

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN050219\
 Data File : BN005429.D
 Acq On : 02 May 2019 23:03
 Operator : JU/SJ
 Sample : K2456-03MEDL 10X
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 GAHS3MEDL

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	5.634	444	450	460	rVB3	51782	142607	1.18%	0.123%
2	6.775	638	644	650	rBV	105504	190862	1.58%	0.165%
3	6.940	664	672	679	rBV	98732	157469	1.30%	0.136%
4	7.134	699	705	712	rVB	118402	185251	1.53%	0.160%
5	7.252	718	725	733	rBV2	242104	422442	3.49%	0.366%
6	7.593	776	783	792	rBV	980953	1565521	12.95%	1.355%
7	8.116	864	872	883	rBV	702844	1158626	9.58%	1.003%
8	8.299	897	903	910	rVB	110289	193879	1.60%	0.168%
9	8.734	972	977	987	rVV	121182	243665	2.02%	0.211%
10	9.452	1090	1099	1106	rVV2	98381	194255	1.61%	0.168%
11	9.793	1143	1157	1163	rBV4	219115	525185	4.34%	0.455%
12	9.857	1163	1168	1172	rBV	179243	332883	2.75%	0.288%
13	9.987	1184	1190	1198	rBV3	108817	230383	1.91%	0.199%
14	10.352	1244	1252	1256	rBV	1470171	2578466	21.32%	2.232%
15	10.404	1256	1261	1271	rVV	7295591	12092213	100.00%	10.468%
16	10.504	1271	1278	1288	rVV2	135801	370128	3.06%	0.320%
17	12.022	1527	1536	1548	rBV	3700635	5943239	49.15%	5.145%
18	12.246	1562	1574	1585	rBV	2155063	3581008	29.61%	3.100%
19	13.051	1703	1711	1721	rBV	625301	957859	7.92%	0.829%
20	13.251	1738	1745	1756	rVB2	135644	333500	2.76%	0.289%
21	13.381	1760	1767	1768	rBV	437346	550858	4.56%	0.477%
22	13.545	1787	1795	1800	rBV	842064	1494743	12.36%	1.294%
23	13.598	1800	1804	1808	rVV	523008	779683	6.45%	0.675%
24	13.640	1808	1811	1814	rVV	353122	517539	4.28%	0.448%
25	13.675	1814	1817	1824	rVV2	509616	828989	6.86%	0.718%
26	13.781	1829	1835	1839	rVV	400477	644025	5.33%	0.558%
27	13.810	1839	1840	1850	rVB2	124635	144543	1.20%	0.125%
28	13.916	1851	1858	1859	rBV	416395	587912	4.86%	0.509%
29	13.945	1859	1863	1874	rVB	1498616	2338037	19.34%	2.024%
30	14.222	1901	1910	1917	rVV3	2314430	3992918	33.02%	3.456%
31	14.287	1917	1921	1924	rVV	239219	353240	2.92%	0.306%
32	14.316	1924	1926	1931	rVB	115678	155512	1.29%	0.135%
33	14.451	1942	1949	1957	rBV4	65831	203691	1.68%	0.176%
34	14.628	1970	1979	1988	rBV2	294193	591405	4.89%	0.512%

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

35	14.710	1988	1993	1997	rVB	175739	235477	1.95%	0.204%
36	14.840	2008	2015	2021	rBV3	240654	549177	4.54%	0.475%
37	14.998	2037	2042	2044	rBV2	102633	140563	1.16%	0.122%
38	15.104	2055	2060	2066	rVB	307104	433955	3.59%	0.376%
39	15.222	2075	2080	2085	rVB	712499	1012590	8.37%	0.877%
40	15.281	2085	2090	2101	rVB	1576238	2435231	20.14%	2.108%
41	15.487	2121	2125	2135	rVB3	83209	213919	1.77%	0.185%
42	15.581	2135	2141	2144	rBV2	142877	231319	1.91%	0.200%
43	15.692	2155	2160	2164	rBV2	388240	561540	4.64%	0.486%
44	15.728	2164	2166	2174	rVB3	107875	193519	1.60%	0.168%
45	15.969	2200	2207	2211	rBV2	108486	181394	1.50%	0.157%
46	16.287	2253	2261	2266	rVV	320387	713022	5.90%	0.617%
47	16.334	2266	2269	2276	rVV	197987	316232	2.62%	0.274%
48	16.439	2282	2287	2292	rVV	193362	296516	2.45%	0.257%
49	16.645	2318	2322	2328	rVB2	129657	191839	1.59%	0.166%
50	16.798	2343	2348	2362	rVB	511624	844301	6.98%	0.731%
51	16.981	2372	2379	2382	rBV	3163401	4571358	37.80%	3.957%
52	17.022	2382	2386	2392	rVV	5861829	8348085	69.04%	7.227%
53	17.075	2392	2395	2398	rVV	554157	823757	6.81%	0.713%
54	17.110	2398	2401	2408	rVV	1268957	1774194	14.67%	1.536%
55	17.175	2408	2412	2418	rVB2	90516	148671	1.23%	0.129%
56	17.504	2464	2468	2472	rVV	176507	219529	1.82%	0.190%
57	17.563	2473	2478	2488	rVB2	251502	415381	3.44%	0.360%
58	17.704	2494	2502	2509	rVB2	161017	344363	2.85%	0.298%
59	17.857	2522	2528	2532	rBV	980929	1400576	11.58%	1.212%
60	17.904	2532	2536	2545	rVB	1079103	1532376	12.67%	1.327%
61	17.986	2545	2550	2555	rBV	356154	489340	4.05%	0.424%
62	18.051	2555	2561	2565	rVV3	1318925	2350943	19.44%	2.035%
63	18.086	2565	2567	2577	rVB	632940	892140	7.38%	0.772%
64	18.369	2609	2615	2619	rBV	503596	721822	5.97%	0.625%
65	18.669	2662	2666	2669	rBV	139734	162548	1.34%	0.141%
66	18.704	2669	2672	2677	rVB4	100860	149745	1.24%	0.130%
67	18.786	2677	2686	2691	rBV	471678	858952	7.10%	0.744%
68	18.851	2691	2697	2700	rBV2	250388	454755	3.76%	0.394%
69	18.880	2700	2702	2706	rVB	225371	250937	2.08%	0.217%
70	18.928	2706	2710	2712	rBV	111323	160525	1.33%	0.139%
71	19.051	2725	2731	2739	rBV	2455865	3474226	28.73%	3.007%

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72	19.204	2753	2757	2762	rVB	764096	1017692	8.42%	0.881%
73	19.422	2784	2794	2804	rBV2	3460564	5902566	48.81%	5.110%
74	19.504	2804	2808	2814	rVB2	103812	165226	1.37%	0.143%
75	19.757	2846	2851	2860	rBV	268631	556515	4.60%	0.482%
76	19.892	2868	2874	2876	rBV3	275892	446498	3.69%	0.387%
77	19.927	2876	2880	2885	rVB	650840	942674	7.80%	0.816%
78	20.027	2893	2897	2903	rVB	571661	735783	6.08%	0.637%
79	20.086	2903	2907	2911	rBV	391949	502650	4.16%	0.435%
80	20.227	2927	2931	2934	rVV	292277	397241	3.29%	0.344%
81	20.275	2934	2939	2949	rVB	403214	679801	5.62%	0.588%
82	20.645	2998	3002	3006	rBV2	80872	164838	1.36%	0.143%
83	20.851	3033	3037	3040	rVV	207826	263947	2.18%	0.228%
84	20.886	3040	3043	3046	rVV	267418	301228	2.49%	0.261%
85	20.922	3046	3049	3055	rVV	125997	184352	1.52%	0.160%
86	21.210	3090	3098	3101	rBV3	4362022	7358663	60.85%	6.370%
87	21.245	3101	3104	3111	rVB	1133162	1479582	12.24%	1.281%
88	21.763	3188	3192	3197	rVV	296333	476147	3.94%	0.412%
89	21.816	3197	3201	3205	rVB2	213514	319607	2.64%	0.277%
90	21.951	3221	3224	3227	rBV2	122858	181803	1.50%	0.157%
91	21.986	3227	3230	3238	rVB2	246230	328776	2.72%	0.285%
92	22.280	3276	3280	3288	rVB	254690	391073	3.23%	0.339%
93	22.774	3356	3364	3380	rBV2	649366	1850944	15.31%	1.602%
94	22.927	3386	3390	3397	rVB	144366	240112	1.99%	0.208%
95	23.221	3435	3440	3444	rBV	318441	557272	4.61%	0.482%
96	23.269	3444	3448	3452	rVV	361963	642079	5.31%	0.556%
97	23.316	3452	3456	3464	rVB2	709947	1499238	12.40%	1.298%
98	23.410	3465	3472	3479	rBV2	2259210	4327832	35.79%	3.746%
99	23.957	3561	3565	3574	rVB	283167	529245	4.38%	0.458%
100	24.686	3684	3689	3697	rVB	195745	399196	3.30%	0.346%

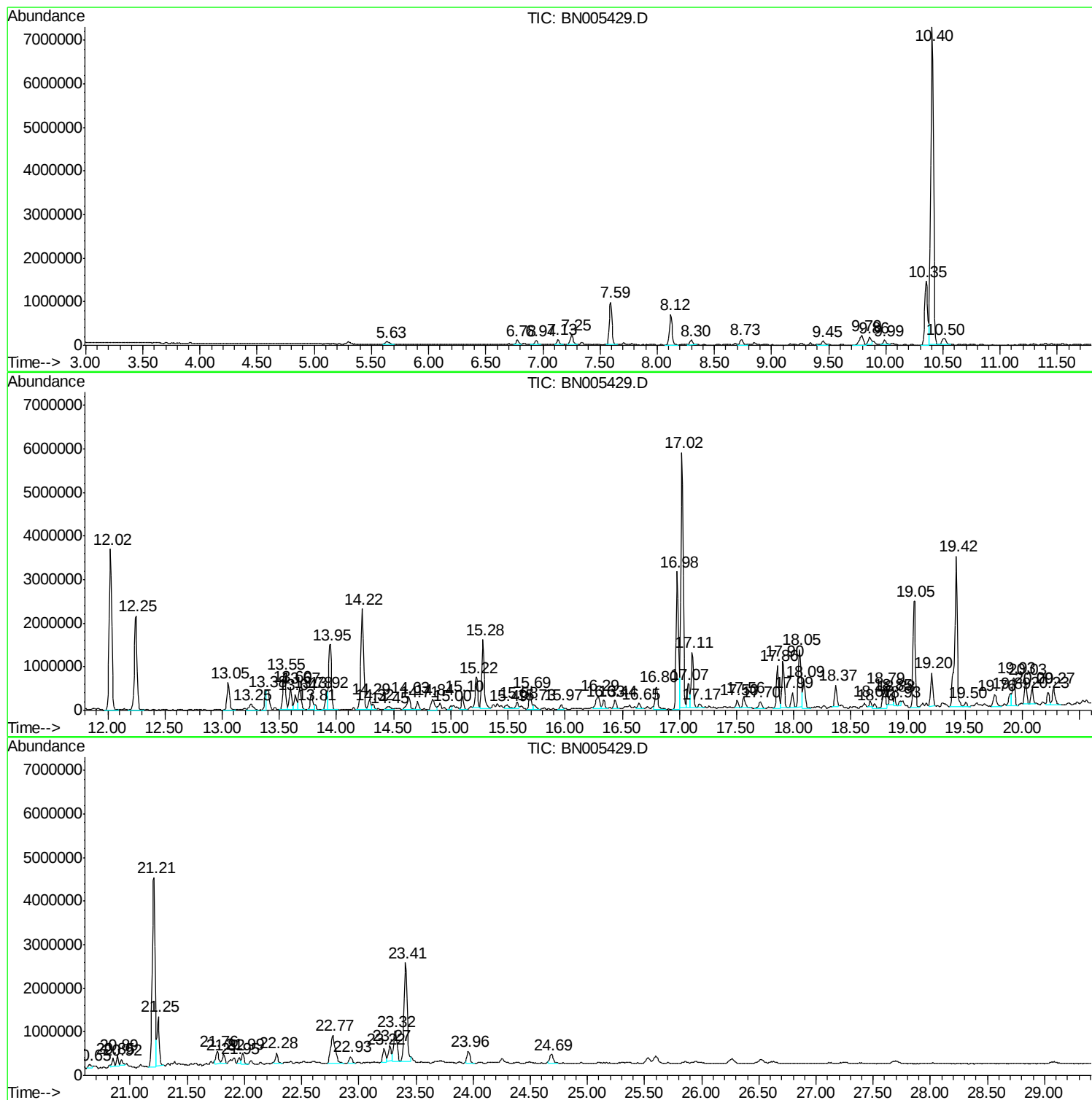
Sum of corrected areas: 115519933

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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



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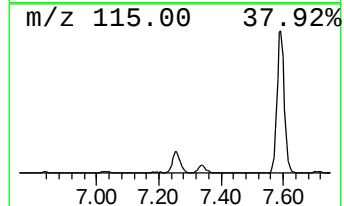
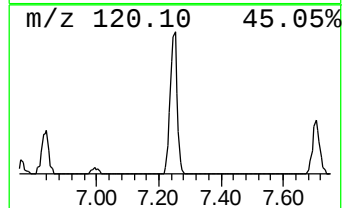
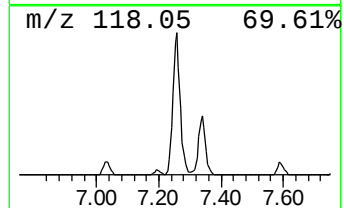
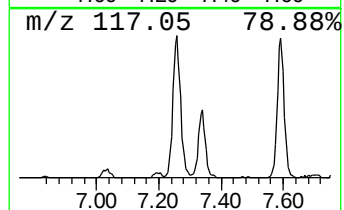
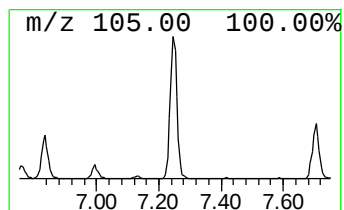
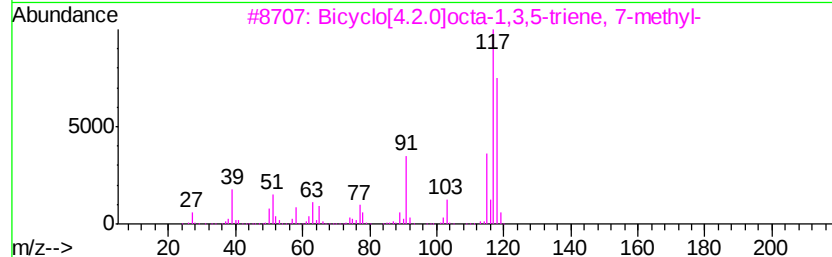
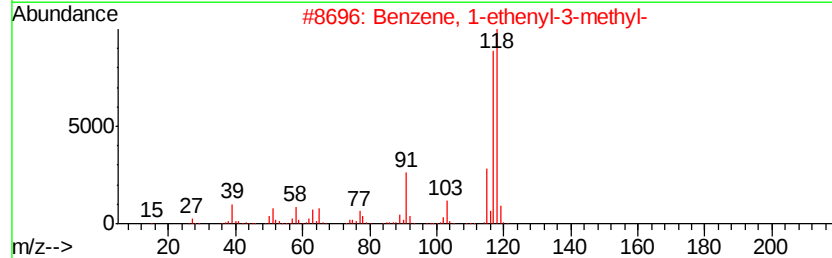
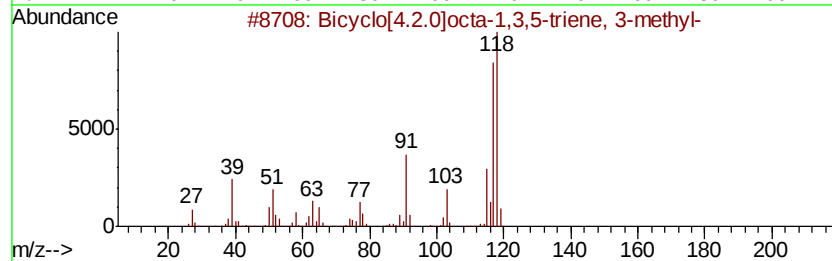
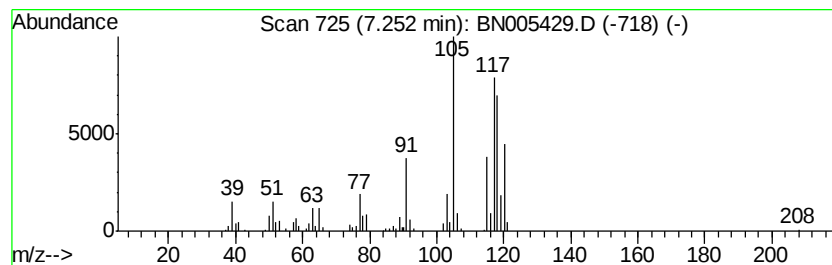
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN041919MA.M
Quant Title : SVOA CALIBRATION

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

Peak Number 1 Bicyclo[4.2.0]octa-1,3,5-tr... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.25	5.40 ng/ul	422442	1,4-Dichlorobenzene-d4	7.59

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Bicyclo[4.2.0]octa-1,3,5-triene,...	118	C9H10	022250-74-4	92
2		Benzene, 1-ethenyl-3-methyl-	118	C9H10	000100-80-1	78
3		Bicyclo[4.2.0]octa-1,3,5-triene,...	118	C9H10	055337-80-9	60
4		Benzene, 1-ethenyl-3-methyl-	118	C9H10	000100-80-1	55
5		Benzene, 1-ethenyl-2-methyl-	118	C9H10	000611-15-4	55



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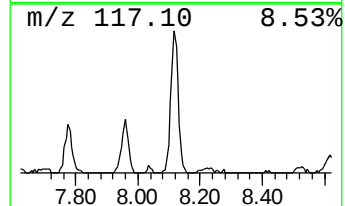
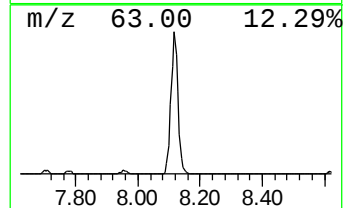
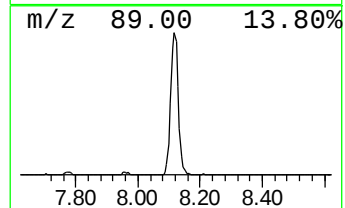
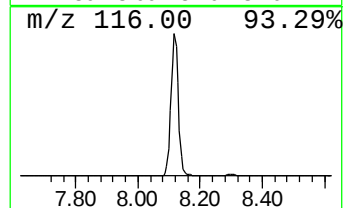
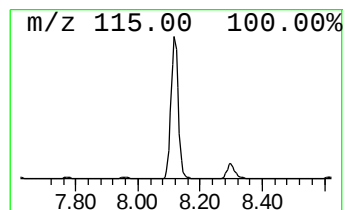
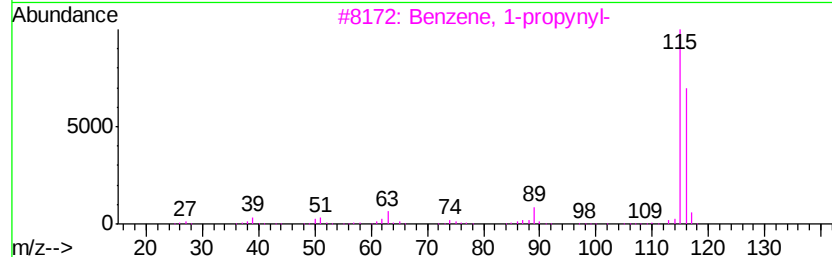
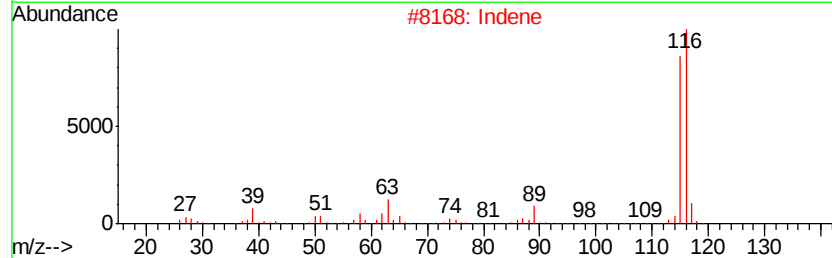
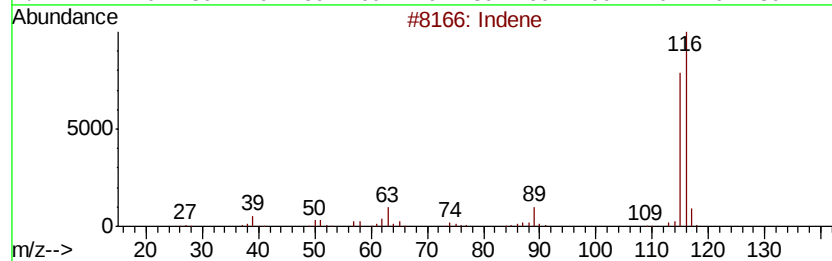
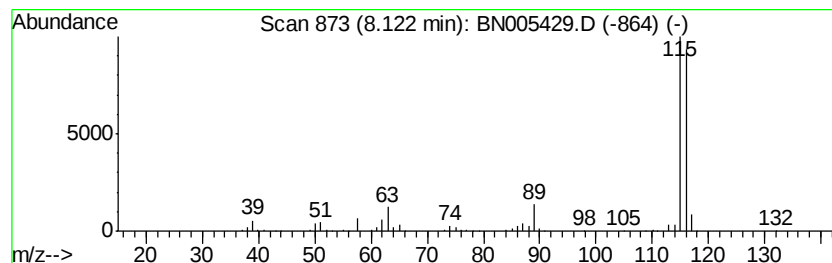
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Quant Title : SVOA CALIBRATION

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

Peak Number 2 Indene Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.12	14.80 ng/ul	1158630	1,4-Dichlorobenzene-d4	7.59

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indene		116	C9H8	000095-13-6	97
2	Indene		116	C9H8	000095-13-6	95
3	Benzene, 1-propynyl-		116	C9H8	000673-32-5	94
4	Benzene, 1-propynyl-		116	C9H8	000673-32-5	91
5	Benzene, 1-ethynyl-4-methyl-		116	C9H8	000766-97-2	91



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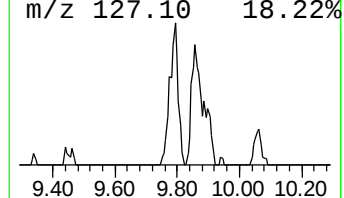
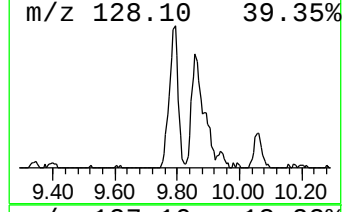
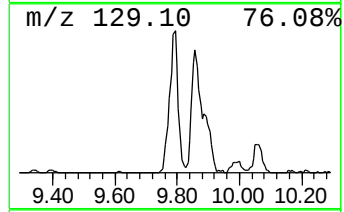
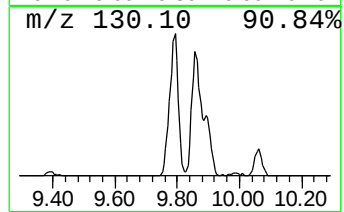
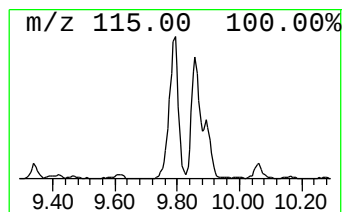
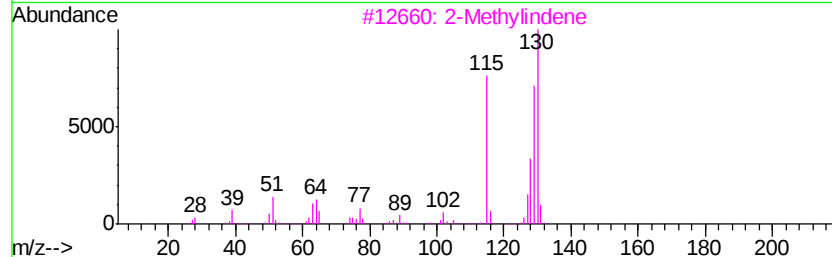
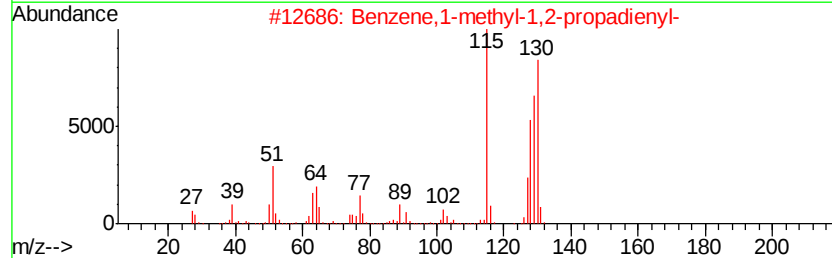
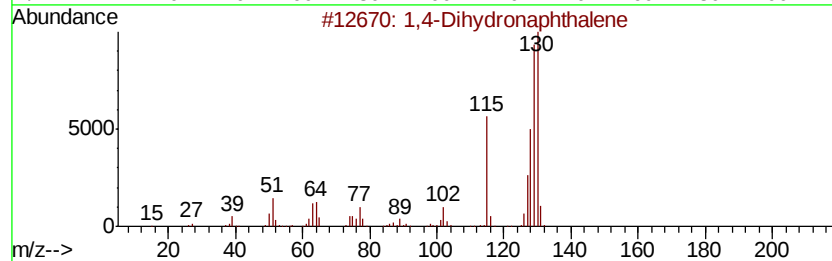
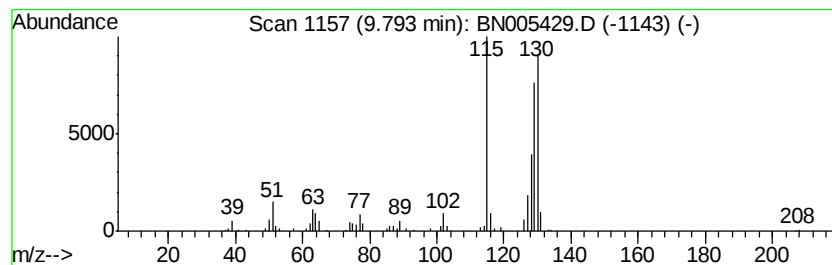
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TIC Integration Parameters: LSCINT.P

Peak Number 3 1,4-Dihydronaphthalene Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.79	4.07 ng/ul	525185	Naphthalene-d8	10.35

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



Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN050219\
Data File : BN005429.D
Acq On : 02 May 2019 23:03
Operator : JU/SJ
Sample : K2456-03MEDL 10X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
GAHS3MEDL

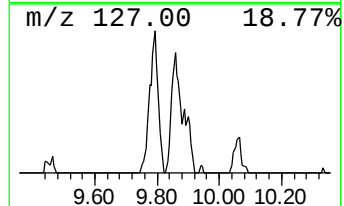
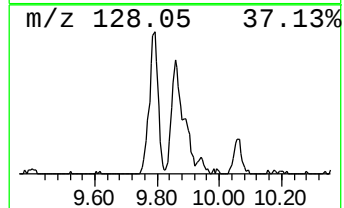
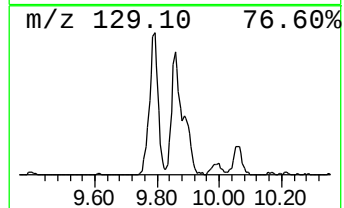
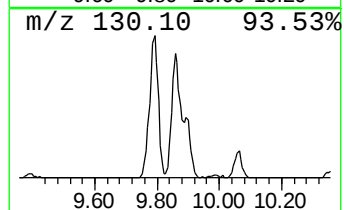
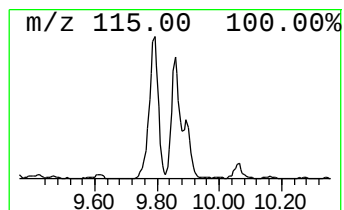
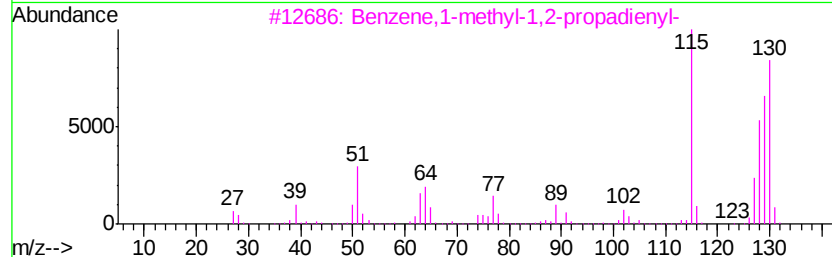
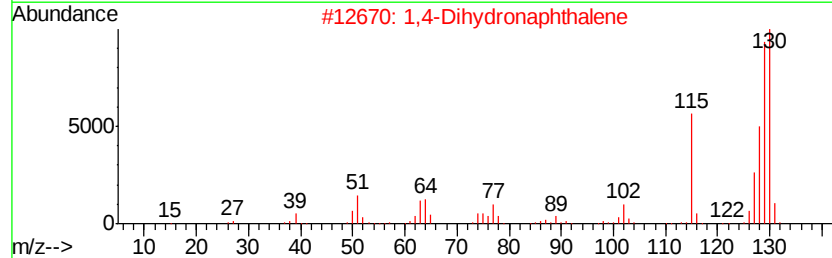
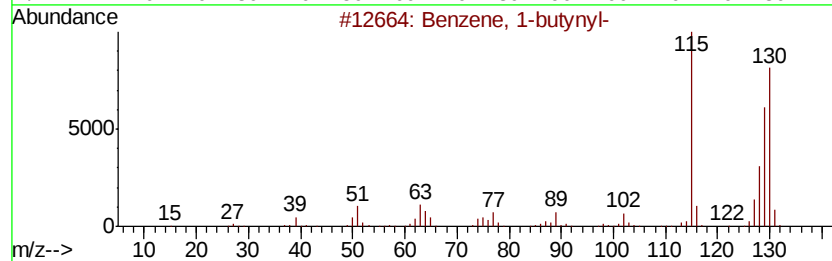
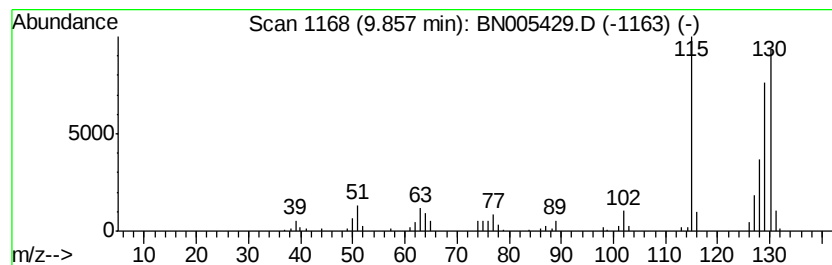
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Quant Title : SVOA CALIBRATION

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

Peak Number 4 Benzene, 1-butyryl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.86	2.58 ng/ul	332883	Naphthalene-d8	10.35

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



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Data File : BN005429.D
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Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
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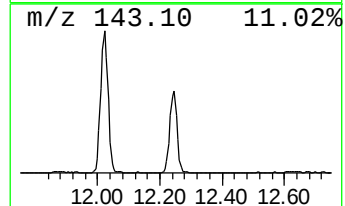
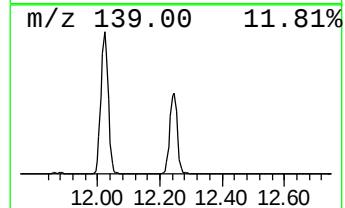
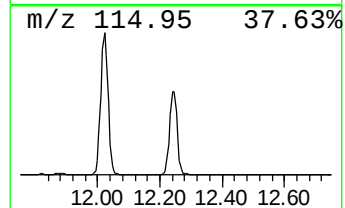
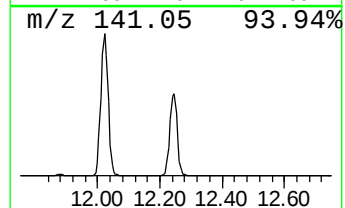
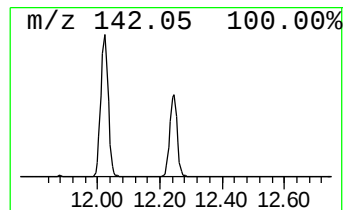
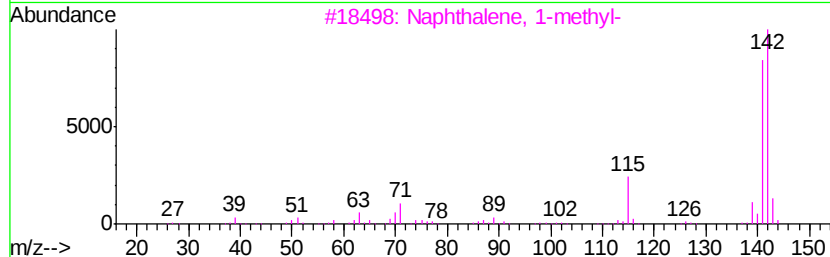
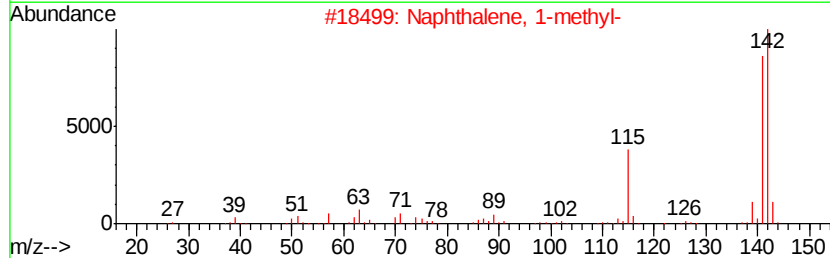
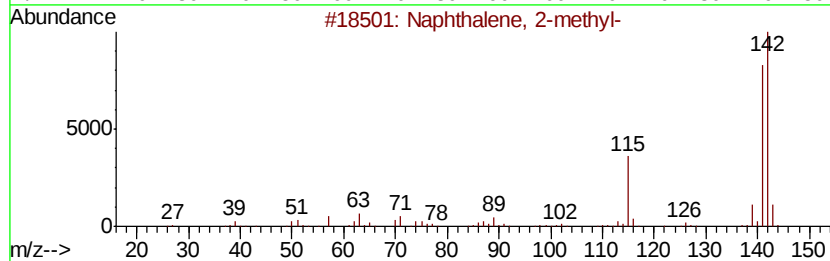
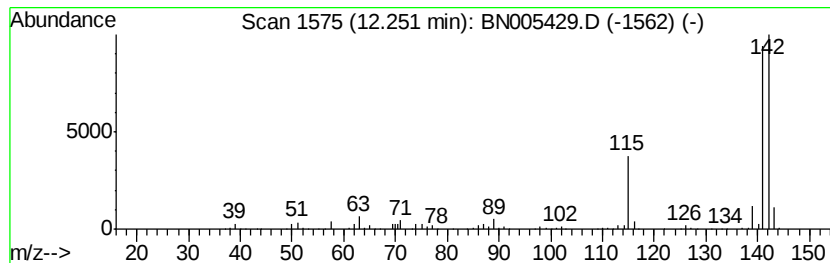
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Quant Title : SVOA CALIBRATION

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

Peak Number 5 Naphthalene, 1-methyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.25	27.78 ng/ul	3581010	Naphthalene-d8	10.35

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		Naphthalene, 1-methyl-	142	C11H10	000090-12-0	94
4		Benzocycloheptatriene	142	C11H10	000264-09-5	94
5		1,4-Methanonaphthalene, 1,4-dihy...	142	C11H10	004453-90-1	91



Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN050219\
Data File : BN005429.D
Acq On : 02 May 2019 23:03
Operator : JU/SJ
Sample : K2456-03MEDL 10X
Misc :
ALS Vial : 15 Sample Multiplier: 1

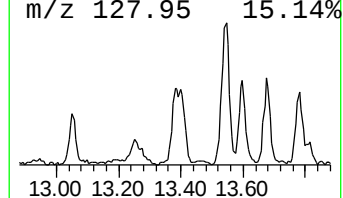
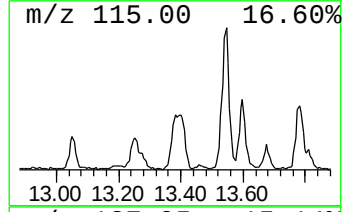
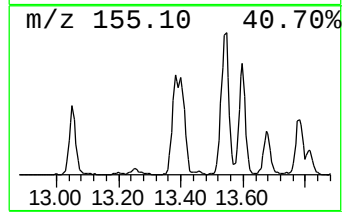
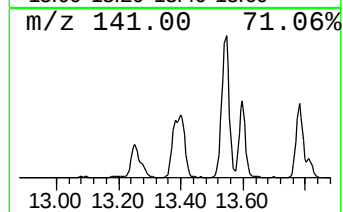
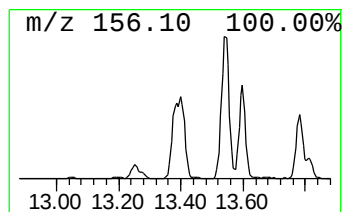
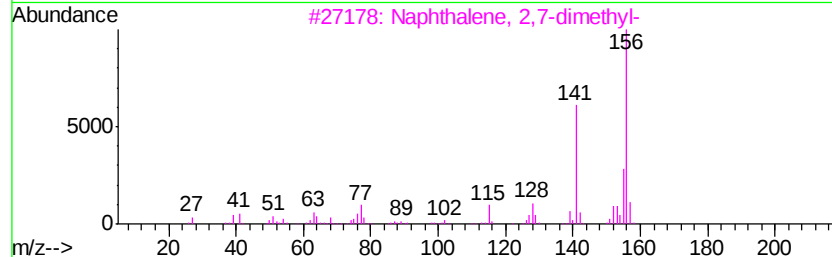
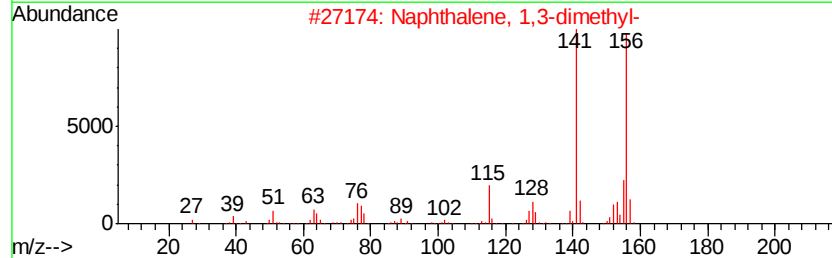
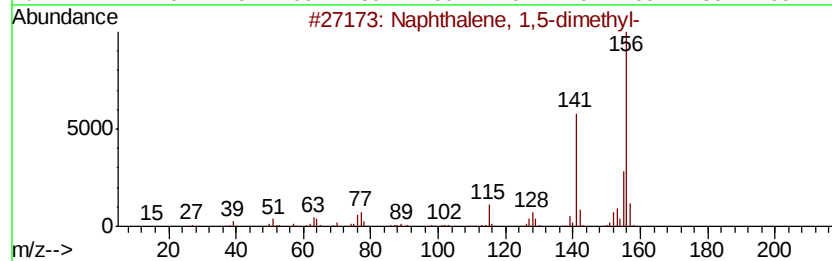
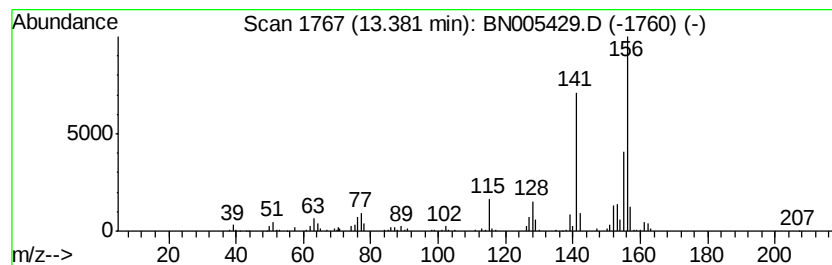
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ClientSampleId :
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Quant Title : SVOA CALIBRATION

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

Peak Number 6 Naphthalene, 1,5-dimethyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.38	2.76 ng/ul	550858	Acenaphthene-d10	14.22
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1		Naphthalene, 1,5-dimethyl-	156 C12H12	000571-61-9 97
2		Naphthalene, 1,3-dimethyl-	156 C12H12	000575-41-7 96
3		Naphthalene, 2,7-dimethyl-	156 C12H12	000582-16-1 96
4		Naphthalene, 1,6-dimethyl-	156 C12H12	000575-43-9 96
5		Naphthalene, 2,6-dimethyl-	156 C12H12	000581-42-0 96



Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN050219\
Data File : BN005429.D
Acq On : 02 May 2019 23:03
Operator : JU/SJ
Sample : K2456-03MEDL 10X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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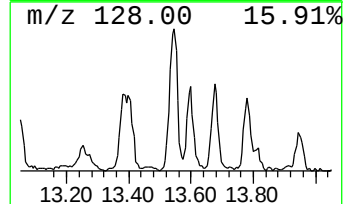
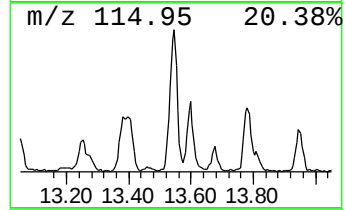
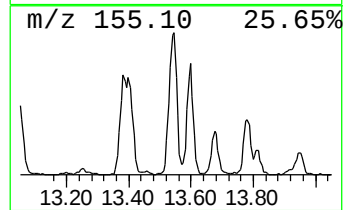
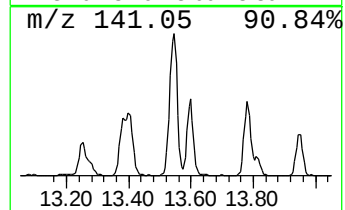
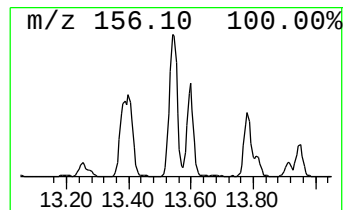
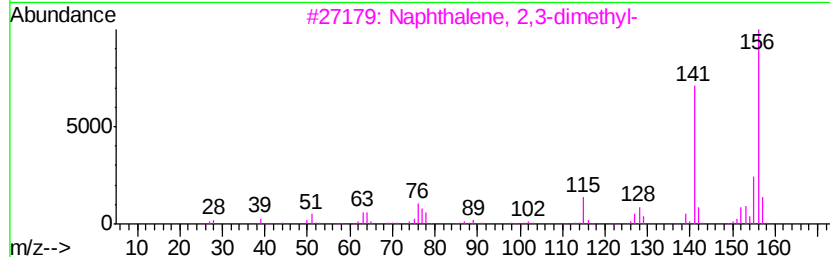
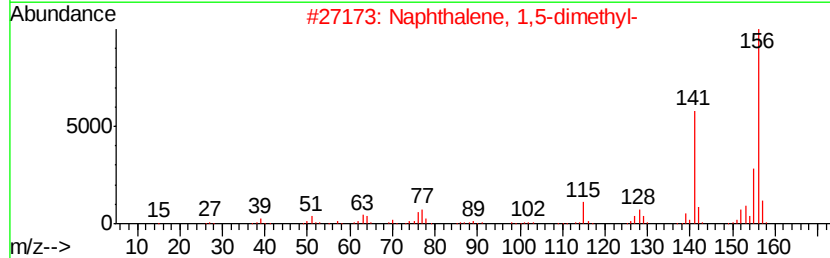
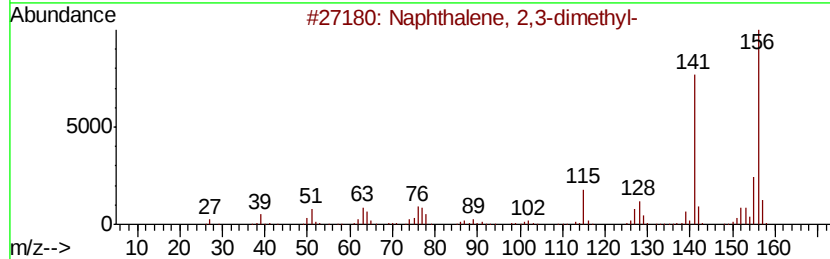
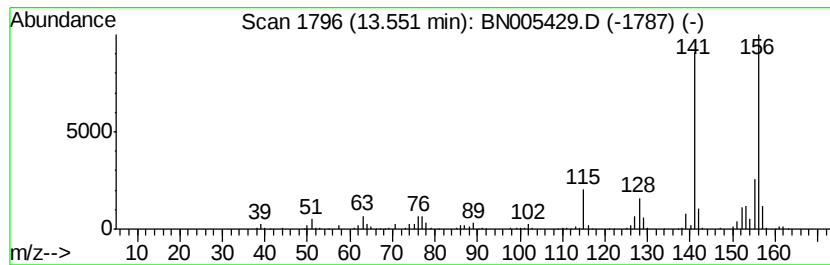
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Quant Title : SVOA CALIBRATION

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

Peak Number 7 Naphthalene, 2,3-dimethyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.55	7.49 ng/ul	1494740	Acenaphthene-d10	14.22

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



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Data File : BN005429.D
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Sample : K2456-03MEDL 10X
Misc :
ALS Vial : 15 Sample Multiplier: 1

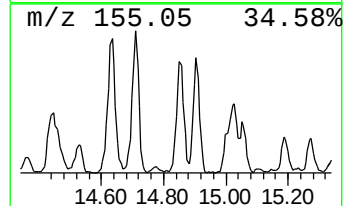
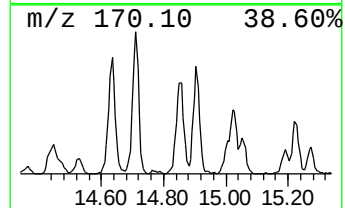
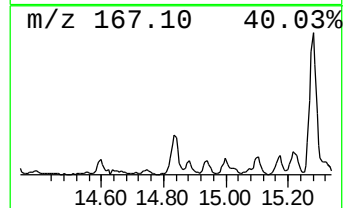
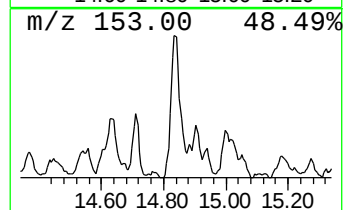
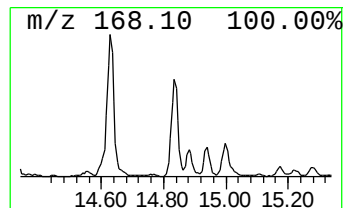
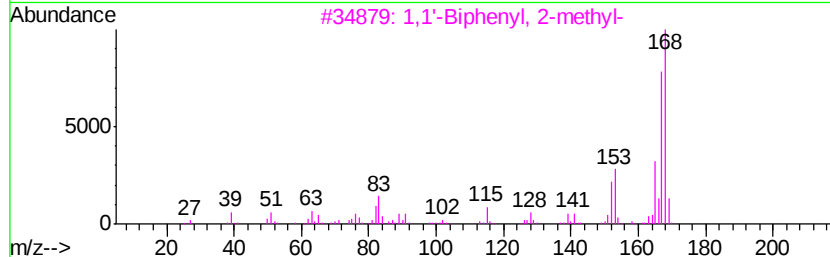
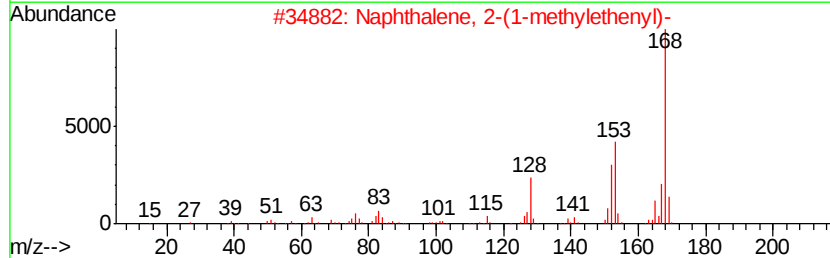
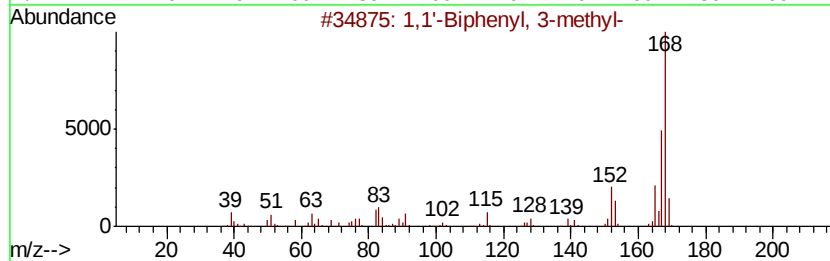
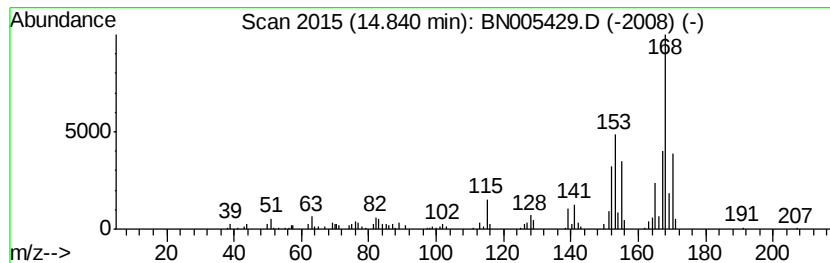
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Quant Title : SVOA CALIBRATION

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

Peak Number 9 1,1'-Biphenyl, 3-methyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.84	2.75 ng/ul	549177	Acenaphthene-d10	14.22
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1		1,1'-Biphenyl, 3-methyl-	168 C13H12	000643-93-6 60
2		Naphthalene, 2-(1-methylethenyl)-	168 C13H12	003710-23-4 50
3		1,1'-Biphenyl, 2-methyl-	168 C13H12	000643-58-3 45
4		Naphthalene, 1-(2-propenyl)-	168 C13H12	002489-86-3 43
5		Benzo[b]thiophene, 3-chloro-	168 C8H5ClS	007342-86-1 38



Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN050219\
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Misc :
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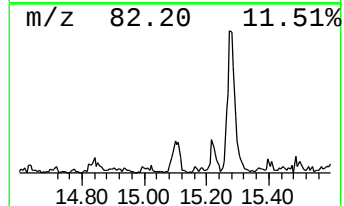
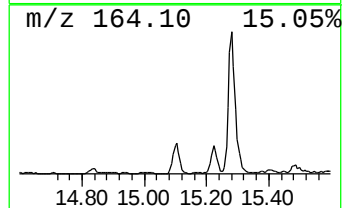
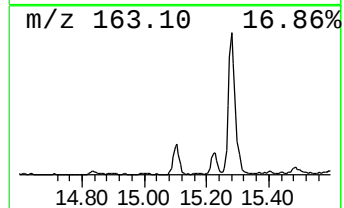
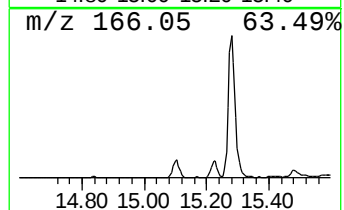
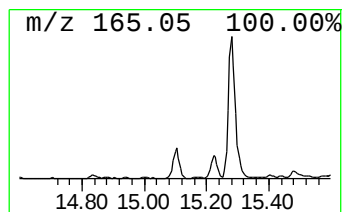
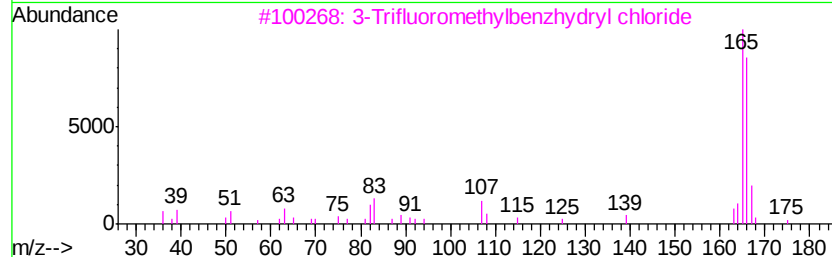
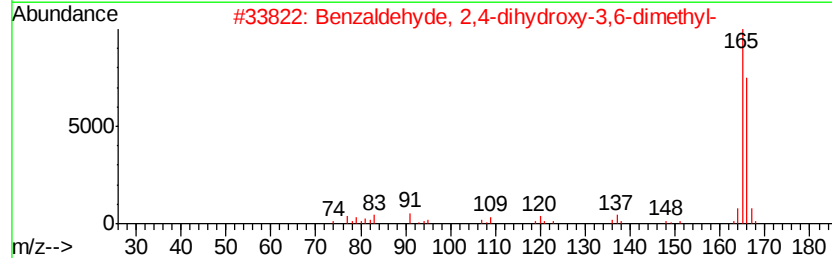
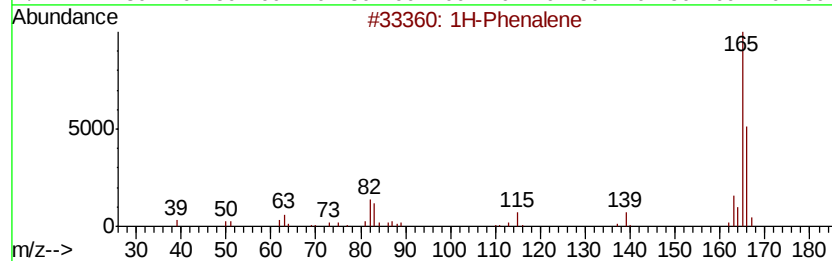
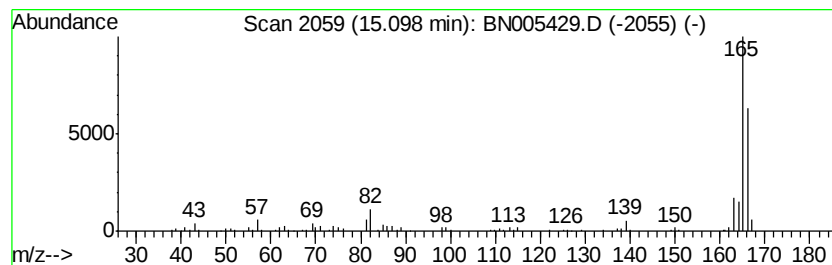
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Quant Title : SVOA CALIBRATION

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

Peak Number 10 1H-Phenalene Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.10	2.17 ng/ul	433955	Acenaphthene-d10	14.22

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	1H-Phenalene	166	C13H10	000203-80-5	80
2		Benzaldehyde, 2,4-dihydroxy-3,6-...	166	C9H10O3	034883-14-2	72
3		3-Trifluoromethylbenzhydryl chloro...	270	C14H10ClF3	067240-79-3	72
4		Fluorene-9-methanol	196	C14H12O	024324-17-2	64
5		Fluorene, 9-chloro-	200	C13H9Cl	006630-65-5	53



Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN050219\
Data File : BN005429.D
Acq On : 02 May 2019 23:03
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Misc :
ALS Vial : 15 Sample Multiplier: 1

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ClientSampleId :
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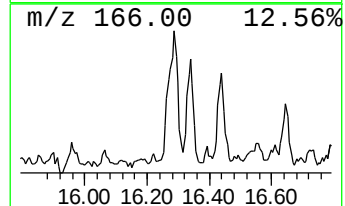
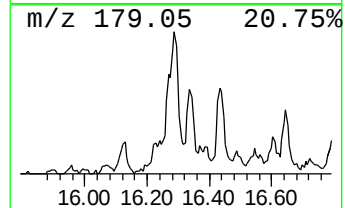
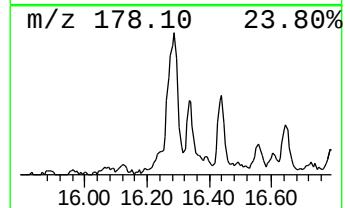
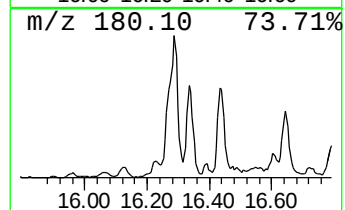
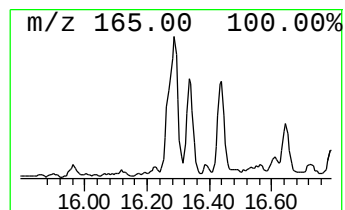
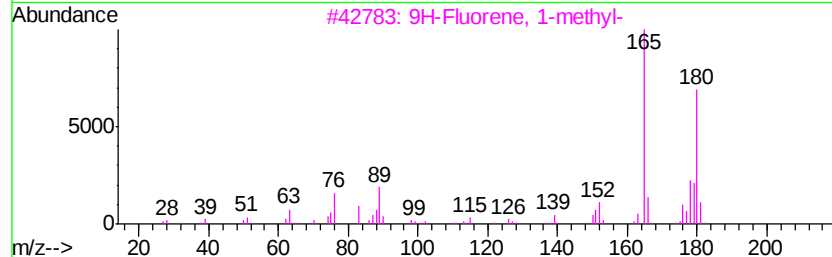
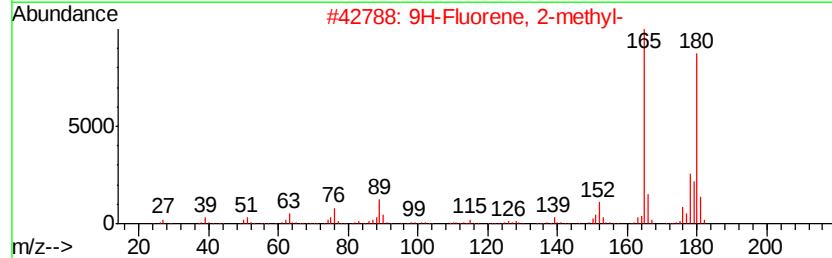
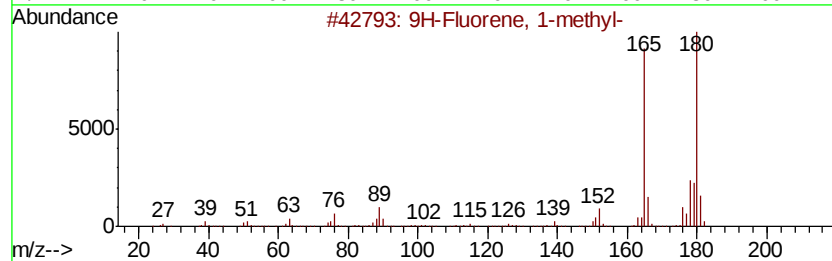
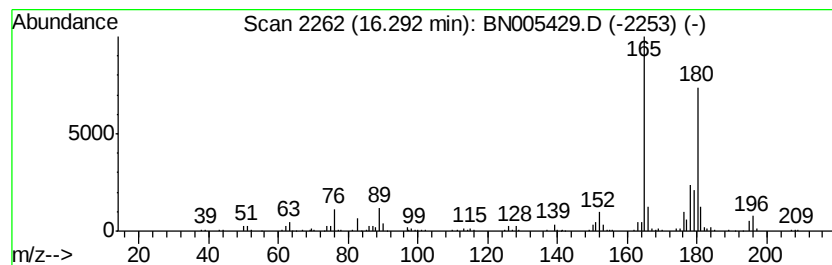
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Quant Title : SVOA CALIBRATION

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

Peak Number 12 9H-Fluorene, 1-methyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.29	3.12 ng/ul	713022	Phenanthrene-d10	16.98

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	96
2			9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	96
3			9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	96
4			9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	96
5			9H-Fluorene, 3-methyl-	180	C14H12	002523-39-9	96



Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN050219\
Data File : BN005429.D
Acq On : 02 May 2019 23:03
Operator : JU/SJ
Sample : K2456-03MEDL 10X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
GAHS3MEDL

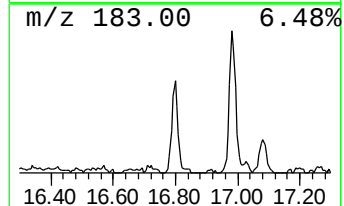
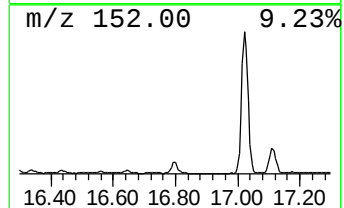
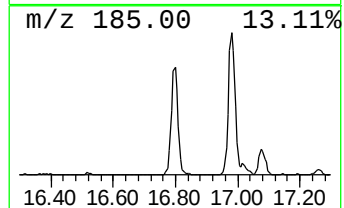
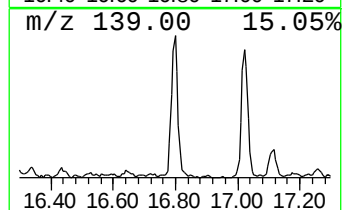
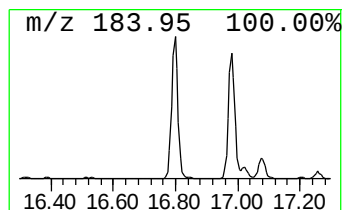
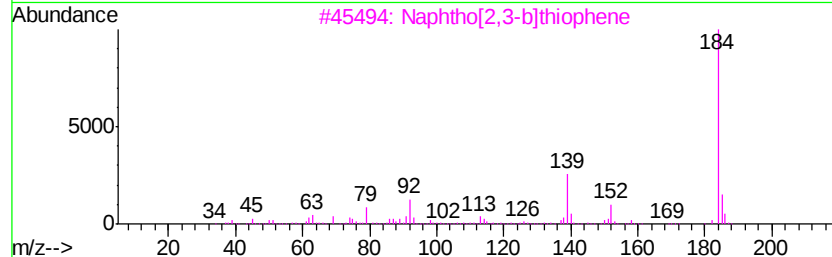
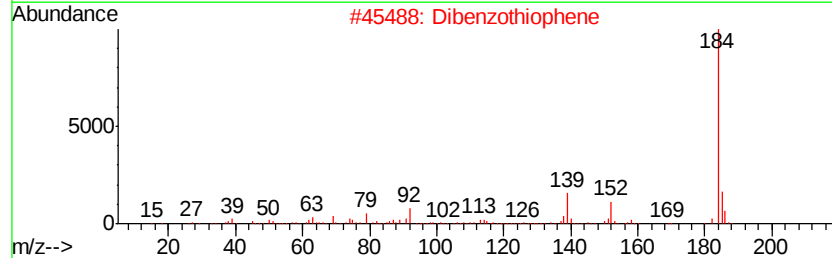
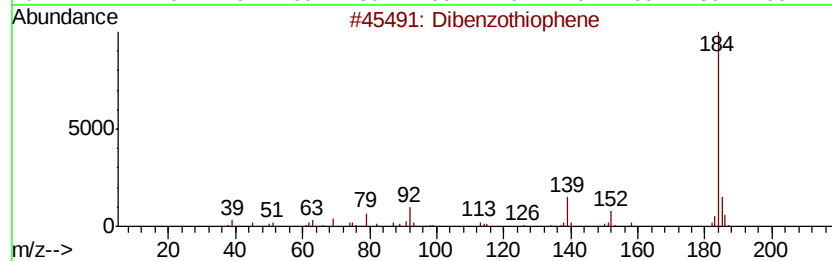
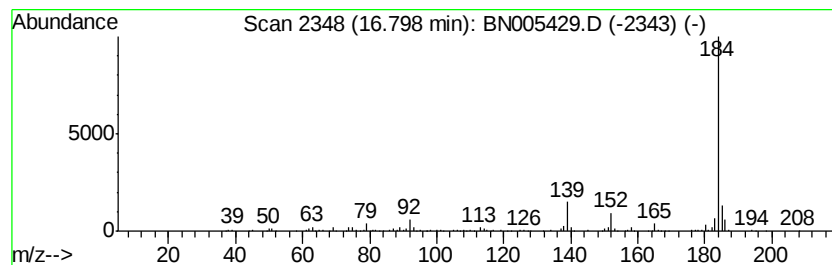
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Quant Title : SVOA CALIBRATION

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

Peak Number 13 Dibenzothiophene Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.80	3.69 ng/ul	844301	Phenanthrene-d10	16.98

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Dibenzothiophene	184	C12H8S	000132-65-0	95
2			Dibenzothiophene	184	C12H8S	000132-65-0	94
3			Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	94
4			Dibenzothiophene	184	C12H8S	000132-65-0	94
5			Dibenzothiophene	184	C12H8S	000132-65-0	93



Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN050219\
Data File : BN005429.D
Acq On : 02 May 2019 23:03
Operator : JU/SJ
Sample : K2456-03MEDL 10X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
GAHS3MEDL

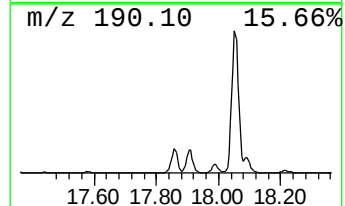
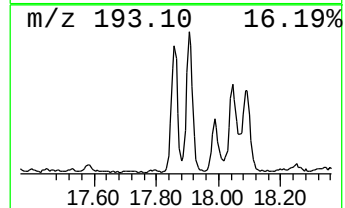
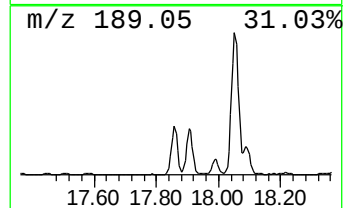
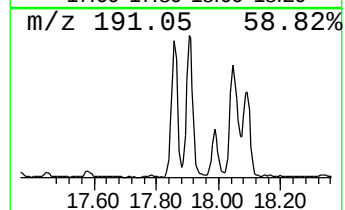
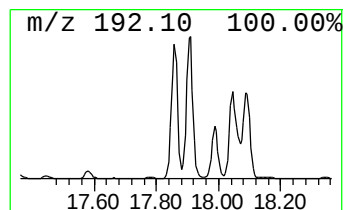
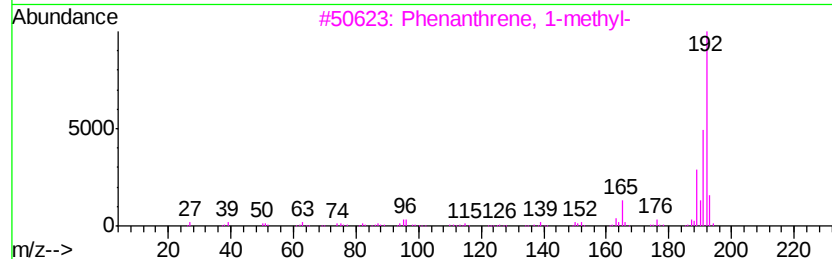
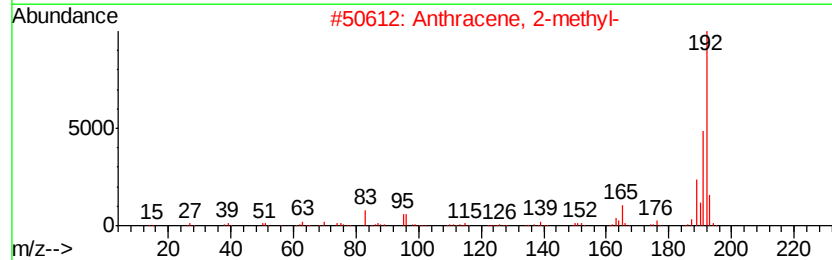
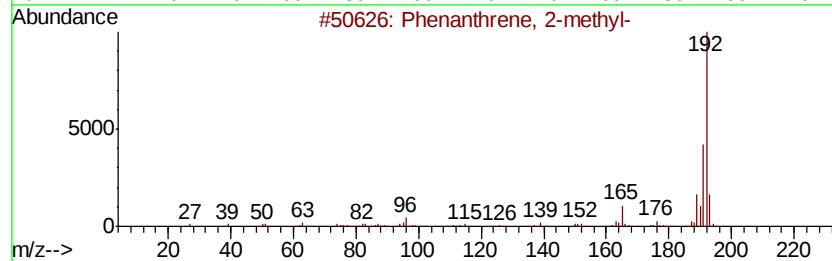
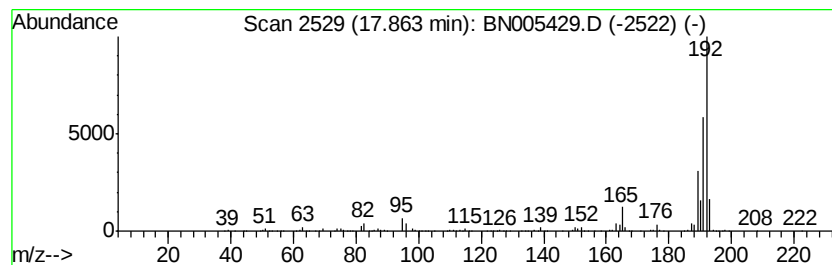
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Quant Title : SVOA CALIBRATION

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

Peak Number 14 Phenanthrene, 2-methyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.86	6.13 ng/ul	1400580	Phenanthrene-d10	16.98

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	94
2		Anthracene, 2-methyl-	192	C15H12	000613-12-7	93
3		Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	93
4		Anthracene, 9-methyl-	192	C15H12	000779-02-2	93
5		Anthracene, 1-methyl-	192	C15H12	000610-48-0	93



Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN050219\
Data File : BN005429.D
Acq On : 02 May 2019 23:03
Operator : JU/SJ
Sample : K2456-03MEDL 10X
Misc :
ALS Vial : 15 Sample Multiplier: 1

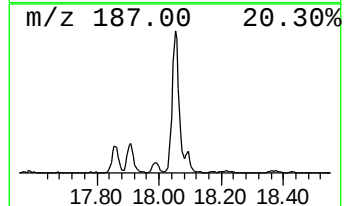
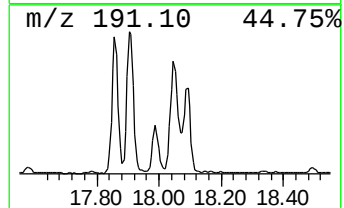
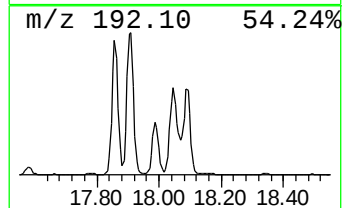
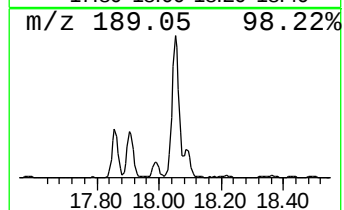
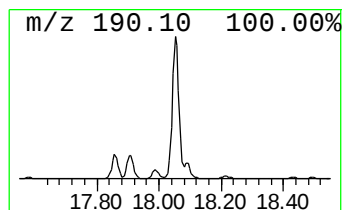
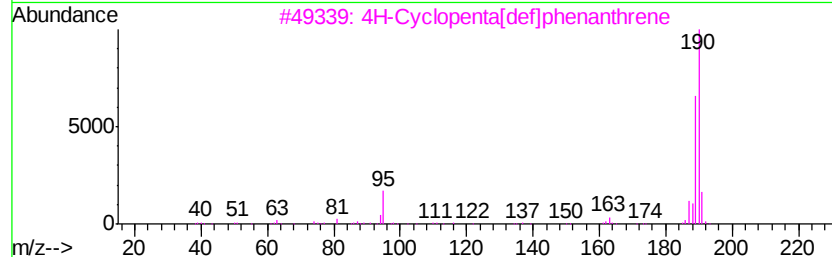
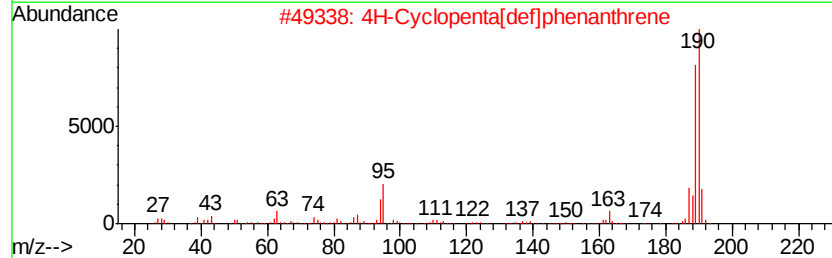
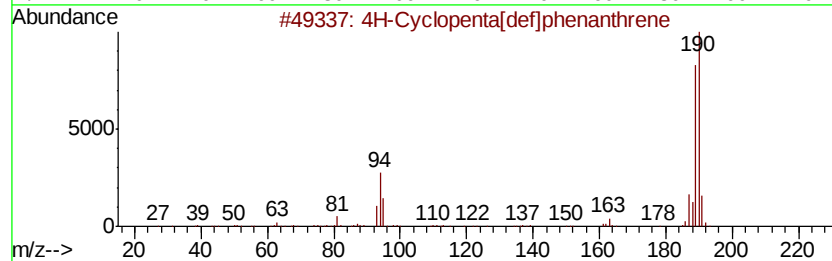
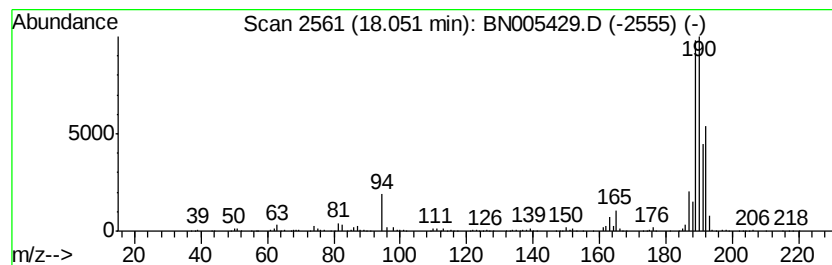
Instrument :
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ClientSampleId :
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Quant Title : SVOA CALIBRATION

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

Peak Number 17 4H-Cyclopenta[def]phenanthrene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.05	10.29 ng/ul	2350940	Phenanthrene-d10	16.98
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1	4H-Cyclopenta[def]phenanthrene	190 C15H10	000203-64-5	64
2	4H-Cyclopenta[def]phenanthrene	190 C15H10	000203-64-5	53
3	4H-Cyclopenta[def]phenanthrene	190 C15H10	000203-64-5	52
4	5H-Dibenzo[a,d]cycloheptene	192 C15H12	000256-81-5	25
5	Benzene, 1,1'-(1,2-propadienyld...	192 C15H12	014251-57-1	22



Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN050219\
Data File : BN005429.D
Acq On : 02 May 2019 23:03
Operator : JU/SJ
Sample : K2456-03MEDL 10X
Misc :
ALS Vial : 15 Sample Multiplier: 1

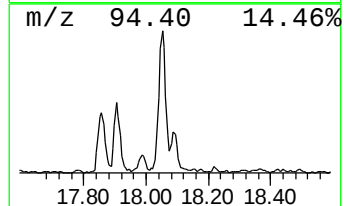
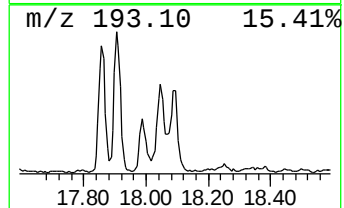
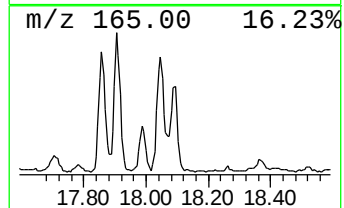
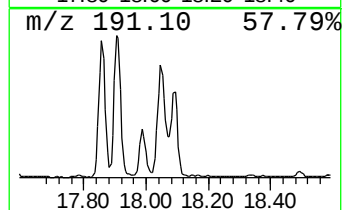
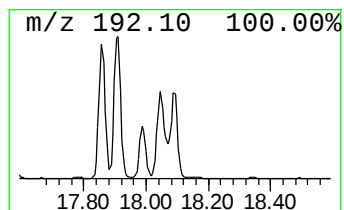
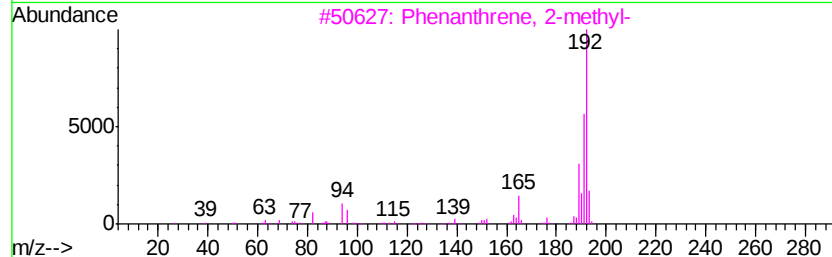
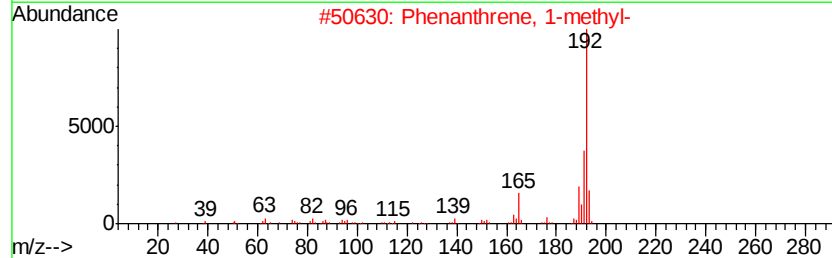
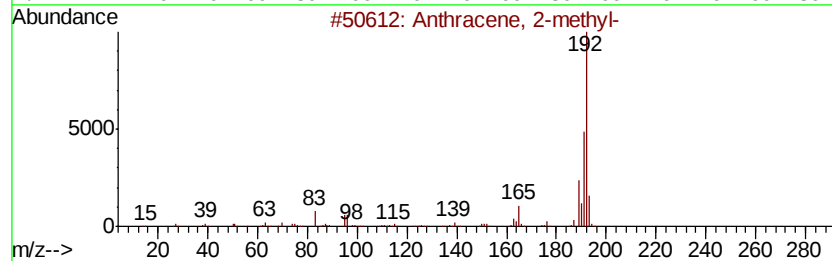
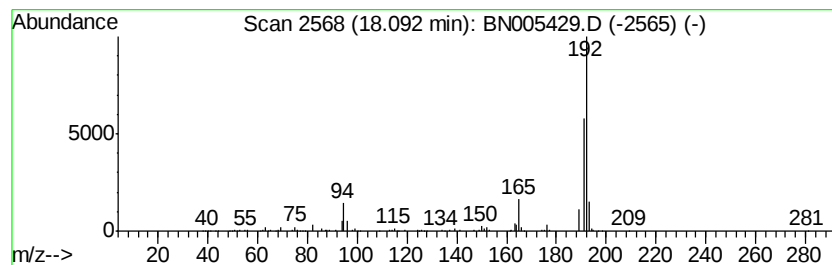
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Quant Title : SVOA CALIBRATION

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

Peak Number 18 Anthracene, 2-methyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.		
18.09	3.90 ng/ul	892140	Phenanthrene-d10	16.98		
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Anthracene, 2-methyl-	192	C15H12	000613-12-7	94
2		Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	93
3		Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	93
4		Anthracene, 1-methyl-	192	C15H12	000610-48-0	93
5		Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	91



Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN050219\
Data File : BN005429.D
Acq On : 02 May 2019 23:03
Operator : JU/SJ
Sample : K2456-03MEDL 10X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
GAHS3MEDL

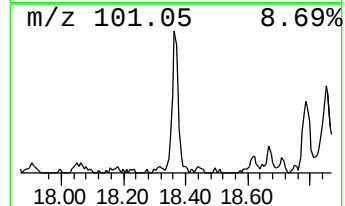
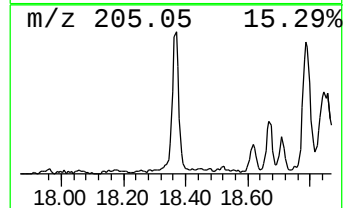
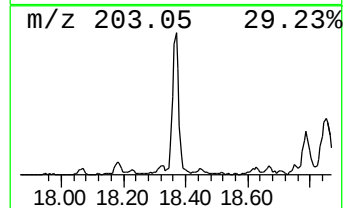
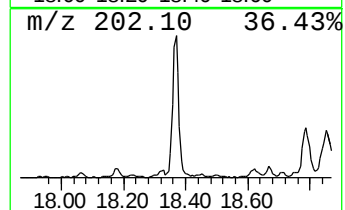
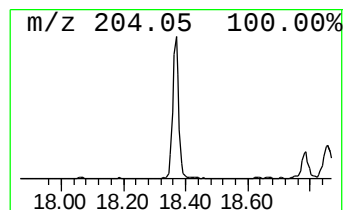
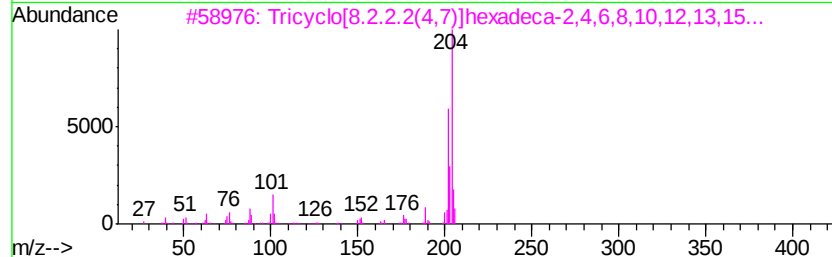
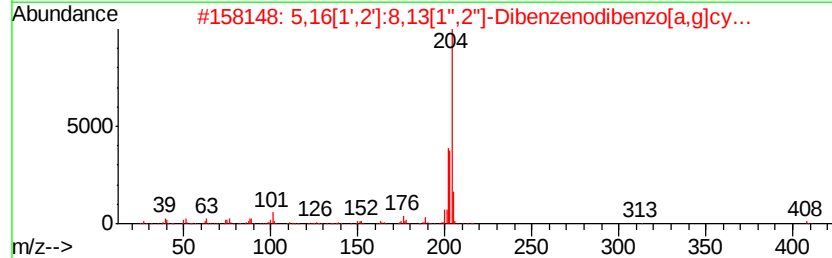
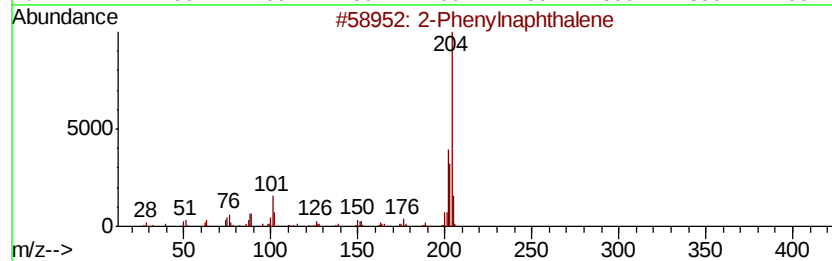
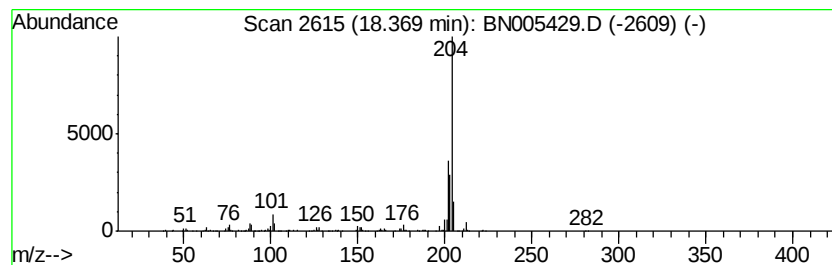
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Quant Title : SVOA CALIBRATION

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

Peak Number 19 2-Phenylnaphthalene Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.37	3.16 ng/ul	721822	Phenanthrene-d10	16.98

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	2-Phenylnaphthalene	204	C16H12	035465-71-5	93
2		5,16[1',2'] :8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	91
3		Tricvclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	83
4		Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	81
5		Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	76



Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN050219\
Data File : BN005429.D
Acq On : 02 May 2019 23:03
Operator : JU/SJ
Sample : K2456-03MEDL 10X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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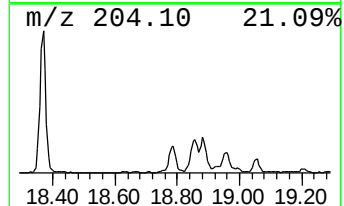
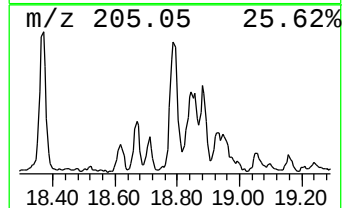
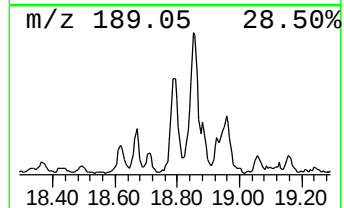
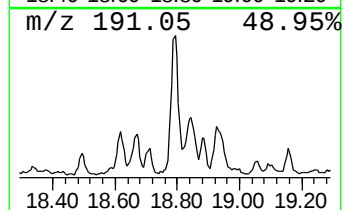
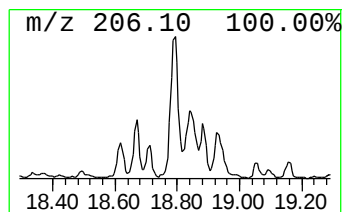
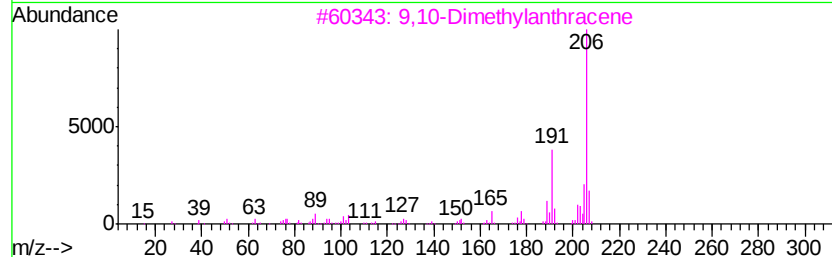
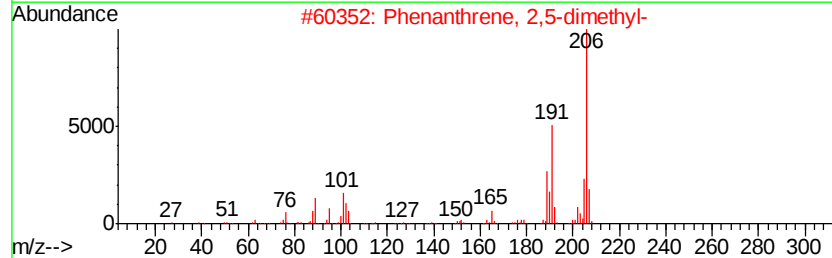
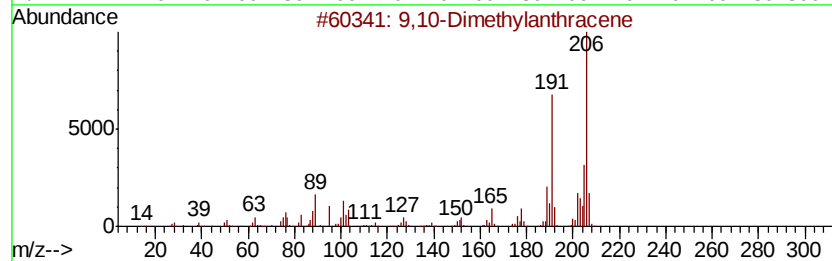
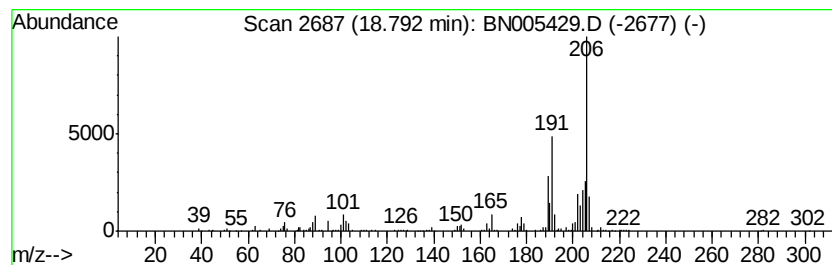
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Quant Title : SVOA CALIBRATION

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

Peak Number 20 9,10-Dimethylantracene Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.79	3.76 ng/ul	858952	Phenanthrene-d10	16.98

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			9,10-Dimethylantracene	206	C16H14	000781-43-1	95
2			Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	94
3			9,10-Dimethylantracene	206	C16H14	000781-43-1	93
4			9,10-Dimethylantracene	206	C16H14	000781-43-1	89
5			Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	89



Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN050219\
Data File : BN005429.D
Acq On : 02 May 2019 23:03
Operator : JU/SJ
Sample : K2456-03MEDL 10X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
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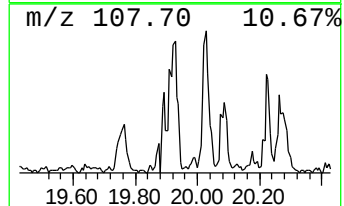
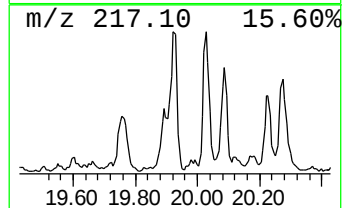
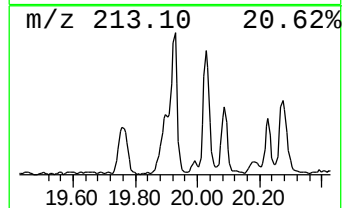
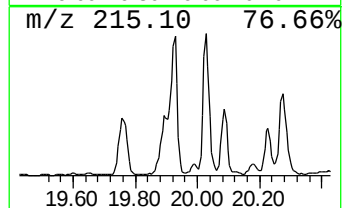
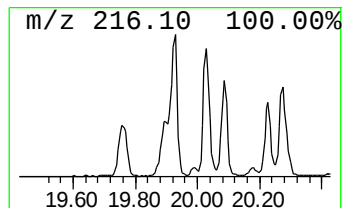
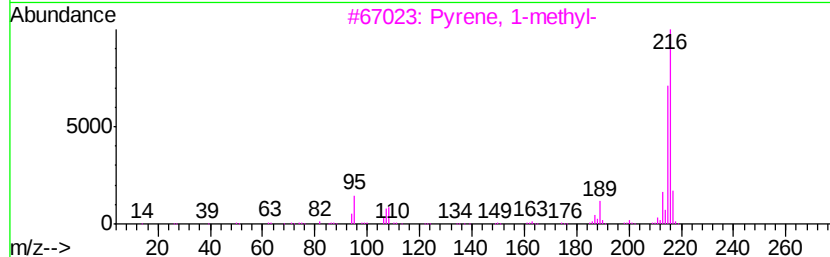
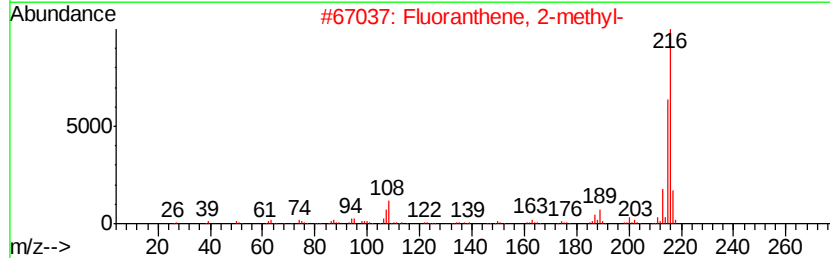
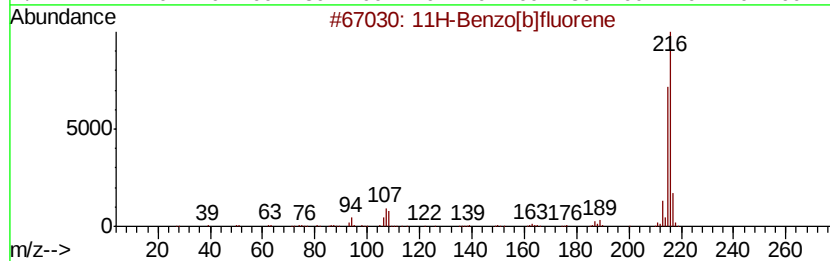
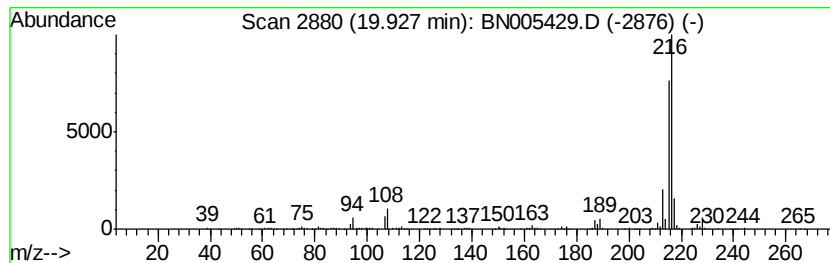
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Quant Title : SVOA CALIBRATION

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

Peak Number 22 11H-Benzo[b]fluorene Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.93	2.56 ng/ul	942674	Chrysene-d12	21.21

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	95
2		Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	95
3		Pvrene, 1-methyl-	216	C17H12	002381-21-7	90
4		Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	90
5		11H-Benzo[a]fluorene	216	C17H12	000238-84-6	87



Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN050219\
Data File : BN005429.D
Acq On : 02 May 2019 23:03
Operator : JU/SJ
Sample : K2456-03MEDL 10X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
GAHS3MEDL

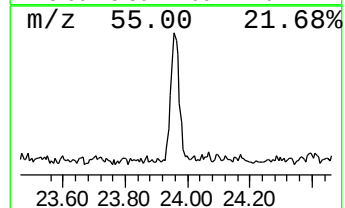
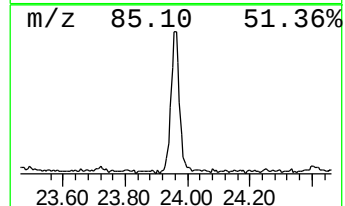
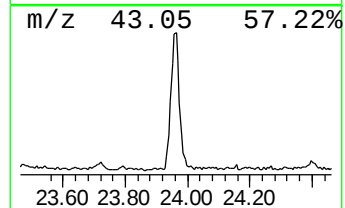
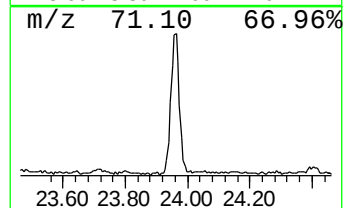
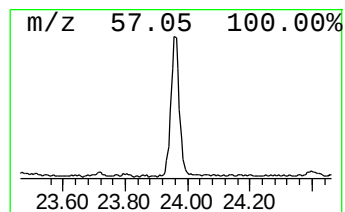
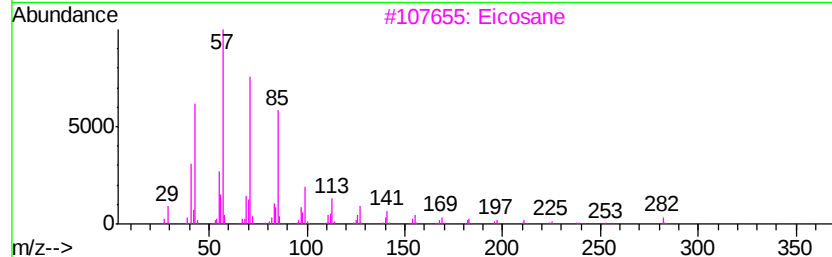
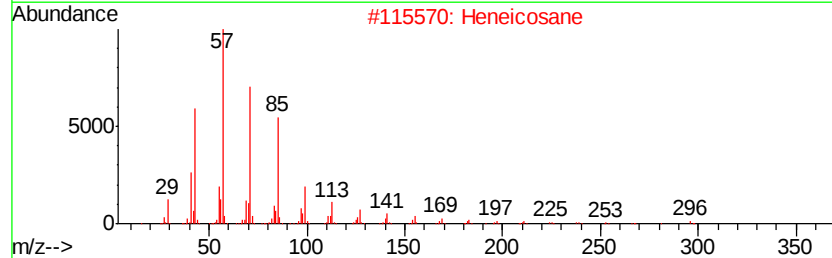
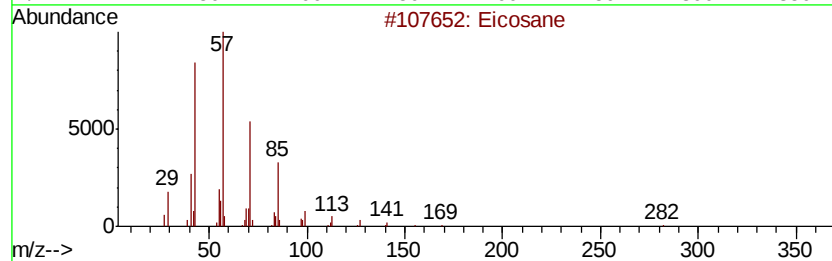
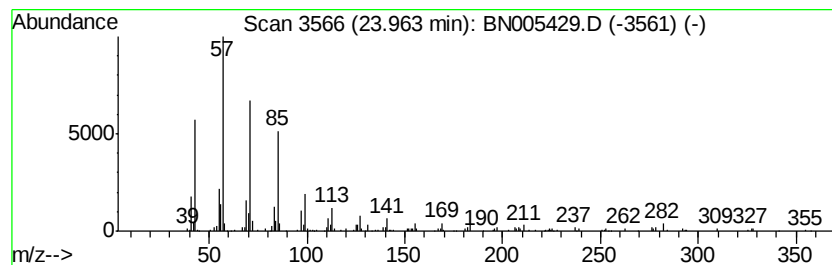
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Quant Title : SVOA CALIBRATION

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

Peak Number 23 (DEL) Alkane: Straight-Chai... Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
23.96	2.45 ng/ul	529245	Perylene-d12	23.41

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Eicosane	282	C20H42	000112-95-8	94
2		Heneicosane	296	C21H44	000629-94-7	90
3		Eicosane	282	C20H42	000112-95-8	90
4		Octacosane	394	C28H58	000630-02-4	90
5		Nonacosane	408	C29H60	000630-03-5	90



Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN050219\
 Data File : BN005429.D
 Acq On : 02 May 2019 23:03
 Operator : JU/SJ
 Sample : K2456-03MEDL 10X
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 GAHS3MEDL

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
Bicyclo[4.2.0]oct...	7.25	5.4	ng/ul	422442	1	7.59	1565520	20.0
Indene	8.12	14.8	ng/ul	1158630	1	7.59	1565520	20.0
1,4-Dihydronaphth...	9.79	4.1	ng/ul	525185	2	10.35	2578470	20.0
Benzene, 1-butynyl-	9.86	2.6	ng/ul	332883	2	10.35	2578470	20.0
Naphthalene, 1-me...	12.25	27.8	ng/ul	3581010	2	10.35	2578470	20.0
Naphthalene, 1,5-...	13.38	2.8	ng/ul	550858	3	14.22	3992920	20.0
Naphthalene, 2,3-...	13.55	7.5	ng/ul	1494740	3	14.22	3992920	20.0
1,1'-Biphenyl, 3-...	14.84	2.8	ng/ul	549177	3	14.22	3992920	20.0
1H-Phenalene	15.10	2.2	ng/ul	433955	3	14.22	3992920	20.0
9H-Fluorene, 1-me...	16.29	3.1	ng/ul	713022	4	16.98	4571360	20.0
Dibenzothiophene	16.80	3.7	ng/ul	844301	4	16.98	4571360	20.0
Phenanthrene, 2-m...	17.86	6.1	ng/ul	1400580	4	16.98	4571360	20.0
4H-Cyclopenta[def...	18.05	10.3	ng/ul	2350940	4	16.98	4571360	20.0
Anthracene, 2-met...	18.09	3.9	ng/ul	892140	4	16.98	4571360	20.0
2-Phenylnaphthalene	18.37	3.2	ng/ul	721822	4	16.98	4571360	20.0
9,10-Dimethylanthe...	18.79	3.8	ng/ul	858952	4	16.98	4571360	20.0
11H-Benzo[b]fluorene	19.93	2.6	ng/ul	942674	5	21.21	7358660	20.0
(DEL) Alkane: Str...	23.96	2.5	ng/ul	529245	6	23.41	4327830	20.0