

Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN050219\
 Data File : BN005437.D
 Acq On : 03 May 2019 04:13
 Operator : JU/SJ
 Sample : K2603-16 5X
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 GAJ68

Integration Parameters: LSCINT.P

Integrator: RTE
 Smoothing : OFF
 Sampling : 1
 Start Thrs: 0.2
 Stop Thrs : 0

Filtering: 5
 Min Area: 0.1 % of largest Peak
 Max Peaks: 100
 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
 Peak separation: 5

Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN041919MA.M
 Title : SVOA CALIBRATION

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	5.170	363	371	379	rVB	2852019	4218462	5.12%	0.355%
2	5.652	445	453	463	rVV2	1894520	3236574	3.93%	0.273%
3	6.758	635	641	648	rVV	1877785	3293619	4.00%	0.277%
4	7.252	716	725	733	rVB3	5725656	12168661	14.76%	1.025%
5	7.587	774	782	788	rBV2	1678276	3146275	3.82%	0.265%
6	8.122	862	873	880	rBV	9460247	16314952	19.79%	1.374%
7	8.681	960	968	974	rBV2	1851034	3633150	4.41%	0.306%
8	8.816	986	991	995	rBV	5462003	7834851	9.50%	0.660%
9	9.263	1063	1067	1075	rVV2	1614564	3490909	4.23%	0.294%
10	9.793	1148	1157	1163	rVV4	4837193	14072608	17.07%	1.185%
11	9.863	1163	1169	1173	rVV2	3609707	7101613	8.61%	0.598%
12	9.905	1173	1176	1182	rVB3	2394693	3820422	4.63%	0.322%
13	10.063	1197	1203	1208	rBV2	1122011	2385139	2.89%	0.201%
14	10.357	1245	1253	1257	rVV2	12056325	21295881	25.83%	1.793%
15	10.428	1257	1265	1270	rVV2	28947257	64455322	78.19%	5.427%
16	10.534	1278	1283	1288	rVB2	4536693	6686024	8.11%	0.563%
17	11.063	1370	1373	1377	rVB2	2020345	2770248	3.36%	0.233%
18	11.204	1393	1397	1403	rVB5	1645463	2776112	3.37%	0.234%
19	11.293	1404	1412	1417	rVB4	2499209	5349607	6.49%	0.450%
20	11.399	1417	1430	1435	rBV	6255369	13690403	16.61%	1.153%
21	11.552	1451	1456	1465	rVB2	2494335	4873827	5.91%	0.410%
22	11.816	1493	1501	1507	rBV	14912770	24084680	29.22%	2.028%
23	12.057	1530	1542	1547	rVB2	34649490	82434056	100.00%	6.941%
24	12.269	1570	1578	1585	rVB	24835367	47809966	58.00%	4.026%
25	12.499	1612	1617	1623	rVB4	3195926	6331485	7.68%	0.533%
26	12.557	1624	1627	1635	rVB4	1515113	2575057	3.12%	0.217%
27	12.634	1635	1640	1650	rVB	2920503	5275131	6.40%	0.444%
28	12.722	1650	1655	1660	rBV4	2237934	4185111	5.08%	0.352%
29	12.781	1660	1665	1669	rBV	6212490	8528525	10.35%	0.718%
30	13.081	1705	1716	1726	rBV2	16636443	37643084	45.66%	3.170%
31	13.163	1726	1730	1734	rVV2	1654952	2295242	2.78%	0.193%
32	13.263	1739	1747	1762	rVB	11372096	26152259	31.73%	2.202%
33	13.563	1791	1798	1803	rVV	17488021	36078925	43.77%	3.038%
34	13.616	1803	1807	1811	rVV	12795870	18906744	22.94%	1.592%

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35	13.687	1815	1819	1823	rVV	4357505	7139047	8.66%	0.601%
36	13.740	1823	1828	1831	rVB3	7096766	10687279	12.96%	0.900%
37	13.798	1831	1838	1841	rBV2	8880901	16780627	20.36%	1.413%
38	13.957	1860	1865	1871	rVB	16796045	27418541	33.26%	2.309%
39	14.163	1894	1900	1904	rBV	19633124	27215677	33.02%	2.292%
40	14.222	1904	1910	1917	rVV3	6637339	15470337	18.77%	1.303%
41	14.293	1918	1922	1925	rVV2	3399249	5644824	6.85%	0.475%
42	14.328	1925	1928	1932	rVB2	2508469	3399724	4.12%	0.286%
43	14.445	1943	1948	1959	rVB	4957381	12523003	15.19%	1.054%
44	14.640	1971	1981	1988	rBV3	6806436	19812518	24.03%	1.668%
45	14.722	1990	1995	1998	rVB	6698010	9021801	10.94%	0.760%
46	14.781	2001	2005	2010	rVB	6743627	9209278	11.17%	0.775%
47	14.851	2011	2017	2023	rBV3	7005076	15143343	18.37%	1.275%
48	14.916	2024	2028	2031	rVB	5016032	6385813	7.75%	0.538%
49	15.016	2040	2045	2046	rBV	3477594	4924014	5.97%	0.415%
50	15.116	2057	2062	2066	rVB2	16609612	23495563	28.50%	1.978%
51	15.293	2087	2092	2097	rBV	12437885	21615658	26.22%	1.820%
52	15.410	2109	2112	2116	rVB4	2233405	2725923	3.31%	0.230%
53	15.522	2123	2131	2136	rVB2	9605278	19102709	23.17%	1.609%
54	15.587	2136	2142	2144	rBV4	2202631	4273993	5.18%	0.360%
55	15.675	2153	2157	2159	rBV2	2646432	4220598	5.12%	0.355%
56	15.704	2159	2162	2164	rVV2	2065071	2782006	3.37%	0.234%
57	15.981	2203	2209	2212	rBV2	14433433	24525910	29.75%	2.065%
58	16.010	2212	2214	2218	rVB	11687396	12659777	15.36%	1.066%
59	16.292	2256	2262	2266	rBV	3622352	8623047	10.46%	0.726%
60	16.345	2268	2271	2275	rVV	5602151	8379857	10.17%	0.706%
61	16.387	2275	2278	2283	rVB3	2936106	4174731	5.06%	0.352%
62	16.445	2284	2288	2293	rBV4	2690379	3871183	4.70%	0.326%
63	16.651	2320	2323	2332	rVB2	1839964	2555975	3.10%	0.215%
64	16.775	2340	2344	2347	rBV	11765432	15718071	19.07%	1.324%
65	16.828	2347	2353	2363	rVB2	8605395	18385132	22.30%	1.548%
66	16.992	2377	2381	2383	rBV2	2689363	4048565	4.91%	0.341%
67	17.045	2383	2390	2394	rVV2	29221455	54479720	66.09%	4.587%
68	17.092	2394	2398	2400	rVV2	1906144	3470805	4.21%	0.292%
69	17.128	2400	2404	2409	rVV	8568956	12424712	15.07%	1.046%
70	17.192	2410	2415	2419	rVV3	2113201	4249920	5.16%	0.358%
71	17.239	2419	2423	2429	rVV3	2141855	4585219	5.56%	0.386%

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72	17.310	2432	2435	2439	rVB	2131170	2593787	3.15%	0.218%
73	17.434	2452	2456	2462	rVB	2810078	4217173	5.12%	0.355%
74	17.516	2465	2470	2474	rVB	11475105	13744905	16.67%	1.157%
75	17.569	2476	2479	2484	rBV2	1839819	2642486	3.21%	0.223%
76	17.710	2500	2503	2509	rVB3	1541256	2696685	3.27%	0.227%
77	17.869	2525	2530	2534	rVV	9808679	14174442	17.19%	1.194%
78	17.922	2534	2539	2543	rVB	10289364	14919120	18.10%	1.256%
79	17.998	2548	2552	2557	rVV2	3697317	7036957	8.54%	0.593%
80	18.057	2557	2562	2567	rVV2	9531424	18881801	22.91%	1.590%
81	18.104	2567	2570	2576	rVB	6837527	8940875	10.85%	0.753%
82	18.210	2583	2588	2594	rBV	8966709	11193502	13.58%	0.943%
83	18.375	2611	2616	2623	rBV	3785343	5663831	6.87%	0.477%
84	18.675	2663	2667	2671	rVB	3362061	4265867	5.17%	0.359%
85	18.798	2683	2688	2692	rBV3	4381490	7274384	8.82%	0.613%
86	18.851	2692	2697	2701	rVV2	9341171	12470513	15.13%	1.050%
87	19.063	2728	2733	2740	rVB	9452171	12666349	15.37%	1.067%
88	19.216	2755	2759	2764	rVB	3351886	4500098	5.46%	0.379%
89	19.433	2787	2796	2804	rBV2	16147256	25177784	30.54%	2.120%
90	19.757	2847	2851	2861	rVB4	1859194	4449266	5.40%	0.375%
91	19.928	2878	2880	2884	rVB	3024720	3541162	4.30%	0.298%
92	19.975	2885	2888	2893	rVV	4725788	5203138	6.31%	0.438%
93	20.033	2894	2898	2903	rVB	2896903	3814281	4.63%	0.321%
94	20.275	2936	2939	2949	rVB2	2163203	3991515	4.84%	0.336%
95	20.480	2970	2974	2979	rBV	3367238	3823574	4.64%	0.322%
96	21.204	3092	3097	3102	rBV3	5738771	11658865	14.14%	0.982%
97	21.251	3102	3105	3116	rVB	3688284	5239485	6.36%	0.441%
98	22.774	3357	3364	3380	rVB3	1593206	4831002	5.86%	0.407%
99	23.316	3451	3456	3464	rVB2	1924948	3811280	4.62%	0.321%
100	23.410	3466	3472	3478	rBV	2291808	4103990	4.98%	0.346%

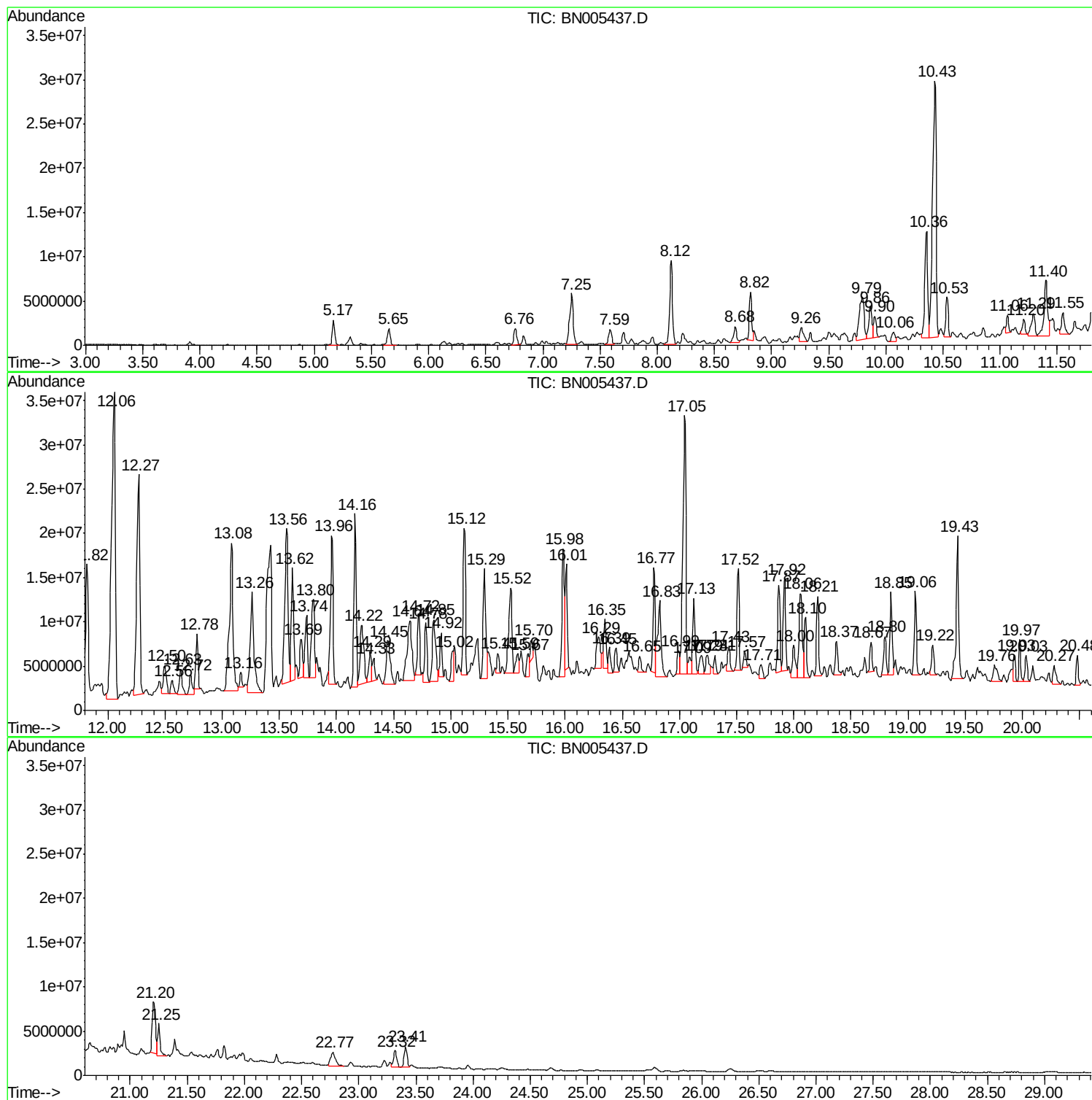
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Instrument :
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN041919MA.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P



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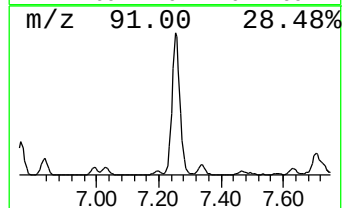
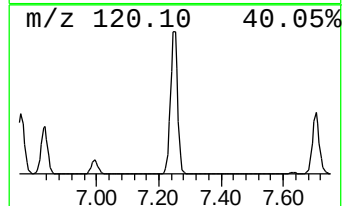
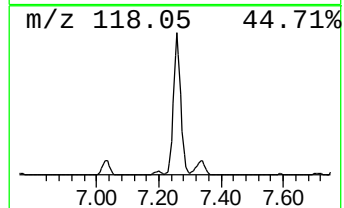
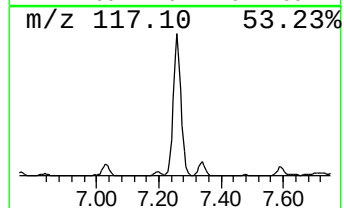
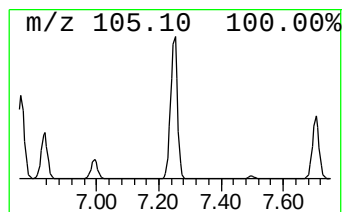
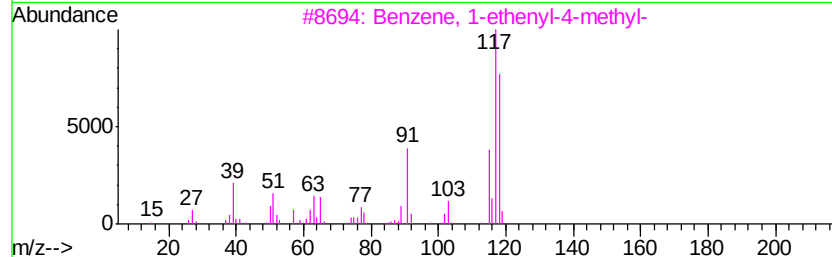
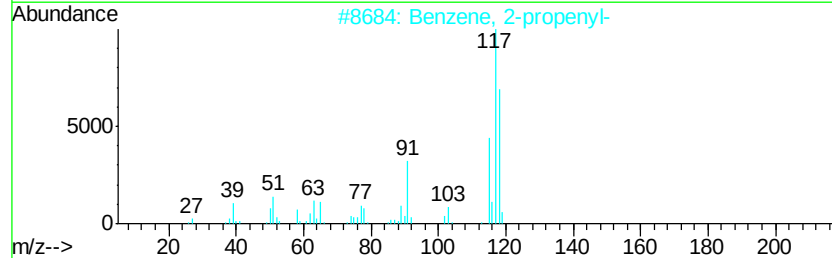
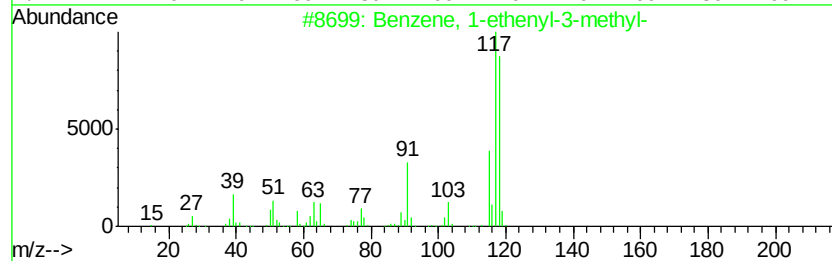
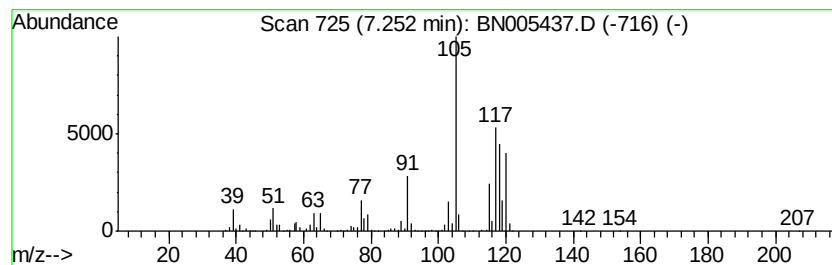
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN041919MA.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 3 Benzene, 1-ethenyl-3-methyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.25	77.35 ng/ul	12168700	1,4-Dichlorobenzene-d4	7.59

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, 1-ethenyl-3-methyl-	118	C9H10	000100-80-1	50
2		Benzene, 2-propenyl-	118	C9H10	000300-57-2	46
3		Benzene, 1-ethenyl-4-methyl-	118	C9H10	000622-97-9	46
4		Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	46
5		Benzene, 2-propenyl-	118	C9H10	000300-57-2	46



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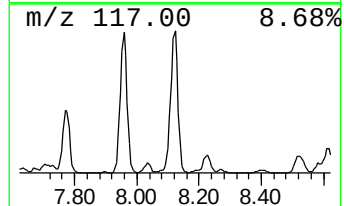
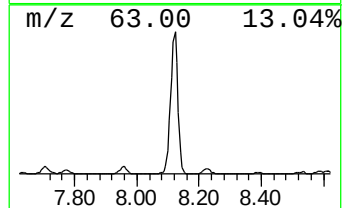
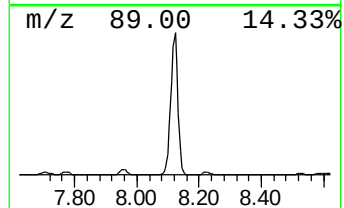
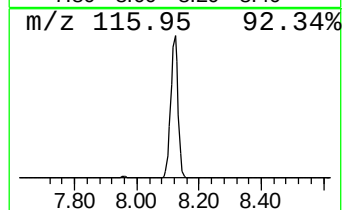
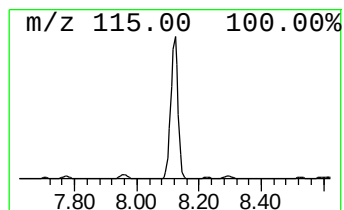
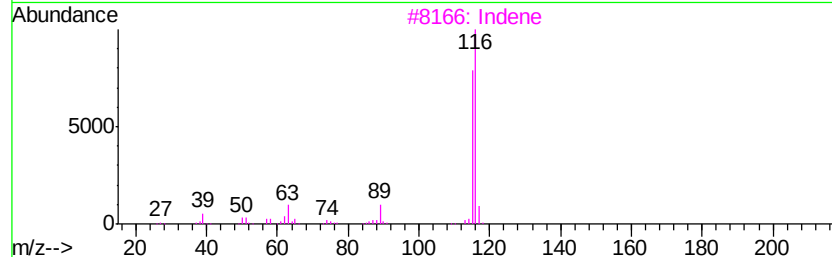
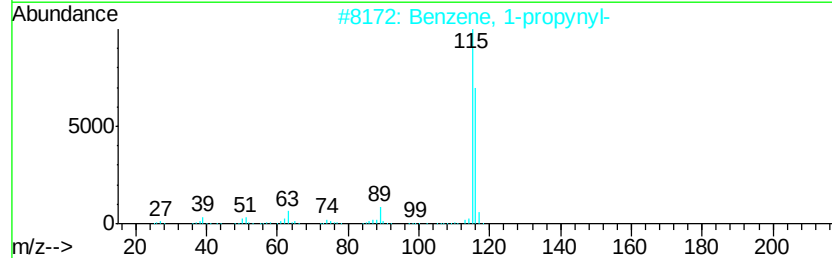
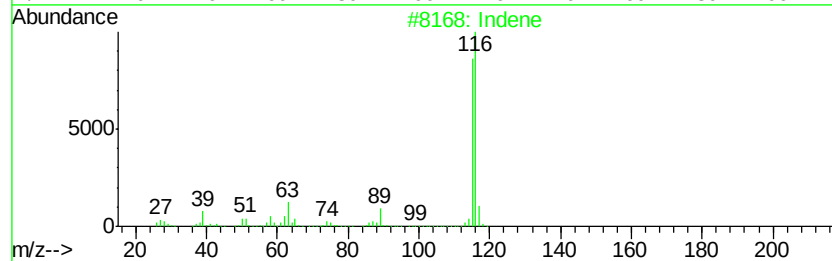
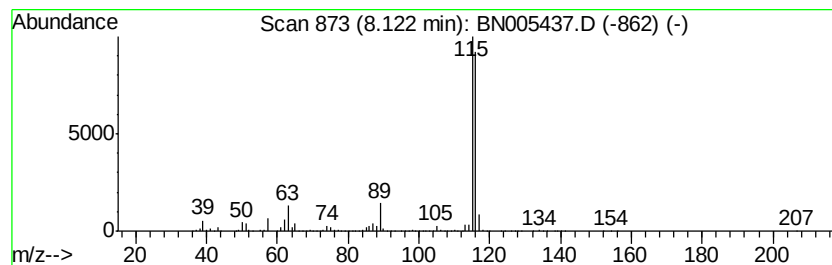
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN041919MA.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 4 Indene Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.12	103.71 ng/ul	16315000	1,4-Dichlorobenzene-d4	7.59

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Indene	116	C9H8	000095-13-6	95
2		Benzene, 1-propynyl-	116	C9H8	000673-32-5	95
3		Indene	116	C9H8	000095-13-6	94
4		Benzene, 1-propynyl-	116	C9H8	000673-32-5	91
5		Benzene, 1,2-propadienyl-	116	C9H8	002327-99-3	91



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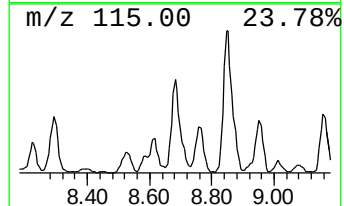
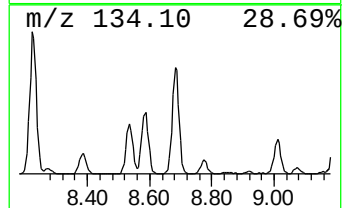
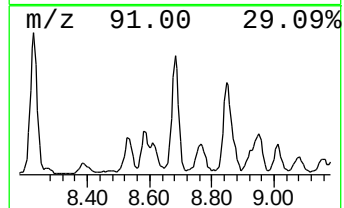
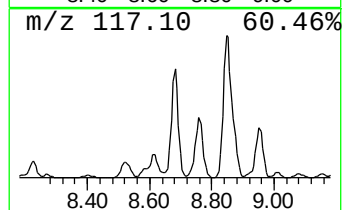
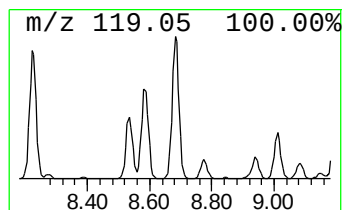
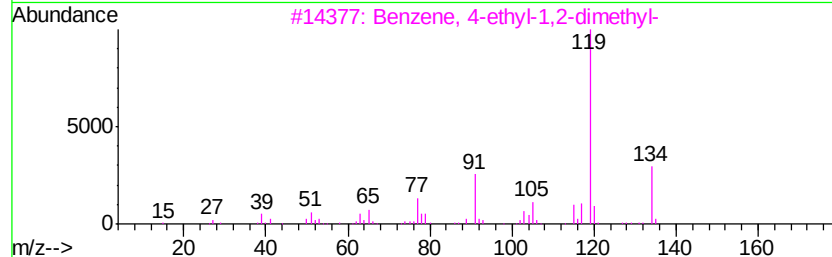
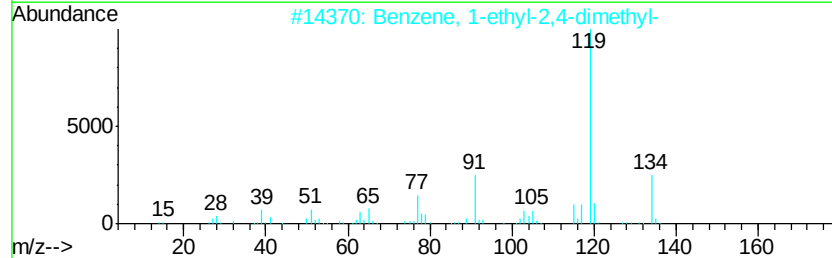
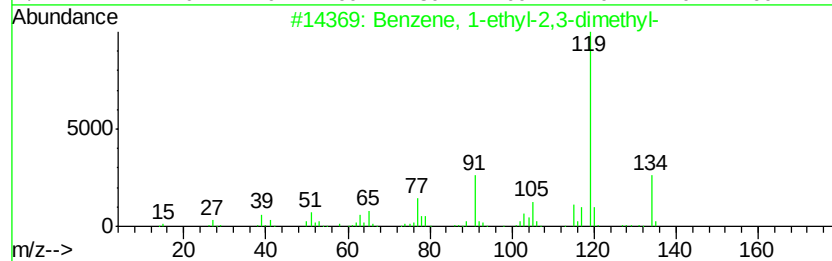
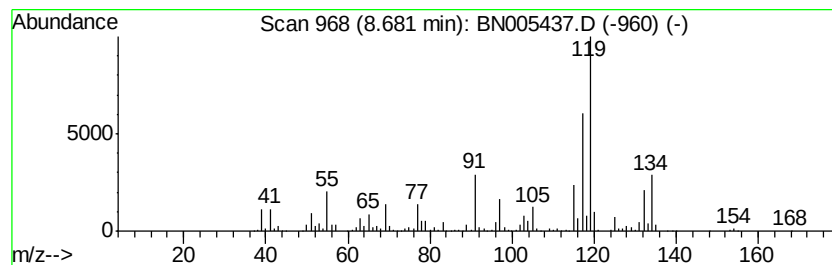
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN041919MA.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 5 Benzene, 1-ethyl-2,3-dimethyl- Concentration Rank 27

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.68	23.09 ng/ul	3633150	1,4-Dichlorobenzene-d4	7.59

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	60
2		Benzene, 1-ethyl-2,4-dimethyl-	134	C10H14	000874-41-9	55
3		Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	55
4		Benzene, 2-ethyl-1,3-dimethyl-	134	C10H14	002870-04-4	55
5		Benzene, 2-ethyl-1,3-dimethyl-	134	C10H14	002870-04-4	55



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Data File : BN005437.D
Acq On : 03 May 2019 04:13
Operator : JU/SJ
Sample : K2603-16 5X
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
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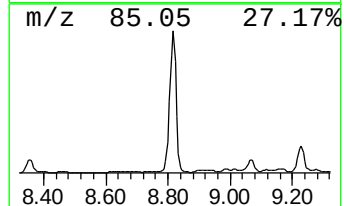
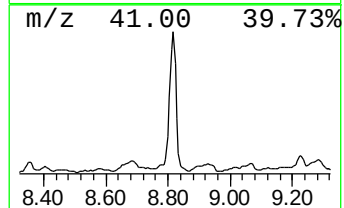
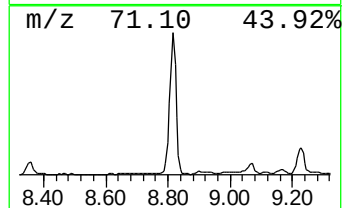
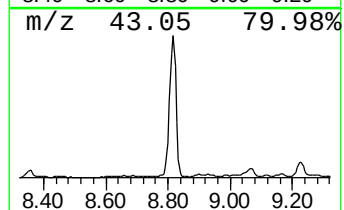
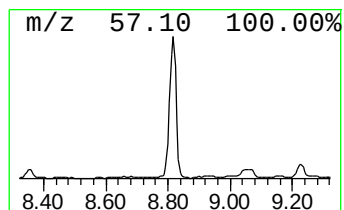
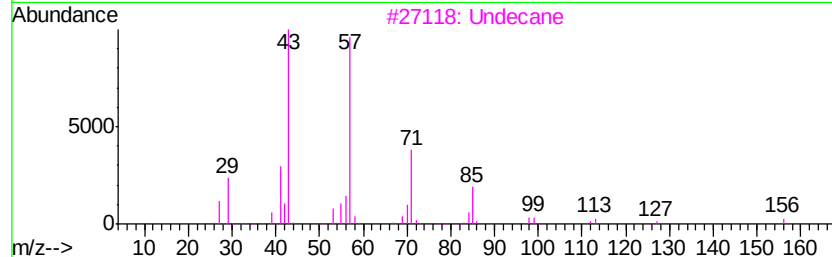
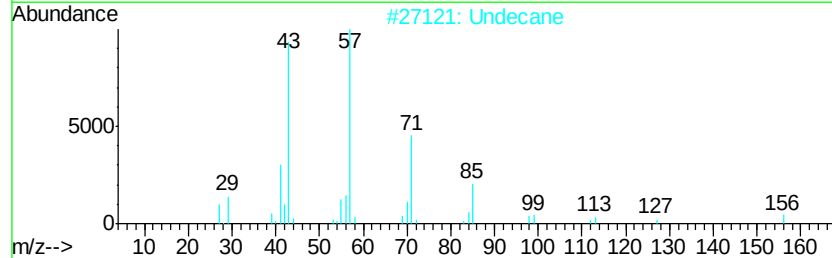
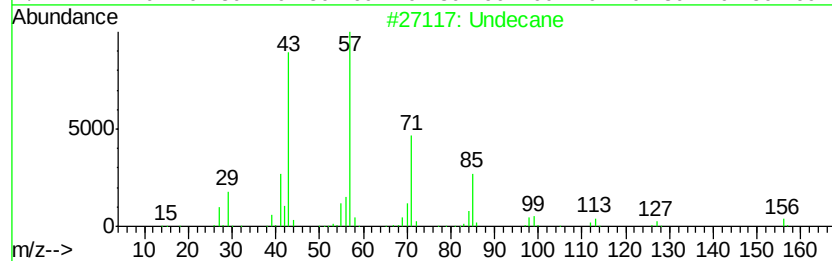
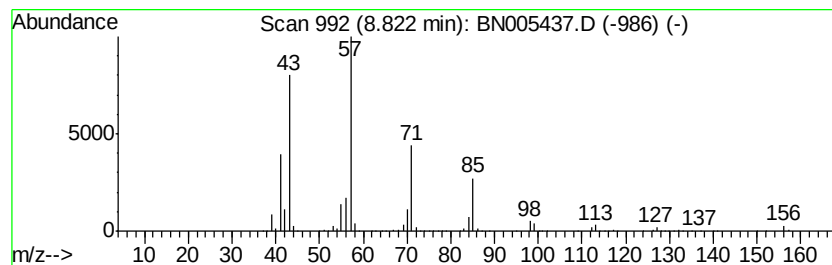
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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 6 (DEL) Alkane: Straight-Chai... Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.82	49.80 ng/ul	7834850	1,4-Dichlorobenzene-d4	7.59

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Undecane	156	C11H24	001120-21-4	95
2		Undecane	156	C11H24	001120-21-4	94
3		Undecane	156	C11H24	001120-21-4	91
4		Hexadecane	226	C16H34	000544-76-3	90
5		Tridecane	184	C13H28	000629-50-5	86



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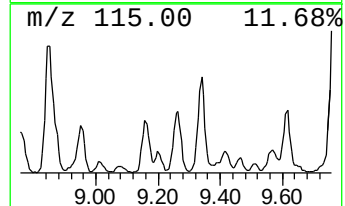
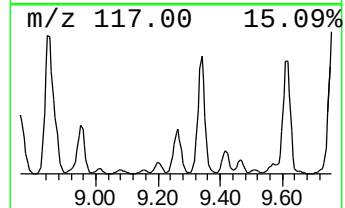
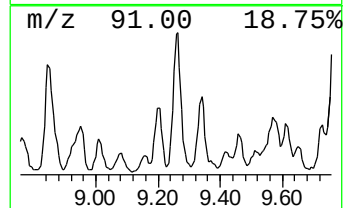
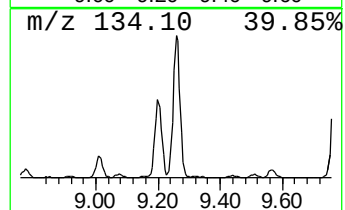
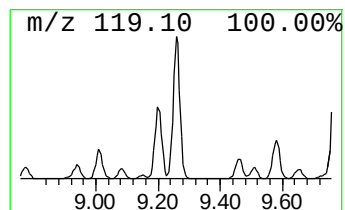
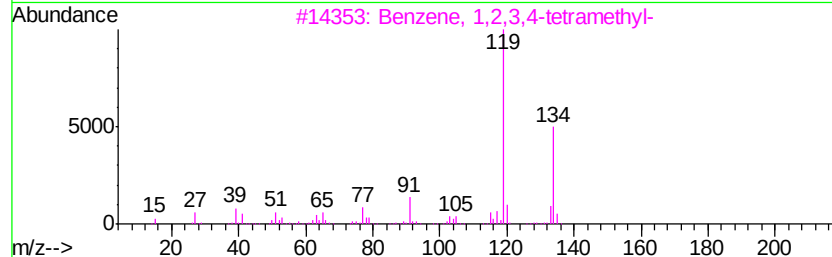
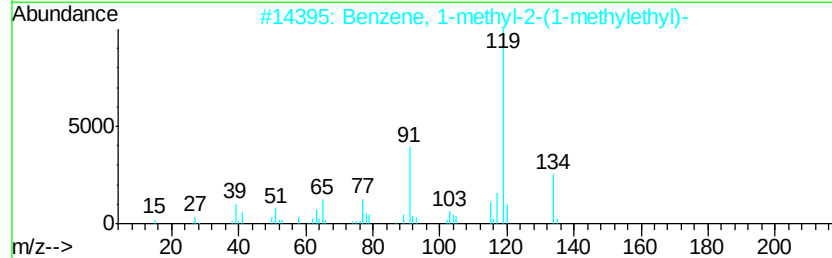
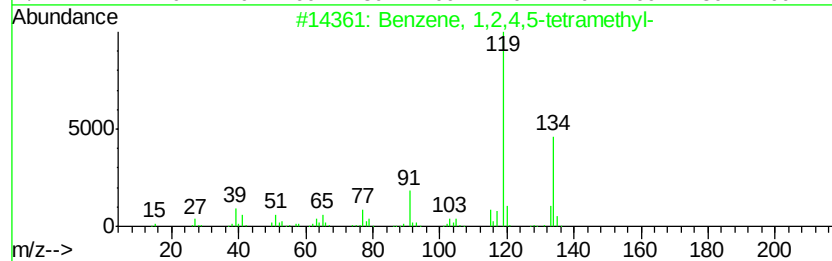
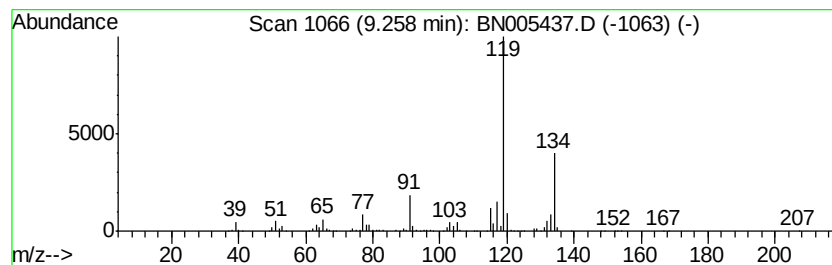
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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 7 Benzene, 1,2,4,5-tetramethyl- Concentration Rank 67

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.26	3.28 ng/ul	3490910	Naphthalene-d8	10.36

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	93
2		Benzene, 1-methyl-2-(1-methyleth...	134	C10H14	000527-84-4	90
3		Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	90
4		Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	90
5		Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	87



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Acq On : 03 May 2019 04:13
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Misc :
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Instrument :
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ClientSampleId :
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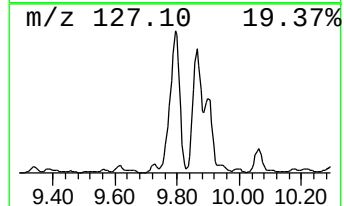
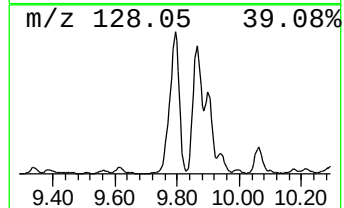
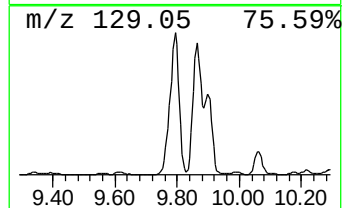
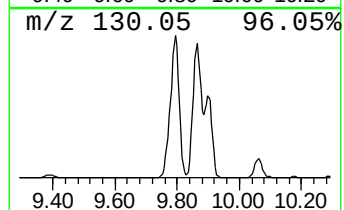
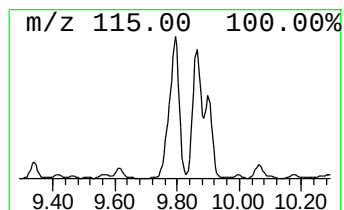
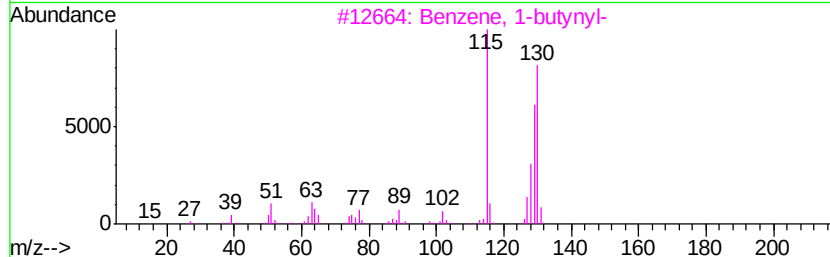
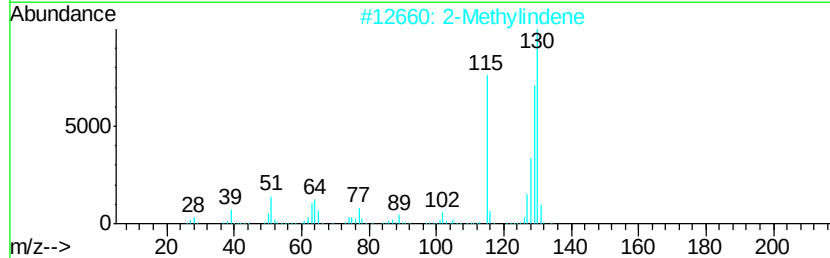
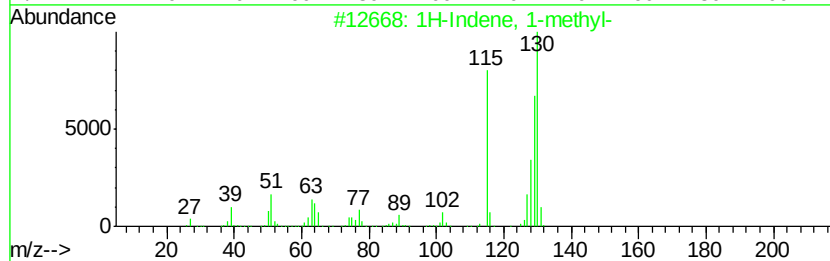
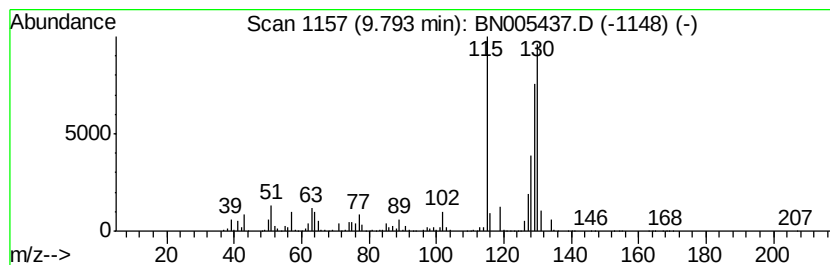
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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 8 1H-Indene, 1-methyl- Concentration Rank 40

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.79	13.22 ng/ul	14072600	Naphthalene-d8	10.36

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	1H-Indene, 1-methyl-	130	C10H10	000767-59-9	95
2		2-Methylindene	130	C10H10	002177-47-1	95
3		Benzene, 1-butynyl-	130	C10H10	000622-76-4	94
4		Benzene,1-methyl-1,2-propadienyl-	130	C10H10	022433-39-2	93
5		1,4-Dihydronaphthalene	130	C10H10	000612-17-9	93



Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN050219\
Data File : BN005437.D
Acq On : 03 May 2019 04:13
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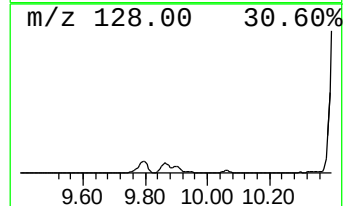
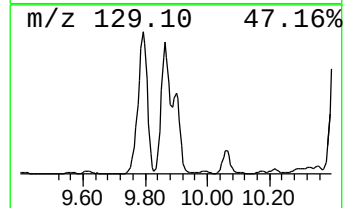
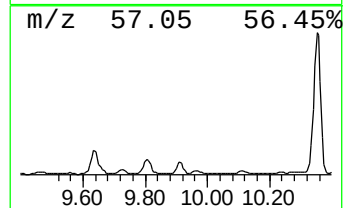
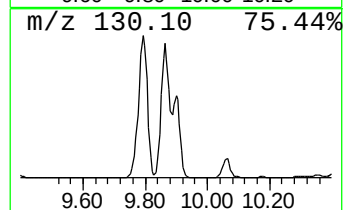
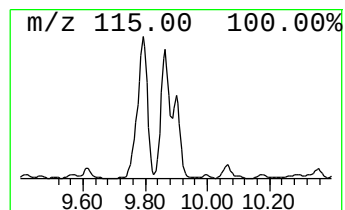
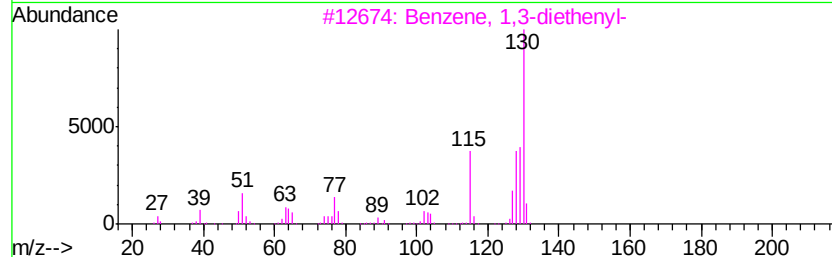
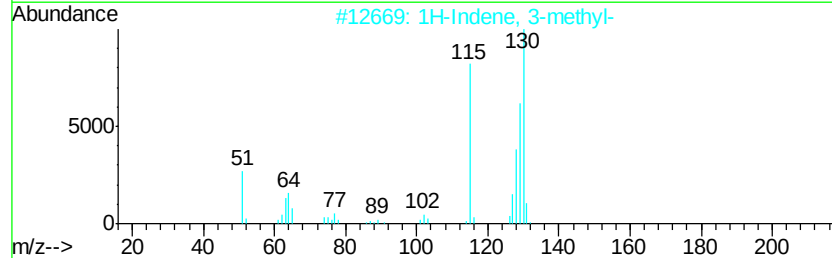
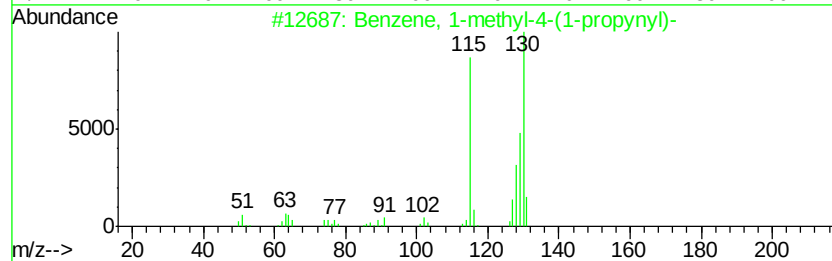
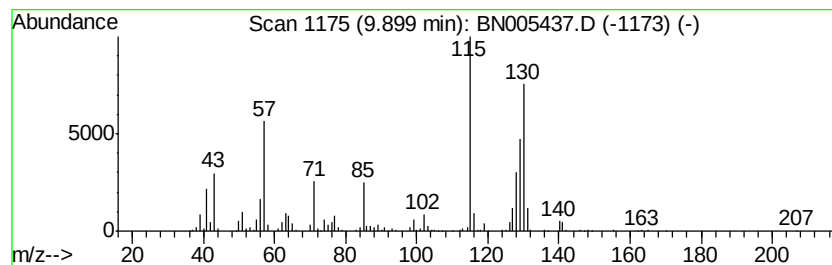
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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 10 Benzene, 1-methyl-4-(1-prop... Concentration Rank 65

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.90	3.59 ng/ul	3820420	Napthalene-d8	10.36

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, 1-methyl-4-(1-propynyl)-	130	C10H10	002749-93-1	89
2		1H-Indene, 3-methyl-	130	C10H10	000767-60-2	38
3		Benzene, 1,3-diethenyl-	130	C10H10	000108-57-6	30
4		1H-Indene, 1-methyl-	130	C10H10	000767-59-9	30
5		Undecane, 3-methyl-	170	C12H26	001002-43-3	30



Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN050219\
Data File : BN005437.D
Acq On : 03 May 2019 04:13
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Sample : K2603-16 5X
Misc :
ALS Vial : 22 Sample Multiplier: 1

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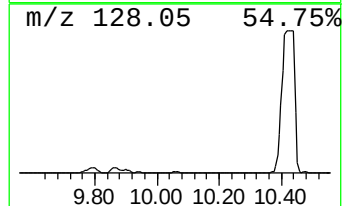
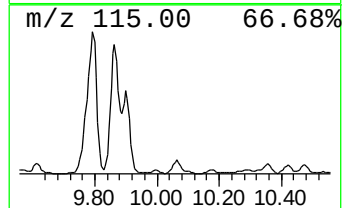
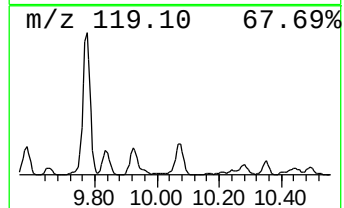
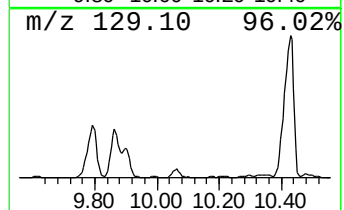
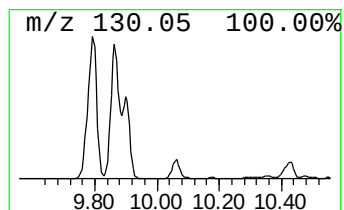
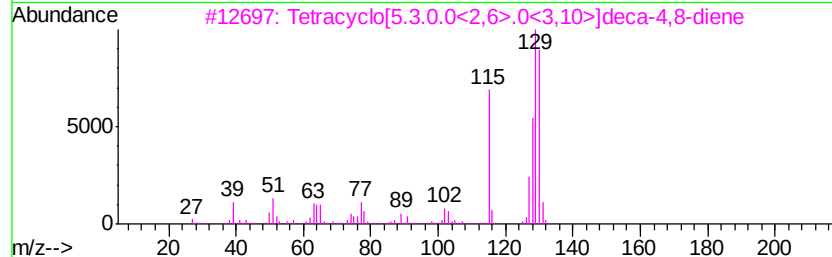
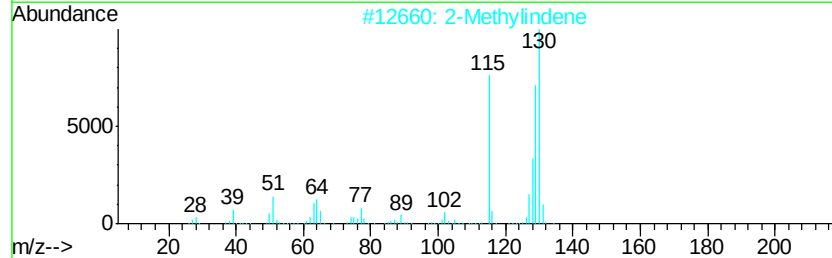
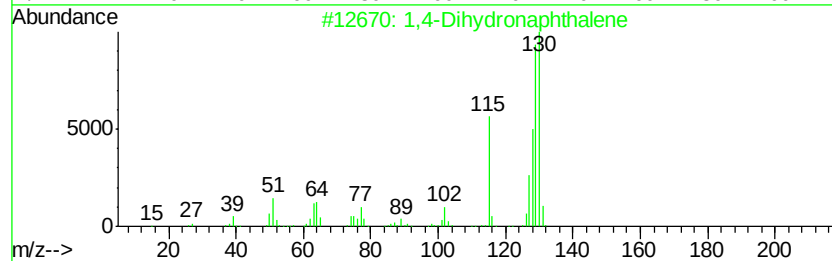
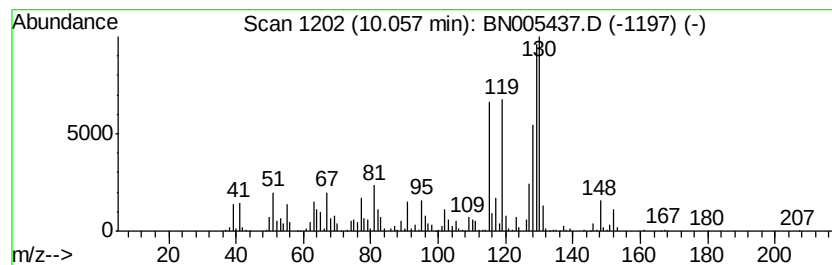
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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 11 1,4-Dihydronaphthalene Concentration Rank 71

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.06	2.24 ng/ul	2385140	Naphthalene-d8	10.36

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	1,4-Dihydronaphthalene	130	C10H10	000612-17-9	95
2		2-Methylindene	130	C10H10	002177-47-1	91
3		Tetracyclo[5.3.0.0<2,6>.0<3,10>]...	130	C10H10	034324-40-8	90
4		Triquinacene	130	C10H10	006053-74-3	90
5		Benzene, 1-cyclobuten-1-yl-	130	C10H10	003365-26-2	70



Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN050219\
Data File : BN005437.D
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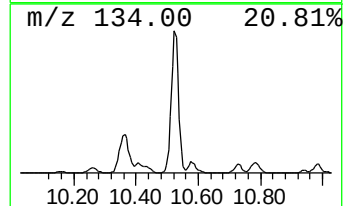
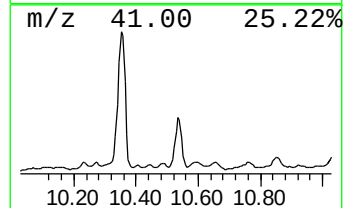
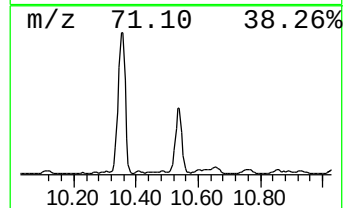
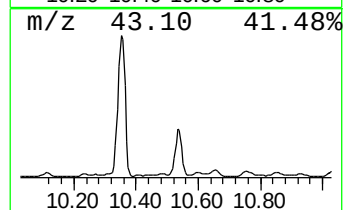
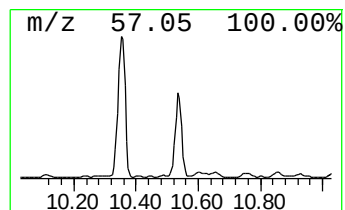
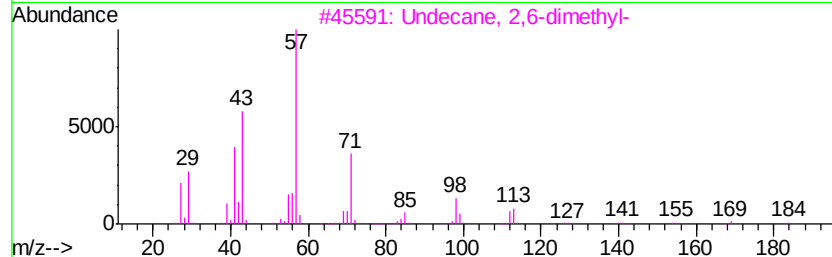
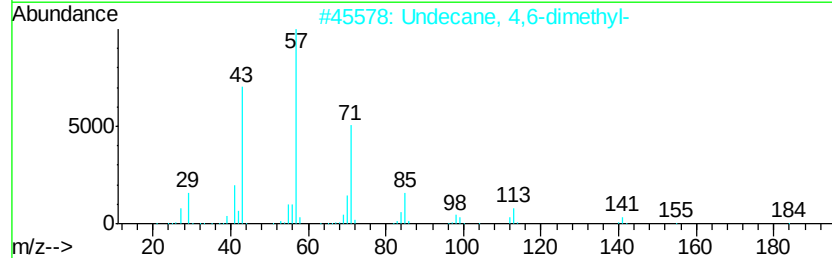
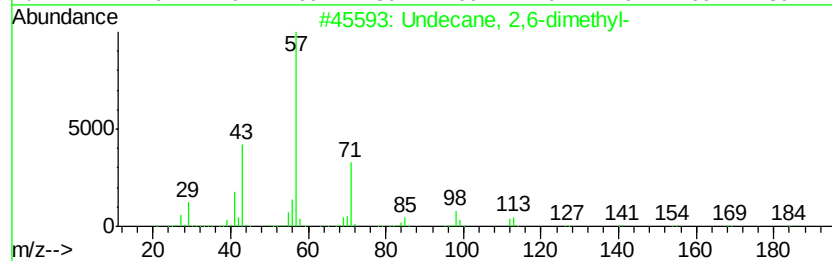
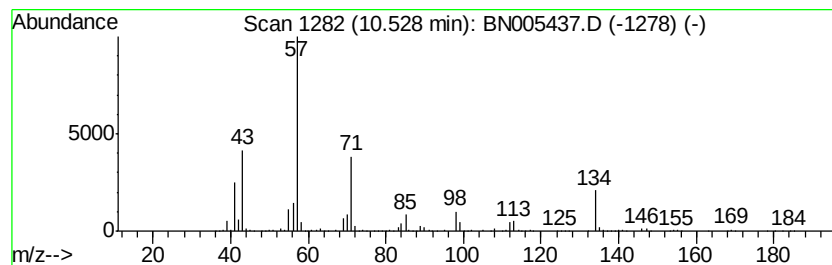
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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 12 (DEL) Alkane: Straight-Chai... Concentration Rank 59

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.53	6.28 ng/ul	6686020	Napthalene-d8	10.36

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	Undecane,	2,6-dimethyl-	184	C13H28	017301-23-4	95	
2	Undecane,	4,6-dimethyl-	184	C13H28	017312-82-2	81	
3	Undecane,	2,6-dimethyl-	184	C13H28	017301-23-4	78	
4	Undecane,	2,6-dimethyl-	184	C13H28	017301-23-4	72	
5	Undecane,	3,5-dimethyl-	184	C13H28	017312-81-1	72	



Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN050219\
Data File : BN005437.D
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Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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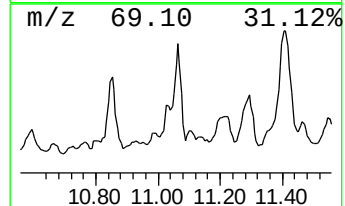
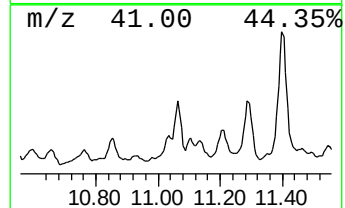
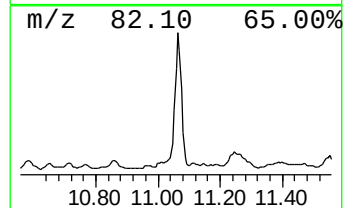
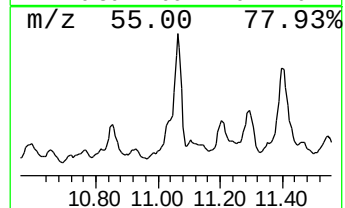
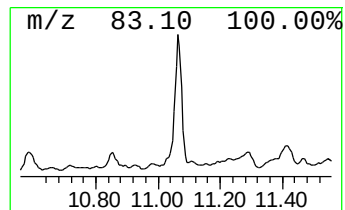
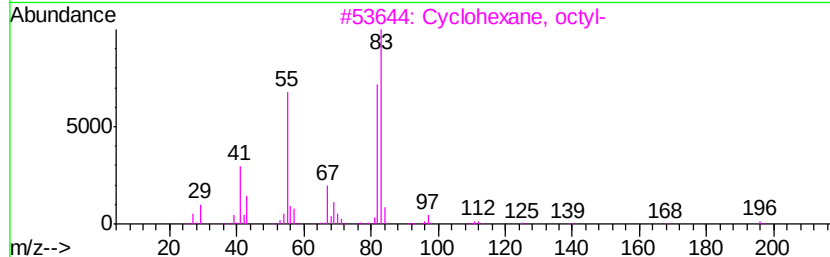
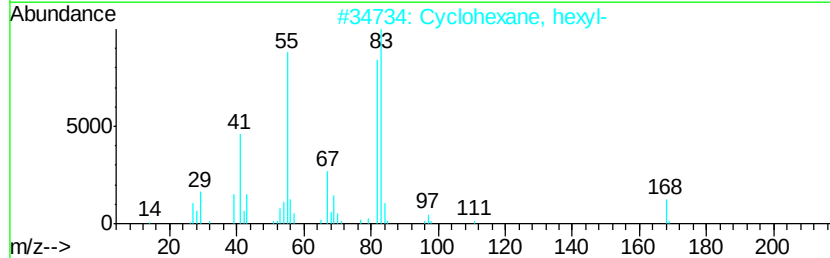
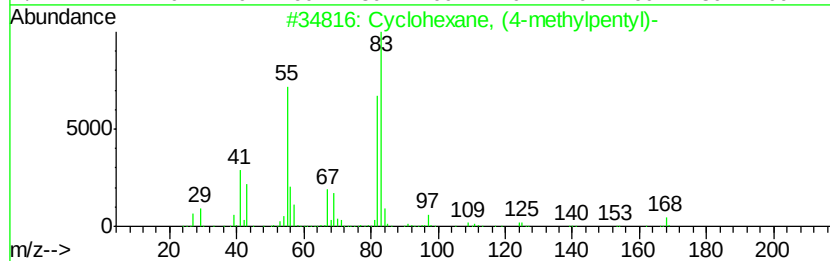
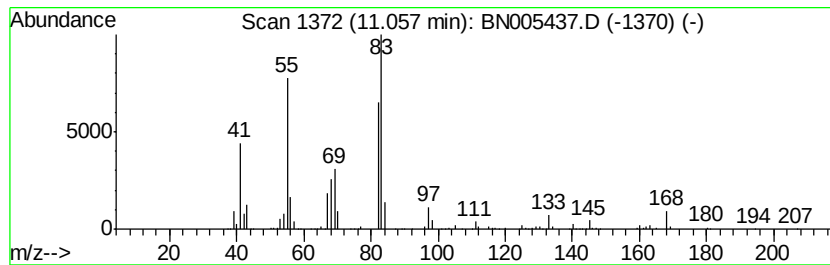
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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 13 (DEL) Alkane: Cyclic11.06 Concentration Rank 70

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.06	2.60 ng/ul	2770250	Napthalene-d8	10.36

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclohexane, (4-methylpentyl)-	168	C12H24	061142-20-9	83
2			Cyclohexane, hexyl-	168	C12H24	004292-75-5	74
3			Cyclohexane, octyl-	196	C14H28	001795-15-9	64
4			Cyclohexane, hexyl-	168	C12H24	004292-75-5	64
5			Cyclohexane, pentyl-	154	C11H22	004292-92-6	59



Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN050219\
Data File : BN005437.D
Acq On : 03 May 2019 04:13
Operator : JU/SJ
Sample : K2603-16 5X
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
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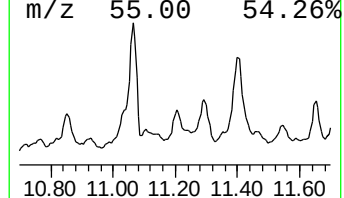
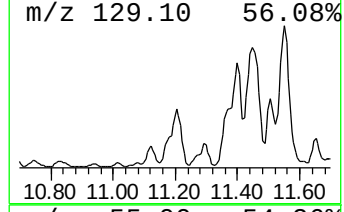
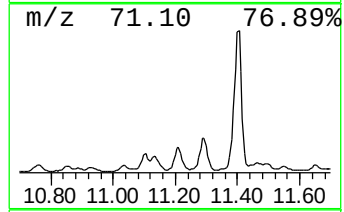
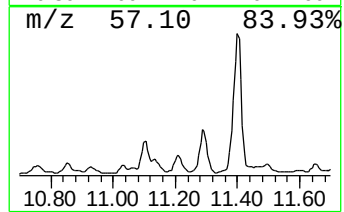
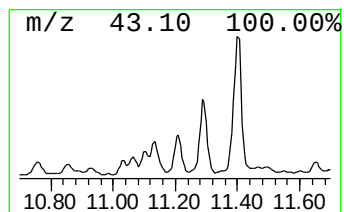
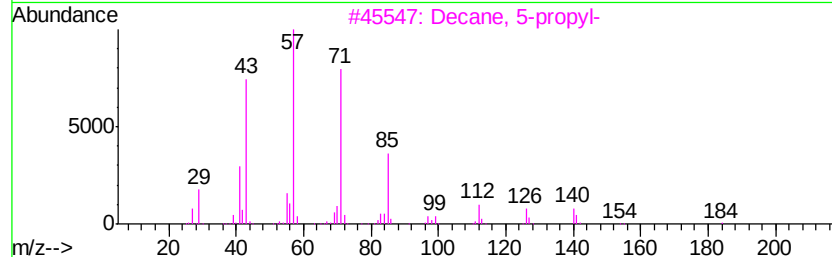
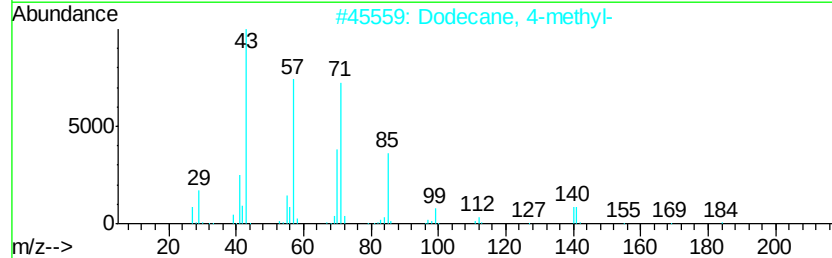
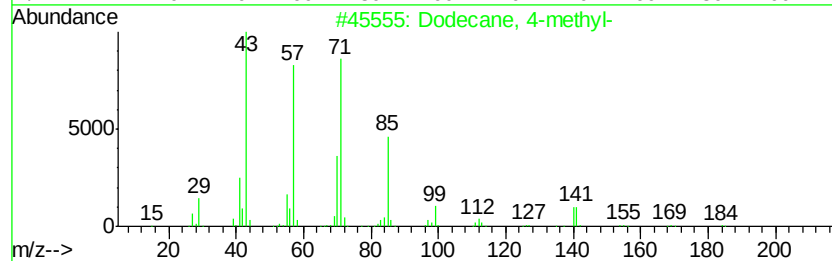
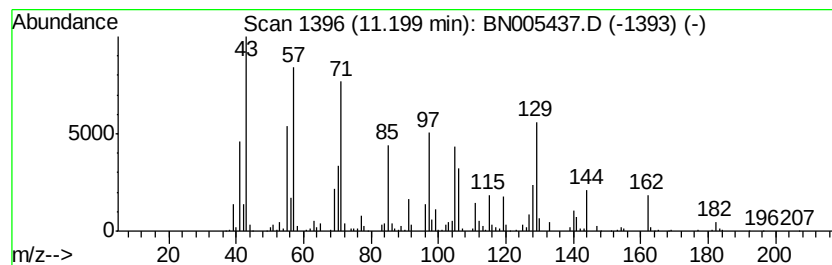
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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 14 (DEL) Alkane: Straight-Chai... Concentration Rank 69

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.20	2.61 ng/ul	2776110	Napthalene-d8	10.36

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Dodecane, 4-methyl-	184	C13H28	006117-97-1	94
2			Dodecane, 4-methyl-	184	C13H28	006117-97-1	89
3			Decane, 5-propyl-	184	C13H28	017312-62-8	45
4			Undecane, 2,3-dimethyl-	184	C13H28	017312-77-5	43
5			Undecane, 4,8-dimethyl-	184	C13H28	017301-33-6	38



Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN050219\
Data File : BN005437.D
Acq On : 03 May 2019 04:13
Operator : JU/SJ
Sample : K2603-16 5X
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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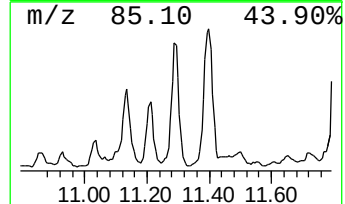
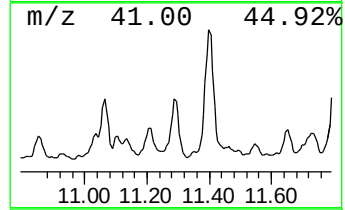
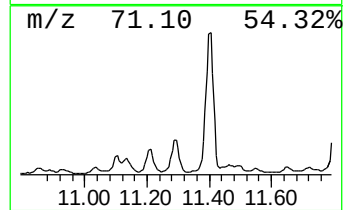
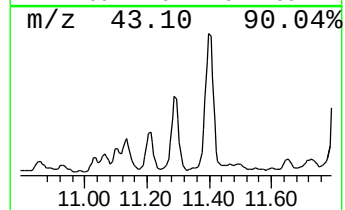
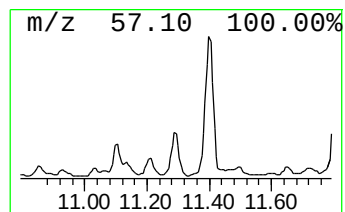
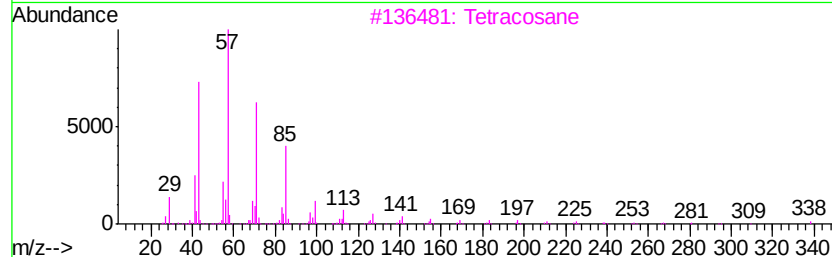
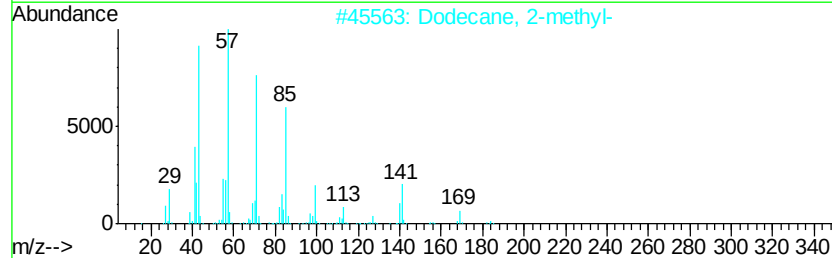
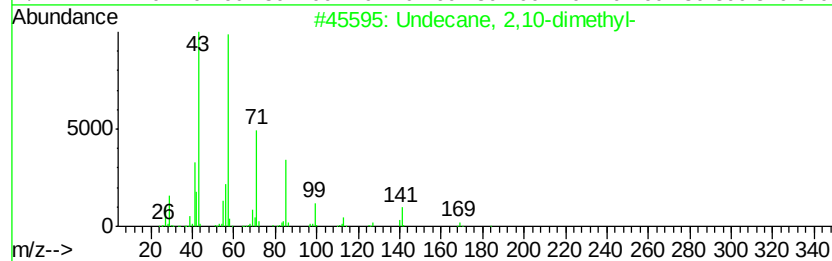
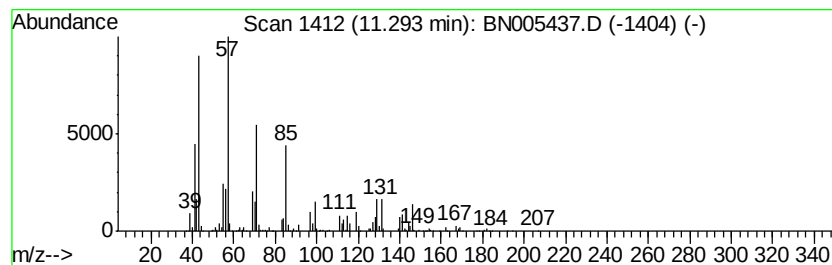
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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 15 (DEL) Alkane: Straight-Chai... Concentration Rank 63

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.29	5.02 ng/ul	5349610	Napthalene-d8	10.36

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Undecane, 2,10-dimethyl-	184	C13H28	017301-27-8	70
2			Dodecane, 2-methyl-	184	C13H28	001560-97-0	64
3			Tetracosane	338	C24H50	000646-31-1	58
4			Tetradecane	198	C14H30	000629-59-4	58
5			Hexadecane	226	C16H34	000544-76-3	58



Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN050219\
Data File : BN005437.D
Acq On : 03 May 2019 04:13
Operator : JU/SJ
Sample : K2603-16 5X
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
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ClientSampled :
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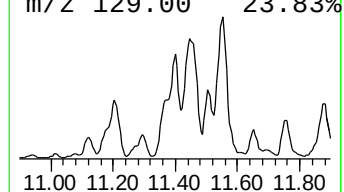
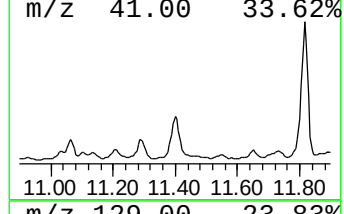
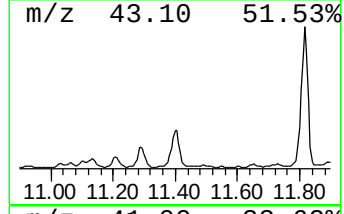
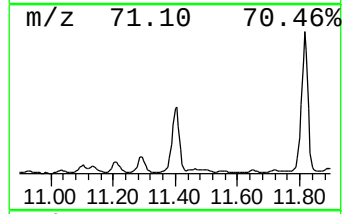
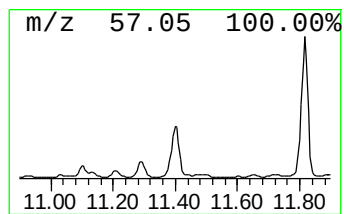
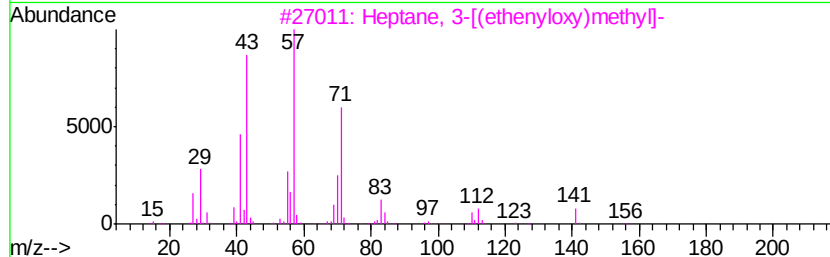
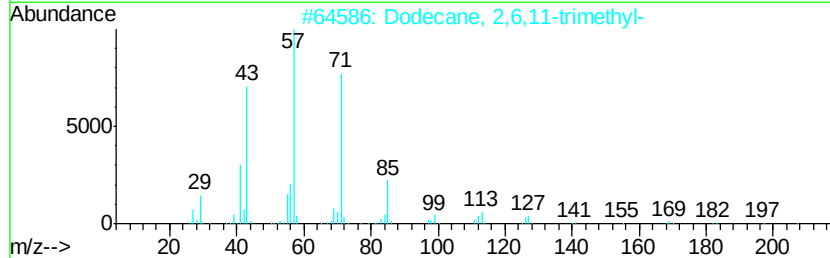
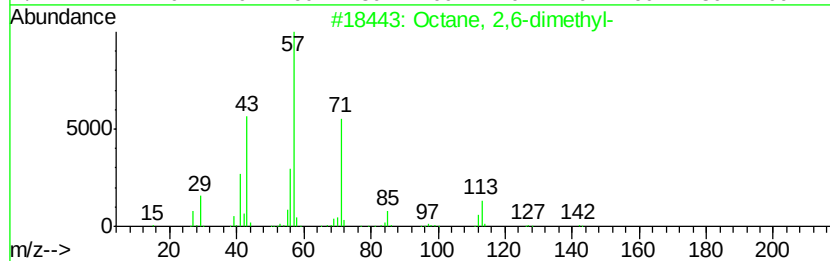
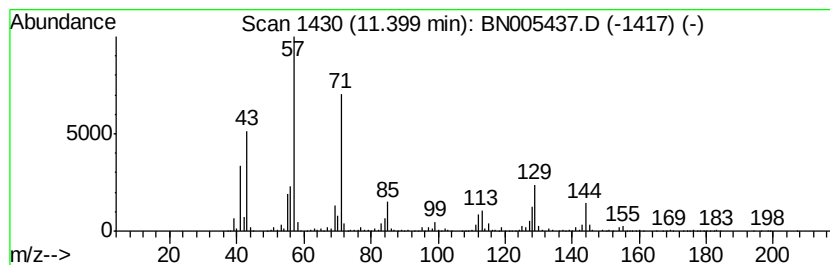
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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 16 (DEL) Alkane: Straight-Chai... Concentration Rank 42

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.40	12.86 ng/ul	13690400	Napthalene-d8	10.36

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Octane, 2,6-dimethyl-	142	C10H22	002051-30-1	49
2		Dodecane, 2,6,11-trimethyl-	212	C15H32	031295-56-4	47
3		Heptane, 3-[(ethenyloxy)methyl]-	156	C10H20O	000103-44-6	46
4		Nonane, 3-methyl-	142	C10H22	005911-04-6	45
5		Dodecane, 4,6-dimethyl-	198	C14H30	061141-72-8	45



Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN050219\
Data File : BN005437.D
Acq On : 03 May 2019 04:13
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Sample : K2603-16 5X
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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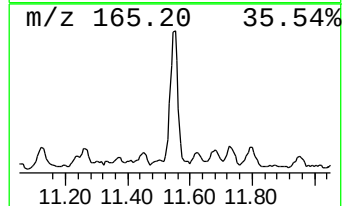
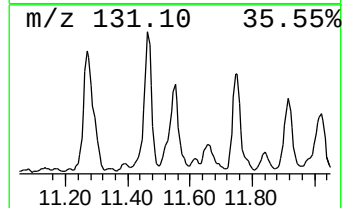
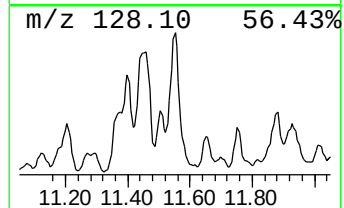
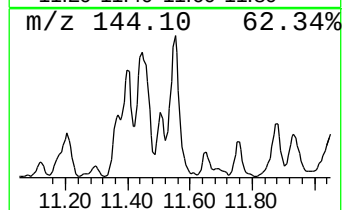
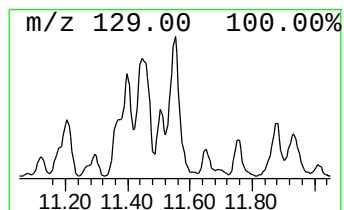
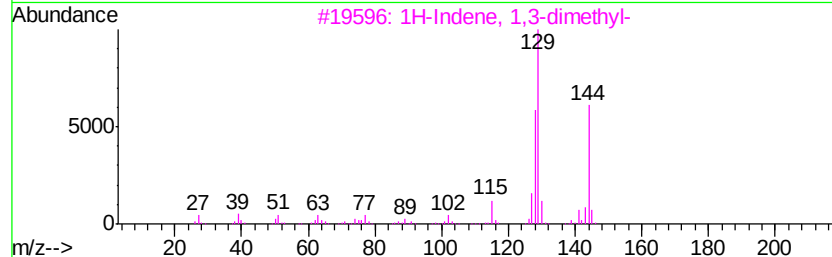
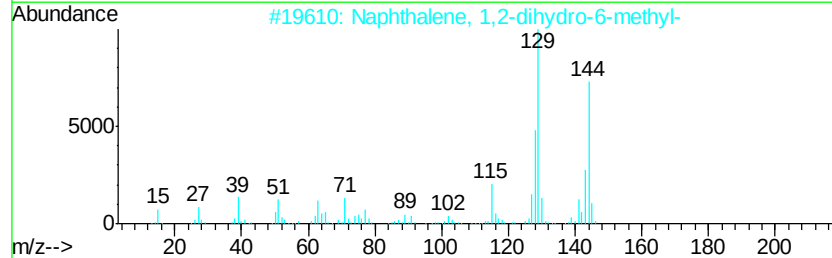
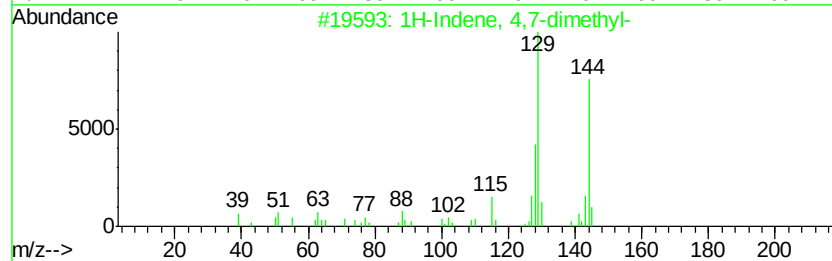
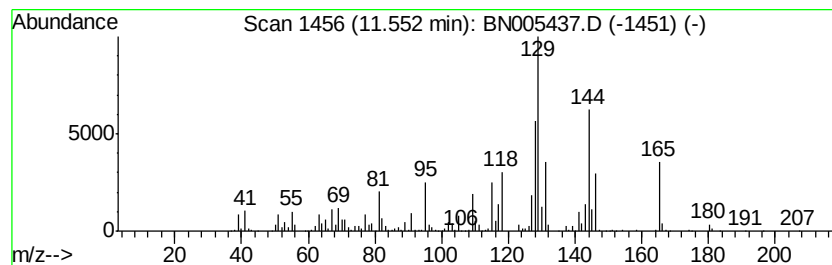
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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 17 1H-Indene, 4,7-dimethyl- Concentration Rank 64

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.55	4.58 ng/ul	4873830	Naphthalene-d8	10.36

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	1H-Indene, 4,7-dimethyl-	144	C11H12	006974-97-6	86
2		Naphthalene, 1,2-dihydro-6-methyl-	144	C11H12	002717-47-7	70
3		1H-Indene, 1,3-dimethyl-	144	C11H12	002177-48-2	70
4		1H-Indene, 2,3-dimethyl-	144	C11H12	004773-82-4	70
5		Naphthalene, 1,2-dihydro-3-methyl-	144	C11H12	002717-44-4	70



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Data File : BN005437.D
Acq On : 03 May 2019 04:13
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Sample : K2603-16 5X
Misc :
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Instrument :
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ClientSampleId :
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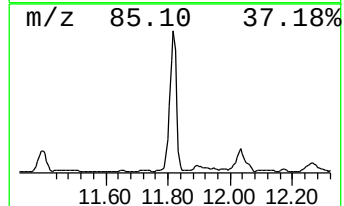
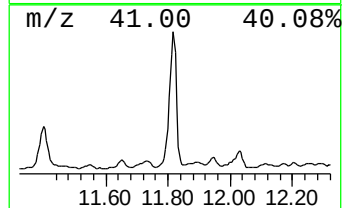
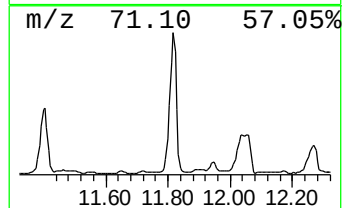
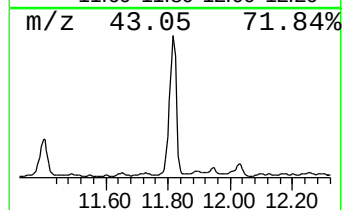
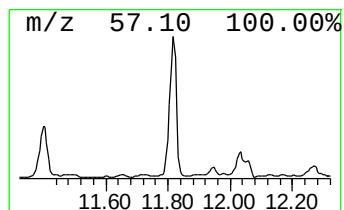
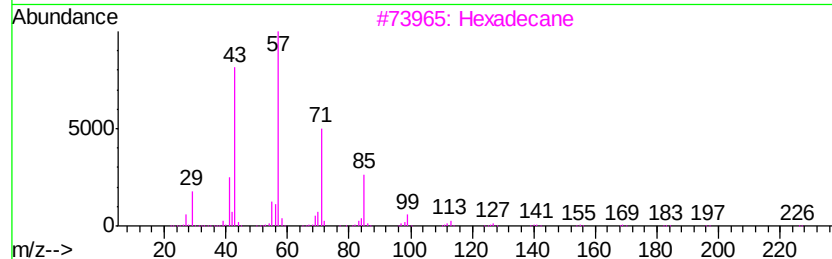
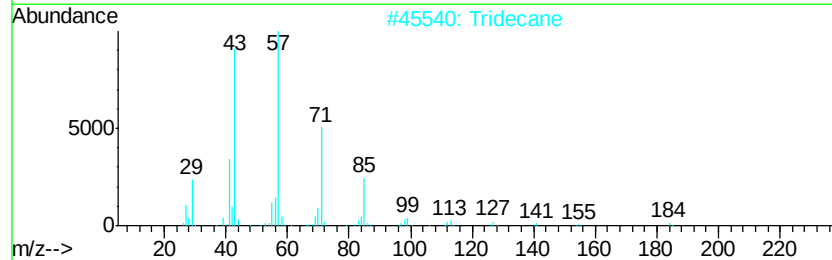
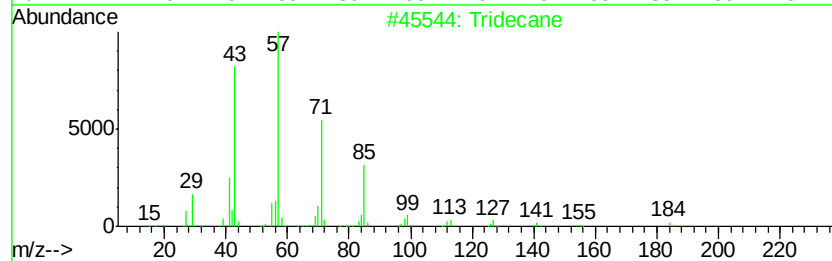
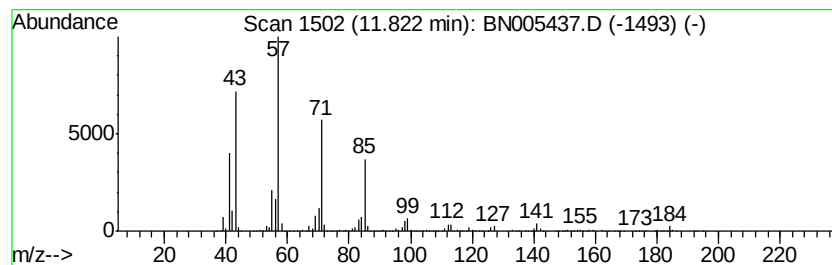
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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 18 (DEL) Alkane: Straight-Chai... Concentration Rank 29

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.82	22.62 ng/ul	24084700	Napthalene-d8	10.36

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Tridecane	184	C13H28	000629-50-5	96
2		Tridecane	184	C13H28	000629-50-5	93
3		Hexadecane	226	C16H34	000544-76-3	90
4		Tetradecane	198	C14H30	000629-59-4	90
5		Pentadecane	212	C15H32	000629-62-9	86



Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN050219\
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Acq On : 03 May 2019 04:13
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Misc :
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ClientSampleId :
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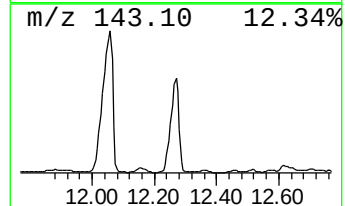
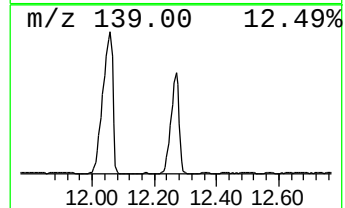
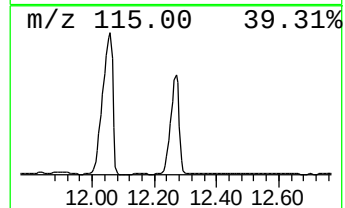
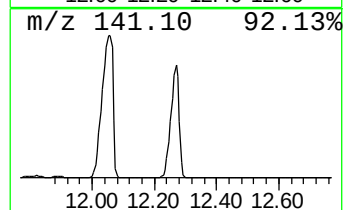
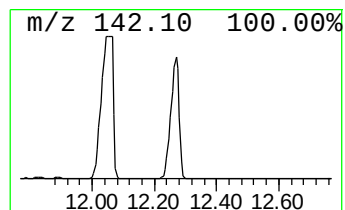
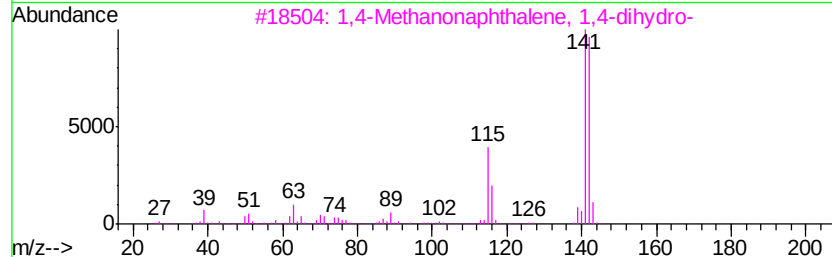
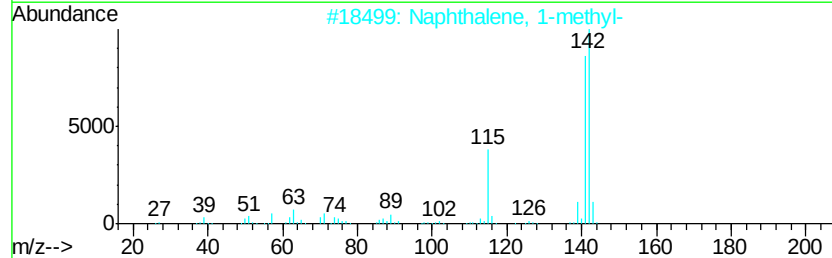
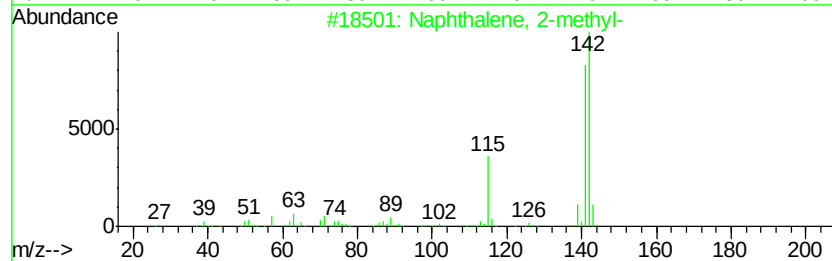
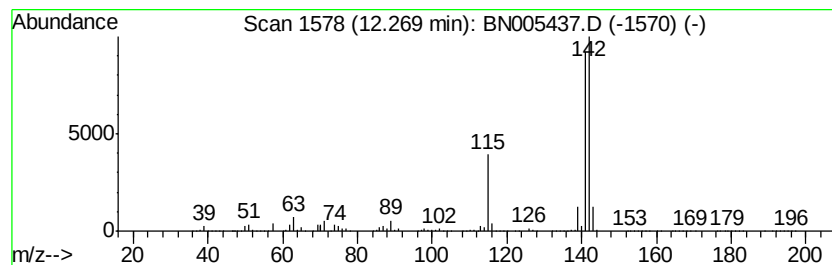
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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 19 Naphthalene, 1-methyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.27	44.90 ng/ul	47810000	Naphthalene-d8	10.36

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphthalene, 2-methyl-	142	C11H10	000091-57-6	96
2		Naphthalene, 1-methyl-	142	C11H10	000090-12-0	96
3		1,4-Methanonaphthalene, 1,4-dihy...	142	C11H10	004453-90-1	94
4		Naphthalene, 1-methyl-	142	C11H10	000090-12-0	94
5		1H-Indene, 1-ethylidene-	142	C11H10	002471-83-2	91



Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN050219\
Data File : BN005437.D
Acq On : 03 May 2019 04:13
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Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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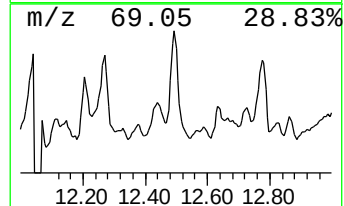
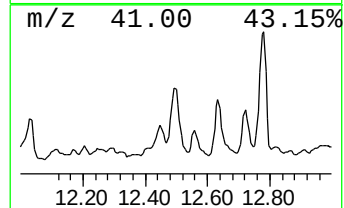
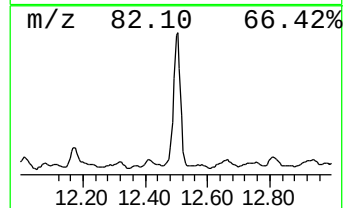
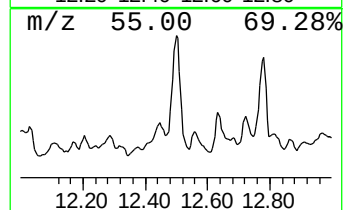
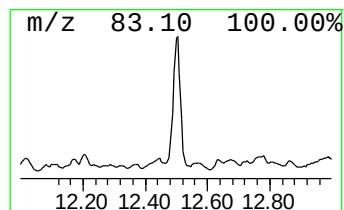
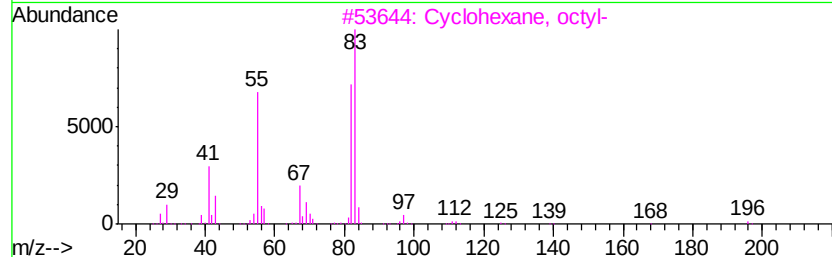
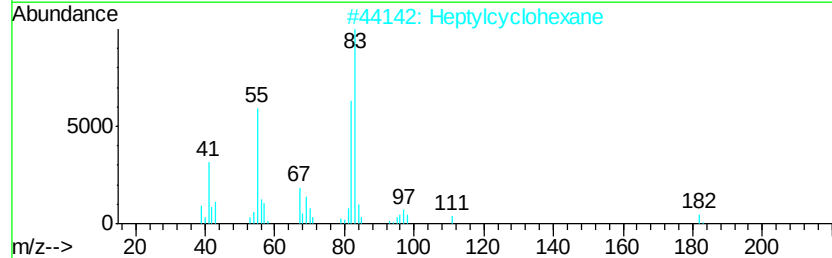
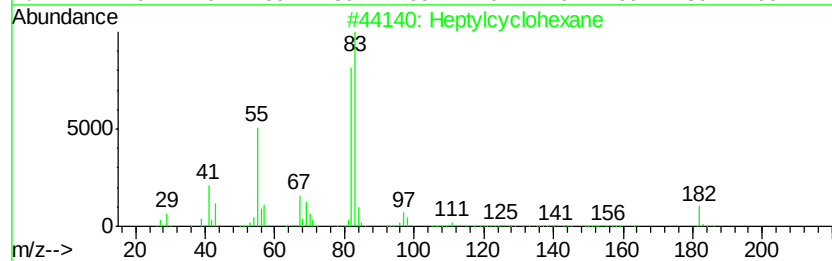
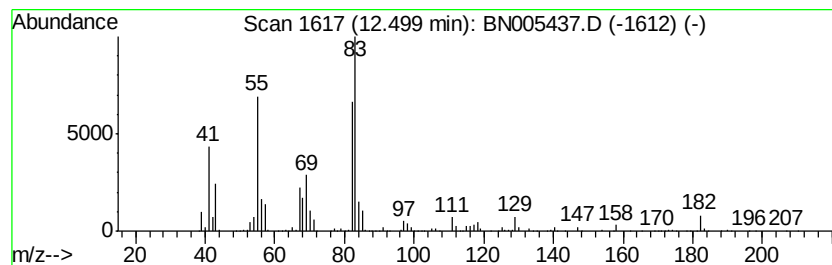
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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 20 (DEL) Alkane: Cyclic12.50 Concentration Rank 50

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.50	8.19 ng/ul	6331490	Acenaphthene-d10	14.23

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Heptylcyclohexane	182	C13H26	005617-41-4	90
2			Heptylcyclohexane	182	C13H26	005617-41-4	83
3			Cyclohexane, octyl-	196	C14H28	001795-15-9	72
4			Cyclohexane, pentyl-	154	C11H22	004292-92-6	64
5			Cyclohexane, (4-methylpentyl)-	168	C12H24	061142-20-9	64



Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN050219\
Data File : BN005437.D
Acq On : 03 May 2019 04:13
Operator : JU/SJ
Sample : K2603-16 5X
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
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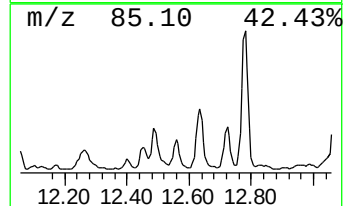
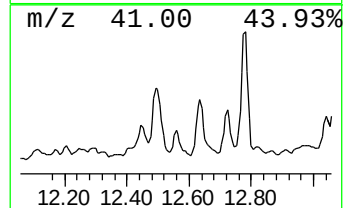
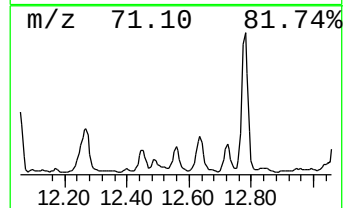
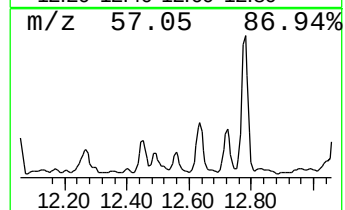
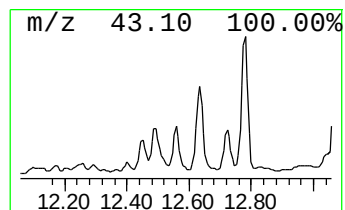
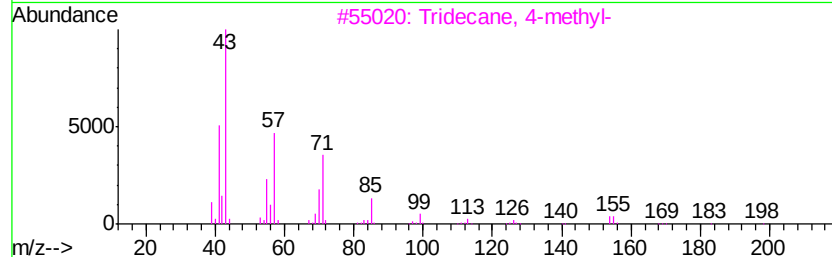
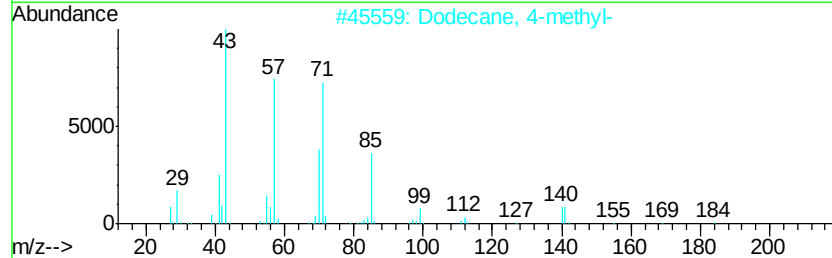
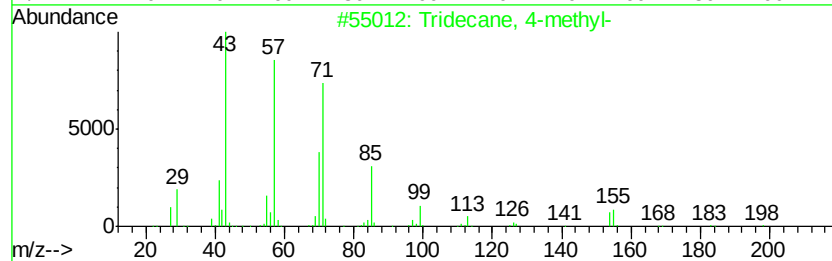
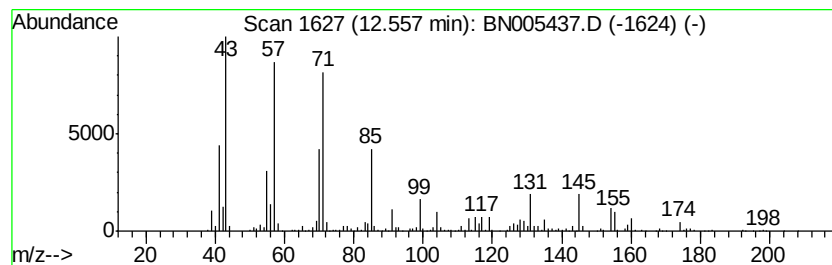
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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 21 (DEL) Alkane: Straight-Chai... Concentration Rank 66

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.56	3.33 ng/ul	2575060	Acenaphthene-d10	14.23

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Tridecane, 4-methyl-	198	C14H30	026730-12-1	95
2			Dodecane, 4-methyl-	184	C13H28	006117-97-1	72
3			Tridecane, 4-methyl-	198	C14H30	026730-12-1	72
4			Nonane, 4,5-dimethyl-	156	C11H24	017302-23-7	64
5			Octane, 5-ethyl-2-methyl-	156	C11H24	062016-18-6	55



Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN050219\
Data File : BN005437.D
Acq On : 03 May 2019 04:13
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Sample : K2603-16 5X
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
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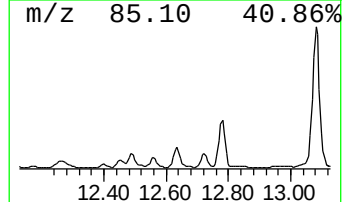
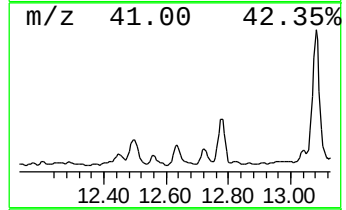
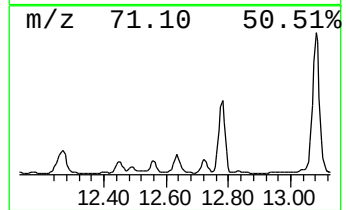
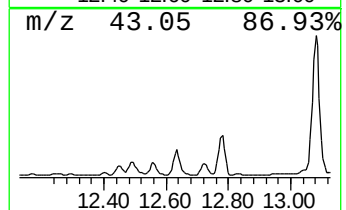
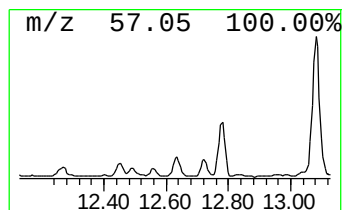
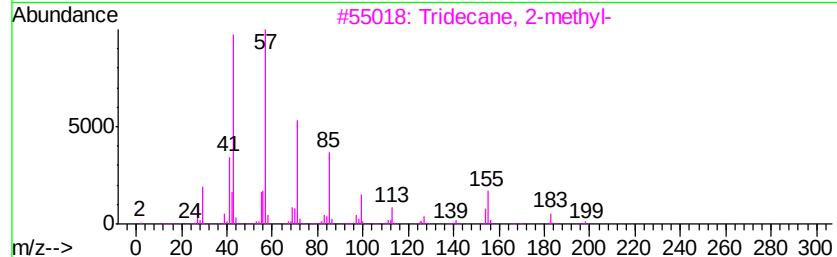
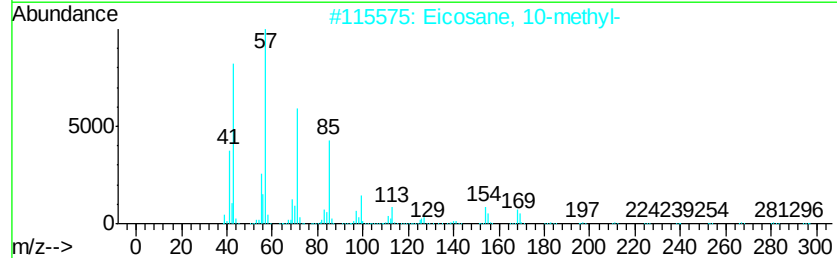
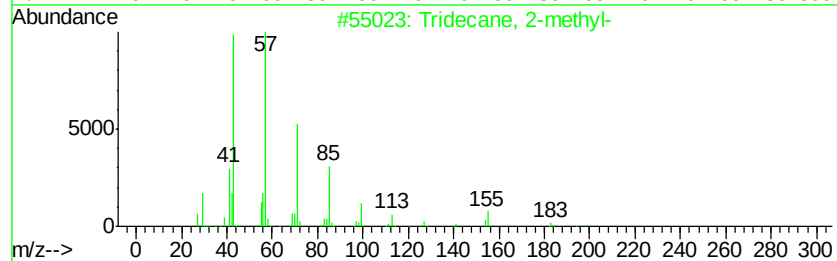
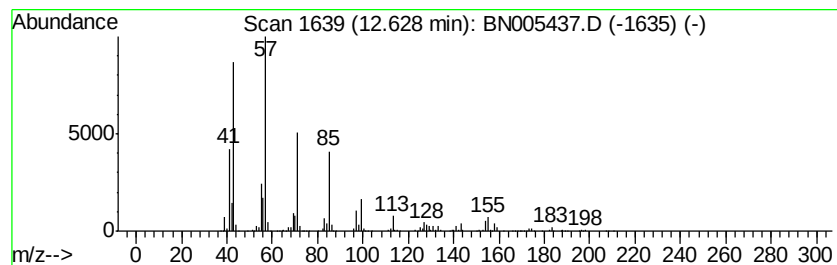
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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 22 (DEL) Alkane: Straight-Chai... Concentration Rank 54

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.63	6.82 ng/ul	5275130	Acenaphthene-d10	14.23

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Tridecane, 2-methyl-	198	C14H30	001560-96-9	93
2			Eicosane, 10-methyl-	296	C21H44	054833-23-7	80
3			Tridecane, 2-methyl-	198	C14H30	001560-96-9	78
4			3,5-Dimethyldodecane	198	C14H30	107770-99-0	68
5			Eicosane	282	C20H42	000112-95-8	64



Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN050219\
Data File : BN005437.D
Acq On : 03 May 2019 04:13
Operator : JU/SJ
Sample : K2603-16 5X
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
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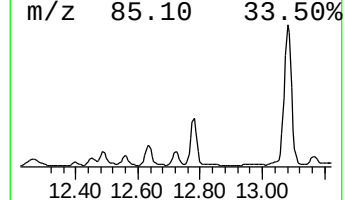
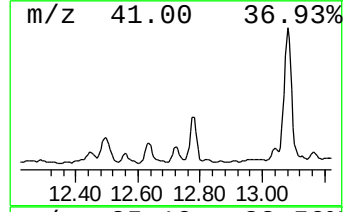
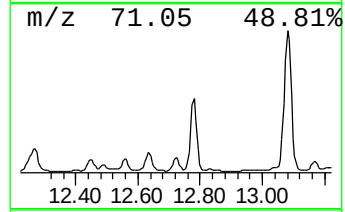
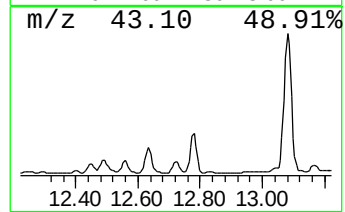
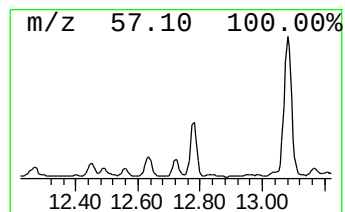
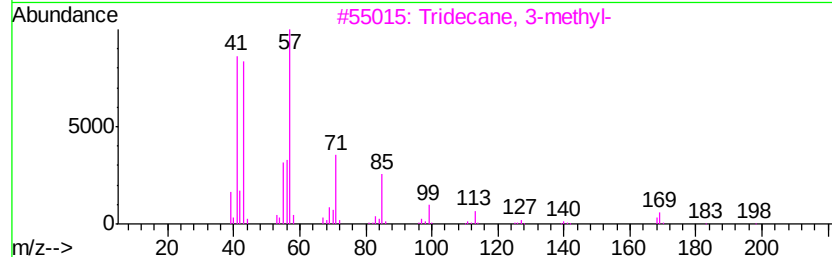
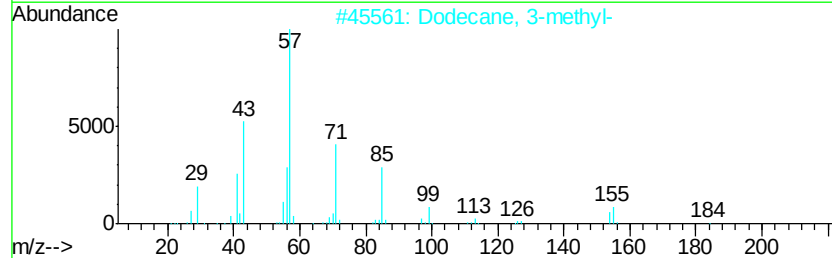
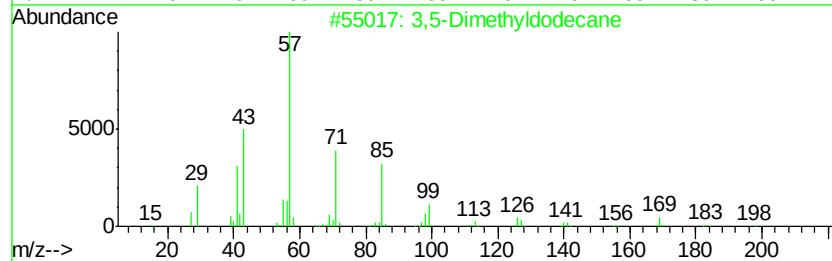
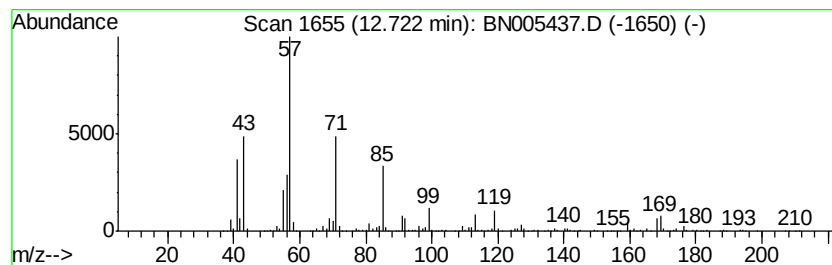
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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 23 (DEL) Alkane: Straight-Chai... Concentration Rank 62

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.72	5.41 ng/ul	4185110	Acenaphthene-d10	14.23

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			3,5-Dimethyldodecane	198	C14H30	107770-99-0	68
2			Dodecane, 3-methyl-	184	C13H28	017312-57-1	64
3			Tridecane, 3-methyl-	198	C14H30	006418-41-3	62
4			Nonane, 3-methyl-	142	C10H22	005911-04-6	60
5			Nonane, 3-methyl-	142	C10H22	005911-04-6	60



Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN050219\
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Sample : K2603-16 5X
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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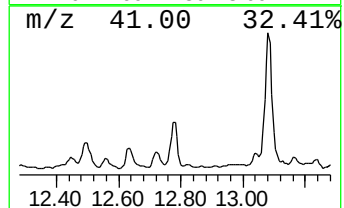
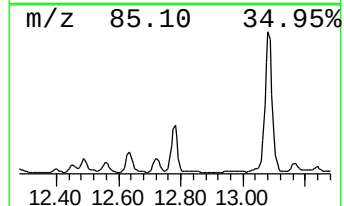
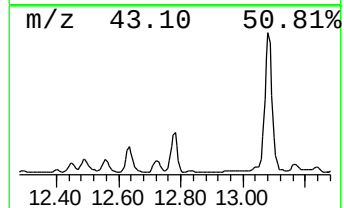
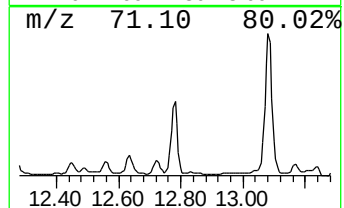
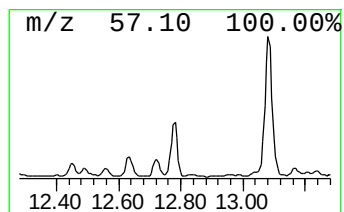
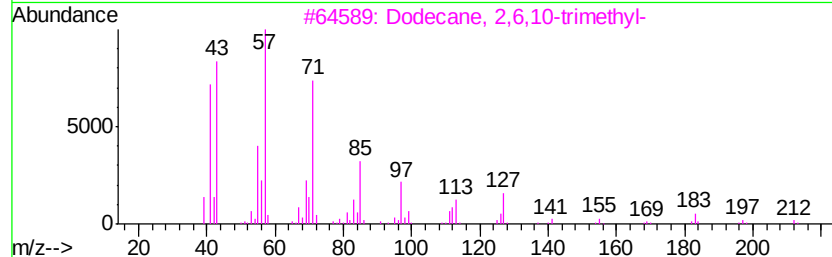
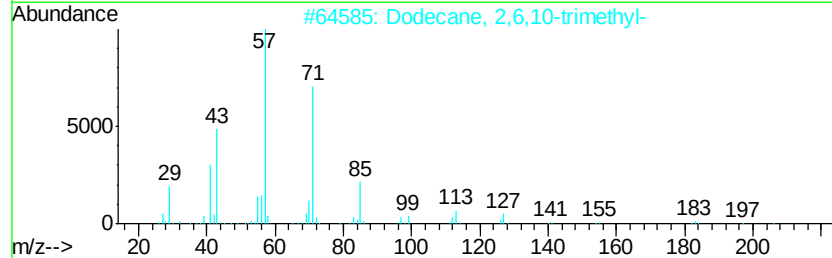
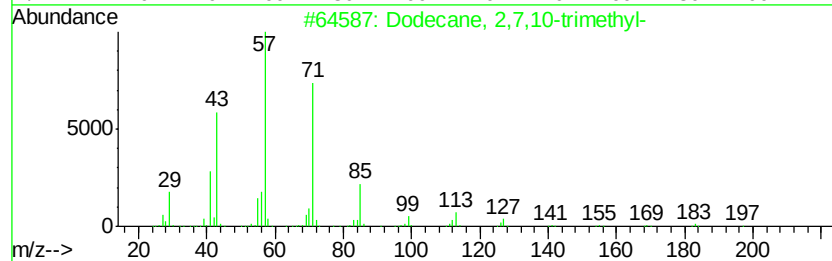
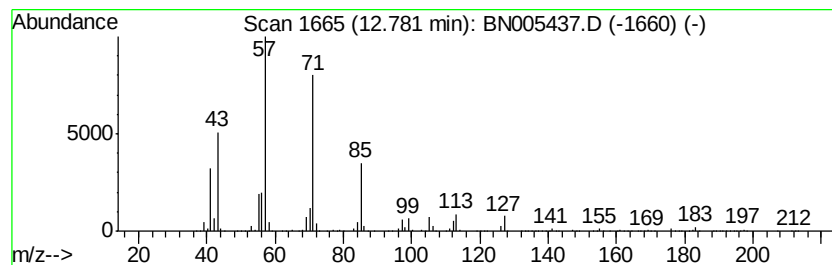
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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 24 (DEL) Alkane: Straight-Chai... Concentration Rank 47

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.78	11.03 ng/ul	8528530	Acenaphthene-d10	14.23

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Dodecane, 2,7,10-trimethyl-	212	C15H32	074645-98-0	91
2		Dodecane, 2,6,10-trimethyl-	212	C15H32	003891-98-3	90
3		Dodecane, 2,6,10-trimethyl-	212	C15H32	003891-98-3	83
4		Decane, 5-propyl-	184	C13H28	017312-62-8	83
5		Dodecane, 2,6,11-trimethyl-	212	C15H32	031295-56-4	83



Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN050219\
Data File : BN005437.D
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Sample : K2603-16 5X
Misc :
ALS Vial : 22 Sample Multiplier: 1

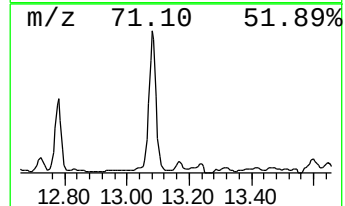
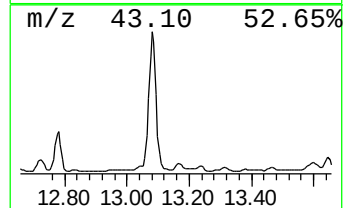
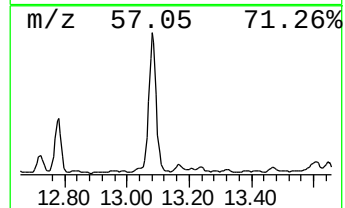
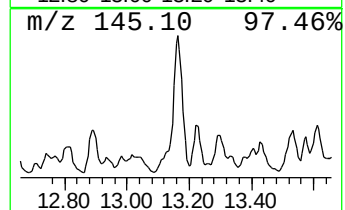
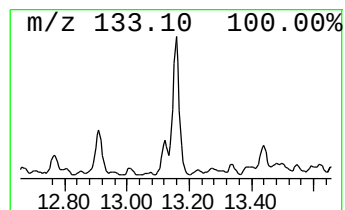
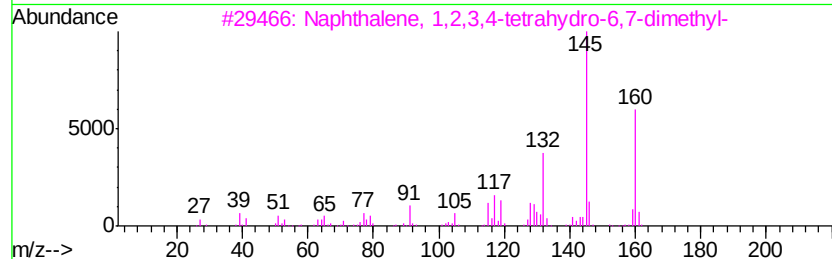
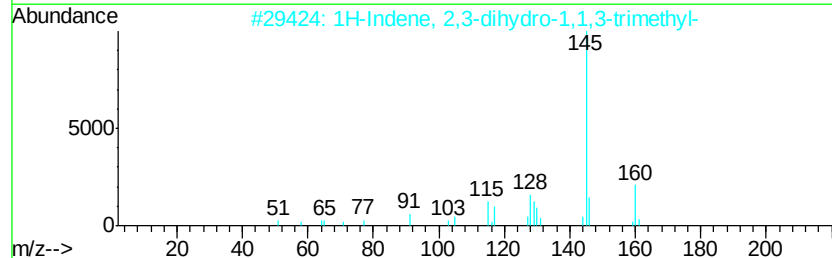
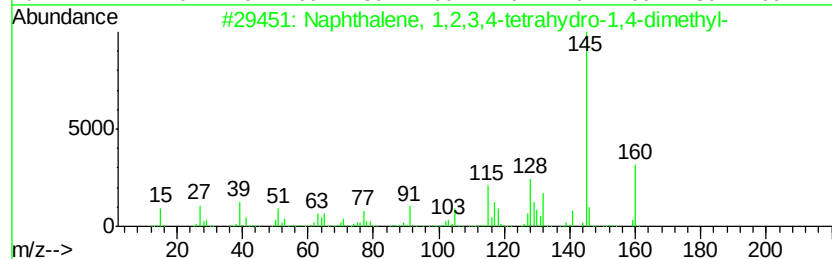
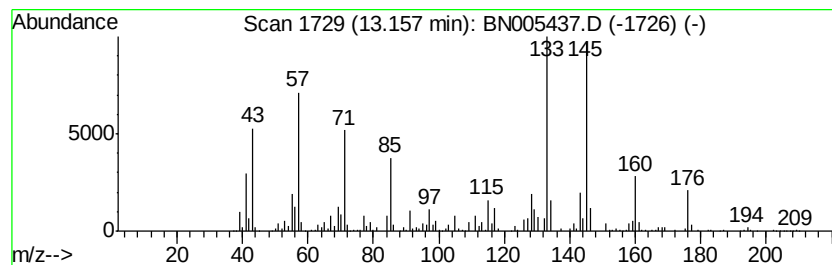
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN041919MA.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 25 unknown-01 Concentration Rank 68

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.16	2.97 ng/ul	2295240	Acenaphthene-d10	14.23
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1		Naphthalene, 1,2,3,4-tetrahydro-...	160 C12H16	004175-54-6 46
2		1H-Indene, 2,3-dihydro-1,1,3-tri...	160 C12H16	002613-76-5 42
3		Naphthalene, 1,2,3,4-tetrahydro-...	160 C12H16	001076-61-5 41
4		Naphthalene, 1,2,3,4-tetrahydro-...	160 C12H16	001076-61-5 41
5		Naphthalene, 1,2,3,4-tetrahydro-...	160 C12H16	020027-77-4 38



Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN050219\
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Sample : K2603-16 5X
Misc :
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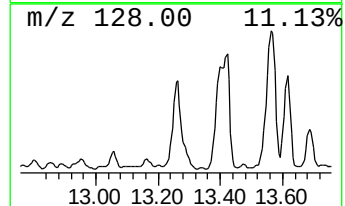
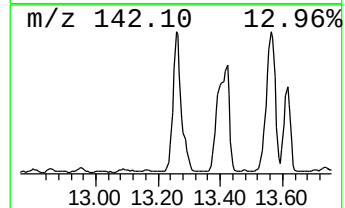
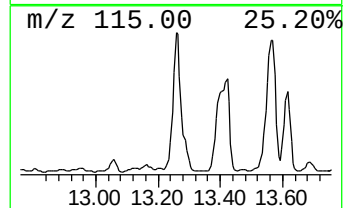
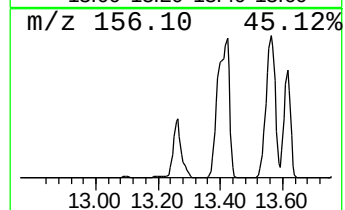
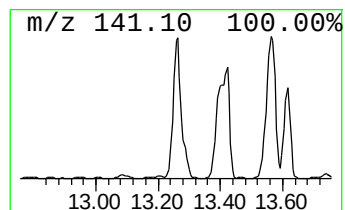
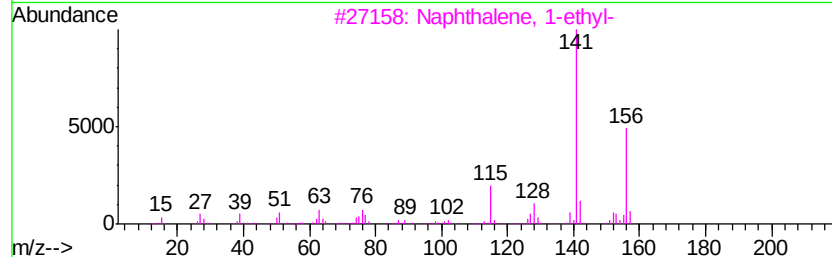
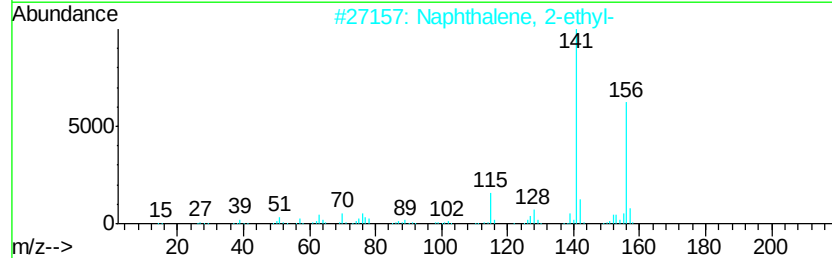
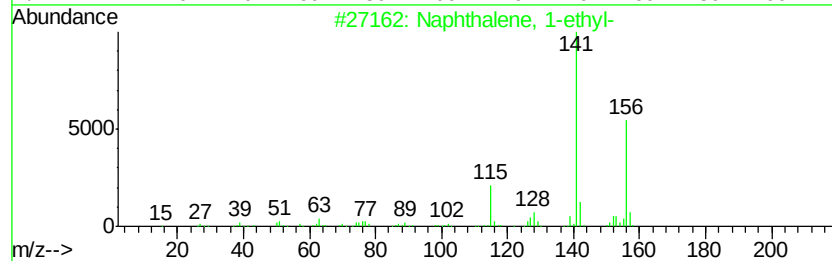
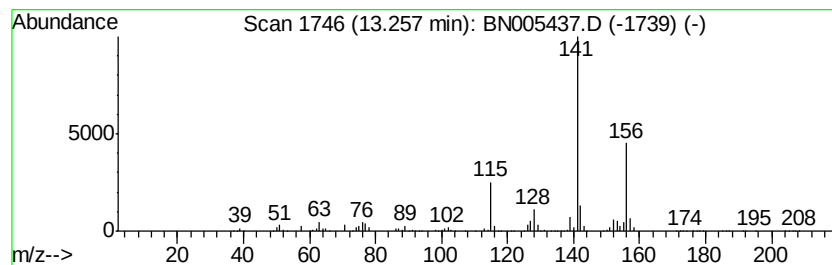
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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 26 Naphthalene, 1-ethyl- Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.26	33.81 ng/ul	26152300	Acenaphthene-d10	14.23
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1		Naphthalene, 1-ethyl-	156 C12H12	001127-76-0 96
2		Naphthalene, 2-ethyl-	156 C12H12	000939-27-5 95
3		Naphthalene, 1-ethyl-	156 C12H12	001127-76-0 94
4		Naphthalene, 1-ethyl-	156 C12H12	001127-76-0 94
5		Naphthalene, 2-ethyl-	156 C12H12	000939-27-5 94



Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN050219\
Data File : BN005437.D
Acq On : 03 May 2019 04:13
Operator : JU/SJ
Sample : K2603-16 5X
Misc :
ALS Vial : 22 Sample Multiplier: 1

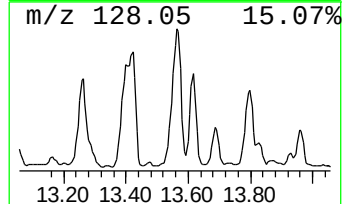
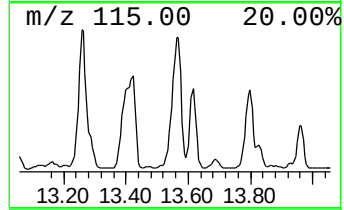
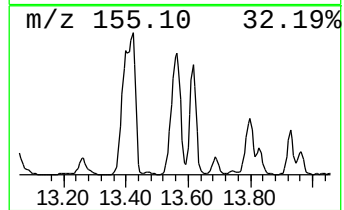
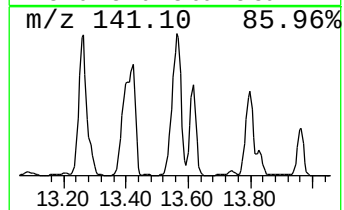
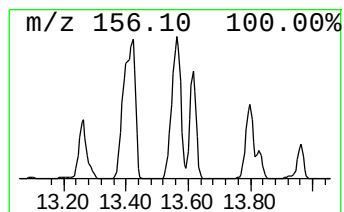
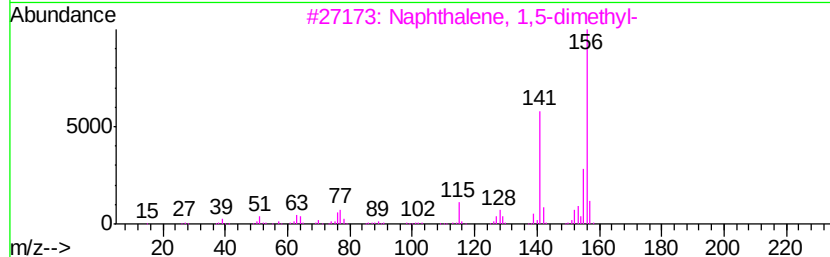
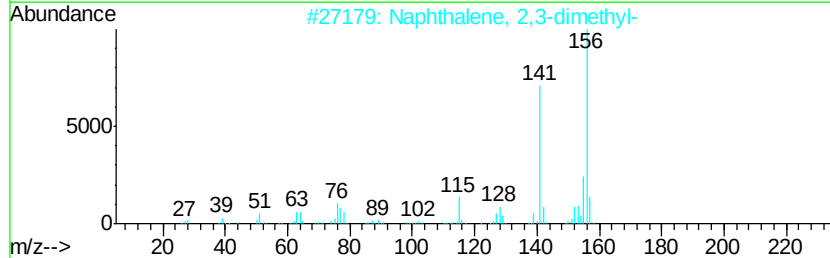
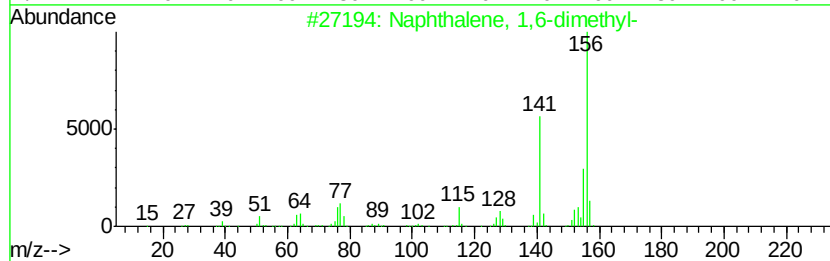
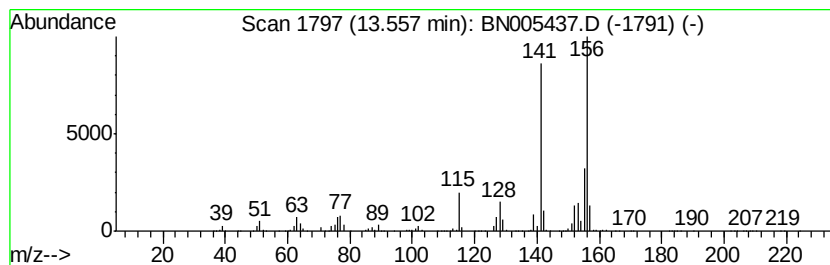
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ClientSampleId :
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN041919MA.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 27 Naphthalene, 1,6-dimethyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.	
13.56	46.64 ng/ul	36078900	Acenaphthene-d10	14.23	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	97
2	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	97
3	Naphthalene, 1,5-dimethyl-	156	C12H12	000571-61-9	97
4	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	97
5	Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	97



Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN050219\
Data File : BN005437.D
Acq On : 03 May 2019 04:13
Operator : JU/SJ
Sample : K2603-16 5X
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
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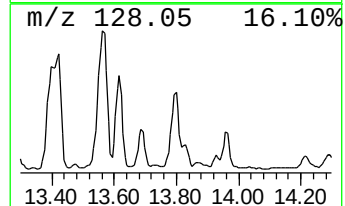
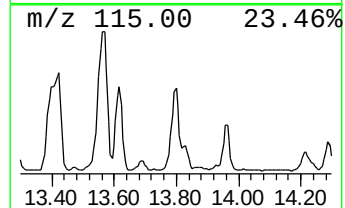
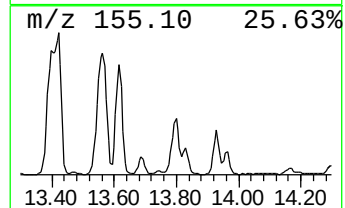
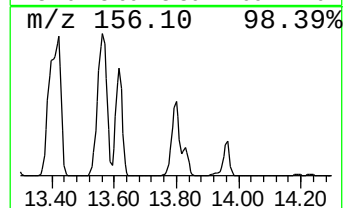
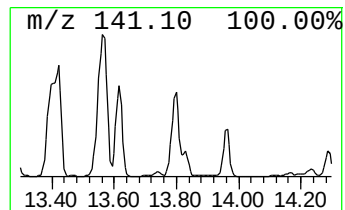
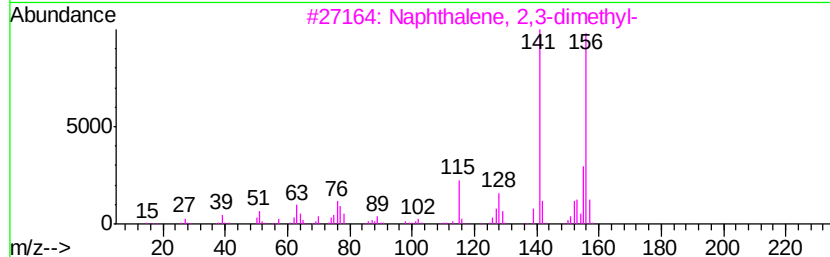
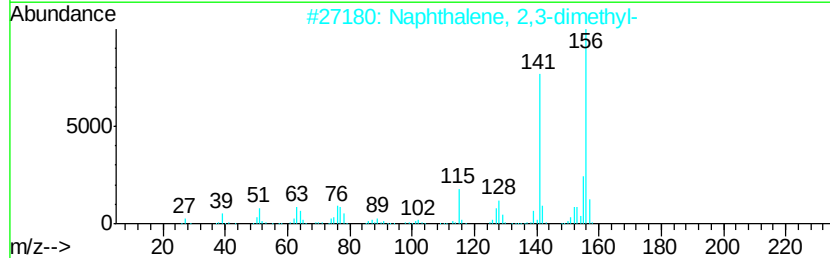
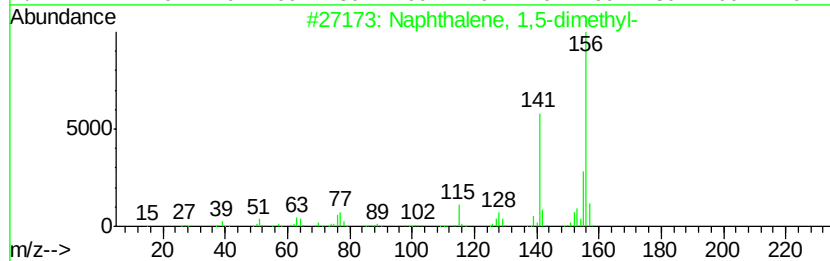
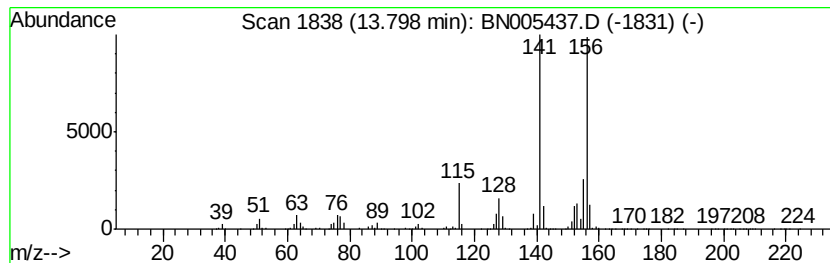
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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 28 Naphthalene, 1,5-dimethyl- Concentration Rank 30

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.80	21.69 ng/ul	16780600	Acenaphthene-d10	14.23

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphthalene, 1,5-dimethyl-	156	C12H12	000571-61-9	97
2		Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	97
3		Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	97
4		Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	97
5		Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	97



Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN050219\
Data File : BN005437.D
Acq On : 03 May 2019 04:13
Operator : JU/SJ
Sample : K2603-16 5X
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
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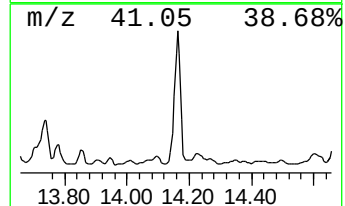
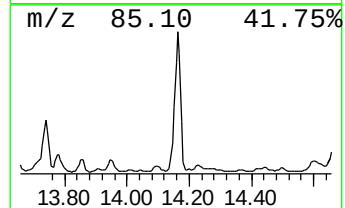
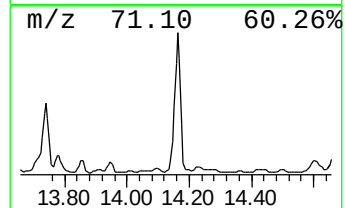
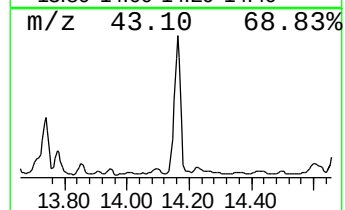
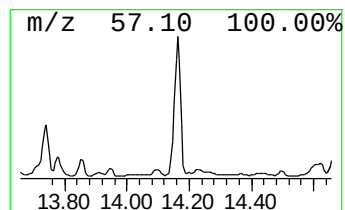
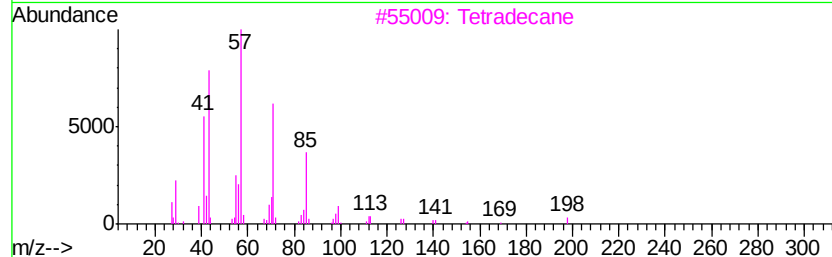
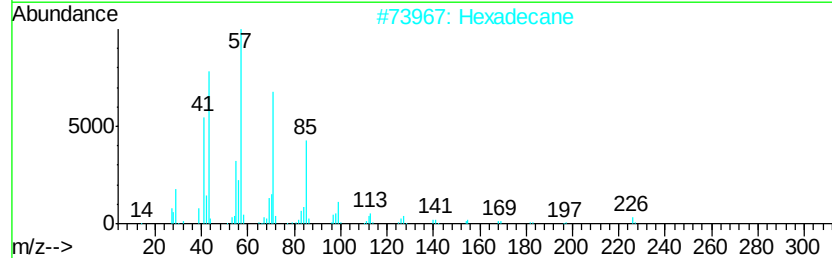
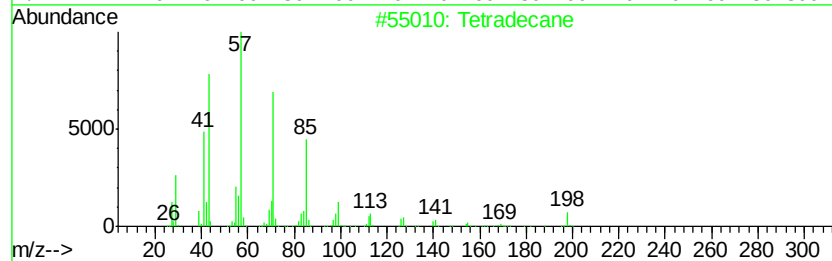
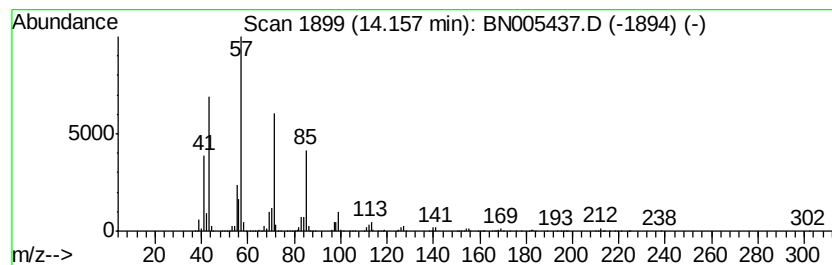
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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 29 (DEL) Alkane: Straight-Chai... Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.16	35.18 ng/ul	27215700	Acenaphthene-d10	14.23

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Tetradecane	198	C14H30	000629-59-4	97
2			Hexadecane	226	C16H34	000544-76-3	97
3			Tetradecane	198	C14H30	000629-59-4	96
4			Tetradecane	198	C14H30	000629-59-4	95
5			Pentadecane	212	C15H32	000629-62-9	94



Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN050219\
Data File : BN005437.D
Acq On : 03 May 2019 04:13
Operator : JU/SJ
Sample : K2603-16 5X
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampled :
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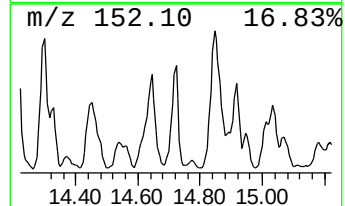
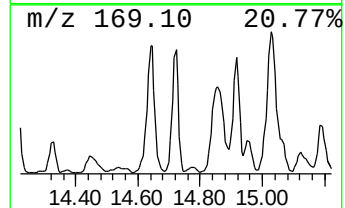
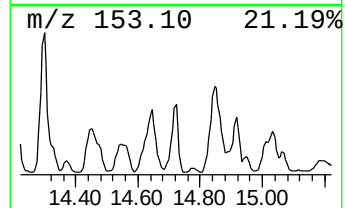
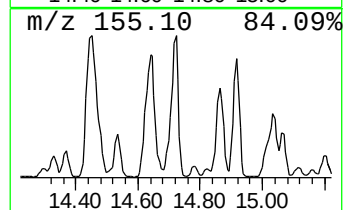
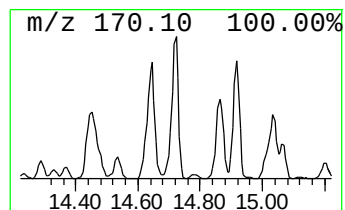
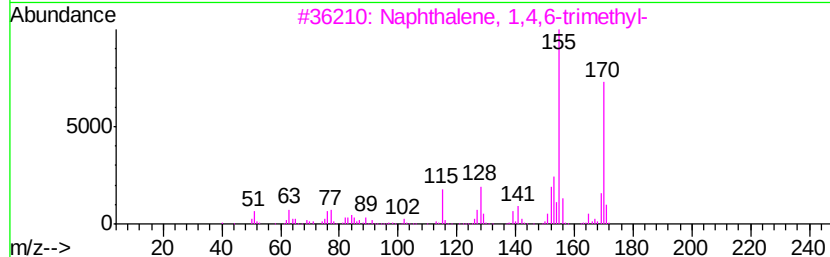
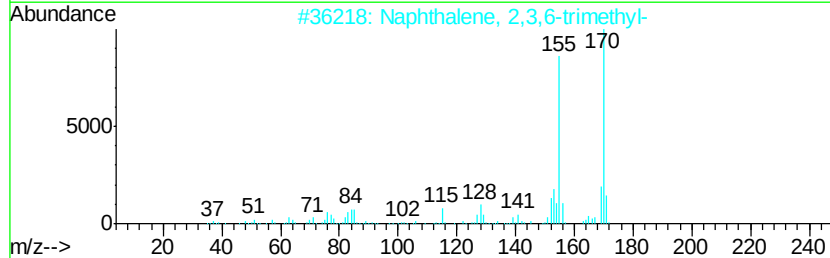
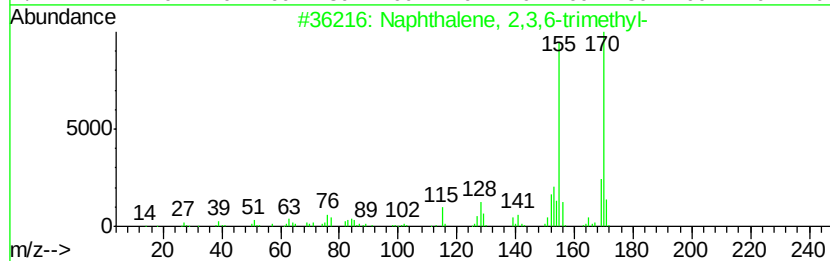
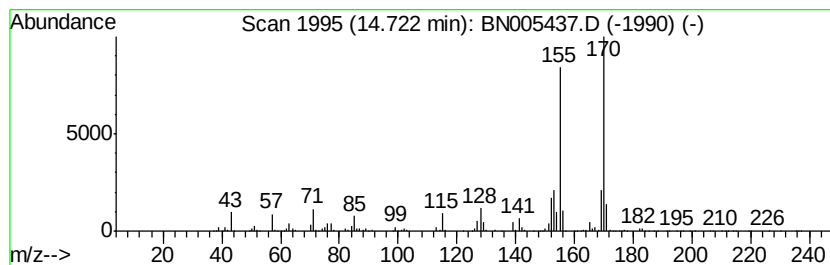
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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 30 Naphthalene, 2,3,6-trimethyl- Concentration Rank 46

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.72	11.66 ng/ul	9021800	Acenaphthene-d10	14.23

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	98
2			Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	97
3			Naphthalene, 1,4,6-trimethyl-	170	C13H14	002131-42-2	96
4			Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	95
5			Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	95



Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN050219\
Data File : BN005437.D
Acq On : 03 May 2019 04:13
Operator : JU/SJ
Sample : K2603-16 5X
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
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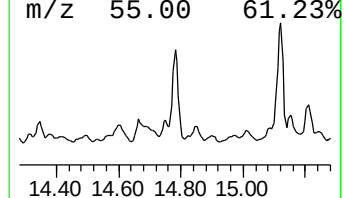
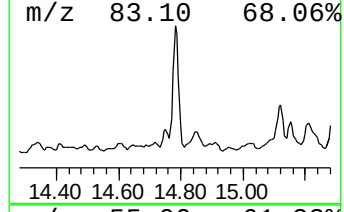
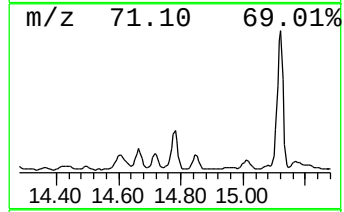
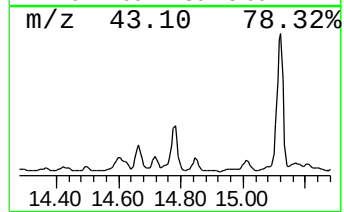
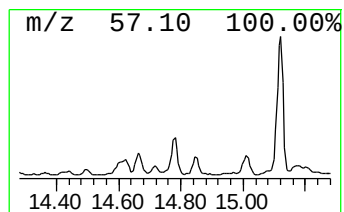
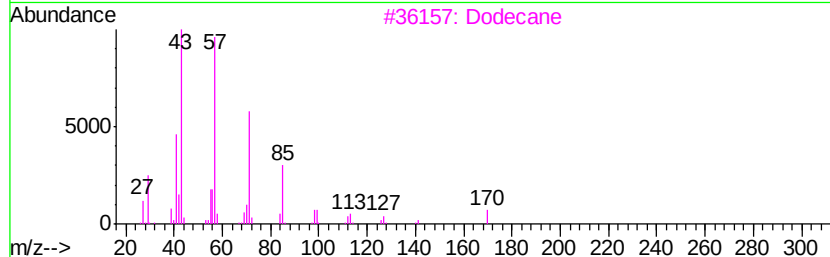
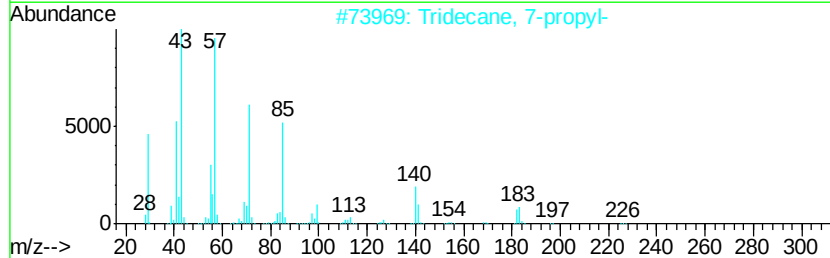
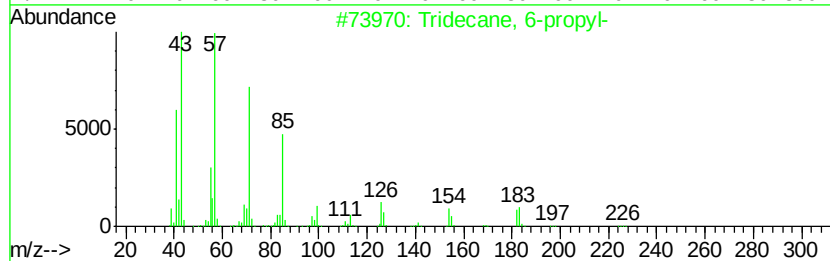
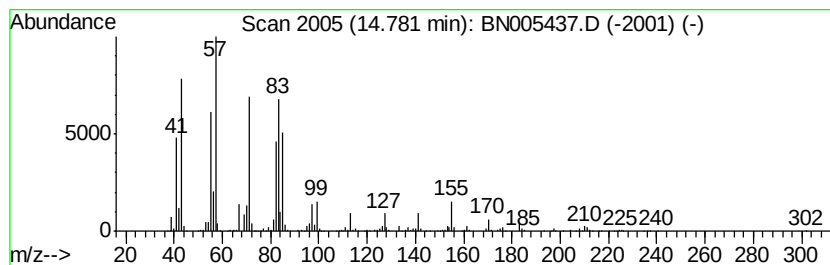
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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 31 (DEL) Alkane: Straight-Chai... Concentration Rank 45

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.78	11.91 ng/ul	9209280	Acenaphthene-d10	14.23

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Tridecane, 6-propyl-	226	C16H34	055045-10-8	64
2		Tridecane, 7-propyl-	226	C16H34	055045-09-5	53
3		Dodecane	170	C12H26	000112-40-3	52
4		Heptacosane	380	C27H56	000593-49-7	49
5		Pentadecane	212	C15H32	000629-62-9	46



Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN050219\
Data File : BN005437.D
Acq On : 03 May 2019 04:13
Operator : JU/SJ
Sample : K2603-16 5X
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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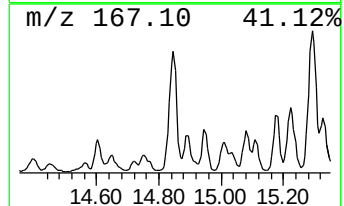
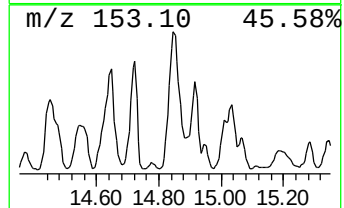
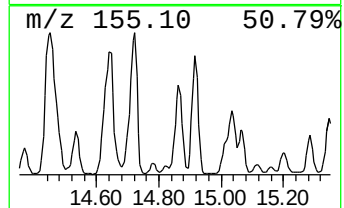
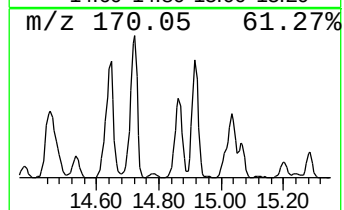
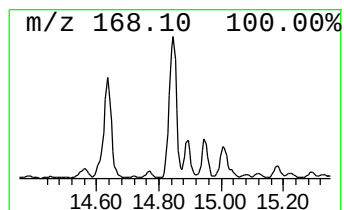
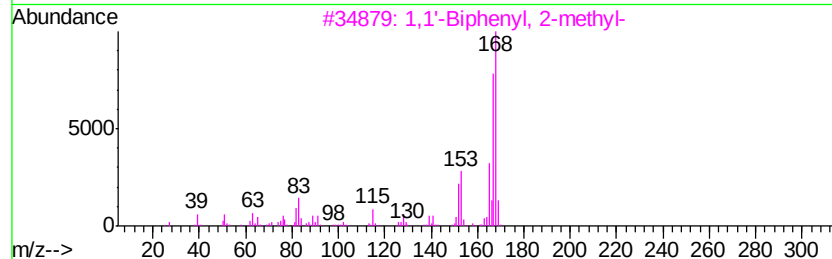
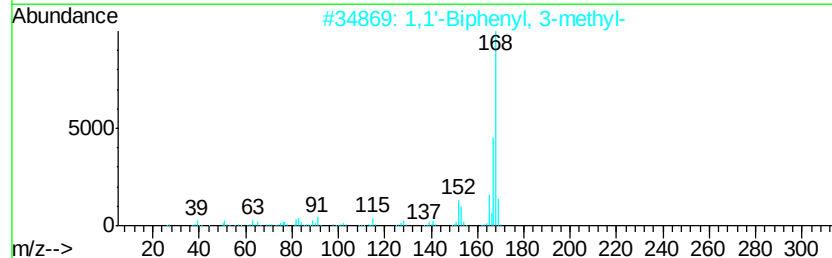
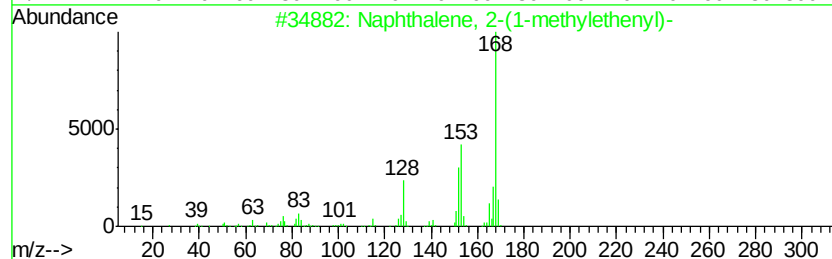
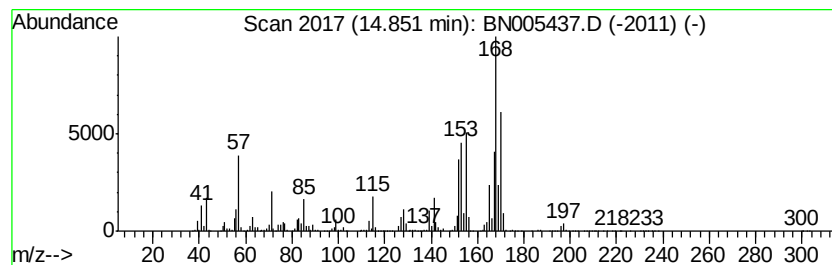
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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 32 unknown-02 Concentration Rank 36

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.85	19.58 ng/ul	15143300	Acenaphthene-d10	14.23

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphthalene, 2-(1-methylethenyl)-	168	C13H12	003710-23-4	46
2		1,1'-Biphenyl, 3-methyl-	168	C13H12	000643-93-6	45
3		1,1'-Biphenyl, 2-methyl-	168	C13H12	000643-58-3	38
4		3-(2-Methyl-propenyl)-1H-indene	170	C13H14	1000187-78-5	38
5		1,1'-Biphenyl, 3-methyl-	168	C13H12	000643-93-6	38



Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN050219\
Data File : BN005437.D
Acq On : 03 May 2019 04:13
Operator : JU/SJ
Sample : K2603-16 5X
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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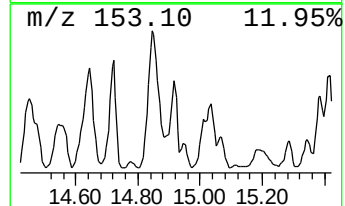
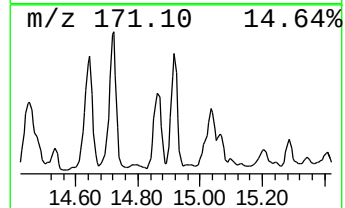
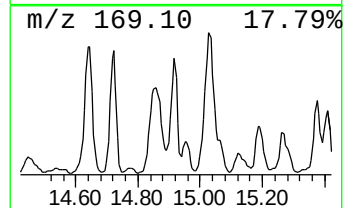
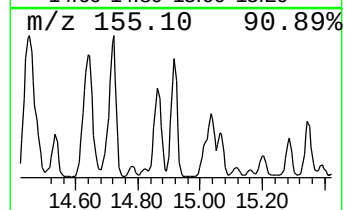
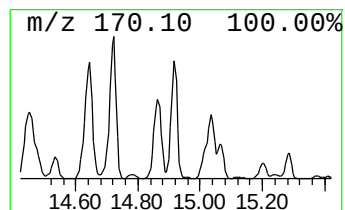
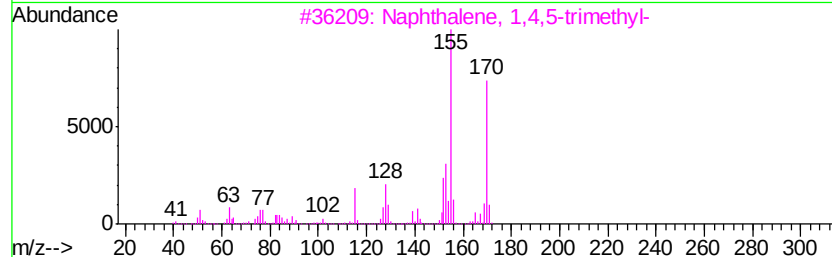
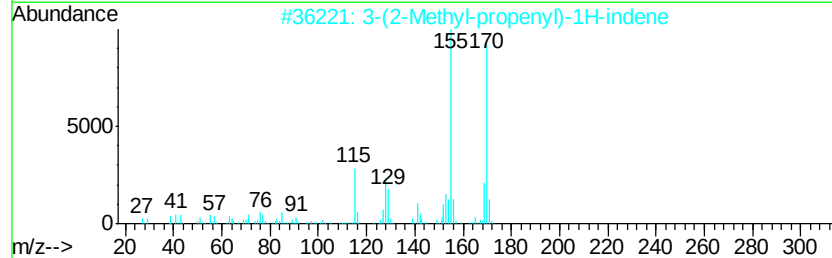
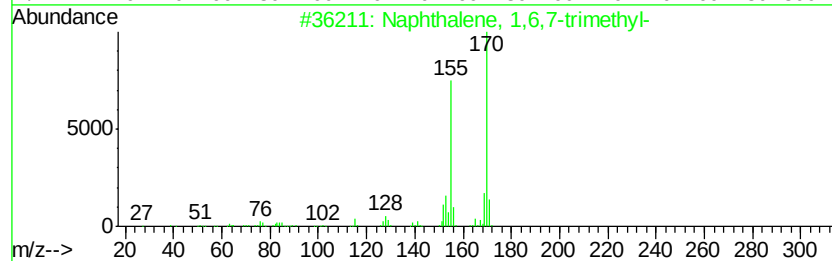
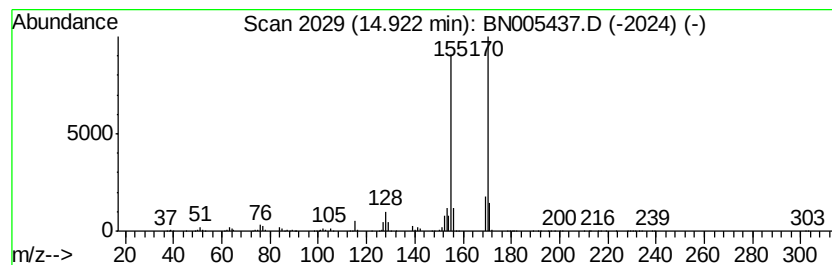
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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 33 Naphthalene, 1,6,7-trimethyl- Concentration Rank 49

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.92	8.26 ng/ul	6385810	Acenaphthene-d10	14.23

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	95
2		3-(2-Methyl-propenyl)-1H-indene	170	C13H14	1000187-78-5	87
3		Naphthalene, 1,4,5-trimethyl-	170	C13H14	002131-41-1	86
4		Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	86
5		Naphthalene, 2-(1-methylethyl)-	170	C13H14	002027-17-0	86



Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN050219\
Data File : BN005437.D
Acq On : 03 May 2019 04:13
Operator : JU/SJ
Sample : K2603-16 5X
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
GAJ68

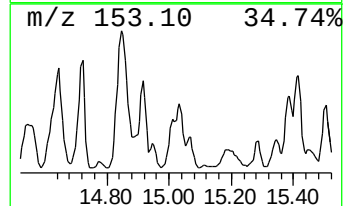
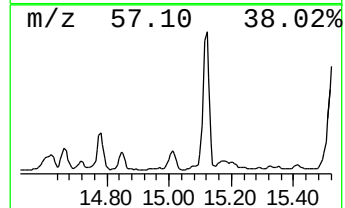
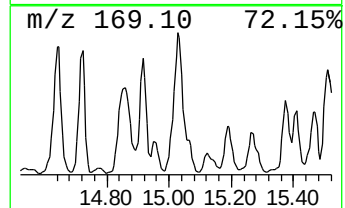
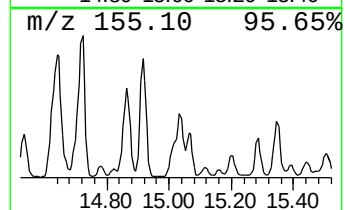
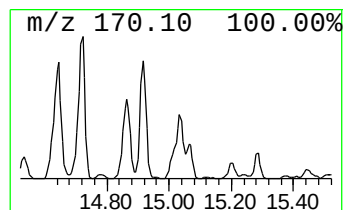
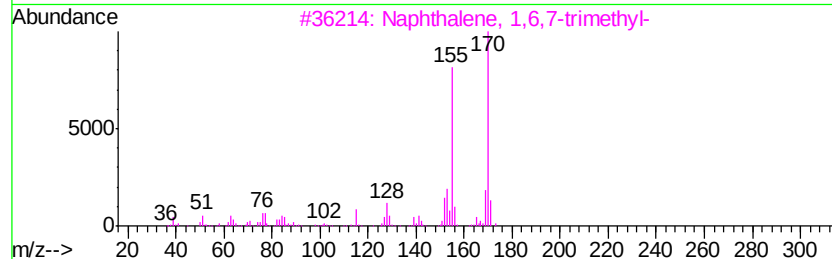
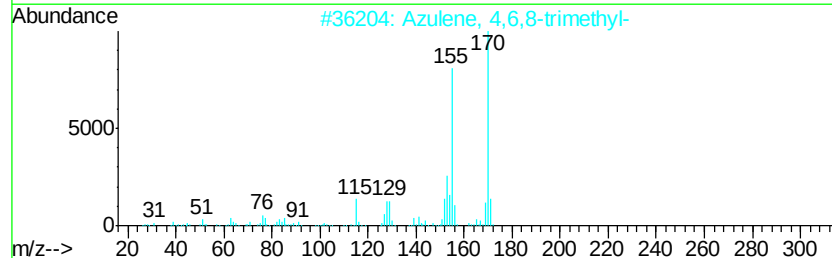
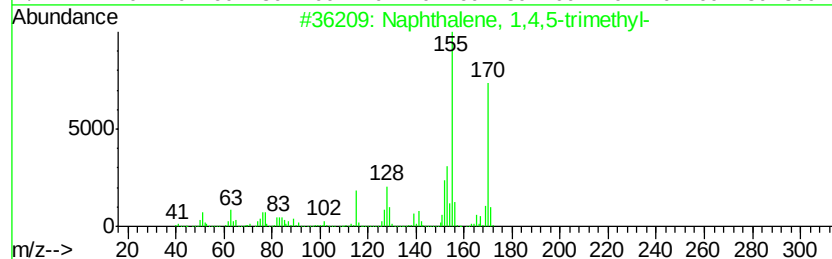
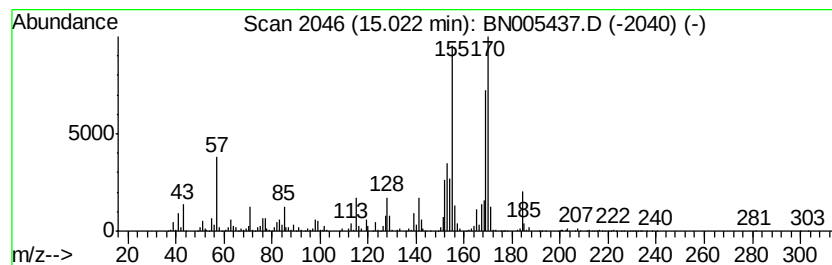
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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 34 Naphthalene, 1,4,5-trimethyl- Concentration Rank 58

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.02	6.37 ng/ul	4924010	Acenaphthene-d10	14.23

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphthalene, 1,4,5-trimethyl-	170	C13H14	002131-41-1	91
2		Azulene, 4,6,8-trimethyl-	170	C13H14	000941-81-1	70
3		Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	60
4		Naphthalene, 1,4,6-trimethyl-	170	C13H14	002131-42-2	60
5		1-(2,2-Dimethylcyclopropyl)-2-ph...	170	C13H14	1000294-91-1	60



Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN050219\
Data File : BN005437.D
Acq On : 03 May 2019 04:13
Operator : JU/SJ
Sample : K2603-16 5X
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
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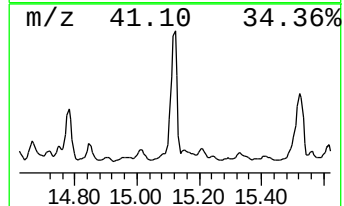
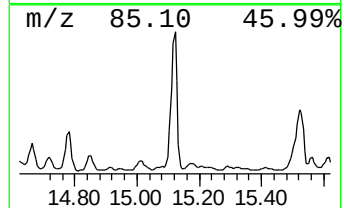
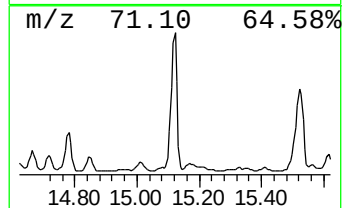
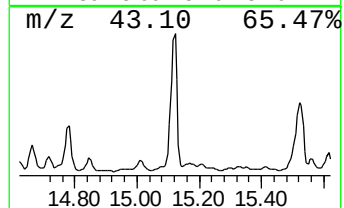
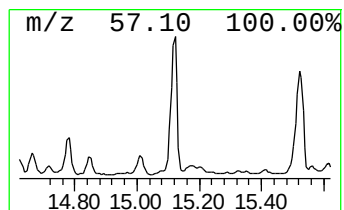
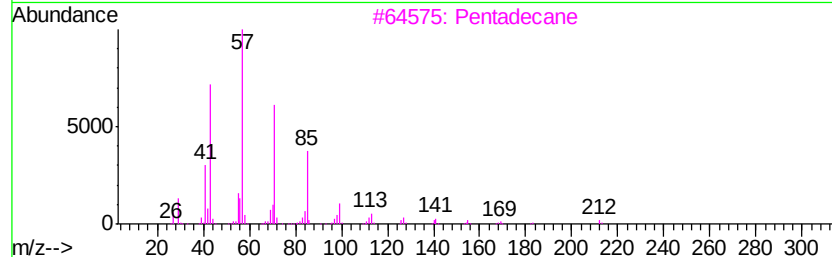
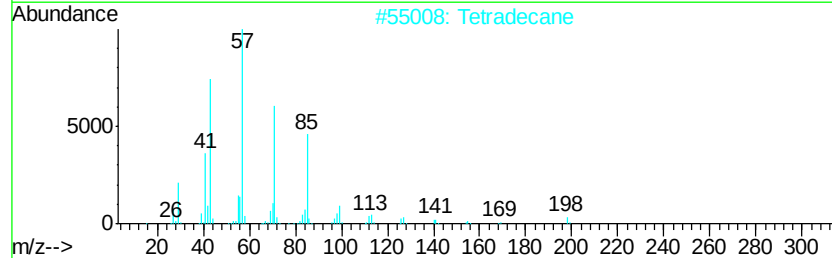
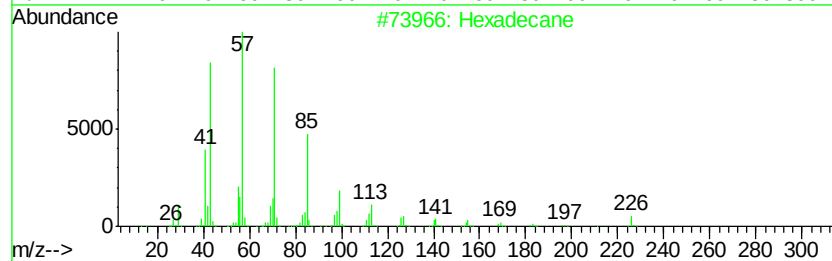
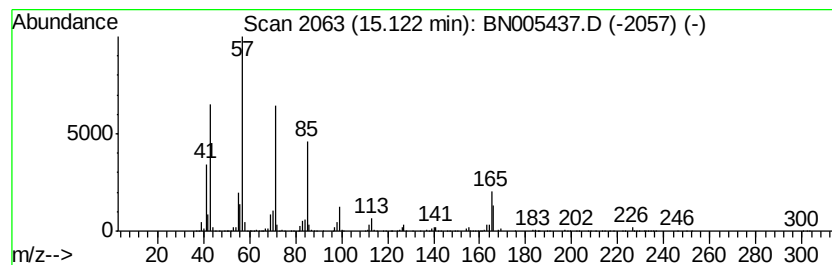
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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 35 (DEL) Alkane: Straight-Chai... Concentration Rank 23

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.12	30.38 ng/ul	23495600	Acenaphthene-d10	14.23

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Hexadecane	226	C16H34	000544-76-3	64
2		Tetradecane	198	C14H30	000629-59-4	53
3		Pentadecane	212	C15H32	000629-62-9	53
4		Tetradecane	198	C14H30	000629-59-4	49
5		Dodecane, 2-methyl-6-propyl-	226	C16H34	055045-08-4	49



Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN050219\
Data File : BN005437.D
Acq On : 03 May 2019 04:13
Operator : JU/SJ
Sample : K2603-16 5X
Misc :
ALS Vial : 22 Sample Multiplier: 1

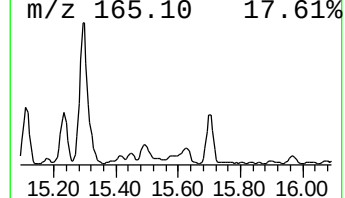
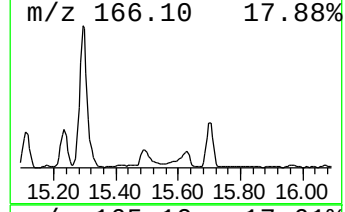
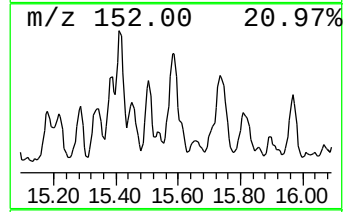
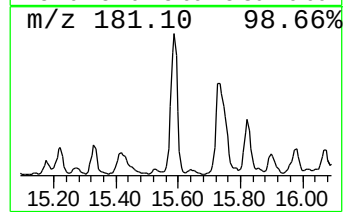
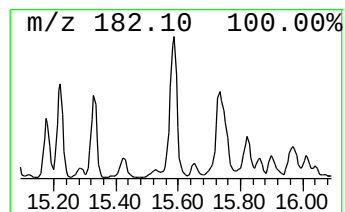
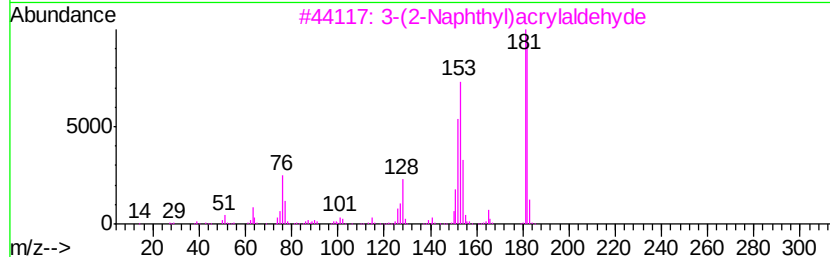
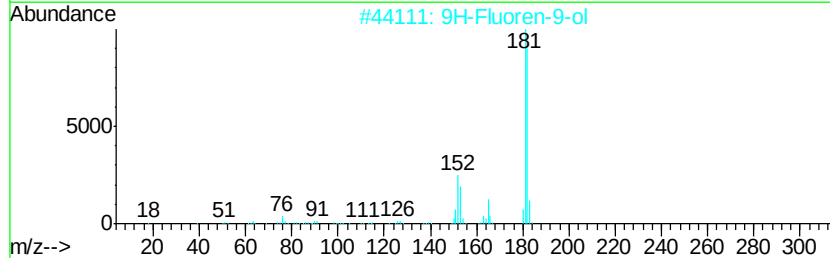
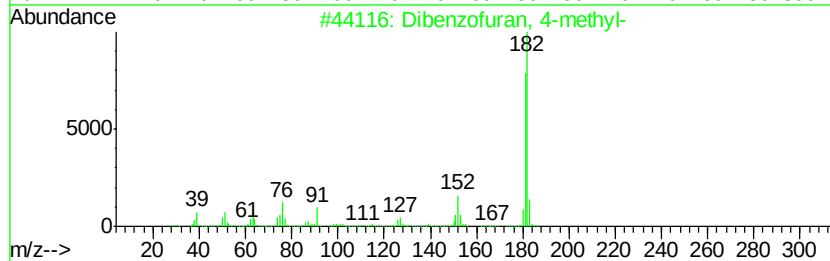
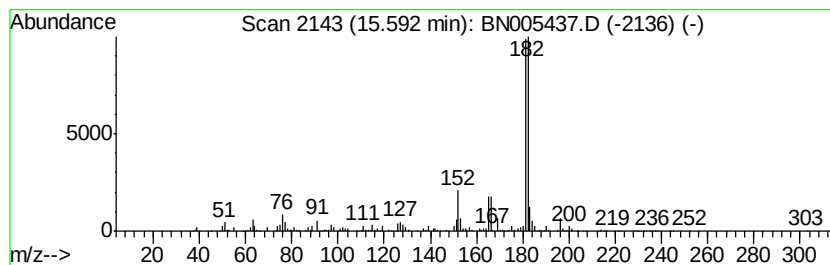
Instrument :
BNA_N
ClientSampleId :
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN041919MA.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 37 Dibenzofuran, 4-methyl- Concentration Rank 61

R.T.	EstConc	Area	Relative to ISTD	R.T.	
15.59	5.53 ng/ul	4273990	Acenaphthene-d10	14.23	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzofuran, 4-methyl-	182	C13H10O	007320-53-8	81
2	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	80
3	3-(2-Naphthyl)acrylaldehyde	182	C13H10O	020884-05-3	59
4	[1,1'-Biphenyl]-4-carboxaldehyde	182	C13H10O	003218-36-8	58
5	Pyridine, 4,4'-(1,2-ethenediyl)bis-	182	C12H10N2	001135-32-6	53



Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN050219\
Data File : BN005437.D
Acq On : 03 May 2019 04:13
Operator : JU/SJ
Sample : K2603-16 5X
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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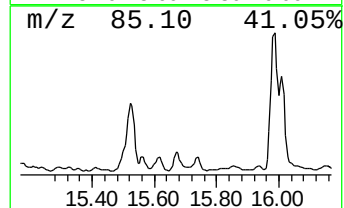
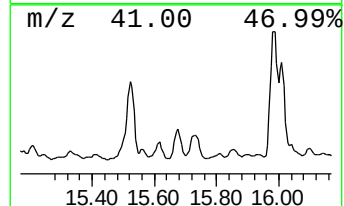
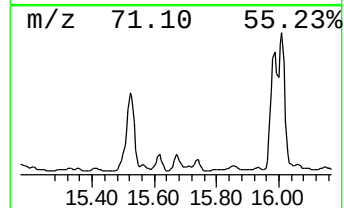
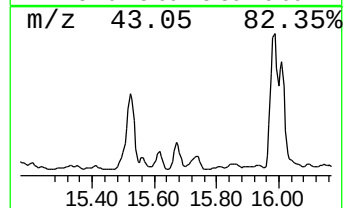
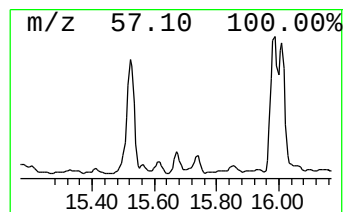
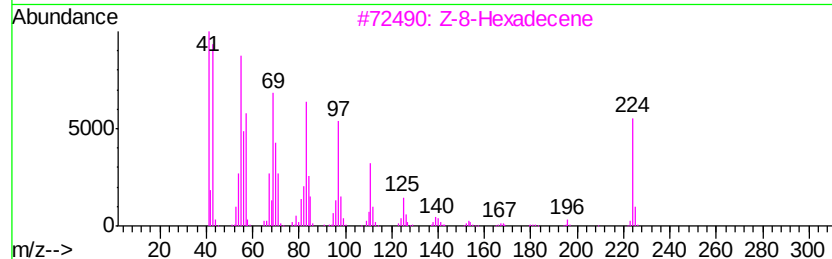
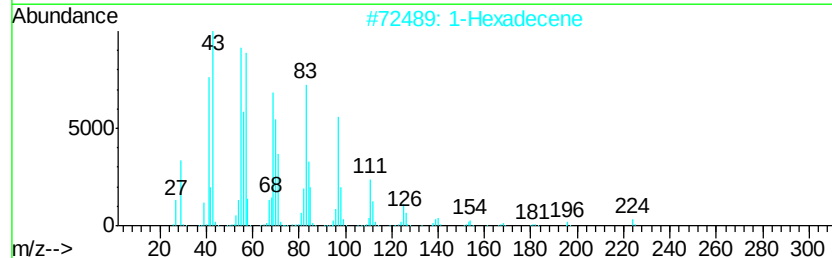
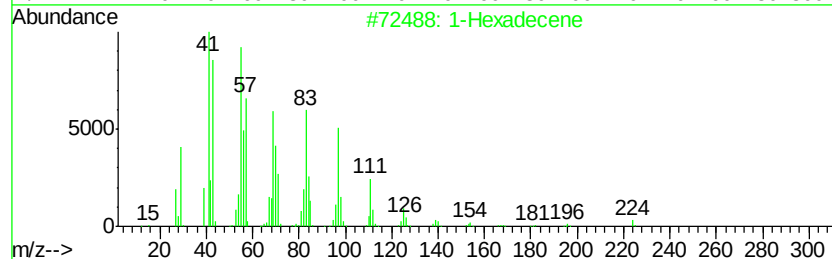
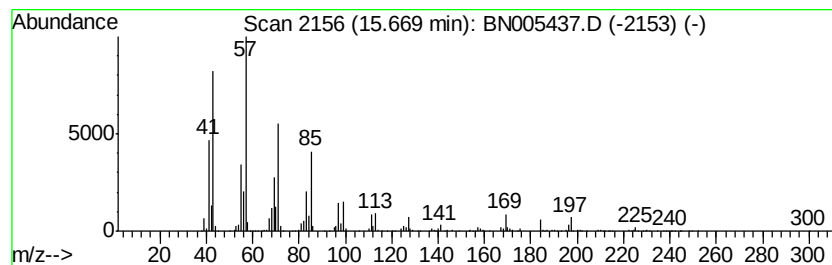
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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 38 (DEL) Alkane: Cyclic15.67 Concentration Rank 33

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.67	20.85 ng/ul	4220600	Phenanthrene-d10	16.99

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	1-Hexadecene	224	C16H32	000629-73-2	92
2		1-Hexadecene	224	C16H32	000629-73-2	83
3		Z-8-Hexadecene	224	C16H32	1000130-87-5	74
4		Tridecane	184	C13H28	000629-50-5	60
5		Tridecane, 6-propyl-	226	C16H34	055045-10-8	53



Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN050219\
Data File : BN005437.D
Acq On : 03 May 2019 04:13
Operator : JU/SJ
Sample : K2603-16 5X
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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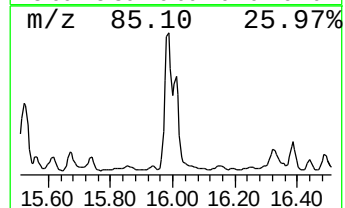
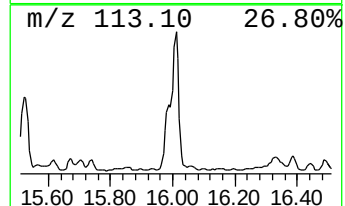
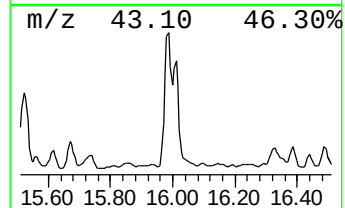
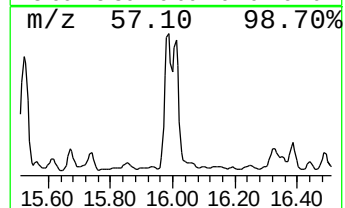
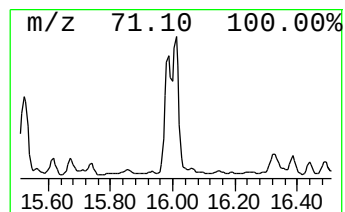
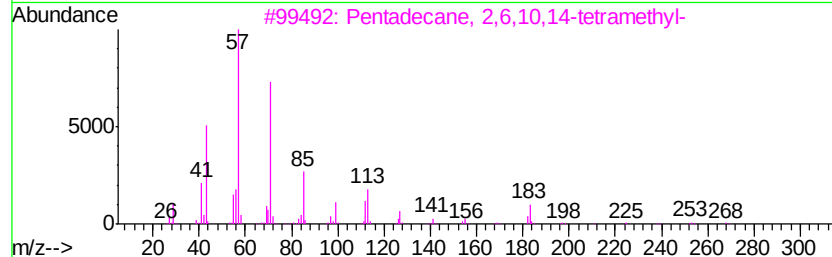
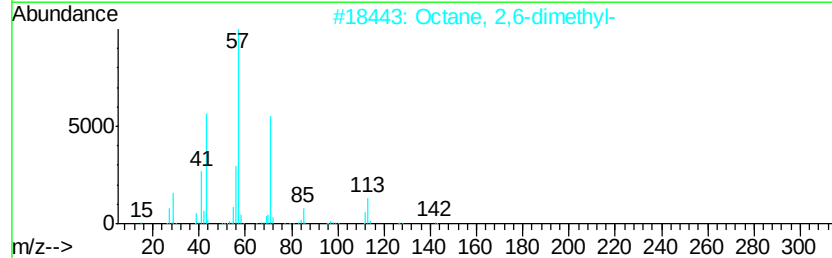
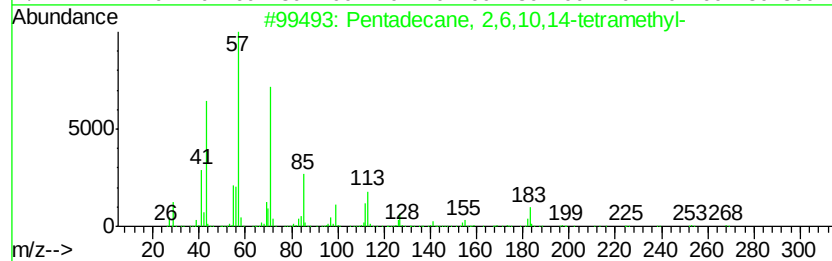
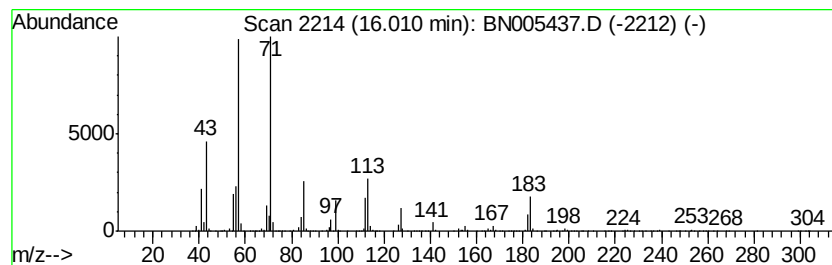
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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 41 (DEL) Alkane: Straight-Chai... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.01	62.54 ng/ul	12659800	Phenanthrene-d10	16.99

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Pentadecane, 2,6,10,14-tetramethyl-	268	C19H40	001921-70-6	91
2		Octane, 2,6-dimethyl-	142	C10H22	002051-30-1	72
3		Pentadecane, 2,6,10,14-tetramethyl-	268	C19H40	001921-70-6	70
4		Octane, 3,6-dimethyl-	142	C10H22	015869-94-0	68
5		Undecane, 3,6-dimethyl-	184	C13H28	017301-28-9	64



Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN050219\
Data File : BN005437.D
Acq On : 03 May 2019 04:13
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Sample : K2603-16 5X
Misc :
ALS Vial : 22 Sample Multiplier: 1

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ClientSampleId :
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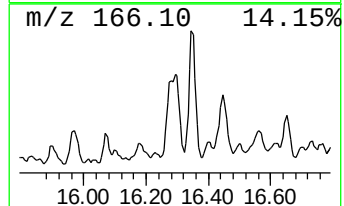
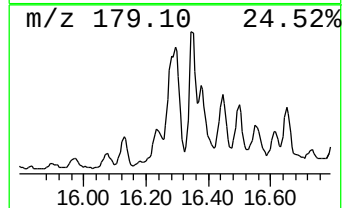
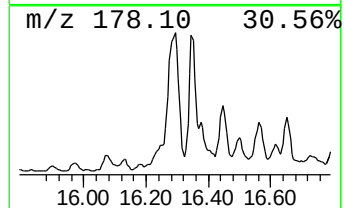
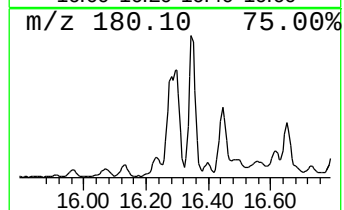
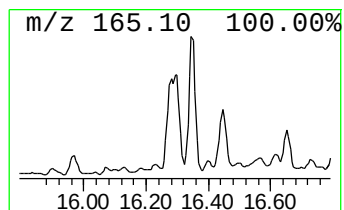
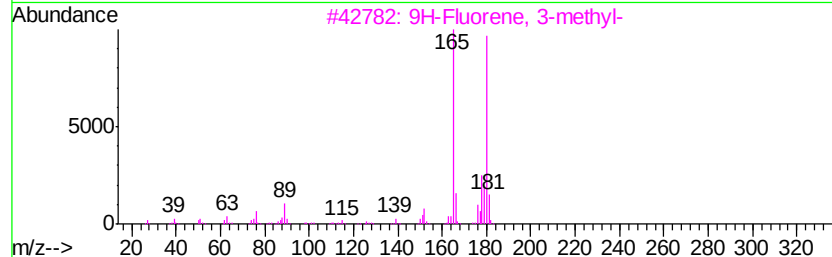
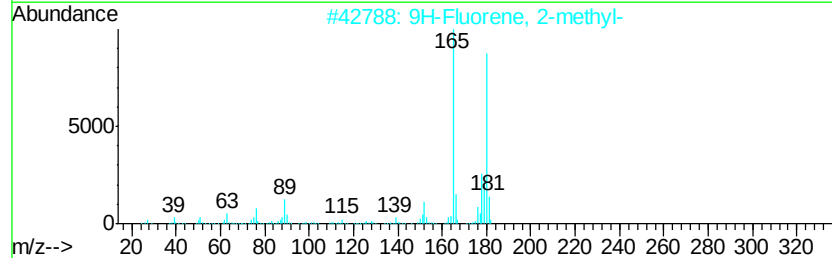
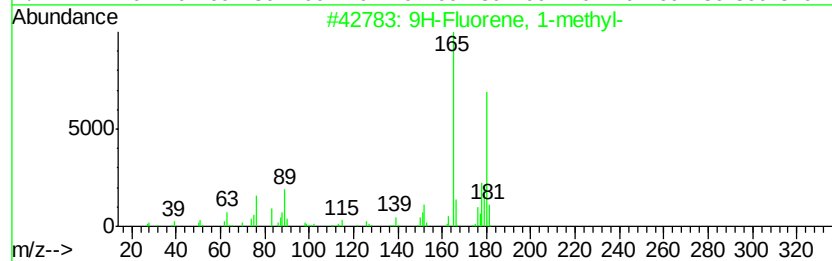
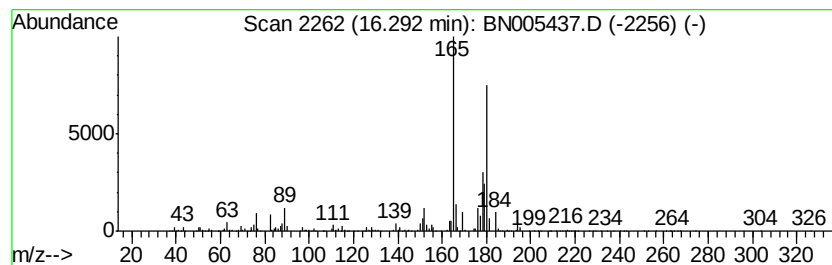
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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 42 9H-Fluorene, 1-methyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.29	42.60 ng/ul	8623050	Phenanthrene-d10	16.99

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	93
2		9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	93
3		9H-Fluorene, 3-methyl-	180	C14H12	002523-39-9	89
4		9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	68
5		9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	68



Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN050219\
Data File : BN005437.D
Acq On : 03 May 2019 04:13
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Sample : K2603-16 5X
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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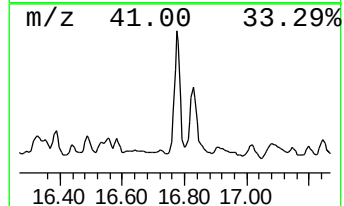
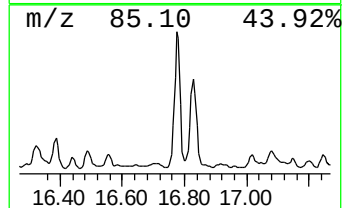
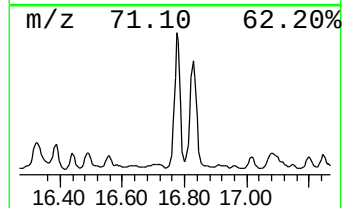
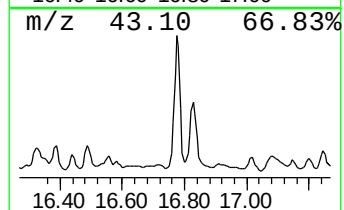
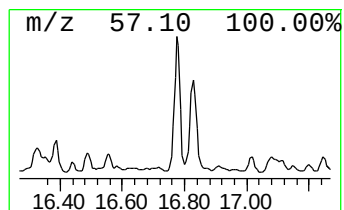
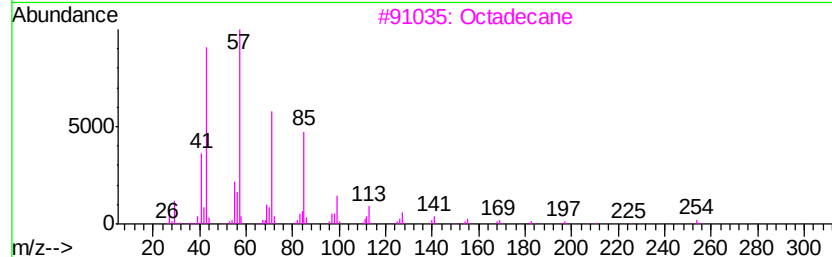
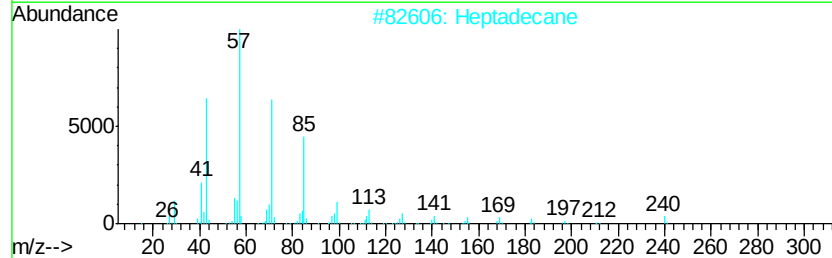
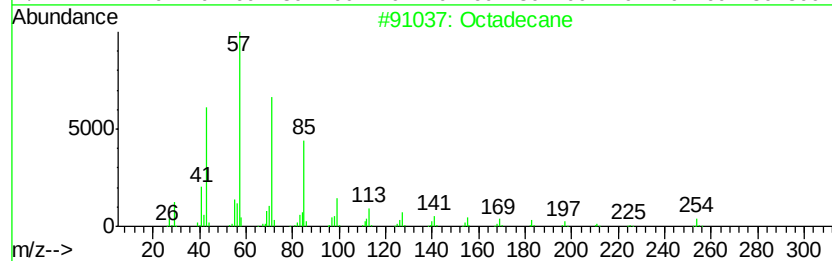
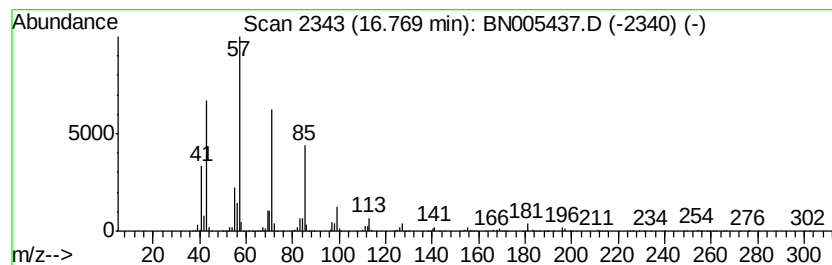
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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 47 (DEL) Alkane: Straight-Chai... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.77	77.65 ng/ul	15718100	Phenanthrene-d10	16.99

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Octadecane	254	C18H38	000593-45-3	94
2		Heptadecane	240	C17H36	000629-78-7	91
3		Octadecane	254	C18H38	000593-45-3	91
4		Tetracosane	338	C24H50	000646-31-1	91
5		Eicosane	282	C20H42	000112-95-8	91



Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN050219\
Data File : BN005437.D
Acq On : 03 May 2019 04:13
Operator : JU/SJ
Sample : K2603-16 5X
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampled :
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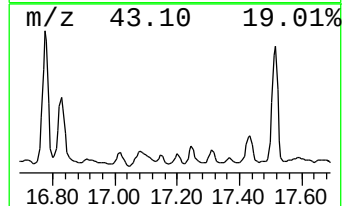
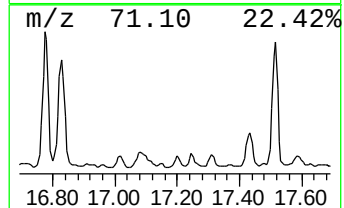
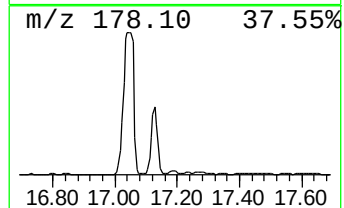
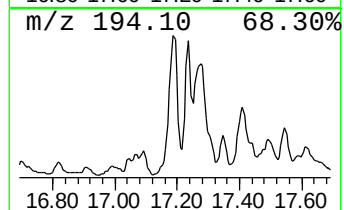
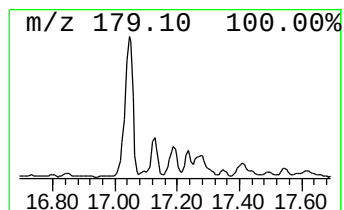
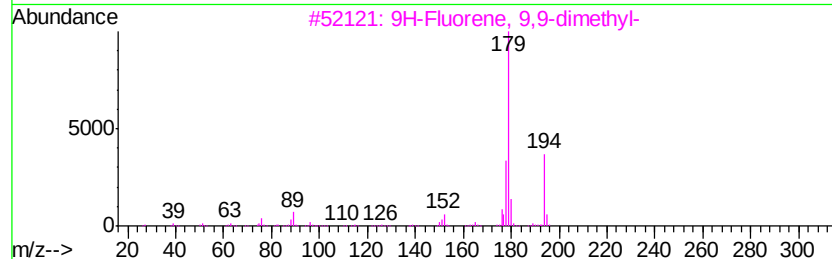
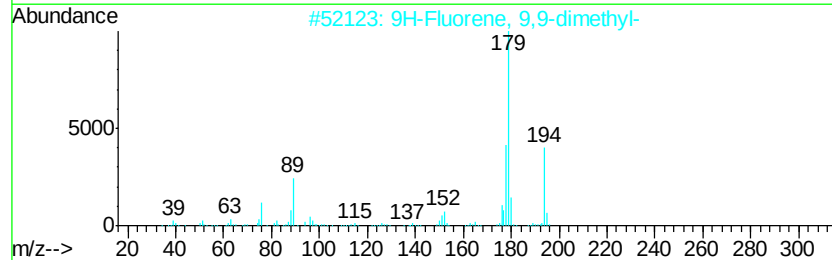
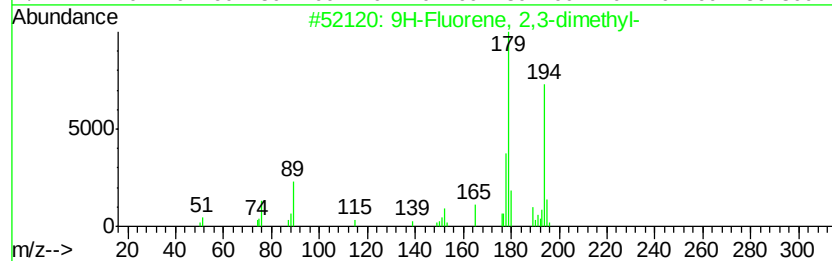
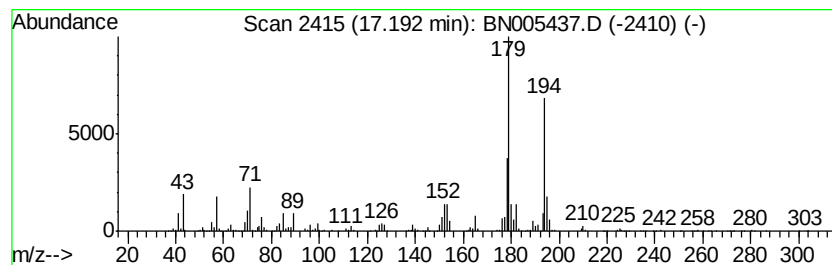
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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 49 9H-Fluorene, 2,3-dimethyl- Concentration Rank 32

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.19	20.99 ng/ul	4249920	Phenanthrene-d10	16.99

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	9H-Fluorene, 2,3-dimethyl-	194	C15H14	004612-63-9	80
2		9H-Fluorene, 9,9-dimethyl-	194	C15H14	004569-45-3	76
3		9H-Fluorene, 9,9-dimethyl-	194	C15H14	004569-45-3	72
4		Acridine	179	C13H9N	000260-94-6	55
5		Benzo[f]isoquinoline	179	C13H9N	000229-67-4	53



Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN050219\
Data File : BN005437.D
Acq On : 03 May 2019 04:13
Operator : JU/SJ
Sample : K2603-16 5X
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
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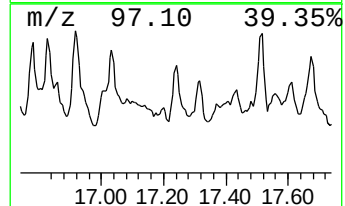
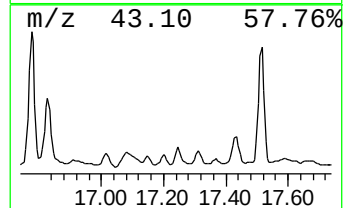
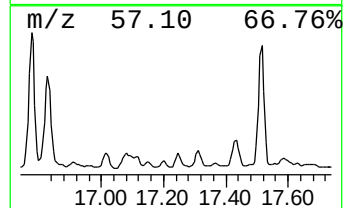
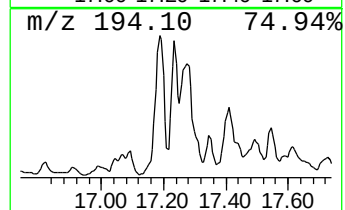
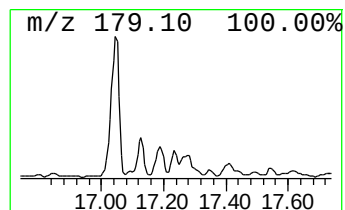
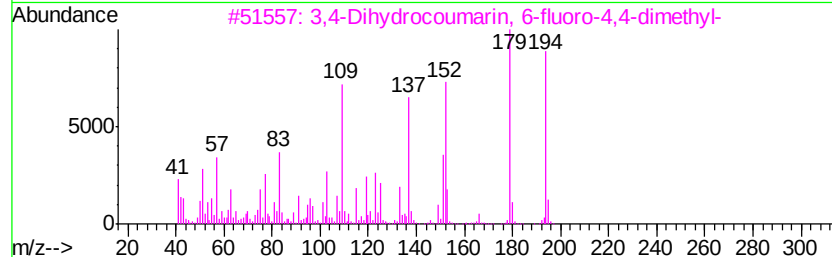
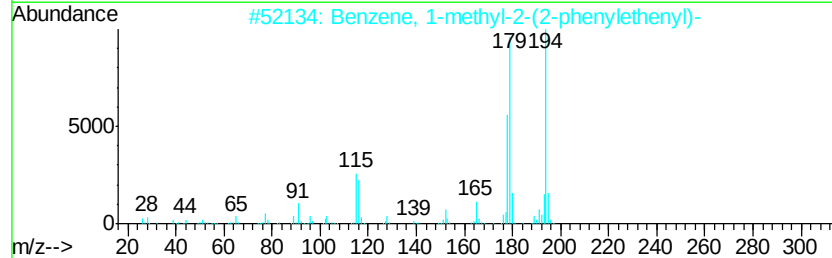
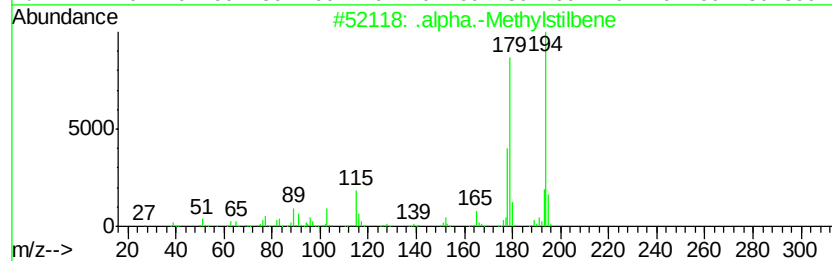
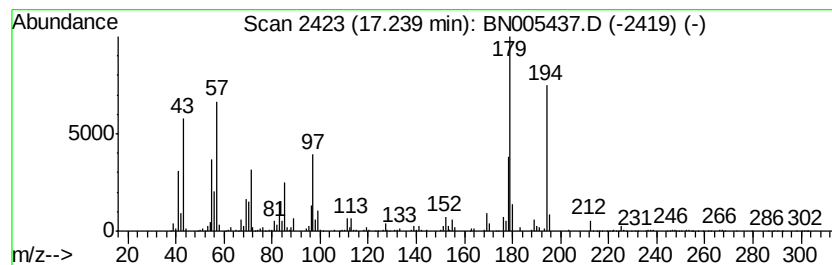
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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 50 .alpha.-Methylstilbene Concentration Rank 28

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.24	22.65 ng/ul	4585220	Phenanthrene-d10	16.99

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			.alpha.-Methylstilbene	194	C15H14	000779-51-1	58
2			Benzene, 1-methyl-2-(2-phenyleth...	194	C15H14	074685-42-0	43
3			3,4-Dihydrocoumarin, 6-fluoro-4,...	194	C11H11FO2	029423-75-4	43
4			Anthracene, 9,10-dihydro-9-butyl-	236	C18H20	010394-60-2	42
5			Anthracene, 9-(3-bromopropyl)-9,...	300	C17H17Br	063820-36-0	30



Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN050219\
Data File : BN005437.D
Acq On : 03 May 2019 04:13
Operator : JU/SJ
Sample : K2603-16 5X
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
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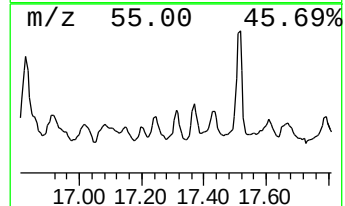
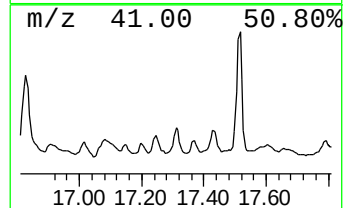
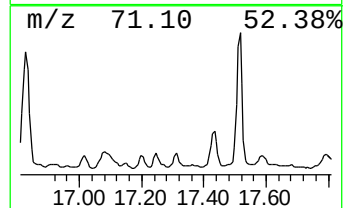
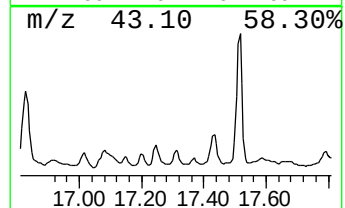
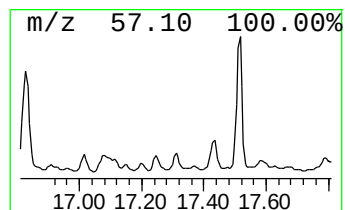
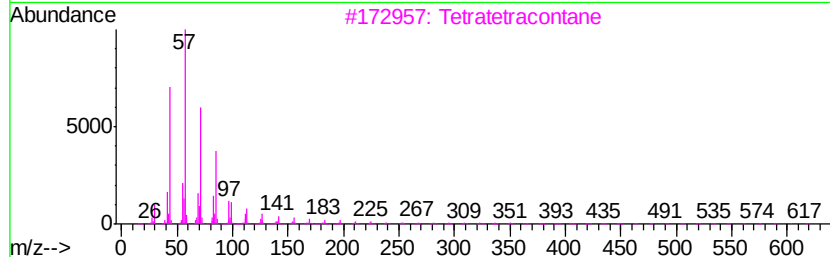
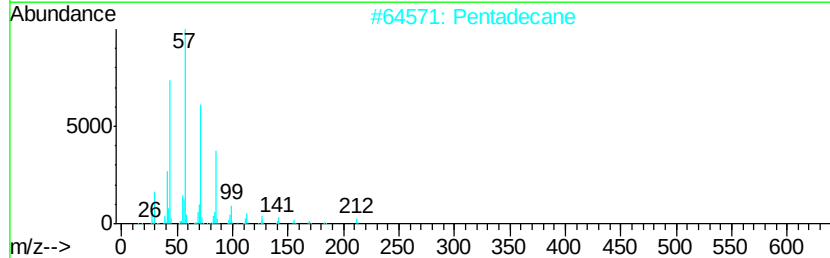
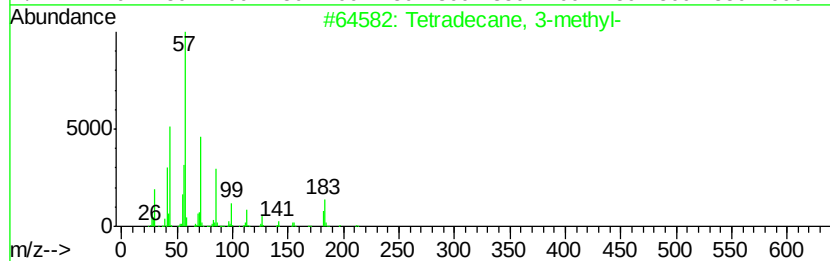
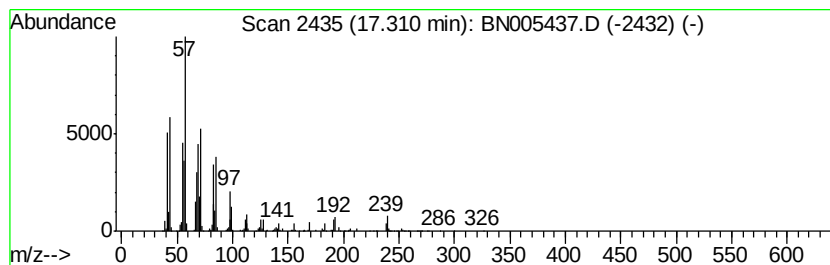
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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 51 (DEL) Alkane: Straight-Chai... Concentration Rank 43

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.31	12.81 ng/ul	2593790	Phenanthrene-d10	16.99

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Tetradecane, 3-methyl-	212	C15H32	018435-22-8	60
2		Pentadecane	212	C15H32	000629-62-9	60
3		Tetratetracontane	619	C44H90	007098-22-8	58
4		Tritetracontane	605	C43H88	007098-21-7	58
5		Tetratetracontane	619	C44H90	007098-22-8	58



Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN050219\
Data File : BN005437.D
Acq On : 03 May 2019 04:13
Operator : JU/SJ
Sample : K2603-16 5X
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
GAJ68

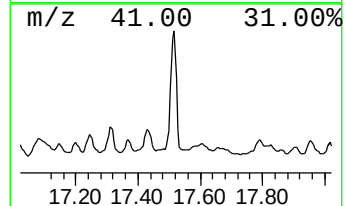
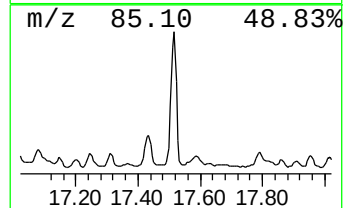
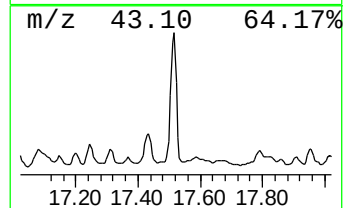
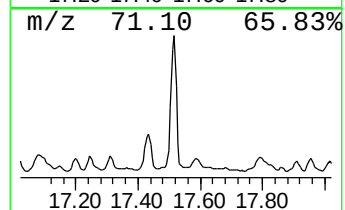
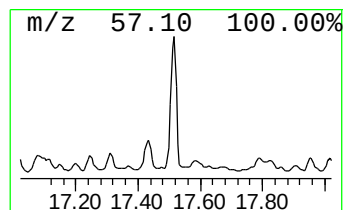
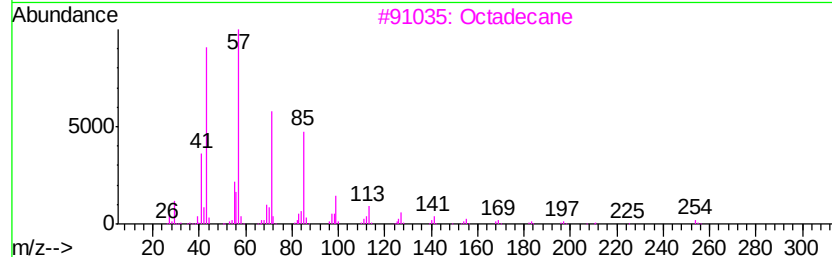
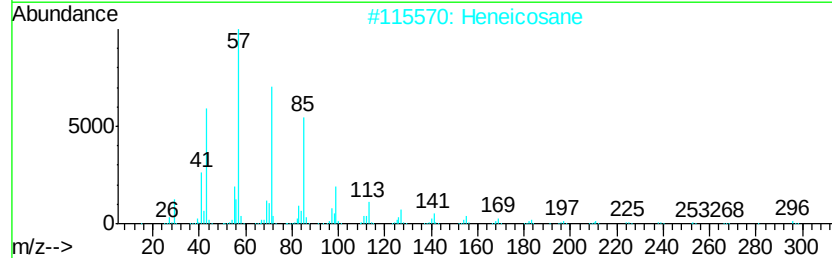
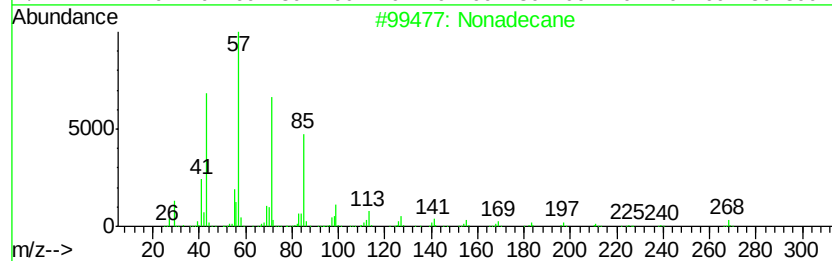
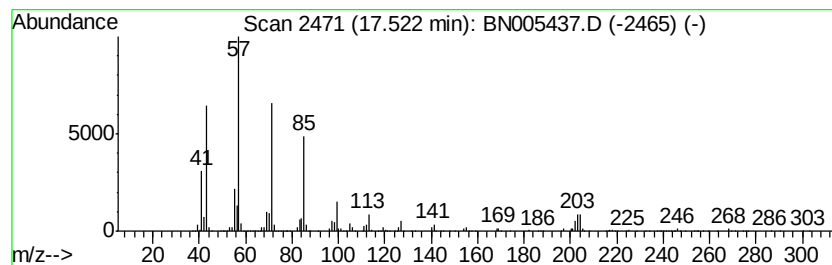
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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 52 (DEL) Alkane: Straight-Chai... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.52	67.90 ng/ul	13744900	Phenanthrene-d10	16.99

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Nonadecane	268	C19H40	000629-92-5	95
2		Heneicosane	296	C21H44	000629-94-7	76
3		Octadecane	254	C18H38	000593-45-3	74
4		Pentadecane	212	C15H32	000629-62-9	74
5		Octadecane	254	C18H38	000593-45-3	74



Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN050219\
Data File : BN005437.D
Acq On : 03 May 2019 04:13
Operator : JU/SJ
Sample : K2603-16 5X
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
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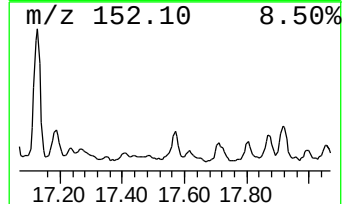
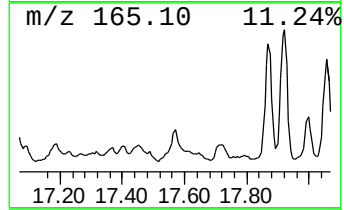
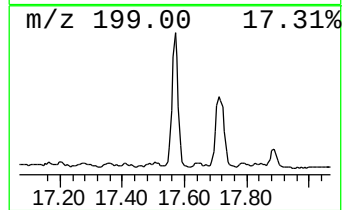
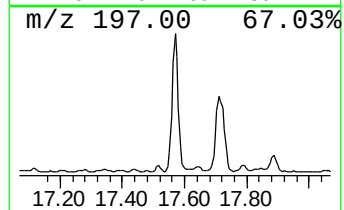
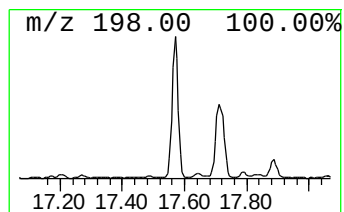
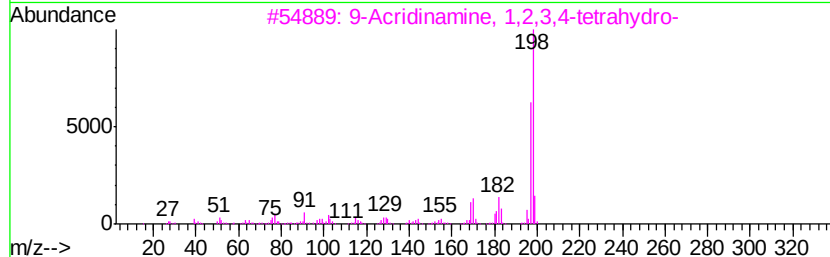
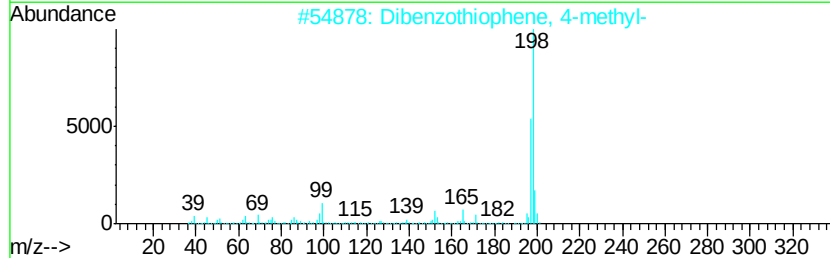
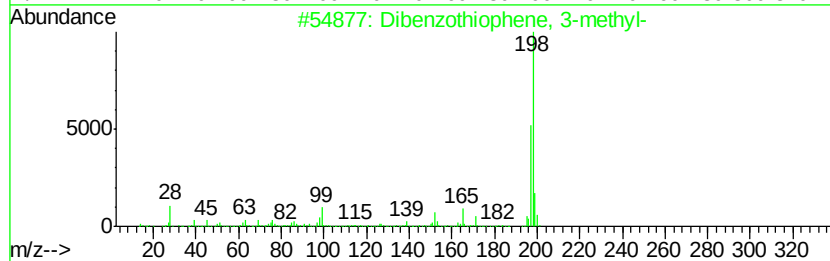
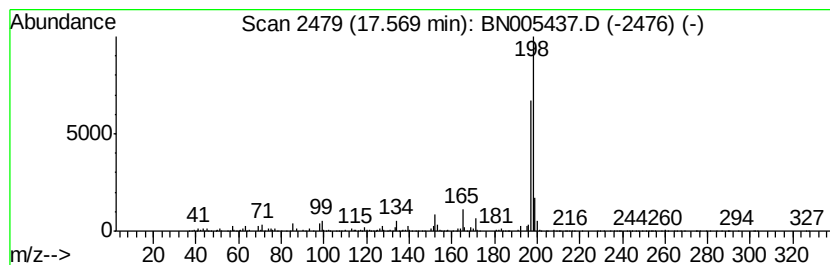
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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 53 Dibenzothiophene, 3-methyl- Concentration Rank 41

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.57	13.05 ng/ul	2642490	Phenanthrene-d10	16.99

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Dibenzothiophene, 3-methyl-	198	C13H10S	016587-52-3	94
2		Dibenzothiophene, 4-methyl-	198	C13H10S	007372-88-5	94
3		9-Acridinamine, 1,2,3,4-tetrahydro-	198	C13H14N2	000321-64-2	72
4		Benzene, 1,1'-(1-fluoro-1,2-ethe...	198	C14H11F	000671-19-2	72
5		Benzenamine, 4,4'-methylenebis-	198	C13H14N2	000101-77-9	64



Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN050219\
Data File : BN005437.D
Acq On : 03 May 2019 04:13
Operator : JU/SJ
Sample : K2603-16 5X
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
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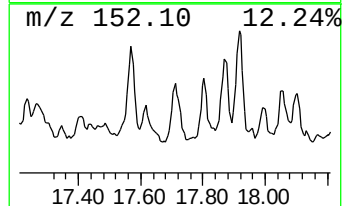
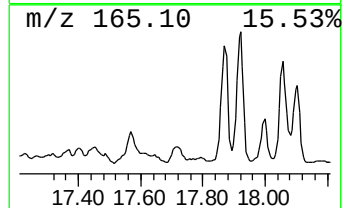
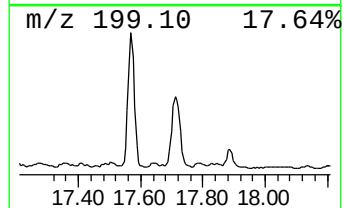
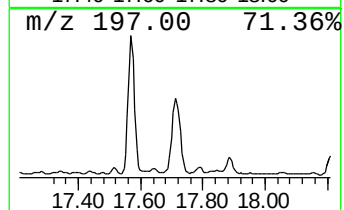
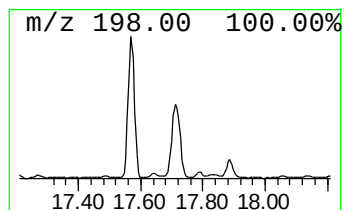
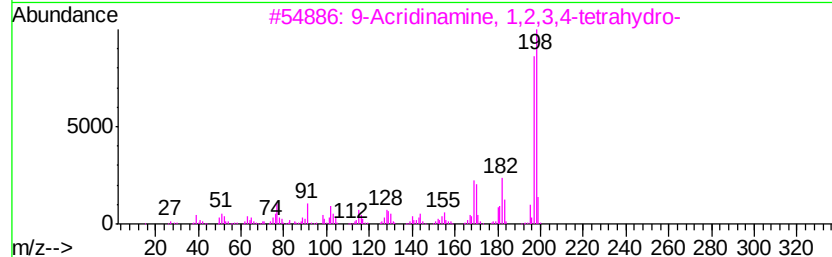
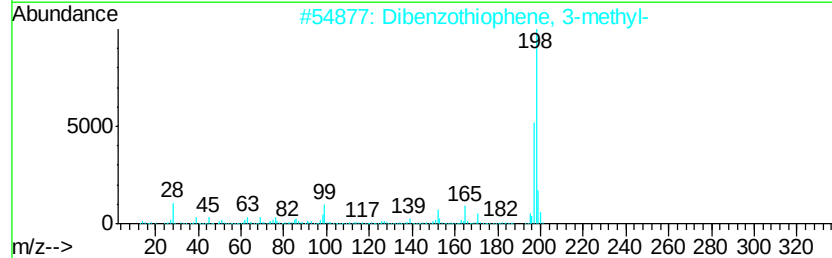
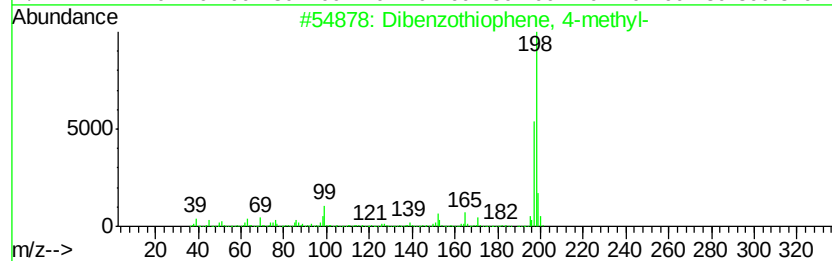
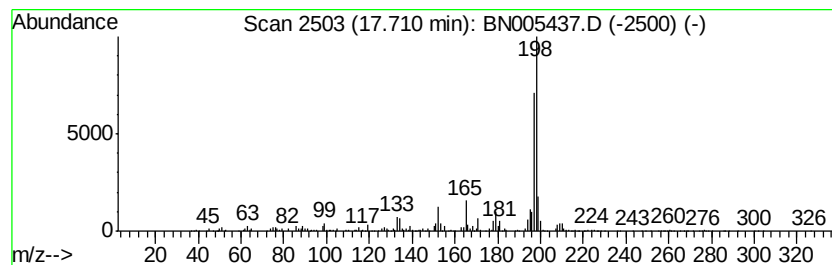
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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 54 Dibenzothiophene, 4-methyl- Concentration Rank 39

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.71	13.32 ng/ul	2696690	Phenanthrene-d10	16.99

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Dibenzothiophene, 4-methyl-	198	C13H10S	007372-88-5	91
2		Dibenzothiophene, 3-methyl-	198	C13H10S	016587-52-3	91
3		9-Acridinamine, 1,2,3,4-tetrahydro-	198	C13H14N2	000321-64-2	64
4		9-Acridinamine, 1,2,3,4-tetrahydro-	198	C13H14N2	000321-64-2	59
5		Benzenamine, 4,4'-methylenebis-	198	C13H14N2	000101-77-9	58



Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN050219\
Data File : BN005437.D
Acq On : 03 May 2019 04:13
Operator : JU/SJ
Sample : K2603-16 5X
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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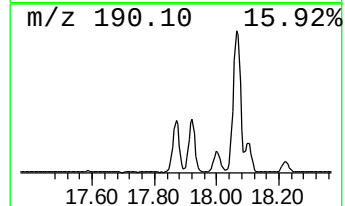
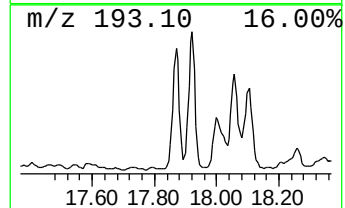
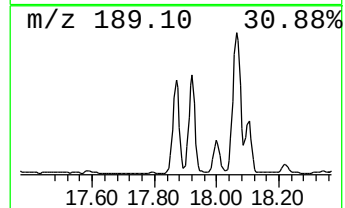
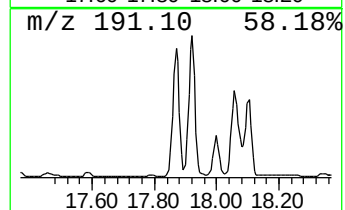
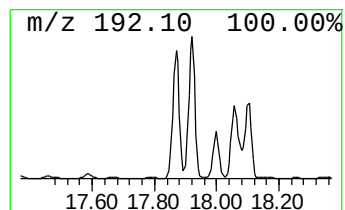
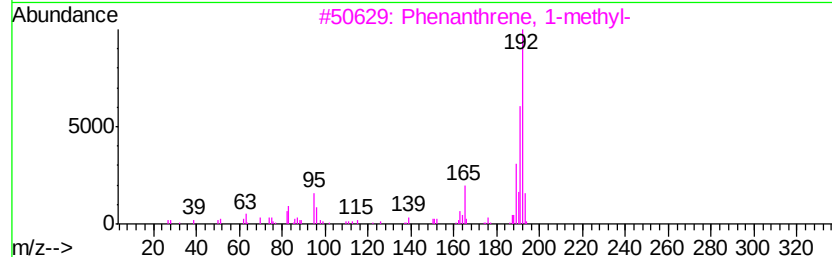
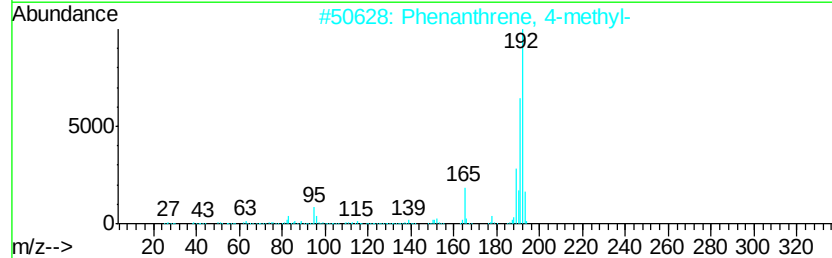
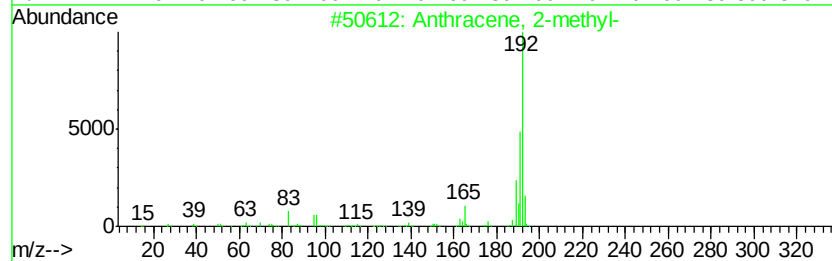
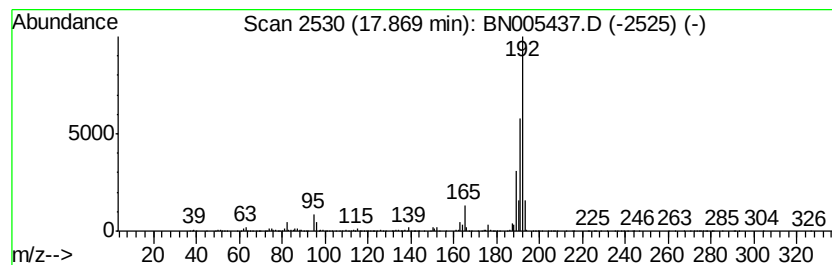
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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 55 Anthracene, 2-methyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.87	70.02 ng/ul	14174400	Phenanthrene-d10	16.99

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
2		Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	95
3		Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	94
4		Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	93
5		Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	93



Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN050219\
Data File : BN005437.D
Acq On : 03 May 2019 04:13
Operator : JU/SJ
Sample : K2603-16 5X
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
GAJ68

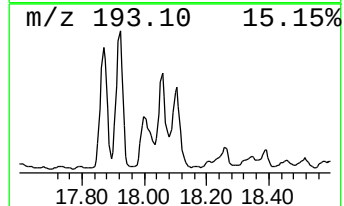
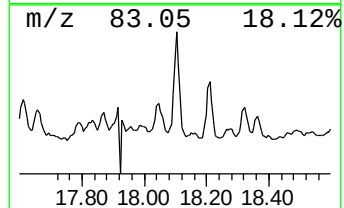
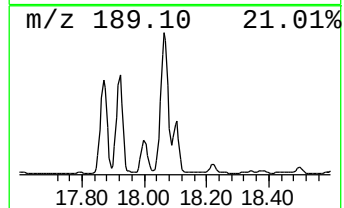
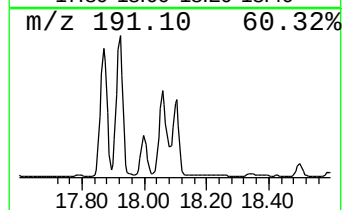
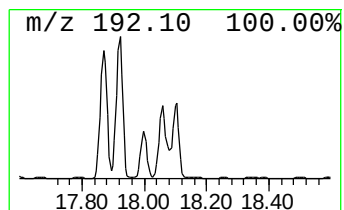
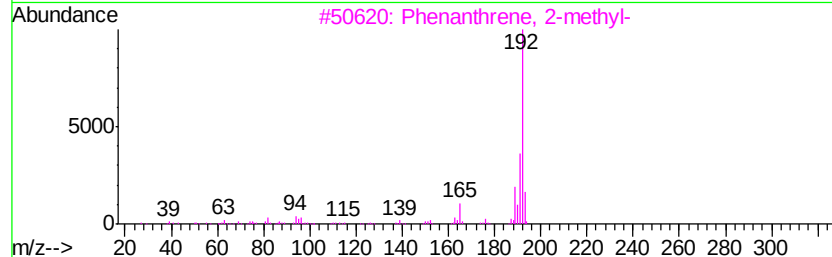
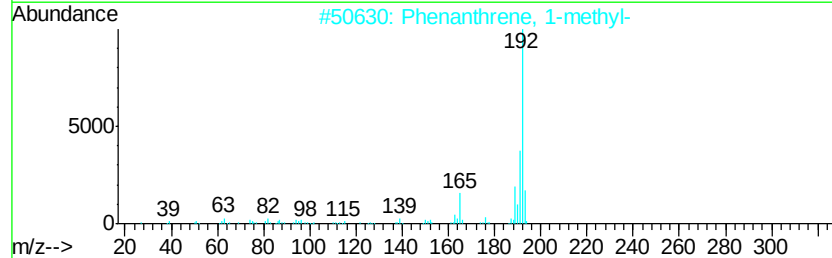
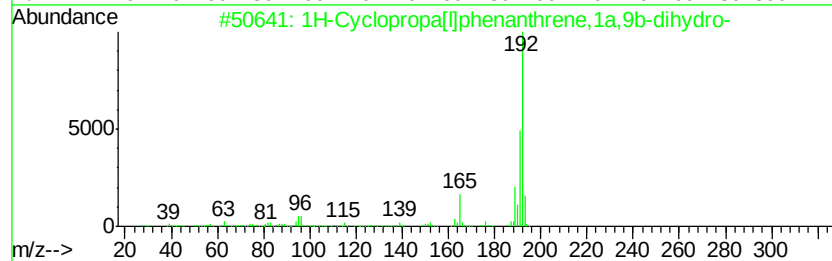
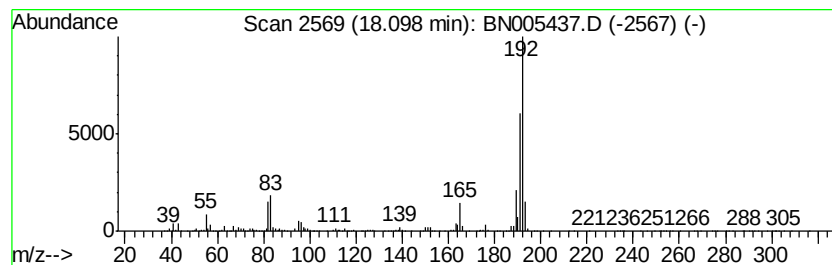
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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 59 1H-Cyclopropa[l]phenanthren... Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.10	44.17 ng/ul	8940880	Phenanthrene-d10	16.99

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	1H-Cyclopropa[l]phenanthrene, 1a, ...	192	C15H12	000949-41-7	95
2		Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	95
3		Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	95
4		Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	93
5		1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	93



Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN050219\
Data File : BN005437.D
Acq On : 03 May 2019 04:13
Operator : JU/SJ
Sample : K2603-16 5X
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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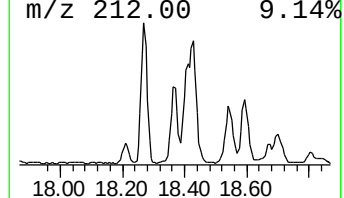
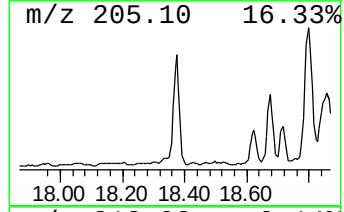
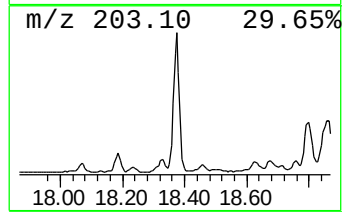
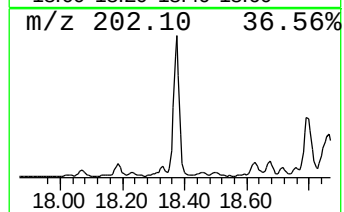
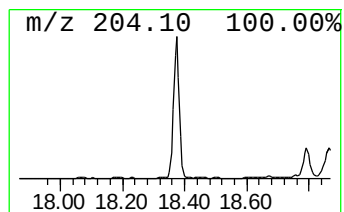
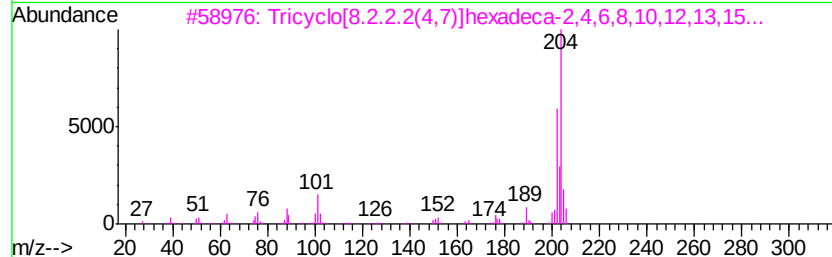
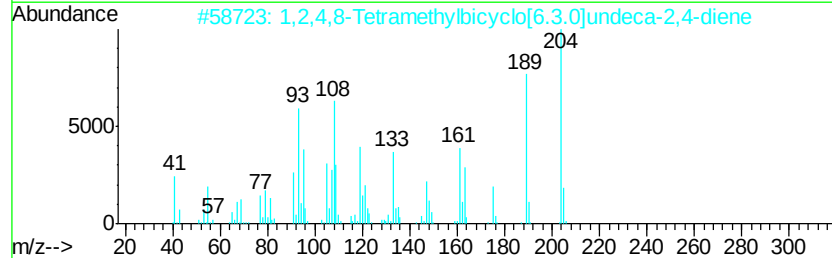
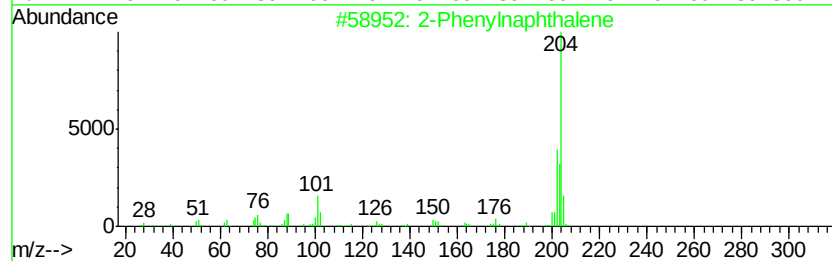
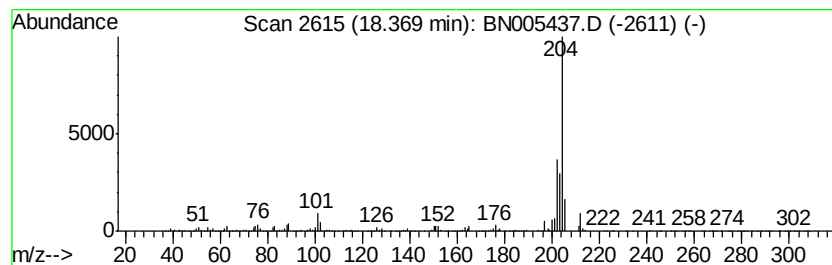
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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 61 2-Phenylnaphthalene Concentration Rank 24

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.37	27.98 ng/ul	5663830	Phenanthrene-d10	16.99

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	2-Phenylnaphthalene	204	C16H12	035465-71-5	90
2		1,2,4,8-Tetramethylbicyclo[6.3.0...]	204	C15H24	137235-51-9	86
3		Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	83
4		Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	81
5		Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	81



Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN050219\
Data File : BN005437.D
Acq On : 03 May 2019 04:13
Operator : JU/SJ
Sample : K2603-16 5X
Misc :
ALS Vial : 22 Sample Multiplier: 1

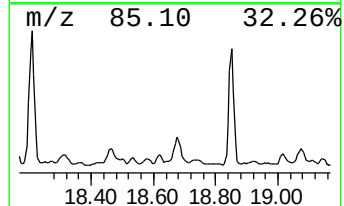
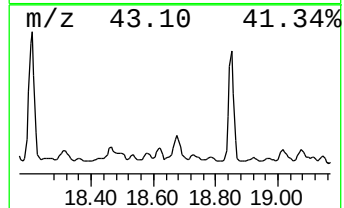
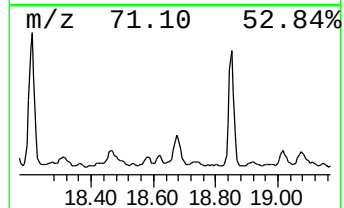
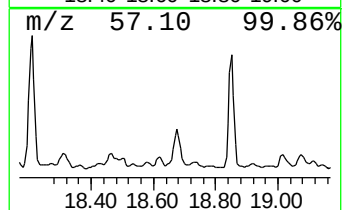
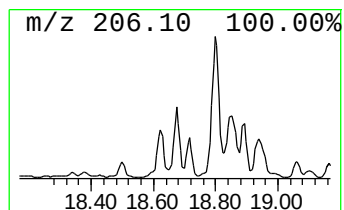
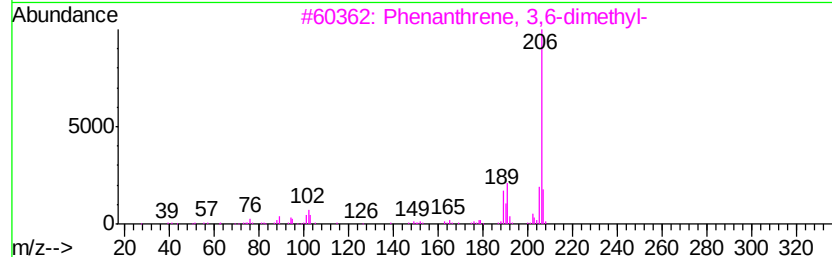
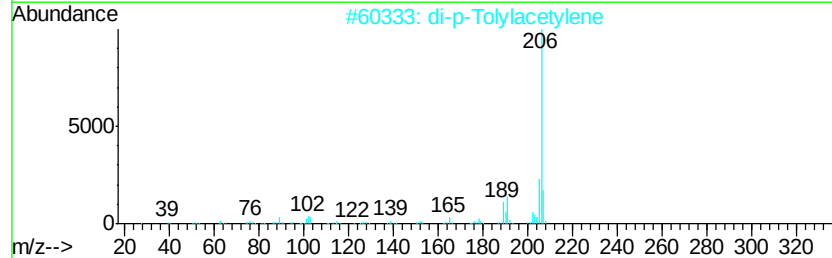
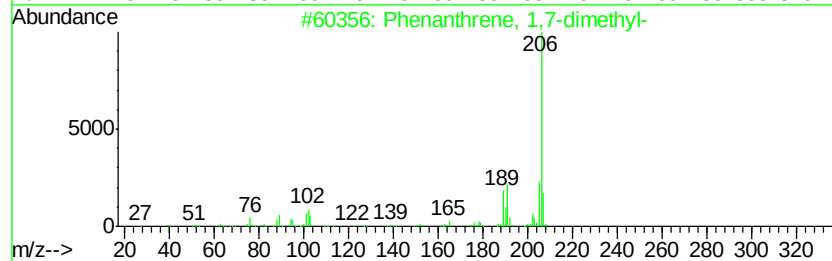
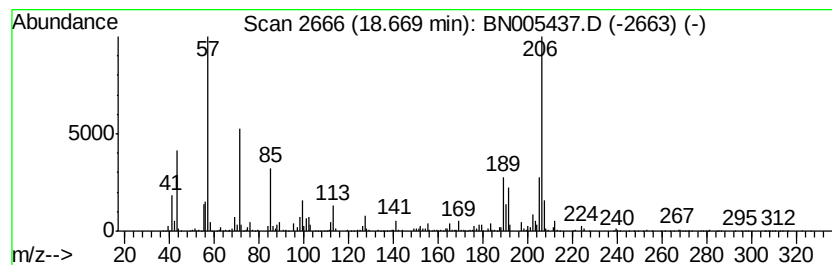
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN041919MA.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 62 Phenanthrene, 1,7-dimethyl- Concentration Rank 31

R.T.	EstConc	Area	Relative to ISTD		R.T.	
18.67	21.07 ng/ul	4265870	Phenanthrene-d10		16.99	
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	83
2		di-p-Tolylacetylene	206	C16H14	002789-88-0	78
3		Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	78
4		Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	52
5		9,10-Dimethylantracene	206	C16H14	000781-43-1	46



Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN050219\
Data File : BN005437.D
Acq On : 03 May 2019 04:13
Operator : JU/SJ
Sample : K2603-16 5X
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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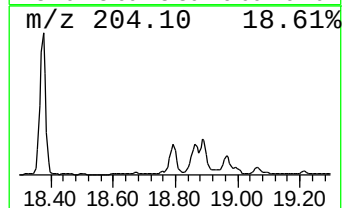
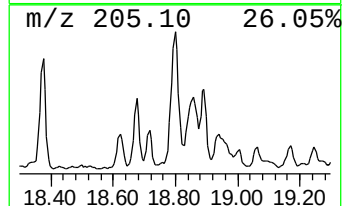
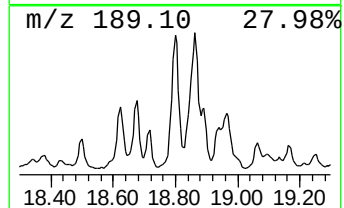
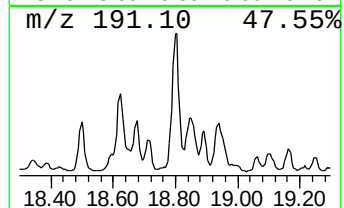
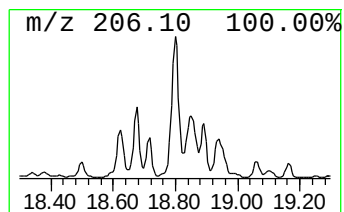
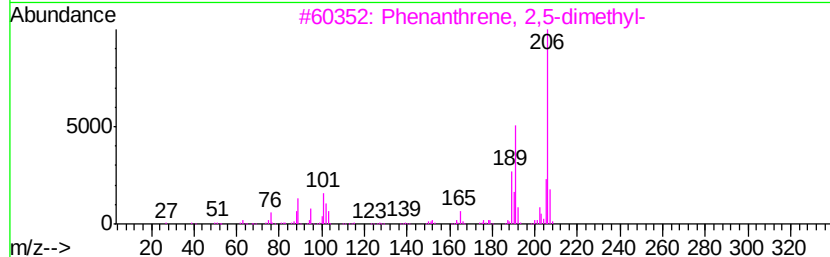
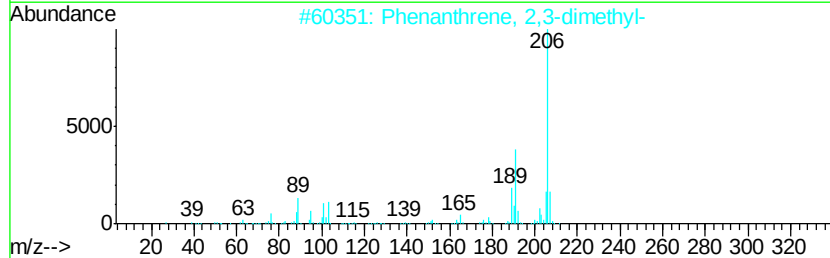
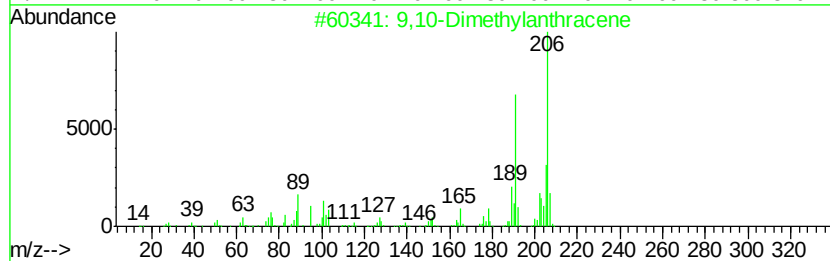
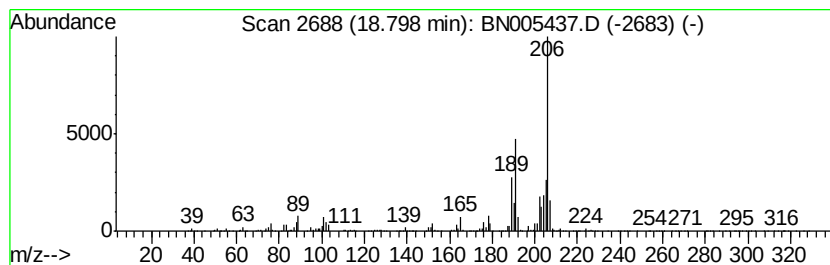
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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 63 9,10-Dimethylantracene Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.80	35.94 ng/ul	7274380	Phenanthrene-d10	16.99

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	9,10-Dimethylantracene	206	C16H14	000781-43-1	91
2		Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	83
3		Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	83
4		Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	81
5		di-p-Tolylacetylene	206	C16H14	002789-88-0	81



Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN050219\
Data File : BN005437.D
Acq On : 03 May 2019 04:13
Operator : JU/SJ
Sample : K2603-16 5X
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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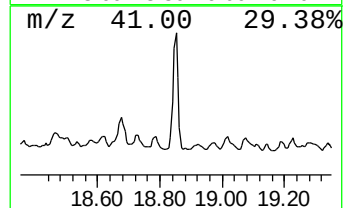
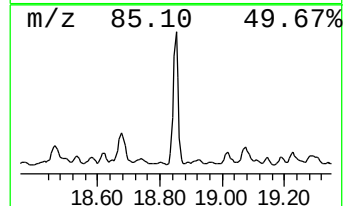
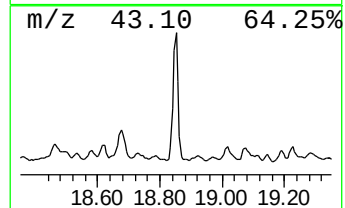
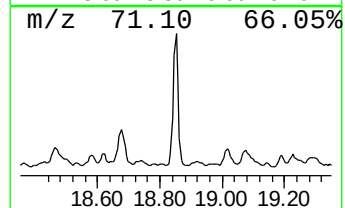
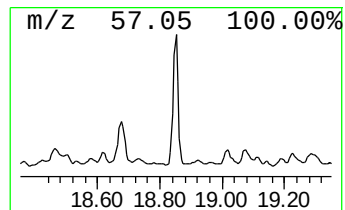
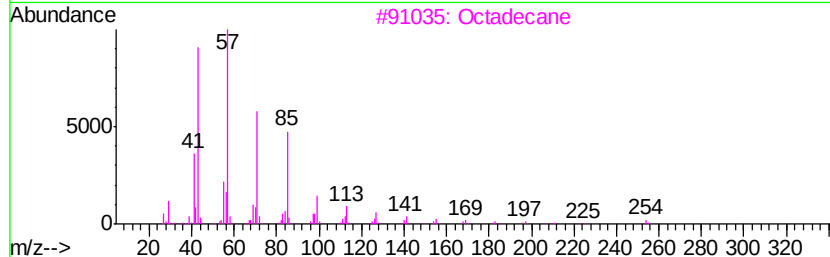
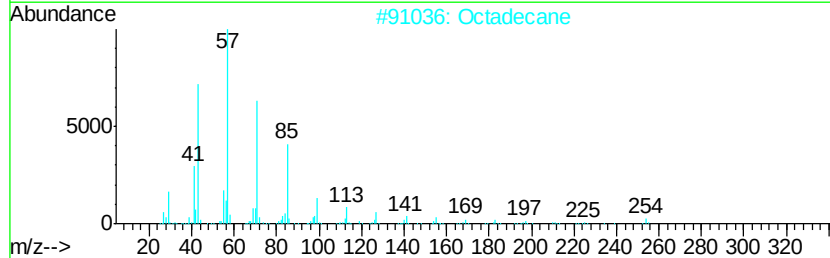
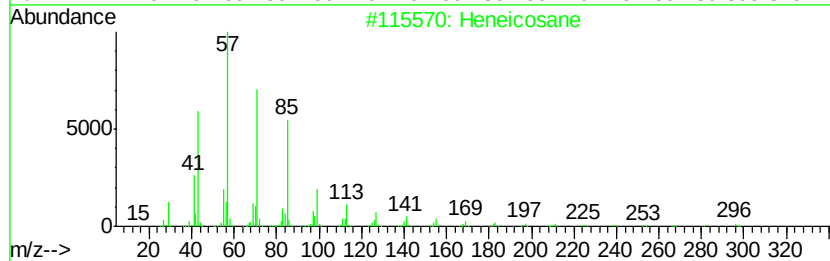
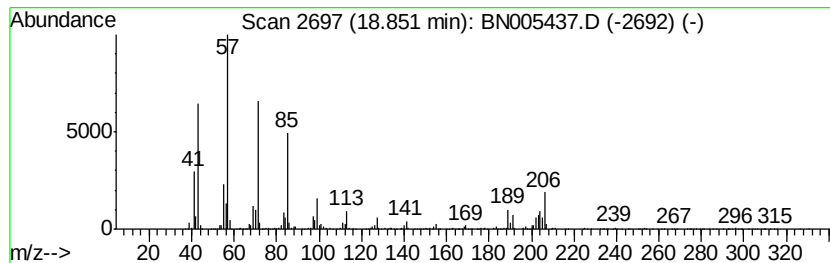
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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 64 (DEL) Alkane: Straight-Chai... Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.85	61.60 ng/ul	12470500	Phenanthrene-d10	16.99

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Heneicosane	296	C21H44	000629-94-7	97
2		Octadecane	254	C18H38	000593-45-3	76
3		Octadecane	254	C18H38	000593-45-3	68
4		Heptadecane	240	C17H36	000629-78-7	68
5		Hexadecane	226	C16H34	000544-76-3	68



Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN050219\
Data File : BN005437.D
Acq On : 03 May 2019 04:13
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Misc :
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ClientSampleId :
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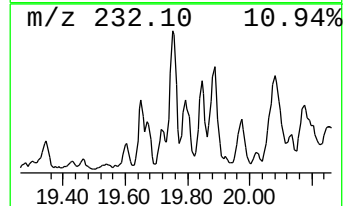
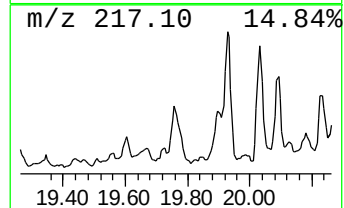
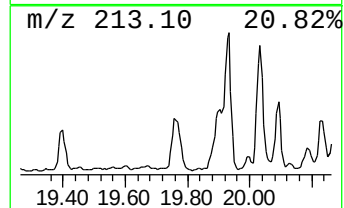
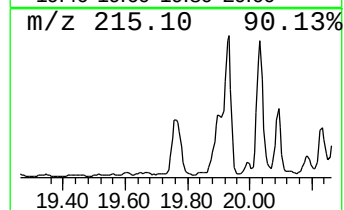
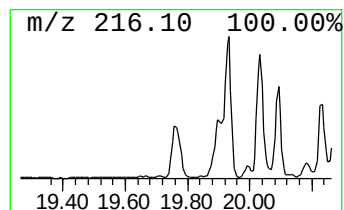
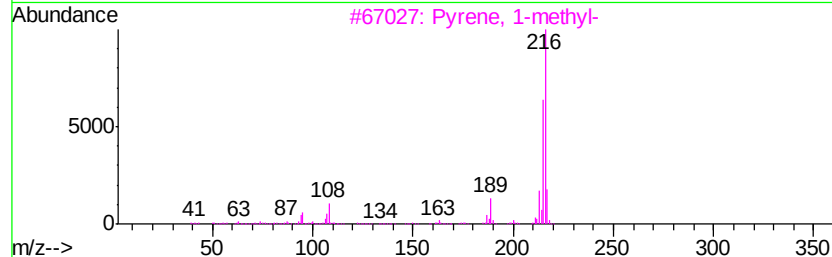
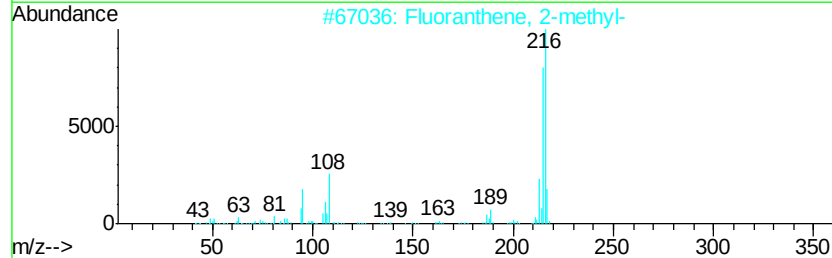
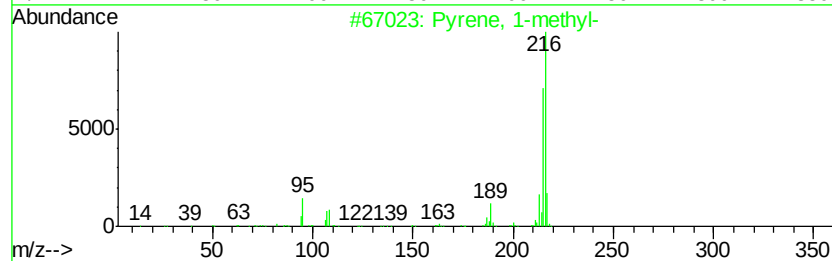
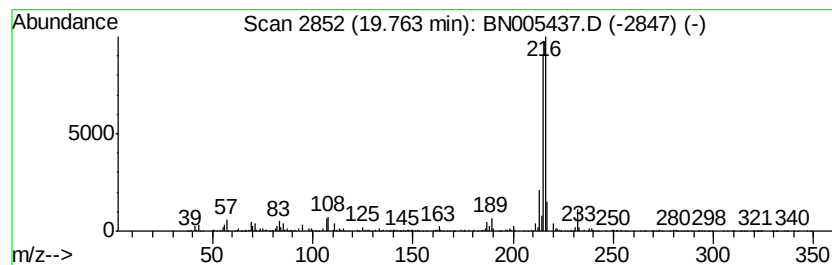
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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 66 Pyrene, 1-methyl- Concentration Rank 52

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.76	7.63 ng/ul	4449270	Chrysene-d12	21.21

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Pyrene, 1-methyl-	216	C17H12	002381-21-7	91
2		Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	89
3		Pyrene, 1-methyl-	216	C17H12	002381-21-7	78
4		11H-Benzo[a]fluorene	216	C17H12	000238-84-6	76
5		11H-Benzo[b]fluorene	216	C17H12	000243-17-4	74



Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN050219\
Data File : BN005437.D
Acq On : 03 May 2019 04:13
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Sample : K2603-16 5X
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
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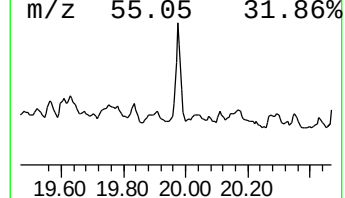
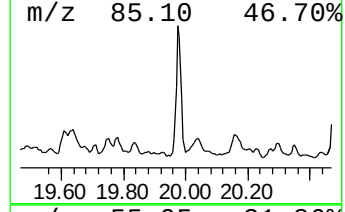
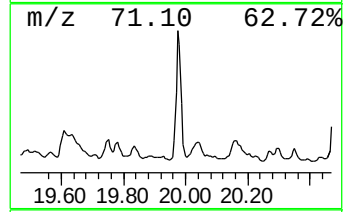
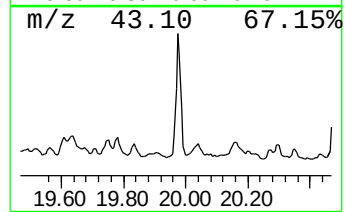
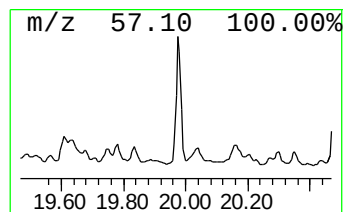
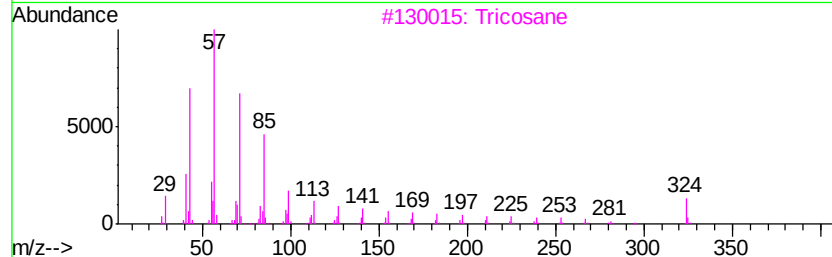
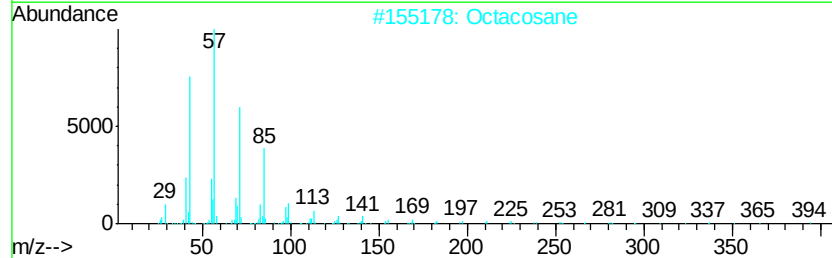
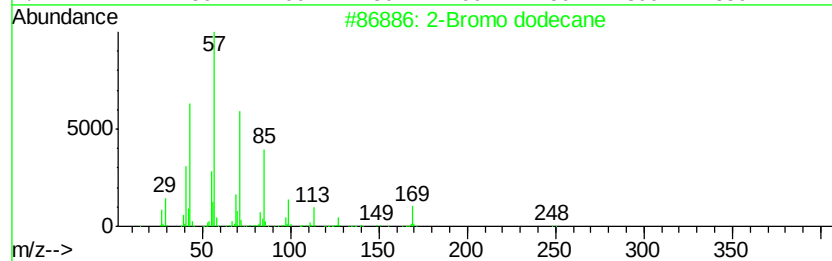
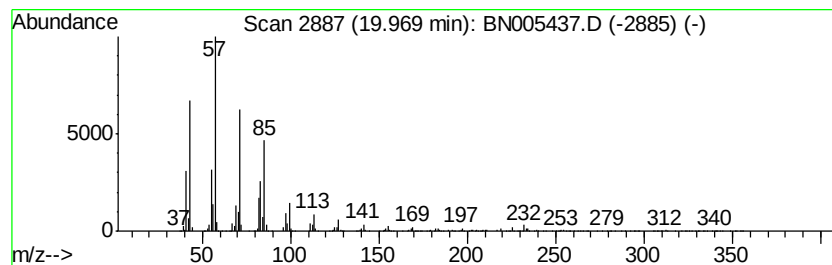
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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 68 2-Bromo dodecane Concentration Rank 48

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.97	8.93 ng/ul	5203140	Chrysene-d12	21.21

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	2-Bromo dodecane	248	C12H25Br	013187-99-0	94
2		Octacosane	394	C28H58	000630-02-4	91
3		Tricosane	324	C23H48	000638-67-5	91
4		Heneicosane	296	C21H44	000629-94-7	90
5		Eicosane	282	C20H42	000112-95-8	90



Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN050219\
 Data File : BN005437.D
 Acq On : 03 May 2019 04:13
 Operator : JU/SJ
 Sample : K2603-16 5X
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 GAJ68

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN041919MA.M
 Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
 TIC Integration Parameters: LSCINT.P

TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--			
					#	RT	Resp	Conc
Benzene, 1-etheny...	7.25	77.3	ng/ul	12168700	1	7.59	3146280	20.0
Indene	8.12	103.7	ng/ul	16315000	1	7.59	3146280	20.0
Benzene, 1-ethyl-...	8.68	23.1	ng/ul	3633150	1	7.59	3146280	20.0
(DEL) Alkane: Str...	8.82	49.8	ng/ul	7834850	1	7.59	3146280	20.0
Benzene, 1,2,4,5-...	9.26	3.3	ng/ul	3490910	2	10.36	21295900	20.0
1H-Indene, 1-methyl-	9.79	13.2	ng/ul	14072600	2	10.36	21295900	20.0
Benzene, 1-methyl...	9.90	3.6	ng/ul	3820420	2	10.36	21295900	20.0
1,4-Dihydronaphth...	10.06	2.2	ng/ul	2385140	2	10.36	21295900	20.0
(DEL) Alkane: Str...	10.53	6.3	ng/ul	6686020	2	10.36	21295900	20.0
(DEL) Alkane: Cyc...	11.06	2.6	ng/ul	2770250	2	10.36	21295900	20.0
(DEL) Alkane: Str...	11.20	2.6	ng/ul	2776110	2	10.36	21295900	20.0
(DEL) Alkane: Str...	11.29	5.0	ng/ul	5349610	2	10.36	21295900	20.0
(DEL) Alkane: Str...	11.40	12.9	ng/ul	13690400	2	10.36	21295900	20.0
1H-Indene, 4,7-di...	11.55	4.6	ng/ul	4873830	2	10.36	21295900	20.0
(DEL) Alkane: Str...	11.82	22.6	ng/ul	24084700	2	10.36	21295900	20.0
Naphthalene, 1-me...	12.27	44.9	ng/ul	47810000	2	10.36	21295900	20.0
(DEL) Alkane: Cyc...	12.50	8.2	ng/ul	6331490	3	14.23	15470300	20.0
(DEL) Alkane: Str...	12.56	3.3	ng/ul	2575060	3	14.23	15470300	20.0
(DEL) Alkane: Str...	12.63	6.8	ng/ul	5275130	3	14.23	15470300	20.0
(DEL) Alkane: Str...	12.72	5.4	ng/ul	4185110	3	14.23	15470300	20.0
(DEL) Alkane: Str...	12.78	11.0	ng/ul	8528530	3	14.23	15470300	20.0
unknown-01	13.16	3.0	ng/ul	2295240	3	14.23	15470300	20.0
Naphthalene, 1-et...	13.26	33.8	ng/ul	26152300	3	14.23	15470300	20.0
Naphthalene, 1,6-...	13.56	46.6	ng/ul	36078900	3	14.23	15470300	20.0
Naphthalene, 1,5-...	13.80	21.7	ng/ul	16780600	3	14.23	15470300	20.0
(DEL) Alkane: Str...	14.16	35.2	ng/ul	27215700	3	14.23	15470300	20.0
Naphthalene, 2,3,...	14.72	11.7	ng/ul	9021800	3	14.23	15470300	20.0
(DEL) Alkane: Str...	14.78	11.9	ng/ul	9209280	3	14.23	15470300	20.0
unknown-02	14.85	19.6	ng/ul	15143300	3	14.23	15470300	20.0
Naphthalene, 1,6,...	14.92	8.3	ng/ul	6385810	3	14.23	15470300	20.0
Naphthalene, 1,4,...	15.02	6.4	ng/ul	4924010	3	14.23	15470300	20.0
(DEL) Alkane: Str...	15.12	30.4	ng/ul	23495600	3	14.23	15470300	20.0
Dibenzofuran, 4-m...	15.59	5.5	ng/ul	4273990	3	14.23	15470300	20.0
(DEL) Alkane: Cyc...	15.67	20.9	ng/ul	4220600	4	16.99	4048570	20.0
(DEL) Alkane: Str...	16.01	62.5	ng/ul	12659800	4	16.99	4048570	20.0
9H-Fluorene, 1-me...	16.29	42.6	ng/ul	8623050	4	16.99	4048570	20.0
(DEL) Alkane: Str...	16.77	77.7	ng/ul	15718100	4	16.99	4048570	20.0
9H-Fluorene, 2,3-...	17.19	21.0	ng/ul	4249920	4	16.99	4048570	20.0
.alpha.-Methylsti...	17.24	22.6	ng/ul	4585220	4	16.99	4048570	20.0
(DEL) Alkane: Str...	17.31	12.8	ng/ul	2593790	4	16.99	4048570	20.0
(DEL) Alkane: Str...	17.52	67.9	ng/ul	13744900	4	16.99	4048570	20.0
Dibenzothiophene,...	17.57	13.1	ng/ul	2642490	4	16.99	4048570	20.0
Dibenzothiophene,...	17.71	13.3	ng/ul	2696690	4	16.99	4048570	20.0
Anthracene, 2-met...	17.87	70.0	ng/ul	14174400	4	16.99	4048570	20.0
1H-Cyclopropa[l]p...	18.10	44.2	ng/ul	8940880	4	16.99	4048570	20.0
2-Phenylanthracene	18.37	28.0	ng/ul	5663830	4	16.99	4048570	20.0
Phenanthrene, 1,7...	18.67	21.1	ng/ul	4265870	4	16.99	4048570	20.0
9,10-Dimethylanthe...	18.80	35.9	ng/ul	7274380	4	16.99	4048570	20.0
(DEL) Alkane: Str...	18.85	61.6	ng/ul	12470500	4	16.99	4048570	20.0

Pyrene, 1-methyl-	19.76	7.6 ng/ul	4449270	5	21.21	11658900	20.0
2-Bromo dodecane	19.97	8.9 ng/ul	5203140	5	21.21	11658900	20.0

Instrument :

BNA_N

ClientSampleId :

GAJ68