

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM051719\
 Data File : BM020357.D
 Acq On : 17 May 2019 10:21
 Operator : JU/SJ
 Sample : K2604-01ME
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 GAJ75ME

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_M\METHODS\SOM-EPA-BM051619MA.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	7.375	741	746	754	rVV3	673422	1250112	4.18%	0.402%
2	8.269	890	898	907	rVB	1853607	2995765	10.01%	0.964%
3	9.951	1173	1184	1190	rBV3	559374	1537036	5.14%	0.495%
4	10.022	1190	1196	1201	rBV2	521126	1018003	3.40%	0.328%
5	10.475	1267	1273	1278	rVV	484778	752042	2.51%	0.242%
6	10.604	1285	1295	1301	rVV	15772875	29472357	98.52%	9.483%
7	10.704	1308	1312	1320	rVB	508218	938734	3.14%	0.302%
8	11.933	1514	1521	1527	rBV	909182	1405234	4.70%	0.452%
9	12.210	1560	1568	1574	rVB	10945961	17870874	59.74%	5.750%
10	12.427	1593	1605	1612	rVB	5665205	9370961	31.33%	3.015%
11	13.186	1727	1734	1736	rBV	1113517	1635919	5.47%	0.526%
12	13.216	1736	1739	1747	rVB	1430838	2058504	6.88%	0.662%
13	13.410	1766	1772	1784	rVB	722369	1634389	5.46%	0.526%
14	13.545	1787	1795	1796	rBV	2179311	3122509	10.44%	1.005%
15	13.710	1815	1823	1827	rBV	3176061	5736550	19.18%	1.846%
16	13.757	1827	1831	1835	rVV	2018545	2727474	9.12%	0.878%
17	13.839	1841	1845	1850	rVB2	1443056	2154238	7.20%	0.693%
18	13.945	1857	1863	1866	rBV	1430504	2244718	7.50%	0.722%
19	14.115	1880	1892	1901	rVB2	5089555	8667275	28.97%	2.789%
20	14.268	1912	1918	1926	rBV	1206792	1705985	5.70%	0.549%
21	14.357	1926	1933	1937	rBV	1051329	1878946	6.28%	0.605%
22	14.451	1943	1949	1956	rBV3	914563	1994868	6.67%	0.642%
23	14.598	1967	1974	1981	rBV2	519172	1206722	4.03%	0.388%
24	14.786	1995	2006	2013	rBV2	2349019	3952144	13.21%	1.272%
25	14.857	2014	2018	2022	rBV	875127	1127458	3.77%	0.363%
26	14.992	2036	2041	2047	rBV3	855556	1648579	5.51%	0.530%
27	15.057	2047	2052	2056	rVB	658526	869874	2.91%	0.280%
28	15.174	2064	2072	2075	rBV2	531503	1254284	4.19%	0.404%
29	15.221	2075	2080	2083	rVV2	1344637	1896438	6.34%	0.610%
30	15.257	2083	2086	2092	rVV	850307	1202770	4.02%	0.387%
31	15.380	2100	2107	2112	rVV2	1396780	2582751	8.63%	0.831%
32	15.445	2112	2118	2128	rVV	5377288	8907302	29.78%	2.866%
33	15.562	2134	2138	2141	rVV2	410437	726068	2.43%	0.234%
34	15.604	2141	2145	2146	rVV3	378086	587959	1.97%	0.189%

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35	15.627	2146	2149	2158	rVV2	552682	1463434	4.89%	0.471%
36	15.727	2161	2166	2171	rVV	945907	1655933	5.54%	0.533%
37	15.851	2181	2187	2189	rBV3	820400	1317249	4.40%	0.424%
38	15.874	2189	2191	2199	rVV	891632	1557573	5.21%	0.501%
39	16.086	2222	2227	2235	rBV2	1356814	2957443	9.89%	0.952%
40	16.439	2279	2287	2292	rBV2	1114355	2514534	8.41%	0.809%
41	16.492	2292	2296	2301	rVB	870345	1212496	4.05%	0.390%
42	16.592	2308	2313	2317	rVB	705861	995841	3.33%	0.320%
43	16.662	2318	2325	2328	rBV5	380467	730983	2.44%	0.235%
44	16.798	2344	2348	2354	rVB2	386218	583130	1.95%	0.188%
45	16.874	2355	2361	2366	rVV2	1289650	1907131	6.38%	0.614%
46	16.956	2371	2375	2382	rVB	1486474	2281347	7.63%	0.734%
47	17.145	2401	2407	2408	rBV2	423906	633224	2.12%	0.204%
48	17.203	2408	2417	2421	rVV	18645254	29914216	100.00%	9.625%
49	17.245	2421	2424	2426	rVV	783629	1008246	3.37%	0.324%
50	17.280	2426	2430	2434	rVB	4386163	5626960	18.81%	1.811%
51	17.545	2468	2475	2483	rBV2	719784	1593951	5.33%	0.513%
52	17.615	2483	2487	2491	rVV	1072257	1297590	4.34%	0.418%
53	17.656	2491	2494	2500	rVV	448199	638294	2.13%	0.205%
54	17.715	2500	2504	2512	rVB2	599048	1010040	3.38%	0.325%
55	17.856	2523	2528	2538	rVB	381496	768033	2.57%	0.247%
56	18.015	2549	2555	2559	rBV	3268132	4493624	15.02%	1.446%
57	18.062	2559	2563	2569	rVB	3806975	5172703	17.29%	1.664%
58	18.145	2572	2577	2582	rVB	1444062	2021352	6.76%	0.650%
59	18.215	2582	2589	2592	rBV2	3894758	6971093	23.30%	2.243%
60	18.250	2592	2595	2600	rVB	1987056	2521094	8.43%	0.811%
61	18.309	2601	2605	2611	rVB3	899667	1160771	3.88%	0.373%
62	18.515	2635	2640	2645	rBV	1644905	2211956	7.39%	0.712%
63	18.762	2678	2682	2686	rVV2	420828	613571	2.05%	0.197%
64	18.939	2706	2712	2717	rBV2	1509095	3058054	10.22%	0.984%
65	18.997	2717	2722	2725	rVV3	537563	877055	2.93%	0.282%
66	19.074	2731	2735	2737	rBV	396676	604993	2.02%	0.195%
67	19.209	2751	2758	2763	rBV	9449142	13105296	43.81%	4.217%
68	19.356	2778	2783	2788	rBV	1685585	2276411	7.61%	0.732%
69	19.539	2809	2814	2816	rVV4	2182842	3466512	11.59%	1.115%
70	19.580	2816	2821	2827	rVV	10322191	14661551	49.01%	4.717%
71	19.639	2827	2831	2837	rVB2	554517	938381	3.14%	0.302%

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72	19.744	2844	2849	2855	rVB	408900	731438	2.45%	0.235%
73	19.892	2868	2874	2882	rVB2	804615	1933497	6.46%	0.622%
74	20.033	2891	2898	2899	rBV2	697073	1158651	3.87%	0.373%
75	20.062	2899	2903	2909	rVB	2655386	3849402	12.87%	1.239%
76	20.162	2916	2920	2924	rBV	1942996	2515815	8.41%	0.809%
77	20.221	2924	2930	2934	rVB2	1097147	1644971	5.50%	0.529%
78	20.362	2950	2954	2958	rVV2	822882	1183293	3.96%	0.381%
79	20.409	2958	2962	2972	rVB	1046530	1798562	6.01%	0.579%
80	20.768	3019	3023	3028	rBV	354743	740662	2.48%	0.238%
81	20.980	3055	3059	3062	rBV	581933	723120	2.42%	0.233%
82	21.021	3062	3066	3069	rVV2	993488	1416971	4.74%	0.456%
83	21.056	3069	3072	3076	rVB2	461424	610521	2.04%	0.196%
84	21.321	3111	3117	3122	rBV2	5196134	8490788	28.38%	2.732%
85	21.374	3122	3126	3135	rVB	4063270	5511610	18.42%	1.773%
86	21.886	3207	3213	3219	rVV	1093187	2223007	7.43%	0.715%
87	21.938	3219	3222	3227	rVB	545006	729839	2.44%	0.235%
88	22.086	3244	3247	3250	rVV2	489586	701399	2.34%	0.226%
89	22.121	3250	3253	3259	rVB2	608894	933637	3.12%	0.300%
90	22.191	3260	3265	3273	rVB2	316661	614983	2.06%	0.198%
91	22.933	3384	3391	3395	rBV	1653009	4056098	13.56%	1.305%
92	23.097	3414	3419	3426	rVB	636460	1105542	3.70%	0.356%
93	23.415	3467	3473	3478	rBV	1091832	2092057	6.99%	0.673%
94	23.468	3478	3482	3485	rVV	790919	1420844	4.75%	0.457%
95	23.521	3485	3491	3498	rVV	2206791	4119496	13.77%	1.325%
96	23.609	3502	3506	3511	rVV	449428	872480	2.92%	0.281%
97	23.662	3511	3515	3522	rVB2	540599	1025828	3.43%	0.330%
98	24.491	3651	3656	3671	rVB	263401	663808	2.22%	0.214%
99	25.921	3890	3899	3909	rVB	747834	2270870	7.59%	0.731%
100	26.626	4012	4019	4040	rVB	500885	1698736	5.68%	0.547%

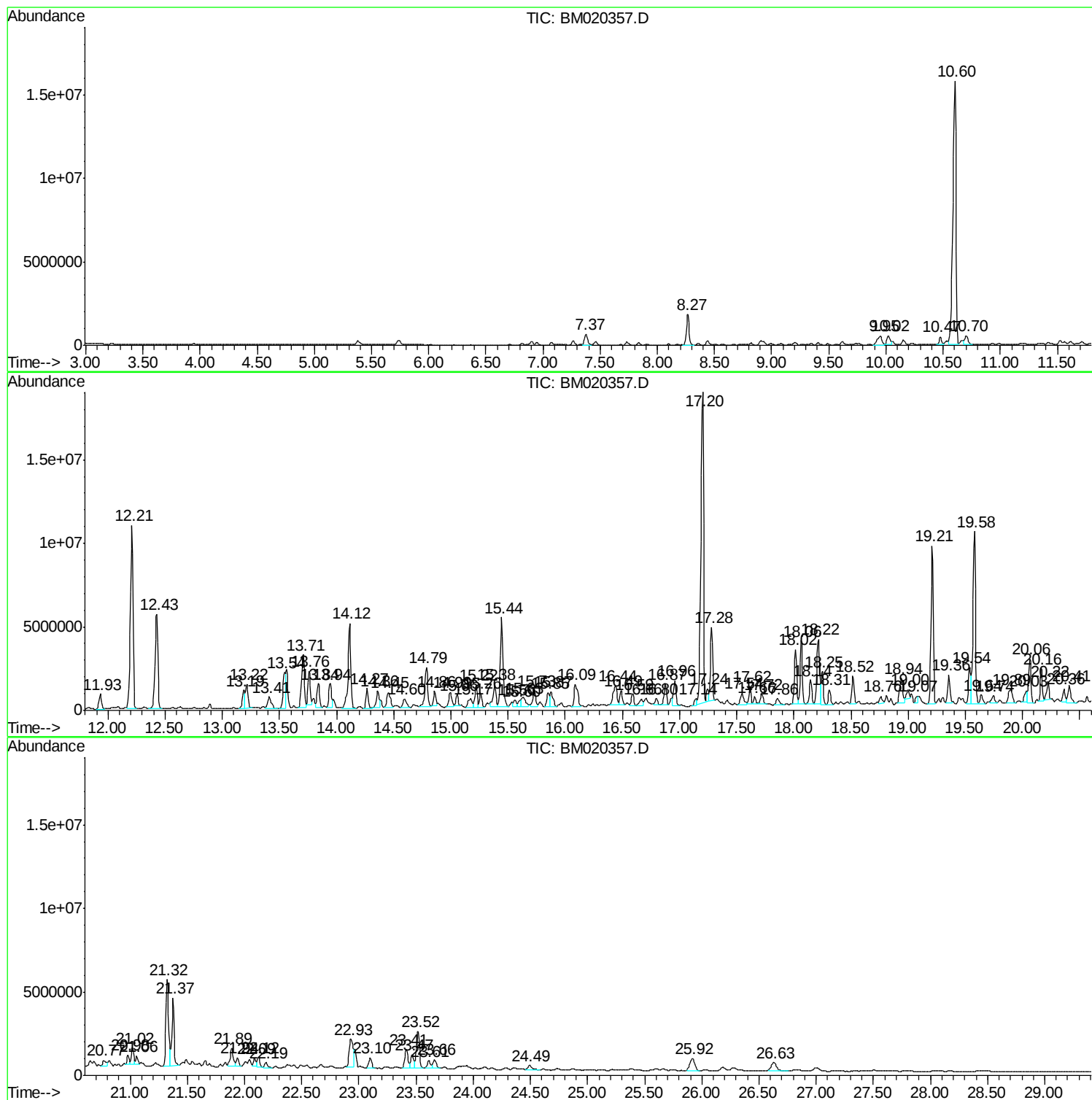
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Instrument :
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM051619MA.M
Quant Title : SVOA CALIBRATION

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



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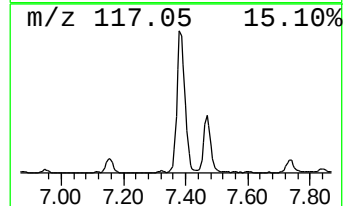
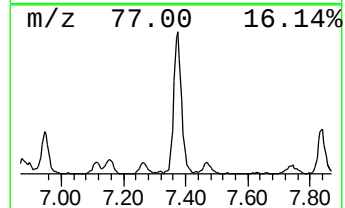
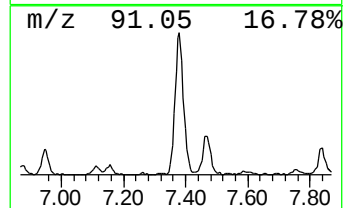
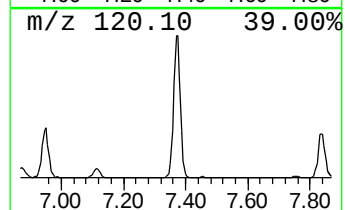
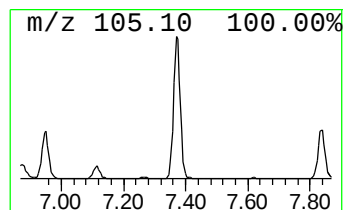
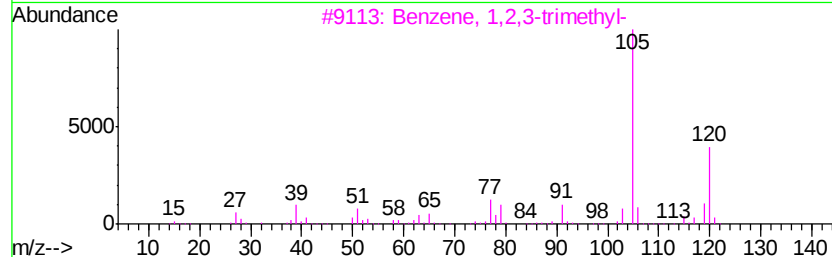
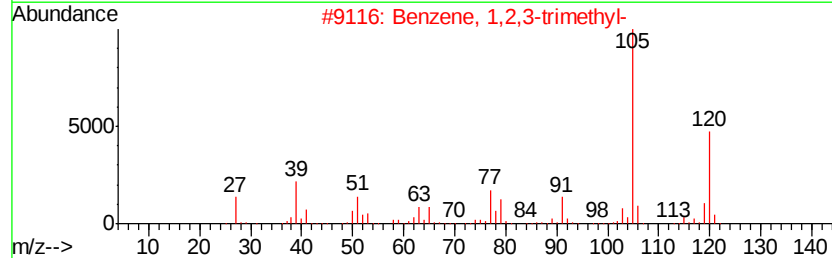
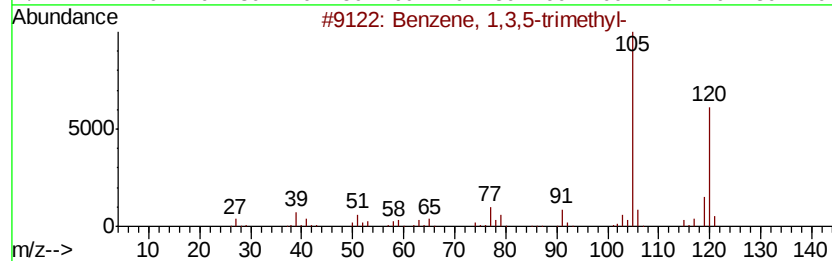
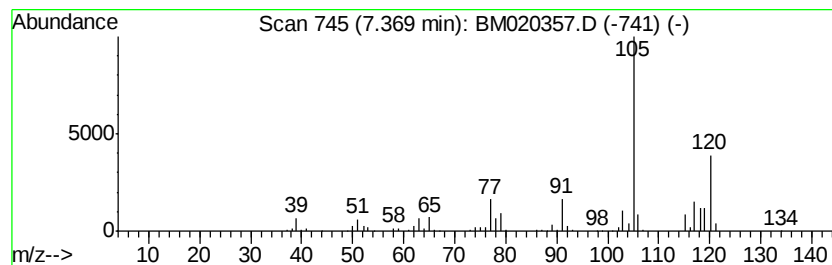
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM051619MA.M
Quant Title : SVOA CALIBRATION

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

Peak Number 1 Benzene, 1,3,5-trimethyl- Concentration Rank 35

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.37	20.00 ng/ul	1250110	1,4-Dichlorobenzene-d4	7.73

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, 1,3,5-trimethyl-	120	C9H12	000108-67-8	64
2		Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	64
3		Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	60
4		2,4-Nonadiyne	120	C9H12	063621-15-8	60
5		Benzene, 1,3,5-trimethyl-	120	C9H12	000108-67-8	60



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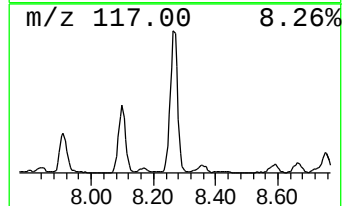
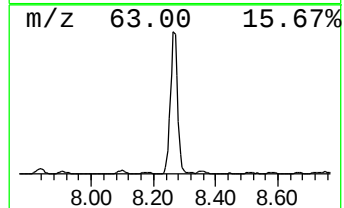
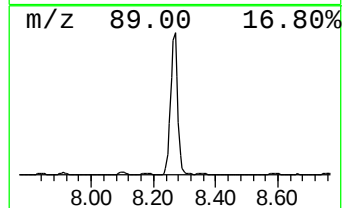
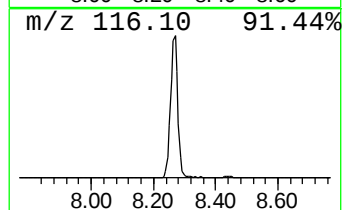
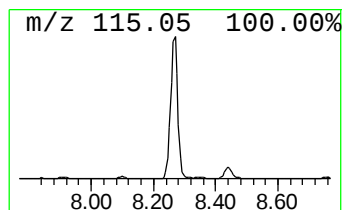
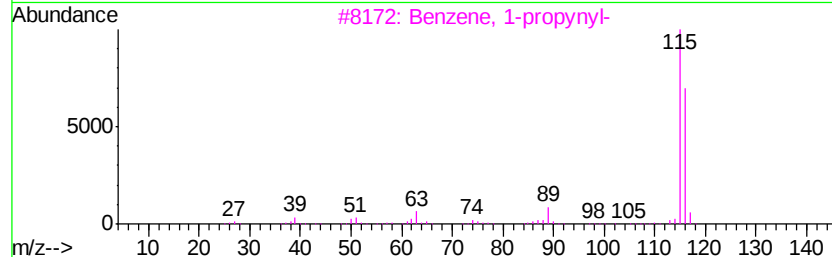
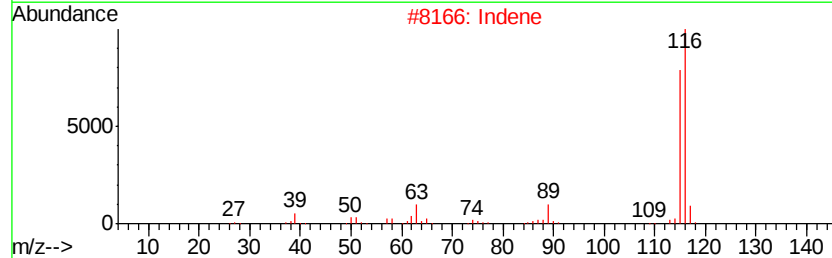
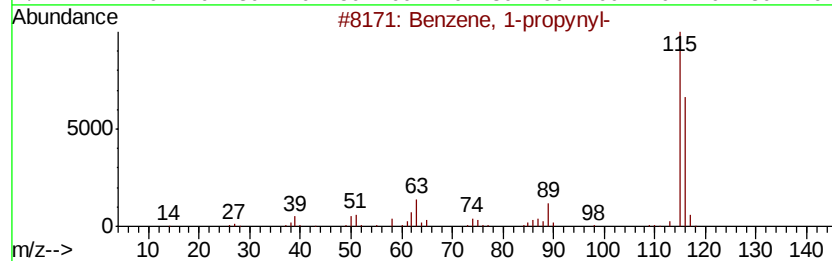
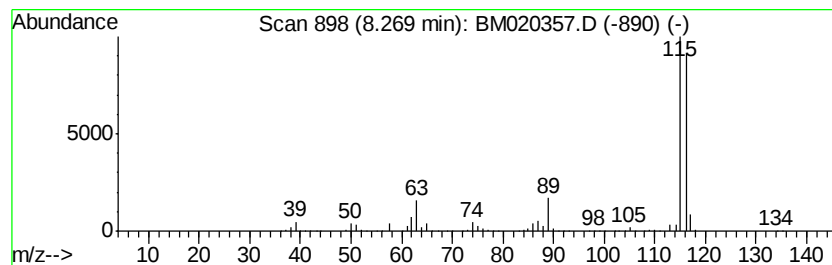
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM051619MA.M
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TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 2 Benzene, 1-propynyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.27	47.93 ng/ul	2995770	1,4-Dichlorobenzene-d4	7.73

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, 1-propynyl-	116	C9H8	000673-32-5	95
2		Indene	116	C9H8	000095-13-6	91
3		Benzene, 1-propynyl-	116	C9H8	000673-32-5	91
4		Benzene, 1,2-propadienyl-	116	C9H8	002327-99-3	91
5		Benzene,1-ethynyl-2-methyl-	116	C9H8	000766-47-2	91



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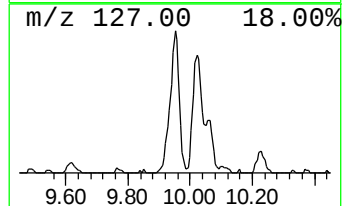
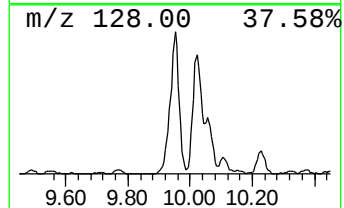
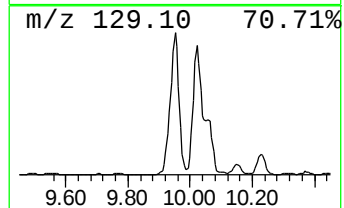
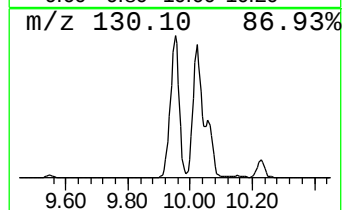
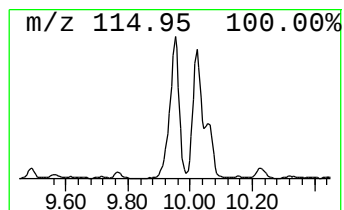
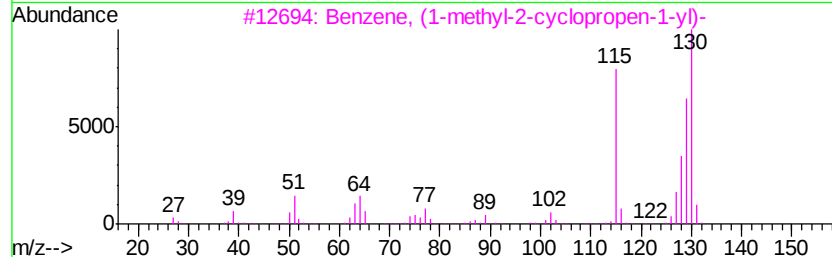
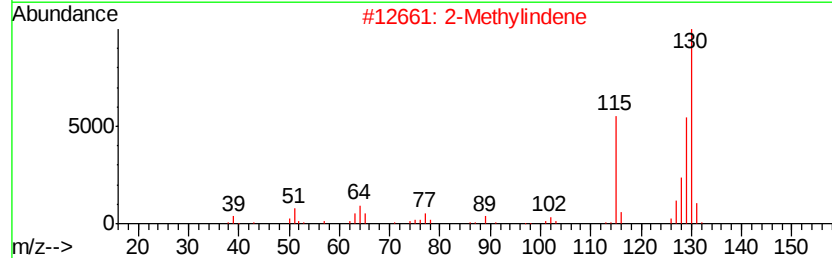
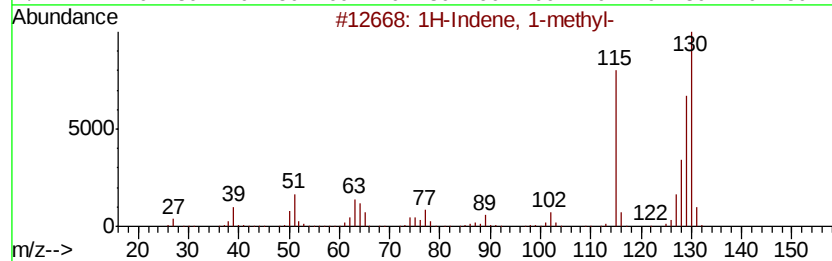
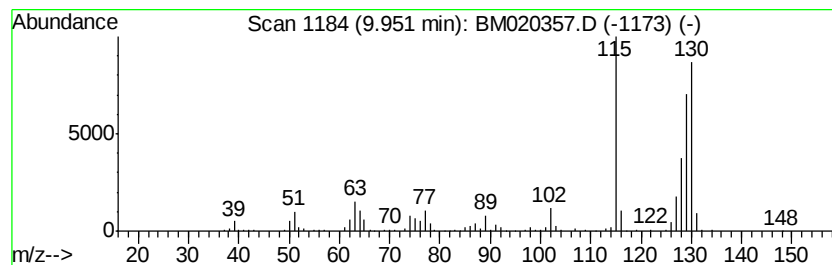
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Quant Title : SVOA CALIBRATION

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

Peak Number 3 1H-Indene, 1-methyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.95	40.88 ng/ul	1537040	Naphthalene-d8	10.53

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	1H-Indene, 1-methyl-	130	C10H10	000767-59-9	95
2		2-Methylindene	130	C10H10	002177-47-1	95
3		Benzene, (1-methyl-2-cyclopropen-1-yl)-	130	C10H10	065051-83-4	93
4		Benzene, 1-butynyl-	130	C10H10	000622-76-4	93
5		2-Methylindene	130	C10H10	002177-47-1	93



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM051719\
Data File : BM020357.D
Acq On : 17 May 2019 10:21
Operator : JU/SJ
Sample : K2604-01ME
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
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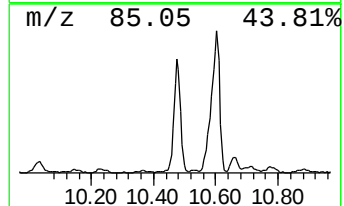
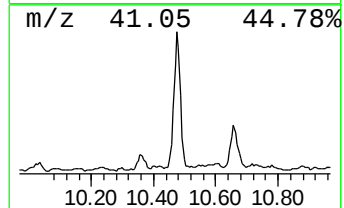
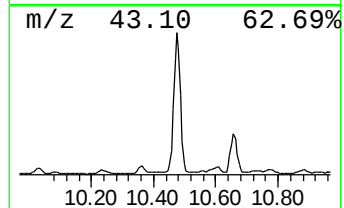
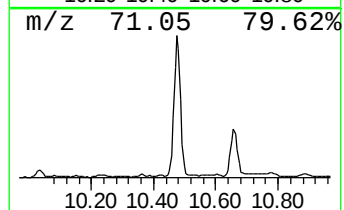
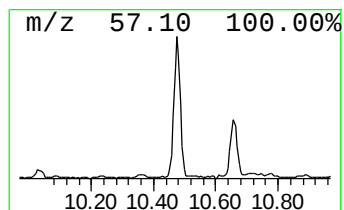
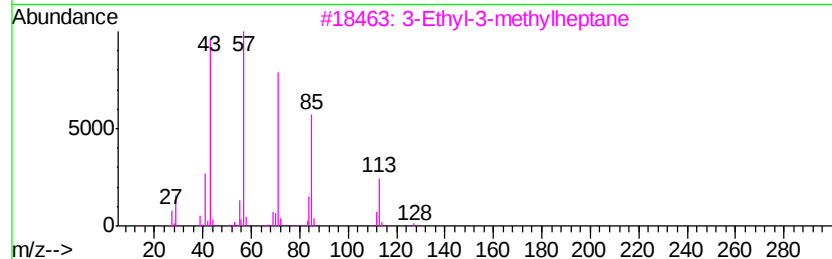
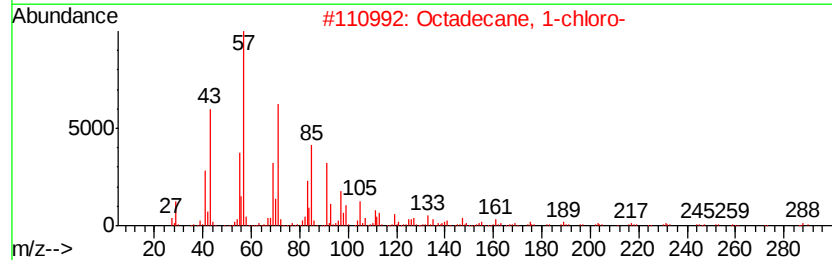
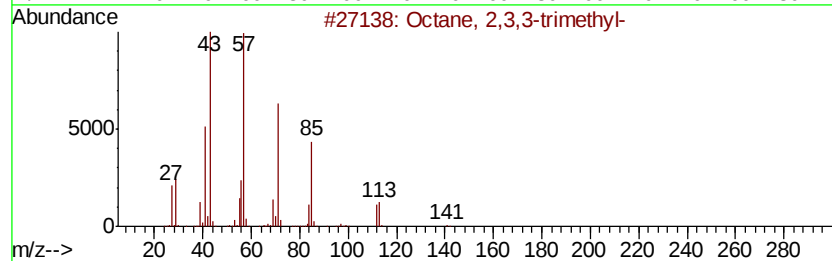
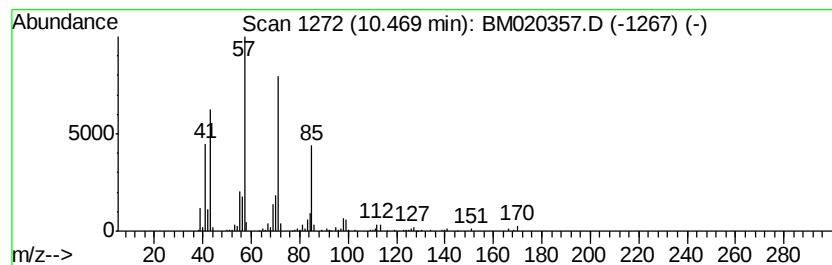
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Quant Title : SVOA CALIBRATION

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

Peak Number 5 (DEL) Alkane: Straight-Chai... Concentration Rank 36

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.47	20.00 ng/ul	752042	Naphthalene-d8	10.53

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Octane, 2,3,3-trimethyl-	156	C11H24	062016-30-2	86
2		Octadecane, 1-chloro-	288	C18H37Cl	003386-33-2	78
3		3-Ethyl-3-methylheptane	142	C10H22	017302-01-1	64
4		Octane, 6-ethyl-2-methyl-	156	C11H24	062016-19-7	64
5		Dodecane, 1-iodo-	296	C12H25I	004292-19-7	64



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM051719\
Data File : BM020357.D
Acq On : 17 May 2019 10:21
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Sample : K2604-01ME
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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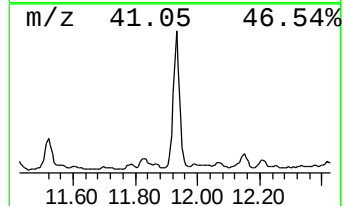
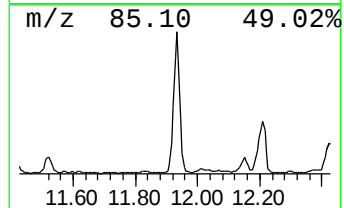
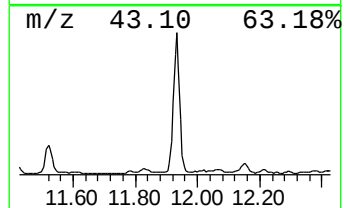
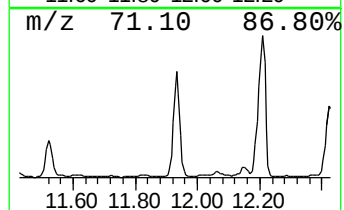
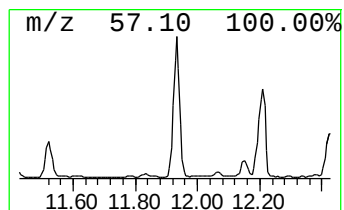
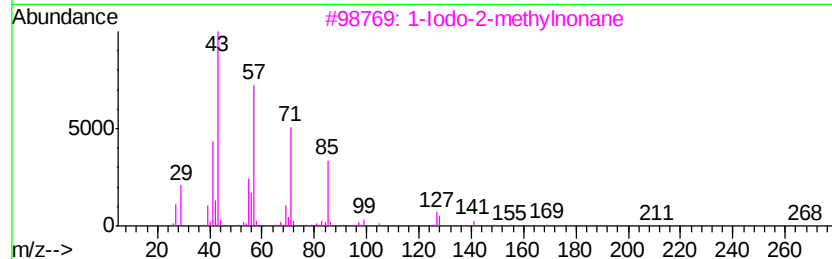
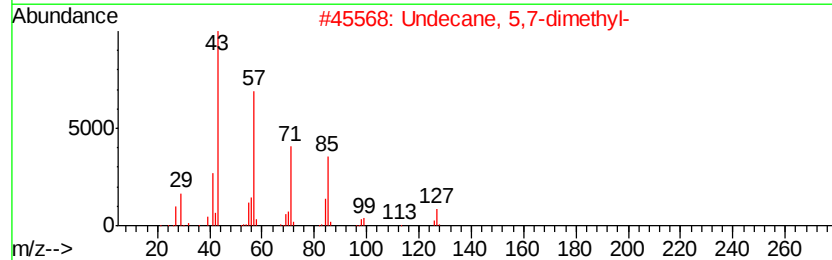
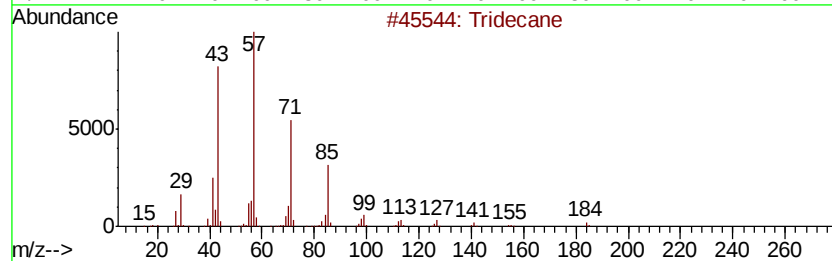
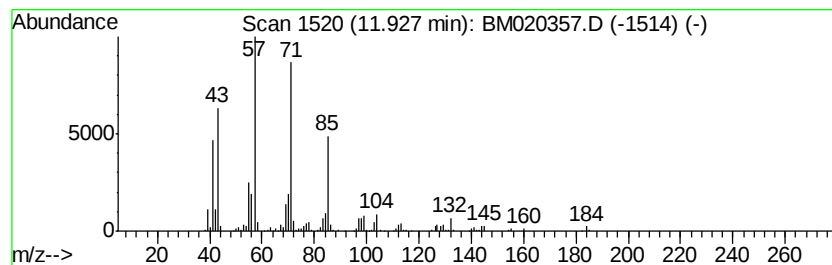
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Quant Title : SVOA CALIBRATION

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

Peak Number 6 (DEL) Alkane: Straight-Chai... Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.93	37.37 ng/ul	1405230	Naphthalene-d8	10.53

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Tridecane	184	C13H28	000629-50-5	81
2		Undecane, 5,7-dimethyl-	184	C13H28	017312-83-3	72
3		1-Iodo-2-methylnonane	268	C10H21I	1000101-47-9	72
4		Pentane, 2,3,3-trimethyl-	114	C8H18	000560-21-4	72
5		Decane, 2,3,5-trimethyl-	184	C13H28	062238-11-3	72



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM051719\
Data File : BM020357.D
Acq On : 17 May 2019 10:21
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Sample : K2604-01ME
Misc :
ALS Vial : 4 Sample Multiplier: 1

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ClientSampleId :
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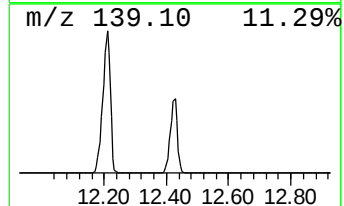
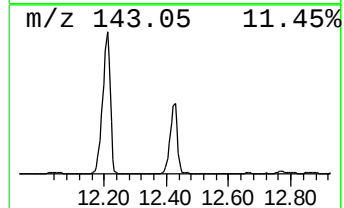
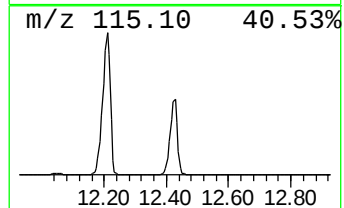
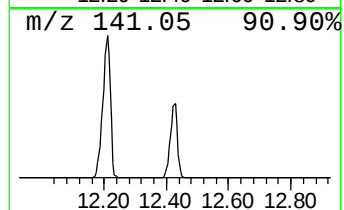
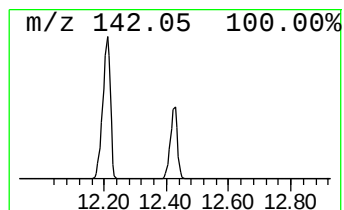
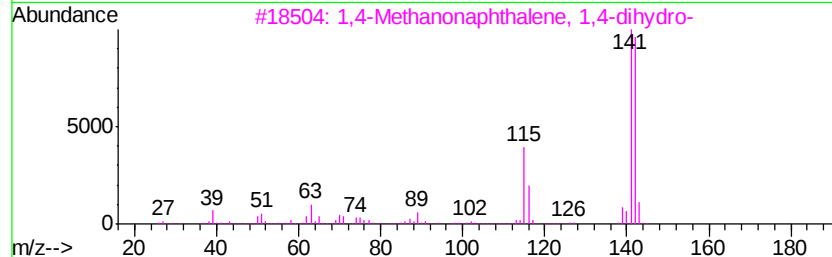
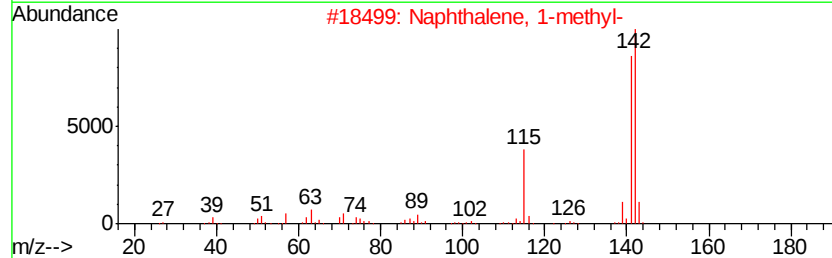
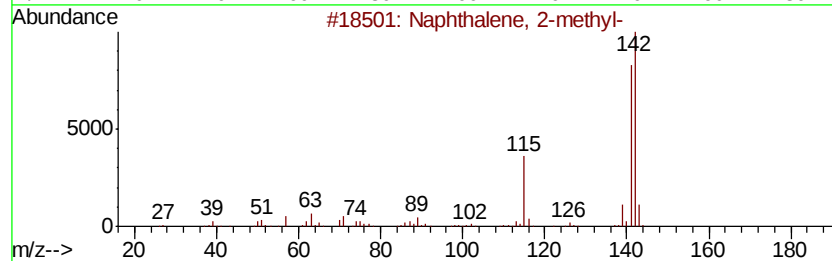
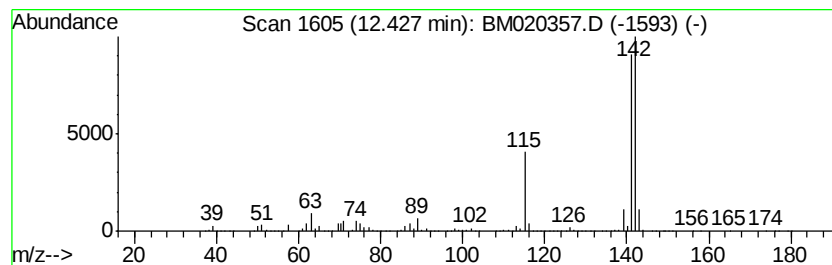
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Quant Title : SVOA CALIBRATION

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

Peak Number 7 Naphthalene, 1-methyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.43	249.21 ng/ul	9370960	Naphthalene-d8	10.53

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, 2-methyl-	142	C11H10	000091-57-6	93
5		Benzocycloheptatriene	142	C11H10	000264-09-5	91



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM051719\
Data File : BM020357.D
Acq On : 17 May 2019 10:21
Operator : JU/SJ
Sample : K2604-01ME
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
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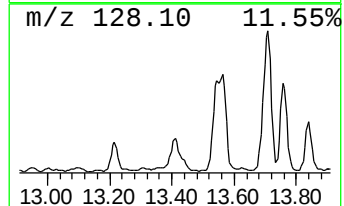
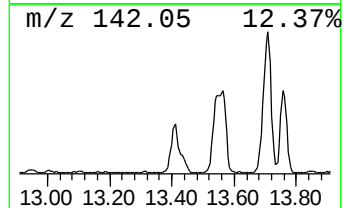
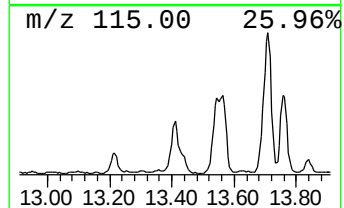
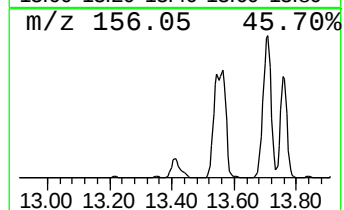
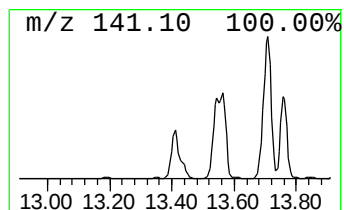
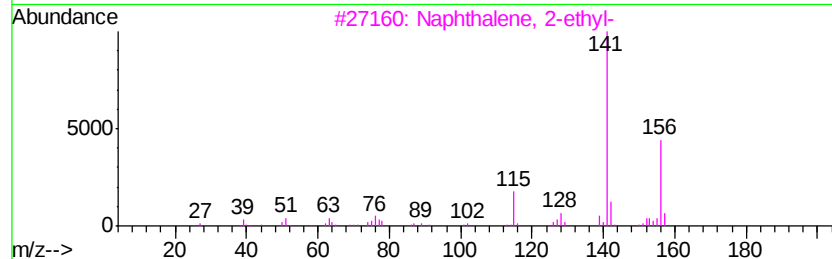
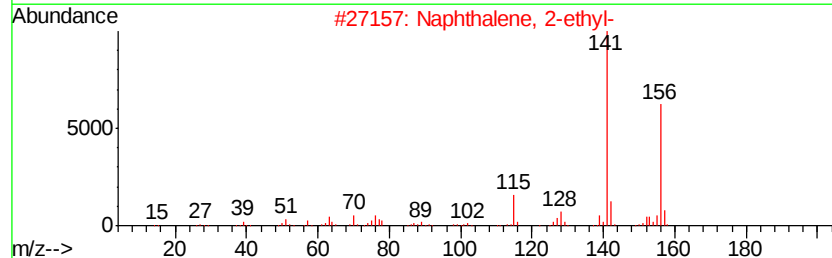
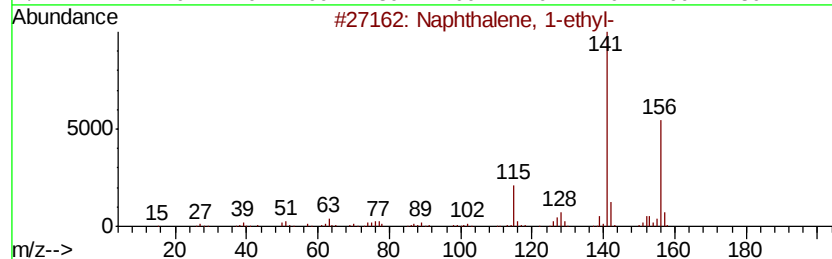
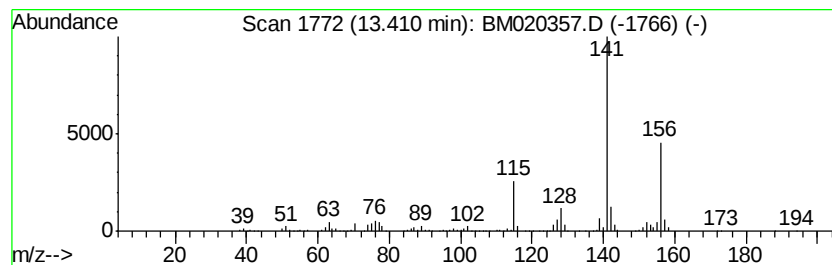
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Quant Title : SVOA CALIBRATION

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

Peak Number 8 Naphthalene, 1-ethyl- Concentration Rank 43

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.41	17.40 ng/ul	1634390	Acenaphthene-d10	14.39

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphthalene, 1-ethyl-	156	C12H12	001127-76-0	96
2		Naphthalene, 2-ethyl-	156	C12H12	000939-27-5	94
3		Naphthalene, 2-ethyl-	156	C12H12	000939-27-5	93
4		Naphthalene, 2-ethyl-	156	C12H12	000939-27-5	93
5		Naphthalene, 1-ethyl-	156	C12H12	001127-76-0	92



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM051719\
Data File : BM020357.D
Acq On : 17 May 2019 10:21
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Sample : K2604-01ME
Misc :
ALS Vial : 4 Sample Multiplier: 1

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ClientSampleId :
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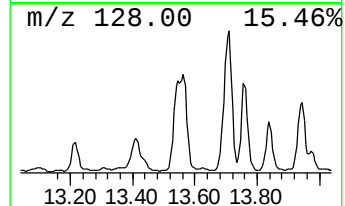
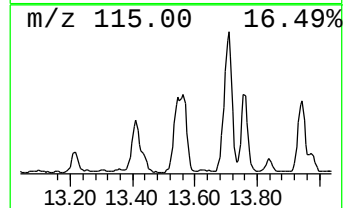
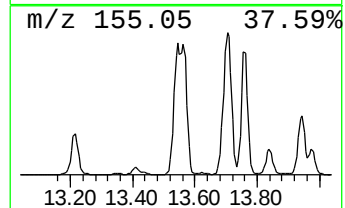
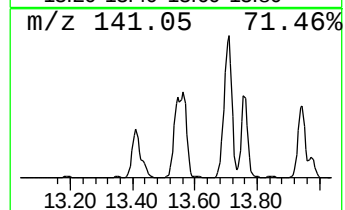
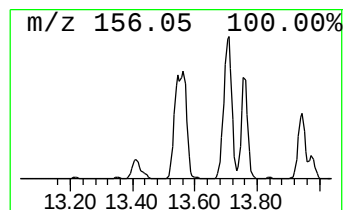
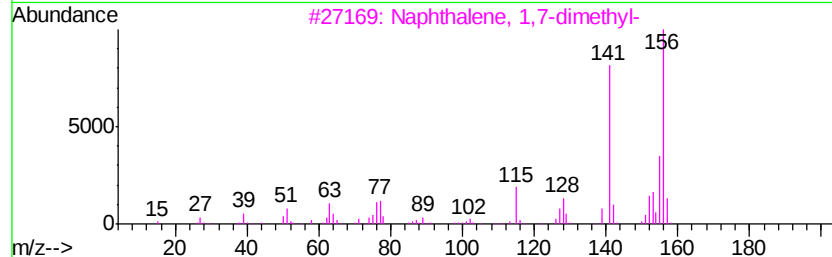
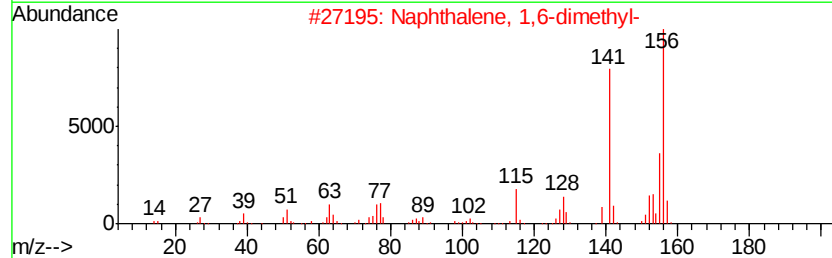
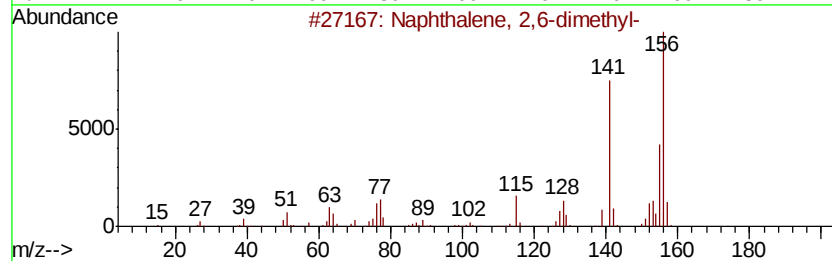
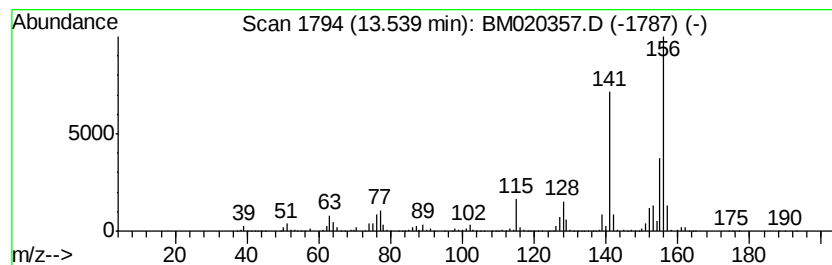
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Quant Title : SVOA CALIBRATION

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

Peak Number 9 Naphthalene, 2,6-dimethyl- Concentration Rank 23

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.54	33.24 ng/ul	3122510	Acenaphthene-d10	14.39

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	98
2		Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	98
3		Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	98
4		Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	97
5		Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	97



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM051719\
Data File : BM020357.D
Acq On : 17 May 2019 10:21
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Misc :
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ClientSampleId :
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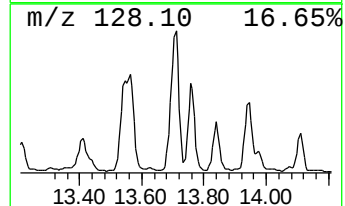
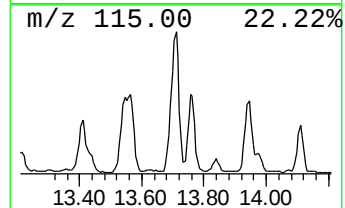
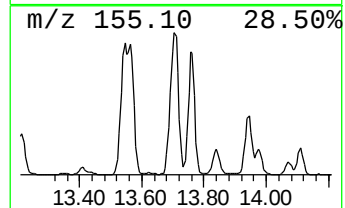
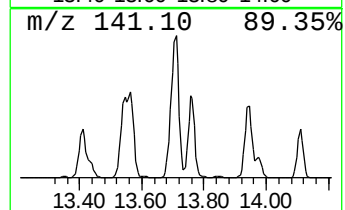
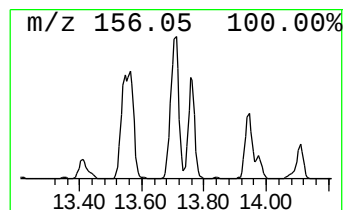
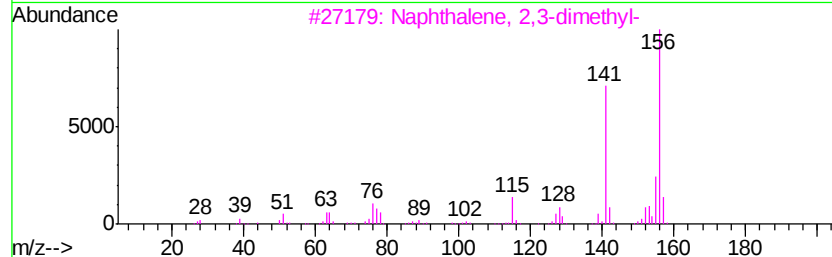
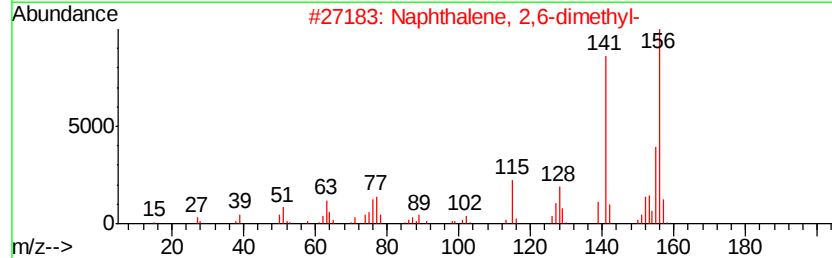
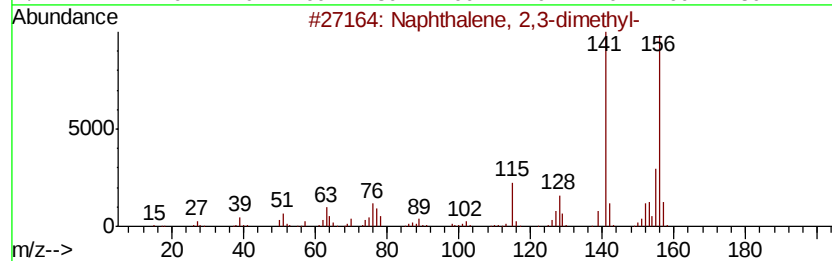
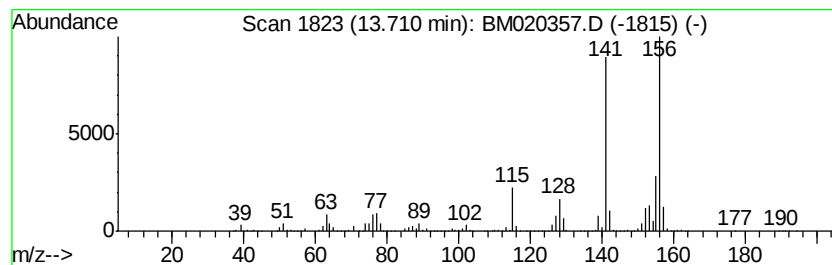
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Quant Title : SVOA CALIBRATION

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

Peak Number 10 Naphthalene, 2,3-dimethyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.71	61.06 ng/ul	5736550	Acenaphthene-d10	14.39

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	98
2		Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	98
3		Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	97
4		Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	97
5		Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	97



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM051719\
Data File : BM020357.D
Acq On : 17 May 2019 10:21
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Misc :
ALS Vial : 4 Sample Multiplier: 1

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ClientSampleId :
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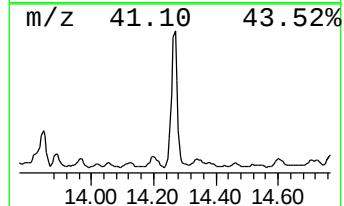
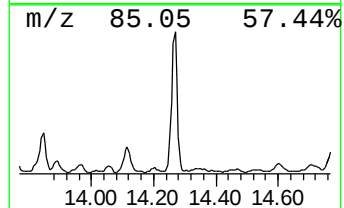
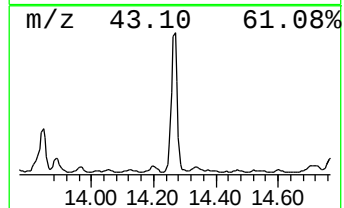
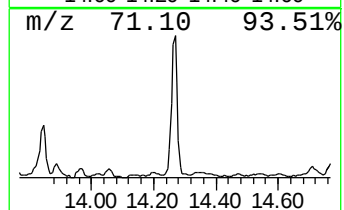
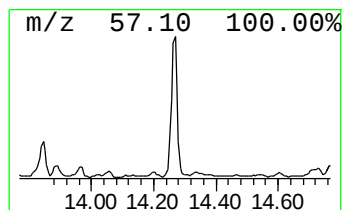
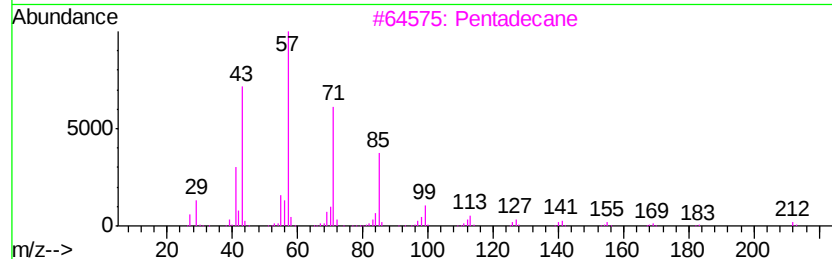
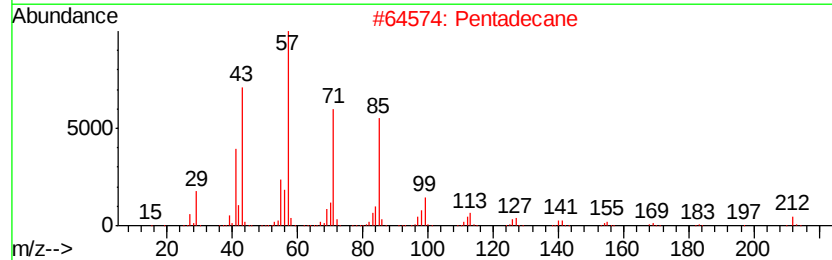
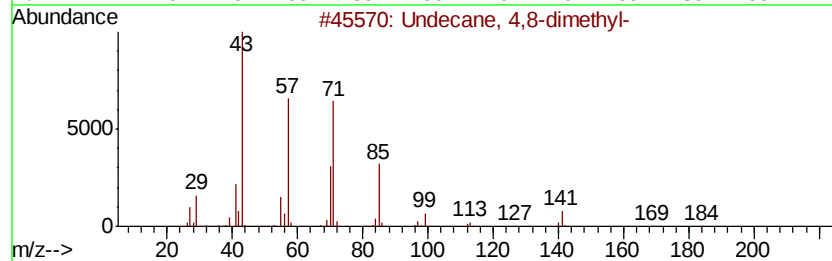
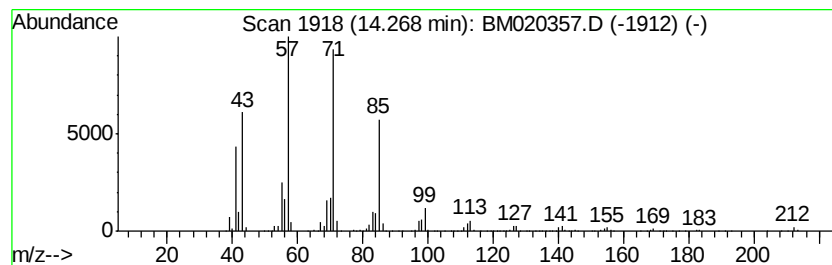
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Quant Title : SVOA CALIBRATION

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

Peak Number 12 (DEL) Alkane: Straight-Chai... Concentration Rank 40

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.27	18.16 ng/ul	1705990	Acenaphthene-d10	14.39

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Undecane, 4,8-dimethyl-	184	C13H28	017301-33-6	83
2		Pentadecane	212	C15H32	000629-62-9	68
3		Pentadecane	212	C15H32	000629-62-9	64
4		Pentadecane, 2,6,10,14-tetramethyl-	268	C19H40	001921-70-6	64
5		Pentadecane	212	C15H32	000629-62-9	60



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM051719\
Data File : BM020357.D
Acq On : 17 May 2019 10:21
Operator : JU/SJ
Sample : K2604-01ME
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
GAJ75ME

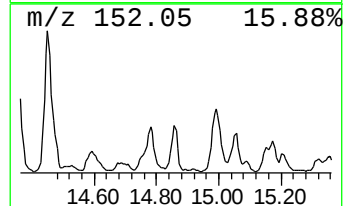
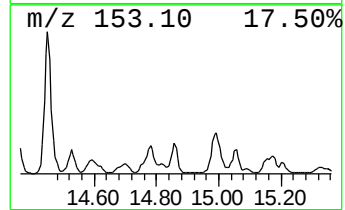
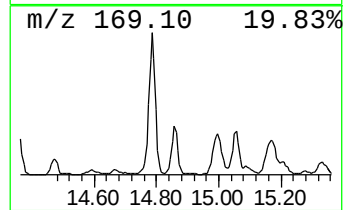
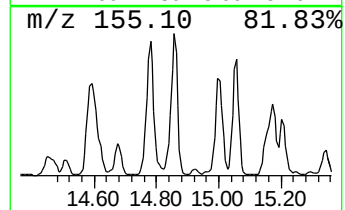
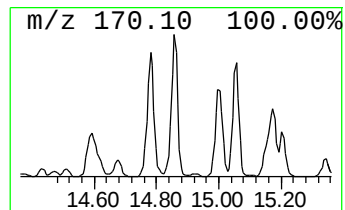
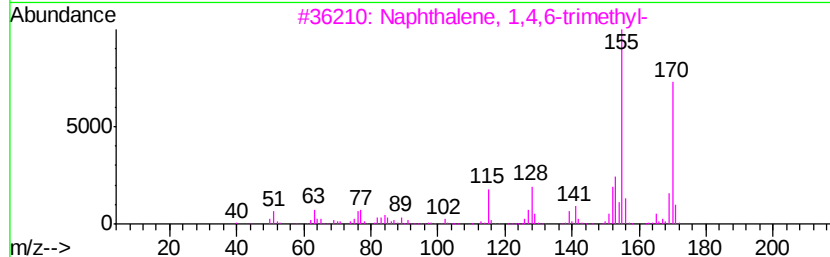
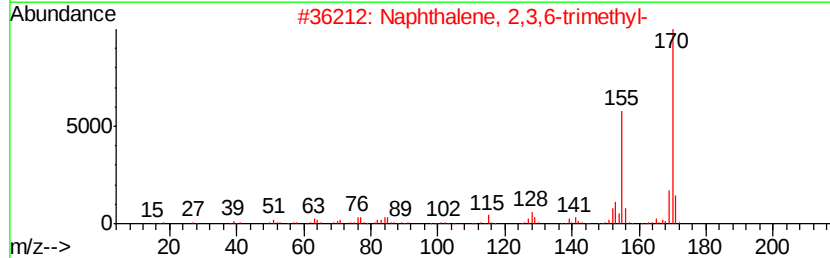
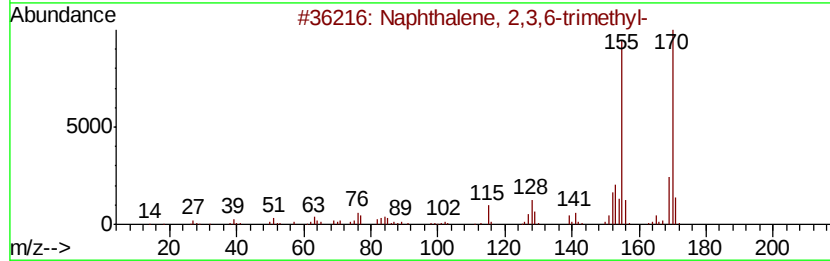
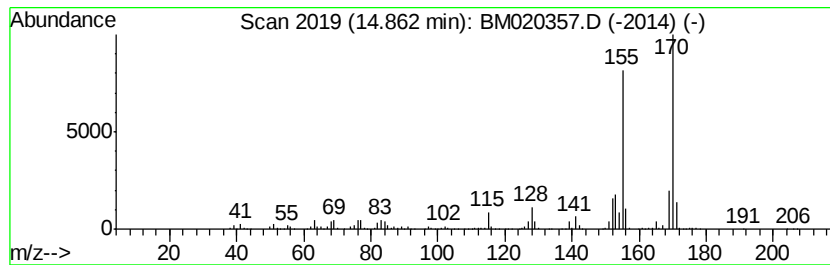
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Quant Title : SVOA CALIBRATION

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

Peak Number 13 Naphthalene, 2,3,6-trimethyl- Concentration Rank 48

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.86	12.00 ng/ul	1127460	Acenaphthene-d10	14.39

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



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM051719\
Data File : BM020357.D
Acq On : 17 May 2019 10:21
Operator : JU/SJ
Sample : K2604-01ME
Misc :
ALS Vial : 4 Sample Multiplier: 1

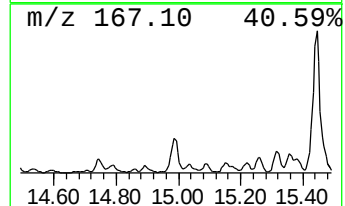
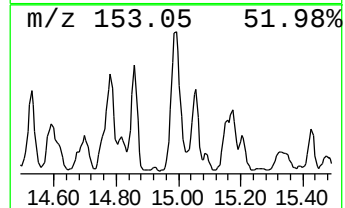
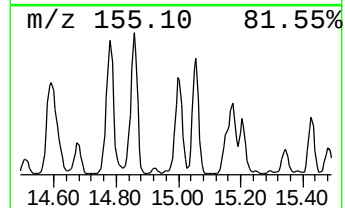
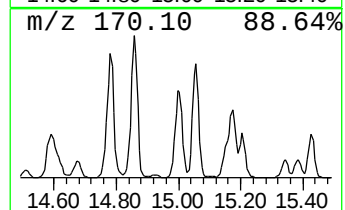
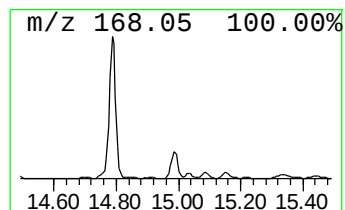
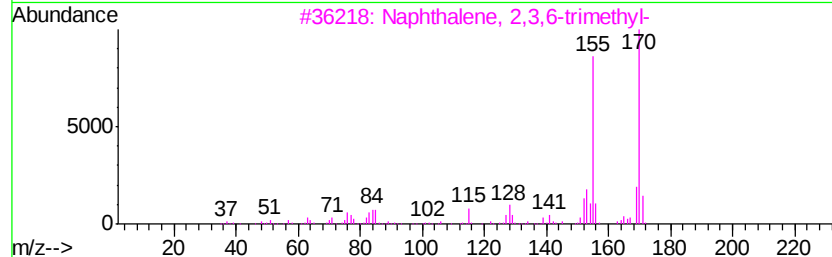
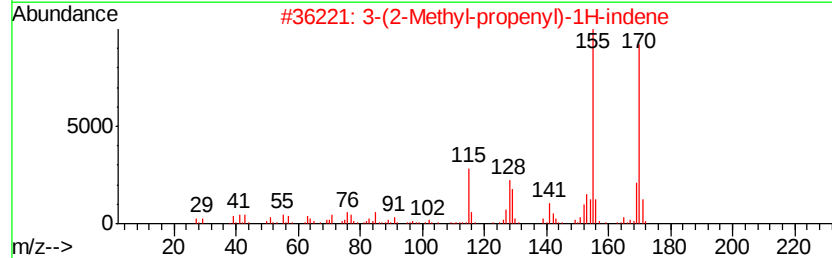
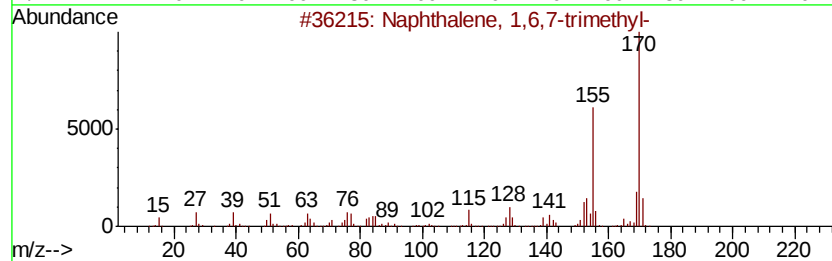
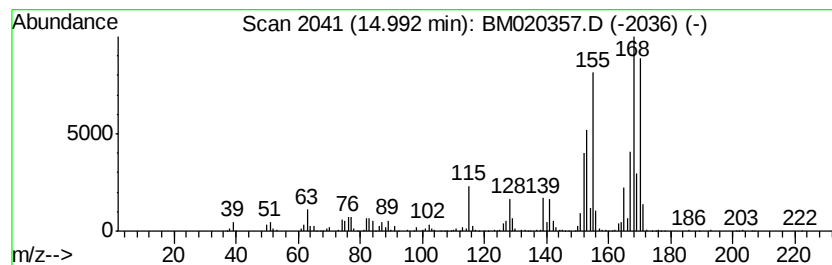
Instrument :
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ClientSampleId :
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Quant Title : SVOA CALIBRATION

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

Peak Number 14 Naphthalene, 1,6,7-trimethyl- Concentration Rank 42

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.99	17.55 ng/ul	1648580	Acenaphthene-d10	14.39
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1		Naphthalene, 1,6,7-trimethyl-	170 C13H14	002245-38-7 83
2		3-(2-Methyl-propenyl)-1H-indene	170 C13H14	1000187-78-5 60
3		Naphthalene, 2,3,6-trimethyl-	170 C13H14	000829-26-5 50
4		Naphthalene, 2,3,6-trimethyl-	170 C13H14	000829-26-5 50
5		Naphthalene, 1,6,7-trimethyl-	170 C13H14	002245-38-7 45



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM051719\
Data File : BM020357.D
Acq On : 17 May 2019 10:21
Operator : JU/SJ
Sample : K2604-01ME
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
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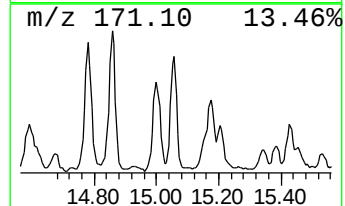
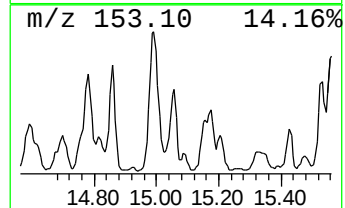
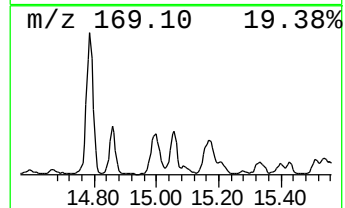
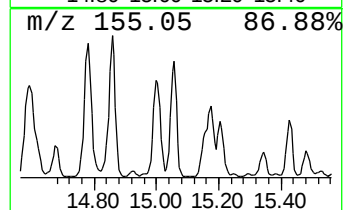
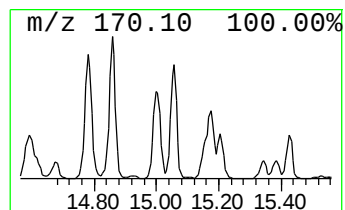
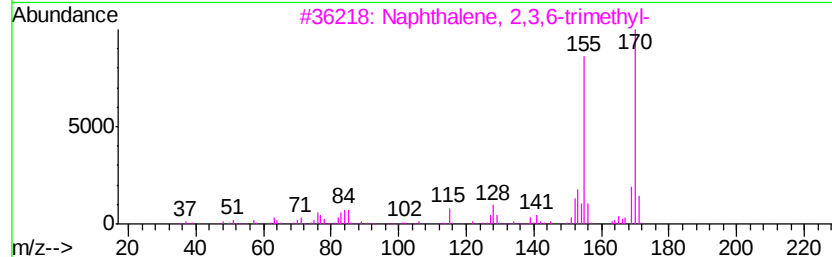
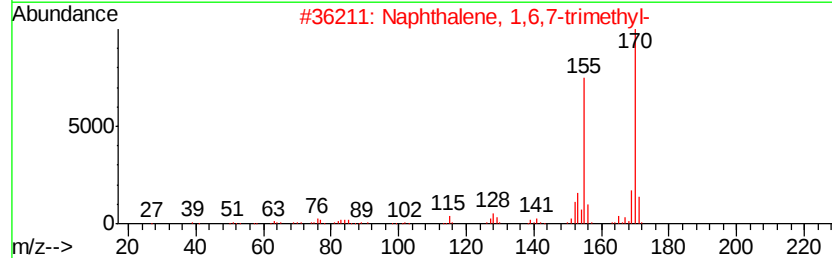
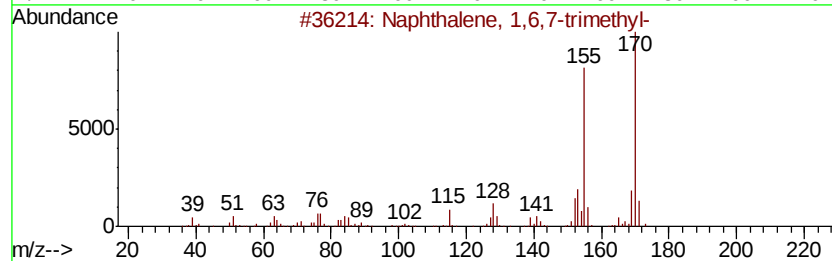
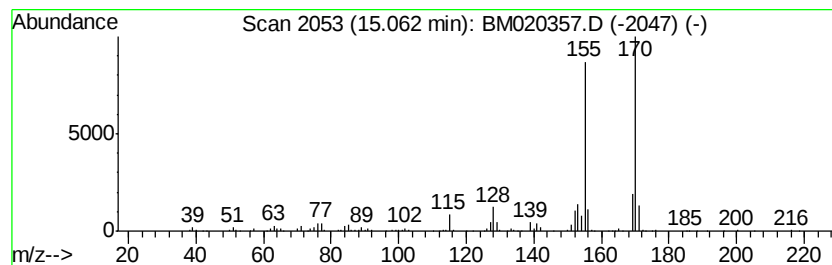
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Quant Title : SVOA CALIBRATION

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

Peak Number 15 Naphthalene, 1,4,6-trimethyl- Concentration Rank 49

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.06	9.26 ng/ul	869874	Acenaphthene-d10	14.39

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



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM051719\
Data File : BM020357.D
Acq On : 17 May 2019 10:21
Operator : JU/SJ
Sample : K2604-01ME
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
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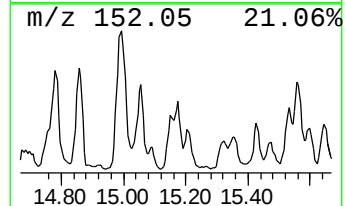
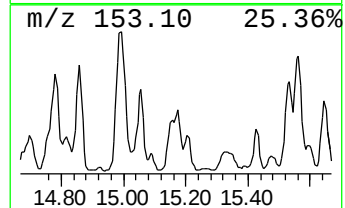
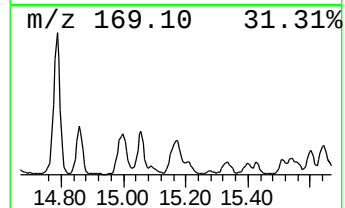
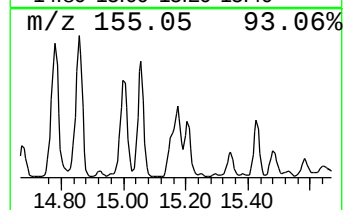
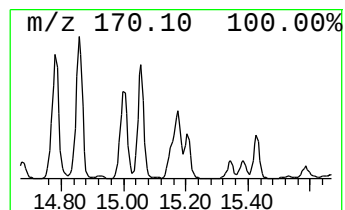
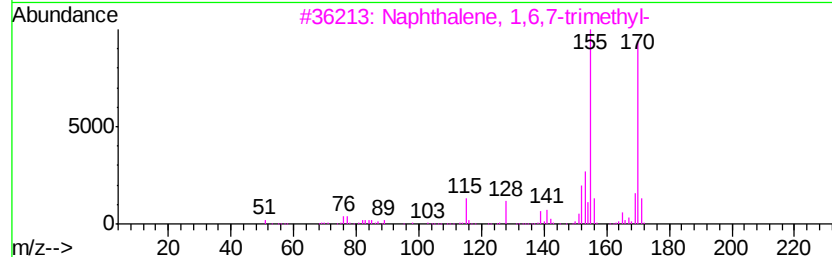
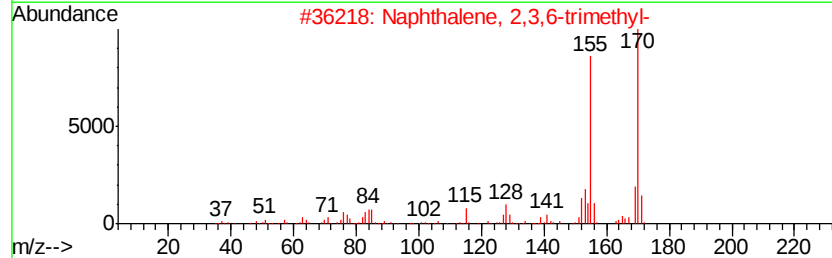
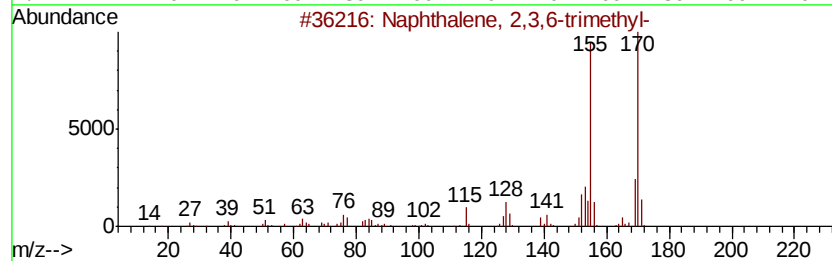
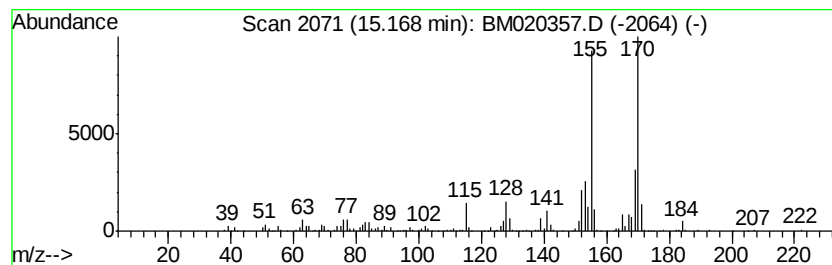
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Quant Title : SVOA CALIBRATION

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

Peak Number 16 Naphthalene, 1,4,5-trimethyl- Concentration Rank 46

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.17	13.35 ng/ul	1254280	Acenaphthene-d10	14.39

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	97
2		Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	97
3		Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	96
4		Naphthalene, 1,4,5-trimethyl-	170	C13H14	002131-41-1	96
5		Naphthalene, 1,4,6-trimethyl-	170	C13H14	002131-42-2	96



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM051719\
 Data File : BM020357.D
 Acq On : 17 May 2019 10:21
 Operator : JU/SJ
 Sample : K2604-01ME
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
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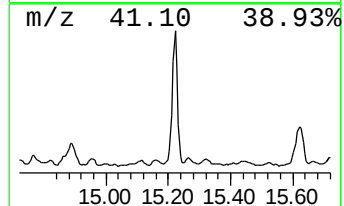
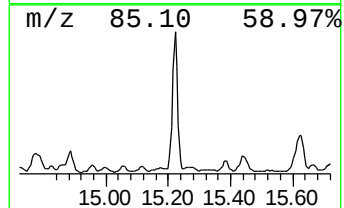
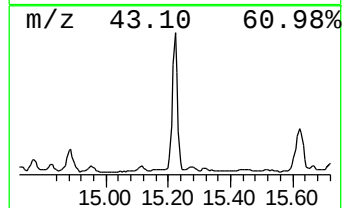
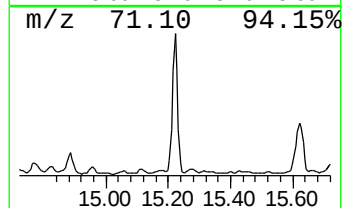
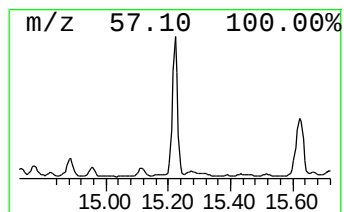
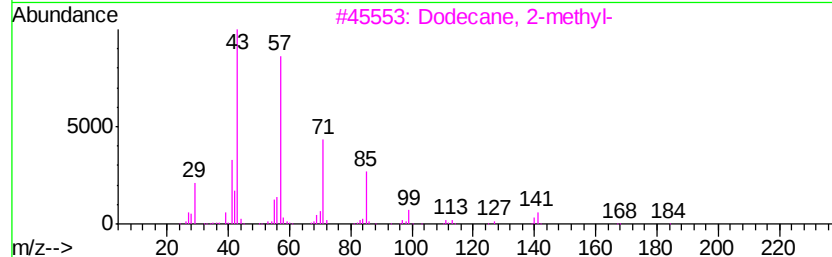
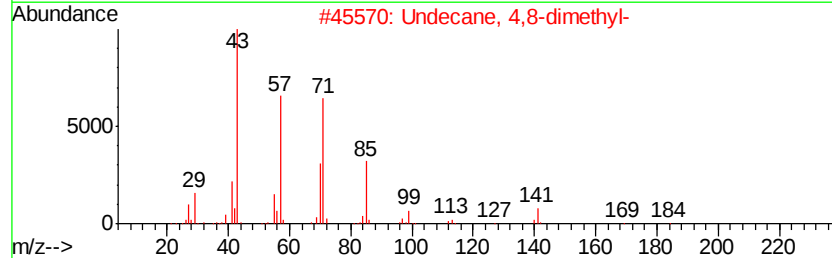
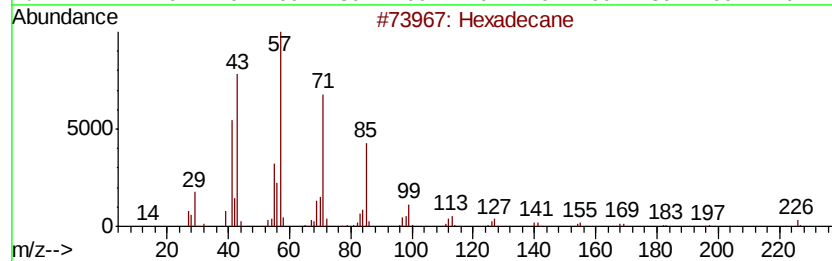
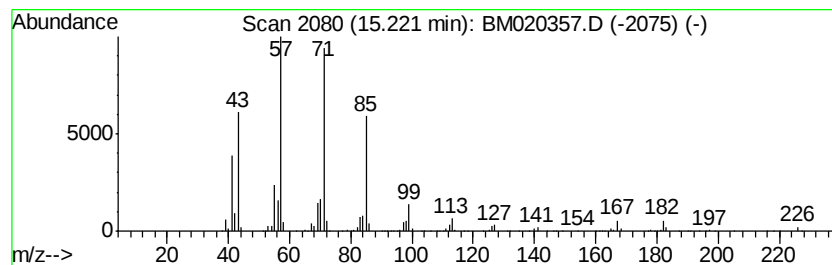
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 Quant Title : SVOA CALIBRATION

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

 Peak Number 17 (DEL) Alkane: Straight-Chai... Concentration Rank 33

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.22	20.19 ng/ul	1896440	Acenaphthene-d10	14.39

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Hexadecane	226	C16H34	000544-76-3	87
2		Undecane, 4,8-dimethyl-	184	C13H28	017301-33-6	78
3		Dodecane, 2-methyl-	184	C13H28	001560-97-0	78
4		Hexadecane	226	C16H34	000544-76-3	70
5		Hexadecane	226	C16H34	000544-76-3	68



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM051719\
Data File : BM020357.D
Acq On : 17 May 2019 10:21
Operator : JU/SJ
Sample : K2604-01ME
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
GAJ75ME

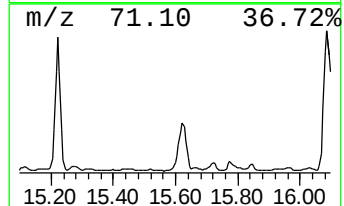
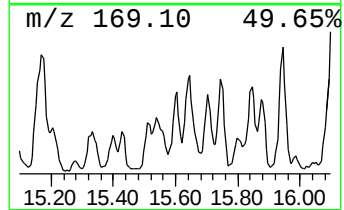
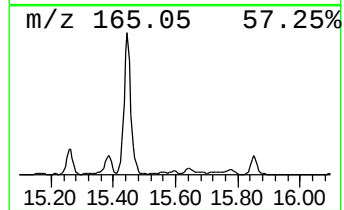
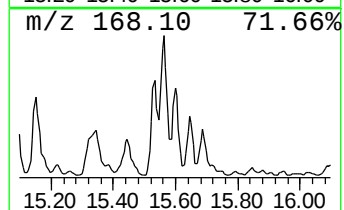
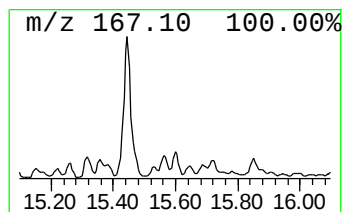
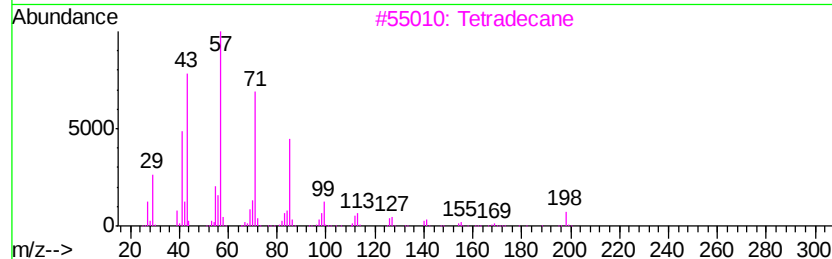
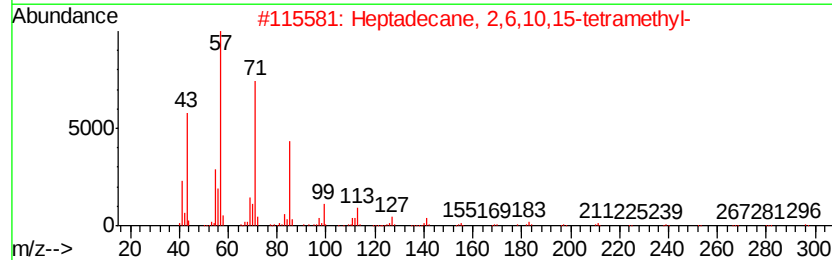
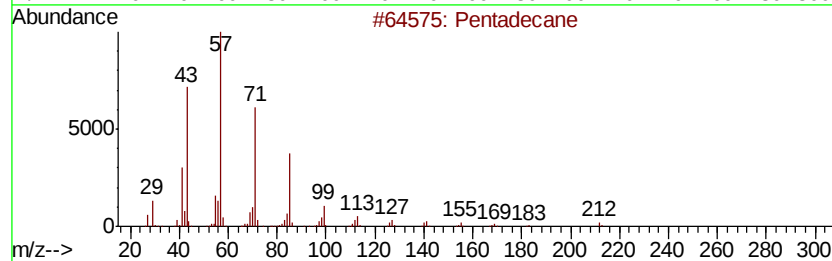
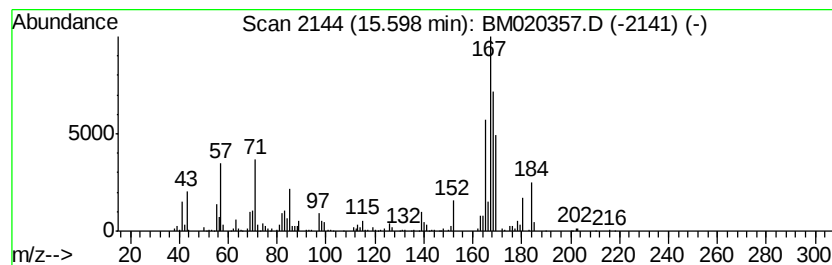
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Quant Title : SVOA CALIBRATION

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.
15.60	6.26 ng/ul	587959	Acenaphthene-d10	14.39

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Pentadecane	212	C15H32	000629-62-9	25
2		Heptadecane, 2,6,10,15-tetramethyl-	296	C21H44	054833-48-6	25
3		Tetradecane	198	C14H30	000629-59-4	25
4		Benzene, 1,1'-(chloromethylene)bis-	202	C13H11Cl	000090-99-3	25
5		Tetratetracontane	619	C44H90	007098-22-8	25



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM051719\
Data File : BM020357.D
Acq On : 17 May 2019 10:21
Operator : JU/SJ
Sample : K2604-01ME
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
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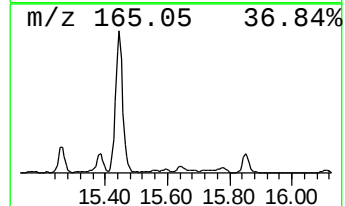
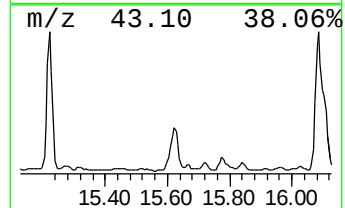
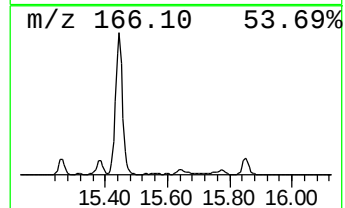
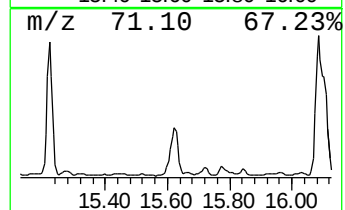
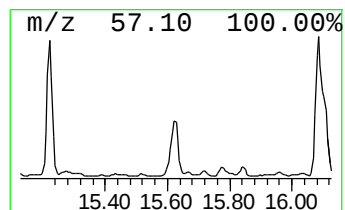
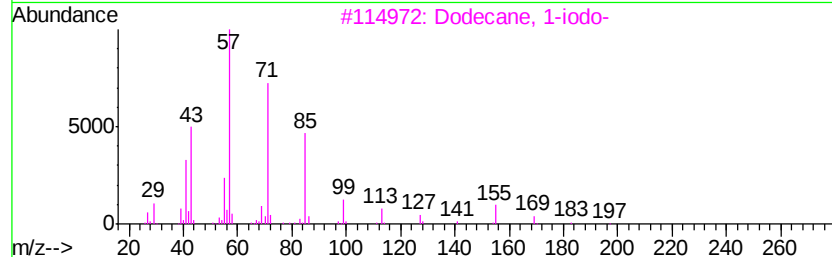
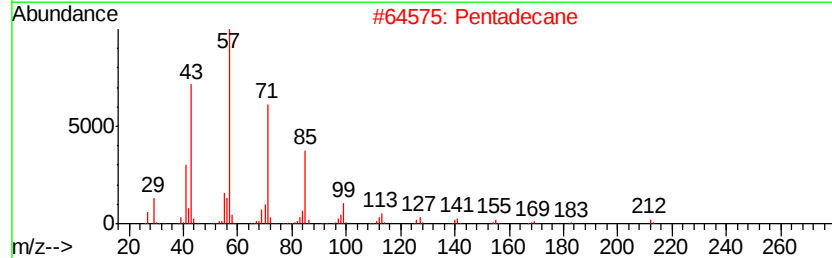
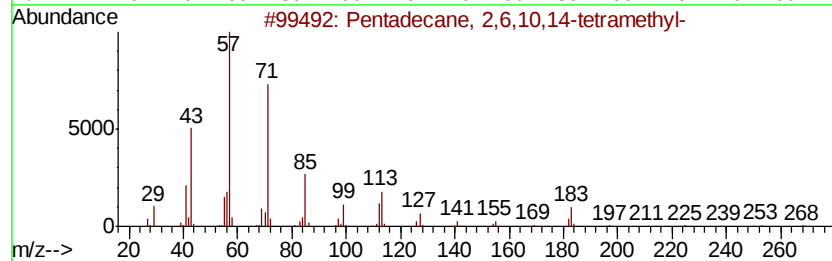
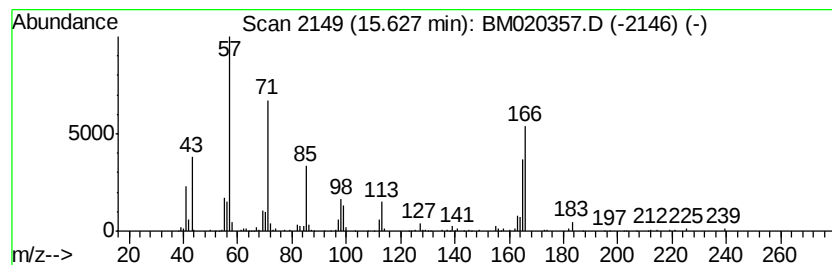
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Quant Title : SVOA CALIBRATION

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

Peak Number 20 (DEL) Alkane: Straight-Chai... Concentration Rank 44

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.63	15.58 ng/ul	1463430	Acenaphthene-d10	14.39

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Pentadecane, 2,6,10,14-tetramethyl-	268	C19H40	001921-70-6	43
2		Pentadecane	212	C15H32	000629-62-9	43
3		Dodecane, 1-iodo-	296	C12H25I	004292-19-7	43
4		Decane, 3-methyl-	156	C11H24	013151-34-3	38
5		Hexadecane	226	C16H34	000544-76-3	38



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM051719\
Data File : BM020357.D
Acq On : 17 May 2019 10:21
Operator : JU/SJ
Sample : K2604-01ME
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
GAJ75ME

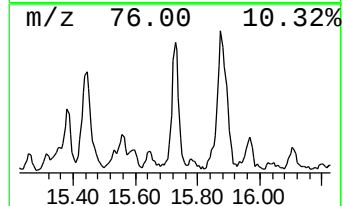
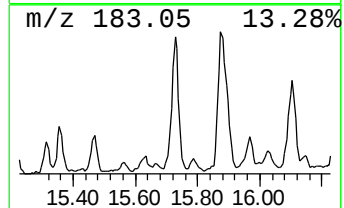
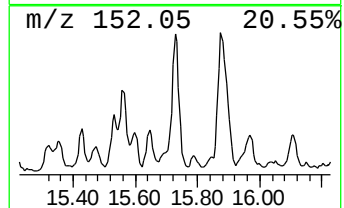
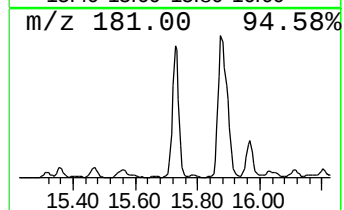
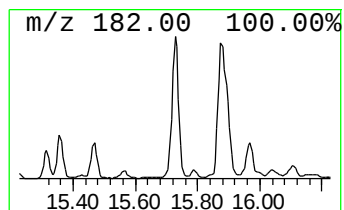
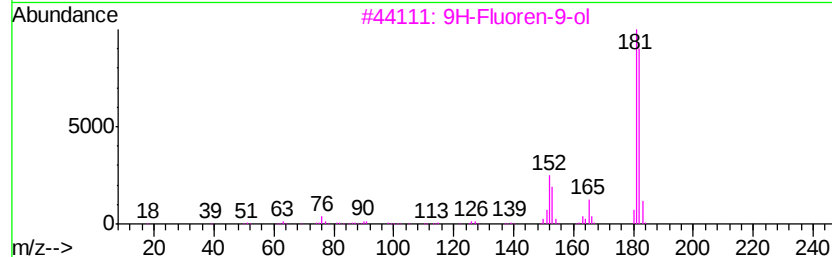
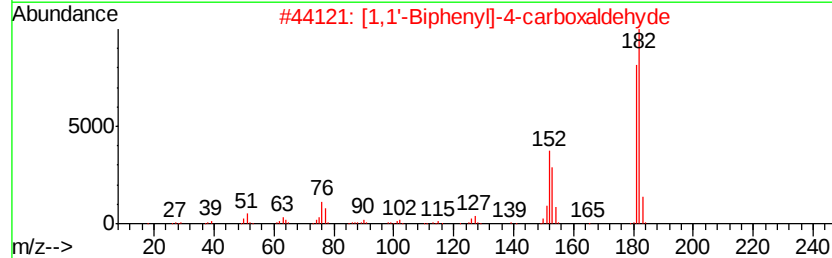
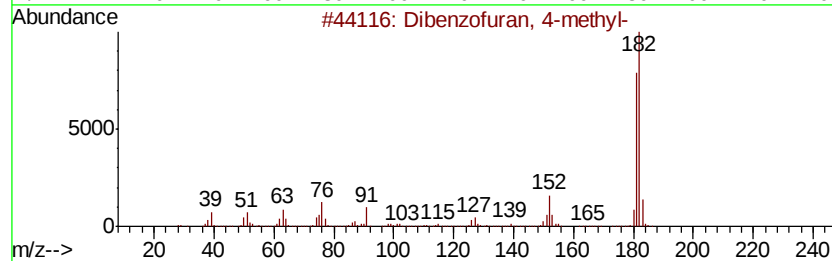
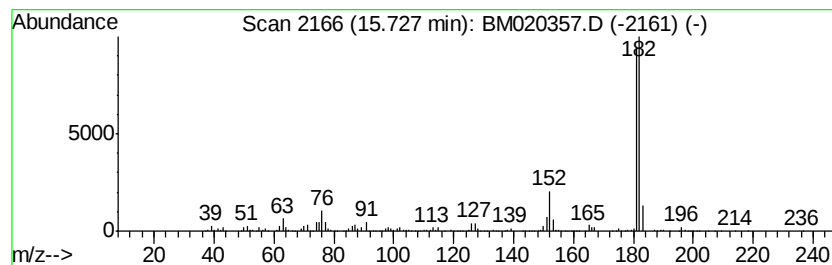
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Quant Title : SVOA CALIBRATION

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

Peak Number 21 Dibenzofuran, 4-methyl- Concentration Rank 41

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.73	17.63 ng/ul	1655930	Acenaphthene-d10	14.39

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Dibenzofuran, 4-methyl-	182	C13H10O	007320-53-8	91
2		[1,1'-Biphenyl]-4-carboxaldehyde	182	C13H10O	003218-36-8	83
3		9H-Fluoren-9-ol	182	C13H10O	001689-64-1	78
4		2,4,6-Cycloheptatrien-1-one, 2-p...	182	C13H10O	014562-09-5	78
5		3-(2-Naphthyl)acrylaldehyde	182	C13H10O	020884-05-3	72



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM051719\
Data File : BM020357.D
Acq On : 17 May 2019 10:21
Operator : JU/SJ
Sample : K2604-01ME
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
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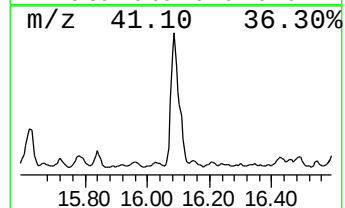
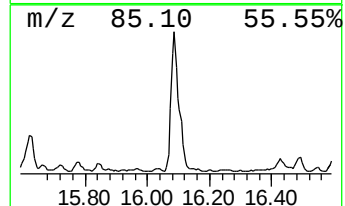
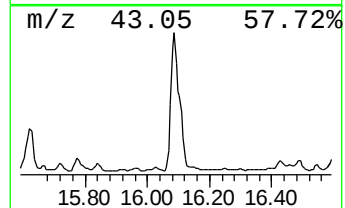
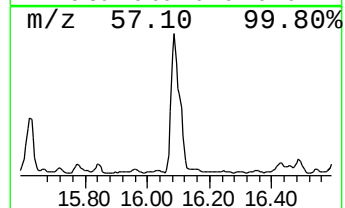
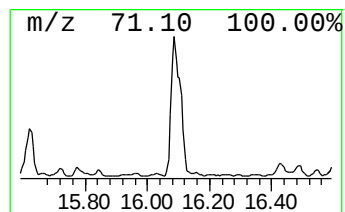
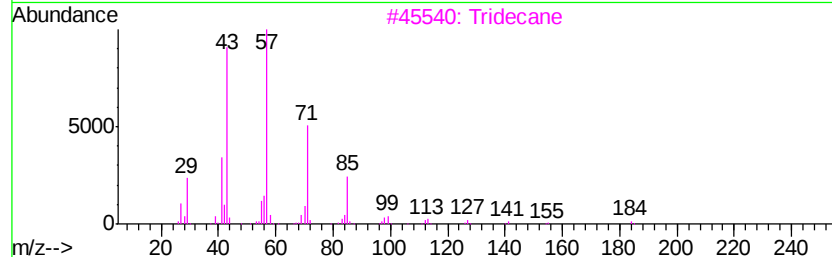
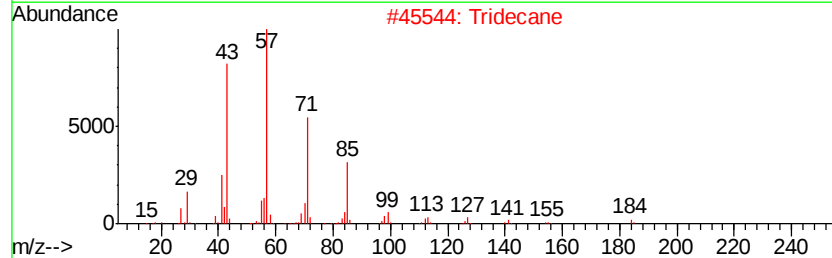
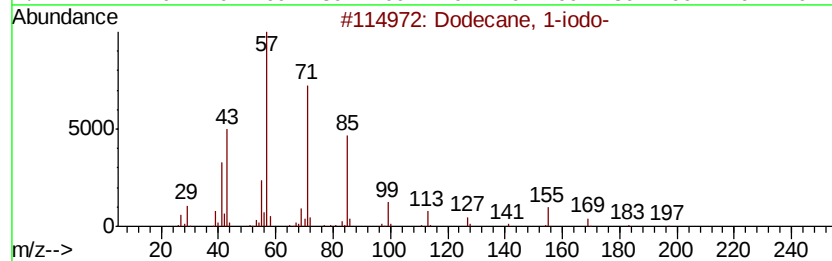
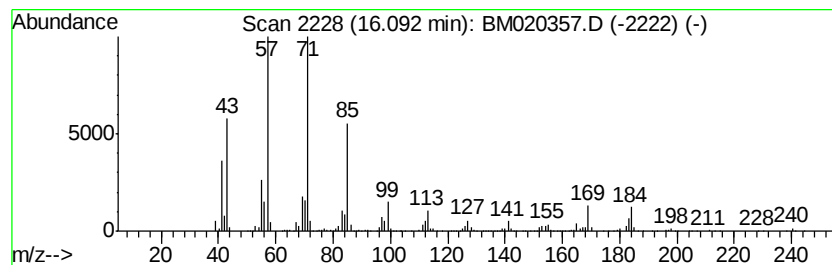
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Quant Title : SVOA CALIBRATION

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

Peak Number 24 Dodecane, 1-iodo- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.09	93.41 ng/ul	2957440	Phenanthrene-d10	17.14

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Dodecane, 1-iodo-	296	C12H25I	004292-19-7	91
2		Tridecane	184	C13H28	000629-50-5	87
3		Tridecane	184	C13H28	000629-50-5	83
4		Hexadecane	226	C16H34	000544-76-3	80
5		Heptacosane	380	C27H56	000593-49-7	72



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM051719\
Data File : BM020357.D
Acq On : 17 May 2019 10:21
Operator : JU/SJ
Sample : K2604-01ME
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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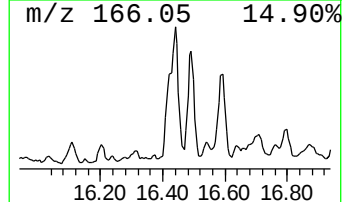
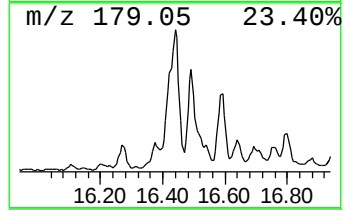
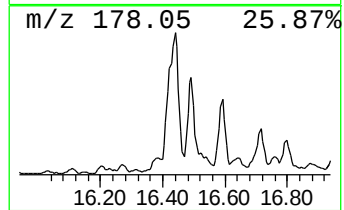
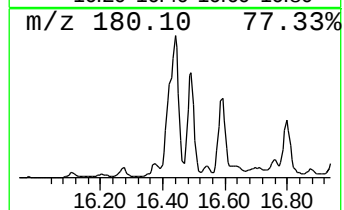
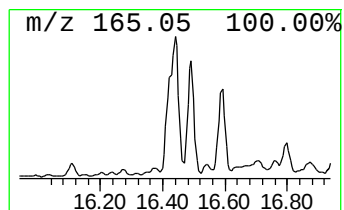
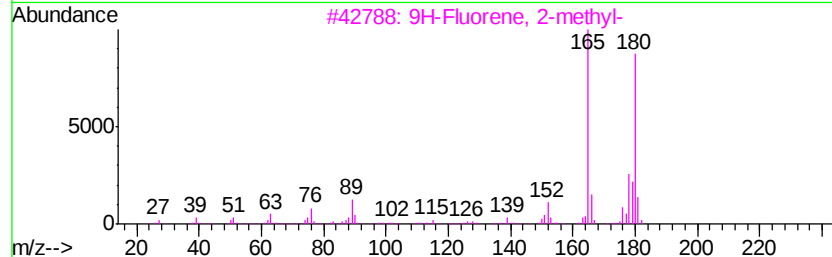
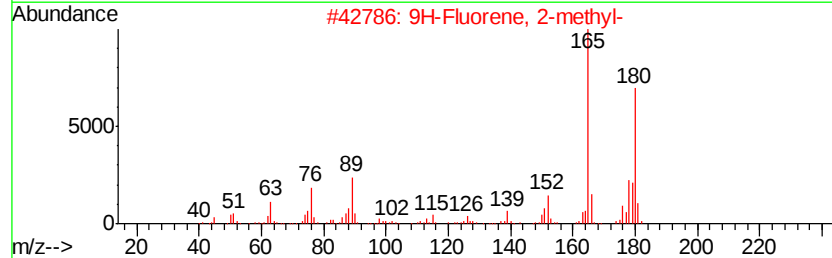
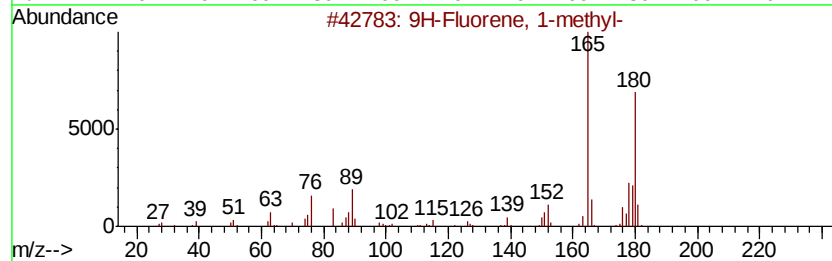
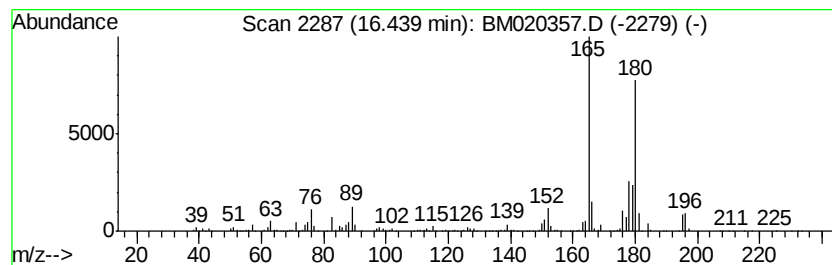
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Quant Title : SVOA CALIBRATION

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

Peak Number 25 9H-Fluorene, 1-methyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.44	79.42 ng/ul	2514530	Phenanthrene-d10	17.14

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	96
2		9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	96
3		9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	96
4		9H-Fluorene, 3-methyl-	180	C14H12	002523-39-9	93
5		4a,9a-Methano-9H-fluorene	180	C14H12	019540-84-2	93



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM051719\
Data File : BM020357.D
Acq On : 17 May 2019 10:21
Operator : JU/SJ
Sample : K2604-01ME
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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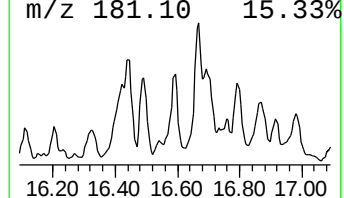
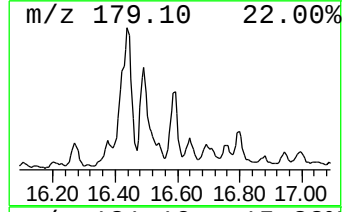
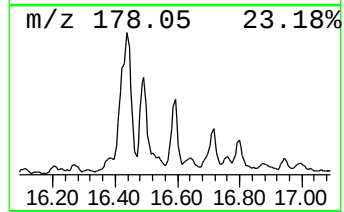
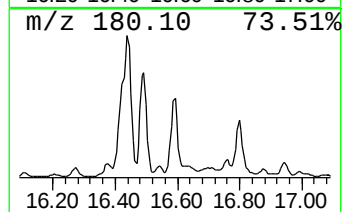
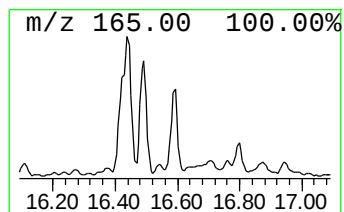
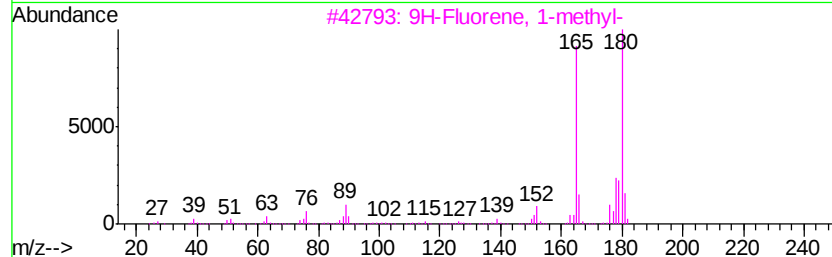
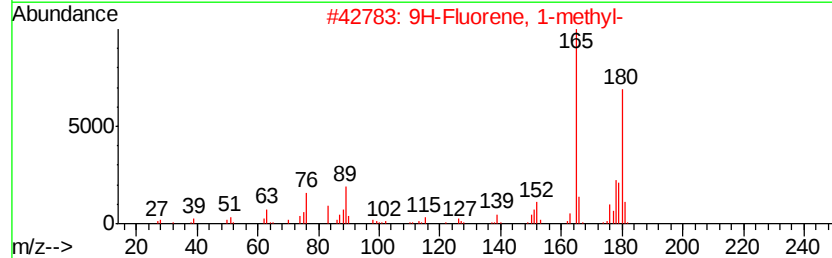
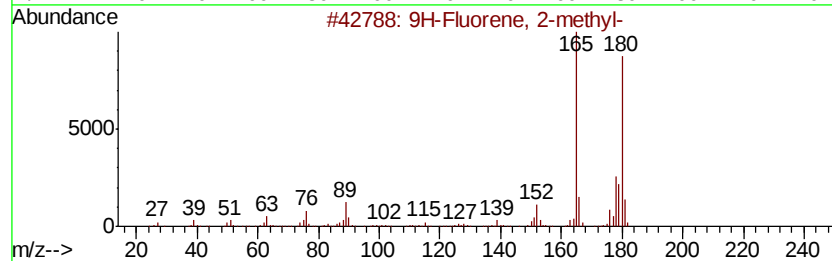
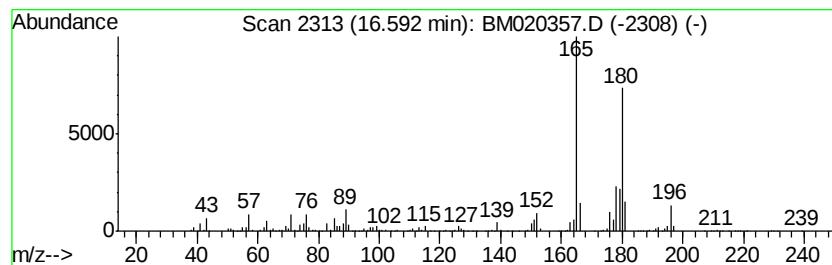
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Quant Title : SVOA CALIBRATION

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

Peak Number 27 9H-Fluorene, 2-methyl- Concentration Rank 25

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.59	31.45 ng/ul	995841	Phenanthrene-d10	17.14

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	97
2		9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	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, 1-methyl-	180	C14H12	001730-37-6	95



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM051719\
Data File : BM020357.D
Acq On : 17 May 2019 10:21
Operator : JU/SJ
Sample : K2604-01ME
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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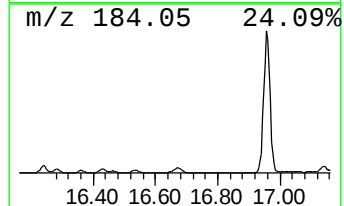
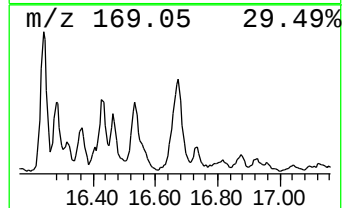
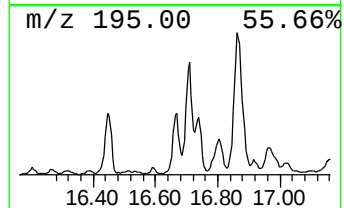
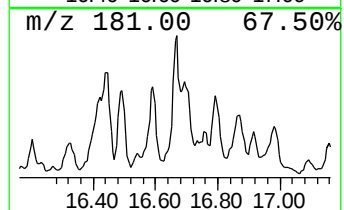
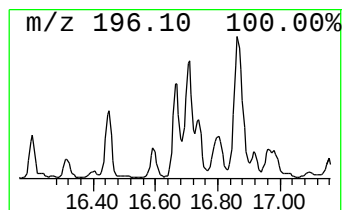
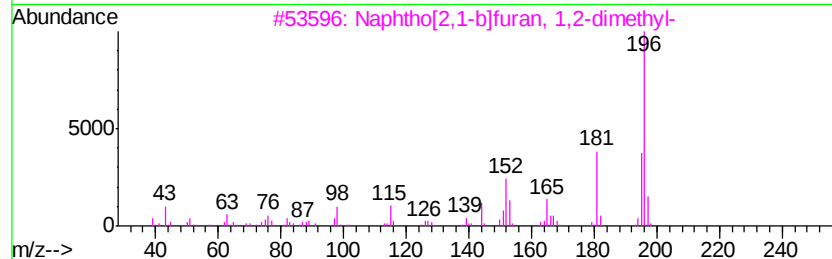
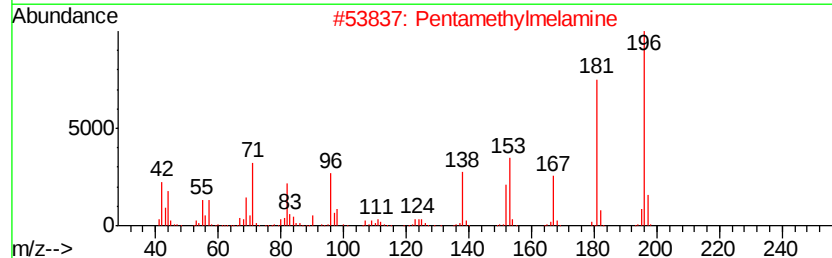
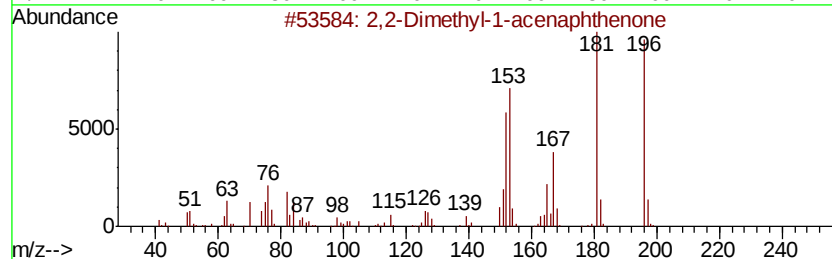
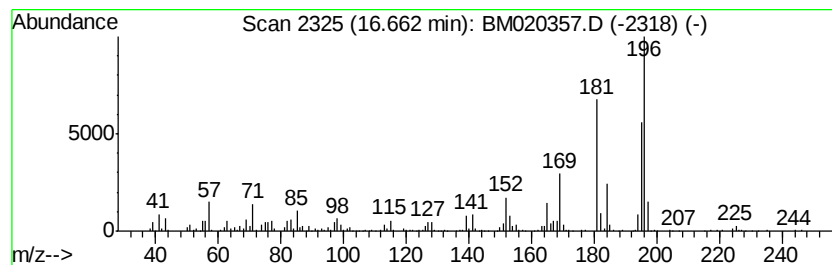
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Quant Title : SVOA CALIBRATION

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

Peak Number 28 2,2-Dimethyl-1-acenaphthenone Concentration Rank 32

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.66	23.09 ng/ul	730983	Phenanthrene-d10	17.14

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	2,2-Dimethyl-1-acenaphthenone	196	C14H12O	018086-43-6	60
2		Pentamethylmelamine	196	C8H16N6	035832-09-8	53
3		Naphtho[2,1-b]furan, 1,2-dimethyl-	196	C14H12O	129812-23-3	52
4		Benzene, 1,1'-methylenebis[4-met...	196	C15H16	004957-14-6	49
5		Ethanone, 1-(4-hydroxy-3,5-dimet...	196	C10H12O4	002478-38-8	47



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM051719\
Data File : BM020357.D
Acq On : 17 May 2019 10:21
Operator : JU/SJ
Sample : K2604-01ME
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
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ClientSampleId :
GAJ75ME

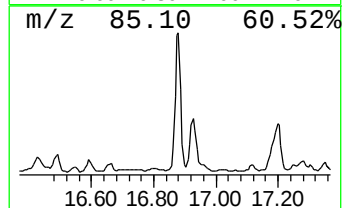
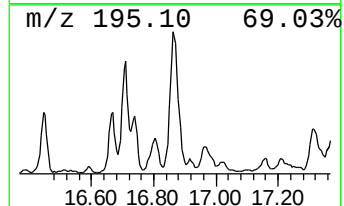
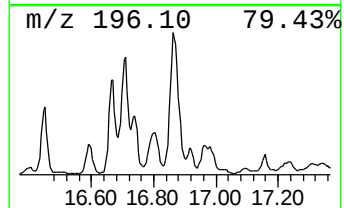
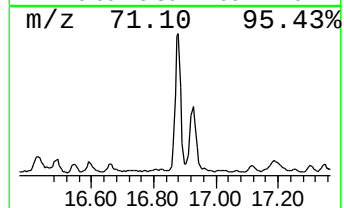
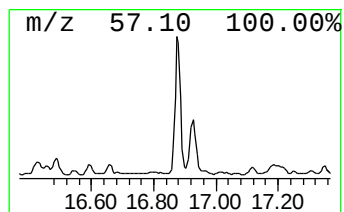
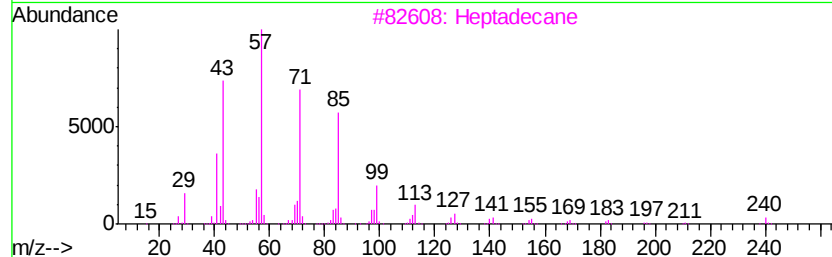
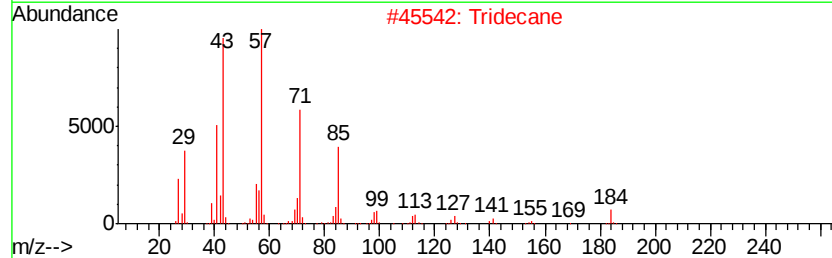
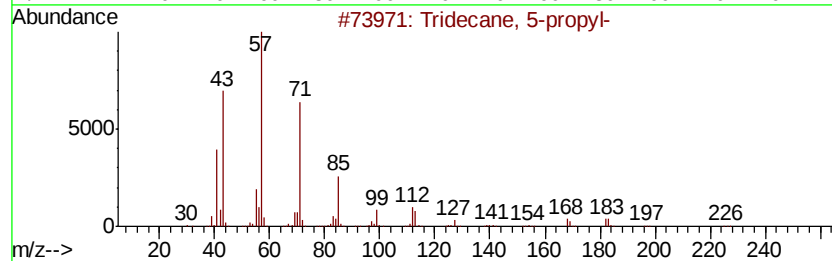
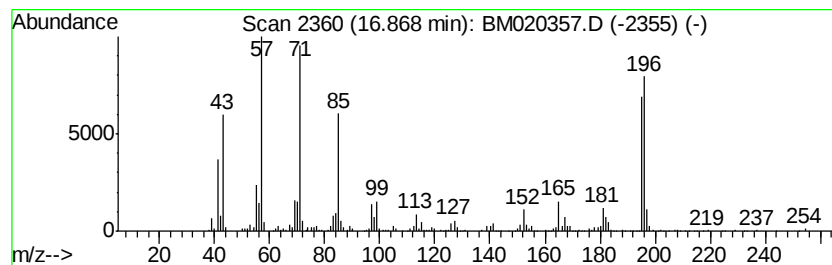
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Quant Title : SVOA CALIBRATION

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

Peak Number 30 (DEL) Alkane: Straight-Chai... Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.87	60.24 ng/ul	1907130	Phenanthrene-d10	17.14

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Tridecane, 5-propyl-	226	C16H34	055045-11-9	53
2		Tridecane	184	C13H28	000629-50-5	52
3		Heptadecane	240	C17H36	000629-78-7	49
4		Eicosane	282	C20H42	000112-95-8	49
5		Tridecane, 4-methyl-	198	C14H30	026730-12-1	49



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM051719\
Data File : BM020357.D
Acq On : 17 May 2019 10:21
Operator : JU/SJ
Sample : K2604-01ME
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
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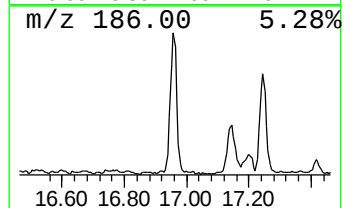
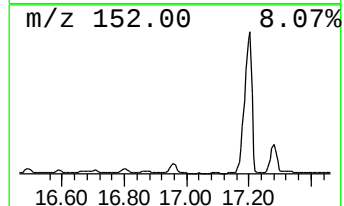
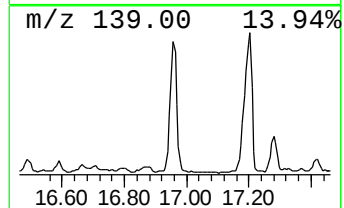
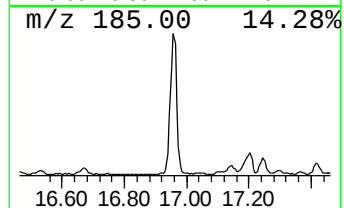
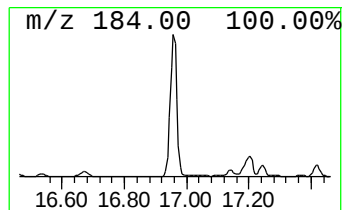
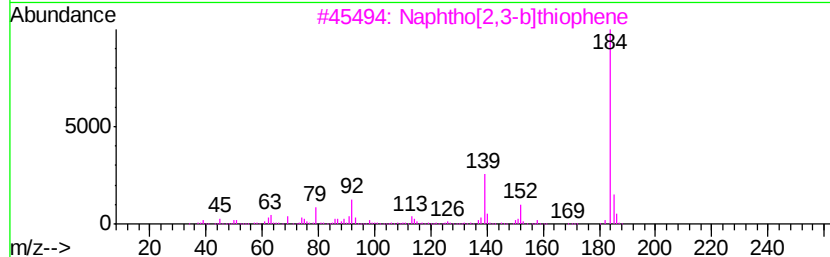
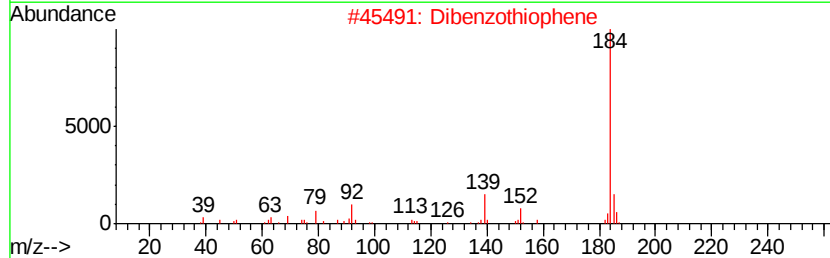
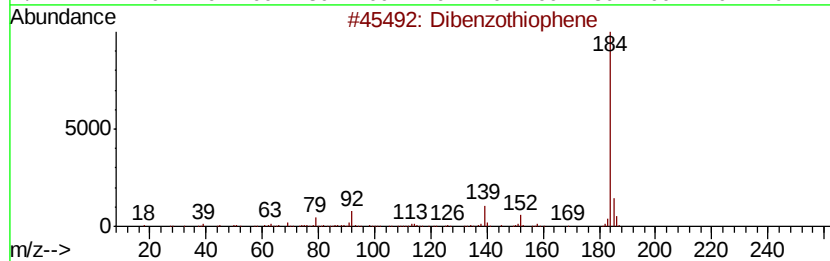
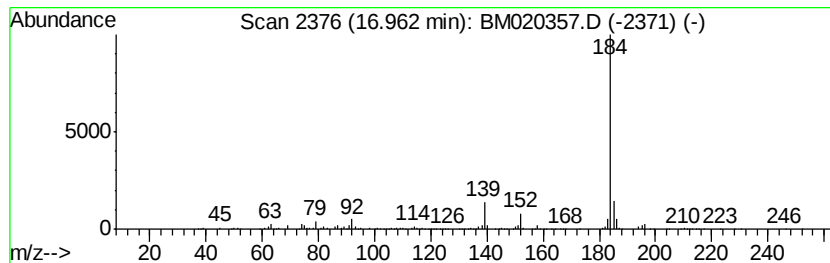
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Quant Title : SVOA CALIBRATION

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

Peak Number 31 Dibenzothiophene Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.96	72.06 ng/ul	2281350	Phenanthrene-d10	17.14

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Dibenzothiophene	184	C12H8S	000132-65-0	96
2		Dibenzothiophene	184	C12H8S	000132-65-0	94
3		Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	93
4		Dibenzothiophene	184	C12H8S	000132-65-0	93
5		Dibenzothiophene	184	C12H8S	000132-65-0	91



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM051719\
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 Acq On : 17 May 2019 10:21
 Operator : JU/SJ
 Sample : K2604-01ME
 Misc :
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Instrument :
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 ClientSampleId :
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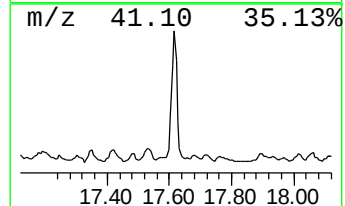
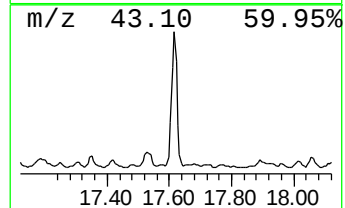
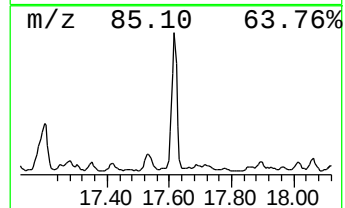
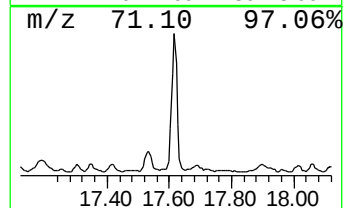
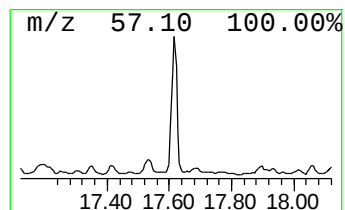
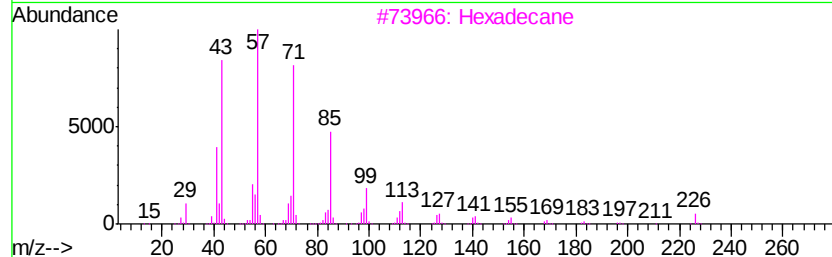
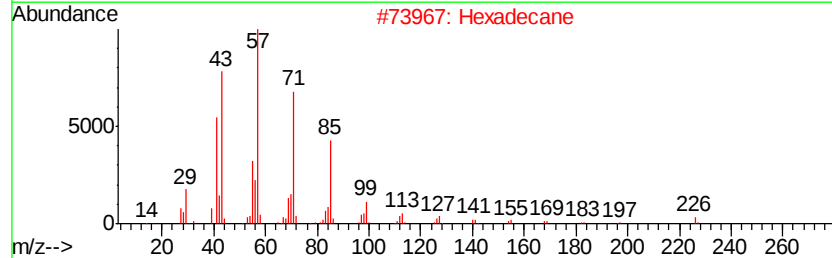
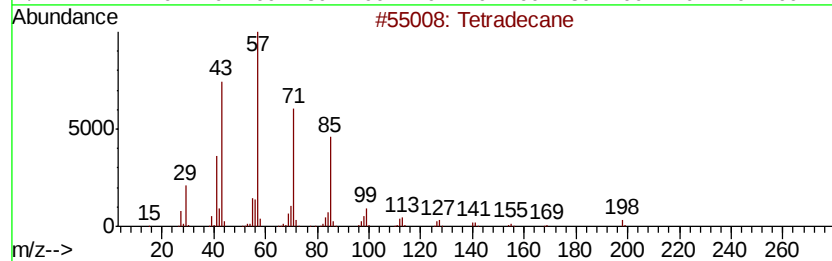
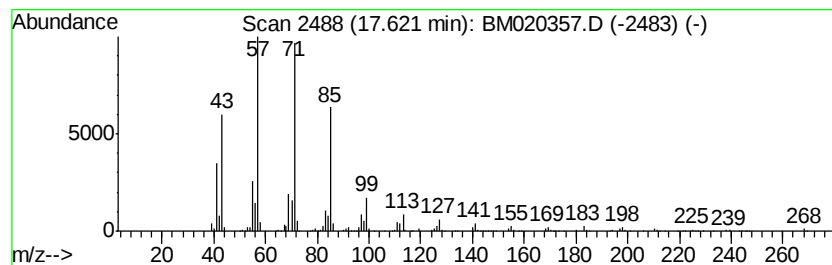
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 Quant Title : SVOA CALIBRATION

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

 Peak Number 32 (DEL) Alkane: Straight-Chai... Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.62	40.98 ng/ul	1297590	Phenanthrene-d10	17.14

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Tetradecane	198	C14H30	000629-59-4	90
2		Hexadecane	226	C16H34	000544-76-3	87
3		Hexadecane	226	C16H34	000544-76-3	86
4		Dodecane, 1-iodo-	296	C12H25I	004292-19-7	86
5		Dodecane, 4-methyl-	184	C13H28	006117-97-1	86



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM051719\
Data File : BM020357.D
Acq On : 17 May 2019 10:21
Operator : JU/SJ
Sample : K2604-01ME
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
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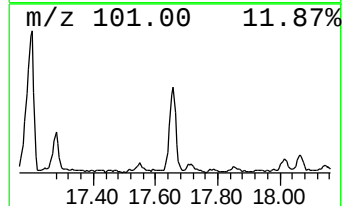
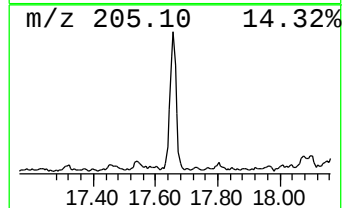
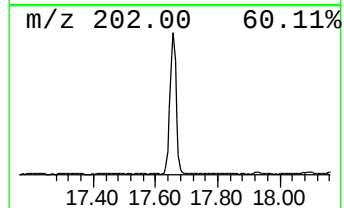
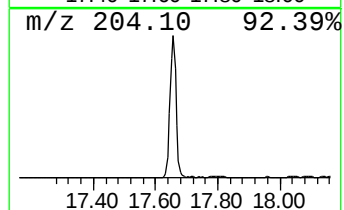
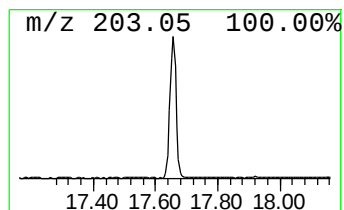
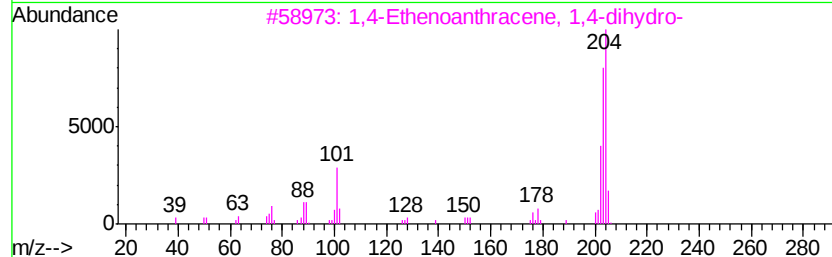
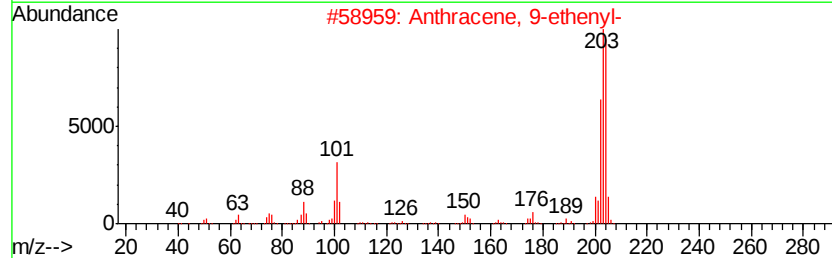
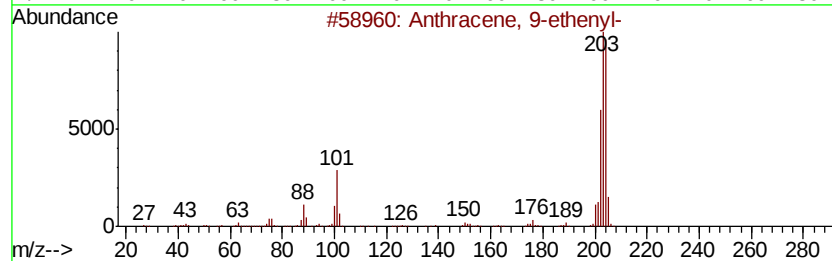
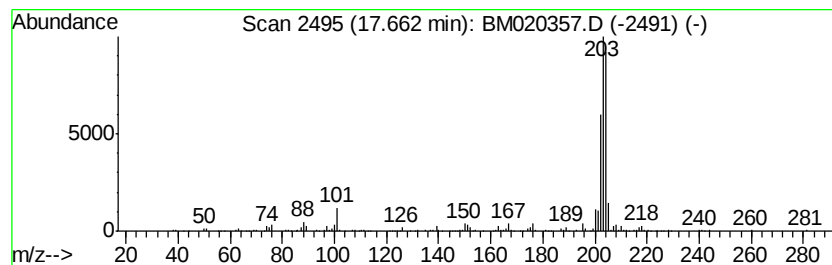
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Quant Title : SVOA CALIBRATION

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

Peak Number 33 Anthracene, 9-ethenyl- Concentration Rank 34

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.66	20.16 ng/ul	638294	Phenanthrene-d10	17.14

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Anthracene, 9-ethenyl-	204	C16H12	002444-68-0	89
2		Anthracene, 9-ethenyl-	204	C16H12	002444-68-0	89
3		1,4-Ethenoanthracene, 1,4-dihydro-	204	C16H12	027765-96-4	76
4		1H-Indene, 1-(phenylmethylene)-	204	C16H12	005394-86-5	76
5		Cyclobuta[1'',2'':3,4;3'',4'':3'...	204	C16H12	006574-36-3	76



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM051719\
Data File : BM020357.D
Acq On : 17 May 2019 10:21
Operator : JU/SJ
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Misc :
ALS Vial : 4 Sample Multiplier: 1

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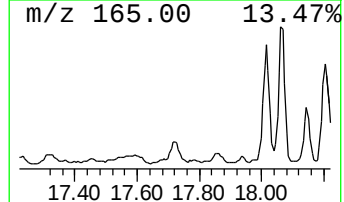
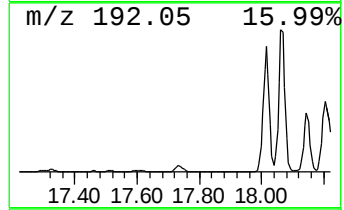
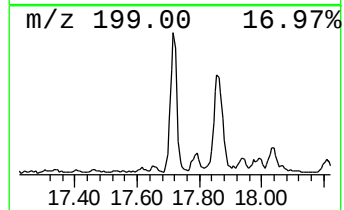
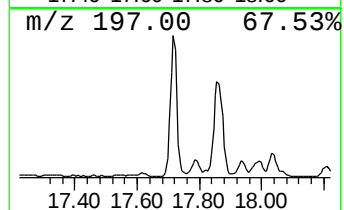
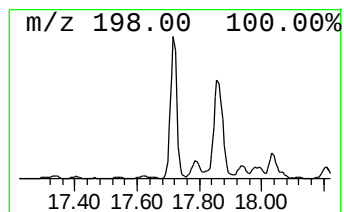
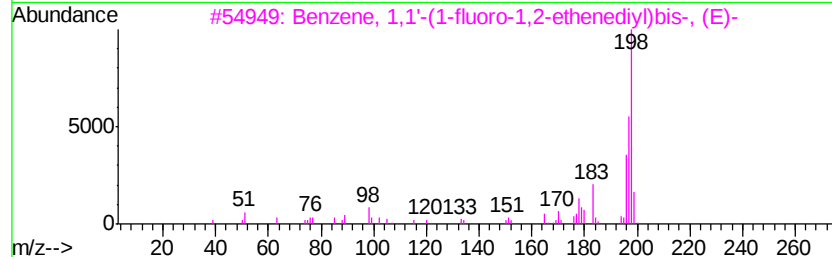
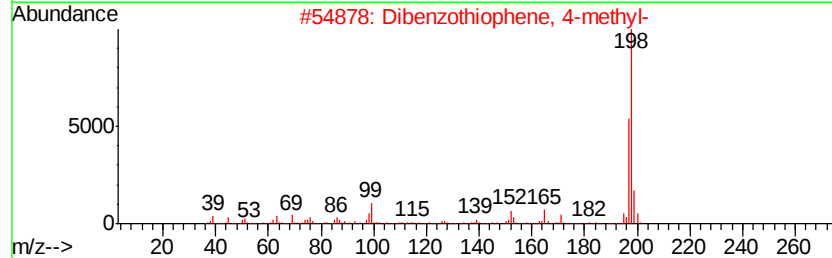
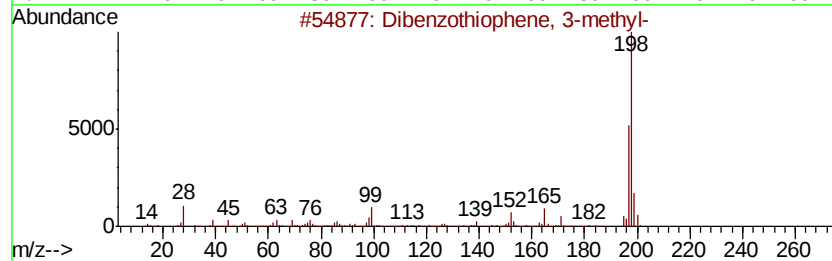
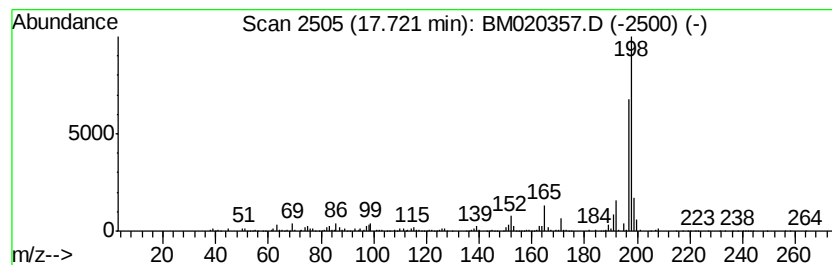
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Quant Title : SVOA CALIBRATION

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

Peak Number 34 Dibenzothiophene, 3-methyl- Concentration Rank 24

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.72	31.90 ng/ul	1010040	Phenanthrene-d10	17.14

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Dibenzothiophene, 3-methyl-	198	C13H10S	016587-52-3	93
2			Dibenzothiophene, 4-methyl-	198	C13H10S	007372-88-5	93
3			Benzene, 1,1'-(1-fluoro-1,2-ethe...	198	C14H11F	000671-19-2	72
4			9H-Pyrido[3,4-b]indole, 8-hydrox...	198	C12H10N2O	1000248-36-3	58
5			Thioxanthene	198	C13H10S	000261-31-4	53



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM051719\
Data File : BM020357.D
Acq On : 17 May 2019 10:21
Operator : JU/SJ
Sample : K2604-01ME
Misc :
ALS Vial : 4 Sample Multiplier: 1

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ClientSampleId :
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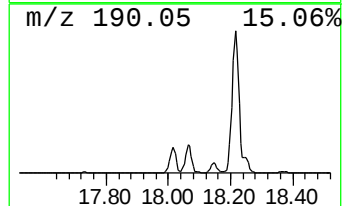
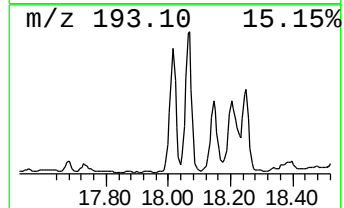
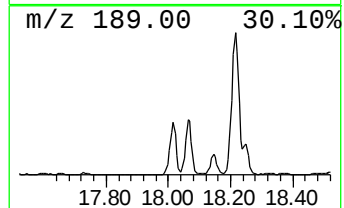
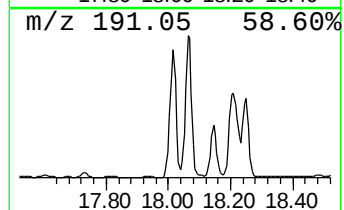
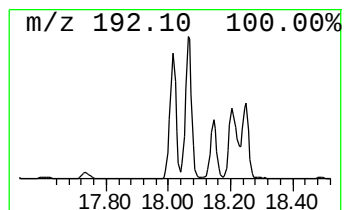
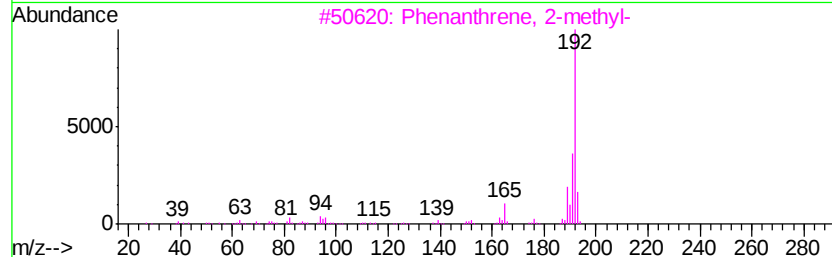
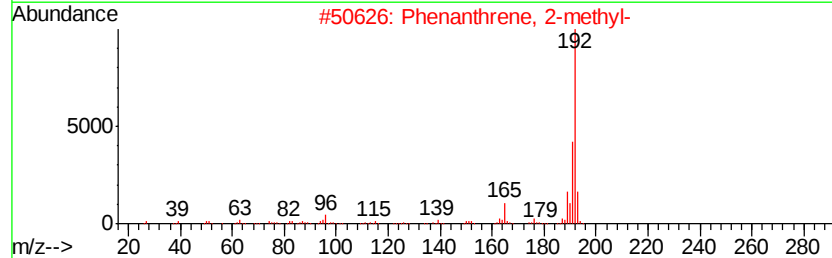
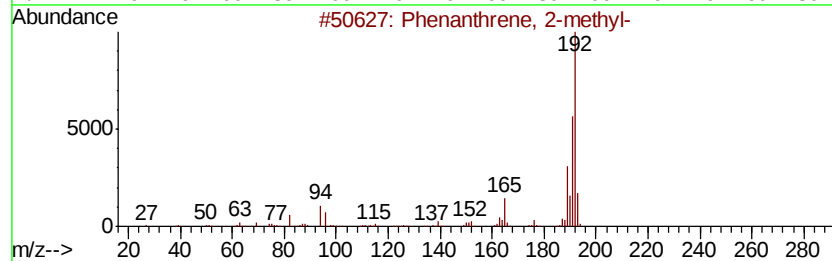
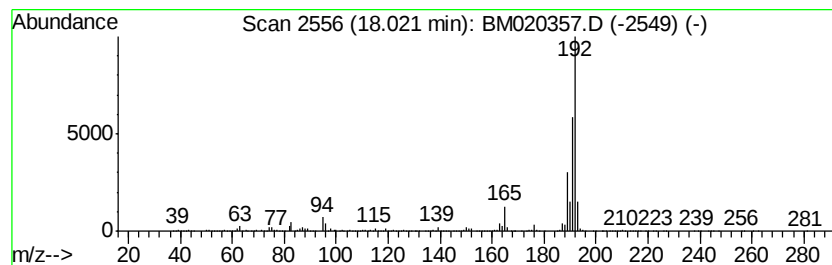
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Quant Title : SVOA CALIBRATION

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

Peak Number 36 Phenanthrene, 2-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.02	141.93 ng/ul	4493620	Phenanthrene-d10	17.14

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
2		Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
3		Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
4		Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
5		Anthracene, 9-methyl-	192	C15H12	000779-02-2	95



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM051719\
Data File : BM020357.D
Acq On : 17 May 2019 10:21
Operator : JU/SJ
Sample : K2604-01ME
Misc :
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Instrument :
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ClientSampleId :
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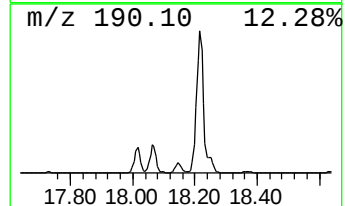
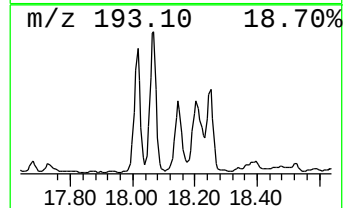
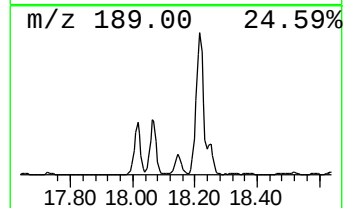
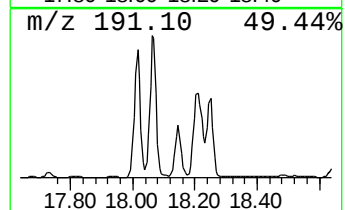
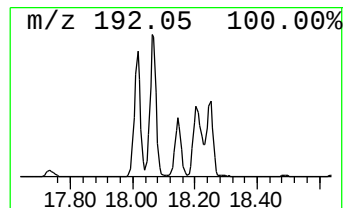
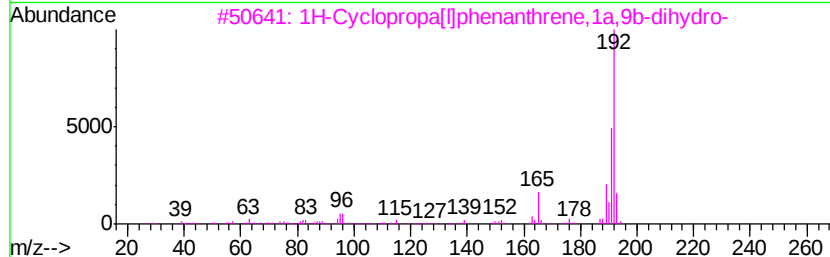
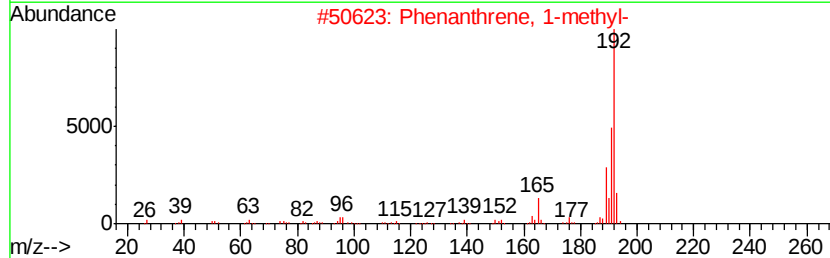
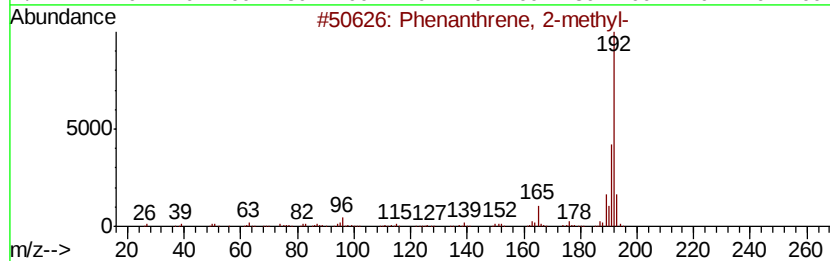
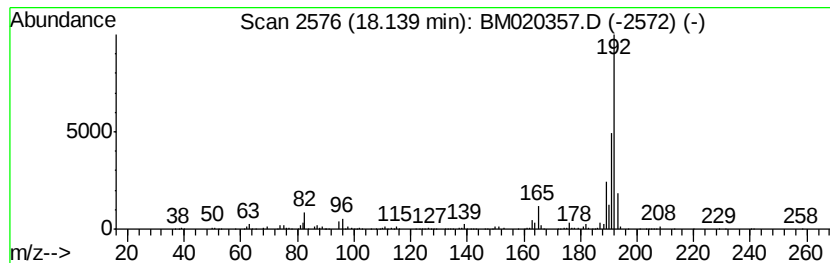
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Quant Title : SVOA CALIBRATION

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

Peak Number 38 Phenanthrene, 1-methyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.14	63.84 ng/ul	2021350	Phenanthrene-d10	17.14

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
2		Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
3		1H-Cyclopropa[1]phenanthrene,1a,...	192	C15H12	000949-41-7	96
4		Anthracene, 2-methyl-	192	C15H12	000613-12-7	94
5		Anthracene, 2-methyl-	192	C15H12	000613-12-7	93



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM051719\
Data File : BM020357.D
Acq On : 17 May 2019 10:21
Operator : JU/SJ
Sample : K2604-01ME
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
GAJ75ME

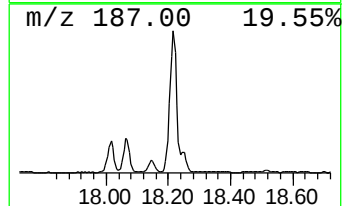
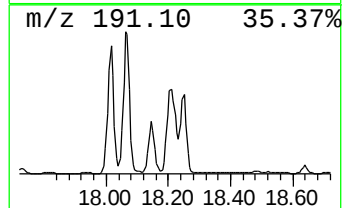
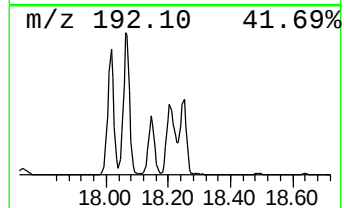
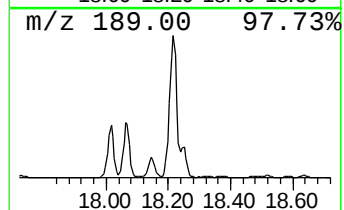
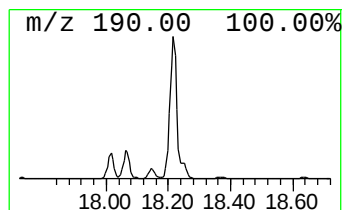
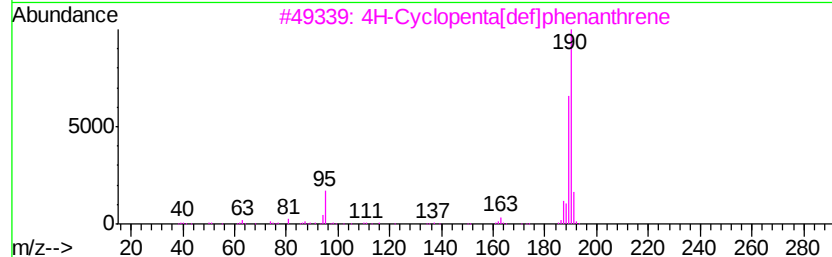
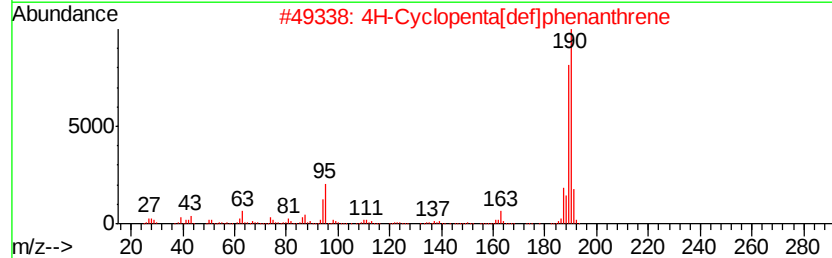
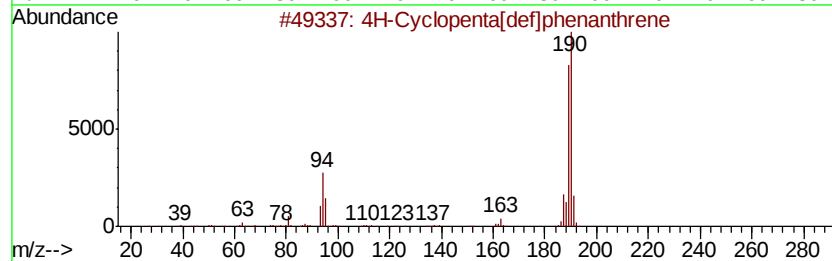
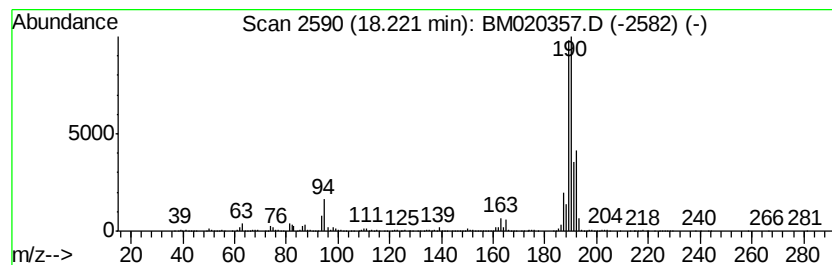
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Quant Title : SVOA CALIBRATION

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

Peak Number 39 4H-Cyclopenta[def]phenanthrene Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.22	220.18 ng/ul	6971090	Phenanthrene-d10	17.14

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	76
2		4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	53
3		4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	52
4		6H-Cyclobuta[flk]phenanthrene	190	C15H10	083469-43-6	42
5		2,2'-Bis(4,5-dimethylimidazole)	190	C10H14N4	069286-06-2	40



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM051719\
Data File : BM020357.D
Acq On : 17 May 2019 10:21
Operator : JU/SJ
Sample : K2604-01ME
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
GAJ75ME

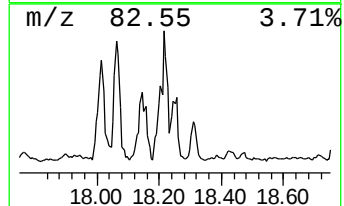
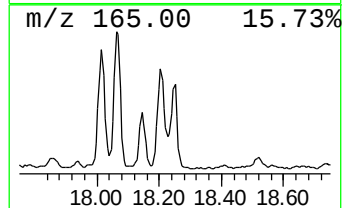
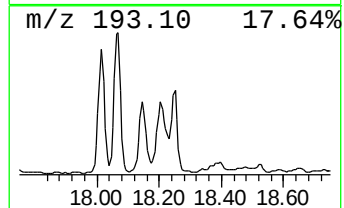
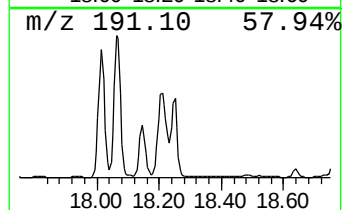
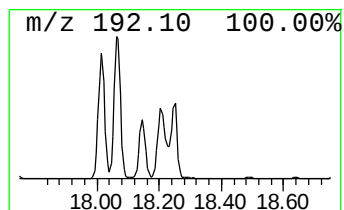
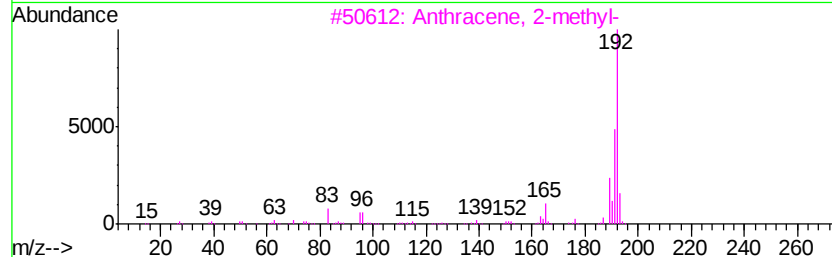
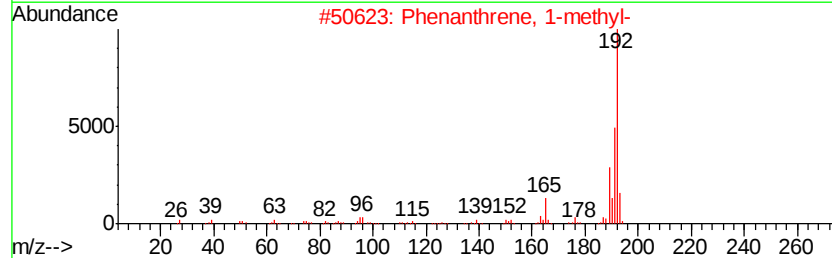
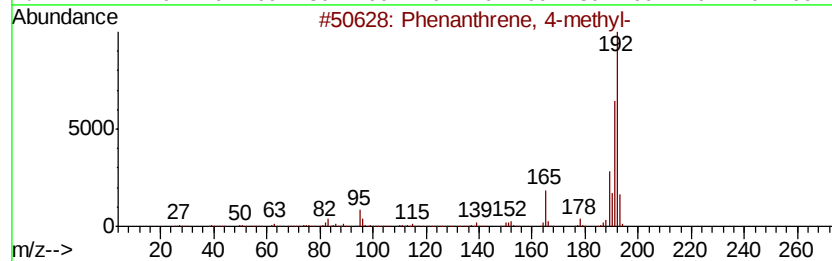
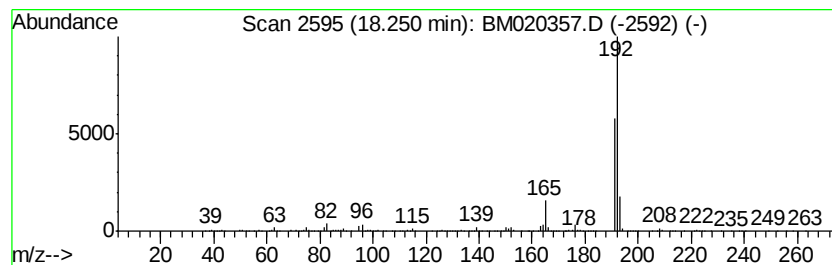
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Quant Title : SVOA CALIBRATION

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

Peak Number 40 Phenanthrene, 4-methyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.25	79.63 ng/ul	2521090	Phenanthrene-d10	17.14

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	93
2		Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	93
3		Anthracene, 2-methyl-	192	C15H12	000613-12-7	90
4		Anthracene, 1-methyl-	192	C15H12	000610-48-0	90
5		Phenanthrene, 9-methyl-	192	C15H12	000883-20-5	90



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM051719\
Data File : BM020357.D
Acq On : 17 May 2019 10:21
Operator : JU/SJ
Sample : K2604-01ME
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
GAJ75ME

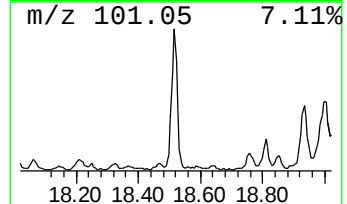
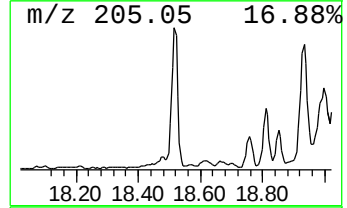
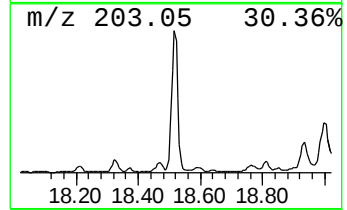
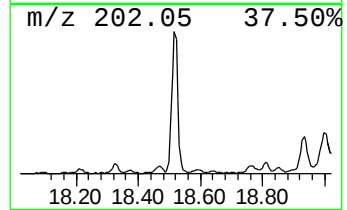
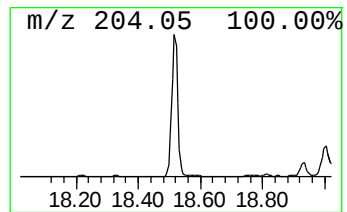
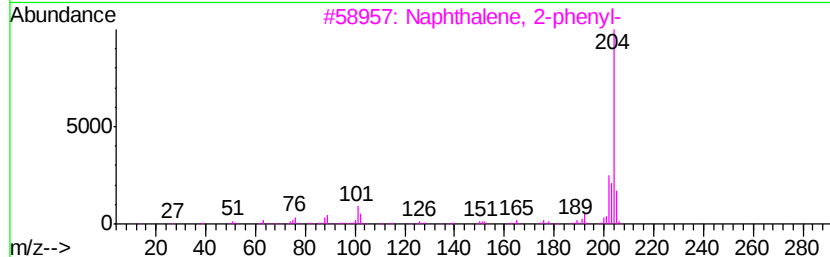
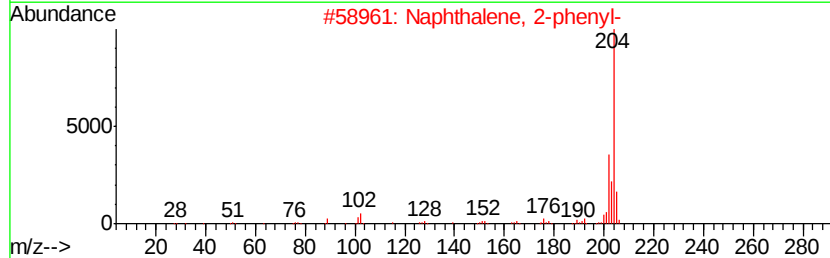
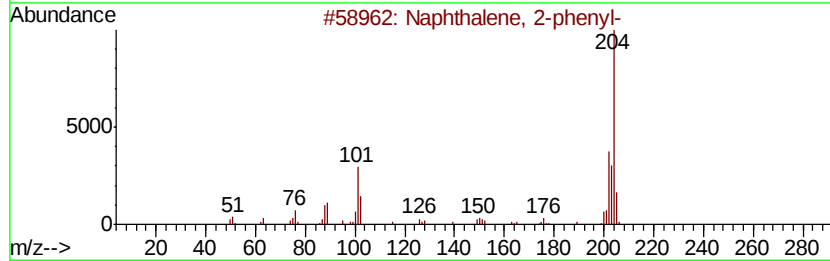
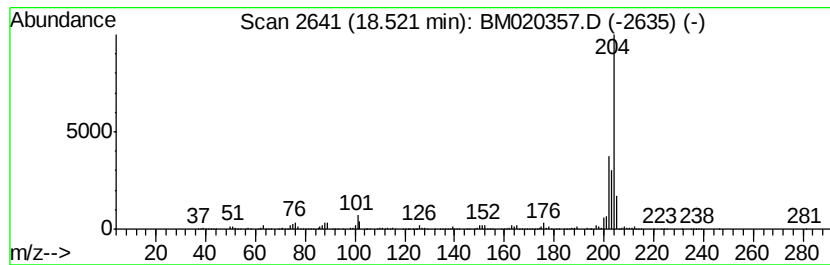
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Quant Title : SVOA CALIBRATION

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

Peak Number 42 Naphthalene, 2-phenyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.52	69.86 ng/ul	2211960	Phenanthrene-d10	17.14

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	81
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	59
5			Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	58



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM051719\
Data File : BM020357.D
Acq On : 17 May 2019 10:21
Operator : JU/SJ
Sample : K2604-01ME
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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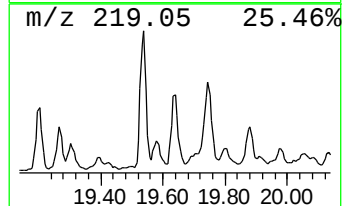
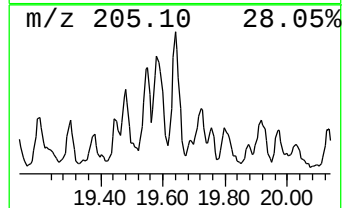
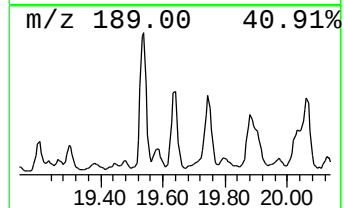
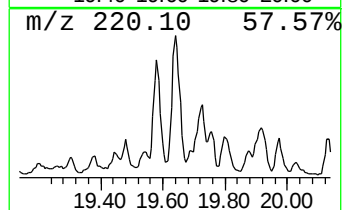
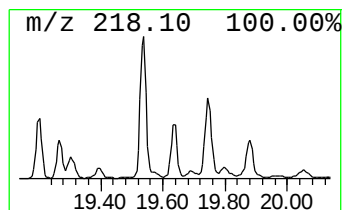
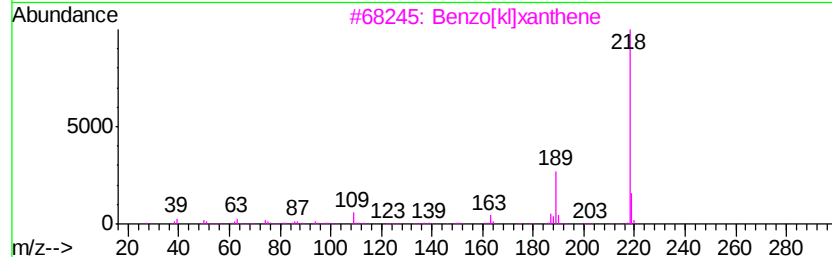
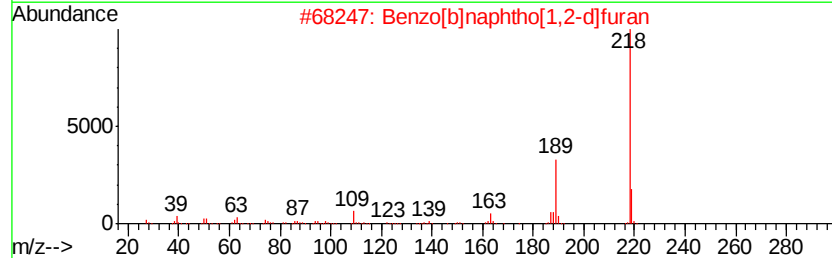
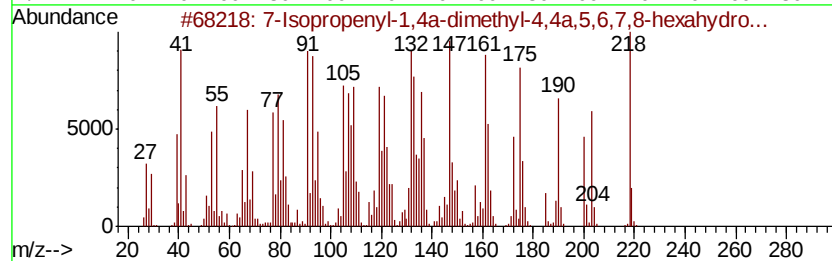
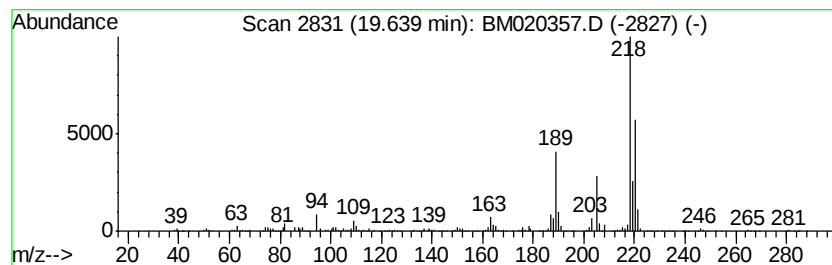
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Quant Title : SVOA CALIBRATION

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

Peak Number 48 7-Isopropenyl-1,4a-dimethyl... Concentration Rank 61

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.64	2.21 ng/ul	938381	Chrysene-d12	21.34

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	7-Isopropenyl-1,4a-dimethyl-4,4a...	218	C15H22O	000473-08-5	70
2		Benzo[b]naphtho[1,2-d]furan	218	C16H10O	000239-30-5	64
3		Benzo[k]lxxanthene	218	C16H10O	000200-23-7	60
4		Benzo[b]naphtho[2,3-d]furan	218	C16H10O	000243-42-5	55
5		Indeno[2,1-b]chromene,	218	C16H10O	000243-24-3	53



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM051719\
Data File : BM020357.D
Acq On : 17 May 2019 10:21
Operator : JU/SJ
Sample : K2604-01ME
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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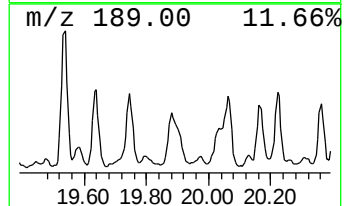
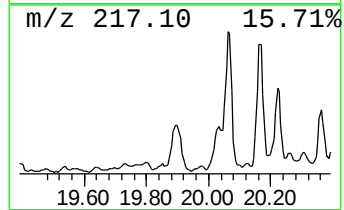
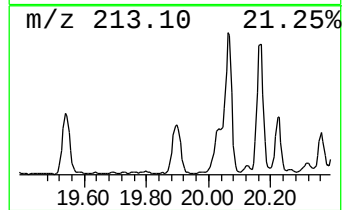
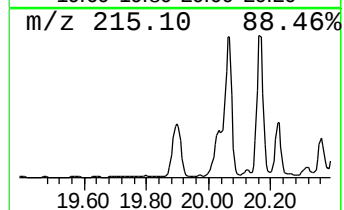
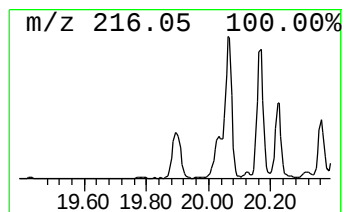
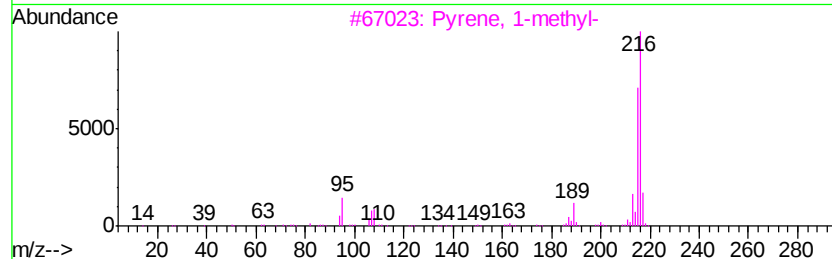
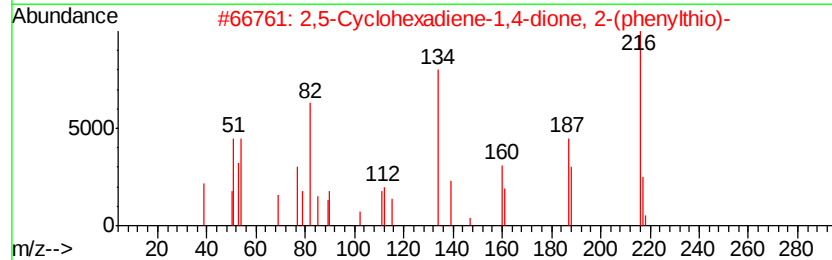
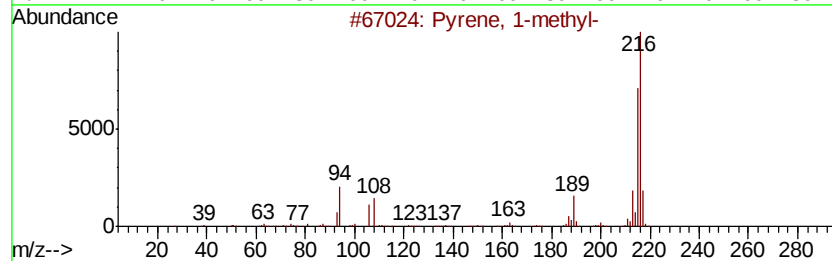
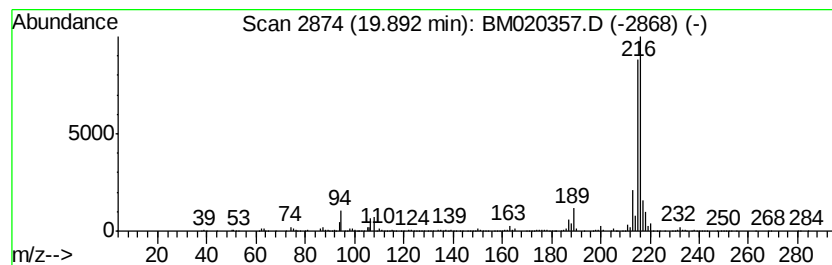
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Quant Title : SVOA CALIBRATION

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

Peak Number 49 Pyrene, 1-methyl- Concentration Rank 55

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.89	4.55 ng/ul	1933500	Chrysene-d12	21.34

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Pyrene, 1-methyl-	216	C17H12	002381-21-7	94
2		2,5-Cyclohexadiene-1,4-dione, 2-...	216	C12H8O2S	018232-03-6	94
3		Pyrene, 1-methyl-	216	C17H12	002381-21-7	92
4		Pyrene, 2-methyl-	216	C17H12	003442-78-2	92
5		11H-Benzo[b]fluorene	216	C17H12	000243-17-4	87



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM051719\
Data File : BM020357.D
Acq On : 17 May 2019 10:21
Operator : JU/SJ
Sample : K2604-01ME
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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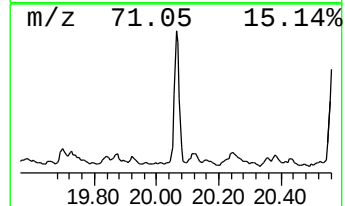
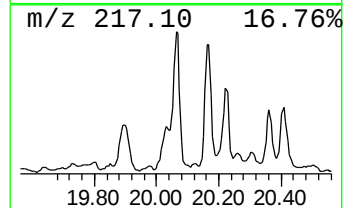
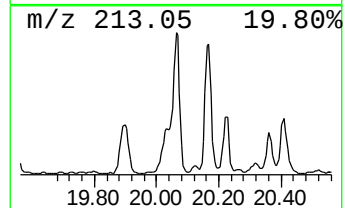
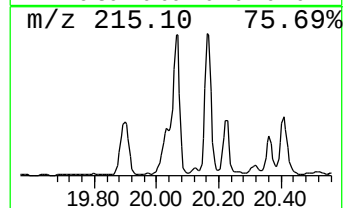
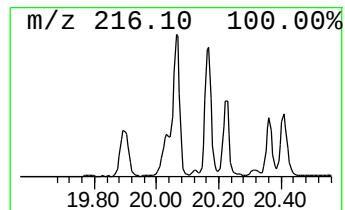
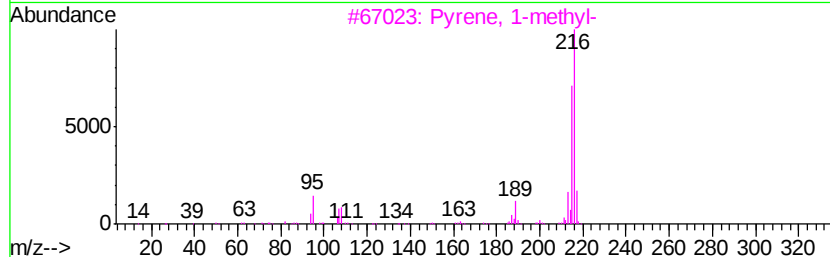
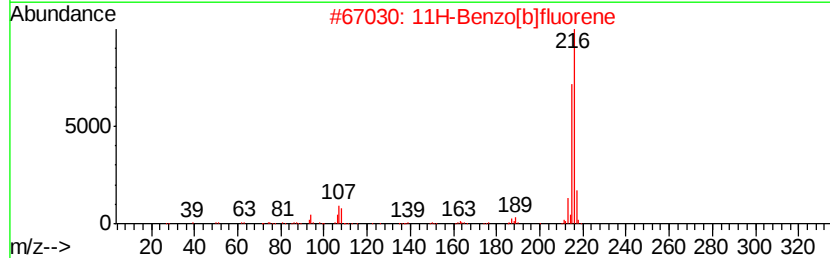
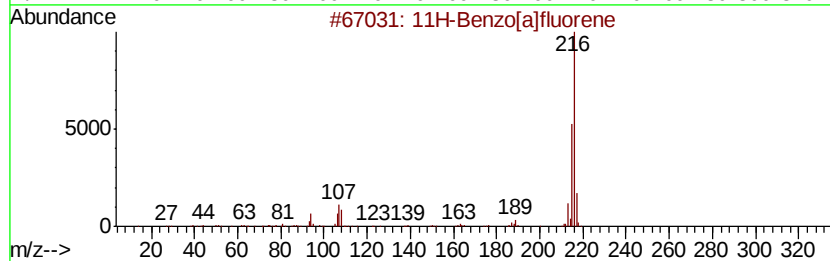
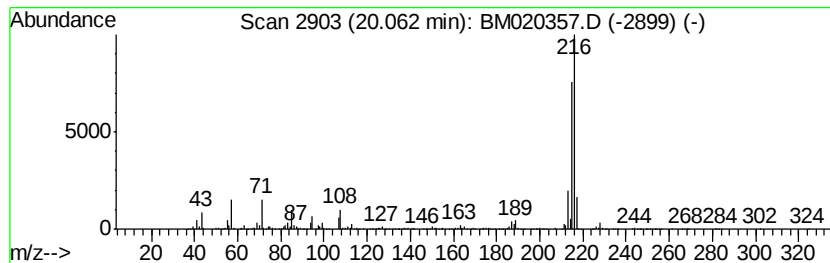
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Quant Title : SVOA CALIBRATION

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

Peak Number 51 11H-Benzo[a]fluorene Concentration Rank 50

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.06	9.07 ng/ul	3849400	Chrysene-d12	21.34

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	93
2		11H-Benzo[b]fluorene	216	C17H12	000243-17-4	93
3		Pvrene, 1-methyl-	216	C17H12	002381-21-7	91
4		Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	91
5		Pyrene, 2-methyl-	216	C17H12	003442-78-2	90



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM051719\
Data File : BM020357.D
Acq On : 17 May 2019 10:21
Operator : JU/SJ
Sample : K2604-01ME
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
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ClientSampleId :
GAJ75ME

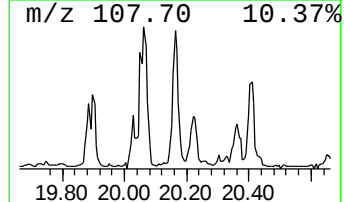
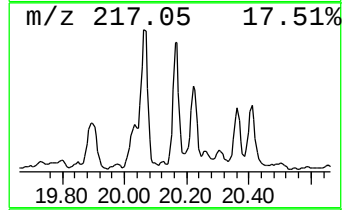
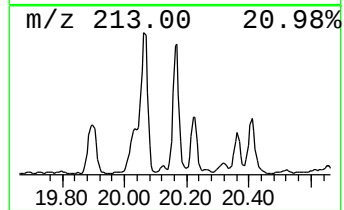
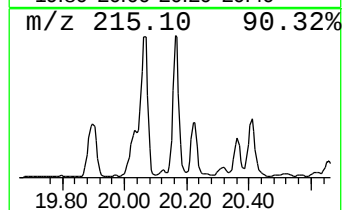
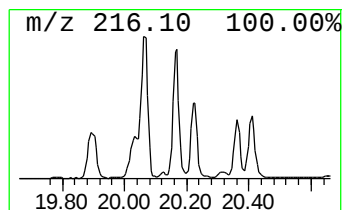
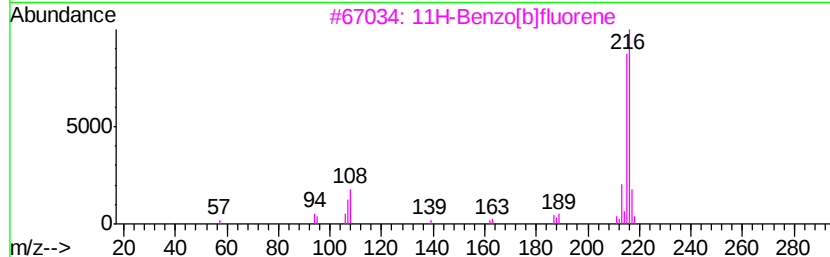
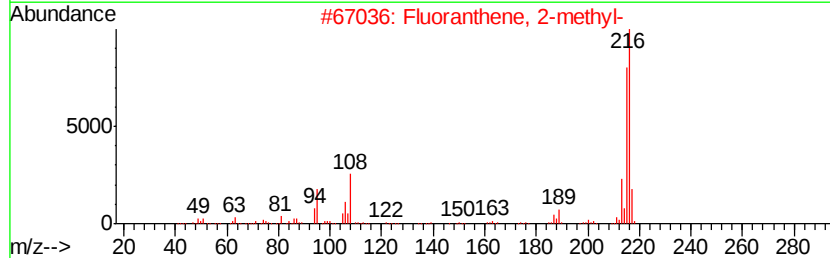
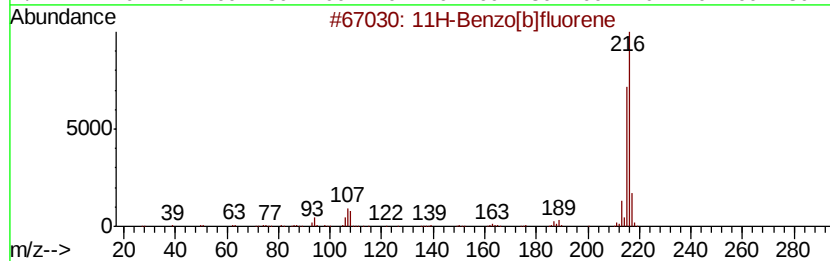
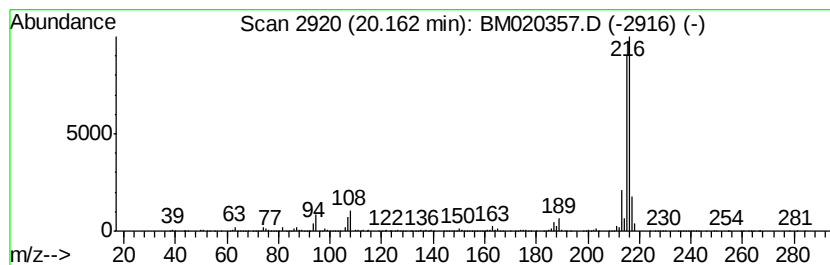
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Quant Title : SVOA CALIBRATION

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

Peak Number 52 11H-Benzo[b]fluorene Concentration Rank 52

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.16	5.93 ng/ul	2515820	Chrysene-d12	21.34

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	93
2		Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	91
3		11H-Benzo[b]fluorene	216	C17H12	000243-17-4	91
4		11H-Benzo[a]fluorene	216	C17H12	000238-84-6	90
5		11H-Benzo[a]fluorene	216	C17H12	000238-84-6	90



Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM051719\
 Data File : BM020357.D
 Acq On : 17 May 2019 10:21
 Operator : JU/SJ
 Sample : K2604-01ME
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 GAJ75ME

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM051619MA.M
 Quant Title : SVOA CALIBRATION

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

TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--			
					#	RT	Resp	Conc
Benzene, 1,3,5-tr...	7.37	20.0	ng/ul	1250110	1	7.73	1250110	20.0
Benzene, 1-propynyl-	8.27	47.9	ng/ul	2995770	1	7.73	1250110	20.0
1H-Indene, 1-methyl-	9.95	40.9	ng/ul	1537040	2	10.53	752042	20.0
(DEL) Alkane: Str...	10.47	20.0	ng/ul	752042	2	10.53	752042	20.0
(DEL) Alkane: Str...	11.93	37.4	ng/ul	1405230	2	10.53	752042	20.0
Naphthalene, 1-me...	12.43	249.2	ng/ul	9370960	2	10.53	752042	20.0
Naphthalene, 1-et...	13.41	17.4	ng/ul	1634390	3	14.39	1878950	20.0
Naphthalene, 2,6-...	13.54	33.2	ng/ul	3122510	3	14.39	1878950	20.0
Naphthalene, 2,3-...	13.71	61.1	ng/ul	5736550	3	14.39	1878950	20.0
(DEL) Alkane: Str...	14.27	18.2	ng/ul	1705990	3	14.39	1878950	20.0
Naphthalene, 2,3,...	14.86	12.0	ng/ul	1127460	3	14.39	1878950	20.0
Naphthalene, 1,6,...	14.99	17.6	ng/ul	1648580	3	14.39	1878950	20.0
Naphthalene, 1,4,...	15.06	9.3	ng/ul	869874	3	14.39	1878950	20.0
Naphthalene, 1,4,...	15.17	13.4	ng/ul	1254280	3	14.39	1878950	20.0
(DEL) Alkane: Str...	15.22	20.2	ng/ul	1896440	3	14.39	1878950	20.0
(DEL) Alkane: Str...	15.60	6.3	ng/ul	587959	3	14.39	1878950	20.0
(DEL) Alkane: Str...	15.63	15.6	ng/ul	1463430	3	14.39	1878950	20.0
Dibenzofuran, 4-m...	15.73	17.6	ng/ul	1655930	3	14.39	1878950	20.0
Dodecane, 1-iodo-	16.09	93.4	ng/ul	2957440	4	17.14	633224	20.0
9H-Fluorene, 1-me...	16.44	79.4	ng/ul	2514530	4	17.14	633224	20.0
9H-Fluorene, 2-me...	16.59	31.4	ng/ul	995841	4	17.14	633224	20.0
2,2-Dimethyl-1-ac...	16.66	23.1	ng/ul	730983	4	17.14	633224	20.0
(DEL) Alkane: Str...	16.87	60.2	ng/ul	1907130	4	17.14	633224	20.0
Dibenzothiophene	16.96	72.1	ng/ul	2281350	4	17.14	633224	20.0
(DEL) Alkane: Str...	17.62	41.0	ng/ul	1297590	4	17.14	633224	20.0
Anthracene, 9-eth...	17.66	20.2	ng/ul	638294	4	17.14	633224	20.0
Dibenzothiophene,...	17.72	31.9	ng/ul	1010040	4	17.14	633224	20.0
Phenanthrene, 2-m...	18.02	141.9	ng/ul	4493620	4	17.14	633224	20.0
Phenanthrene, 1-m...	18.14	63.8	ng/ul	2021350	4	17.14	633224	20.0
4H-Cyclopenta[def...	18.22	220.2	ng/ul	6971090	4	17.14	633224	20.0
Phenanthrene, 4-m...	18.25	79.6	ng/ul	2521090	4	17.14	633224	20.0
Naphthalene, 2-ph...	18.52	69.9	ng/ul	2211960	4	17.14	633224	20.0
7-Isopropenyl-1,4...	19.64	2.2	ng/ul	938381	5	21.34	8490790	20.0
Pyrene, 1-methyl-	19.89	4.5	ng/ul	1933500	5	21.34	8490790	20.0
11H-Benzo[a]fluorene	20.06	9.1	ng/ul	3849400	5	21.34	8490790	20.0
11H-Benzo[b]fluorene	20.16	5.9	ng/ul	2515820	5	21.34	8490790	20.0