

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN050819\
 Data File : BN005547.D
 Acq On : 09 May 2019 00:02
 Operator : JU/SJ
 Sample : K2604-13 5X
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 GAJ87

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	5.164	362	370	378	rVV	2513908	3707714	5.55%	0.460%
2	5.287	386	391	409	rVB	1158935	2491910	3.73%	0.309%
3	5.652	446	453	462	rVB2	1314117	2211594	3.31%	0.275%
4	6.752	635	640	648	rVV3	1194150	2508023	3.75%	0.311%
5	7.228	715	721	722	rBV	3366933	4466910	6.69%	0.555%
6	7.575	774	780	786	rBV2	1789241	3477016	5.20%	0.432%
7	7.699	797	801	809	rVV2	1029082	1813555	2.71%	0.225%
8	7.869	823	830	837	rBV3	963561	2258843	3.38%	0.280%
9	8.116	862	872	879	rBV	8016056	13946496	20.87%	1.731%
10	8.681	958	968	974	rBV2	2161751	4931196	7.38%	0.612%
11	8.816	986	991	999	rVB	8395586	13147038	19.68%	1.632%
12	9.493	1102	1106	1111	rBV2	1716333	2971952	4.45%	0.369%
13	9.540	1111	1114	1123	rVB6	1429625	3170488	4.74%	0.394%
14	9.634	1123	1130	1137	rVB3	1733148	4523029	6.77%	0.561%
15	9.722	1140	1145	1148	rBV	1977995	2907755	4.35%	0.361%
16	9.769	1148	1153	1155	rBV2	2479339	4185980	6.26%	0.520%
17	9.910	1173	1177	1181	rBV3	1309130	1838798	2.75%	0.228%
18	10.063	1199	1203	1212	rBV2	826552	1686507	2.52%	0.209%
19	10.269	1235	1238	1244	rVV4	1623291	3458392	5.18%	0.429%
20	10.352	1245	1252	1256	rVV3	13394894	24348924	36.44%	3.023%
21	10.434	1256	1266	1270	rVV2	27692321	66818434	100.00%	8.295%
22	10.475	1270	1273	1278	rVV3	2304426	4226110	6.32%	0.525%
23	10.534	1278	1283	1288	rVV	7608755	11934072	17.86%	1.482%
24	10.587	1288	1292	1299	rVV4	1219242	2718964	4.07%	0.338%
25	10.652	1300	1303	1310	rVB6	1081095	1819798	2.72%	0.226%
26	11.063	1369	1373	1377	rVB2	2645945	3741980	5.60%	0.465%
27	11.205	1393	1397	1402	rVB2	2115681	3288014	4.92%	0.408%
28	11.287	1408	1411	1416	rVB2	3325606	5023416	7.52%	0.624%
29	11.399	1424	1430	1437	rBV2	7420980	13842129	20.72%	1.718%
30	11.805	1492	1499	1506	rBV2	7880046	14084050	21.08%	1.748%
31	12.040	1532	1539	1545	rVB	21400901	42571270	63.71%	5.285%
32	12.257	1569	1576	1584	rVB	13277107	23953259	35.85%	2.974%
33	12.493	1612	1616	1622	rVB4	3281684	6252154	9.36%	0.776%
34	12.557	1623	1627	1634	rVB3	2267428	3952806	5.92%	0.491%

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35	12.628	1635	1639	1649	rVB	3238398	5652804	8.46%	0.702%
36	12.716	1650	1654	1659	rBV3	2084392	3878251	5.80%	0.481%
37	12.775	1659	1664	1668	rVB	6924362	9470111	14.17%	1.176%
38	13.063	1705	1713	1721	rBV3	7027784	17277107	25.86%	2.145%
39	13.157	1726	1729	1733	rVB3	1273221	1652720	2.47%	0.205%
40	13.257	1742	1746	1761	rVB	6633492	13107084	19.62%	1.627%
41	13.551	1790	1796	1801	rBV	7156054	13029342	19.50%	1.617%
42	13.604	1801	1805	1809	rVB	6169458	8367961	12.52%	1.039%
43	13.734	1823	1827	1830	rVB3	5700356	8306156	12.43%	1.031%
44	13.781	1830	1835	1839	rBV2	3666981	6598161	9.87%	0.819%
45	13.946	1860	1863	1870	rVB3	3965951	5985646	8.96%	0.743%
46	14.151	1893	1898	1902	rBV	4643884	6208565	9.29%	0.771%
47	14.216	1904	1909	1916	rVV4	4132596	9356558	14.00%	1.162%
48	14.299	1917	1923	1931	rVB	13803608	23823095	35.65%	2.957%
49	14.440	1943	1947	1958	rVB	1861068	5178683	7.75%	0.643%
50	14.710	1989	1993	1997	rVV	3432170	4119821	6.17%	0.511%
51	14.769	2000	2003	2009	rVB	3766215	5208979	7.80%	0.647%
52	14.840	2011	2015	2022	rBV2	2634659	5098719	7.63%	0.633%
53	14.904	2023	2026	2030	rVB	1913832	2488258	3.72%	0.309%
54	15.010	2040	2044	2045	rBV2	1235976	1746639	2.61%	0.217%
55	15.104	2056	2060	2064	rVB	4753019	5735180	8.58%	0.712%
56	15.287	2086	2091	2095	rBV	8671609	12716218	19.03%	1.579%
57	15.510	2122	2129	2134	rVB3	5004260	10184318	15.24%	1.264%
58	15.698	2157	2161	2164	rVV	1919978	2974976	4.45%	0.369%
59	15.969	2202	2207	2208	rBV2	3083283	3824027	5.72%	0.475%
60	15.998	2208	2212	2220	rVB	7217778	10878217	16.28%	1.350%
61	16.287	2255	2261	2266	rBV3	1813937	4334167	6.49%	0.538%
62	16.434	2283	2286	2291	rVB2	1253626	1737433	2.60%	0.216%
63	16.810	2344	2350	2362	rVB2	4481543	10465715	15.66%	1.299%
64	16.981	2375	2379	2382	rBV	2505247	3897842	5.83%	0.484%
65	17.040	2382	2389	2394	rVV	25023389	42598373	63.75%	5.288%
66	17.122	2398	2403	2408	rVB	8641782	12473767	18.67%	1.548%
67	17.504	2464	2468	2473	rVV	1989522	2456671	3.68%	0.305%
68	17.563	2474	2478	2489	rVB2	1795050	3484579	5.21%	0.433%
69	17.863	2524	2529	2533	rBV	5840907	8366514	12.52%	1.039%
70	17.910	2533	2537	2542	rVB	6721378	8753465	13.10%	1.087%
71	17.992	2547	2551	2556	rVV	2712488	4018259	6.01%	0.499%

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72	18.057	2556	2562	2566	rVV2	8264712	15528358	23.24%	1.928%
73	18.092	2566	2568	2574	rVB	4353458	5239833	7.84%	0.650%
74	18.363	2610	2614	2619	rBV	3304660	4626704	6.92%	0.574%
75	18.792	2682	2687	2691	rBV2	3254798	5382808	8.06%	0.668%
76	18.851	2692	2697	2700	rVV3	1962357	4040637	6.05%	0.502%
77	18.886	2700	2703	2707	rVB	1603157	1931468	2.89%	0.240%
78	19.063	2727	2733	2739	rBV	14820905	21287924	31.86%	2.643%
79	19.210	2753	2758	2763	rVB	5611062	7496251	11.22%	0.931%
80	19.434	2785	2796	2803	rBV	18472365	31317200	46.87%	3.888%
81	19.757	2846	2851	2860	rVB	1741428	3702836	5.54%	0.460%
82	19.898	2869	2875	2876	rBV4	1780764	2971325	4.45%	0.369%
83	19.928	2877	2880	2884	rVB	4634567	5728281	8.57%	0.711%
84	20.028	2893	2897	2902	rBV	3964769	5118828	7.66%	0.635%
85	20.086	2903	2907	2911	rBV	2532419	3085969	4.62%	0.383%
86	20.228	2927	2931	2935	rVV	1876143	2640179	3.95%	0.328%
87	20.275	2935	2939	2948	rVB	3169371	4822192	7.22%	0.599%
88	20.851	3033	3037	3040	rVV	1341399	1715908	2.57%	0.213%
89	20.886	3040	3043	3046	rVV	1757217	1896807	2.84%	0.235%
90	21.198	3090	3096	3101	rBV3	10132206	18602727	27.84%	2.309%
91	21.245	3101	3104	3110	rVB	7200096	9146118	13.69%	1.135%
92	21.757	3188	3191	3196	rVV2	2032959	3052124	4.57%	0.379%
93	21.980	3226	3229	3236	rVB2	1486220	1998077	2.99%	0.248%
94	22.763	3355	3362	3366	rBV2	2948725	7244325	10.84%	0.899%
95	22.922	3384	3389	3396	rVB	1139452	2012943	3.01%	0.250%
96	23.216	3434	3439	3445	rBV	2257443	4001544	5.99%	0.497%
97	23.316	3450	3456	3462	rVB	4590759	7834546	11.73%	0.973%
98	23.404	3466	3471	3476	rBV	1578240	2627556	3.93%	0.326%
99	25.586	3835	3842	3853	rVB	1343260	3727541	5.58%	0.463%
100	26.251	3949	3955	3966	rVB2	1064361	3024886	4.53%	0.376%

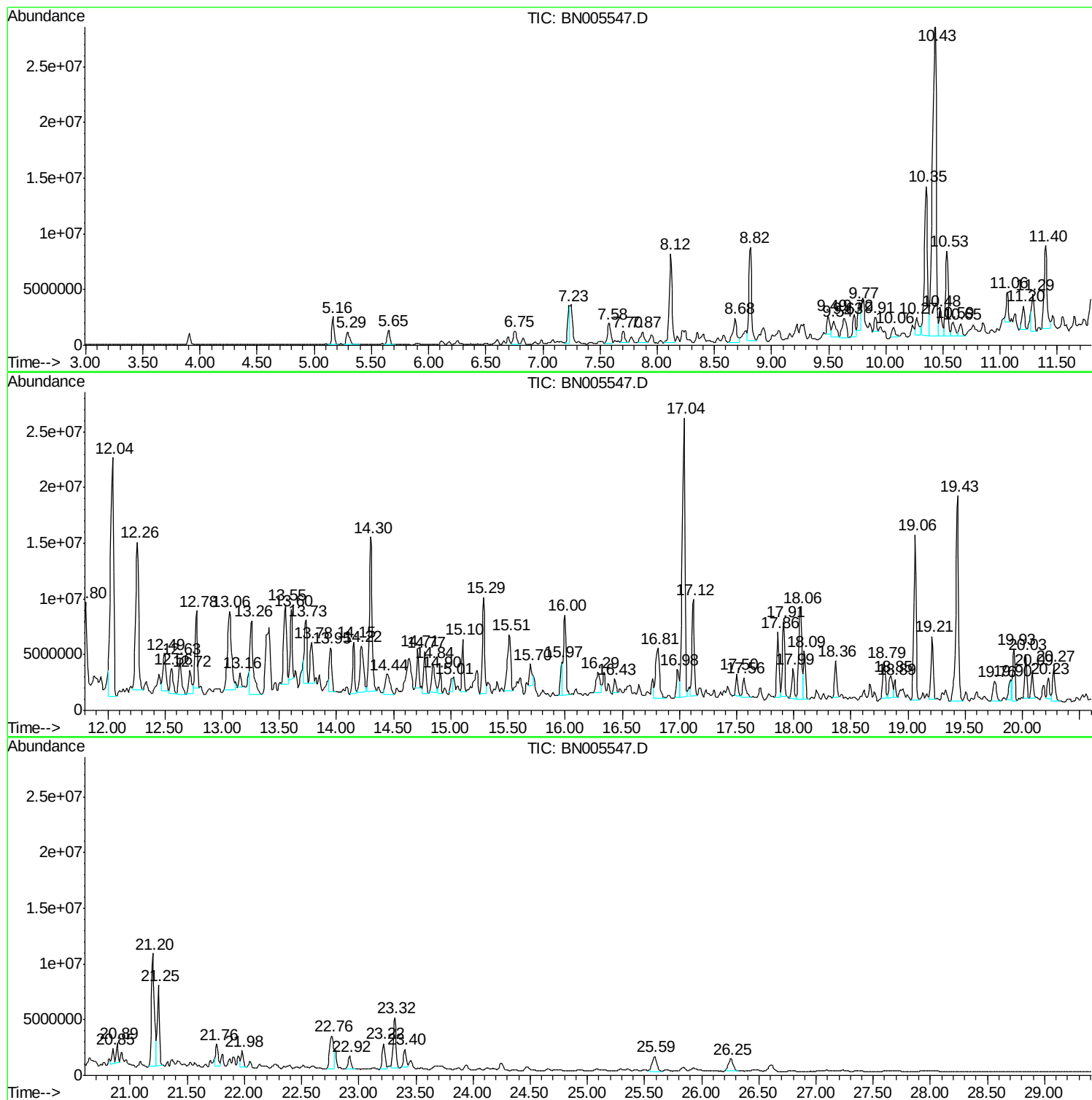
Sum of corrected areas: 805538852

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Instrument :
BNA_N
ClientSampled :
GAJ87

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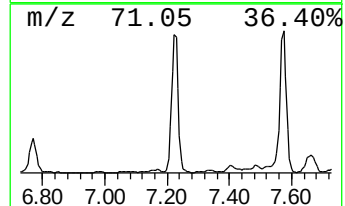
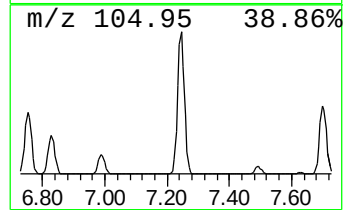
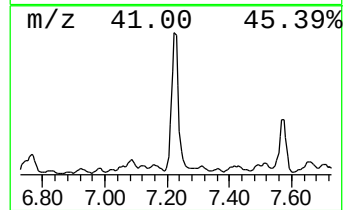
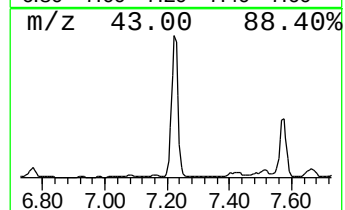
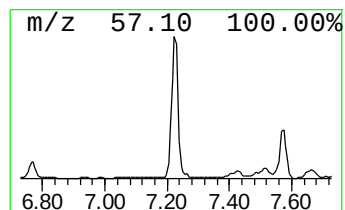
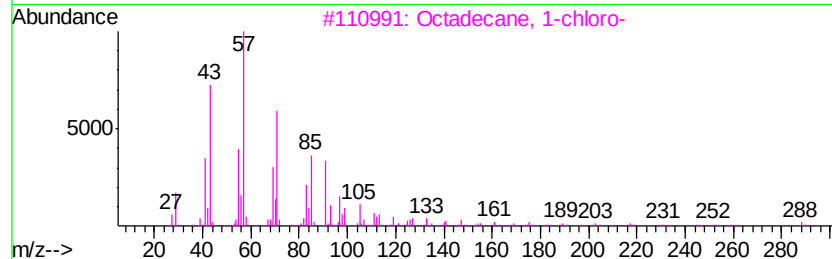
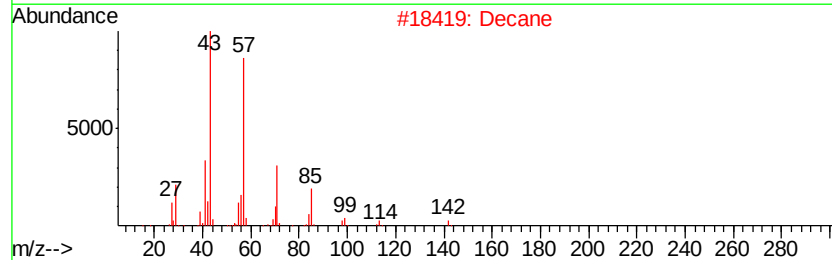
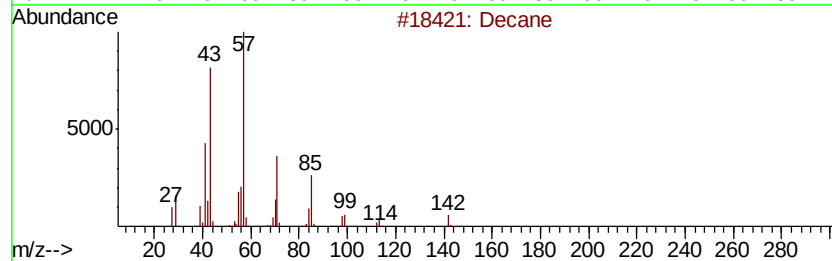
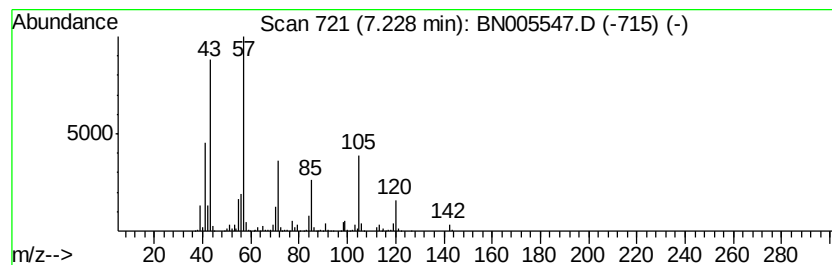
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN041919MA.M
Quant Title : SVOA CALIBRATION

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

Peak Number 4 (DEL) Alkane: Straight-Chai... Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.23	25.69 ng/ul	4466910	1,4-Dichlorobenzene-d4	7.59

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Decane	142	C10H22	000124-18-5	93
2		Decane	142	C10H22	000124-18-5	90
3		Octadecane, 1-chloro-	288	C18H37Cl	003386-33-2	59
4		Nonane	128	C9H20	000111-84-2	58
5		Pentadecane	212	C15H32	000629-62-9	53



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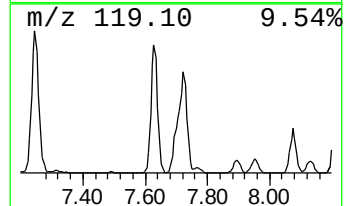
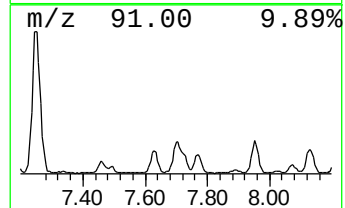
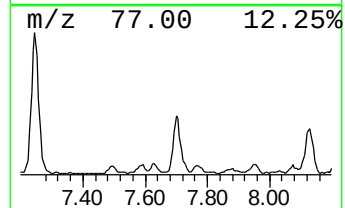
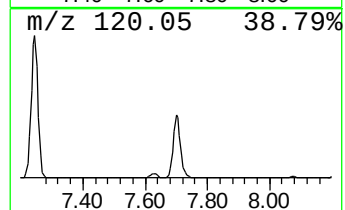
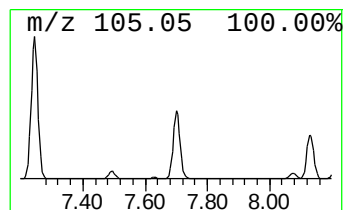
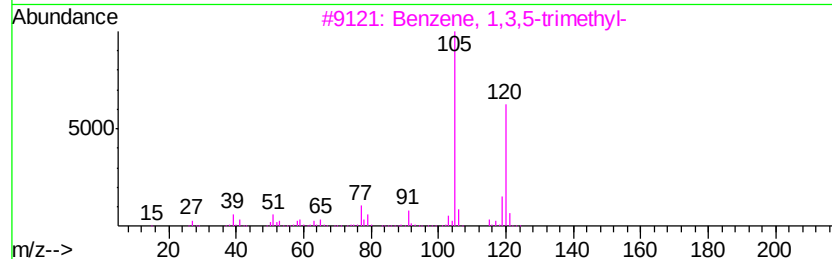
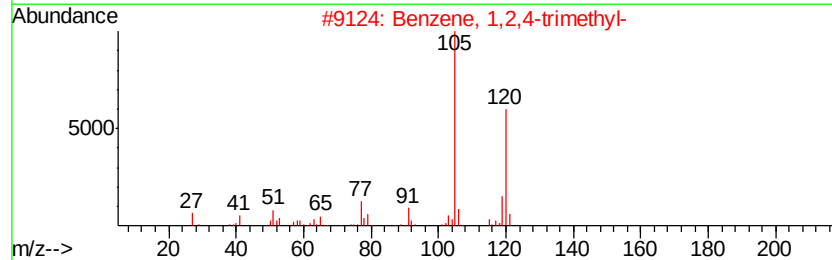
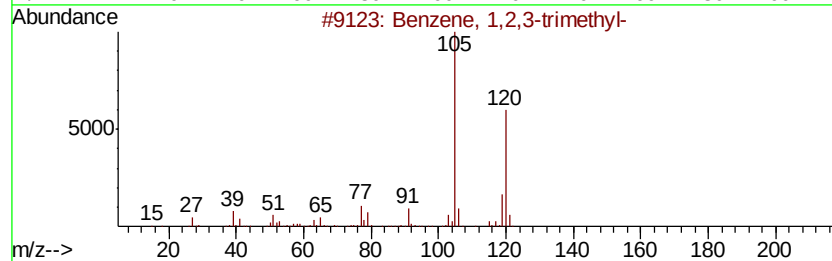
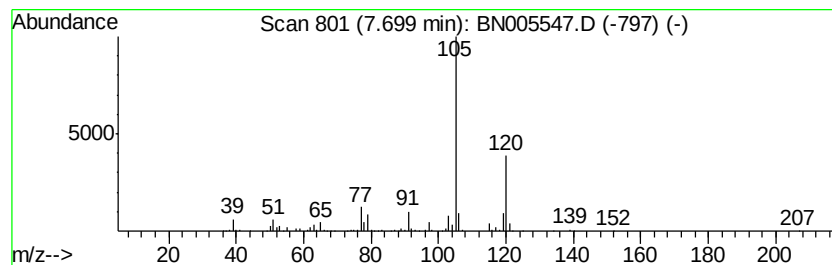
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Quant Title : SVOA CALIBRATION

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

Peak Number 5 Benzene, 1,2,3-trimethyl- Concentration Rank 39

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.70	10.43 ng/ul	1813560	1,4-Dichlorobenzene-d4	7.59

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	95
2		Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	91
3		Benzene, 1,3,5-trimethyl-	120	C9H12	000108-67-8	91
4		Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	91
5		Benzene, 1,3,5-trimethyl-	120	C9H12	000108-67-8	91



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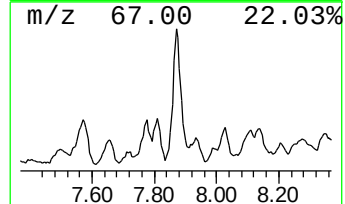
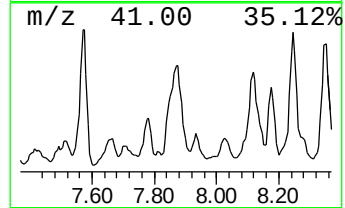
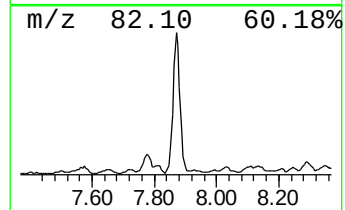
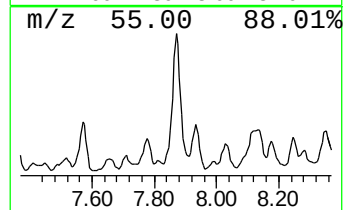
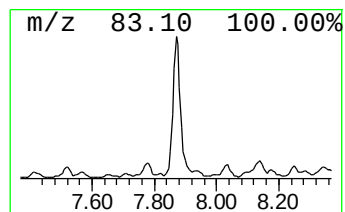
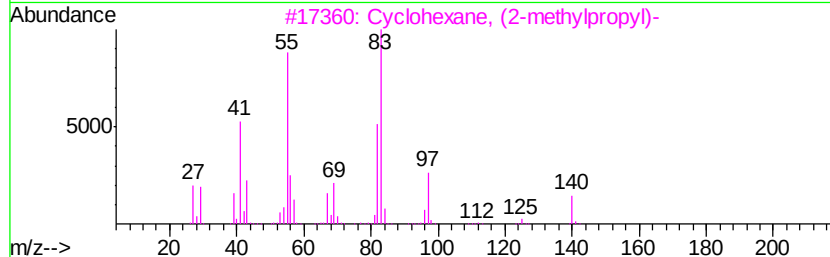
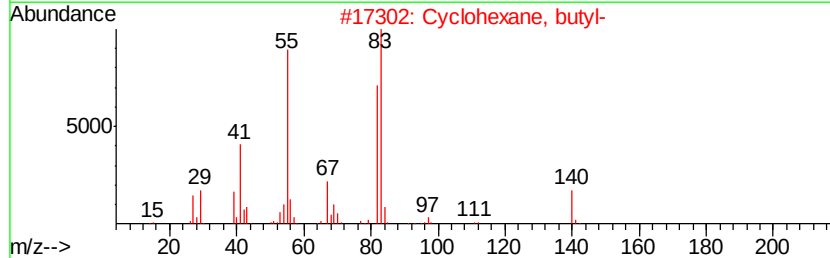
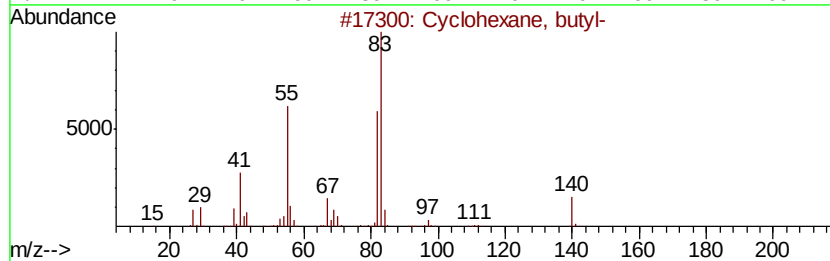
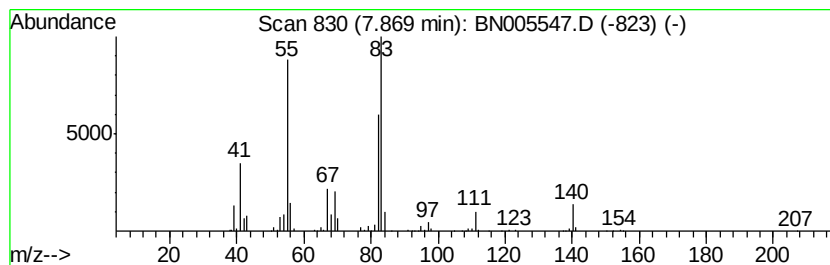
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN041919MA.M
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TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 6 (DEL) Alkane: Cyclic7.87 Concentration Rank 30

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.87	12.99 ng/ul	2258840	1,4-Dichlorobenzene-d4	7.59

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclohexane, butyl-	140	C10H20	001678-93-9	91
2		Cyclohexane, butyl-	140	C10H20	001678-93-9	91
3		Cyclohexane, (2-methylpropyl)-	140	C10H20	001678-98-4	80
4		Cyclohexane, (2-methylpropyl)-	140	C10H20	001678-98-4	80
5		Cyclohexane, (2-methylpropyl)-	140	C10H20	001678-98-4	80



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Data File : BN005547.D
Acq On : 09 May 2019 00:02
Operator : JU/SJ
Sample : K2604-13 5X
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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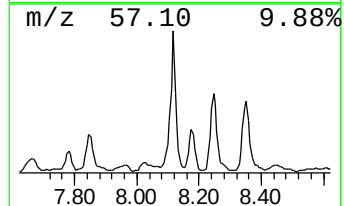
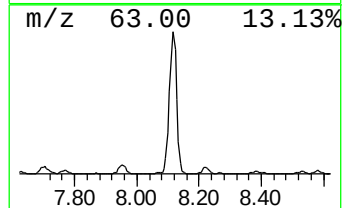
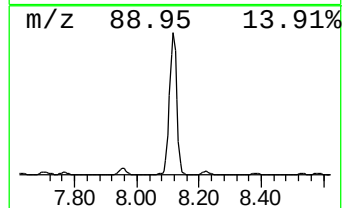
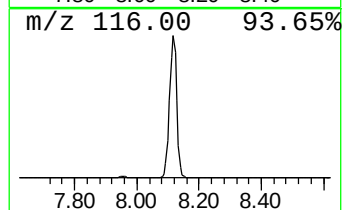
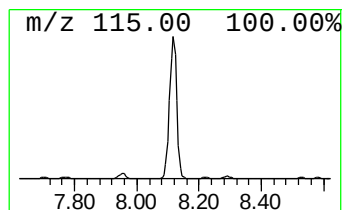
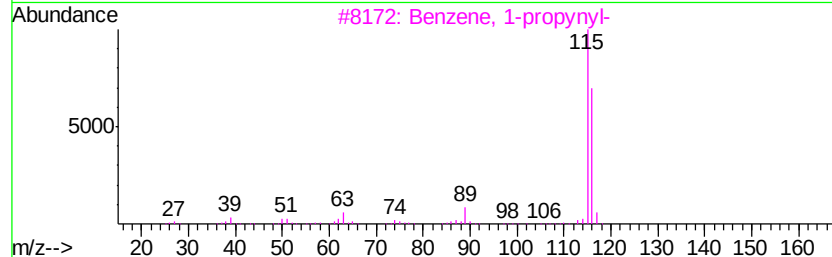
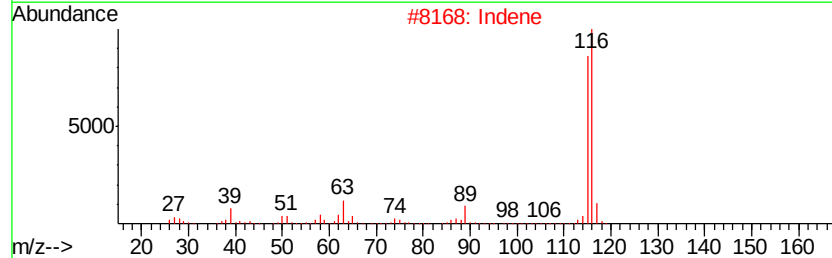
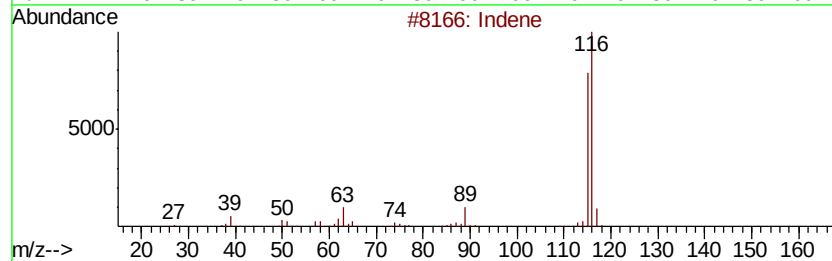
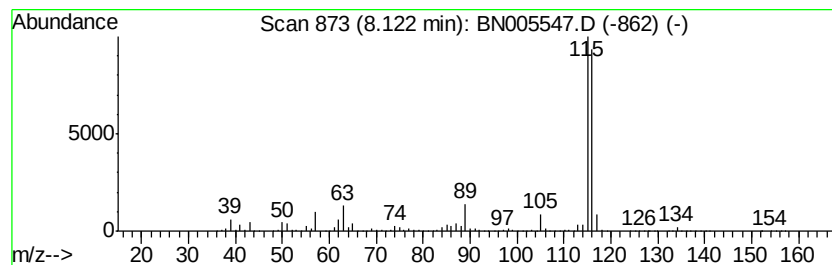
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Quant Title : SVOA CALIBRATION

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

Peak Number 7 Indene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.12	80.22 ng/ul	13946500	1,4-Dichlorobenzene-d4	7.59

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Indene	116	C9H8	000095-13-6	95
2		Indene	116	C9H8	000095-13-6	94
3		Benzene, 1-propynyl-	116	C9H8	000673-32-5	93
4		Benzene, 1-propynyl-	116	C9H8	000673-32-5	90
5		Benzene,1-ethynyl-2-methyl-	116	C9H8	000766-47-2	90



Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN050819\
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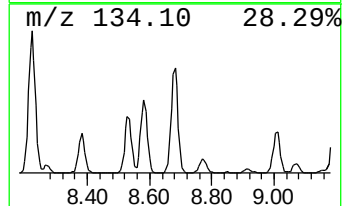
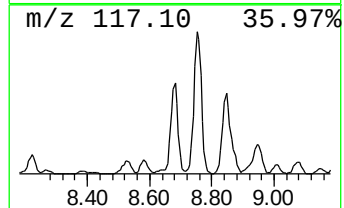
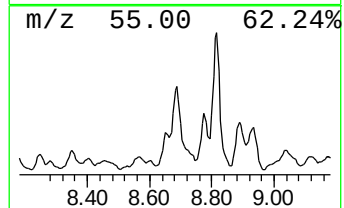
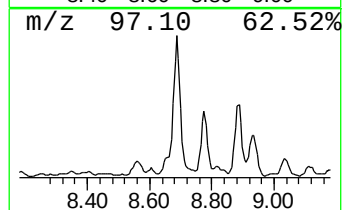
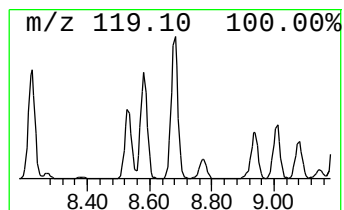
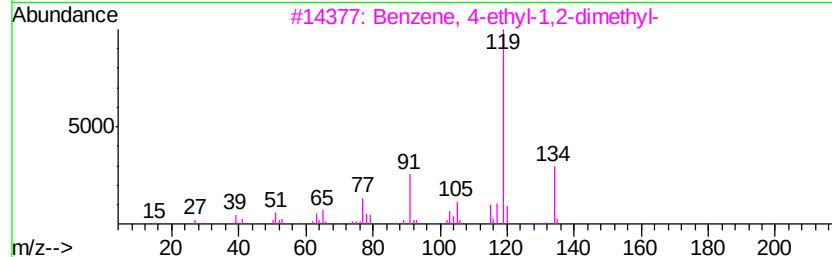
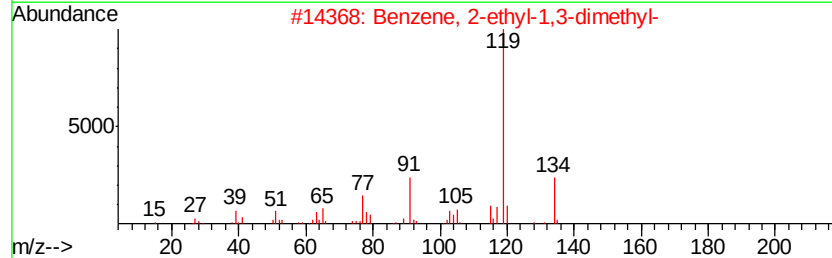
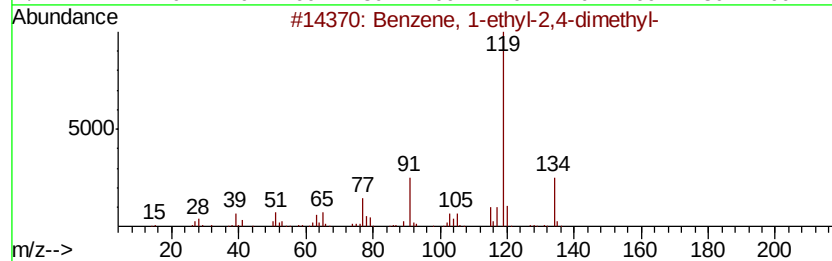
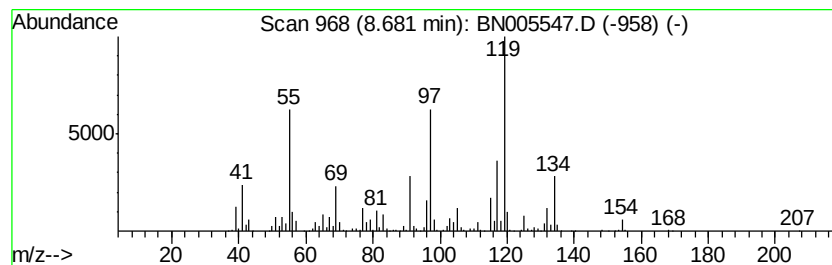
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Quant Title : SVOA CALIBRATION

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

Peak Number 8 Benzene, 1-ethyl-2,4-dimethyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.68	28.36 ng/ul	4931200	1,4-Dichlorobenzene-d4	7.59

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, 1-ethyl-2,4-dimethyl-	134	C10H14	000874-41-9	90
2		Benzene, 2-ethyl-1,3-dimethyl-	134	C10H14	002870-04-4	90
3		Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	87
4		Benzene, 2-ethyl-1,3-dimethyl-	134	C10H14	002870-04-4	55
5		Benzene, 1-methyl-2-(1-methyleth...	134	C10H14	000527-84-4	55



Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN050819\
Data File : BN005547.D
Acq On : 09 May 2019 00:02
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Misc :
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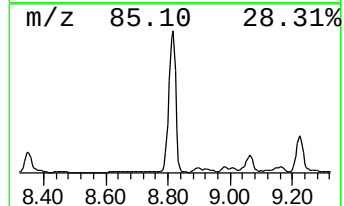
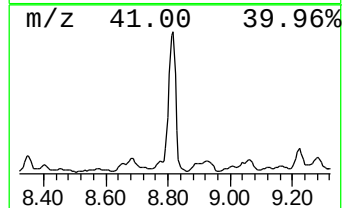
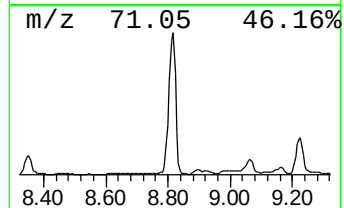
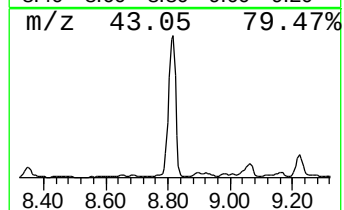
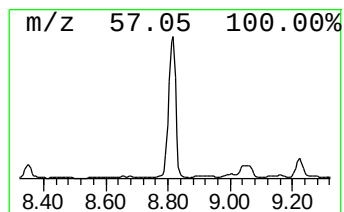
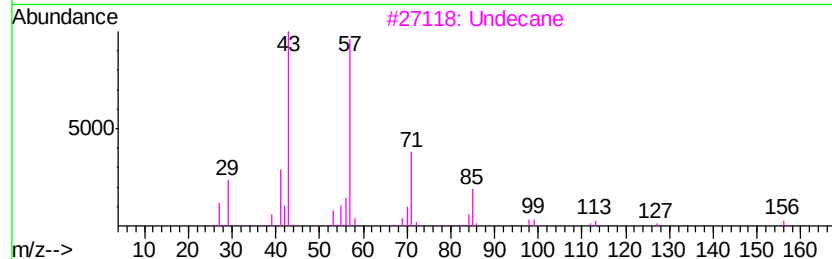
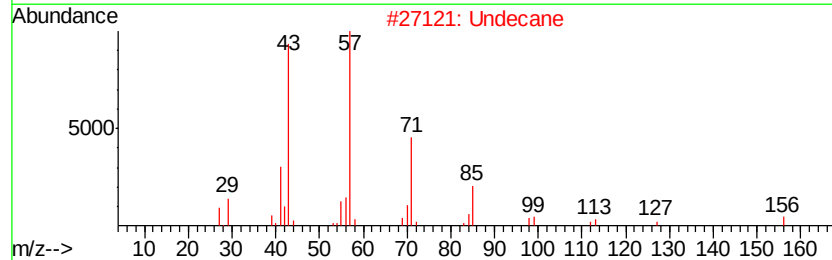
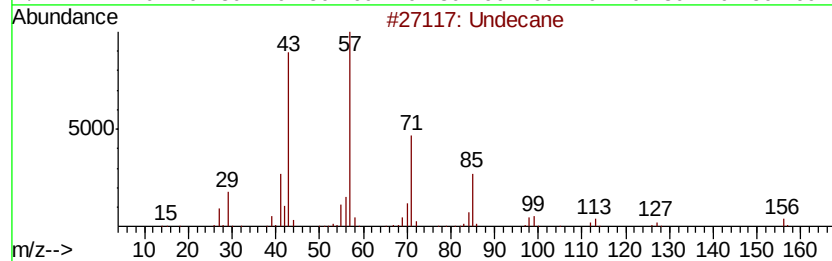
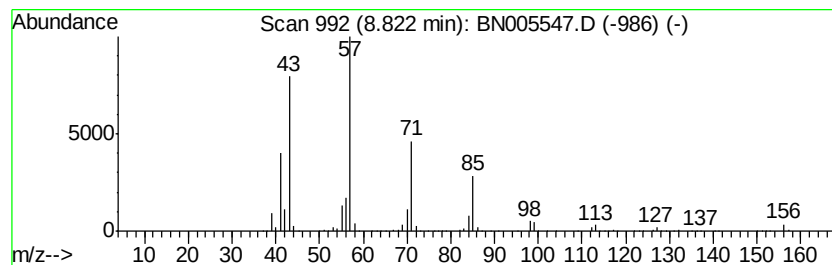
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Quant Title : SVOA CALIBRATION

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

Peak Number 9 (DEL) Alkane: Straight-Chai... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.82	75.62 ng/ul	13147000	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		Tridecane	184	C13H28	000629-50-5	86
5		Hexatriacontane	507	C36H74	000630-06-8	83



Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN050819\
Data File : BN005547.D
Acq On : 09 May 2019 00:02
Operator : JU/SJ
Sample : K2604-13 5X
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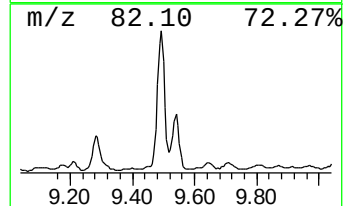
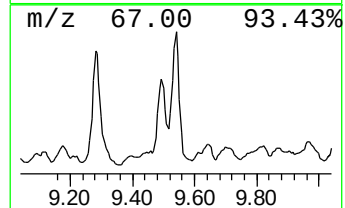
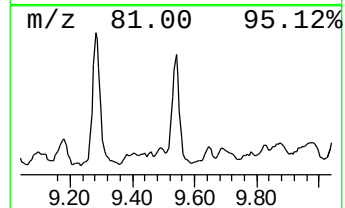
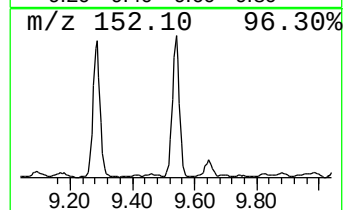
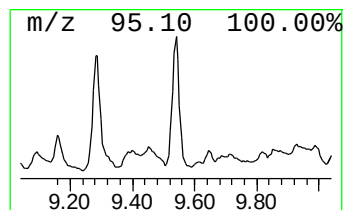
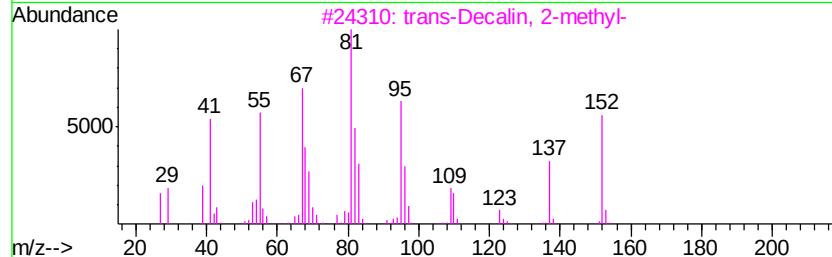
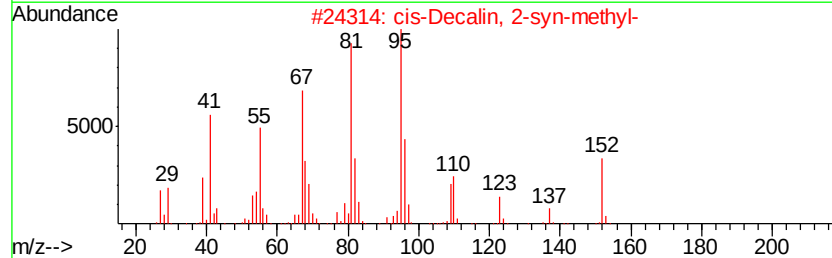
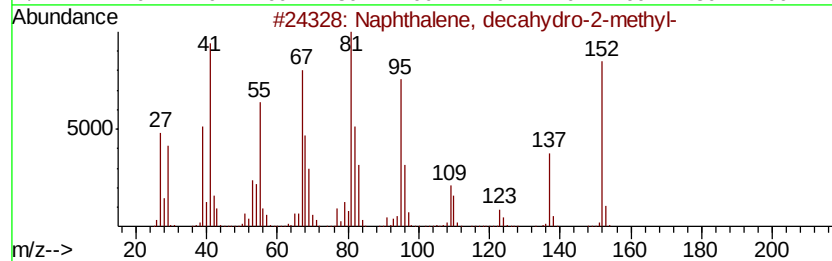
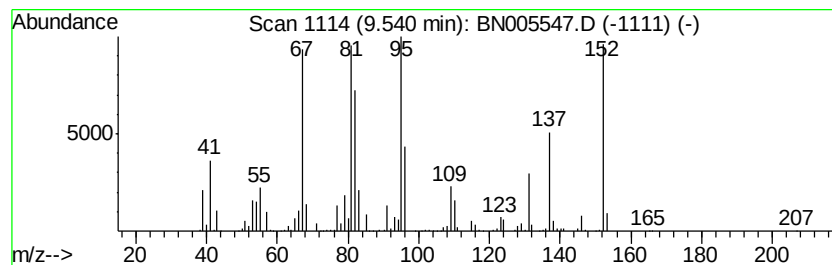
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Quant Title : SVOA CALIBRATION

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

Peak Number 10 Naphthalene, decahydro-2-me... Concentration Rank 64

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.54	2.60 ng/ul	3170490	Naphthalene-d8	10.36

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphthalene, decahydro-2-methyl-	152	C11H20	002958-76-1	87
2		cis-Decalin, 2-syn-methyl-	152	C11H20	1000155-85-6	72
3		trans-Decalin, 2-methyl-	152	C11H20	1000152-47-3	64
4		Bicyclo[4.1.0]heptan-3-one, 4,7,...	152	C10H16O	004176-01-6	62
5		trans-4a-Methyl-decahydronaphtha...	152	C11H20	002547-27-5	60



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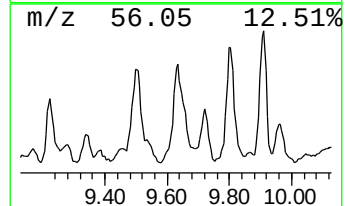
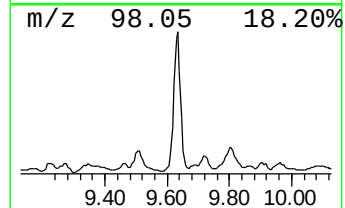
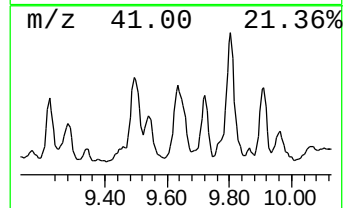
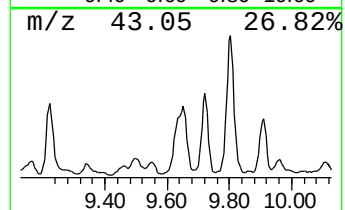
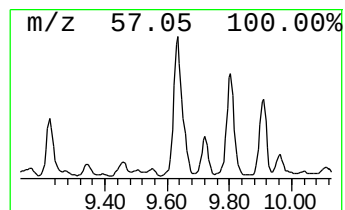
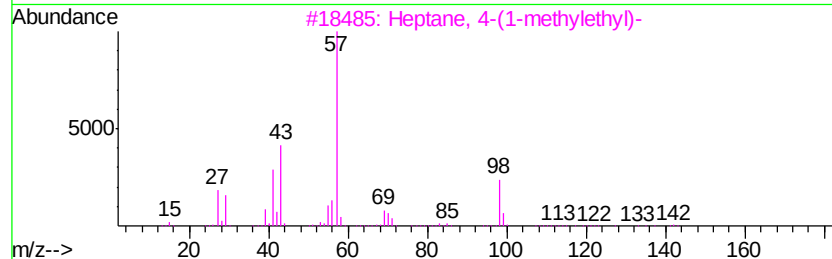
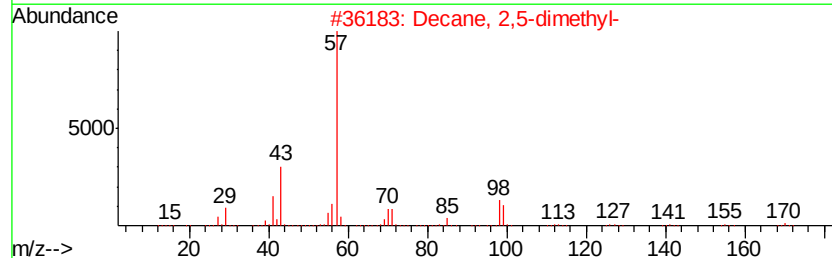
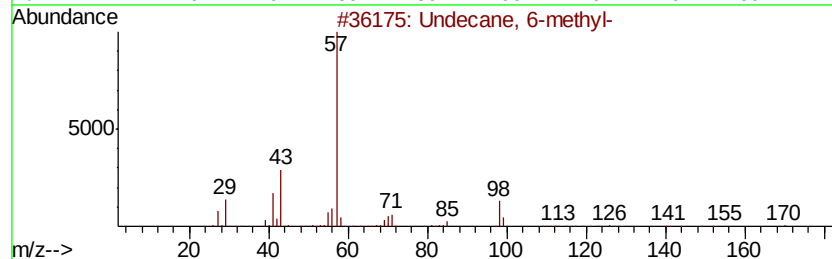
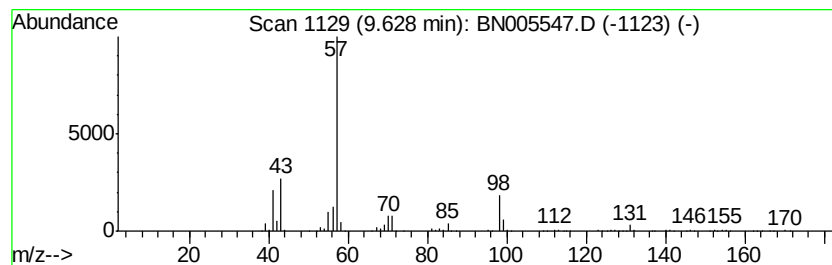
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Quant Title : SVOA CALIBRATION

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

Peak Number 11 (DEL) Alkane: Straight-Chai... Concentration Rank 54

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.63	3.72 ng/ul	4523030	Napthalene-d8	10.36

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Undecane, 6-methyl-	170	C12H26	017302-33-9	87
2		Decane, 2,5-dimethyl-	170	C12H26	017312-50-4	64
3		Heptane, 4-(1-methylethyl)-	142	C10H22	052896-87-4	64
4		Decane, 2,5-dimethyl-	170	C12H26	017312-50-4	52
5		Octane, 2,4,6-trimethyl-	156	C11H24	062016-37-9	50



Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN050819\
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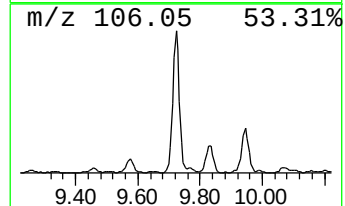
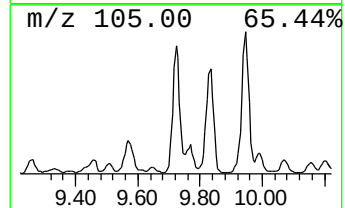
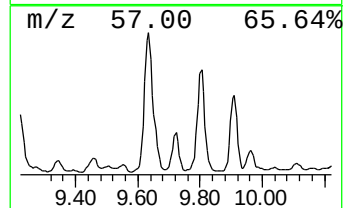
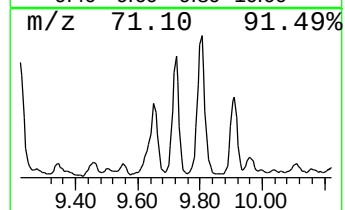
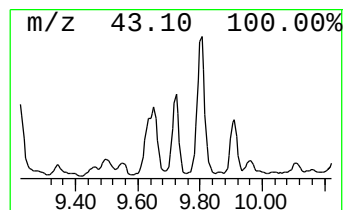
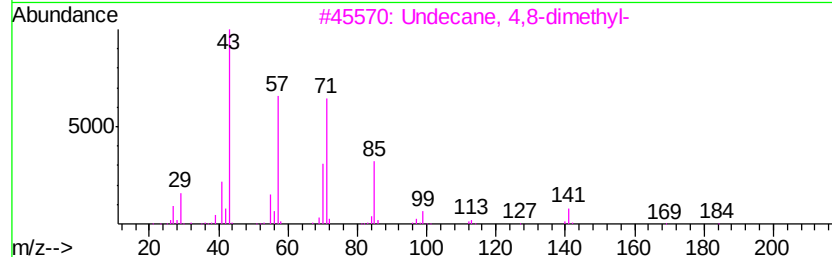
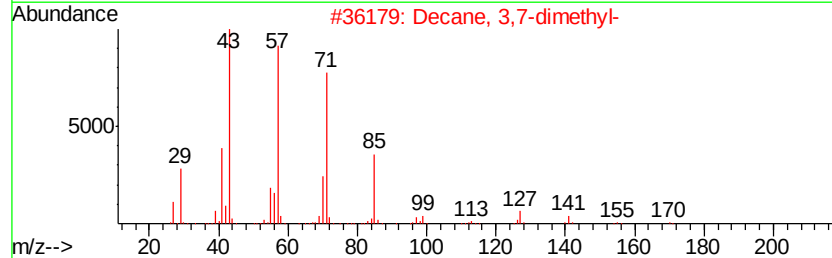
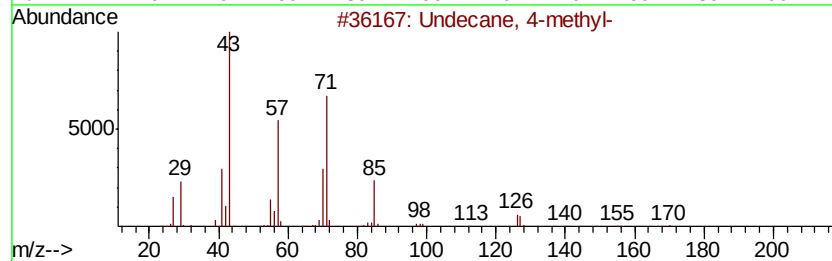
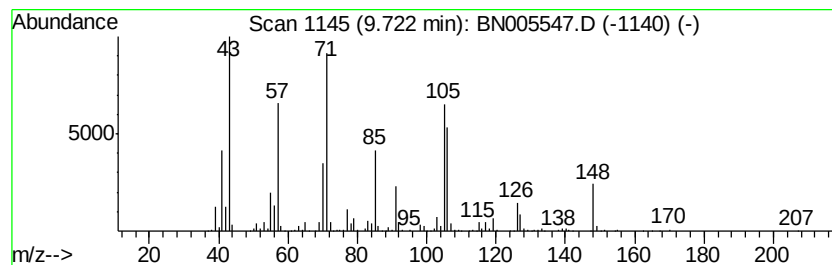
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Quant Title : SVOA CALIBRATION

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

Peak Number 12 (DEL) Alkane: Straight-Chai... Concentration Rank 65

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.72	2.39 ng/ul	2907760	Napthalene-d8	10.36

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Undecane, 4-methyl-	170	C12H26	002980-69-0	64
2		Decane, 3,7-dimethyl-	170	C12H26	017312-54-8	52
3		Undecane, 4,8-dimethyl-	184	C13H28	017301-33-6	47
4		Nonane, 1-iodo-	254	C9H19I	004282-42-2	46
5		Nonane, 5-(2-methylpropyl)-	184	C13H28	062185-53-9	46



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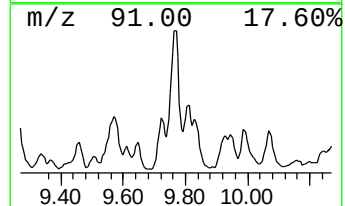
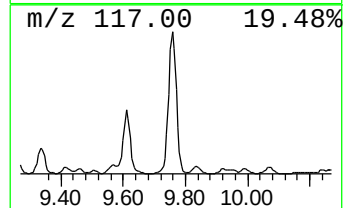
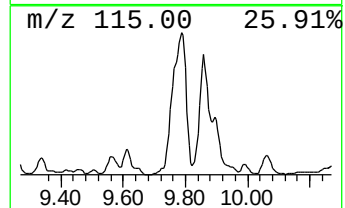
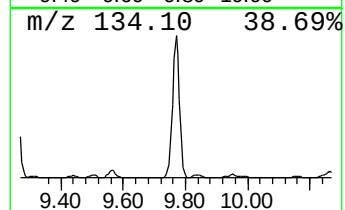
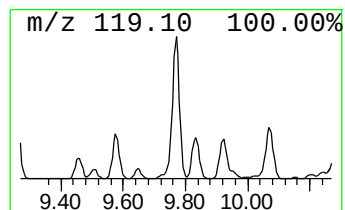
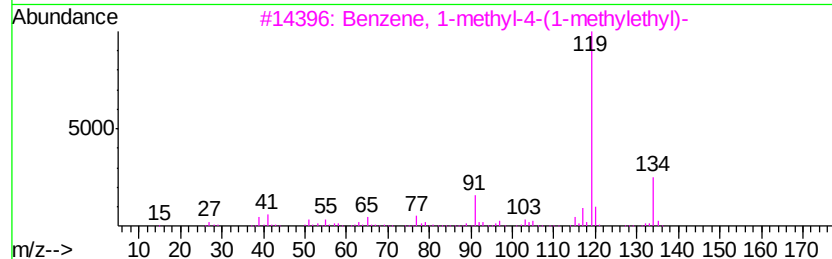
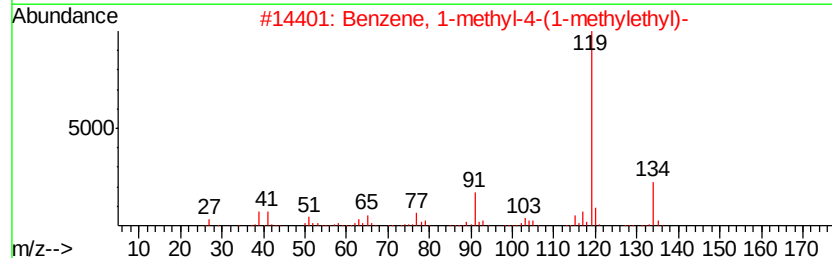
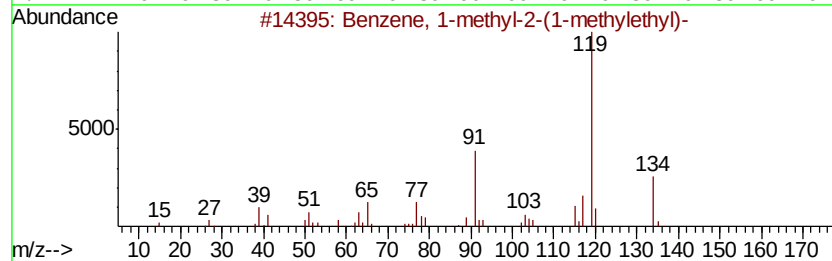
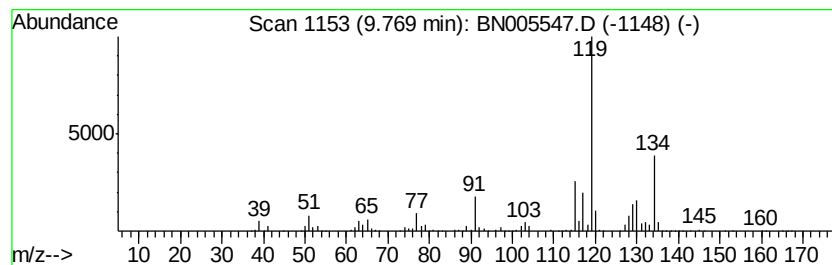
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Quant Title : SVOA CALIBRATION

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

Peak Number 13 Benzene, 1-methyl-2-(1-meth... Concentration Rank 56

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.77	3.44 ng/ul	4185980	Napthalene-d8	10.36

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, 1-methyl-2-(1-methyleth...	134	C10H14	000527-84-4	76
2		Benzene, 1-methyl-4-(1-methyleth...	134	C10H14	000099-87-6	70
3		Benzene, 1-methyl-4-(1-methyleth...	134	C10H14	000099-87-6	70
4		Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	70
5		Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	70



Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN050819\
Data File : BN005547.D
Acq On : 09 May 2019 00:02
Operator : JU/SJ
Sample : K2604-13 5X
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
GAJ87

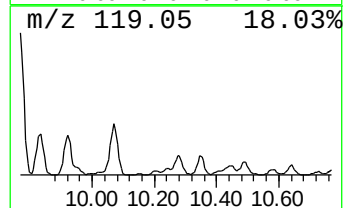
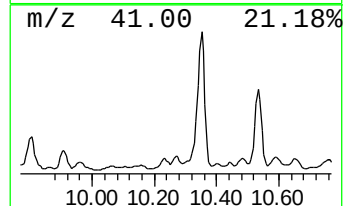
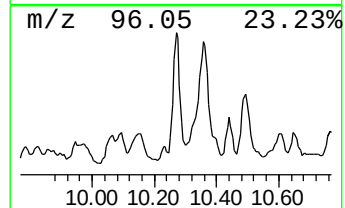
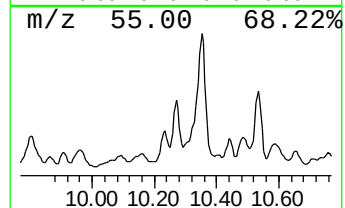
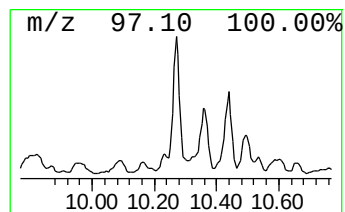
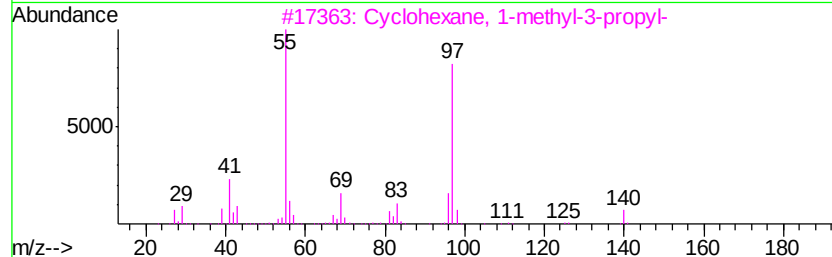
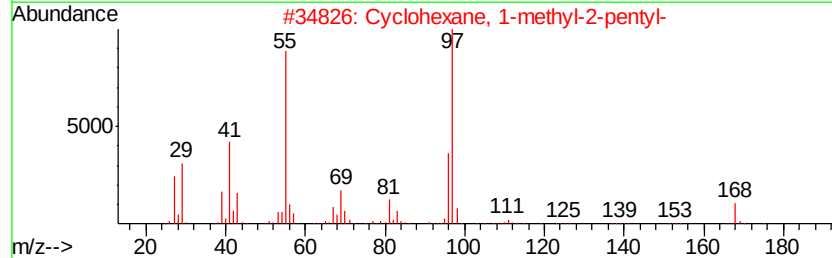
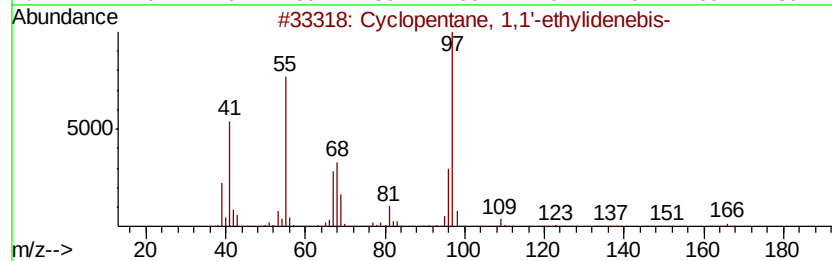
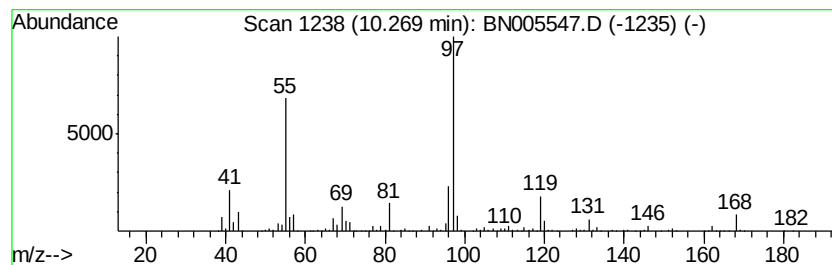
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Quant Title : SVOA CALIBRATION

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

Peak Number 14 Cyclopentane, 1,1'-ethylide... Concentration Rank 61

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.27	2.84 ng/ul	3458390	Naphthalene-d8	10.36

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclopentane, 1,1'-ethylidenebis-	166	C12H22	004413-21-2	64
2		Cyclohexane, 1-methyl-2-pentyl-	168	C12H24	054411-01-7	60
3		Cyclohexane, 1-methyl-3-propyl-	140	C10H20	004291-80-9	59
4		cis-1-Ethyl-3-methyl-cyclohexane	126	C9H18	019489-10-2	59
5		1-Ethyl-3-methylcyclohexane (c,t)	126	C9H18	003728-55-0	59



Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN050819\
Data File : BN005547.D
Acq On : 09 May 2019 00:02
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Sample : K2604-13 5X
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
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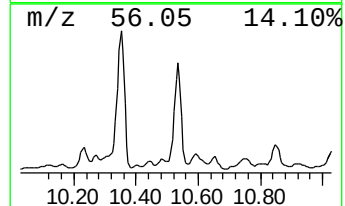
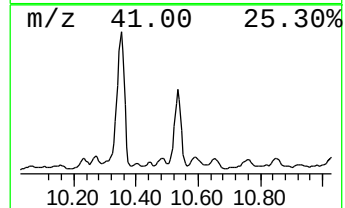
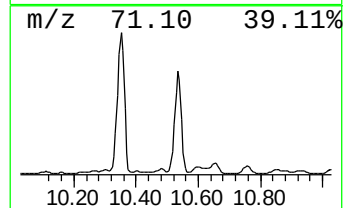
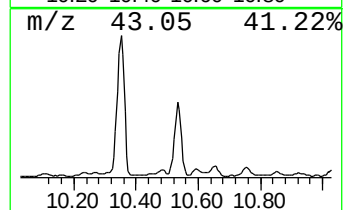
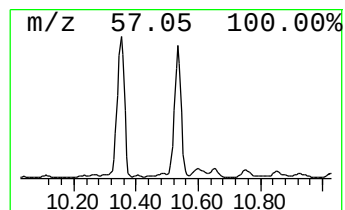
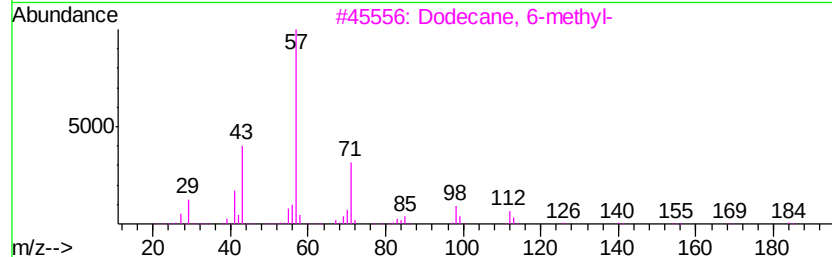
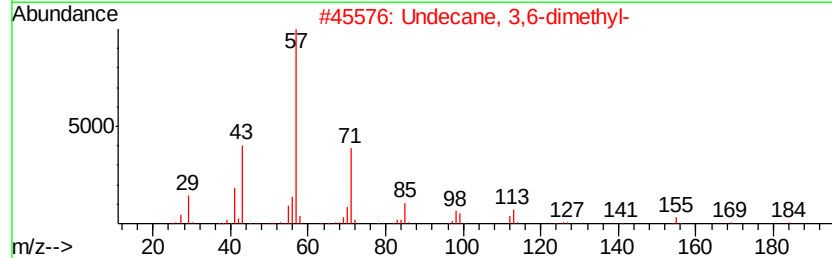
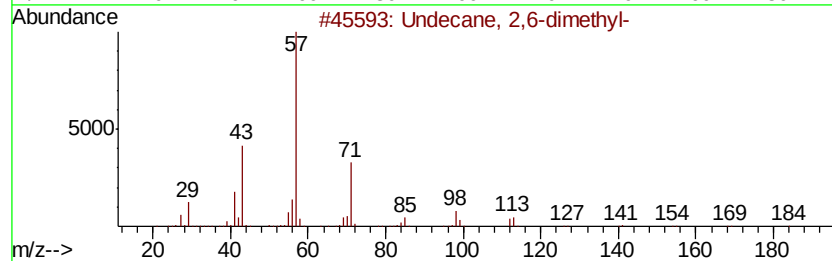
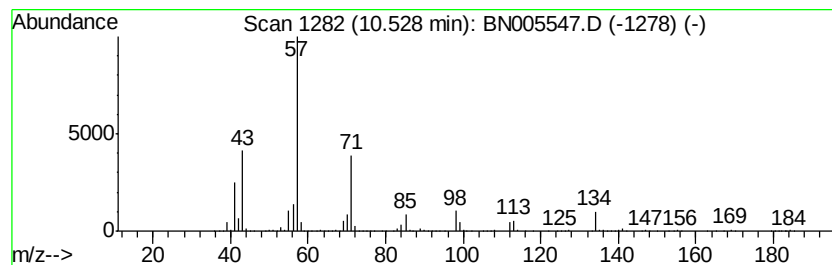
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Quant Title : SVOA CALIBRATION

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

Peak Number 15 (DEL) Alkane: Straight-Chai... Concentration Rank 41

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.53	9.80 ng/ul	11934100	Napthalene-d8	10.36

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Undecane, 2,6-dimethyl-	184	C13H28	017301-23-4	97
2		Undecane, 3,6-dimethyl-	184	C13H28	017301-28-9	93
3		Dodecane, 6-methyl-	184	C13H28	006044-71-9	91
4		Undecane, 4,6-dimethyl-	184	C13H28	017312-82-2	87
5		Decane, 2,6,8-trimethyl-	184	C13H28	062108-26-3	74



Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN050819\
Data File : BN005547.D
Acq On : 09 May 2019 00:02
Operator : JU/SJ
Sample : K2604-13 5X
Misc :
ALS Vial : 19 Sample Multiplier: 1

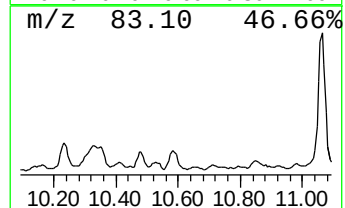
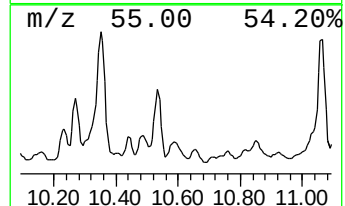
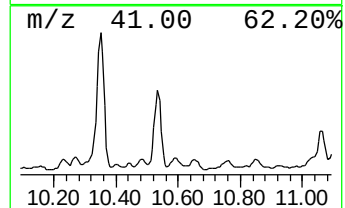
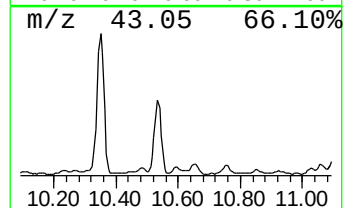
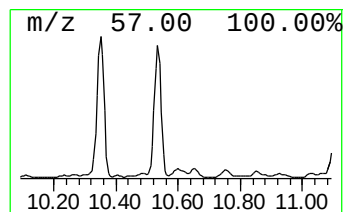
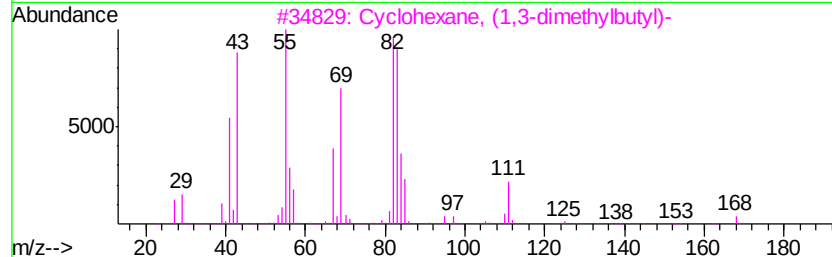
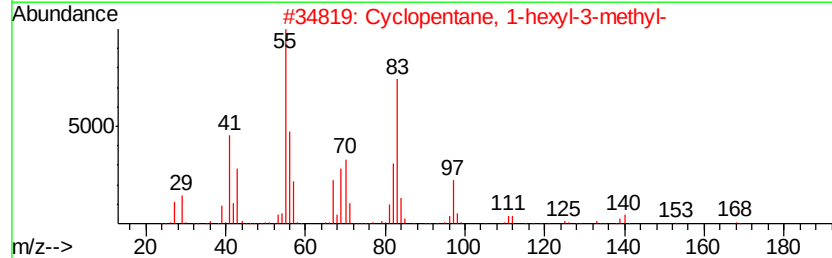
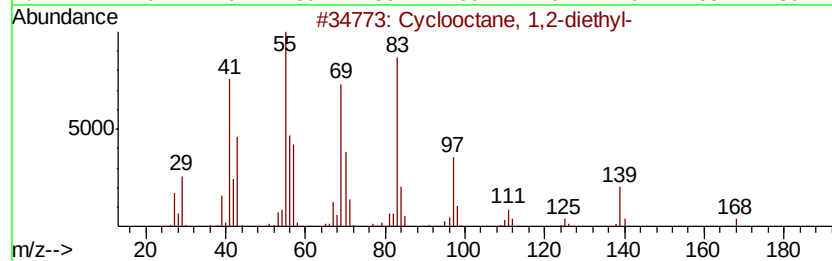
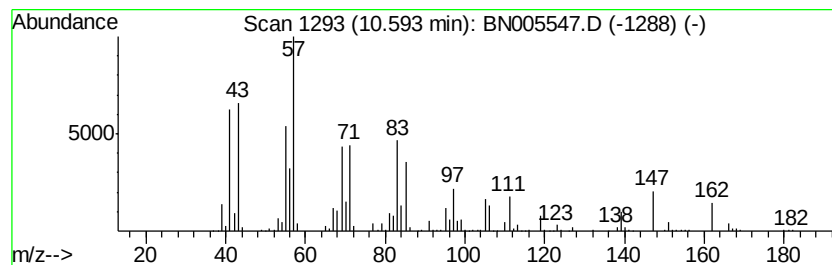
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ClientSampleId :
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Quant Title : SVOA CALIBRATION

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

Peak Number 16 (DEL) Alkane: Cyclic10.59 Concentration Rank 66

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.59	2.23 ng/ul	2718960	Napthalene-d8	10.36
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1		Cyclooctane, 1,2-diethyl-	168 C12H24	023609-46-3 38
2		Cyclopentane, 1-hexyl-3-methyl-	168 C12H24	061142-68-5 30
3		Cyclohexane, (1,3-dimethylbutyl)-	168 C12H24	061142-19-6 27
4		Cyclohexane, 1,5-diethyl-2,3-dim...	168 C12H24	074663-66-4 27
5		Cyclopentane, 1,1,3,4-tetramethy...	126 C9H18	053907-60-1 25



Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN050819\
Data File : BN005547.D
Acq On : 09 May 2019 00:02
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Sample : K2604-13 5X
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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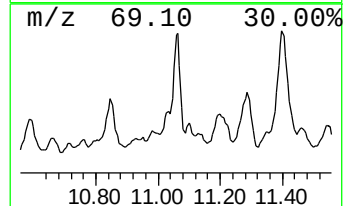
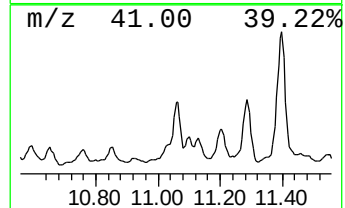
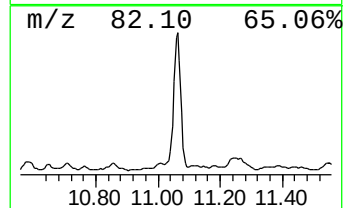
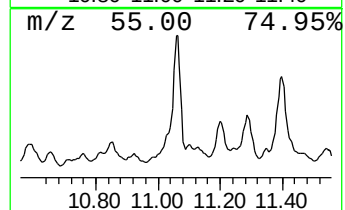
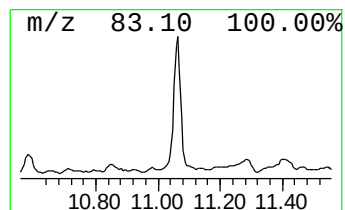
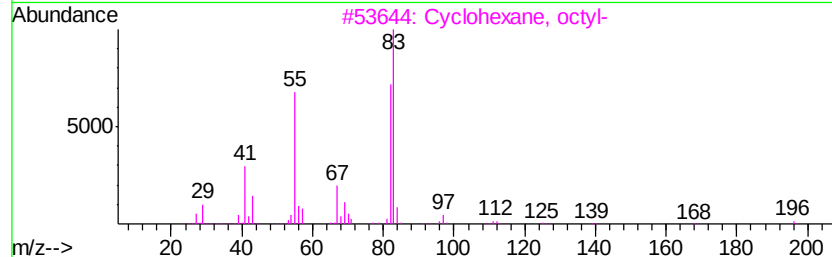
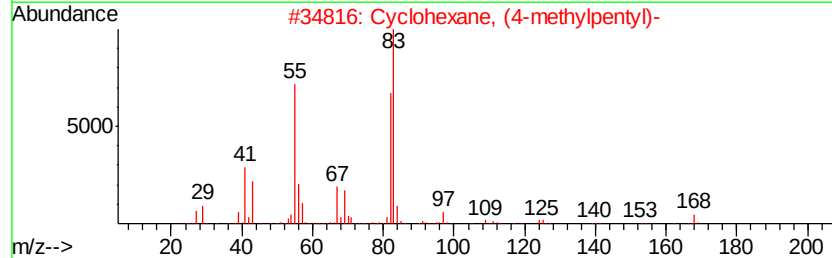
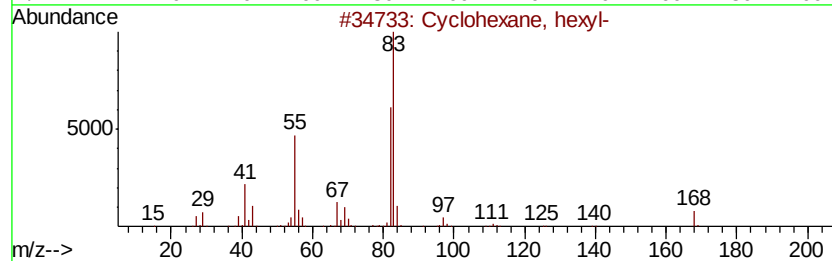
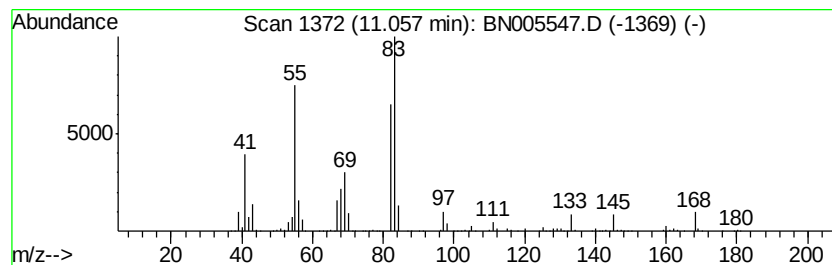
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Quant Title : SVOA CALIBRATION

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

Peak Number 17 (DEL) Alkane: Straight-Chai... Concentration Rank 60

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.06	3.07 ng/ul	3741980	Napthalene-d8	10.36

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclohexane, hexyl-	168	C12H24	004292-75-5	81
2		Cyclohexane, (4-methylpentyl)-	168	C12H24	061142-20-9	64
3		Cyclohexane, octyl-	196	C14H28	001795-15-9	58
4		Cyclohexane, ethyl-	112	C8H16	001678-91-7	53
5		Cyclohexane, pentyl-	154	C11H22	004292-92-6	53



Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN050819\
Data File : BN005547.D
Acq On : 09 May 2019 00:02
Operator : JU/SJ
Sample : K2604-13 5X
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampled :
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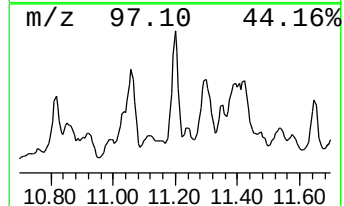
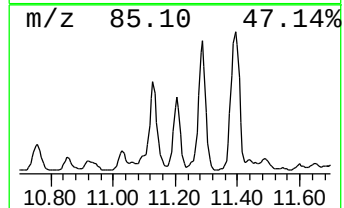
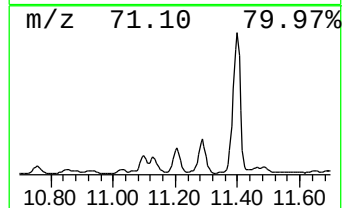
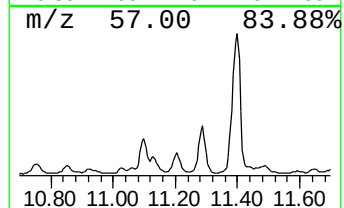
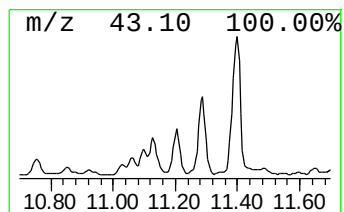
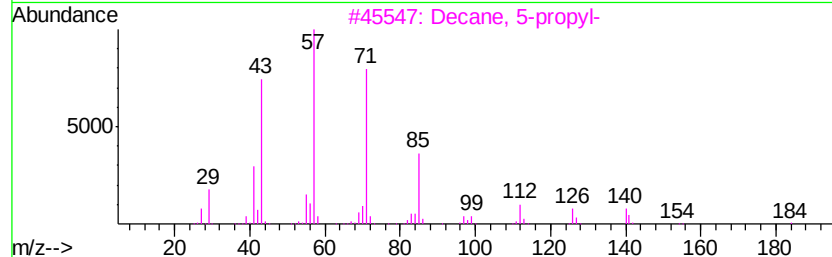
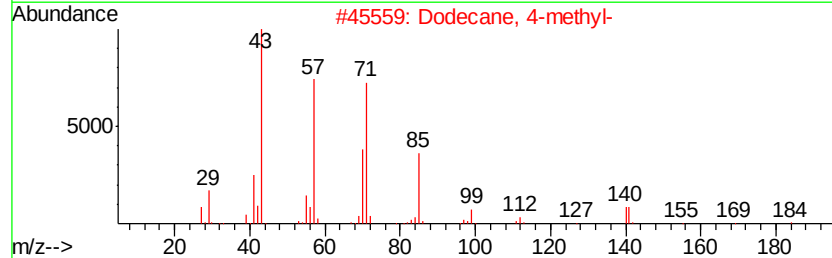
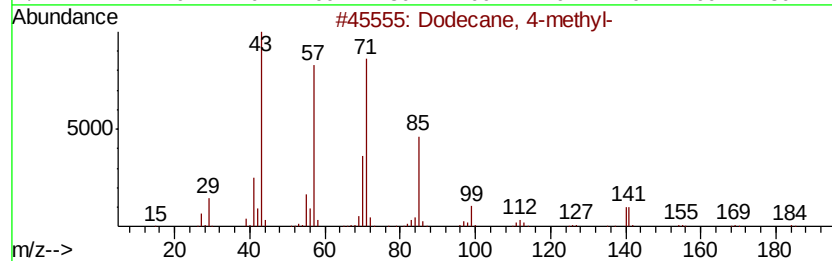
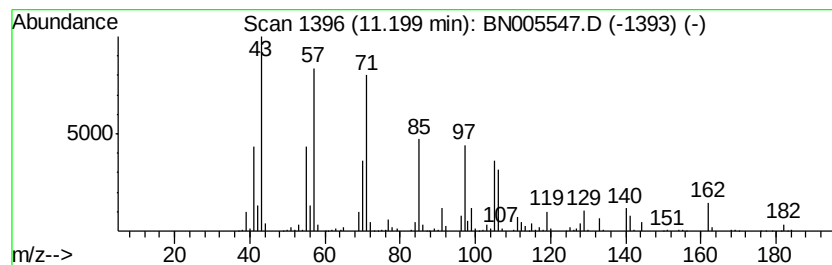
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Quant Title : SVOA CALIBRATION

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

Peak Number 18 (DEL) Alkane: Straight-Chai... Concentration Rank 63

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.20	2.70 ng/ul	3288010	Napthalene-d8	10.36

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Dodecane, 4-methyl-	184	C13H28	006117-97-1	98
2			Dodecane, 4-methyl-	184	C13H28	006117-97-1	92
3			Decane, 5-propyl-	184	C13H28	017312-62-8	49
4			Hexane, 3,3-dimethyl-	114	C8H18	000563-16-6	47
5			Dodecane, 1-iodo-	296	C12H25I	004292-19-7	43



Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN050819\
Data File : BN005547.D
Acq On : 09 May 2019 00:02
Operator : JU/SJ
Sample : K2604-13 5X
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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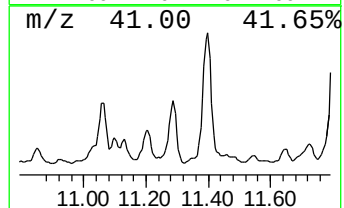
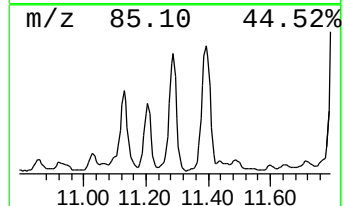
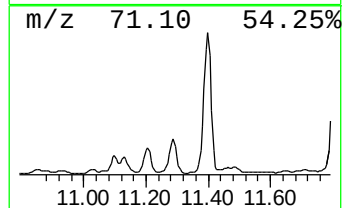
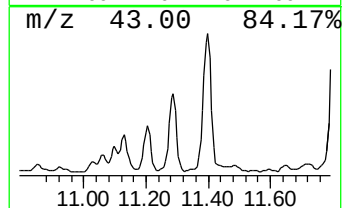
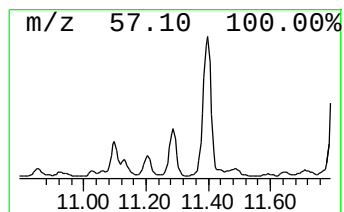
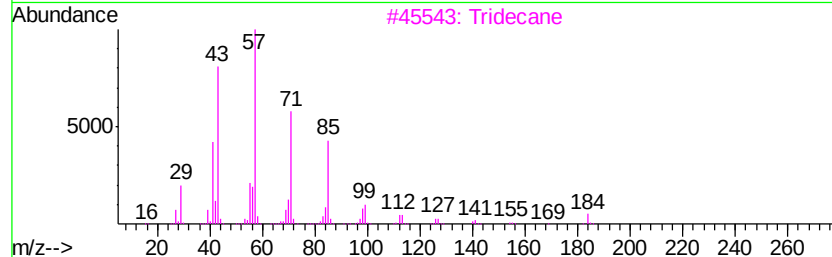
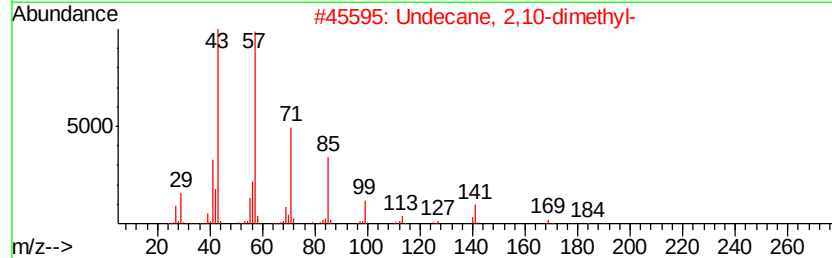
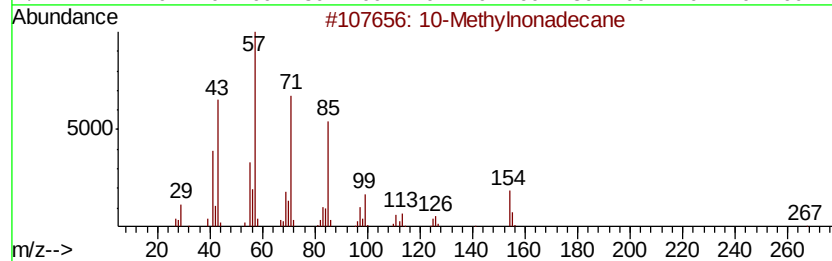
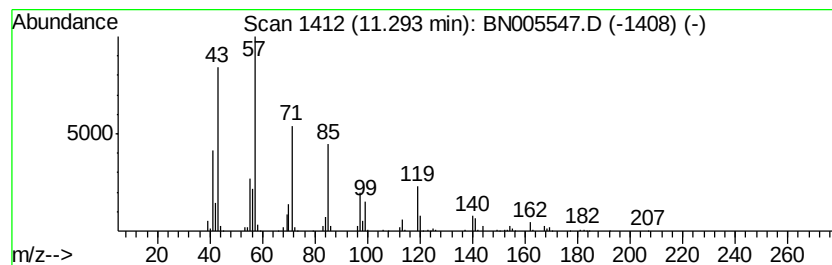
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Quant Title : SVOA CALIBRATION

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

Peak Number 19 (DEL) Alkane: Straight-Chai... Concentration Rank 51

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.29	4.13 ng/ul	5023420	Napthalene-d8	10.36

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	10-Methylnonadecane	282	C20H42	056862-62-5	72
2		Undecane, 2,10-dimethyl-	184	C13H28	017301-27-8	70
3		Tridecane	184	C13H28	000629-50-5	64
4		Dodecane, 2-methyl-	184	C13H28	001560-97-0	64
5		Dodecane, 2-methyl-	184	C13H28	001560-97-0	59



Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN050819\
Data File : BN005547.D
Acq On : 09 May 2019 00:02
Operator : JU/SJ
Sample : K2604-13 5X
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
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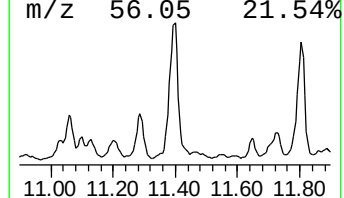
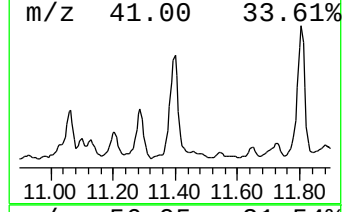
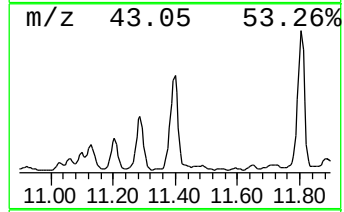
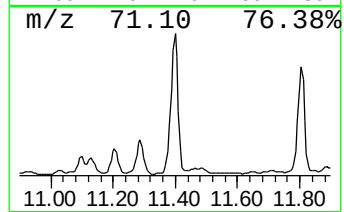
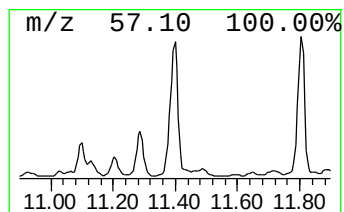
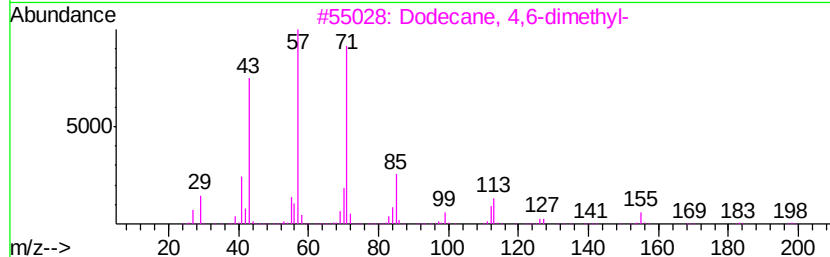
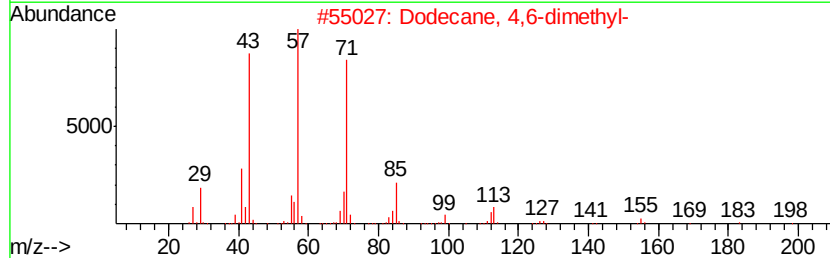
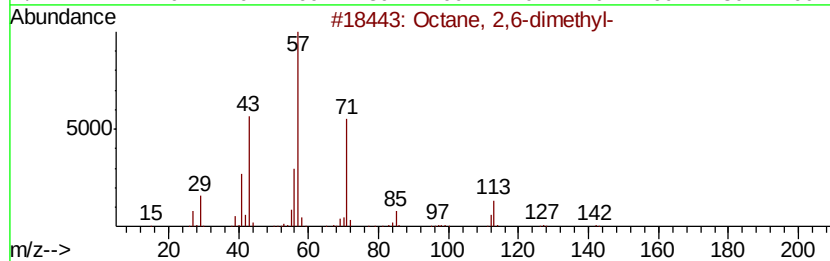
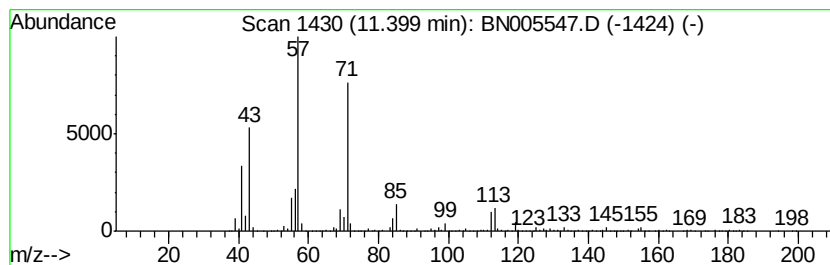
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Quant Title : SVOA CALIBRATION

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

Peak Number 20 (DEL) Alkane: Straight-Chai... Concentration Rank 36

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.40	11.37 ng/ul	13842100	Napthalene-d8	10.36

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Octane, 2,6-dimethyl-	142	C10H22	002051-30-1	86
2		Dodecane, 4,6-dimethyl-	198	C14H30	061141-72-8	72
3		Dodecane, 4,6-dimethyl-	198	C14H30	061141-72-8	59
4		Butane, 2,2-dimethyl-	86	C6H14	000075-83-2	53
5		Octane, 2-bromo-	192	C8H17Br	000557-35-7	53



Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN050819\
Data File : BN005547.D
Acq On : 09 May 2019 00:02
Operator : JU/SJ
Sample : K2604-13 5X
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
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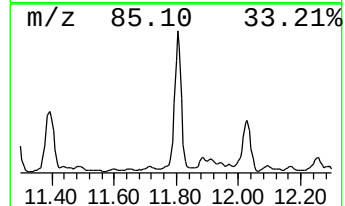
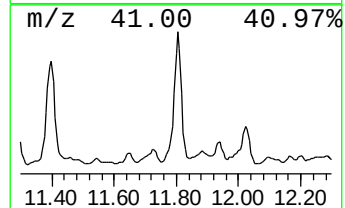
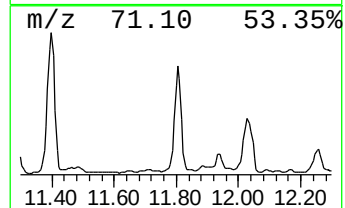
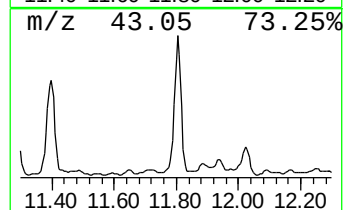
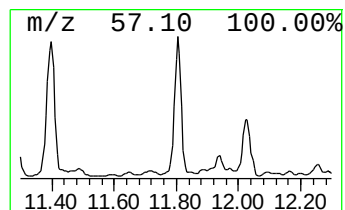
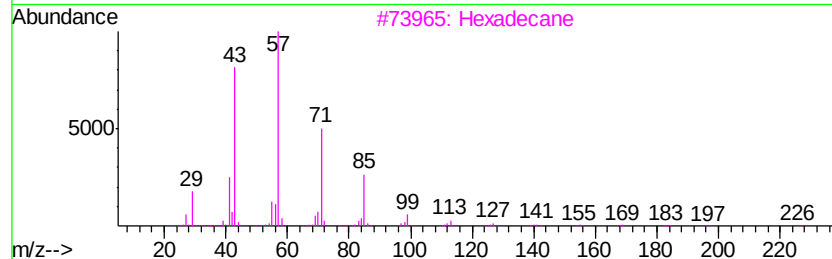
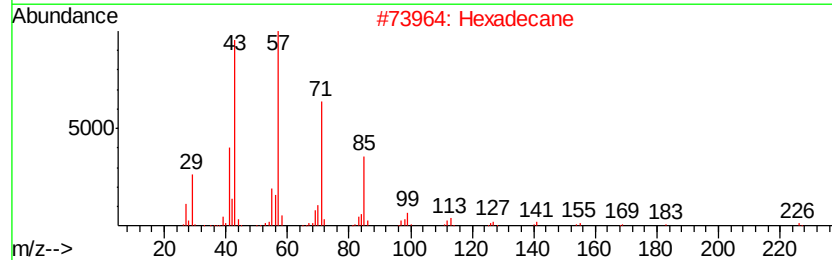
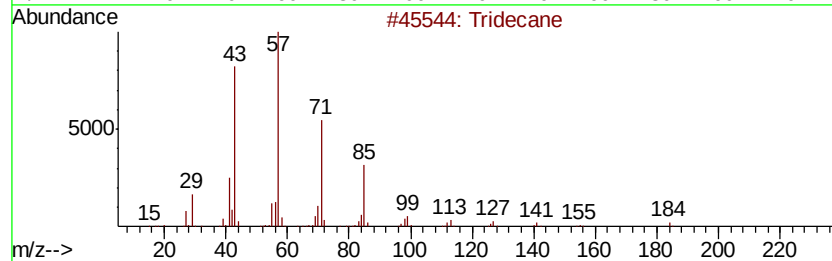
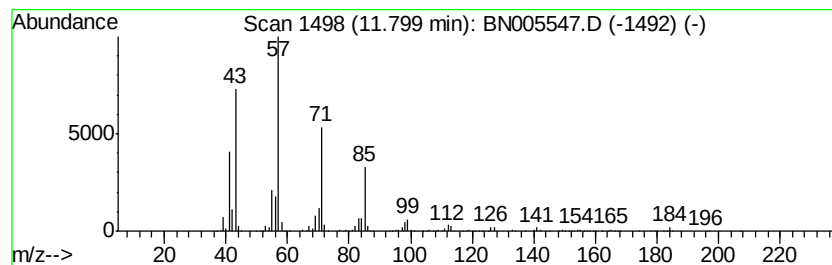
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Quant Title : SVOA CALIBRATION

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

Peak Number 21 (DEL) Alkane: Straight-Chai... Concentration Rank 35

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.80	11.57 ng/ul	14084100	Napthalene-d8	10.36

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Tridecane	184	C13H28	000629-50-5	91
2		Hexadecane	226	C16H34	000544-76-3	91
3		Hexadecane	226	C16H34	000544-76-3	90
4		Pentadecane	212	C15H32	000629-62-9	90
5		Tetradecane	198	C14H30	000629-59-4	90



Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN050819\
Data File : BN005547.D
Acq On : 09 May 2019 00:02
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Sample : K2604-13 5X
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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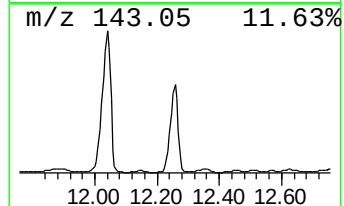
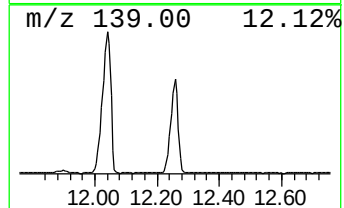
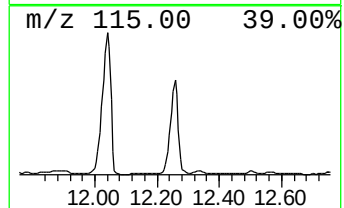
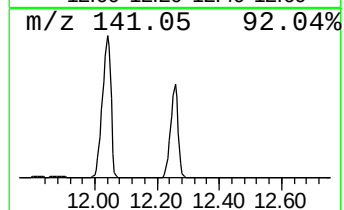
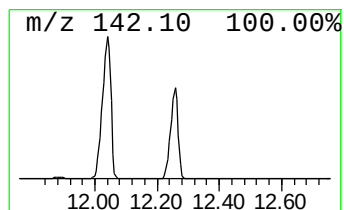
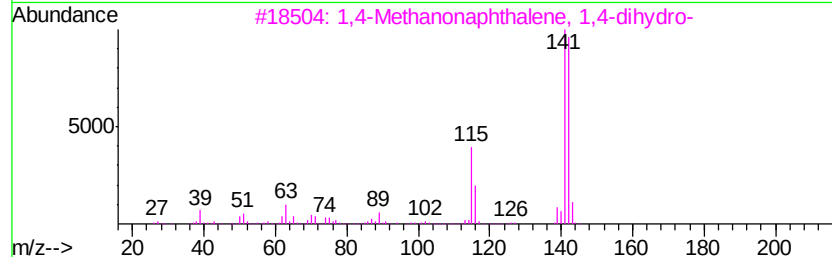
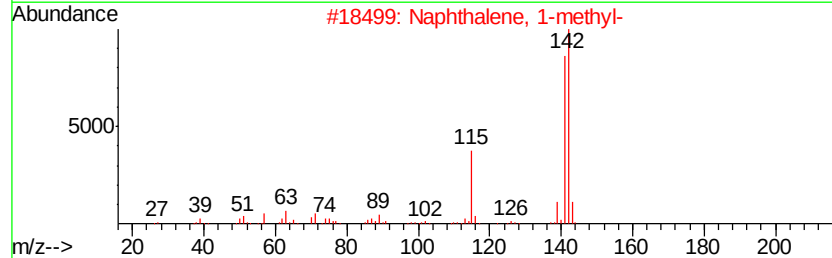
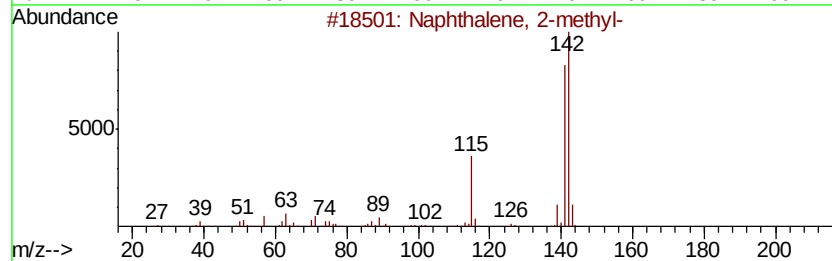
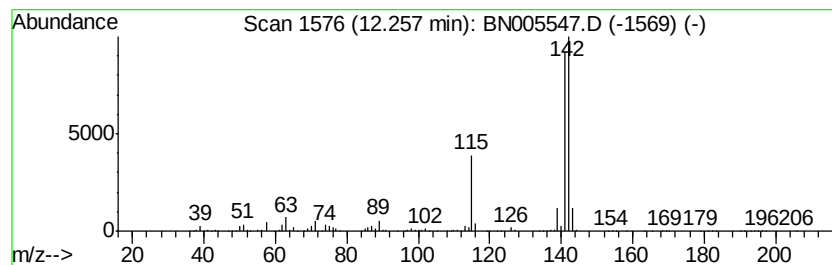
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Quant Title : SVOA CALIBRATION

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

Peak Number 22 Naphthalene, 1-methyl- Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.26	19.68 ng/ul	23953300	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-dihv...	142	C11H10	004453-90-1	94
4		Naphthalene, 1-methyl-	142	C11H10	000090-12-0	94
5		Bicyclo[4.4.1]undeca-1,3,5,7,9-p...	142	C11H10	002443-46-1	91



Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN050819\
Data File : BN005547.D
Acq On : 09 May 2019 00:02
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Sample : K2604-13 5X
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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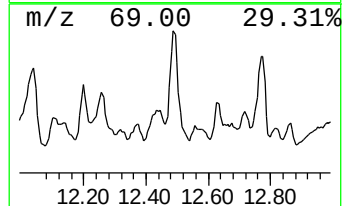
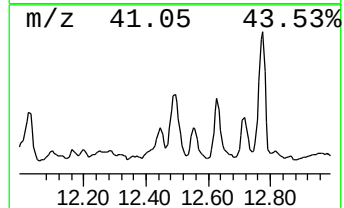
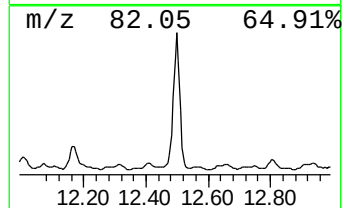
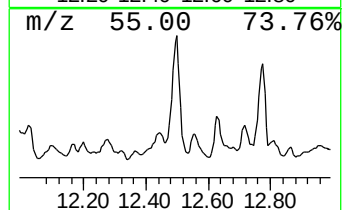
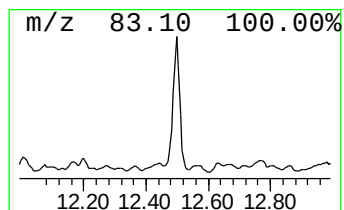
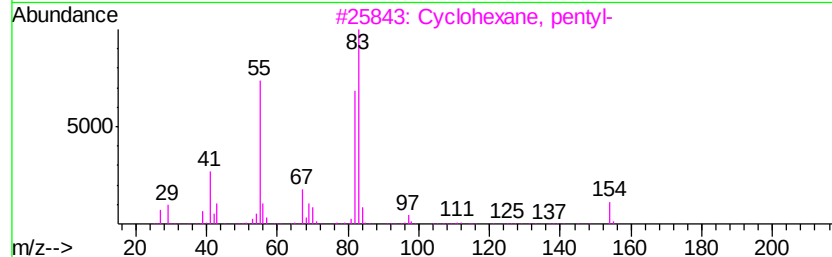
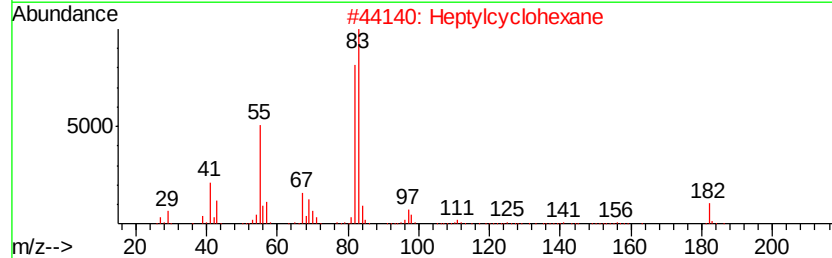
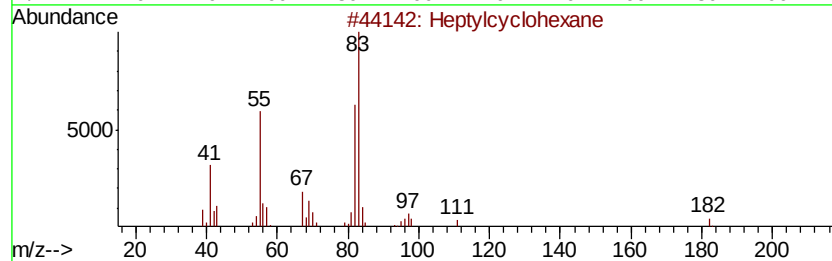
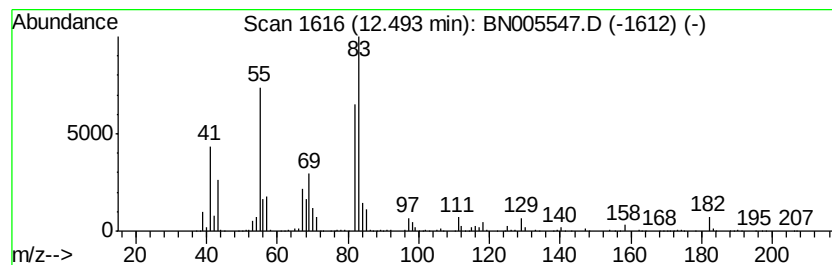
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Quant Title : SVOA CALIBRATION

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

Peak Number 23 (DEL) Alkane: Straight-Chai... Concentration Rank 28

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.49	13.36 ng/ul	6252150	Acenaphthene-d10	14.23

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Heptylcyclohexane	182	C13H26	005617-41-4	90
2		Heptylcyclohexane	182	C13H26	005617-41-4	87
3		Cyclohexane, pentyl-	154	C11H22	004292-92-6	72
4		Cyclohexane, (4-methylpentyl)-	168	C12H24	061142-20-9	72
5		Cyclohexane, butyl-	140	C10H20	001678-93-9	72



Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN050819\
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Misc :
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ClientSampleId :
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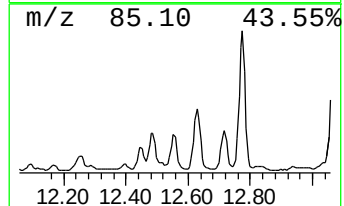
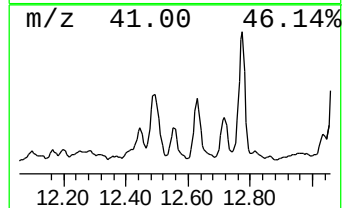
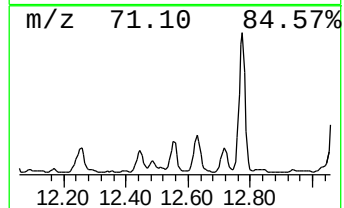
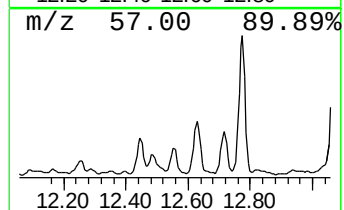
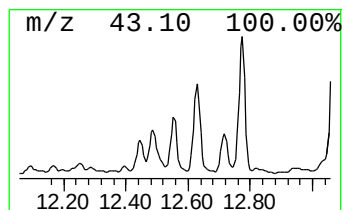
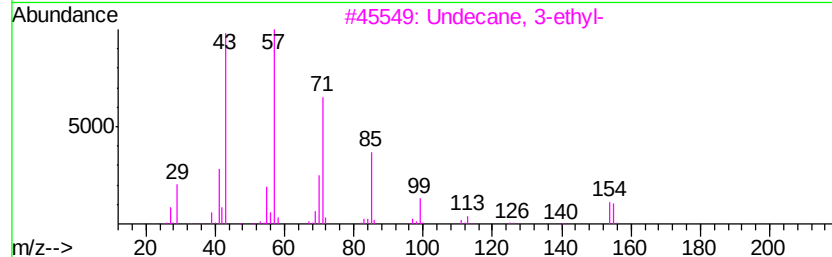
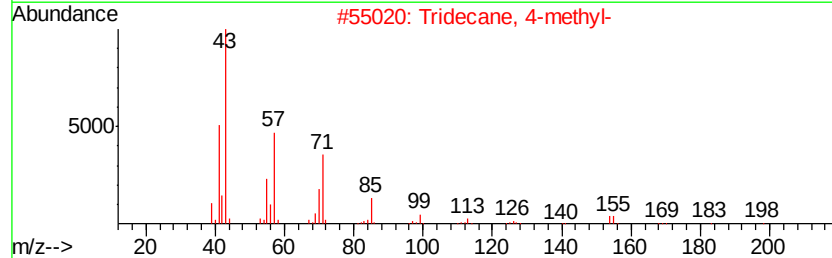
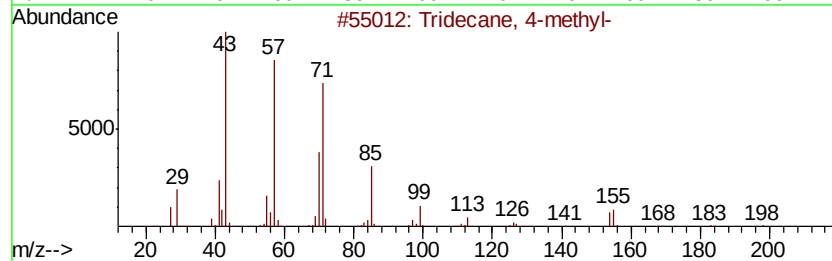
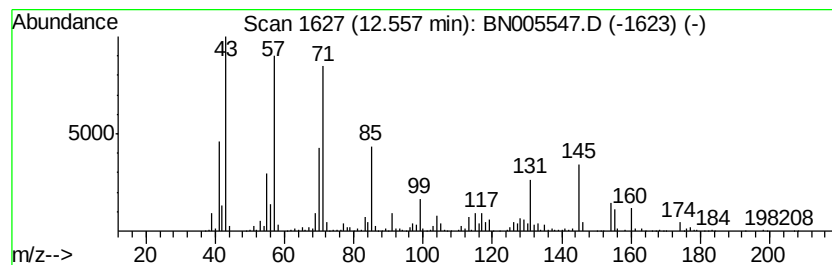
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Quant Title : SVOA CALIBRATION

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

Peak Number 24 (DEL) Alkane: Straight-Chai... Concentration Rank 44

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.56	8.45 ng/ul	3952810	Acenaphthene-d10	14.23

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Tridecane, 4-methyl-	198	C14H30	026730-12-1	96
2			Tridecane, 4-methyl-	198	C14H30	026730-12-1	93
3			Undecane, 3-ethyl-	184	C13H28	017312-58-2	58
4			Dodecane, 4-methyl-	184	C13H28	006117-97-1	52
5			Nonane, 5-butyl-	184	C13H28	017312-63-9	50



Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN050819\
Data File : BN005547.D
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Sample : K2604-13 5X
Misc :
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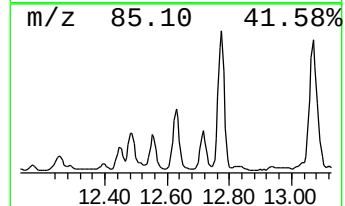
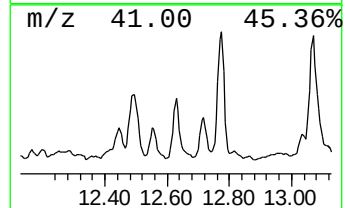
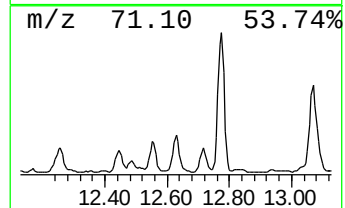
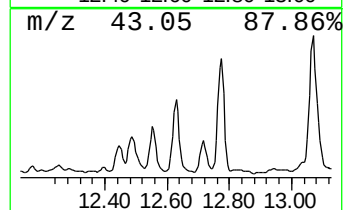
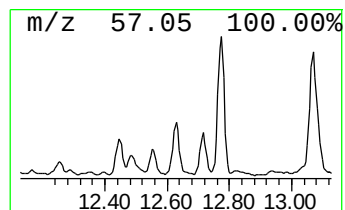
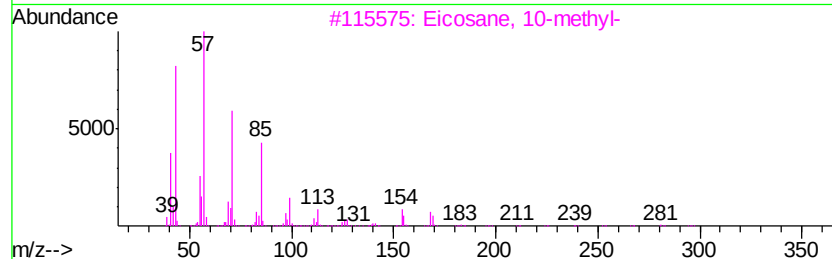
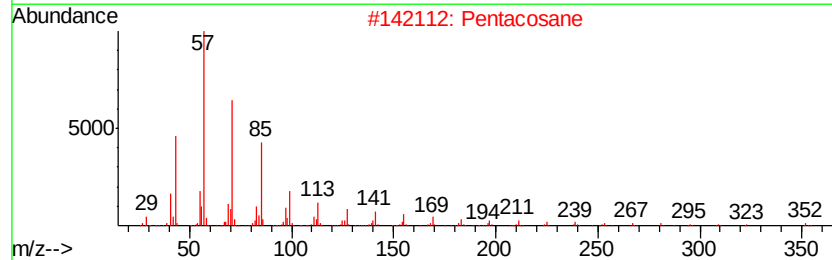
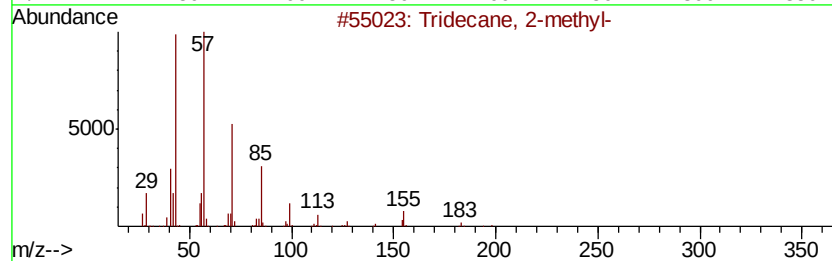
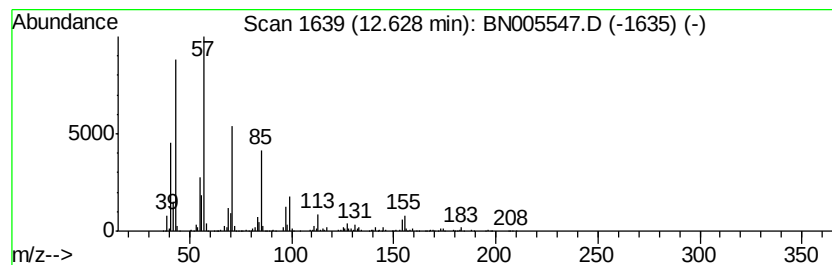
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Quant Title : SVOA CALIBRATION

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

Peak Number 25 (DEL) Alkane: Straight-Chai... Concentration Rank 34

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.63	12.08 ng/ul	5652800	Acenaphthene-d10	14.23
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1		Tridecane, 2-methyl-	198 C14H30	001560-96-9 93
2		Pentacosane	352 C25H52	000629-99-2 80
3		Eicosane, 10-methyl-	296 C21H44	054833-23-7 80
4		Octadecane, 1-iodo-	380 C18H37I	000629-93-6 80
5		Nonane, 4,5-dimethyl-	156 C11H24	017302-23-7 76



Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN050819\
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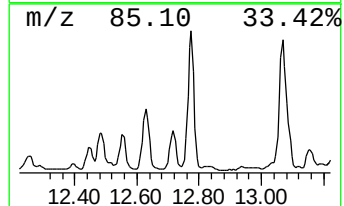
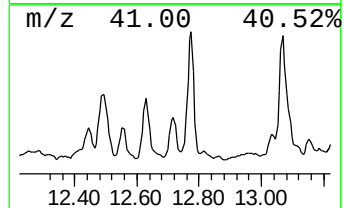
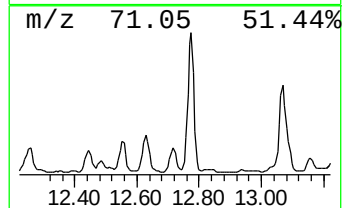
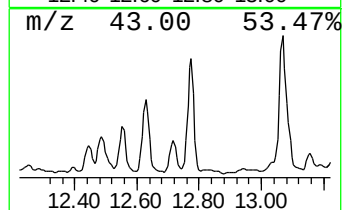
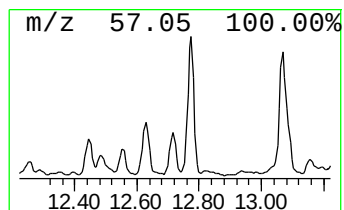
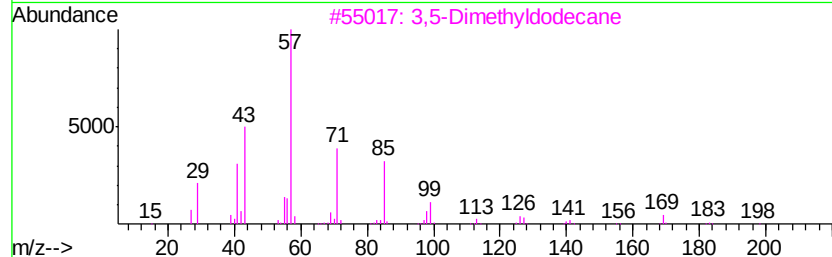
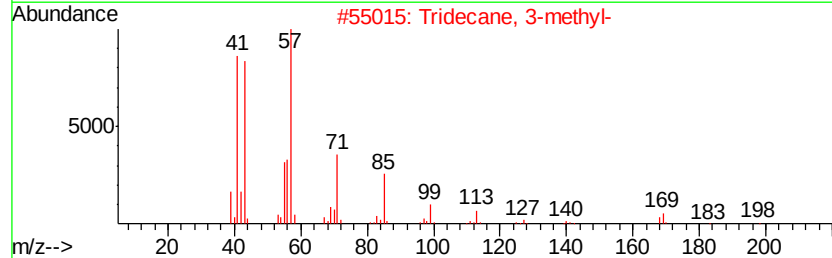
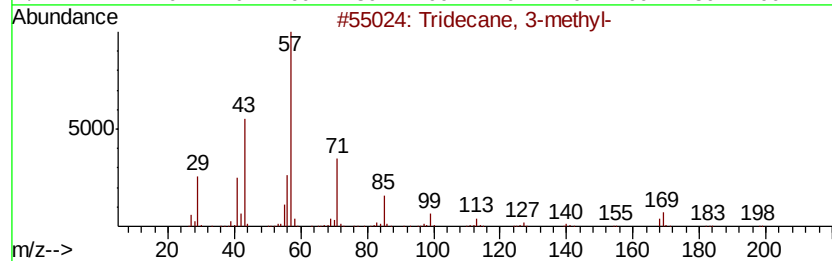
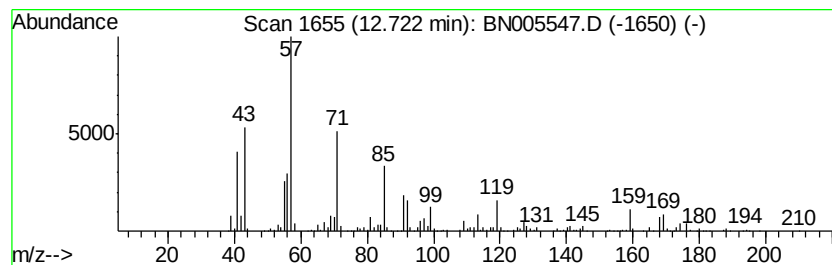
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Quant Title : SVOA CALIBRATION

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

Peak Number 26 (DEL) Alkane: Straight-Chai... Concentration Rank 45

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.72	8.29 ng/ul	3878250	Acenaphthene-d10	14.23

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Tridecane, 3-methyl-	198	C14H30	006418-41-3	96
2		Tridecane, 3-methyl-	198	C14H30	006418-41-3	93
3		3,5-Dimethyldodecane	198	C14H30	107770-99-0	81
4		2-Bromo dodecane	248	C12H25Br	013187-99-0	68
5		Undecane, 2,9-dimethyl-	184	C13H28	017301-26-7	64



Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN050819\
Data File : BN005547.D
Acq On : 09 May 2019 00:02
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Sample : K2604-13 5X
Misc :
ALS Vial : 19 Sample Multiplier: 1

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ClientSampleId :
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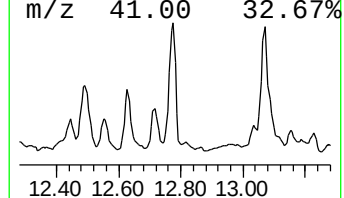
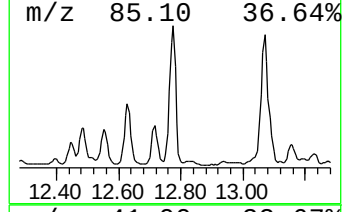
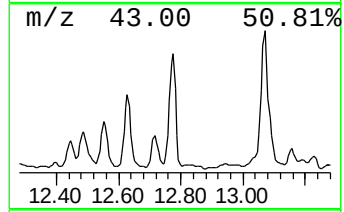
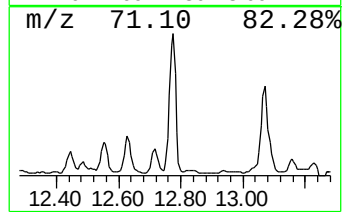
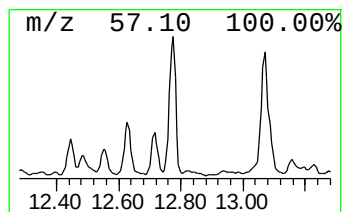
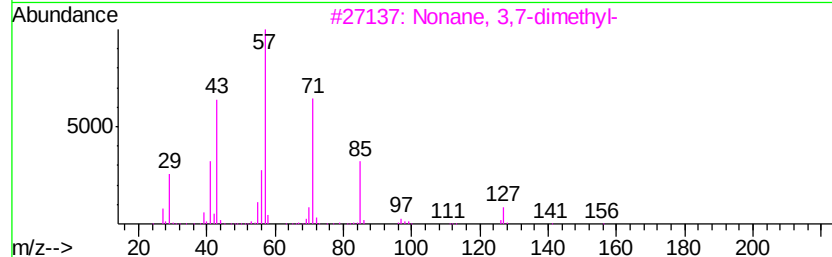
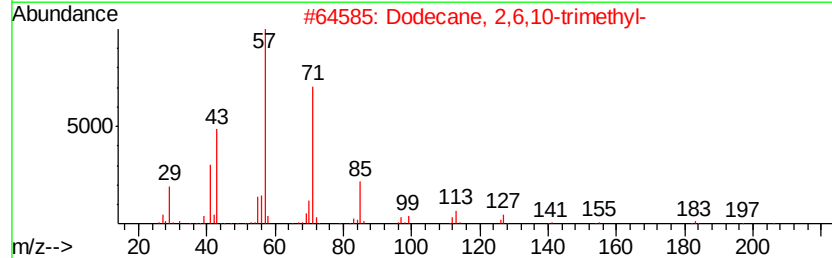
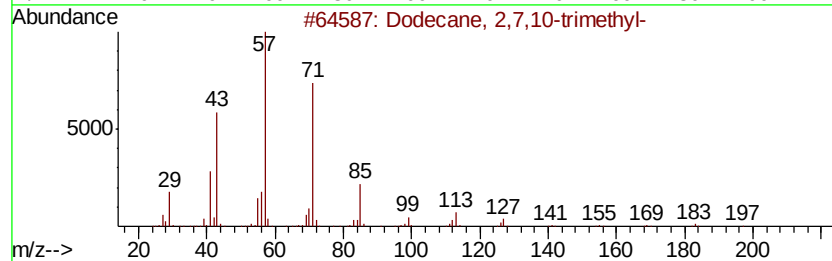
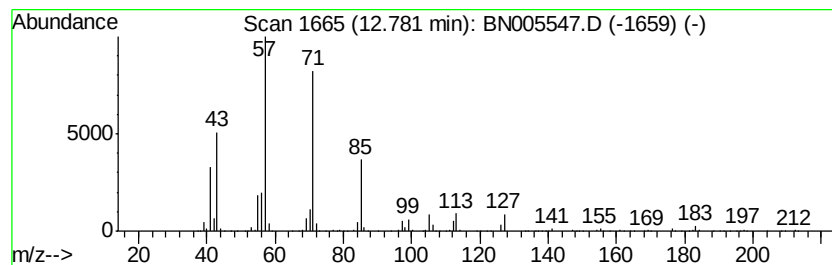
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Quant Title : SVOA CALIBRATION

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

Peak Number 27 (DEL) Alkane: Straight-Chai... Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.78	20.24 ng/ul	9470110	Acenaphthene-d10	14.23

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Dodecane, 2,7,10-trimethyl-	212	C15H32	074645-98-0	90
2		Dodecane, 2,6,10-trimethyl-	212	C15H32	003891-98-3	90
3		Nonane, 3,7-dimethyl-	156	C11H24	017302-32-8	87
4		Dodecane, 2,6,11-trimethyl-	212	C15H32	031295-56-4	83
5		Octane, 2,6-dimethyl-	142	C10H22	002051-30-1	80



Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN050819\
Data File : BN005547.D
Acq On : 09 May 2019 00:02
Operator : JU/SJ
Sample : K2604-13 5X
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampled :
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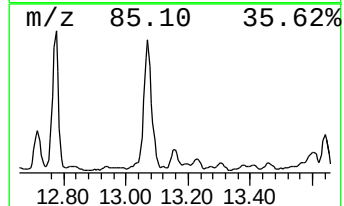
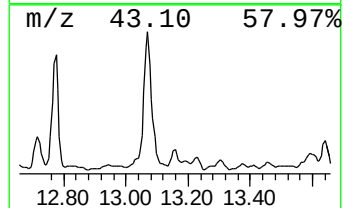
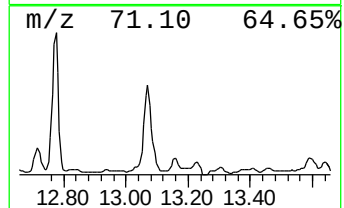
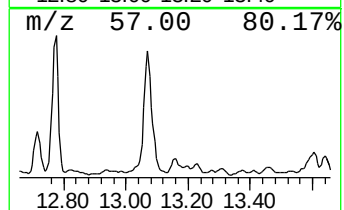
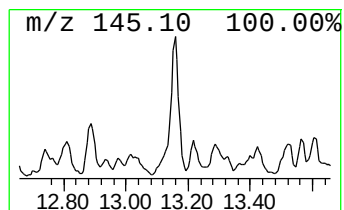
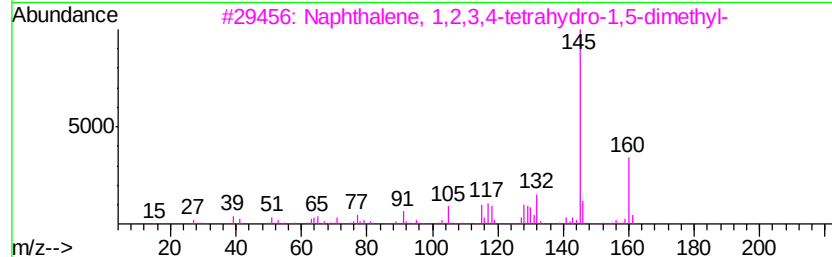
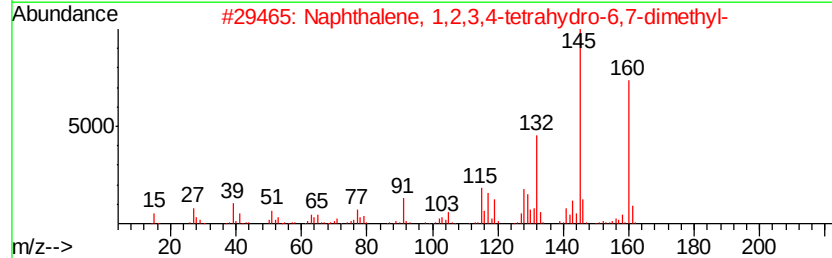
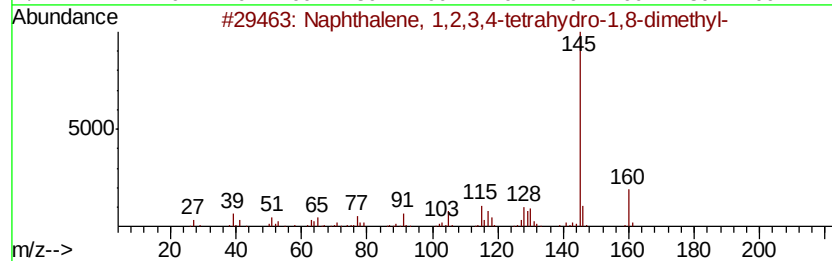
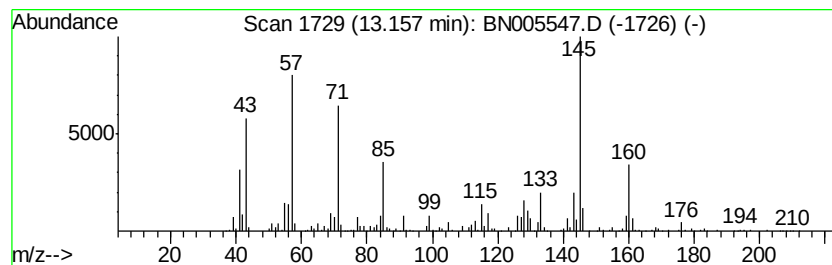
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Quant Title : SVOA CALIBRATION

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

Peak Number 28 Naphthalene, 1,2,3,4-tetra... Concentration Rank 55

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.16	3.53 ng/ul	1652720	Acenaphthene-d10	14.23

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphthalene, 1,2,3,4-tetrahydro-...	160	C12H16	025419-33-4	60
2		Naphthalene, 1,2,3,4-tetrahydro-...	160	C12H16	001076-61-5	60
3		Naphthalene, 1,2,3,4-tetrahydro-...	160	C12H16	021564-91-0	60
4		Naphthalene, 1,2,3,4-tetrahydro-...	160	C12H16	004175-54-6	55
5		1H-Indene, 2,3-dihydro-1,1,3-tri...	160	C12H16	002613-76-5	55



Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN050819\
Data File : BN005547.D
Acq On : 09 May 2019 00:02
Operator : JU/SJ
Sample : K2604-13 5X
Misc :
ALS Vial : 19 Sample Multiplier: 1

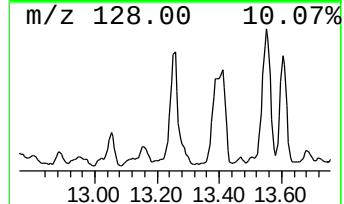
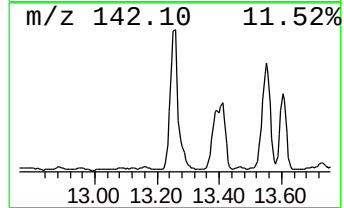
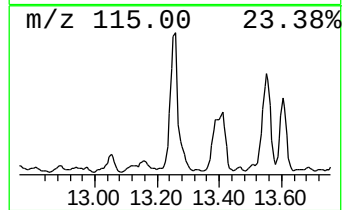
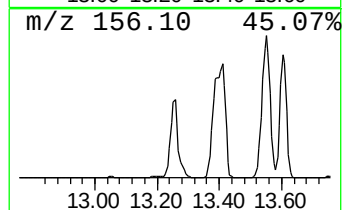
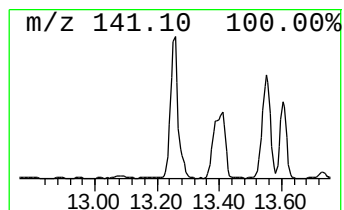
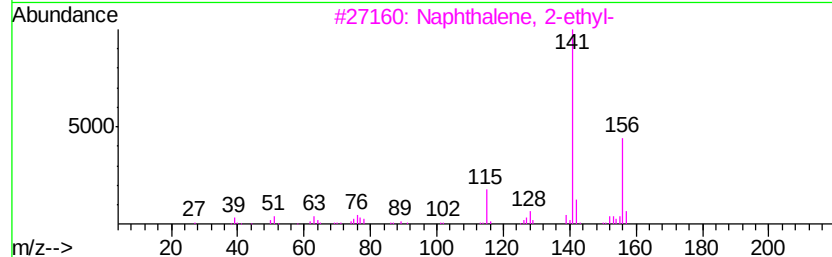
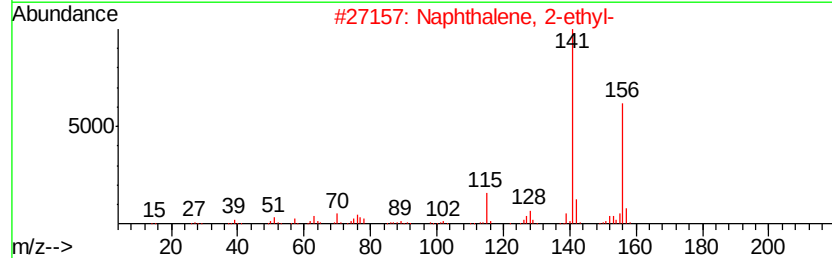
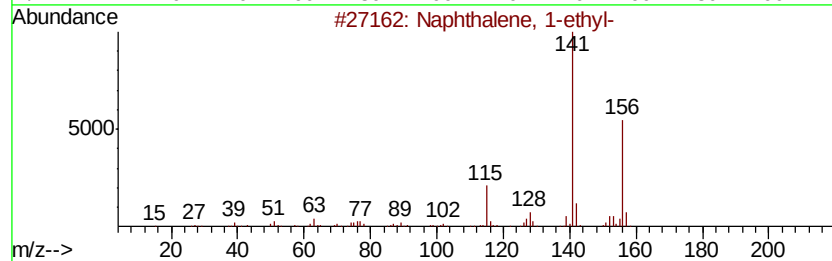
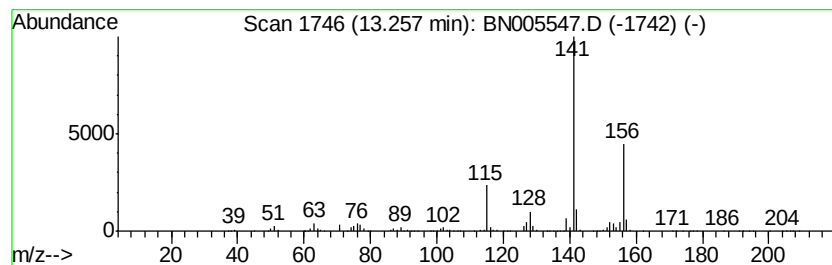
Instrument :
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ClientSampleId :
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN041919MA.M
Quant Title : SVOA CALIBRATION

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

Peak Number 29 Naphthalene, 1-ethyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.26	28.02 ng/ul	13107100	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, 2-ethyl-	156 C12H12	000939-27-5 94
4		Naphthalene, 1-ethyl-	156 C12H12	001127-76-0 94
5		Naphthalene, 1-ethyl-	156 C12H12	001127-76-0 93



Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN050819\
Data File : BN005547.D
Acq On : 09 May 2019 00:02
Operator : JU/SJ
Sample : K2604-13 5X
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
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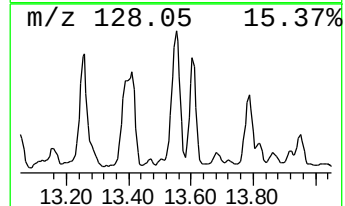
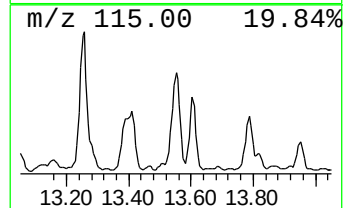
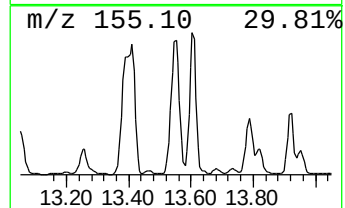
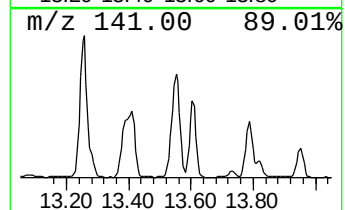
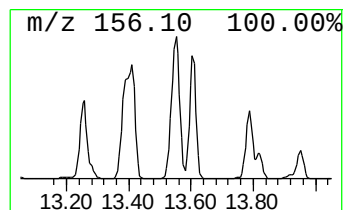
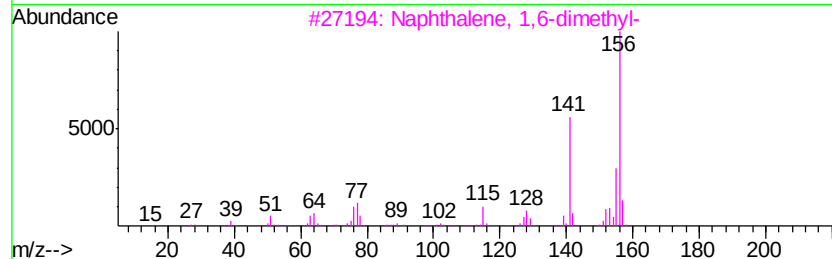
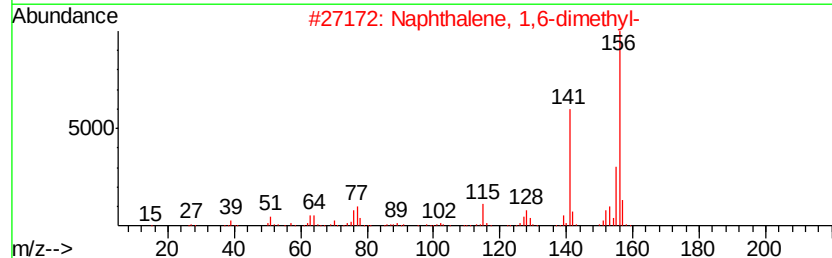
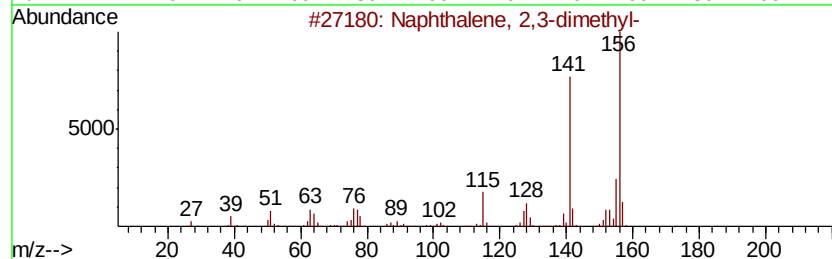
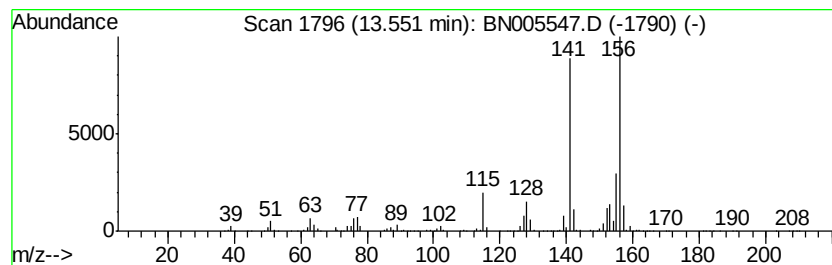
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Quant Title : SVOA CALIBRATION

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

Peak Number 30 Naphthalene, 2,3-dimethyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.55	27.85 ng/ul	13029300	Acenaphthene-d10	14.23

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	97
2		Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	97
3		Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	97
4		Naphthalene, 1,5-dimethyl-	156	C12H12	000571-61-9	97
5		Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	97



Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN050819\
Data File : BN005547.D
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Operator : JU/SJ
Sample : K2604-13 5X
Misc :
ALS Vial : 19 Sample Multiplier: 1

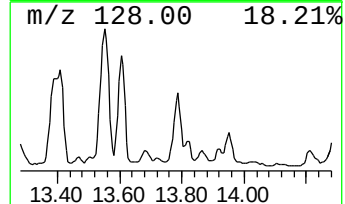
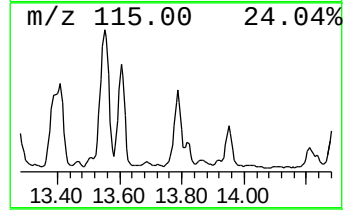
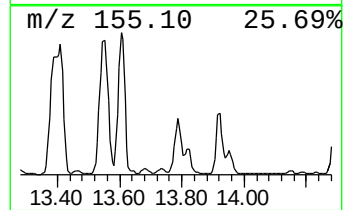
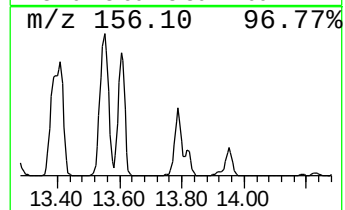
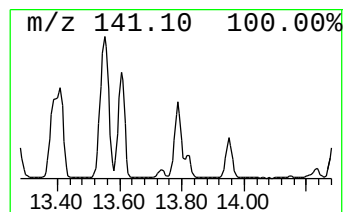
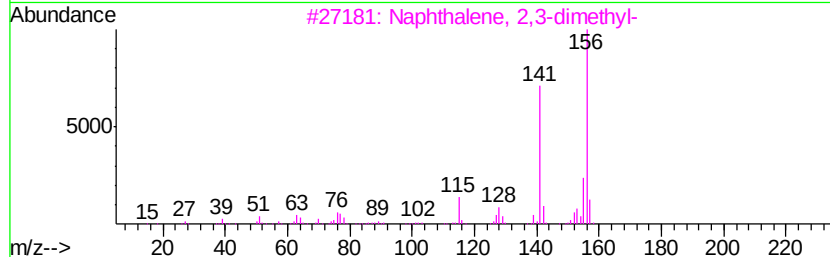
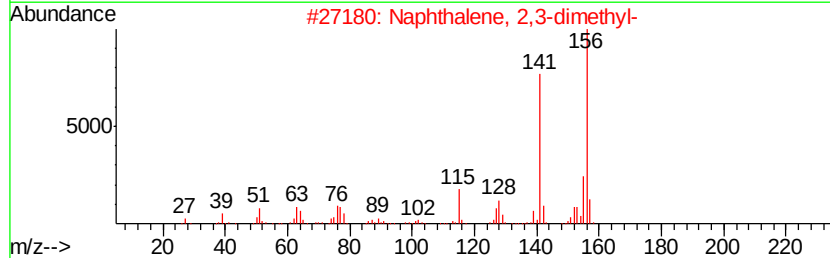
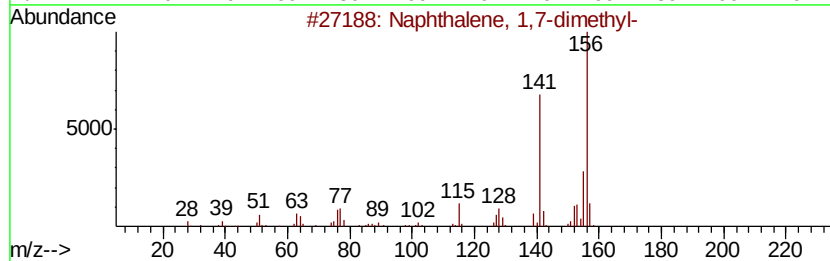
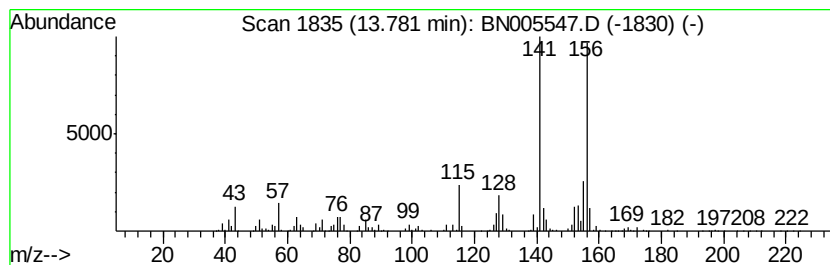
Instrument :
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ClientSampleId :
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Quant Title : SVOA CALIBRATION

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

Peak Number 31 Naphthalene, 1,7-dimethyl- Concentration Rank 27

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.78	14.10 ng/ul	6598160	Acenaphthene-d10	14.23
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1		Naphthalene, 1,7-dimethyl-	156 C12H12	000575-37-1 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, 2,3-dimethyl-	156 C12H12	000581-40-8 97
5		Naphthalene, 1,5-dimethyl-	156 C12H12	000571-61-9 97



Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN050819\
Data File : BN005547.D
Acq On : 09 May 2019 00:02
Operator : JU/SJ
Sample : K2604-13 5X
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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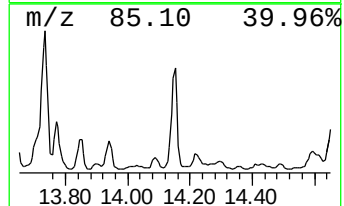
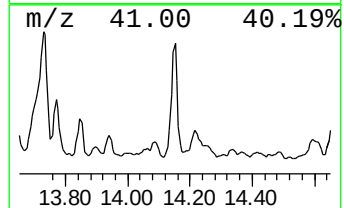
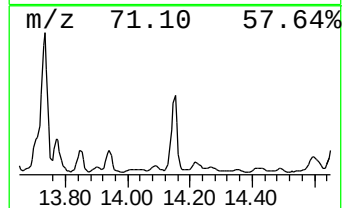
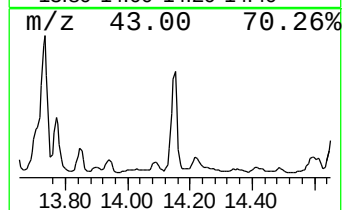
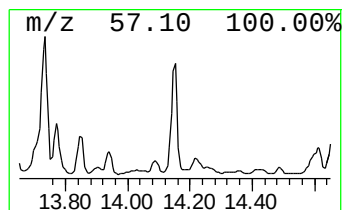
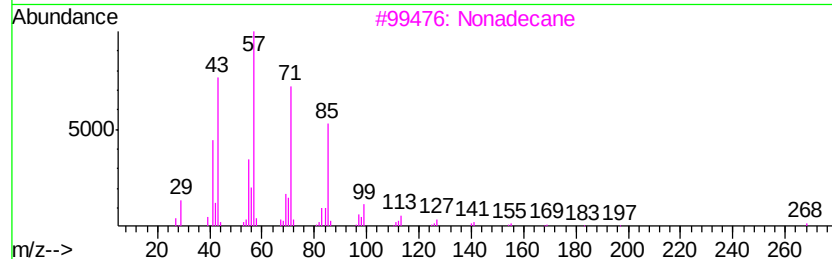
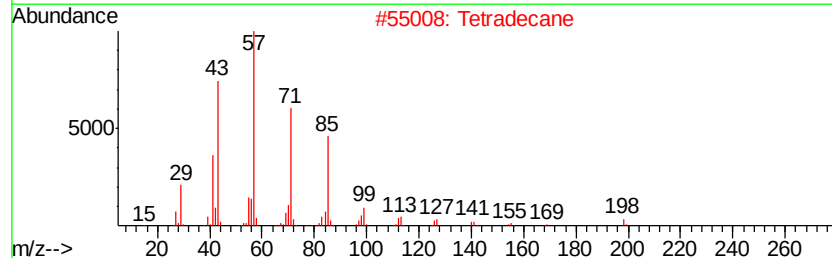
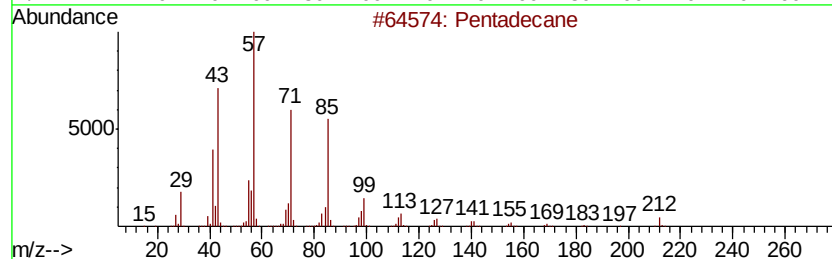
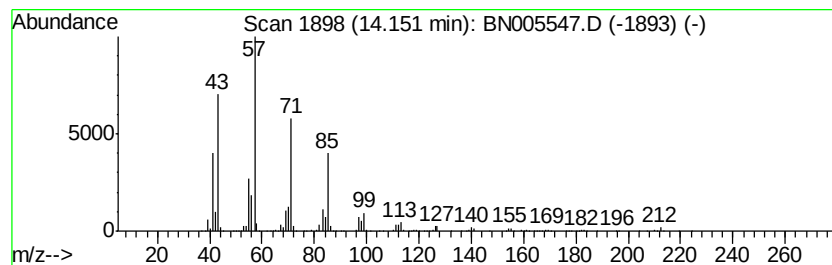
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Quant Title : SVOA CALIBRATION

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

Peak Number 32 (DEL) Alkane: Straight-Chai... Concentration Rank 29

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.15	13.27 ng/ul	6208570	Acenaphthene-d10	14.23

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Pentadecane	212	C15H32	000629-62-9	95
2		Tetradecane	198	C14H30	000629-59-4	91
3		Nonadecane	268	C19H40	000629-92-5	91
4		Tetradecane	198	C14H30	000629-59-4	91
5		Dodecane	170	C12H26	000112-40-3	90



Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN050819\
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Acq On : 09 May 2019 00:02
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Sample : K2604-13 5X
Misc :
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Instrument :
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ClientSampleId :
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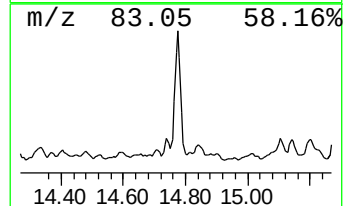
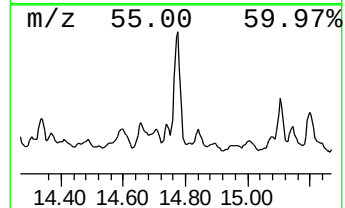
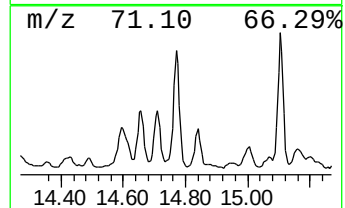
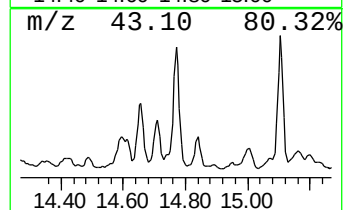
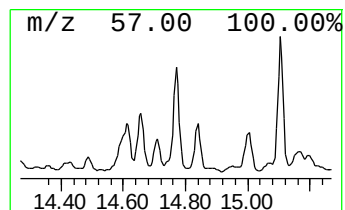
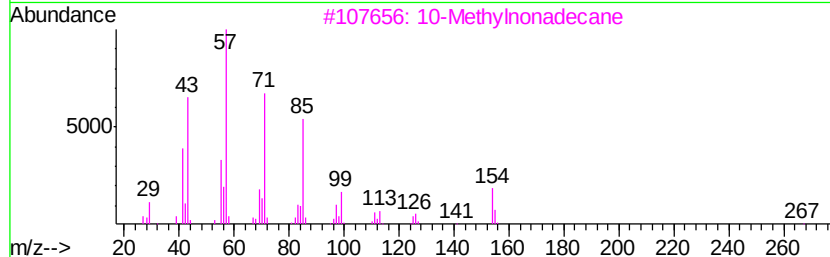
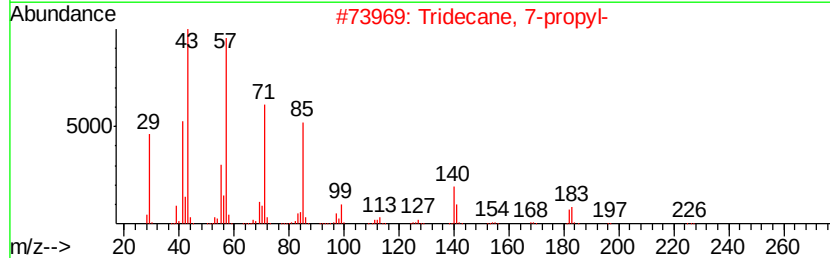
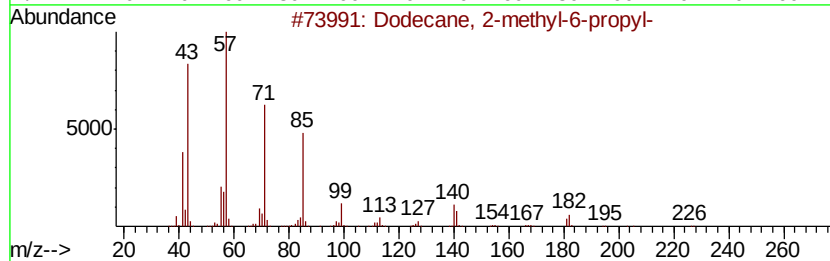
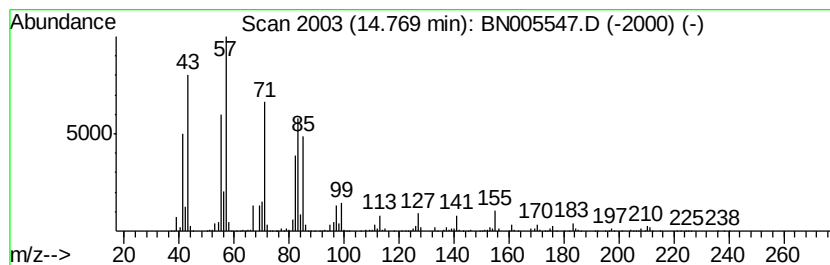
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Quant Title : SVOA CALIBRATION

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

Peak Number 34 (DEL) Alkane: Straight-Chai... Concentration Rank 37

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.77	11.13 ng/ul	5208980	Acenaphthene-d10	14.23

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Dodecane, 2-methyl-6-propyl-	226	C16H34	055045-08-4	91
2		Tridecane, 7-propyl-	226	C16H34	055045-09-5	64
3		10-Methylnonadecane	282	C20H42	056862-62-5	58
4		Tetradecane, 4-ethyl-	226	C16H34	055045-14-2	55
5		Dodecane	170	C12H26	000112-40-3	55



Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN050819\
Data File : BN005547.D
Acq On : 09 May 2019 00:02
Operator : JU/SJ
Sample : K2604-13 5X
Misc :
ALS Vial : 19 Sample Multiplier: 1

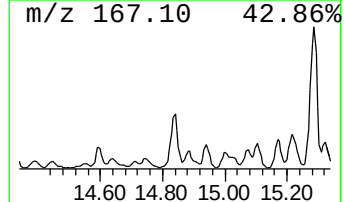
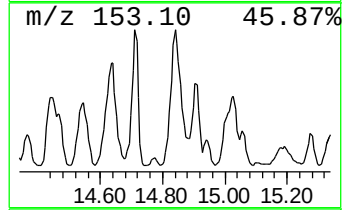
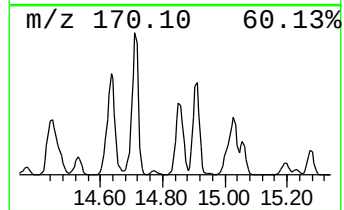
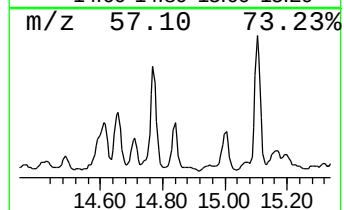
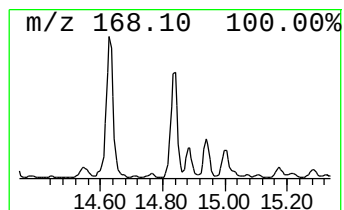
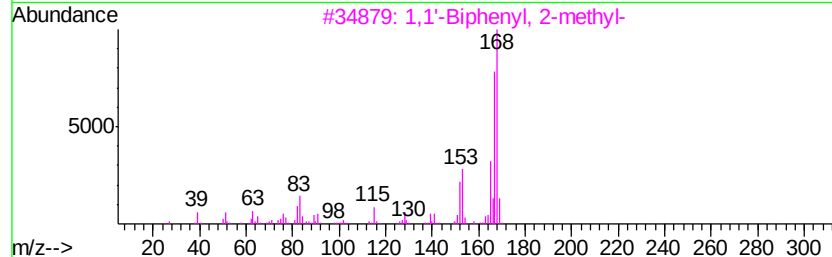
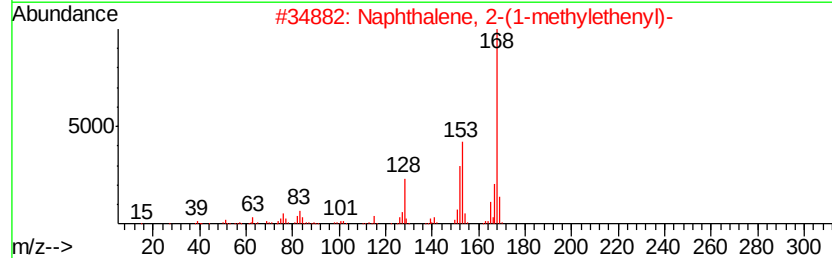
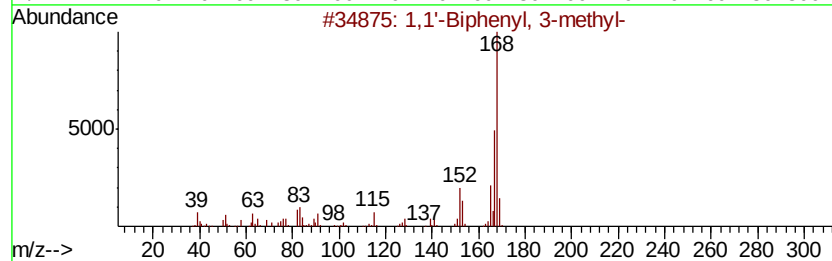
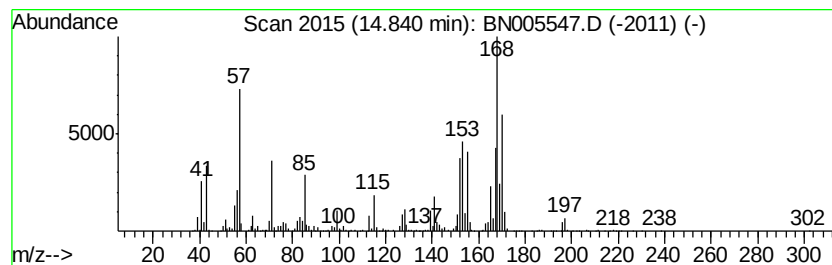
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ClientSampleId :
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN041919MA.M
Quant Title : SVOA CALIBRATION

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

Peak Number 35 unknown-01 Concentration Rank 38

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.84	10.90 ng/ul	5098720	Acenaphthene-d10	14.23
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1		1,1'-Biphenyl, 3-methyl-	168 C13H12	000643-93-6 45
2		Naphthalene, 2-(1-methylethenyl)-	168 C13H12	003710-23-4 43
3		1,1'-Biphenyl, 2-methyl-	168 C13H12	000643-58-3 38
4		1,1'-Biphenyl, 2-methyl-	168 C13H12	000643-58-3 35
5		Naphthalene, 1-(2-propenyl)-	168 C13H12	002489-86-3 30



Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN050819\
Data File : BN005547.D
Acq On : 09 May 2019 00:02
Operator : JU/SJ
Sample : K2604-13 5X
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
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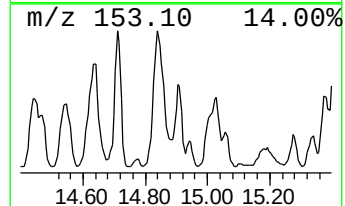
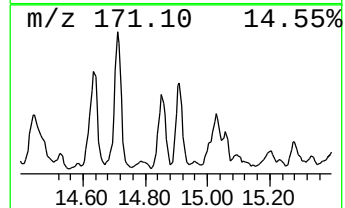
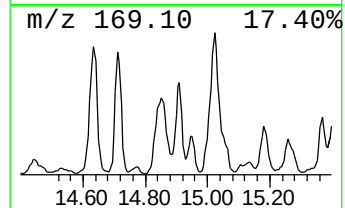
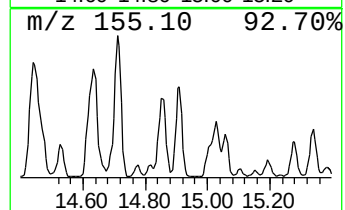
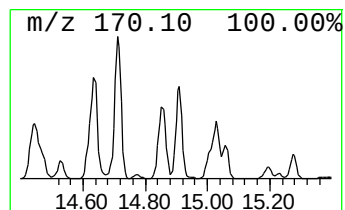
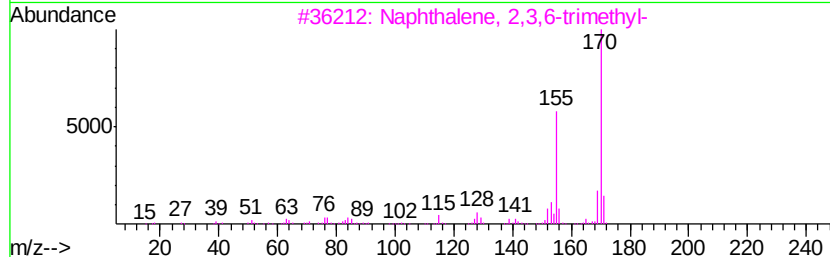
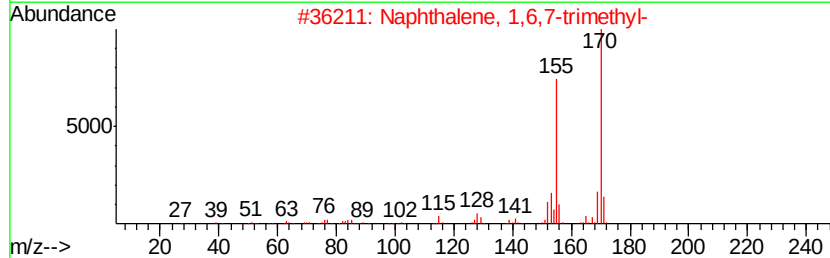
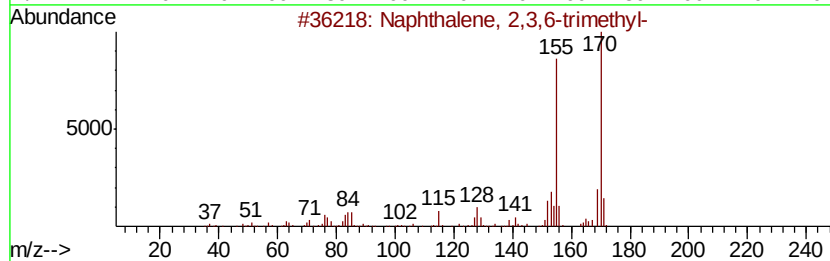
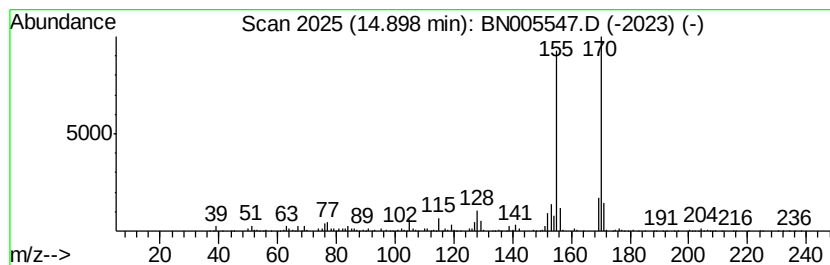
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Quant Title : SVOA CALIBRATION

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

Peak Number 36 Naphthalene, 2,3,6-trimethyl- Concentration Rank 49

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.90	5.32 ng/ul	2488260	Acenaphthene-d10	14.23

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	97
2			Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	96
3			Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	94
4			Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	90
5			3-(2-Methyl-propenyl)-1H-indene	170	C13H14	1000187-78-5	90



Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN050819\
Data File : BN005547.D
Acq On : 09 May 2019 00:02
Operator : JU/SJ
Sample : K2604-13 5X
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
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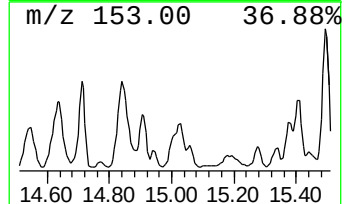
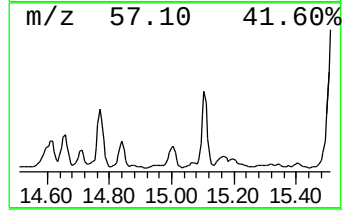
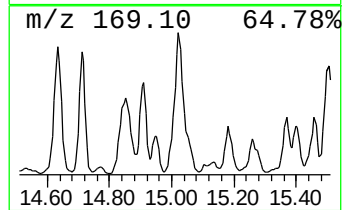
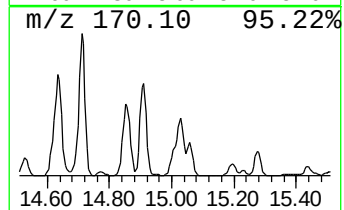
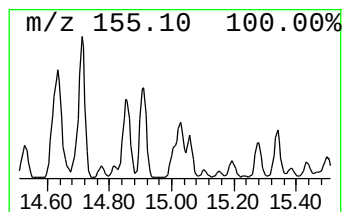
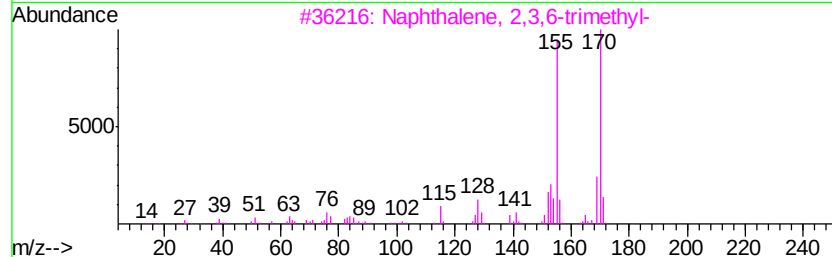
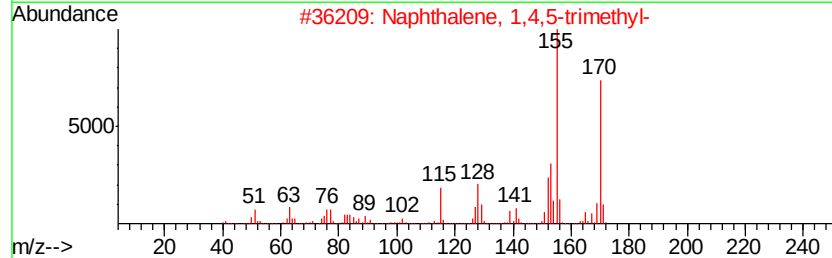
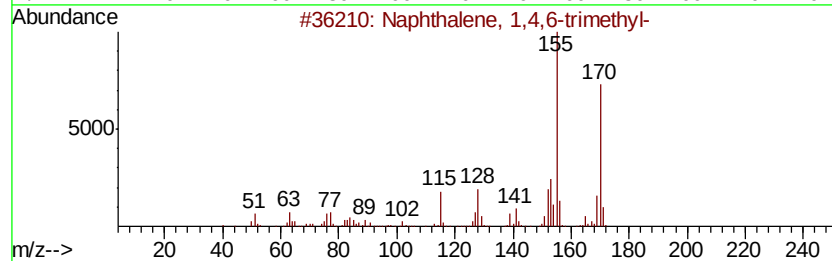
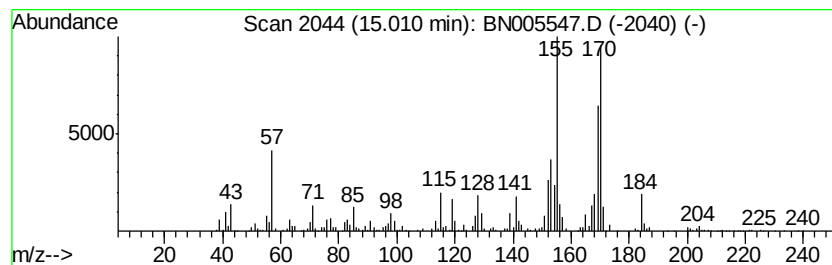
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Quant Title : SVOA CALIBRATION

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

Peak Number 37 Naphthalene, 1,4,6-trimethyl- Concentration Rank 53

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.01	3.73 ng/ul	1746640	Acenaphthene-d10	14.23

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphthalene, 1,4,6-trimethyl-	170	C13H14	002131-42-2	95
2		Naphthalene, 1,4,5-trimethyl-	170	C13H14	002131-41-1	93
3		Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	76
4		Azulene, 4,6,8-trimethyl-	170	C13H14	000941-81-1	76
5		1-(2,2-Dimethylcyclopropyl)-2-ph...	170	C13H14	1000294-91-1	76



Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN050819\
Data File : BN005547.D
Acq On : 09 May 2019 00:02
Operator : JU/SJ
Sample : K2604-13 5X
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
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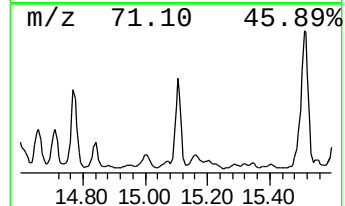
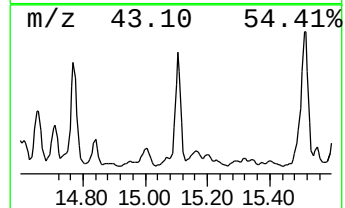
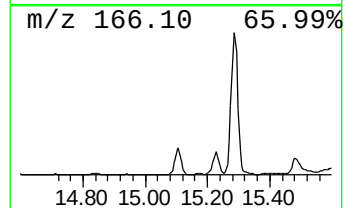
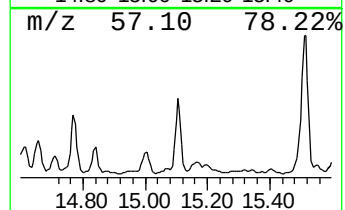
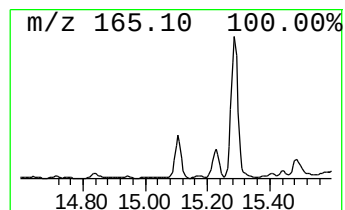
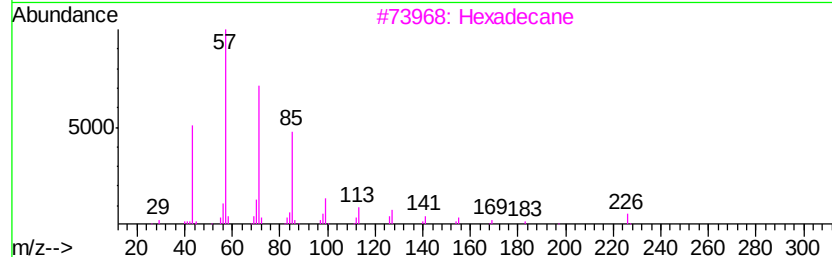
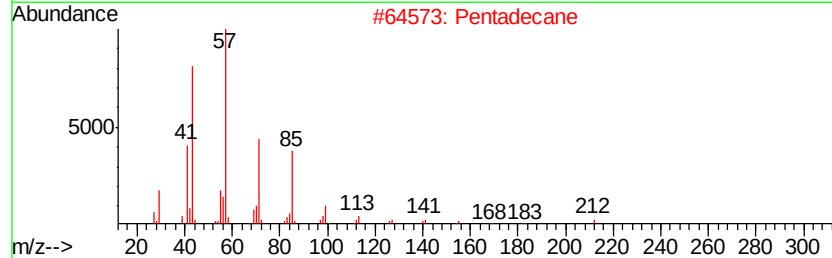
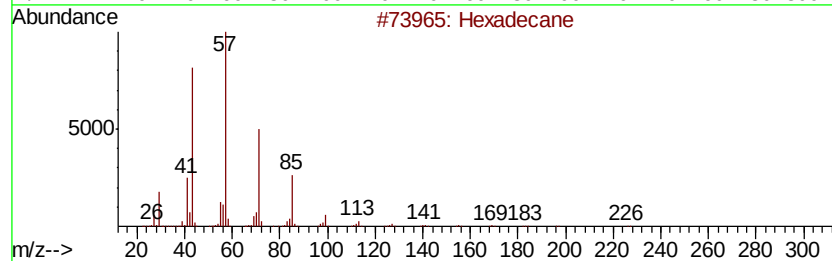
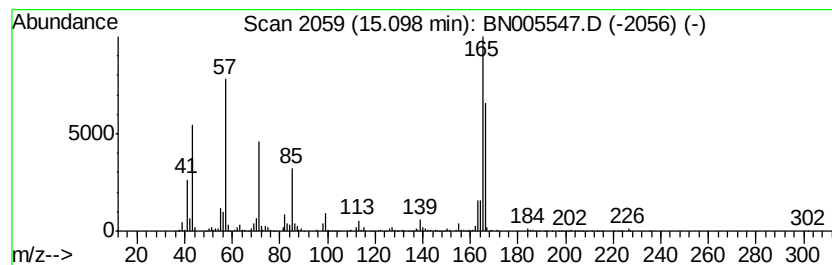
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Quant Title : SVOA CALIBRATION

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

Peak Number 38 (DEL) Alkane: Straight-Chai... Concentration Rank 33

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.10	12.26 ng/ul	5735180	Acenaphthene-d10	14.23

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Hexadecane	226	C16H34	000544-76-3	74
2		Pentadecane	212	C15H32	000629-62-9	43
3		Hexadecane	226	C16H34	000544-76-3	35
4		Hexadecane	226	C16H34	000544-76-3	35
5		Tridecane, 1-iodo-	310	C13H27I	035599-77-0	30



Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN050819\
Data File : BN005547.D
Acq On : 09 May 2019 00:02
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Sample : K2604-13 5X
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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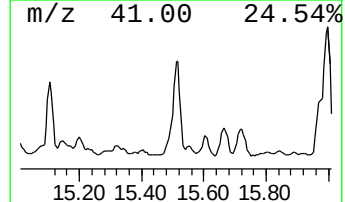
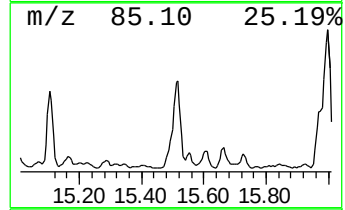
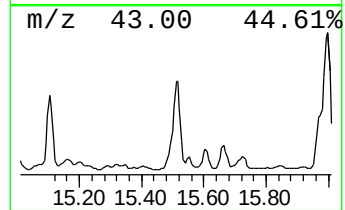
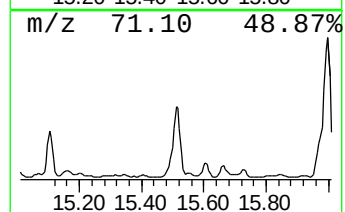
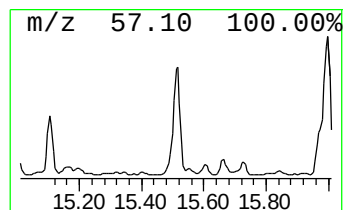
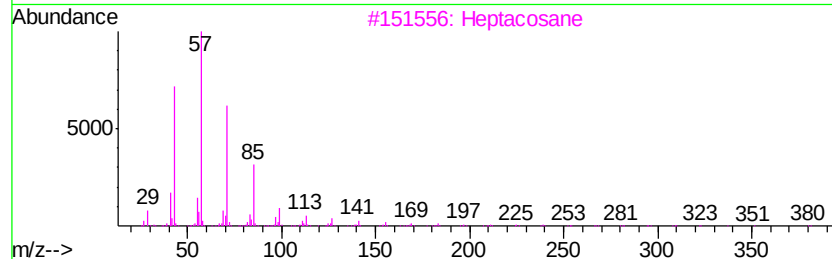
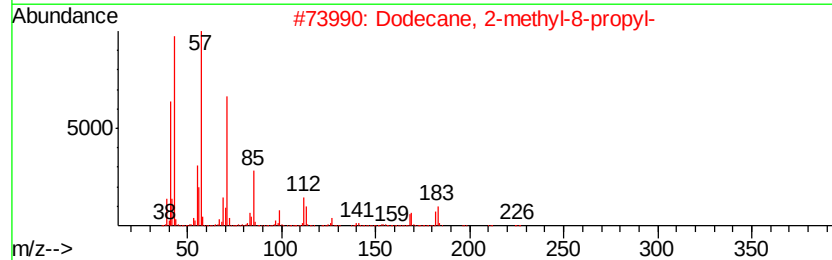
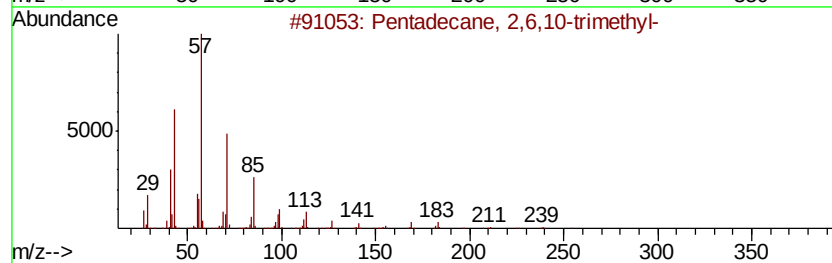
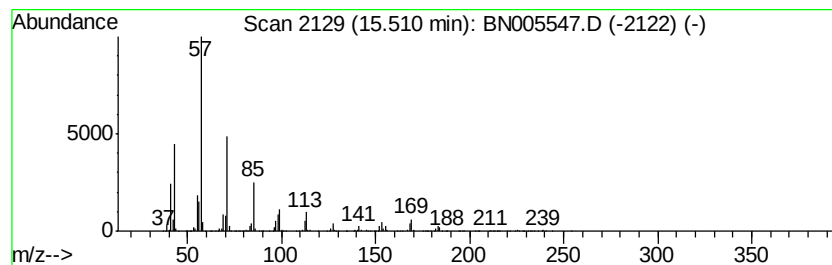
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Quant Title : SVOA CALIBRATION

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

Peak Number 39 (DEL) Alkane: Straight-Chai... Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.51	21.77 ng/ul	10184300	Acenaphthene-d10	14.23

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Pentadecane, 2,6,10-trimethyl-	254	C18H38	003892-00-0	93
2		Dodecane, 2-methyl-8-propyl-	226	C16H34	055045-07-3	90
3		Heptacosane	380	C27H56	000593-49-7	72
4		Decane, 3,6-dimethyl-	170	C12H26	017312-53-7	68
5		Tridecane	184	C13H28	000629-50-5	64



Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN050819\
Data File : BN005547.D
Acq On : 09 May 2019 00:02
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Misc :
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ClientSampleId :
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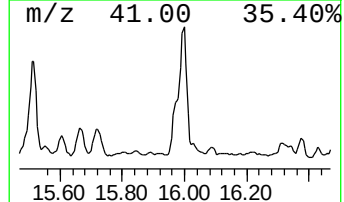
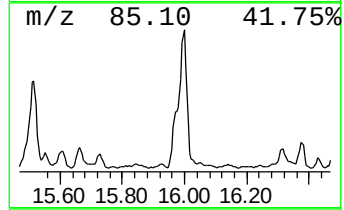
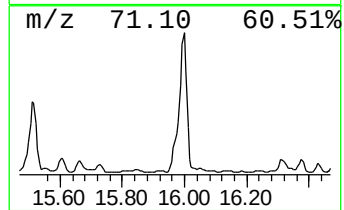
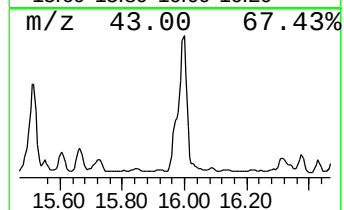
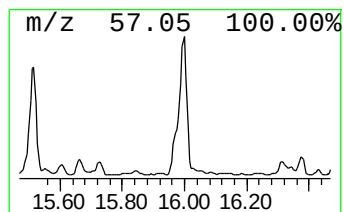
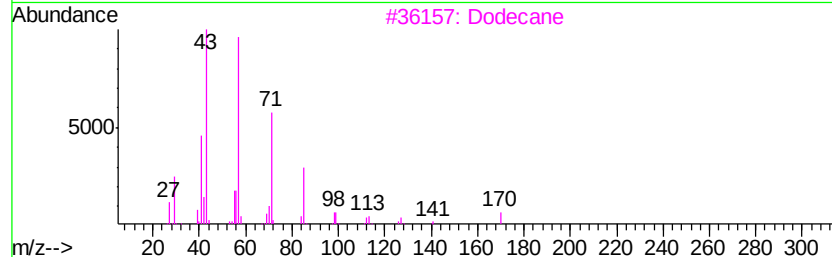
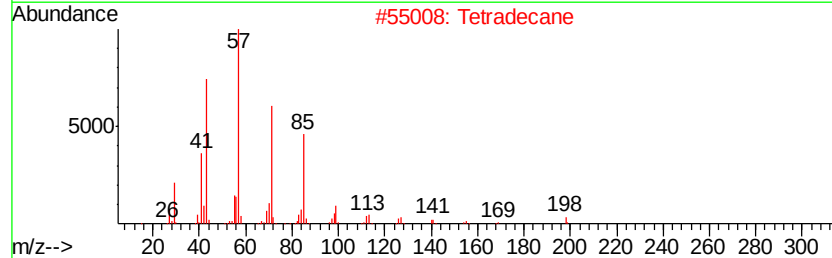
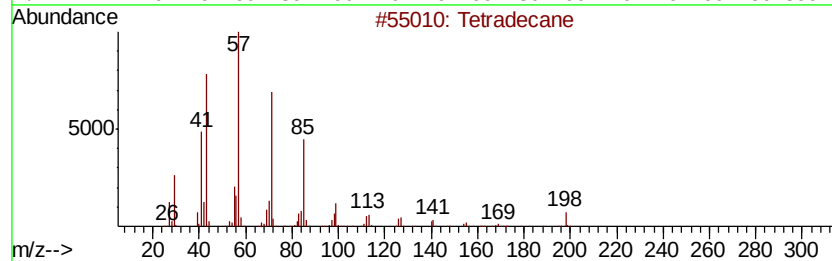
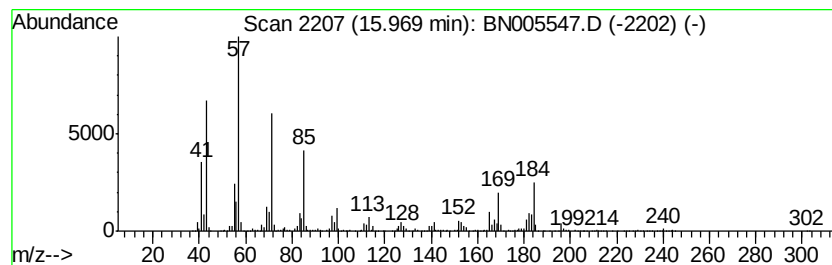
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Quant Title : SVOA CALIBRATION

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

Peak Number 41 (DEL) Alkane: Straight-Chai... Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.97	19.62 ng/ul	3824030	Phenanthrene-d10	16.98

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Tetradecane	198	C14H30	000629-59-4	91
2		Tetradecane	198	C14H30	000629-59-4	90
3		Dodecane	170	C12H26	000112-40-3	60
4		Octacosane	394	C28H58	000630-02-4	60
5		Heptacosane	380	C27H56	000593-49-7	60



Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN050819\
Data File : BN005547.D
Acq On : 09 May 2019 00:02
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Sample : K2604-13 5X
Misc :
ALS Vial : 19 Sample Multiplier: 1

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ClientSampleId :
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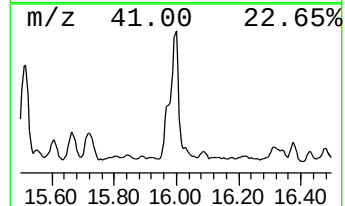
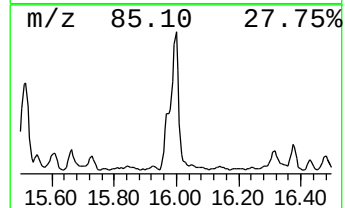
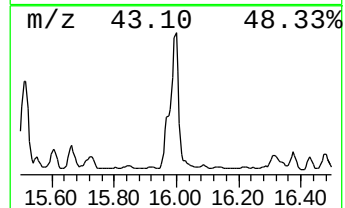
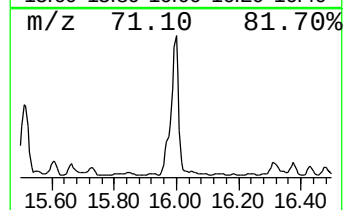
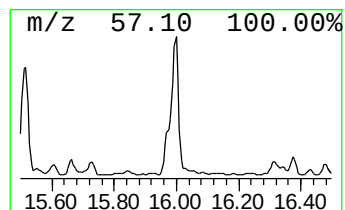
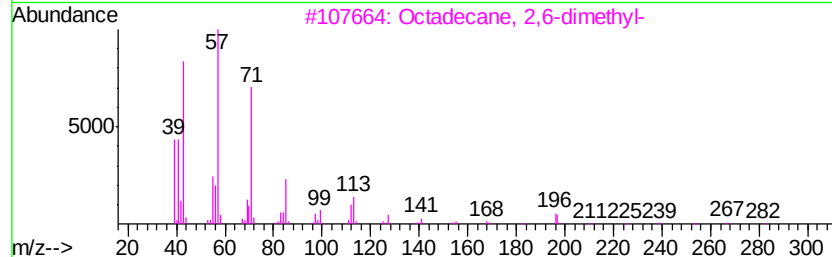
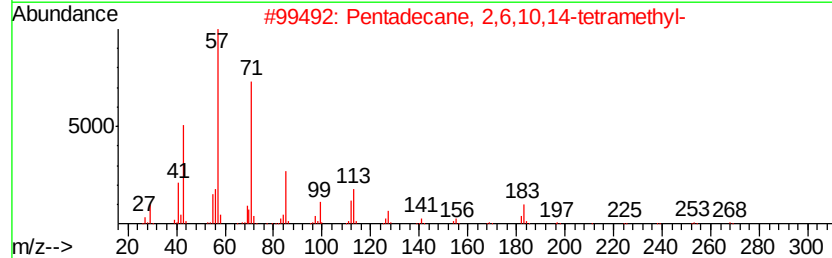
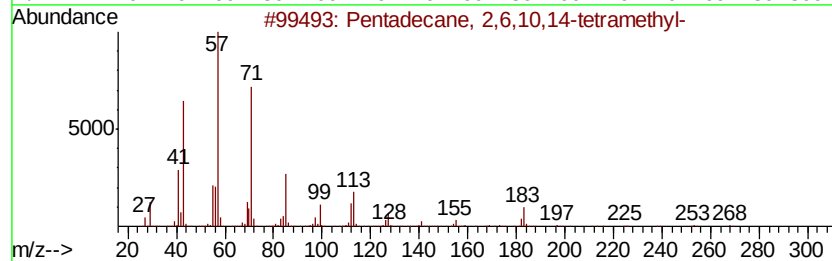
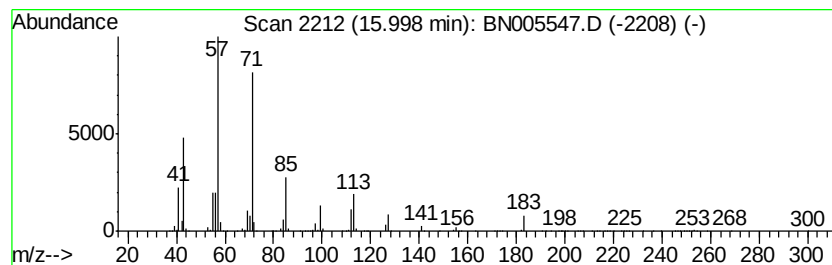
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Quant Title : SVOA CALIBRATION

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

Peak Number 42 (DEL) Alkane: Straight-Chai... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.00	55.82 ng/ul	10878200	Phenanthrene-d10	16.98

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Pentadecane, 2,6,10,14-tetramethyl-	268	C19H40	001921-70-6	91
2		Pentadecane, 2,6,10,14-tetramethyl-	268	C19H40	001921-70-6	91
3		Octadecane, 2,6-dimethyl-	282	C20H42	075163-97-2	83
4		Octane, 3,6-dimethyl-	142	C10H22	015869-94-0	81
5		Heptadecane, 2,6-dimethyl-	268	C19H40	054105-67-8	80



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Data File : BN005547.D
Acq On : 09 May 2019 00:02
Operator : JU/SJ
Sample : K2604-13 5X
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
GAJ87

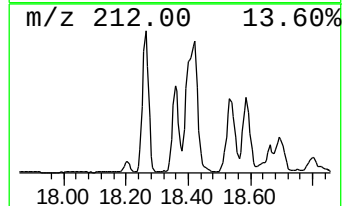
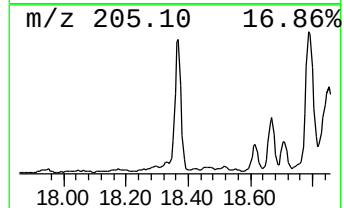
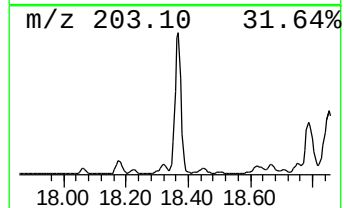
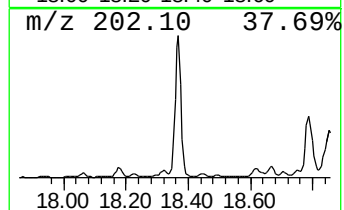
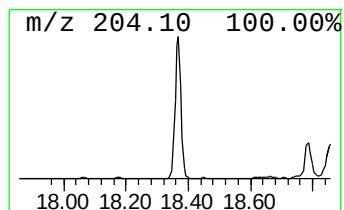
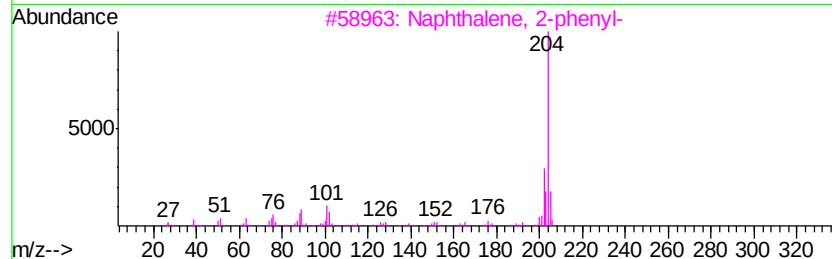
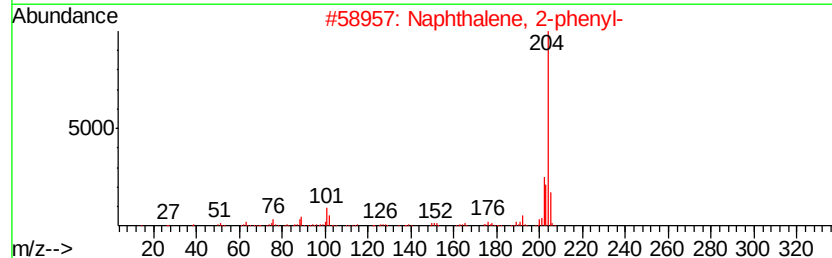
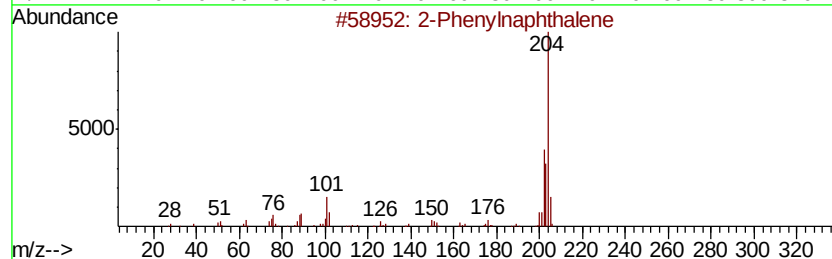
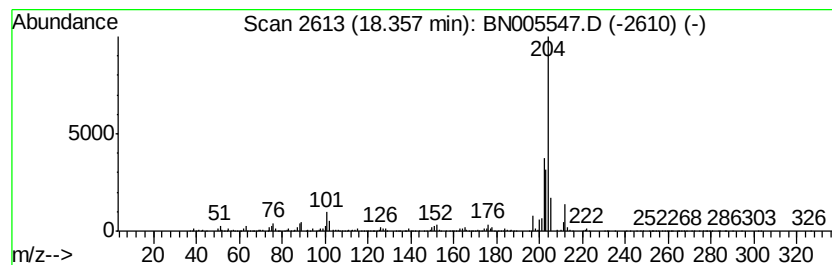
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Quant Title : SVOA CALIBRATION

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

Peak Number 53 2-Phenylnaphthalene Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.36	23.74 ng/ul	4626700	Phenanthrene-d10	16.98

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	2-Phenylnaphthalene	204	C16H12	035465-71-5	93
2		Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	76
3		Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	76
4		Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	76
5		Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	76



Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN050819\
 Data File : BN005547.D
 Acq On : 09 May 2019 00:02
 Operator : JU/SJ
 Sample : K2604-13 5X
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 GAJ87

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
(DEL) Alkane: Str...	7.23	25.7	ng/ul	4466910	1	7.59	3477020	20.0
Benzene, 1,2,3-tr...	7.70	10.4	ng/ul	1813560	1	7.59	3477020	20.0
(DEL) Alkane: Cyc...	7.87	13.0	ng/ul	2258840	1	7.59	3477020	20.0
Indene	8.12	80.2	ng/ul	13946500	1	7.59	3477020	20.0
Benzene, 1-ethyl-...	8.68	28.4	ng/ul	4931200	1	7.59	3477020	20.0
(DEL) Alkane: Str...	8.82	75.6	ng/ul	13147000	1	7.59	3477020	20.0
Naphthalene, deca...	9.54	2.6	ng/ul	3170490	2	10.36	24348900	20.0
(DEL) Alkane: Str...	9.63	3.7	ng/ul	4523030	2	10.36	24348900	20.0
(DEL) Alkane: Str...	9.72	2.4	ng/ul	2907760	2	10.36	24348900	20.0
Benzene, 1-methyl...	9.77	3.4	ng/ul	4185980	2	10.36	24348900	20.0
Cyclopentane, 1,1...	10.27	2.8	ng/ul	3458390	2	10.36	24348900	20.0
(DEL) Alkane: Str...	10.53	9.8	ng/ul	11934100	2	10.36	24348900	20.0
(DEL) Alkane: Cyc...	10.59	2.2	ng/ul	2718960	2	10.36	24348900	20.0
(DEL) Alkane: Str...	11.06	3.1	ng/ul	3741980	2	10.36	24348900	20.0
(DEL) Alkane: Str...	11.20	2.7	ng/ul	3288010	2	10.36	24348900	20.0
(DEL) Alkane: Str...	11.29	4.1	ng/ul	5023420	2	10.36	24348900	20.0
(DEL) Alkane: Str...	11.40	11.4	ng/ul	13842100	2	10.36	24348900	20.0
(DEL) Alkane: Str...	11.80	11.6	ng/ul	14084100	2	10.36	24348900	20.0
Naphthalene, 1-me...	12.26	19.7	ng/ul	23953300	2	10.36	24348900	20.0
(DEL) Alkane: Str...	12.49	13.4	ng/ul	6252150	3	14.23	9356560	20.0
(DEL) Alkane: Str...	12.56	8.4	ng/ul	3952810	3	14.23	9356560	20.0
(DEL) Alkane: Str...	12.63	12.1	ng/ul	5652800	3	14.23	9356560	20.0
(DEL) Alkane: Str...	12.72	8.3	ng/ul	3878250	3	14.23	9356560	20.0
(DEL) Alkane: Str...	12.78	20.2	ng/ul	9470110	3	14.23	9356560	20.0
Naphthalene, 1,2,...	13.16	3.5	ng/ul	1652720	3	14.23	9356560	20.0
Naphthalene, 1-et...	13.26	28.0	ng/ul	13107100	3	14.23	9356560	20.0
Naphthalene, 2,3-...	13.55	27.9	ng/ul	13029300	3	14.23	9356560	20.0
Naphthalene, 1,7-...	13.78	14.1	ng/ul	6598160	3	14.23	9356560	20.0
(DEL) Alkane: Str...	14.15	13.3	ng/ul	6208570	3	14.23	9356560	20.0
(DEL) Alkane: Str...	14.77	11.1	ng/ul	5208980	3	14.23	9356560	20.0
unknown-01	14.84	10.9	ng/ul	5098720	3	14.23	9356560	20.0
Naphthalene, 2,3,...	14.90	5.3	ng/ul	2488260	3	14.23	9356560	20.0
Naphthalene, 1,4,...	15.01	3.7	ng/ul	1746640	3	14.23	9356560	20.0
(DEL) Alkane: Str...	15.10	12.3	ng/ul	5735180	3	14.23	9356560	20.0
(DEL) Alkane: Str...	15.51	21.8	ng/ul	10184300	3	14.23	9356560	20.0
(DEL) Alkane: Str...	15.97	19.6	ng/ul	3824030	4	16.98	3897840	20.0
(DEL) Alkane: Str...	16.00	55.8	ng/ul	10878200	4	16.98	3897840	20.0
2-Phenyl naphthalene	18.36	23.7	ng/ul	4626700	4	16.98	3897840	20.0