

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM051719\
 Data File : BM020358.D
 Acq On : 17 May 2019 10:57
 Operator : JU/SJ
 Sample : K2604-04ME
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 GAJ78ME

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	6.898	659	665	671	rBV	243512	420017	6.07%	0.370%
2	7.075	690	695	707	rVB	182228	312564	4.52%	0.275%
3	7.263	721	727	736	rBV	264973	428271	6.19%	0.377%
4	7.734	801	807	815	rBV	210901	347809	5.03%	0.306%
5	8.439	920	927	939	rBV	255617	451746	6.53%	0.398%
6	8.904	999	1006	1016	rBV	234759	451416	6.52%	0.398%
7	9.616	1120	1127	1136	rBV	183677	331766	4.79%	0.292%
8	10.145	1212	1217	1226	rVV	269742	456930	6.60%	0.403%
9	10.527	1277	1282	1286	rVV	274758	492172	7.11%	0.434%
10	10.574	1286	1290	1296	rVV	397471	661058	9.55%	0.582%
11	10.674	1296	1307	1320	rVB5	163167	492679	7.12%	0.434%
12	11.927	1513	1520	1526	rBV	487862	759144	10.97%	0.669%
13	12.192	1560	1565	1572	rVB	2461960	3811365	55.07%	3.358%
14	12.416	1594	1603	1612	rVB	1690878	2712051	39.19%	2.390%
15	12.892	1679	1684	1689	rVB	230290	317214	4.58%	0.279%
16	13.186	1726	1734	1742	rBV	804391	1277110	18.45%	1.125%
17	13.410	1766	1772	1784	rVB	318259	729083	10.54%	0.642%
18	13.539	1788	1794	1796	rBV	1058421	1627795	23.52%	1.434%
19	13.704	1815	1822	1827	rVV	1442042	2579513	37.27%	2.273%
20	13.757	1827	1831	1834	rVV	960180	1321431	19.09%	1.164%
21	13.798	1834	1838	1841	rVV	559449	819306	11.84%	0.722%
22	13.839	1841	1845	1850	rVV2	718195	1099765	15.89%	0.969%
23	13.939	1857	1862	1865	rVV	633321	906673	13.10%	0.799%
24	13.968	1865	1867	1873	rVB2	237228	303758	4.39%	0.268%
25	14.080	1879	1886	1887	rBV	626850	846305	12.23%	0.746%
26	14.110	1887	1891	1899	rVB	1508674	2302831	33.28%	2.029%
27	14.262	1912	1917	1923	rBV	946851	1255653	18.14%	1.106%
28	14.380	1926	1937	1943	rBV4	439933	919031	13.28%	0.810%
29	14.451	1943	1949	1956	rBV3	249891	513664	7.42%	0.453%
30	14.598	1967	1974	1982	rBV2	333997	762470	11.02%	0.672%
31	14.780	1998	2005	2011	rBV2	648332	1124096	16.24%	0.990%
32	14.857	2013	2018	2021	rBV	419555	555175	8.02%	0.489%
33	14.992	2036	2041	2047	rVV3	377192	782927	11.31%	0.690%
34	15.051	2047	2051	2055	rVV	330599	470068	6.79%	0.414%

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35	15.168	2064	2071	2075	rBV2	229591	547673	7.91%	0.483%
36	15.221	2075	2080	2083	rVV2	928817	1211592	17.51%	1.067%
37	15.257	2083	2086	2092	rVB	299001	418235	6.04%	0.368%
38	15.380	2103	2107	2112	rVV	968666	1421314	20.54%	1.252%
39	15.439	2112	2117	2126	rVV	1262916	2247513	32.48%	1.980%
40	15.515	2126	2130	2134	rVV2	192570	350915	5.07%	0.309%
41	15.627	2141	2149	2159	rVV3	329912	941692	13.61%	0.830%
42	15.727	2161	2166	2171	rVV	287539	492002	7.11%	0.433%
43	15.874	2188	2191	2199	rVB	238305	420423	6.08%	0.370%
44	16.086	2222	2227	2236	rBV2	924299	1996412	28.85%	1.759%
45	16.439	2279	2287	2292	rBV2	369150	878898	12.70%	0.774%
46	16.486	2292	2295	2300	rVB3	358742	507194	7.33%	0.447%
47	16.586	2308	2312	2317	rVB	261255	368042	5.32%	0.324%
48	16.662	2318	2325	2327	rBV6	145941	297578	4.30%	0.262%
49	16.874	2355	2361	2365	rVV2	817319	1092094	15.78%	0.962%
50	16.921	2365	2369	2372	rVV	262115	409618	5.92%	0.361%
51	16.956	2372	2375	2381	rVB	365817	528486	7.64%	0.466%
52	17.139	2400	2406	2409	rBV	510237	827645	11.96%	0.729%
53	17.186	2409	2414	2419	rVV	5034405	6920423	100.00%	6.097%
54	17.239	2419	2423	2425	rVV	763888	1037378	14.99%	0.914%
55	17.268	2425	2428	2433	rVB	887136	1200838	17.35%	1.058%
56	17.533	2469	2473	2482	rBV4	111967	303178	4.38%	0.267%
57	17.615	2482	2487	2491	rVV	670799	836253	12.08%	0.737%
58	17.715	2500	2504	2510	rVB2	223118	343833	4.97%	0.303%
59	18.009	2549	2554	2558	rBV	1126956	1575852	22.77%	1.388%
60	18.062	2558	2563	2568	rVB	1265127	1748023	25.26%	1.540%
61	18.139	2572	2576	2582	rVV	374370	580267	8.38%	0.511%
62	18.209	2582	2588	2591	rVV2	1205114	2197327	31.75%	1.936%
63	18.245	2591	2594	2601	rVB	630800	893953	12.92%	0.788%
64	18.309	2601	2605	2612	rBV2	496095	651511	9.41%	0.574%
65	18.515	2635	2640	2644	rBV	402970	574422	8.30%	0.506%
66	18.762	2678	2682	2687	rVV3	228391	427927	6.18%	0.377%
67	18.939	2706	2712	2716	rBV2	645850	1350125	19.51%	1.190%
68	18.997	2717	2722	2725	rVV2	301357	600156	8.67%	0.529%
69	19.080	2730	2736	2749	rBV3	536994	1103743	15.95%	0.972%
70	19.203	2749	2757	2763	rBV	3406687	4596015	66.41%	4.049%
71	19.350	2778	2782	2787	rBV	557748	755989	10.92%	0.666%

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72	19.533	2808	2813	2816	rBV2	1385742	2282562	32.98%	2.011%
73	19.574	2816	2820	2826	rVV	4770971	6346693	91.71%	5.592%
74	19.633	2826	2830	2837	rVB	230976	380667	5.50%	0.335%
75	19.886	2868	2873	2882	rVB4	409941	1020047	14.74%	0.899%
76	20.033	2891	2898	2899	rBV4	392359	700904	10.13%	0.618%
77	20.062	2899	2903	2908	rVB2	939596	1382820	19.98%	1.218%
78	20.162	2916	2920	2924	rBV	416278	554514	8.01%	0.489%
79	20.221	2924	2930	2934	rBV2	614811	871637	12.60%	0.768%
80	20.362	2949	2954	2957	rBV	498692	708957	10.24%	0.625%
81	20.409	2958	2962	2972	rVB	527527	876307	12.66%	0.772%
82	20.809	3027	3030	3036	rVB	365456	547029	7.90%	0.482%
83	21.015	3062	3065	3069	rVV2	401387	578357	8.36%	0.510%
84	21.050	3069	3071	3076	rVB2	251257	318621	4.60%	0.281%
85	21.321	3111	3117	3122	rBV2	2097753	4162250	60.14%	3.667%
86	21.368	3122	3125	3131	rVB	1652575	2310448	33.39%	2.036%
87	21.538	3151	3154	3160	rBV2	271417	403655	5.83%	0.356%
88	21.886	3207	3213	3219	rVV	577081	1158899	16.75%	1.021%
89	21.938	3219	3222	3227	rVB	308320	411227	5.94%	0.362%
90	22.086	3243	3247	3250	rBV2	250222	353762	5.11%	0.312%
91	22.656	3340	3344	3355	rVB4	172845	459581	6.64%	0.405%
92	22.921	3384	3389	3395	rBV2	1031633	2517132	36.37%	2.218%
93	23.097	3414	3419	3429	rVB	409103	722217	10.44%	0.636%
94	23.415	3467	3473	3477	rBV	708600	1307073	18.89%	1.152%
95	23.462	3477	3481	3485	rVV2	735920	1340579	19.37%	1.181%
96	23.515	3485	3490	3496	rVB	1362828	2375172	34.32%	2.093%
97	23.609	3500	3506	3510	rVV	440403	828301	11.97%	0.730%
98	23.662	3511	3515	3522	rVB2	307225	596807	8.62%	0.526%
99	25.915	3889	3898	3910	rVB2	497846	1529204	22.10%	1.347%
100	26.621	4011	4018	4036	rVB	353374	1155793	16.70%	1.018%

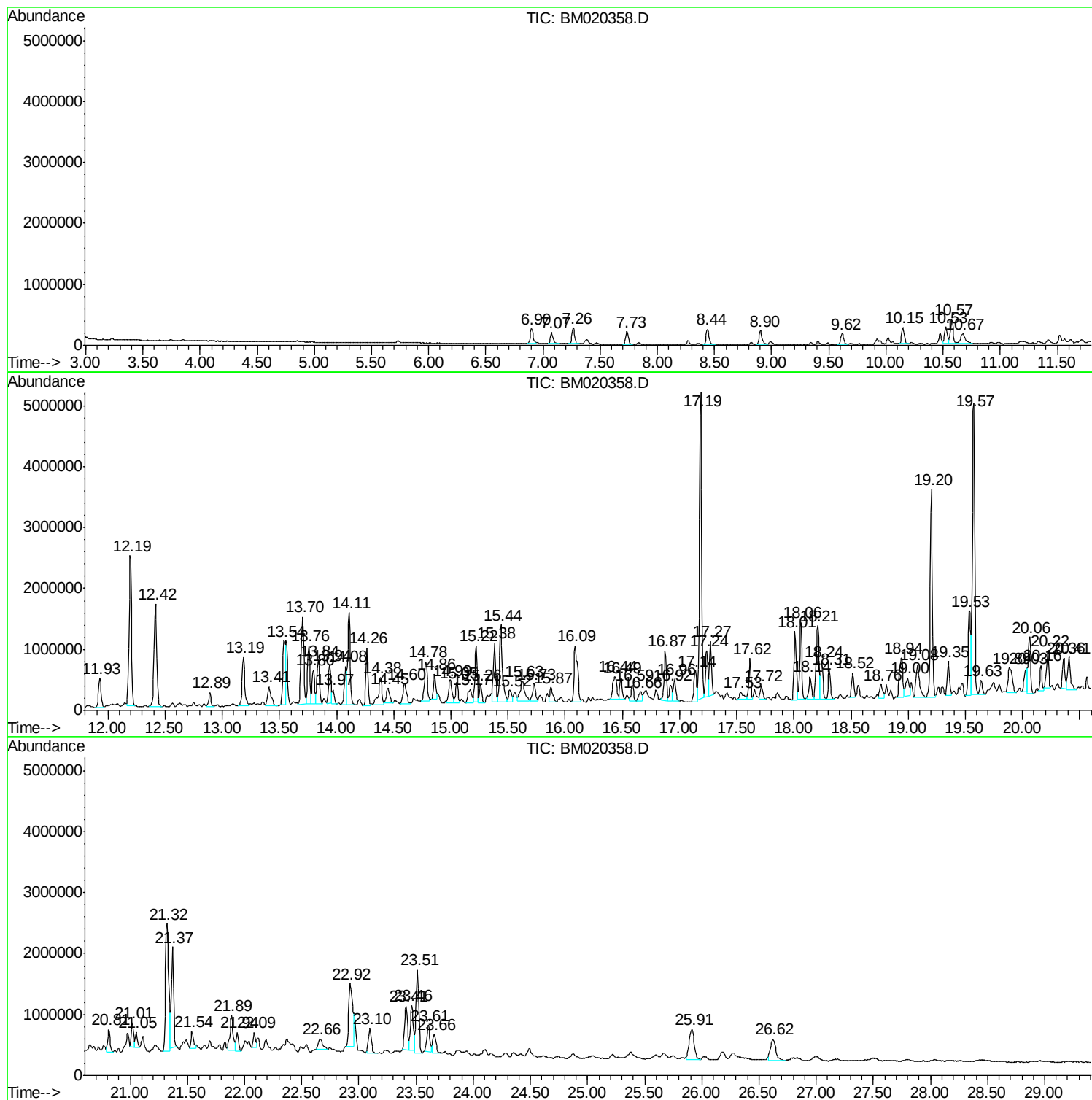
Sum of corrected areas: 113498610

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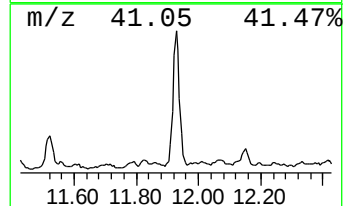
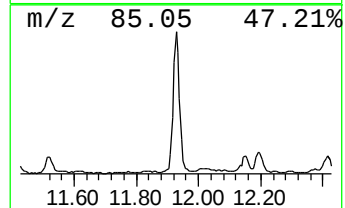
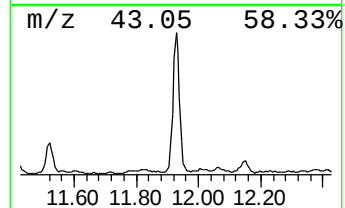
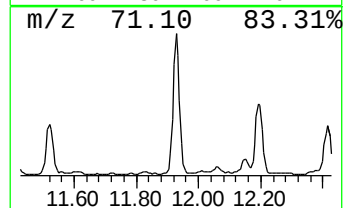
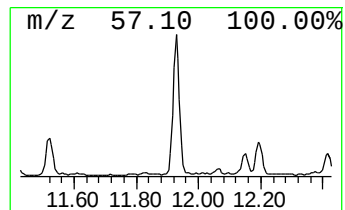
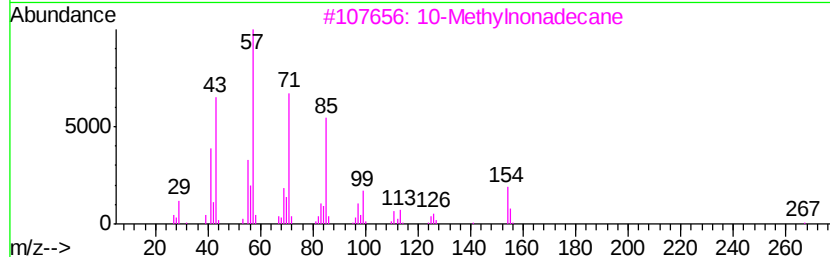
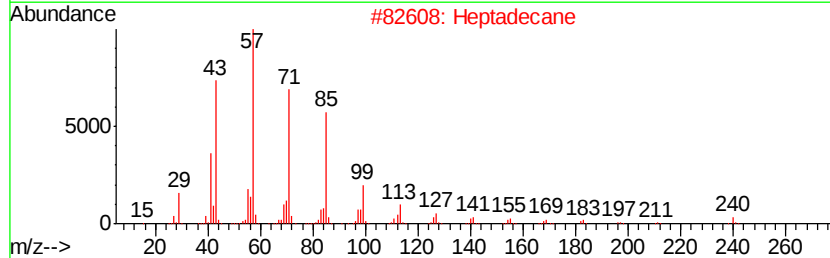
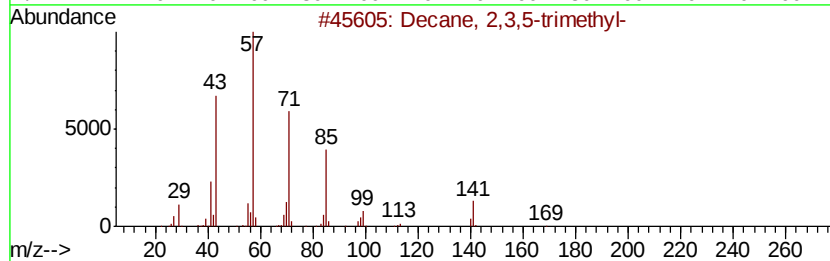
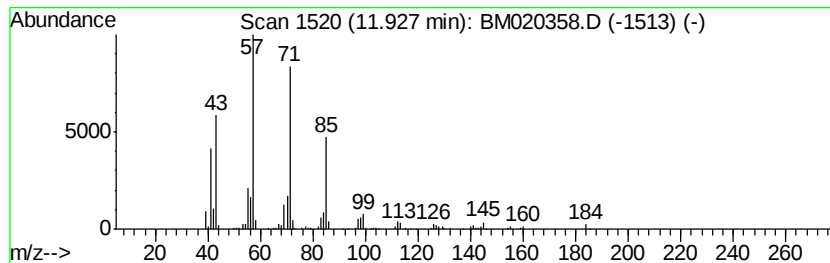
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM051619MA.M
Quant Title : SVOA CALIBRATION

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

Peak Number 1 (DEL) Alkane: Straight-Chai... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.93	30.85 ng/ul	759144	Naphthalene-d8	10.53

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Decane, 2,3,5-trimethyl-	184	C13H28	062238-11-3	86
2		Heptadecane	240	C17H36	000629-78-7	86
3		10-Methylnonadecane	282	C20H42	056862-62-5	72
4		Dodecane, 2,7,10-trimethyl-	212	C15H32	074645-98-0	59
5		Tridecane	184	C13H28	000629-50-5	53



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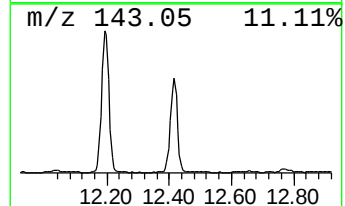
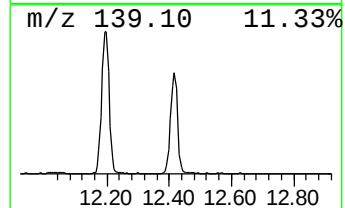
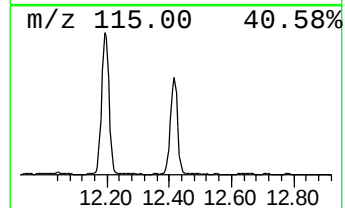
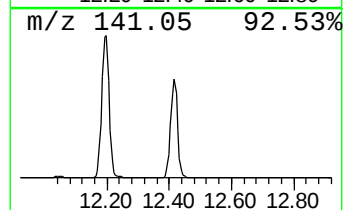
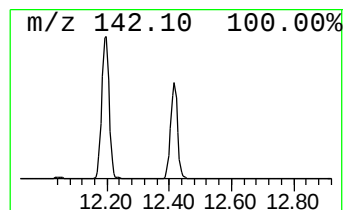
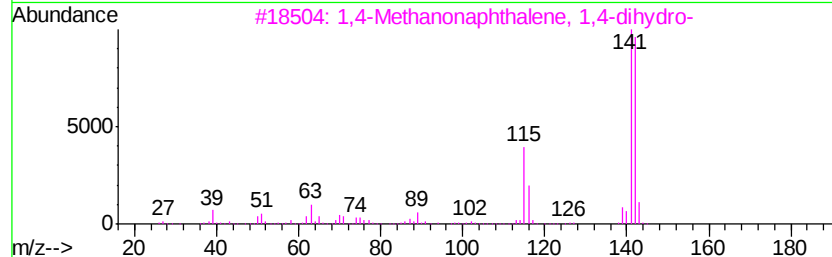
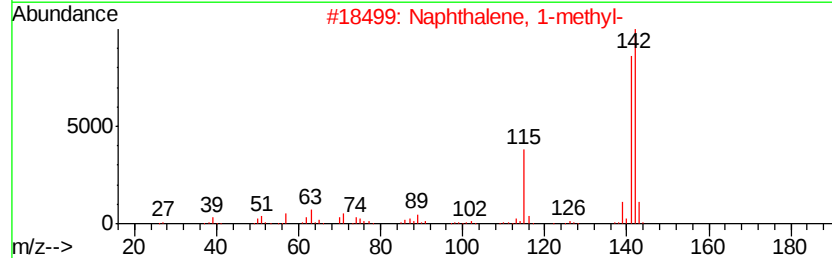
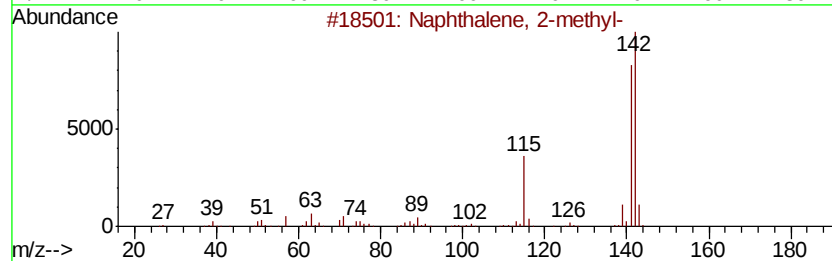
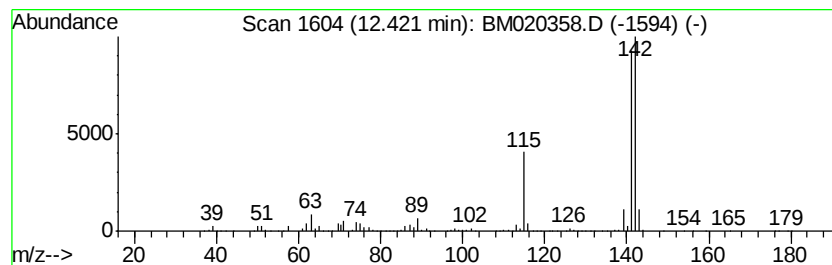
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Quant Title : SVOA CALIBRATION

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

Peak Number 2 Naphthalene, 1-methyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.42	110.21 ng/ul	2712050	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, 1-methyl-	142	C11H10	000090-12-0	91
5		Naphthalene, 1-methyl-	142	C11H10	000090-12-0	91



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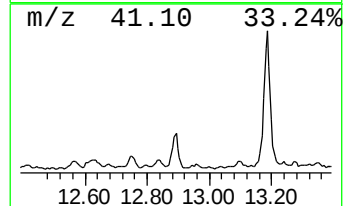
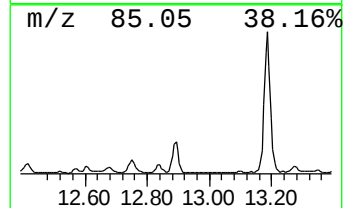
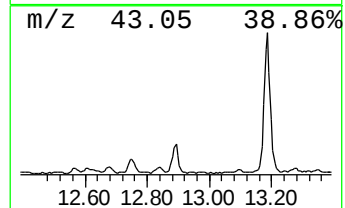
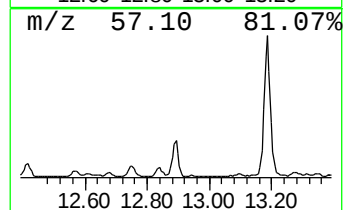
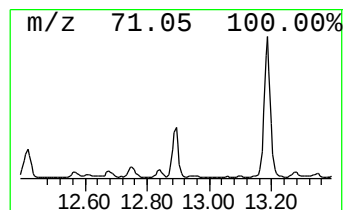
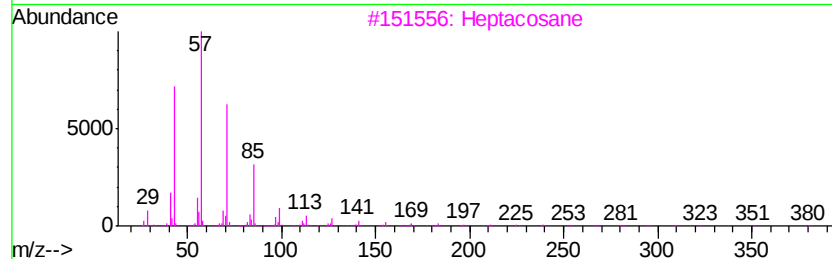
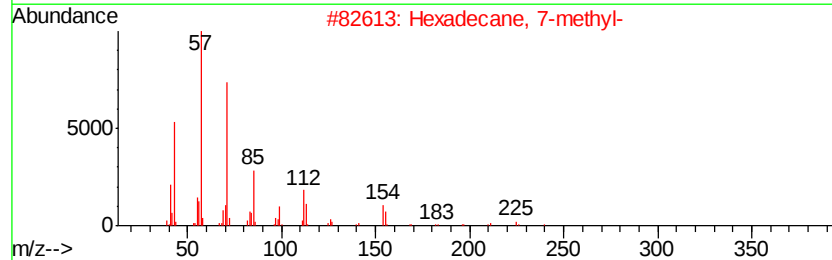
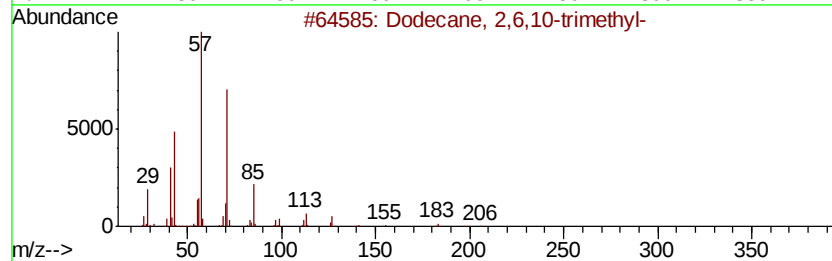
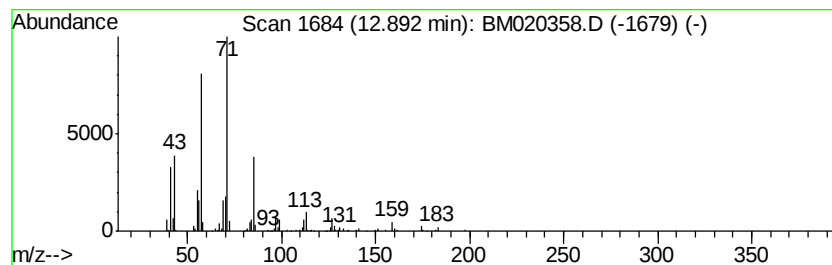
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TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 3 (DEL) Alkane: Straight-Chai... Concentration Rank 42

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.89	6.90 ng/ul	317214	Acenaphthene-d10	14.39

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Dodecane, 2,6,10-trimethyl-	212	C15H32	003891-98-3	83
2			Hexadecane, 7-methyl-	240	C17H36	026730-20-1	78
3			Heptacosane	380	C27H56	000593-49-7	64
4			Dodecane, 2,7,10-trimethyl-	212	C15H32	074645-98-0	64
5			Nonane, 5-(2-methylpropyl)-	184	C13H28	062185-53-9	64



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Operator : JU/SJ
Sample : K2604-04ME
Misc :
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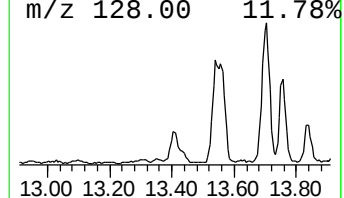
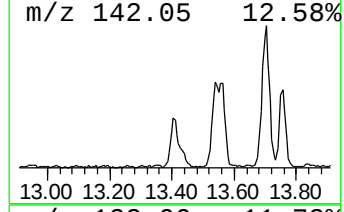
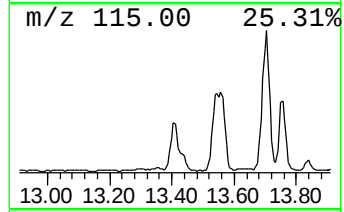
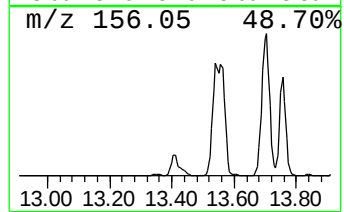
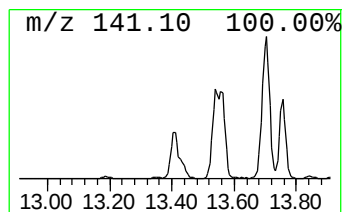
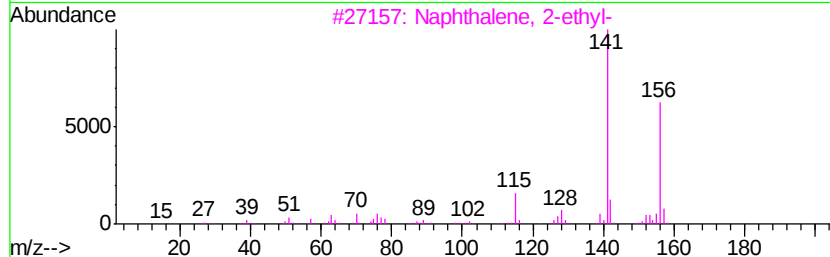
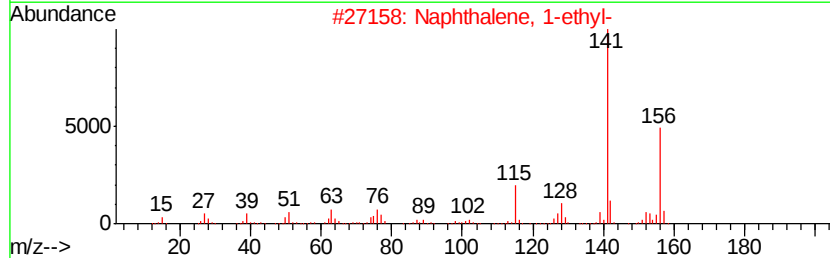
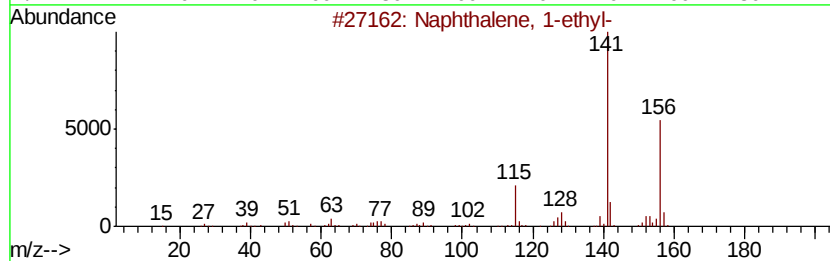
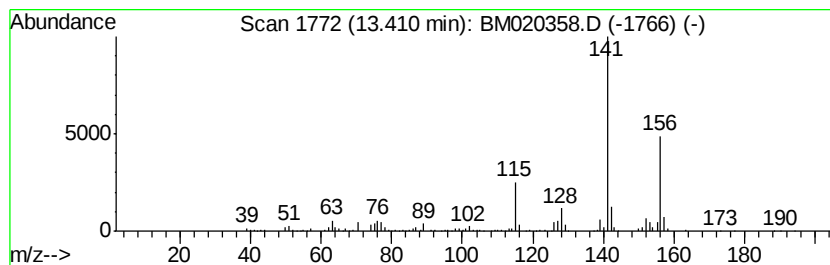
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ClientSampleId :
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Quant Title : SVOA CALIBRATION

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

Peak Number 4 Naphthalene, 1-ethyl- Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.41	15.87 ng/ul	729083	Acenaphthene-d10	14.39
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1		Naphthalene, 1-ethyl-	156 C12H12	001127-76-0 97
2		Naphthalene, 1-ethyl-	156 C12H12	001127-76-0 95
3		Naphthalene, 2-ethyl-	156 C12H12	000939-27-5 94
4		Naphthalene, 1-ethyl-	156 C12H12	001127-76-0 94
5		Naphthalene, 2-ethyl-	156 C12H12	000939-27-5 94



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM051719\
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Acq On : 17 May 2019 10:57
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Sample : K2604-04ME
Misc :
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Instrument :
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ClientSampleId :
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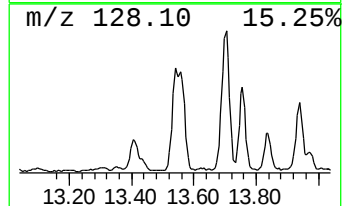
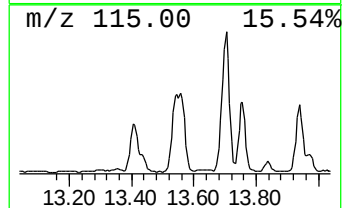
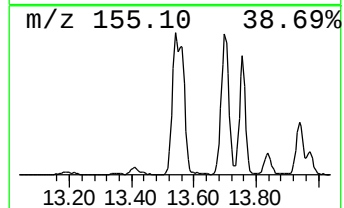
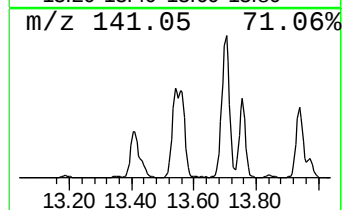
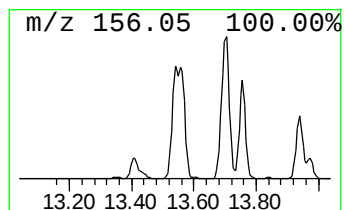
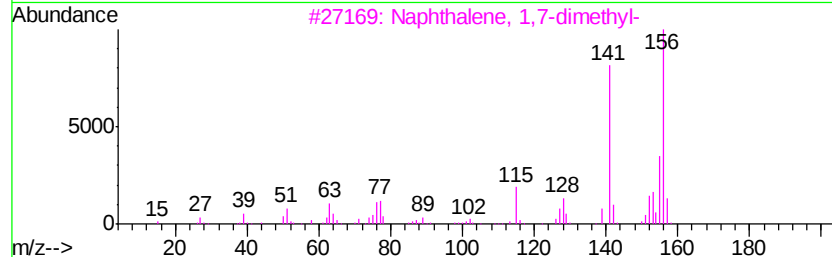
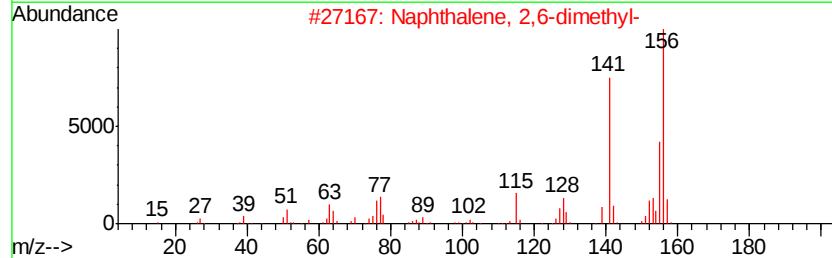
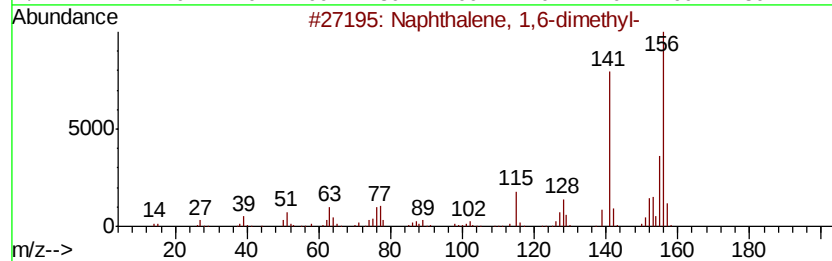
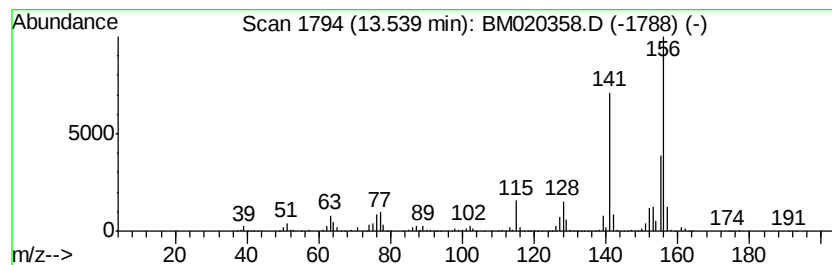
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Quant Title : SVOA CALIBRATION

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

Peak Number 5 Naphthalene, 1,6-dimethyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.54	35.42 ng/ul	1627800	Acenaphthene-d10	14.39

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	98
2		Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	97
3		Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	96
4		Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	96
5		Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	96



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM051719\
Data File : BM020358.D
Acq On : 17 May 2019 10:57
Operator : JU/SJ
Sample : K2604-04ME
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
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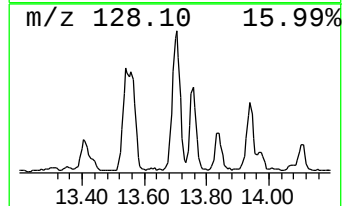
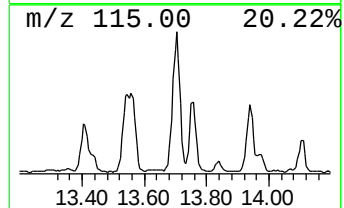
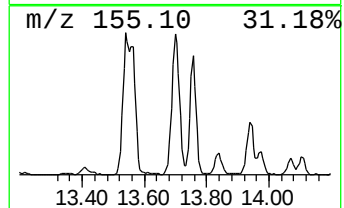
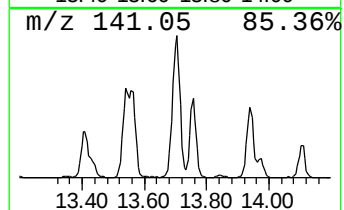
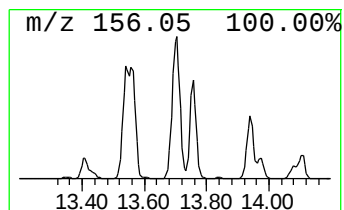
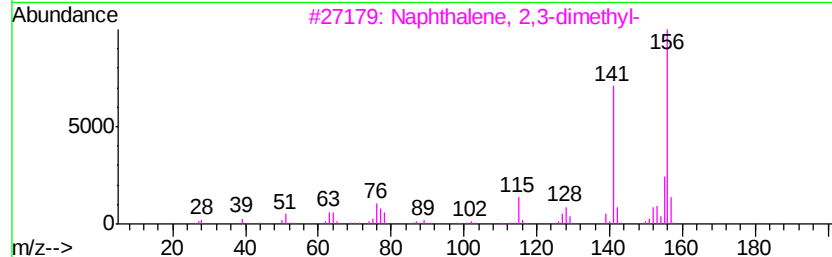
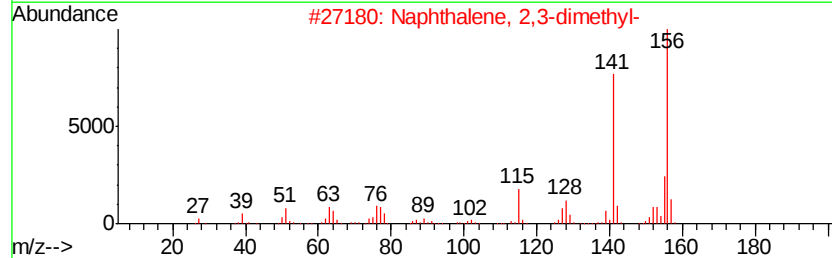
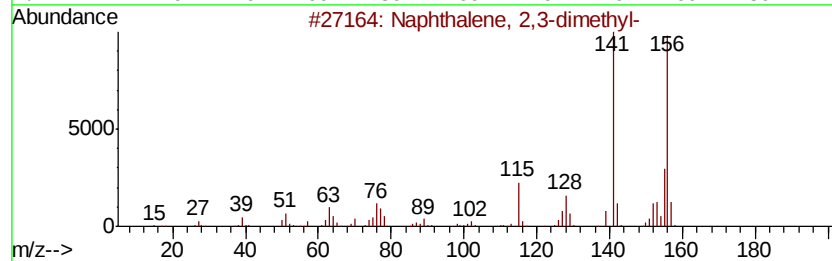
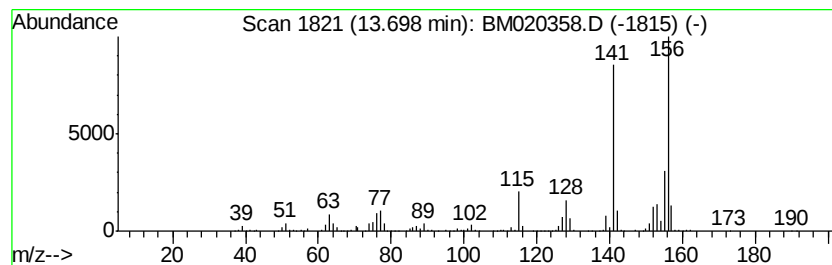
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Quant Title : SVOA CALIBRATION

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

Peak Number 6 Naphthalene, 2,3-dimethyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.70	56.14 ng/ul	2579510	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, 2,3-dimethyl-	156	C12H12	000581-40-8	97
3		Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	97
4		Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	97
5		Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	97



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM051719\
Data File : BM020358.D
Acq On : 17 May 2019 10:57
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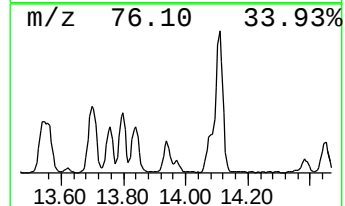
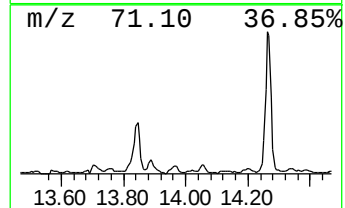
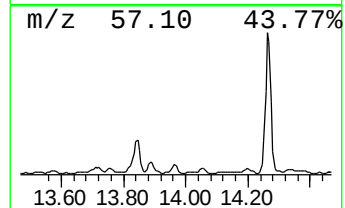
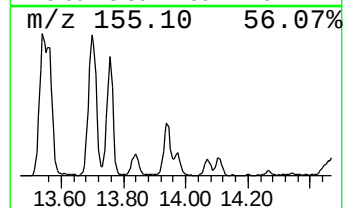
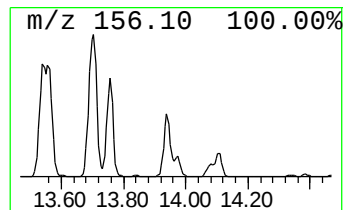
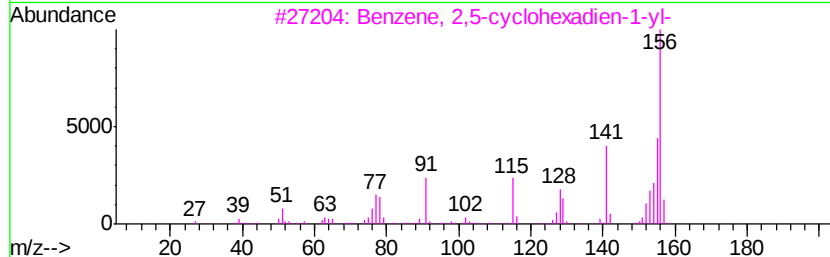
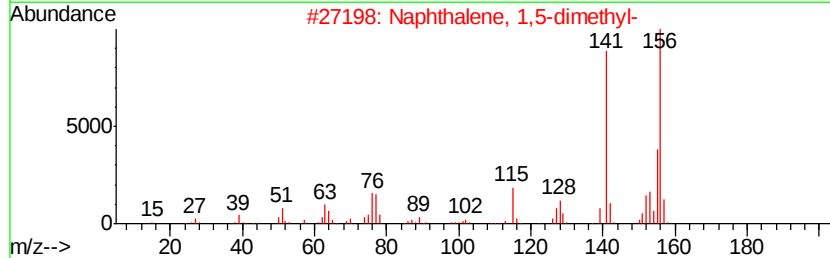
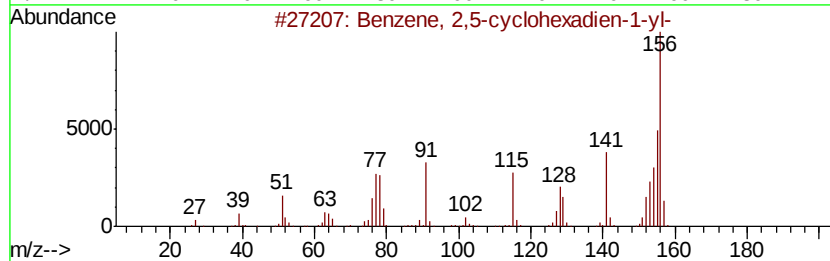
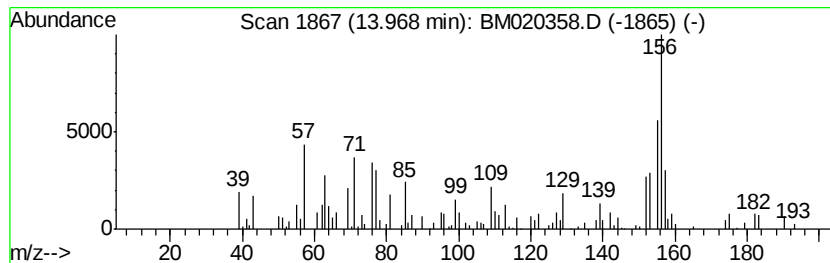
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Quant Title : SVOA CALIBRATION

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

Peak Number 8 unknown-01 Concentration Rank 44

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.97	6.61 ng/ul	303758	Acenaphthene-d10	14.39

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, 2,5-cyclohexadien-1-yl-	156	C12H12	004794-05-2	38
2		Naphthalene, 1,5-dimethyl-	156	C12H12	000571-61-9	38
3		Benzene, 2,5-cyclohexadien-1-yl-	156	C12H12	004794-05-2	38
4		Benzene, (1,4-cyclohexadien-1-yl)-	156	C12H12	013703-52-1	38
5		Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	35



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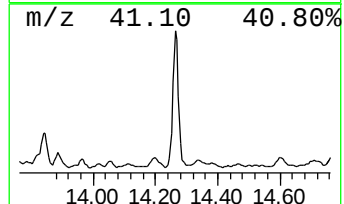
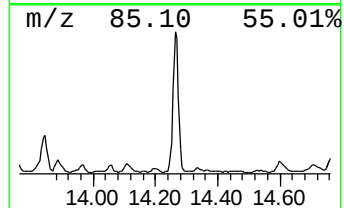
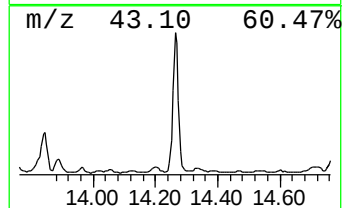
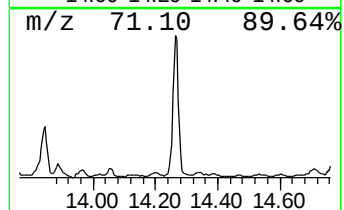
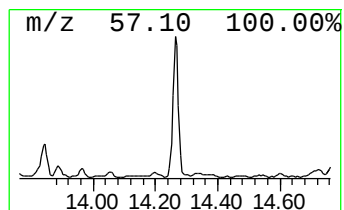
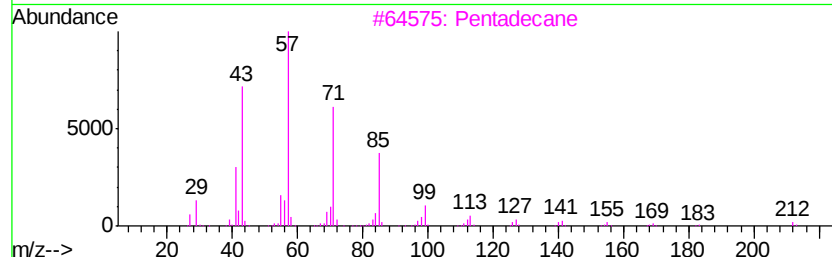
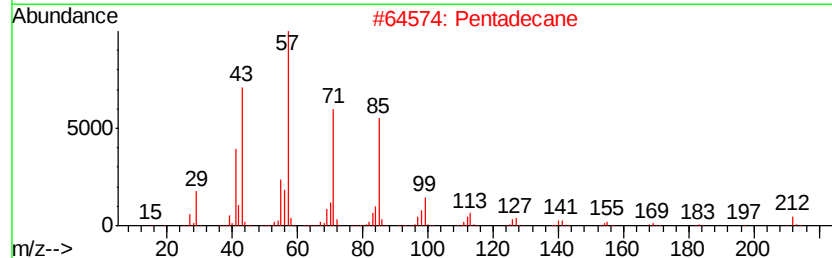
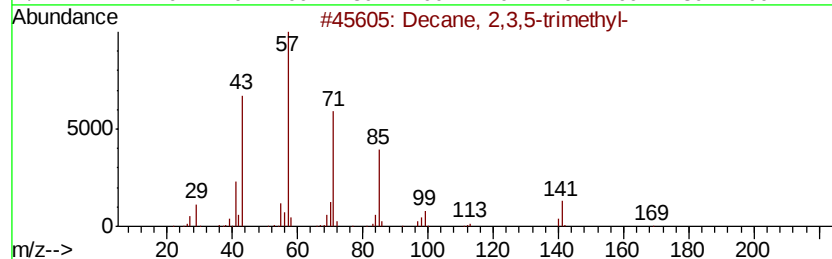
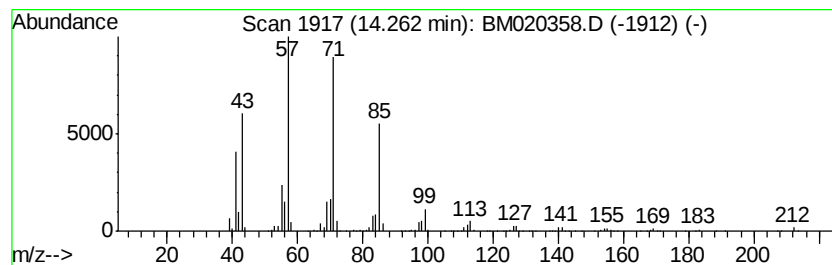
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TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 9 (DEL) Alkane: Straight-Chai... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.26	27.33 ng/ul	1255650	Acenaphthene-d10	14.39

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Decane, 2,3,5-trimethyl-	184	C13H28	062238-11-3	83
2		Pentadecane	212	C15H32	000629-62-9	68
3		Pentadecane	212	C15H32	000629-62-9	60
4		Tetradecane	198	C14H30	000629-59-4	58
5		1-Decene, 4-methyl-	154	C11H22	013151-29-6	53



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Data File : BM020358.D
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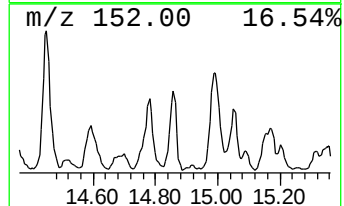
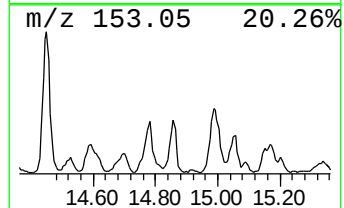
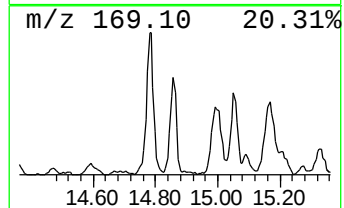
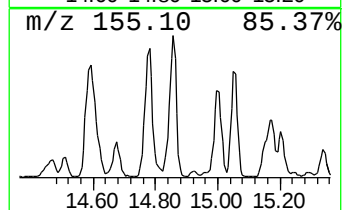
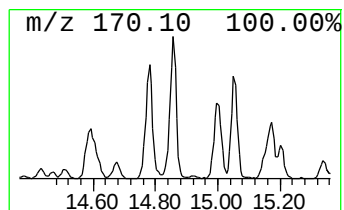
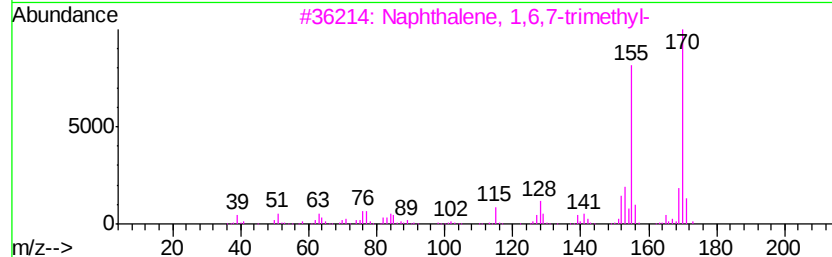
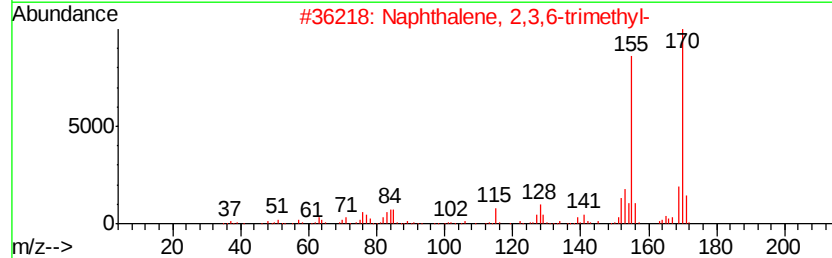
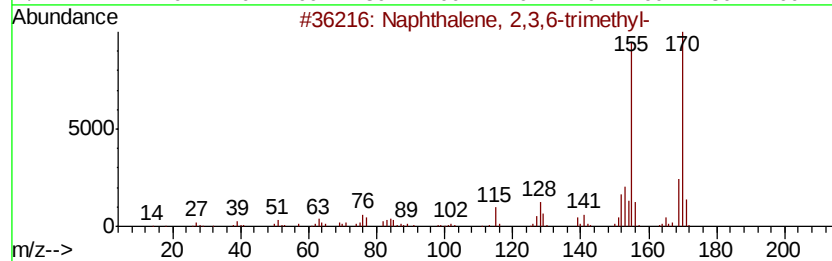
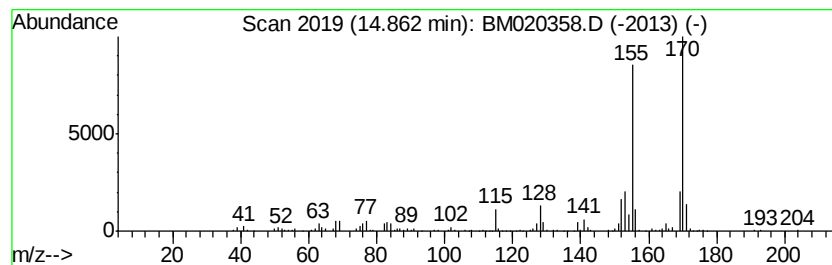
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Quant Title : SVOA CALIBRATION

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

Peak Number 10 Naphthalene, 2,3,6-trimethyl- Concentration Rank 29

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.86	12.08 ng/ul	555175	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, 1,6,7-trimethyl-	170	C13H14	002245-38-7	96
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 : BM020358.D
Acq On : 17 May 2019 10:57
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Misc :
ALS Vial : 5 Sample Multiplier: 1

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ClientSampleId :
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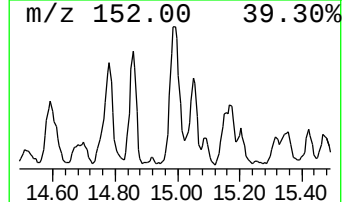
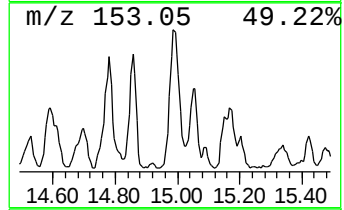
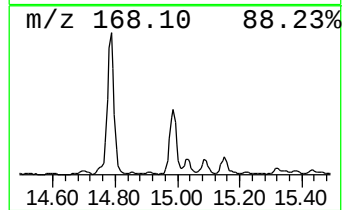
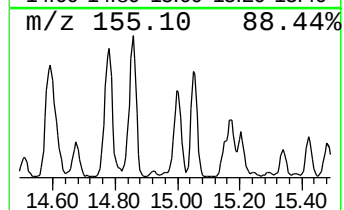
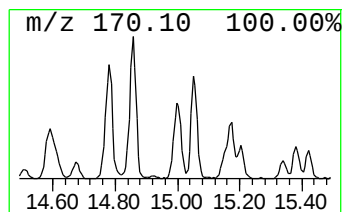
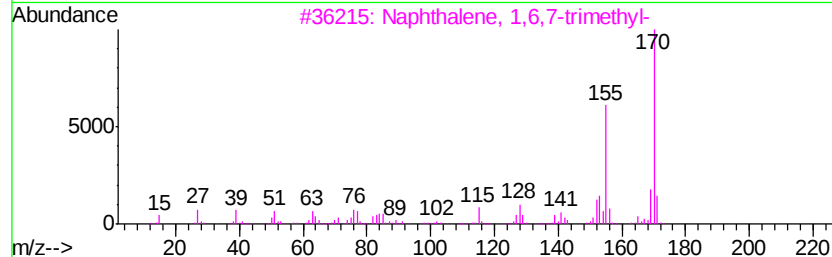
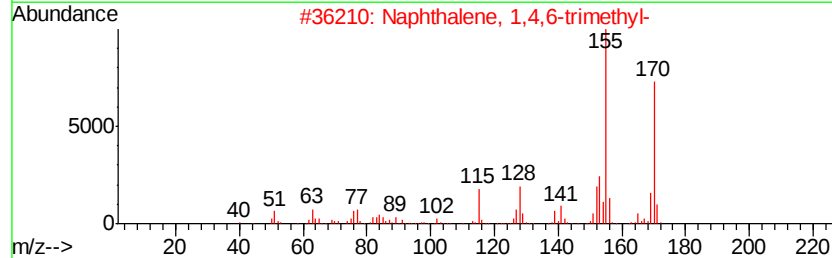
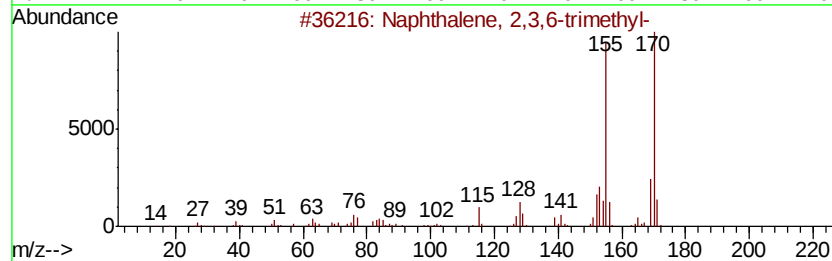
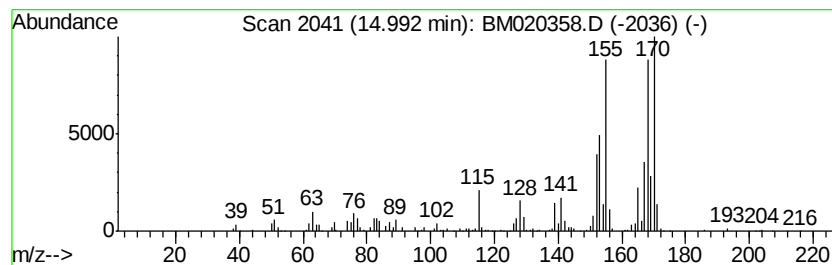
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Quant Title : SVOA CALIBRATION

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

Peak Number 11 Naphthalene, 1,4,6-trimethyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.99	17.04 ng/ul	782927	Acenaphthene-d10	14.39

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	87
2		Naphthalene, 1,4,6-trimethyl-	170	C13H14	002131-42-2	87
3		Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	86
4		3-(2-Methyl-propenyl)-1H-indene	170	C13H14	1000187-78-5	64
5		Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	55



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM051719\
Data File : BM020358.D
Acq On : 17 May 2019 10:57
Operator : JU/SJ
Sample : K2604-04ME
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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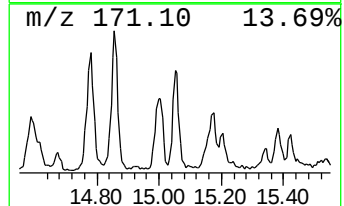
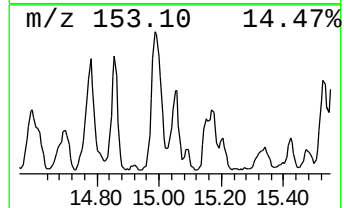
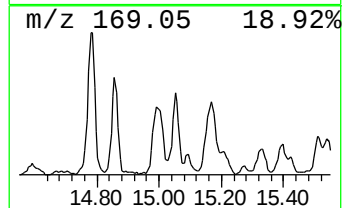
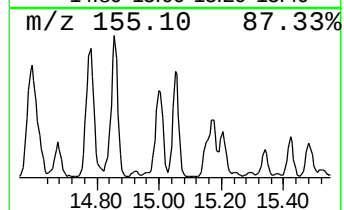
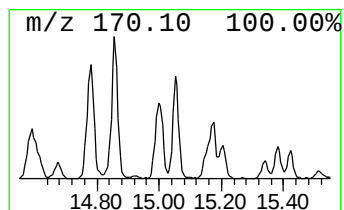
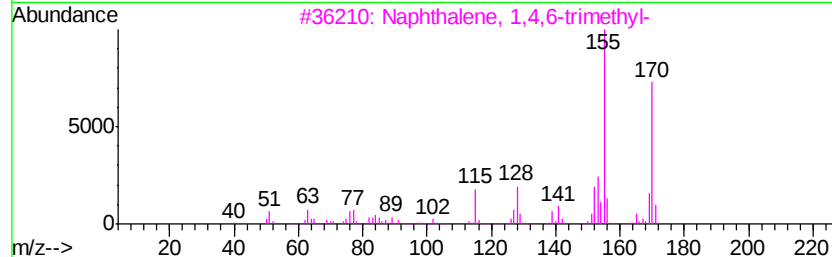
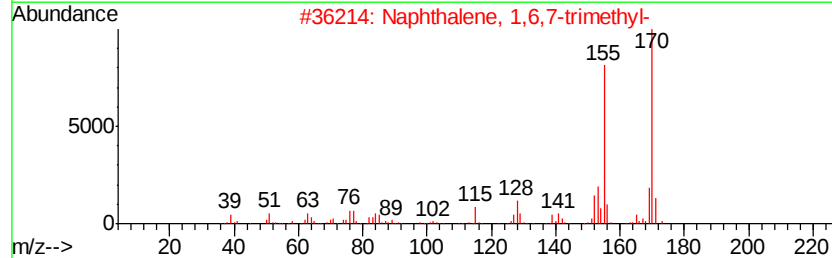
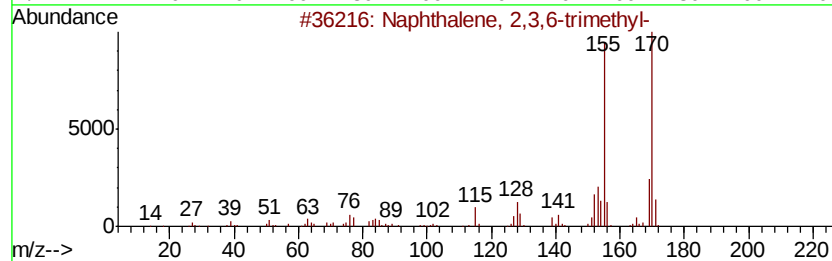
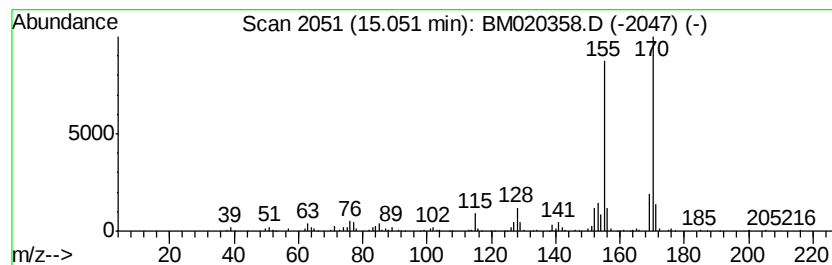
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Quant Title : SVOA CALIBRATION

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

Peak Number 12 Naphthalene, 1,6,7-trimethyl- Concentration Rank 34

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.05	10.23 ng/ul	470068	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, 1,6,7-trimethyl-	170	C13H14	002245-38-7	97
3		Naphthalene, 1,4,6-trimethyl-	170	C13H14	002131-42-2	97
4		Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	97
5		Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	97



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM051719\
Data File : BM020358.D
Acq On : 17 May 2019 10:57
Operator : JU/SJ
Sample : K2604-04ME
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
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ClientSampleId :
GAJ78ME

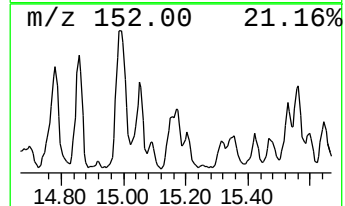
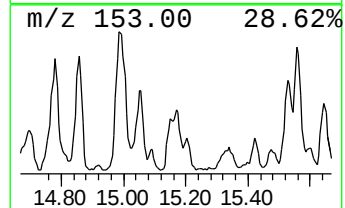
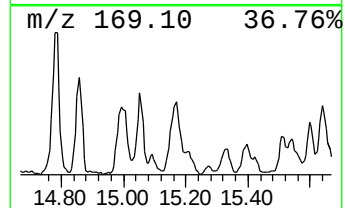
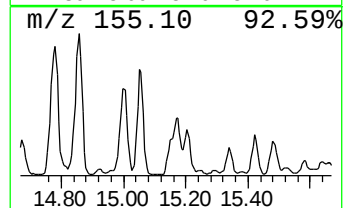
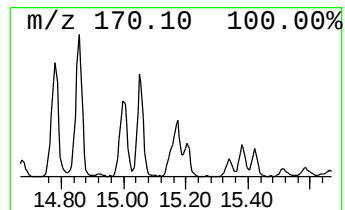
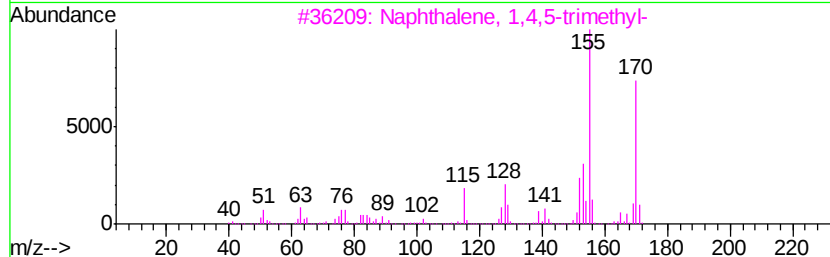
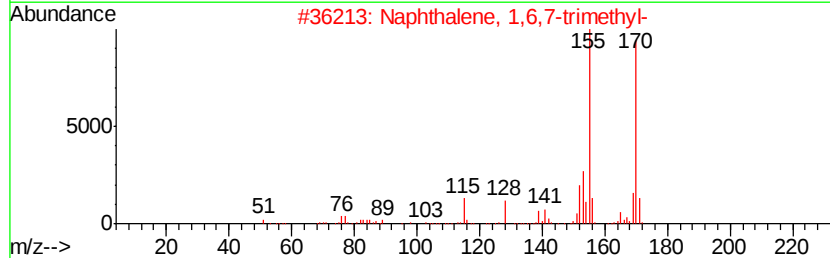
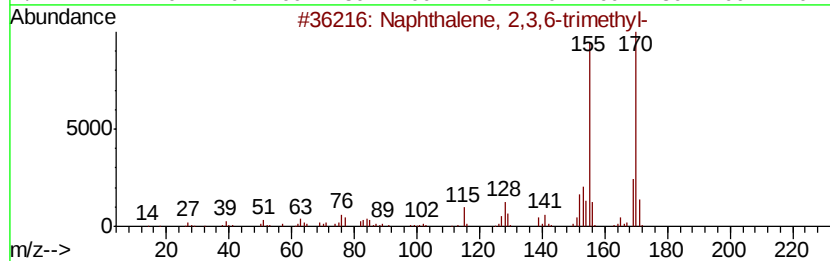
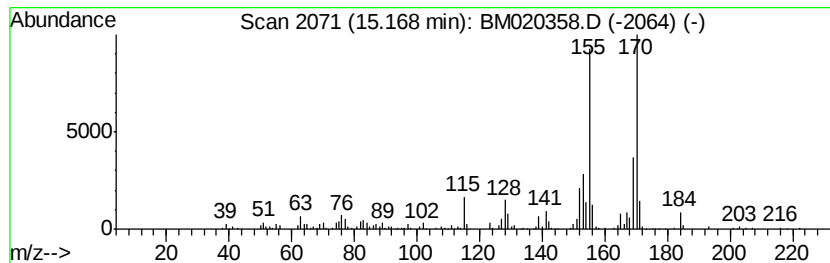
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Quant Title : SVOA CALIBRATION

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

Peak Number 13 Naphthalene, 1,4,5-trimethyl- Concentration Rank 30

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.17	11.92 ng/ul	547673	Acenaphthene-d10	14.39

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	96
2		Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	96
3		Naphthalene, 1,4,5-trimethyl-	170	C13H14	002131-41-1	96
4		Naphthalene, 1,4,6-trimethyl-	170	C13H14	002131-42-2	95
5		Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	95



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM051719\
Data File : BM020358.D
Acq On : 17 May 2019 10:57
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Sample : K2604-04ME
Misc :
ALS Vial : 5 Sample Multiplier: 1

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ClientSampleId :
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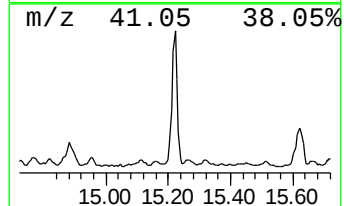
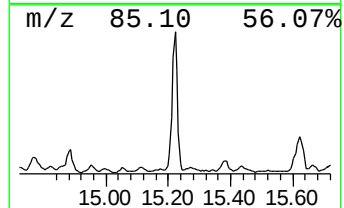
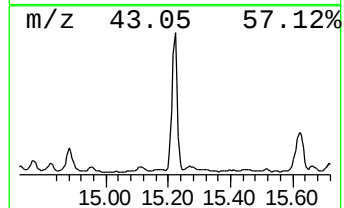
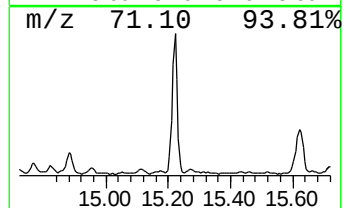
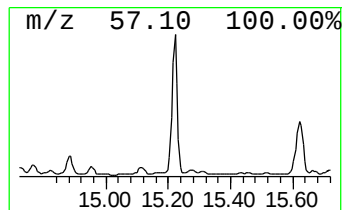
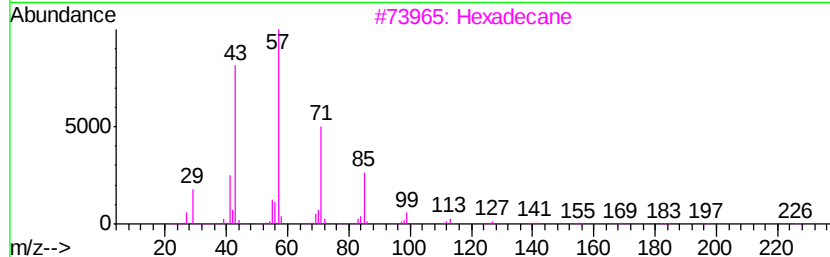
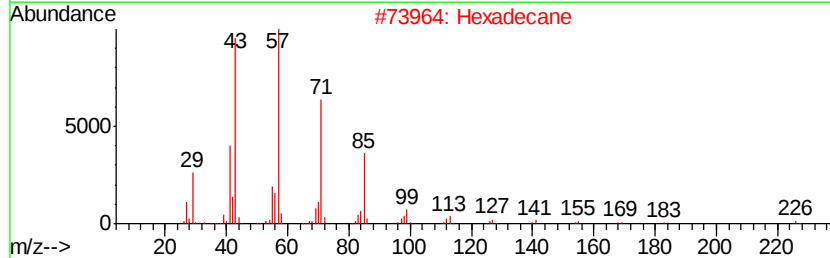
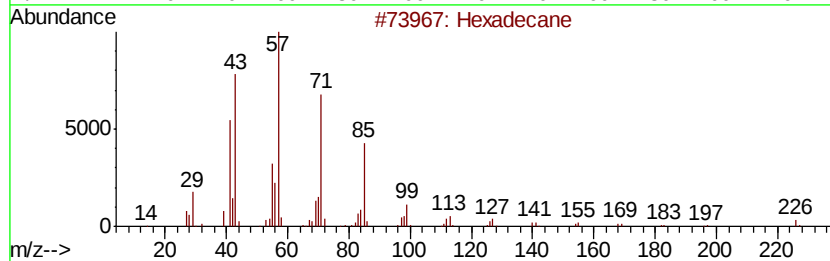
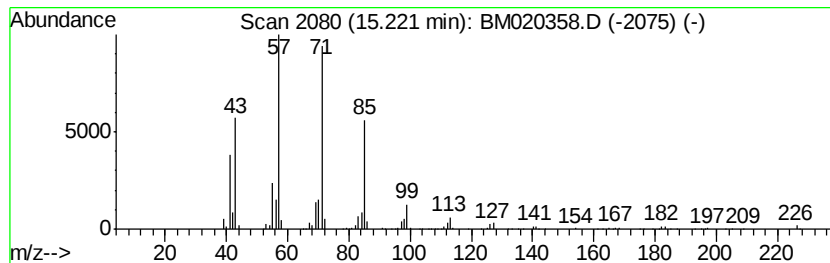
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Quant Title : SVOA CALIBRATION

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

Peak Number 14 (DEL) Alkane: Straight-Chai... Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.22	26.37 ng/ul	1211590	Acenaphthene-d10	14.39

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Hexadecane	226	C16H34	000544-76-3	87
2		Hexadecane	226	C16H34	000544-76-3	81
3		Hexadecane	226	C16H34	000544-76-3	72
4		Hexadecane	226	C16H34	000544-76-3	60
5		Eicosane	282	C20H42	000112-95-8	52



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM051719\
Data File : BM020358.D
Acq On : 17 May 2019 10:57
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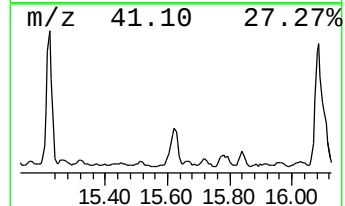
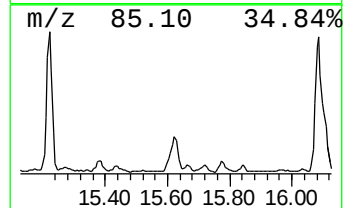
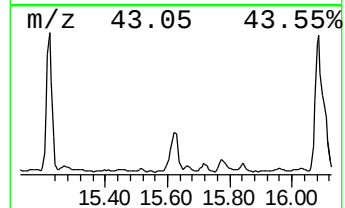
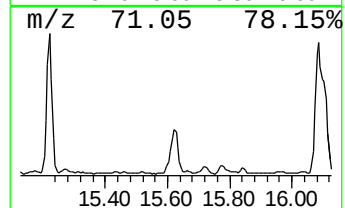
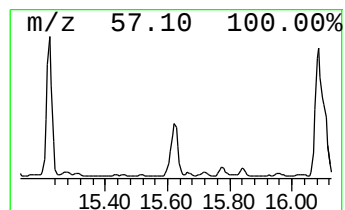
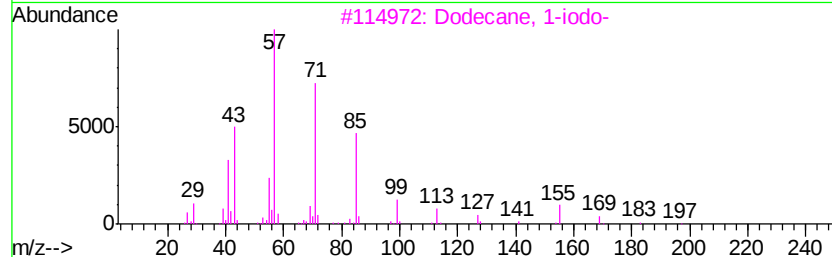
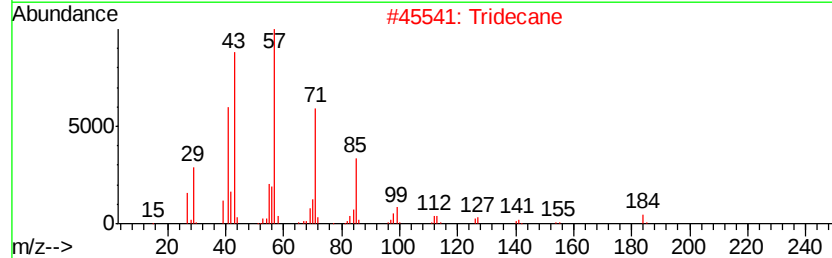
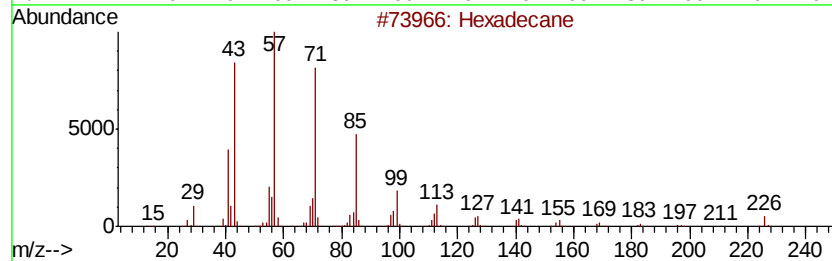
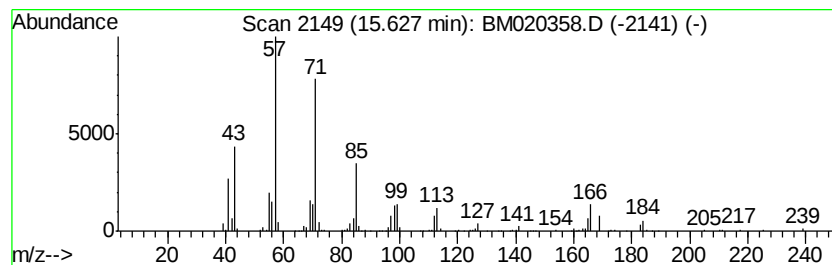
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Quant Title : SVOA CALIBRATION

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

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.63	20.49 ng/ul	941692	Acenaphthene-d10	14.39

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Hexadecane	226	C16H34	000544-76-3	74
2		Tridecane	184	C13H28	000629-50-5	74
3		Dodecane, 1-iodo-	296	C12H25I	004292-19-7	72
4		Hexadecane, 2,6,10,14-tetramethyl-	282	C20H42	000638-36-8	72
5		Undecane, 3,6-dimethyl-	184	C13H28	017301-28-9	64



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM051719\
Data File : BM020358.D
Acq On : 17 May 2019 10:57
Operator : JU/SJ
Sample : K2604-04ME
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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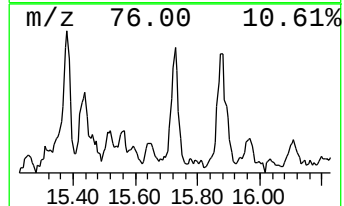
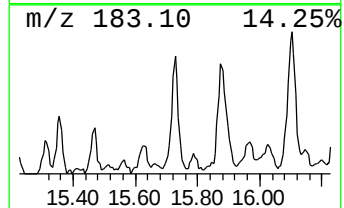
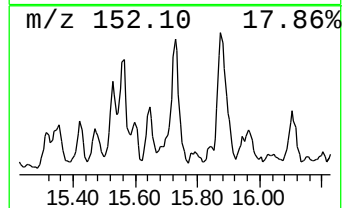
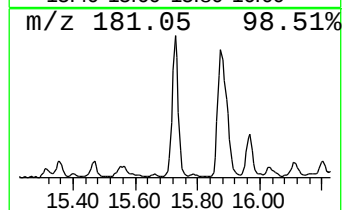
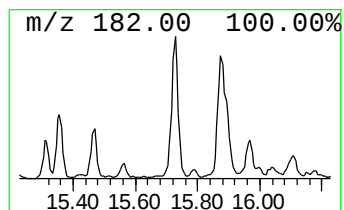
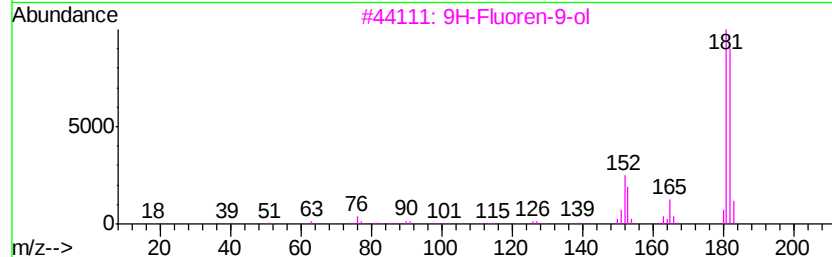
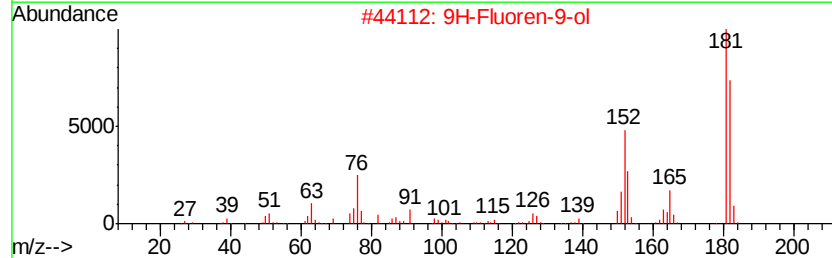
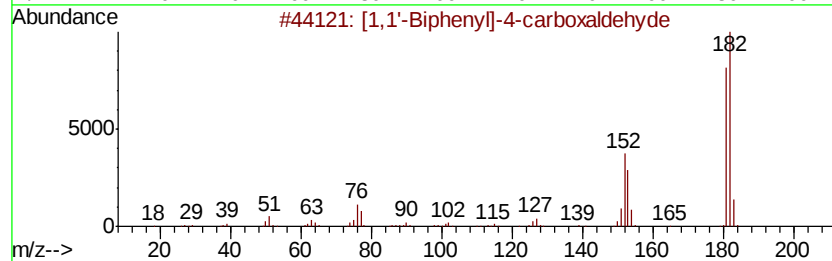
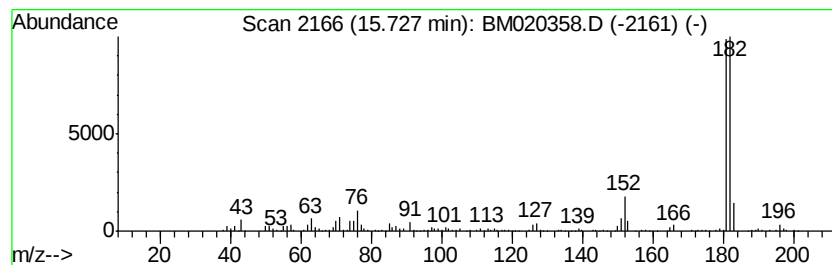
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Quant Title : SVOA CALIBRATION

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

Peak Number 17 [1,1'-Biphenyl]-4-carboxald... Concentration Rank 32

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.73	10.71 ng/ul	492002	Acenaphthene-d10	14.39

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	[1,1'-Biphenyl]-4-carboxaldehyde	182	C13H10O	003218-36-8	83
2		9H-Fluoren-9-ol	182	C13H10O	001689-64-1	78
3		9H-Fluoren-9-ol	182	C13H10O	001689-64-1	78
4		Dibenzofuran, 4-methyl-	182	C13H10O	007320-53-8	68
5		[1,1'-Biphenyl]-4-carboxaldehyde	182	C13H10O	003218-36-8	64



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM051719\
Data File : BM020358.D
Acq On : 17 May 2019 10:57
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Misc :
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ClientSampleId :
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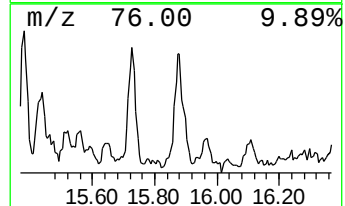
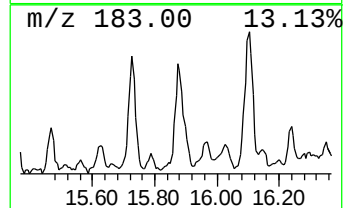
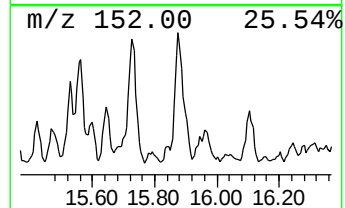
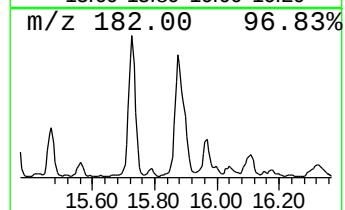
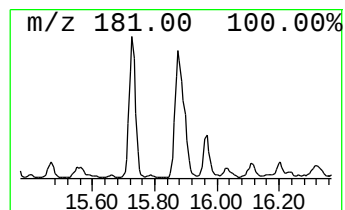
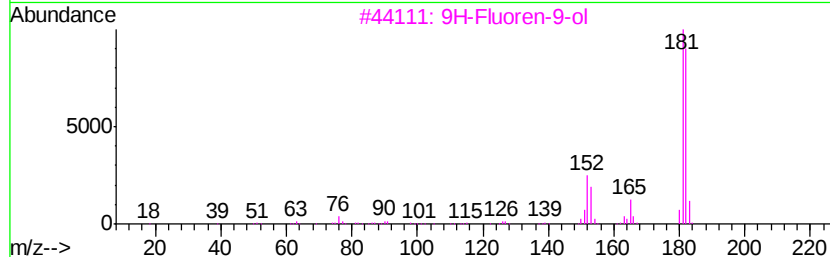
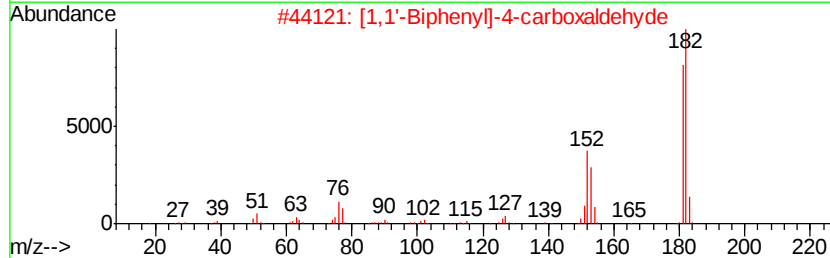
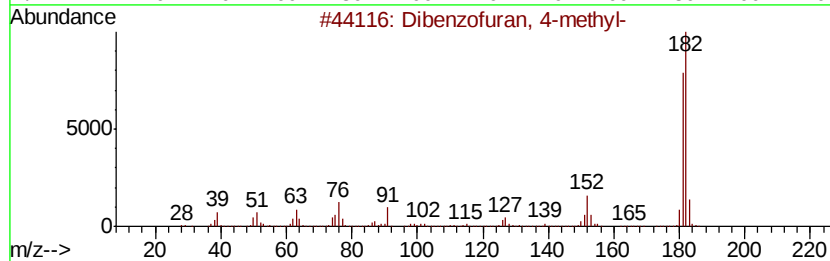
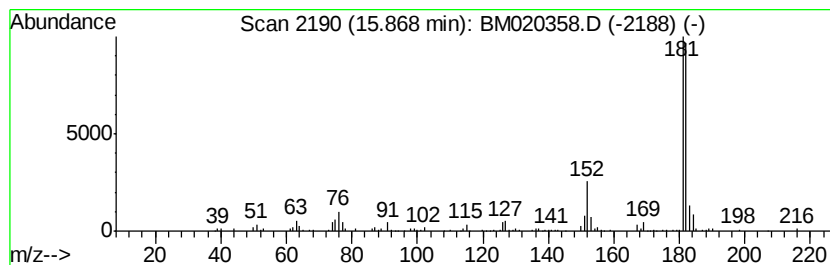
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Quant Title : SVOA CALIBRATION

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

Peak Number 18 Dibenzofuran, 4-methyl- Concentration Rank 35

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.87	10.16 ng/ul	420423	Phenanthrene-d10	17.14

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Dibenzofuran, 4-methyl-	182	C13H10O	007320-53-8	90
2		[1,1'-Biphenyl]-4-carboxaldehyde	182	C13H10O	003218-36-8	90
3		9H-Fluoren-9-ol	182	C13H10O	001689-64-1	80
4		2,4,6-Cycloheptatrien-1-one, 2-p...	182	C13H10O	014562-09-5	72
5		9H-Fluoren-9-ol, acetate	224	C15H12O2	025017-68-9	72



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM051719\
Data File : BM020358.D
Acq On : 17 May 2019 10:57
Operator : JU/SJ
Sample : K2604-04ME
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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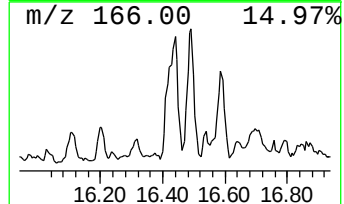
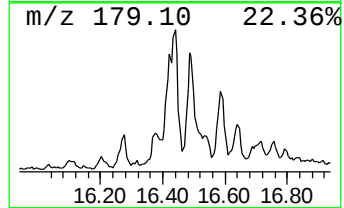
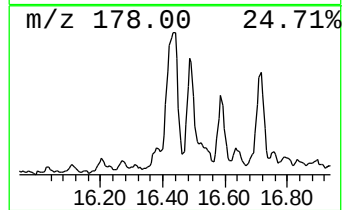
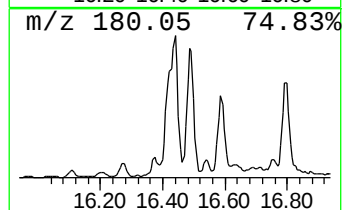
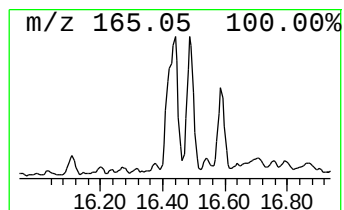
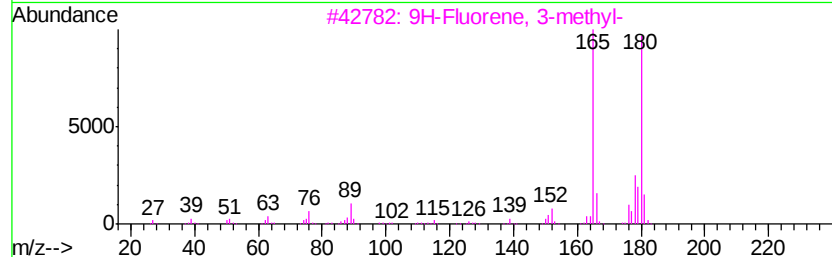
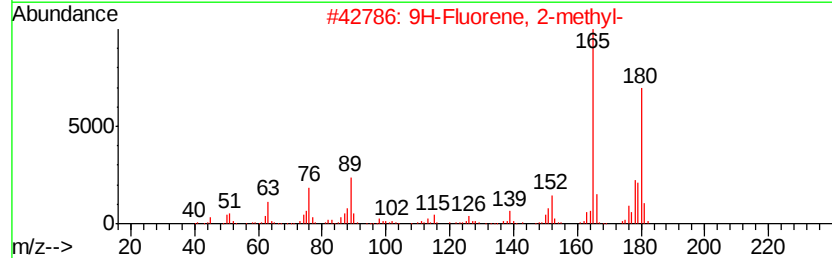
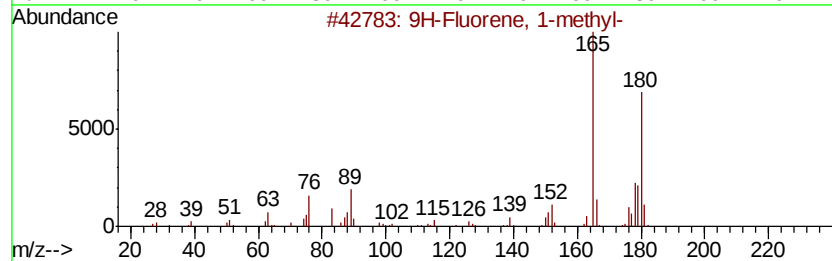
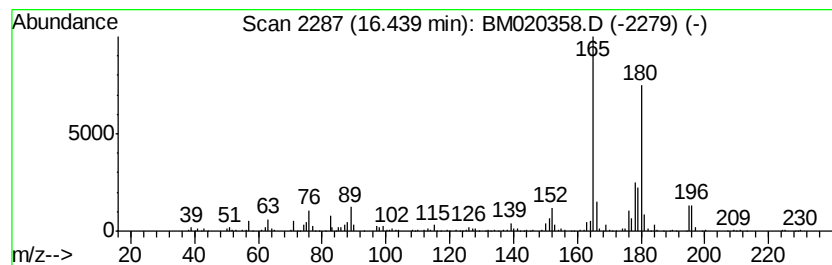
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Quant Title : SVOA CALIBRATION

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

Peak Number 20 9H-Fluorene, 1-methyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.44	21.24 ng/ul	878898	Phenanthrene-d10	17.14

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	96
2			9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	96
3			9H-Fluorene, 3-methyl-	180	C14H12	002523-39-9	93
4			9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	93
5			9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	90



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM051719\
Data File : BM020358.D
Acq On : 17 May 2019 10:57
Operator : JU/SJ
Sample : K2604-04ME
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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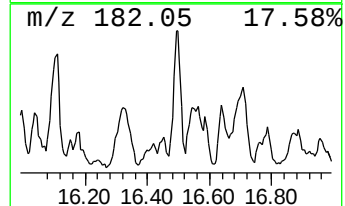
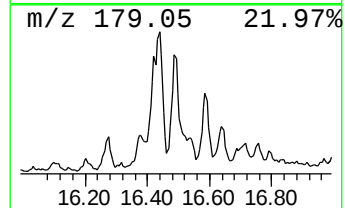
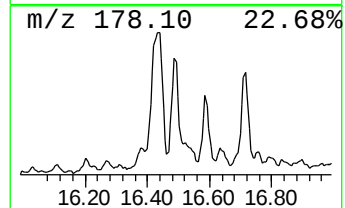
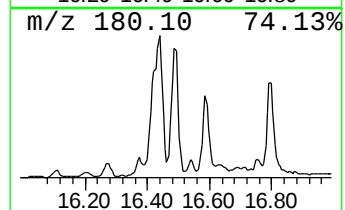
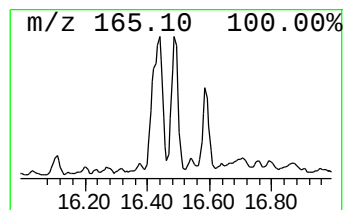
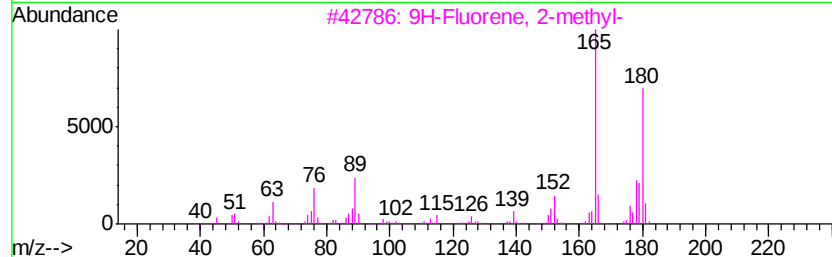
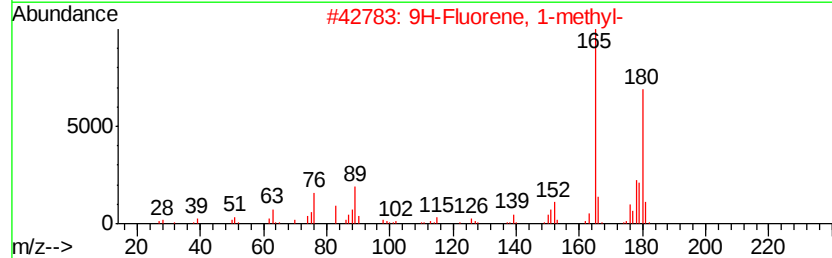
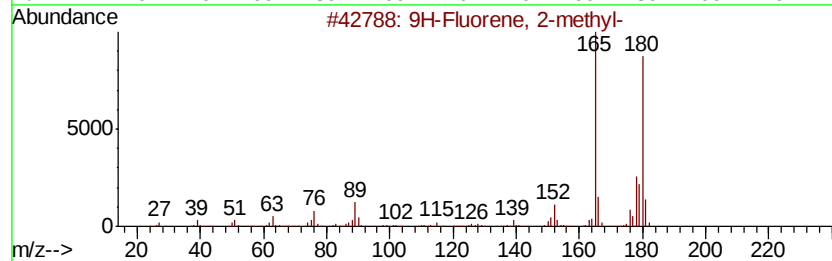
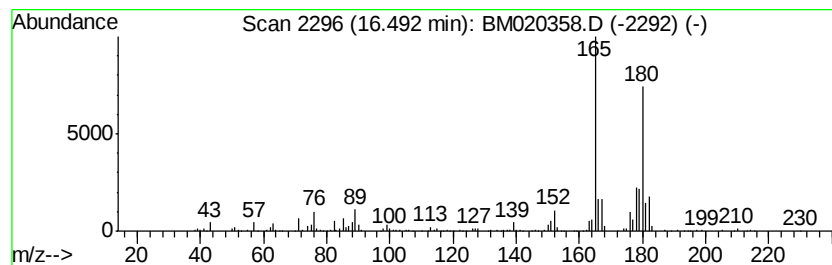
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Quant Title : SVOA CALIBRATION

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

Peak Number 21 9H-Fluorene, 2-methyl- Concentration Rank 28

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.49	12.26 ng/ul	507194	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	95
3		9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	95
4		9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	95
5		9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	94



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM051719\
Data File : BM020358.D
Acq On : 17 May 2019 10:57
Operator : JU/SJ
Sample : K2604-04ME
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
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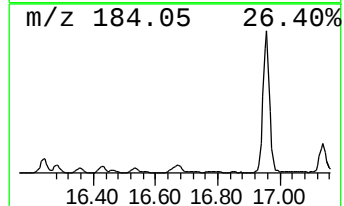
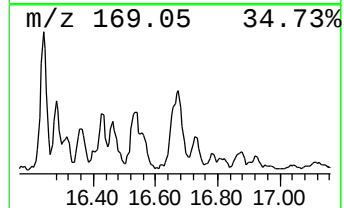
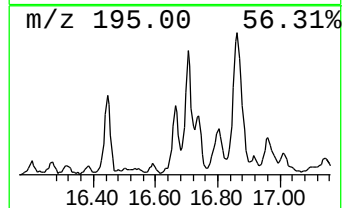
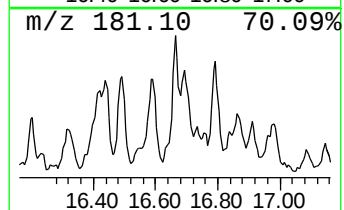
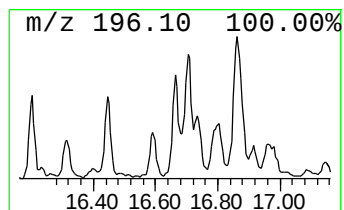
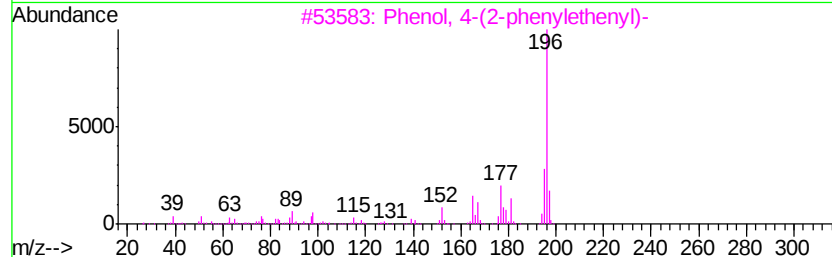
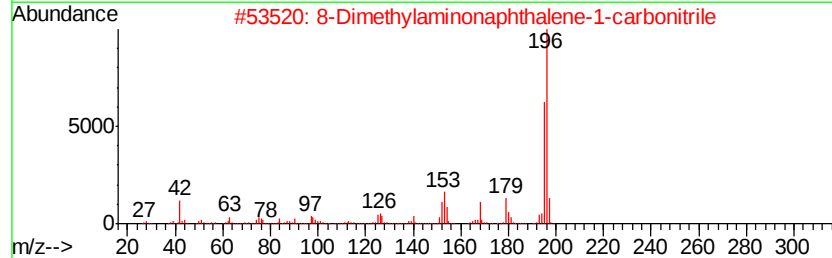
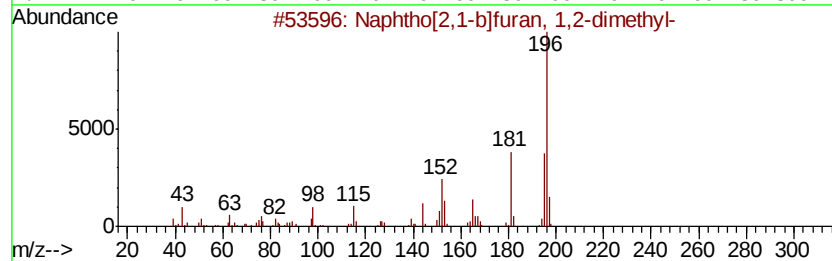
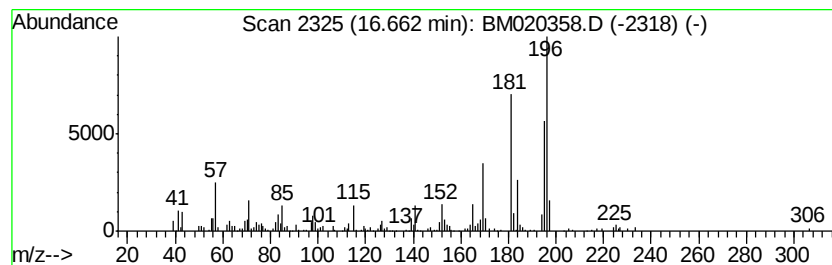
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Quant Title : SVOA CALIBRATION

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

Peak Number 23 Naphtho[2,1-b]furan, 1,2-di... Concentration Rank 41

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.66	7.19 ng/ul	297578	Phenanthrene-d10	17.14

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphtho[2,1-b]furan, 1,2-dimethyl-	196	C14H12O	129812-23-3	68
2		8-Dimethylaminonaphthalene-1-car...	196	C13H12N2	128644-69-9	53
3		Phenol, 4-(2-phenylethenyl)-	196	C14H12O	003839-46-1	49
4		Benzene, 1,1'-methylenebis[4-met...	196	C15H16	004957-14-6	49
5		Phenol, 4-(2-phenylethenyl)-, (E)-	196	C14H12O	006554-98-9	49



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM051719\
Data File : BM020358.D
Acq On : 17 May 2019 10:57
Operator : JU/SJ
Sample : K2604-04ME
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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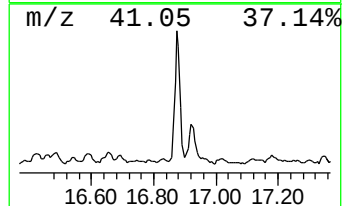
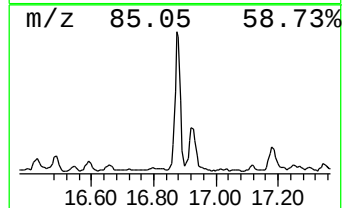
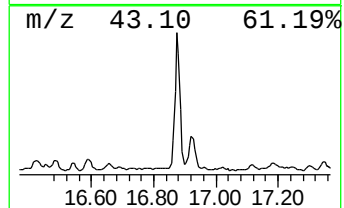
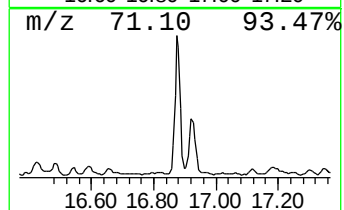
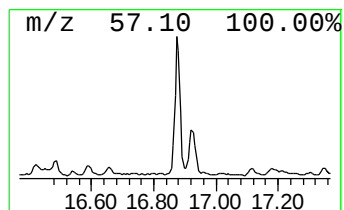
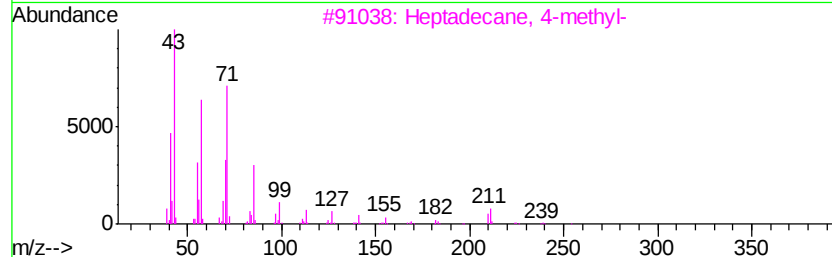
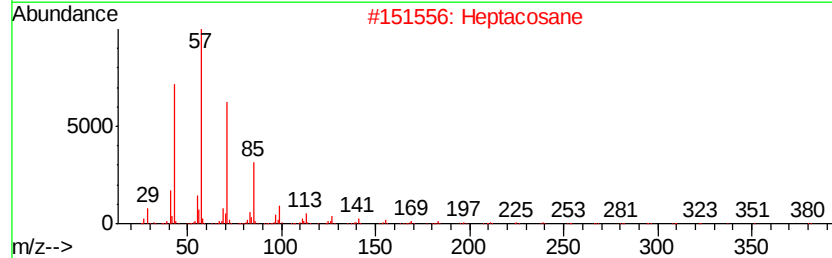
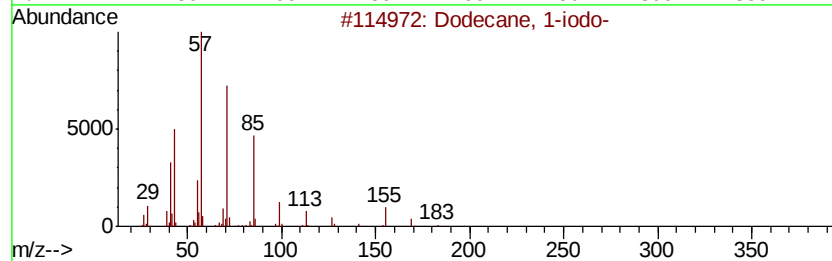
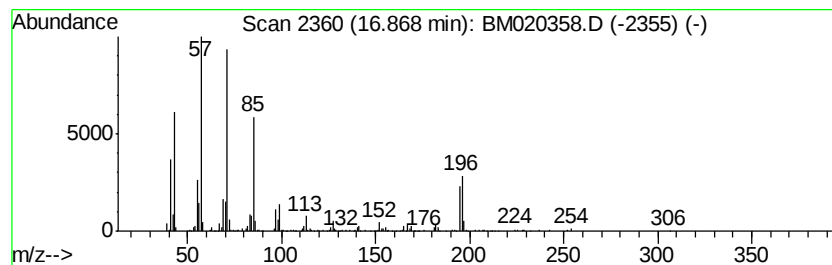
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Quant Title : SVOA CALIBRATION

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

Peak Number 24 Dodecane, 1-iodo- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.87	26.39 ng/ul	1092090	Phenanthrene-d10	17.14

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Dodecane, 1-iodo-	296	C12H25I	004292-19-7	83
2		Heptacosane	380	C27H56	000593-49-7	64
3		Heptadecane, 4-methyl-	254	C18H38	026429-11-8	53
4		Tetradecane	198	C14H30	000629-59-4	46
5		Eicosane	282	C20H42	000112-95-8	46



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM051719\
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Acq On : 17 May 2019 10:57
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Misc :
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Instrument :
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ClientSampleId :
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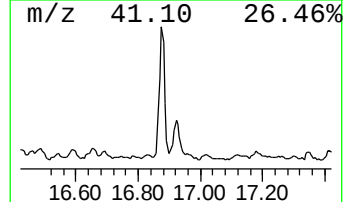
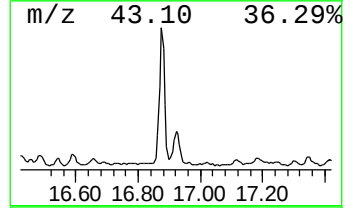
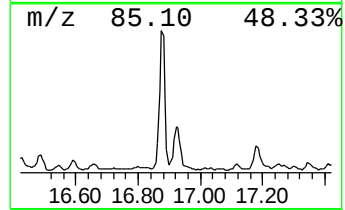
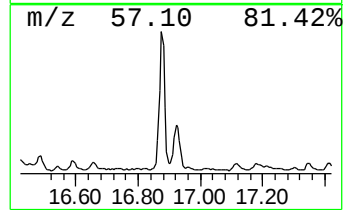
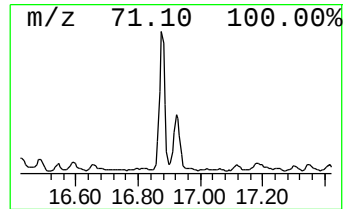
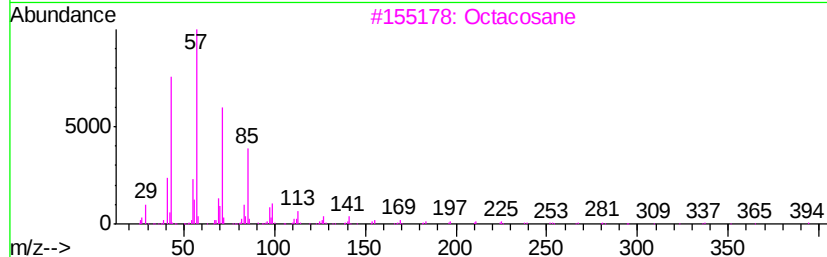
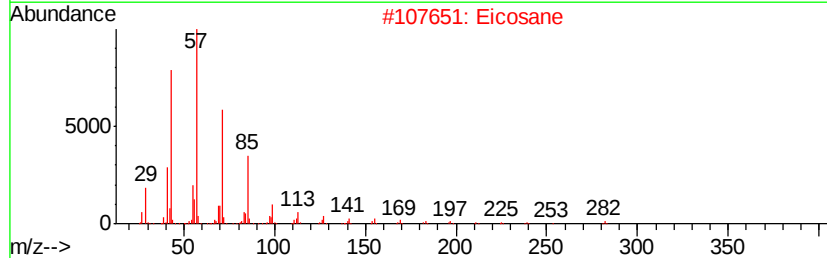
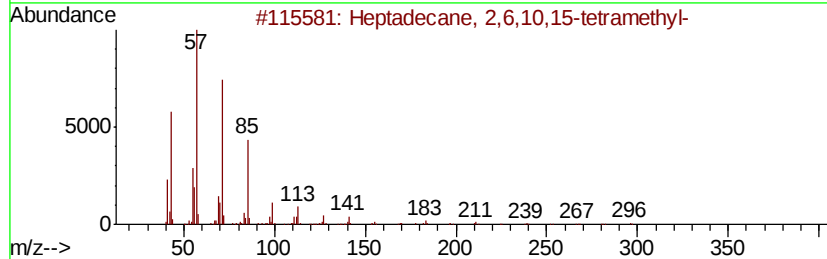
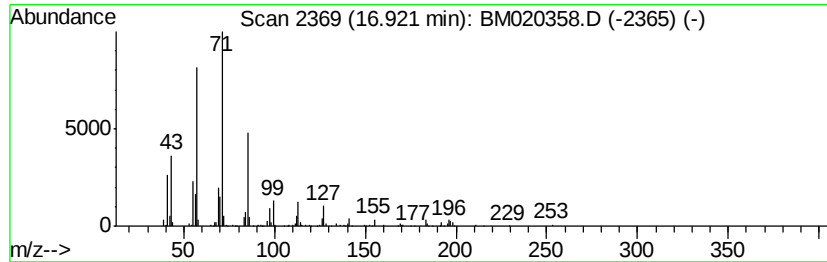
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Quant Title : SVOA CALIBRATION

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

Peak Number 25 (DEL) Alkane: Straight-Chai... Concentration Rank 36

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.92	9.90 ng/ul	409618	Phenanthrene-d10	17.14

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Heptadecane, 2,6,10,15-tetramethyl-	296	C21H44	054833-48-6	80
2		Eicosane	282	C20H42	000112-95-8	80
3		Octacosane	394	C28H58	000630-02-4	72
4		Dodecane, 2,6,10-trimethyl-	212	C15H32	003891-98-3	72
5		Tridecane	184	C13H28	000629-50-5	70



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM051719\
Data File : BM020358.D
Acq On : 17 May 2019 10:57
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Misc :
ALS Vial : 5 Sample Multiplier: 1

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ClientSampleId :
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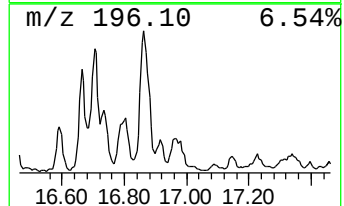
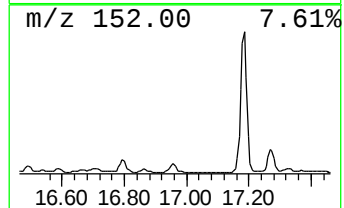
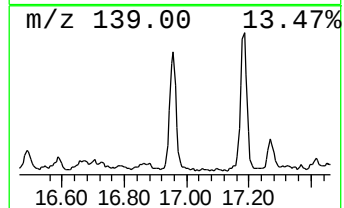
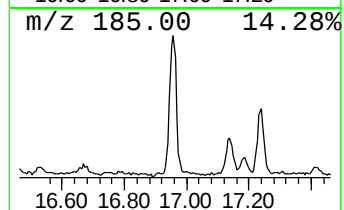
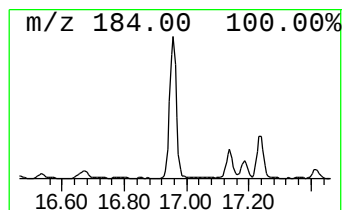
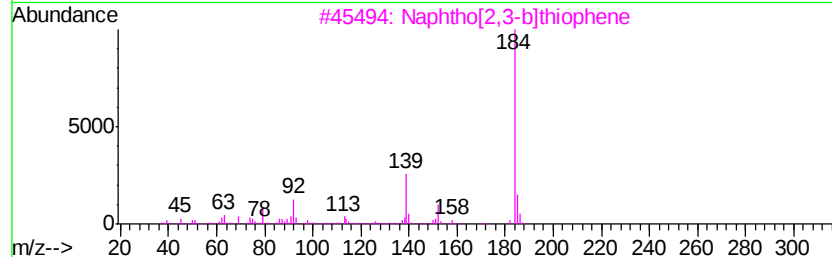
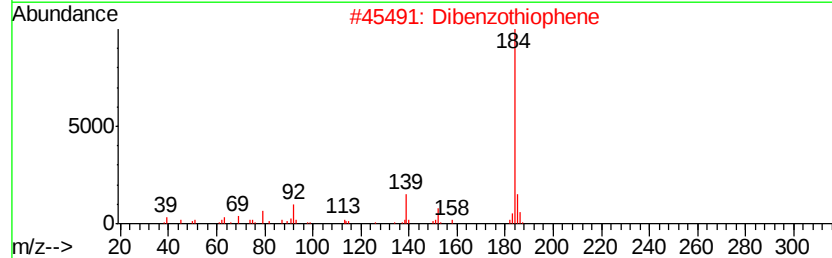
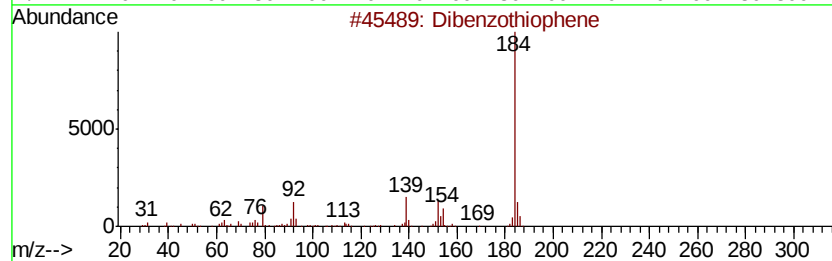
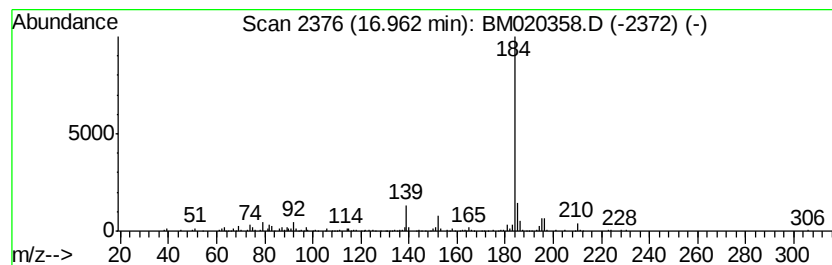
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Quant Title : SVOA CALIBRATION

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

Peak Number 26 Dibenzothiophene Concentration Rank 27

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.96	12.77 ng/ul	528486	Phenanthrene-d10	17.14

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Dibenzothiophene	184	C12H8S	000132-65-0	91
2		Dibenzothiophene	184	C12H8S	000132-65-0	91
3		Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	91
4		Dibenzothiophene	184	C12H8S	000132-65-0	87
5		Azuleno(2,1-b)thiophene	184	C12H8S	000248-13-5	80



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM051719\
Data File : BM020358.D
Acq On : 17 May 2019 10:57
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Sample : K2604-04ME
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
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ClientSampleId :
GAJ78ME

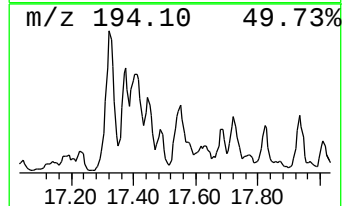
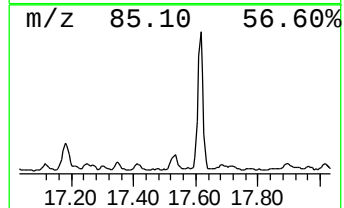
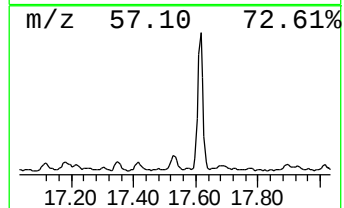
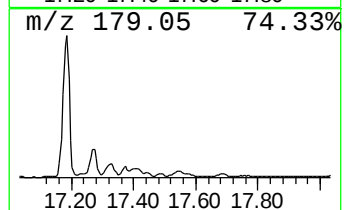
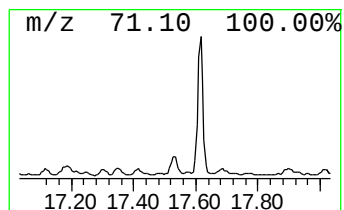
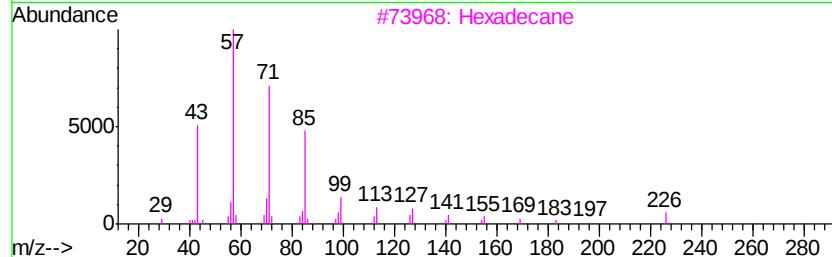
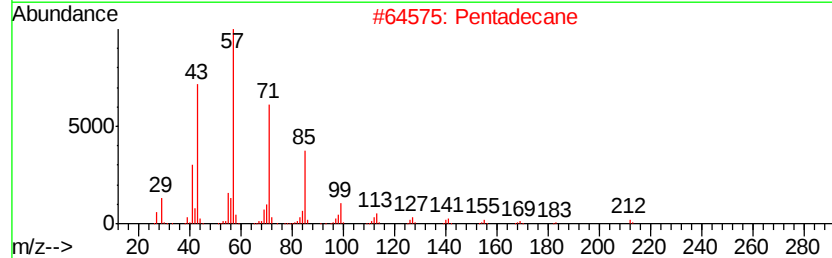
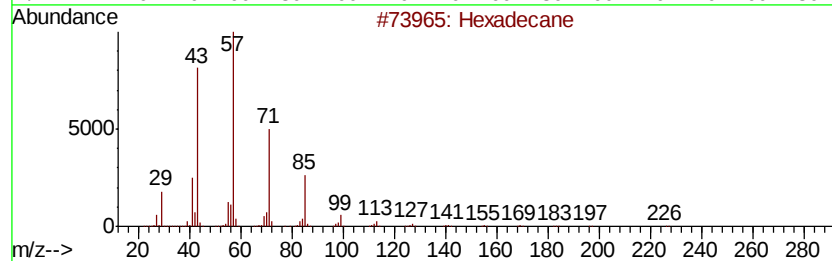
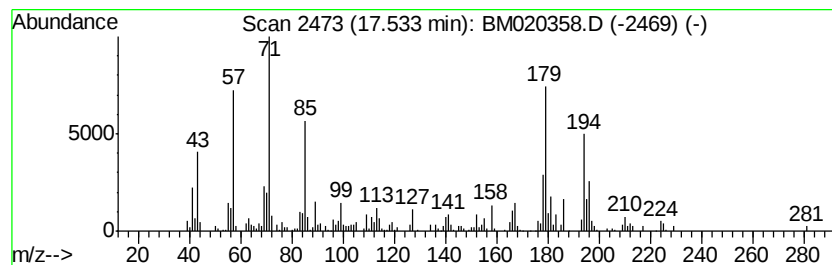
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Quant Title : SVOA CALIBRATION

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

Peak Number 27 (DEL) Alkane: Straight-Chai... Concentration Rank 40

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.53	7.33 ng/ul	303178	Phenanthrene-d10	17.14

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Hexadecane	226	C16H34	000544-76-3	38
2		Pentadecane	212	C15H32	000629-62-9	30
3		Hexadecane	226	C16H34	000544-76-3	30
4		Heptadecane, 2,6,10,15-tetramethyl-	296	C21H44	054833-48-6	30
5		Nonacosane	408	C29H60	000630-03-5	30



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM051719\
Data File : BM020358.D
Acq On : 17 May 2019 10:57
Operator : JU/SJ
Sample : K2604-04ME
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
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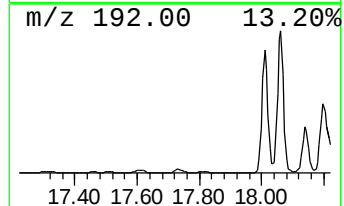
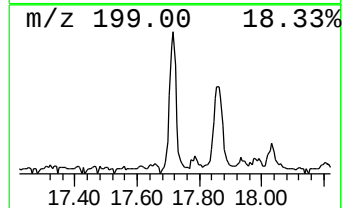
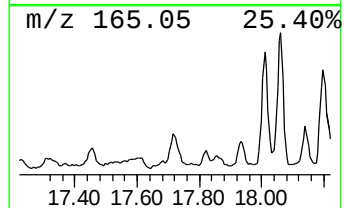
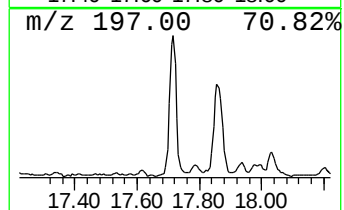
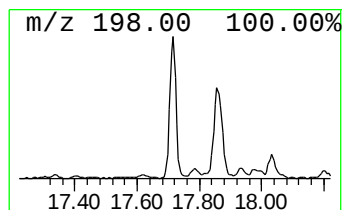
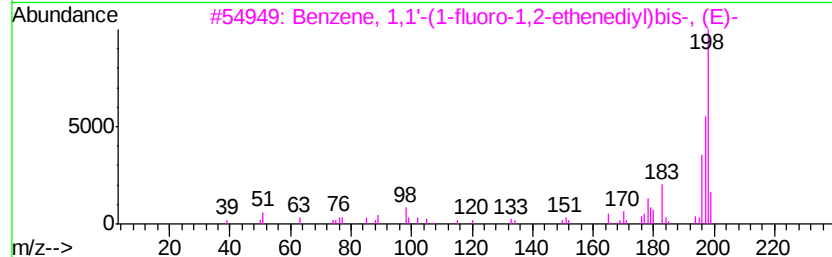
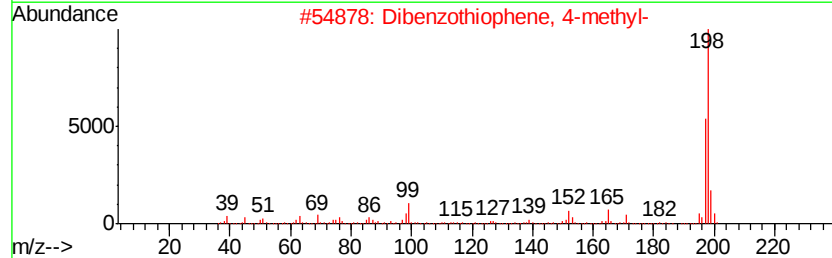
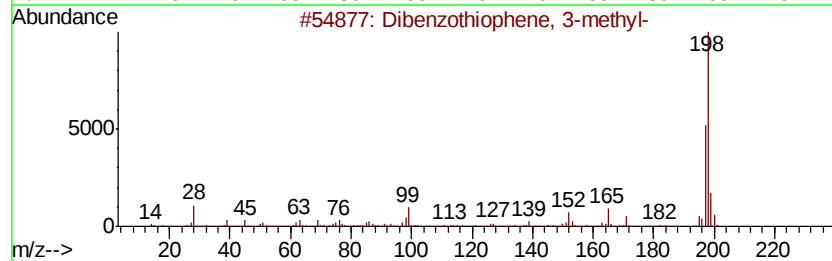
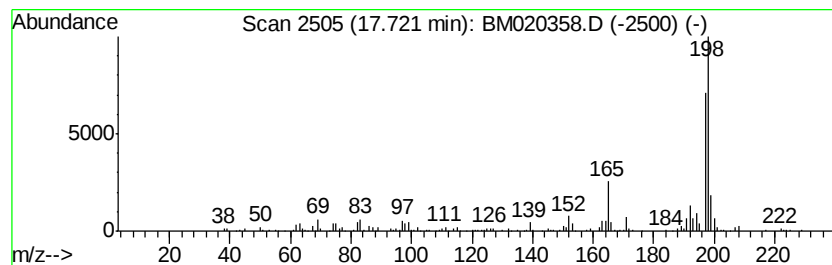
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Quant Title : SVOA CALIBRATION

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

Peak Number 29 Dibenzothiophene, 3-methyl- Concentration Rank 39

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.72	8.31 ng/ul	343833	Phenanthrene-d10	17.14

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Dibenzothiophene, 3-methyl-	198	C13H10S	016587-52-3	81
2			Dibenzothiophene, 4-methyl-	198	C13H10S	007372-88-5	81
3			Benzene, 1,1'-(1-fluoro-1,2-ethe...	198	C14H11F	000671-19-2	64
4			Benzenamine, 4,4'-methylenebis-	198	C13H14N2	000101-77-9	59
5			Thioxanthene	198	C13H10S	000261-31-4	58



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM051719\
Data File : BM020358.D
Acq On : 17 May 2019 10:57
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Sample : K2604-04ME
Misc :
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Instrument :
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ClientSampleId :
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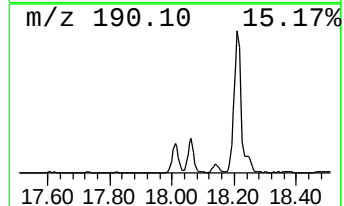
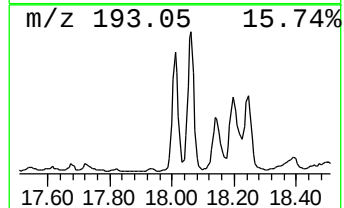
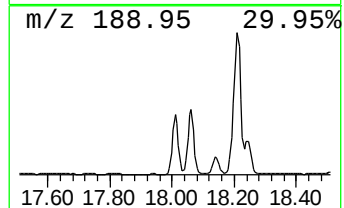
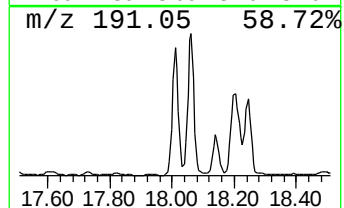
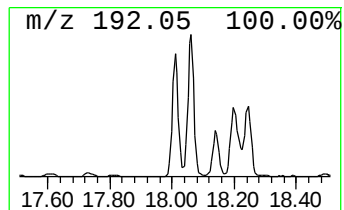
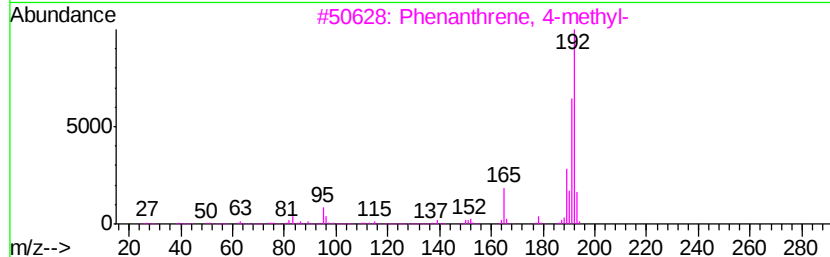
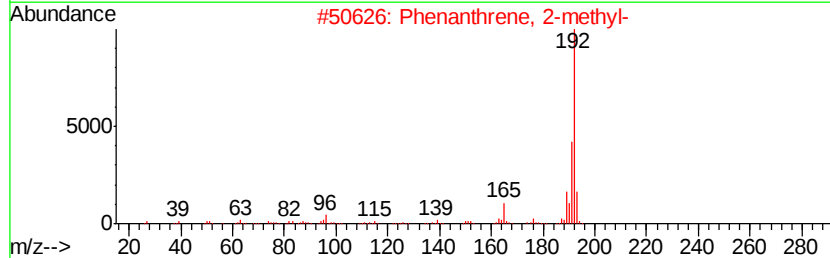
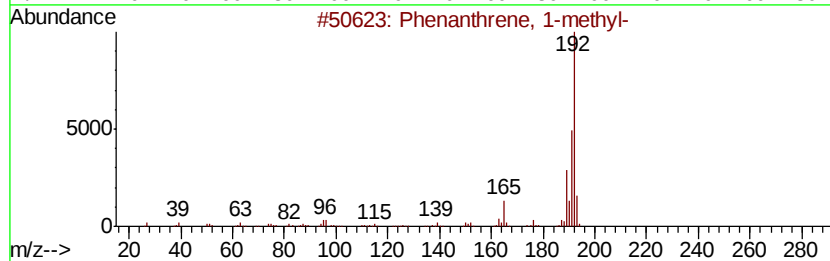
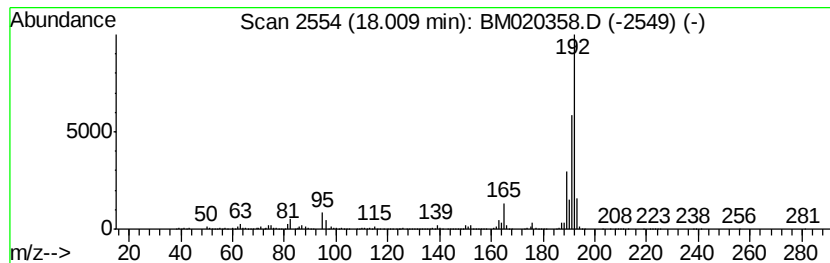
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Quant Title : SVOA CALIBRATION

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

Peak Number 30 Phenanthrene, 1-methyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.01	38.08 ng/ul	1575850	Phenanthrene-d10	17.14

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	97
2		Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
3		Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	96
4		Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
5		Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	95



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM051719\
Data File : BM020358.D
Acq On : 17 May 2019 10:57
Operator : JU/SJ
Sample : K2604-04ME
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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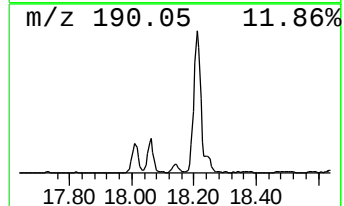
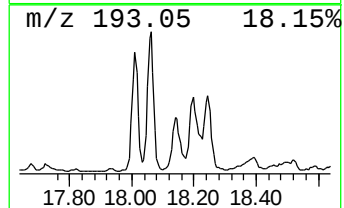
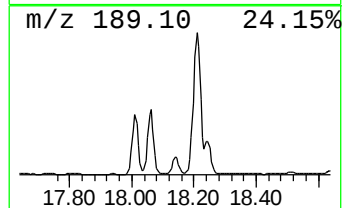
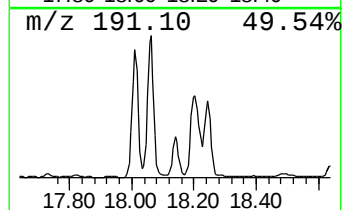
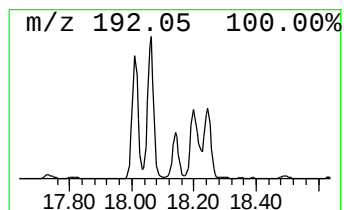
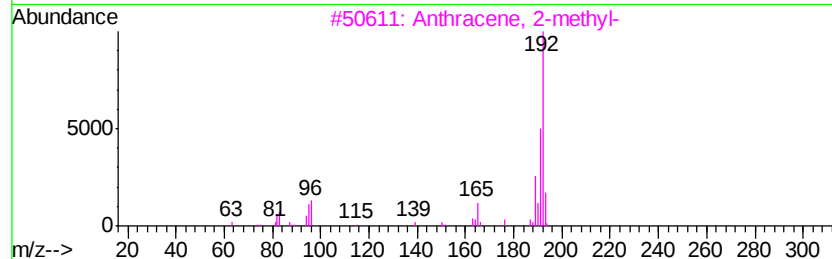
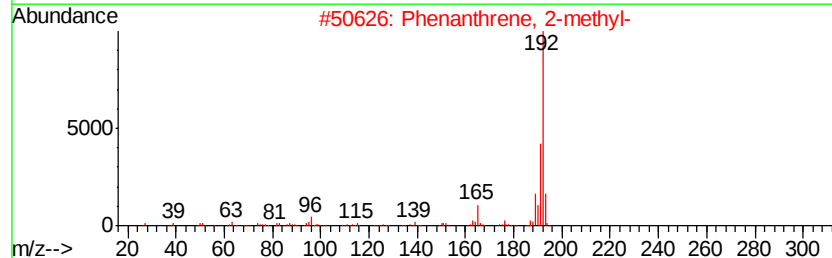
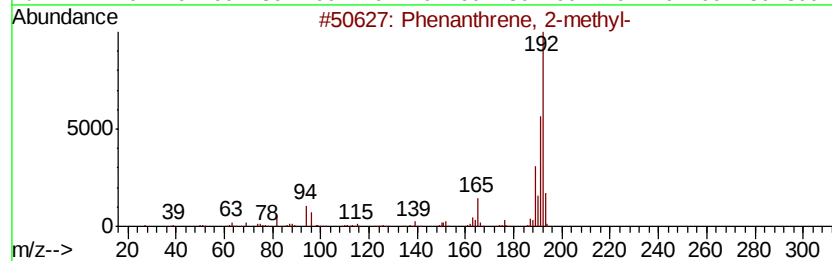
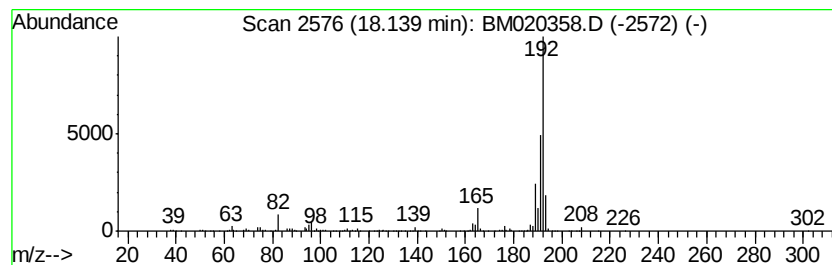
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Quant Title : SVOA CALIBRATION

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

Peak Number 32 Phenanthrene, 2-methyl- Concentration Rank 25

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.14	14.02 ng/ul	580267	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		Anthracene, 2-methyl-	192	C15H12	000613-12-7	95
4		Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	95
5		1H-Cyclopropa[1]phenanthrene, 1a,...	192	C15H12	000949-41-7	93



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM051719\
Data File : BM020358.D
Acq On : 17 May 2019 10:57
Operator : JU/SJ
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Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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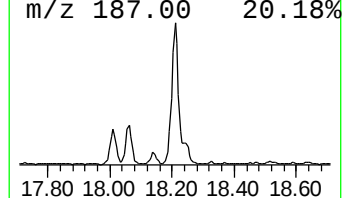
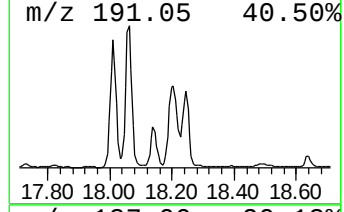
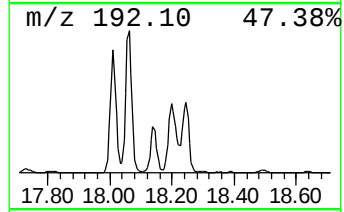
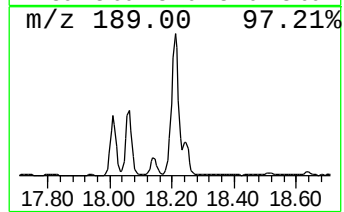
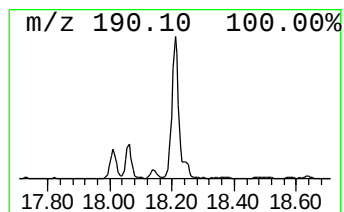
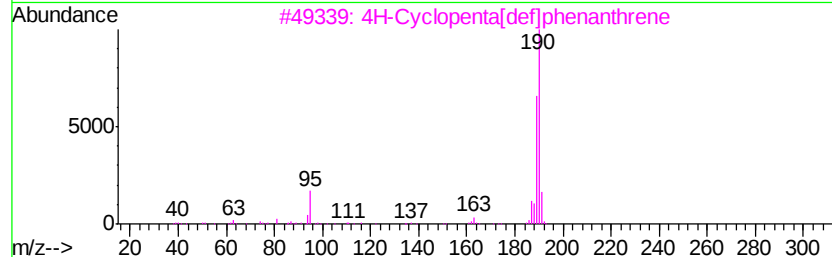
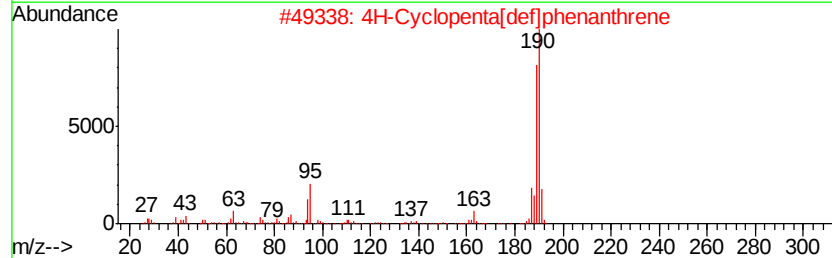
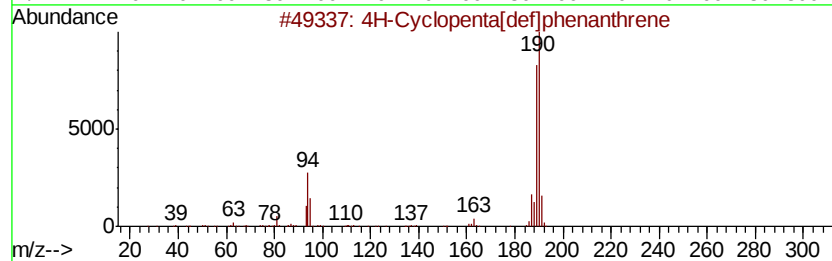
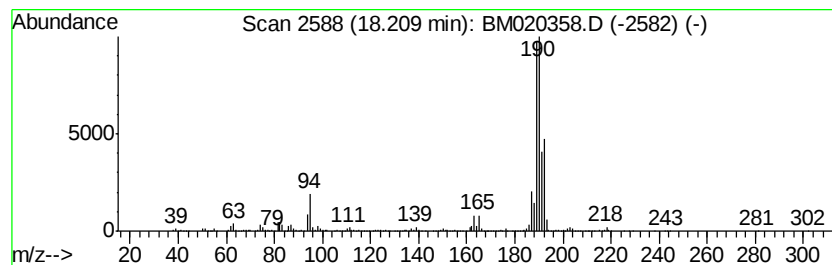
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Quant Title : SVOA CALIBRATION

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

Peak Number 33 4H-Cyclopenta[def]phenanthrene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.21	53.10 ng/ul	2197330	Phenanthrene-d10	17.14

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	93
2		4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	60
3		4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	52
4		Methyl diselenide	190	C2H6Se2	007101-31-7	45
5		2,3,5,6-Tetramethylterephthalald...	190	C12H14O2	007072-01-7	43



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM051719\
Data File : BM020358.D
Acq On : 17 May 2019 10:57
Operator : JU/SJ
Sample : K2604-04ME
Misc :
ALS Vial : 5 Sample Multiplier: 1

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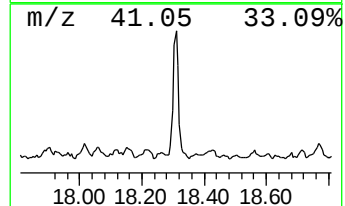
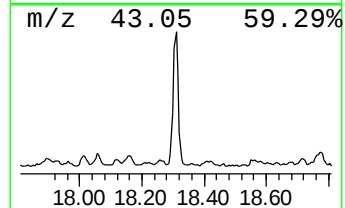
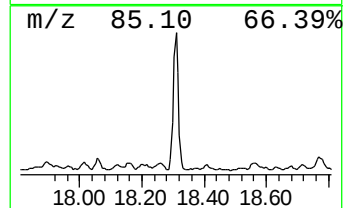
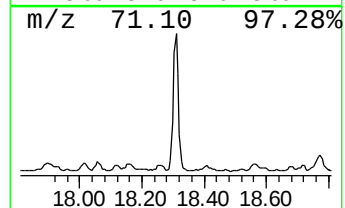
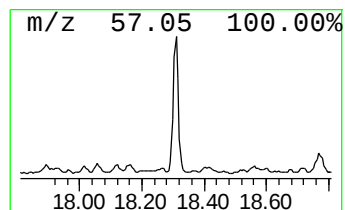
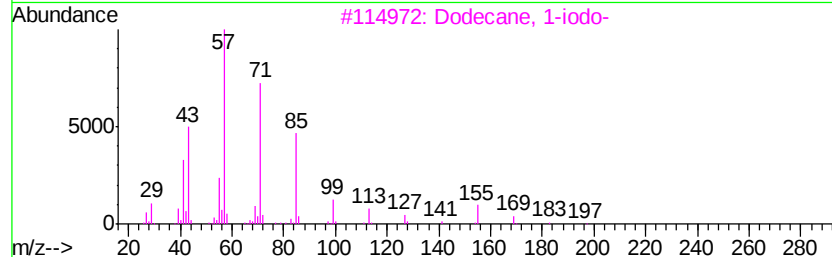
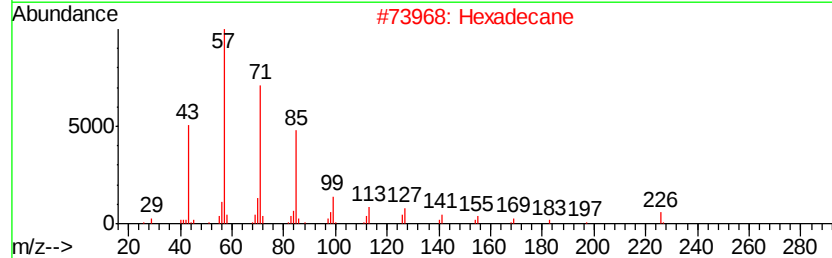
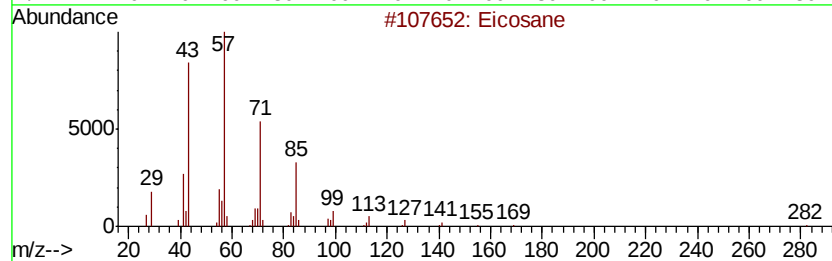
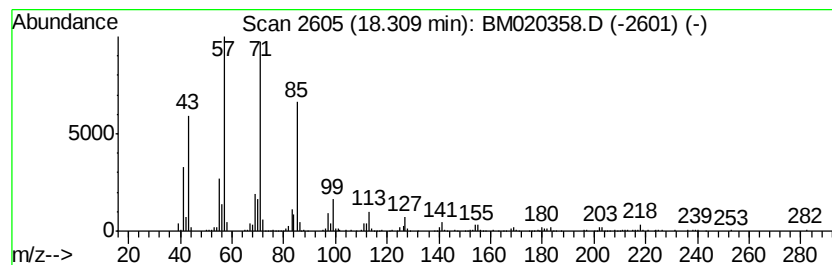
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Quant Title : SVOA CALIBRATION

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

Peak Number 35 (DEL) Alkane: Straight-Chai... Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.31	15.74 ng/ul	651511	Phenanthrene-d10	17.14

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Eicosane	282	C20H42	000112-95-8	91
2			Hexadecane	226	C16H34	000544-76-3	86
3			Dodecane, 1-iodo-	296	C12H25I	004292-19-7	86
4			Heptacosane	380	C27H56	000593-49-7	83
5			Hexadecane, 3-methyl-	240	C17H36	006418-43-5	76



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM051719\
Data File : BM020358.D
Acq On : 17 May 2019 10:57
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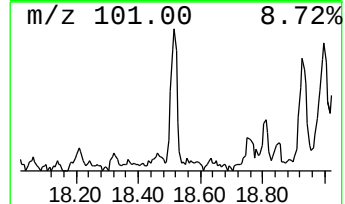
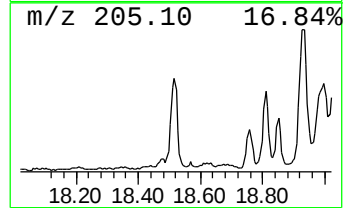
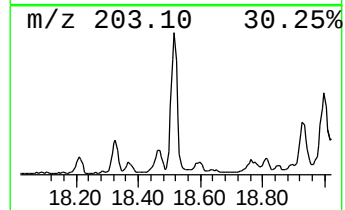
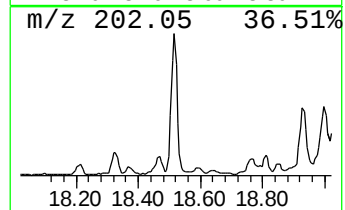
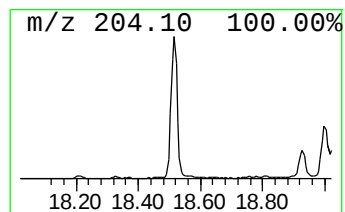
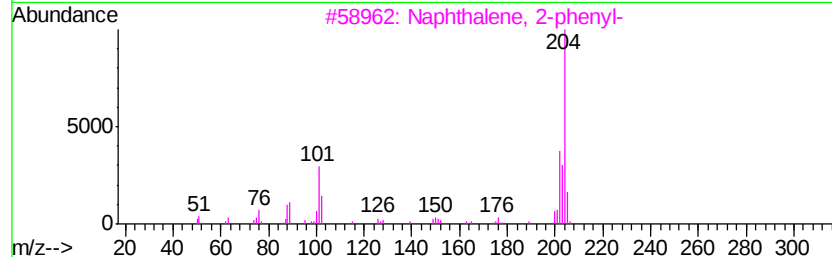
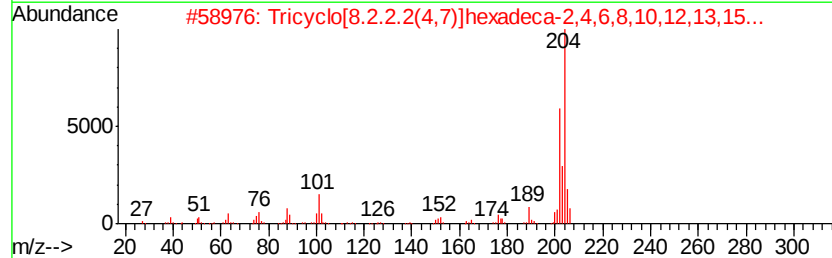
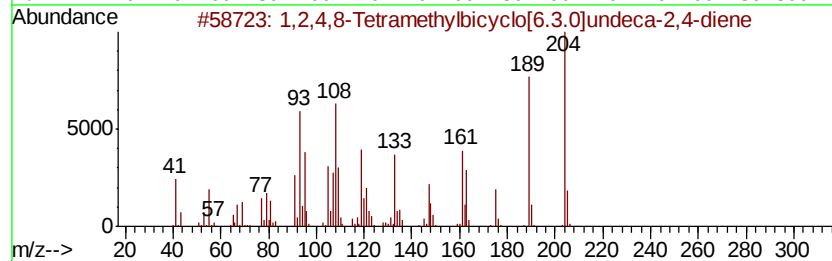
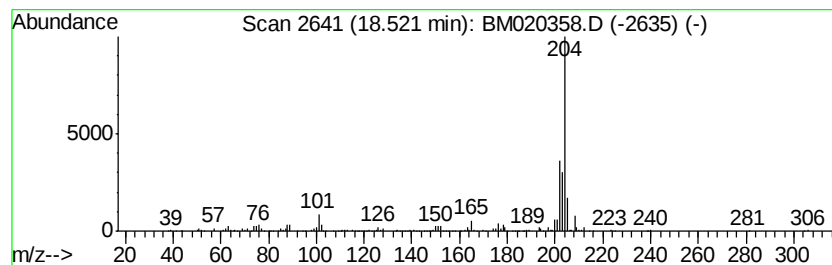
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Quant Title : SVOA CALIBRATION

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

Peak Number 36 1,2,4,8-Tetramethylbicyclo[...] Concentration Rank 26

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.52	13.88 ng/ul	574422	Phenanthrene-d10	17.14

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	1,2,4,8-Tetramethylbicyclo[6.3.0]undeca-2,4-diene	204	C15H24	137235-51-9	86
2		Tricyclo[8.2.2.2(4,7)]hexadeca-2,4,6,8,10,12,13,15-octaene	204	C16H12	006572-60-7	76
3		Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	76
4		2-Phenyl-naphthalene	204	C16H12	035465-71-5	70
5		Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	64



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM051719\
Data File : BM020358.D
Acq On : 17 May 2019 10:57
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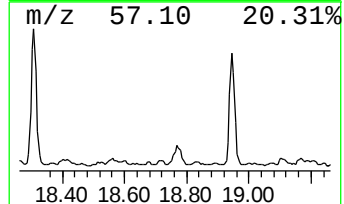
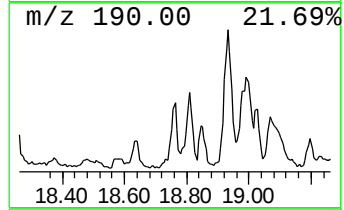
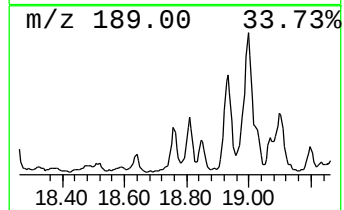
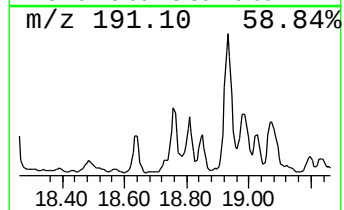
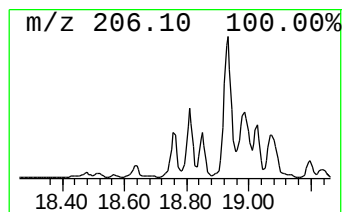
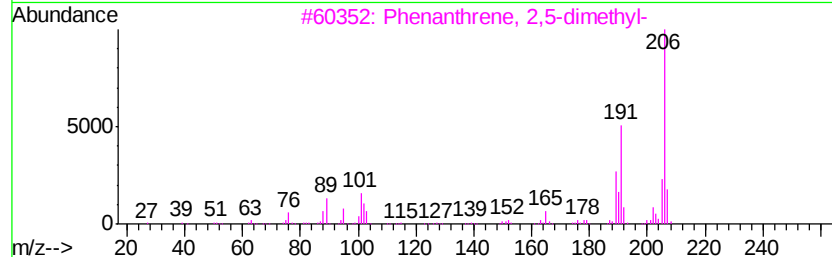
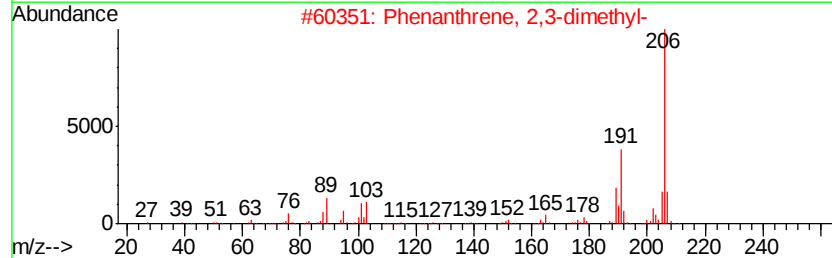
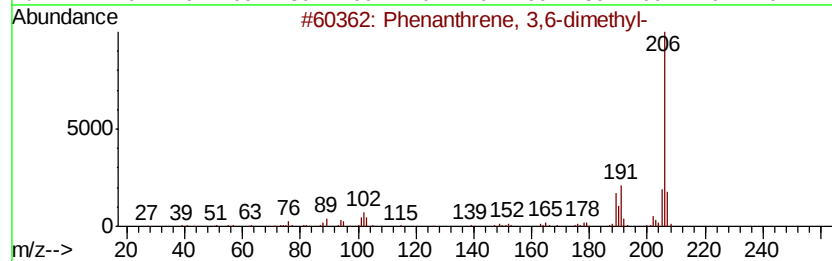
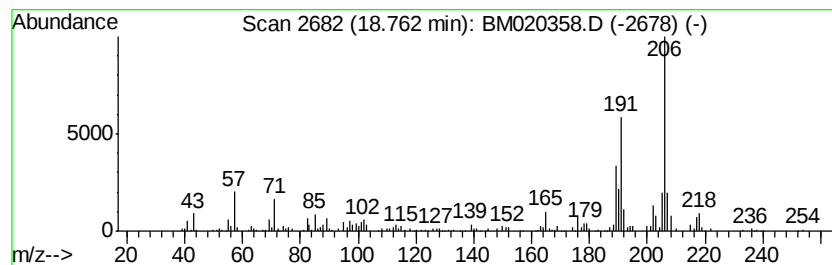
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Quant Title : SVOA CALIBRATION

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

Peak Number 37 Phenanthrene, 3,6-dimethyl- Concentration Rank 33

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.76	10.34 ng/ul	427927	Phenanthrene-d10	17.14

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	94
2		Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	93
3		Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	93
4		Anthracene, 2-ethyl-	206	C16H14	052251-71-5	86
5		9,10-Dimethylantracene	206	C16H14	000781-43-1	81



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM051719\
Data File : BM020358.D
Acq On : 17 May 2019 10:57
Operator : JU/SJ
Sample : K2604-04ME
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
GAJ78ME

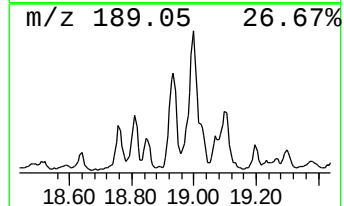
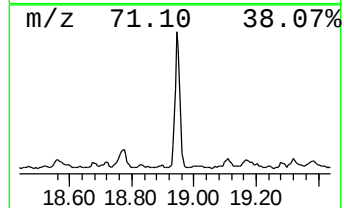
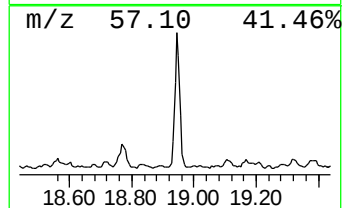
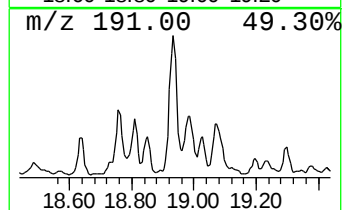
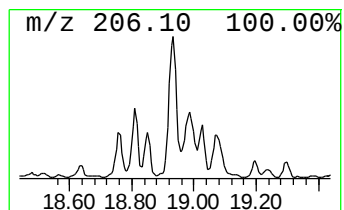
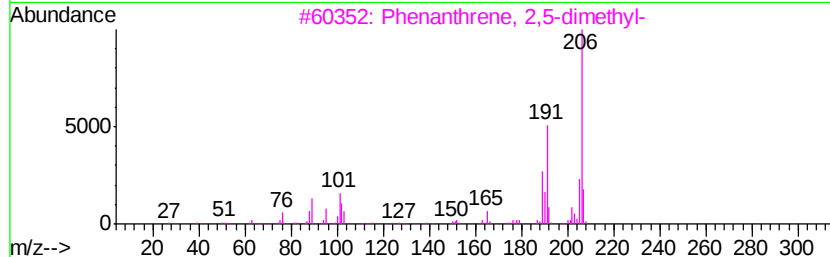
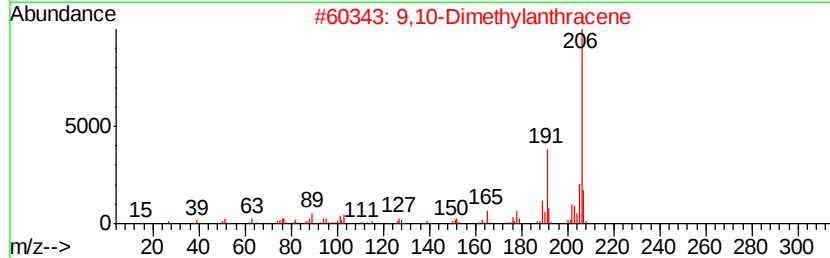
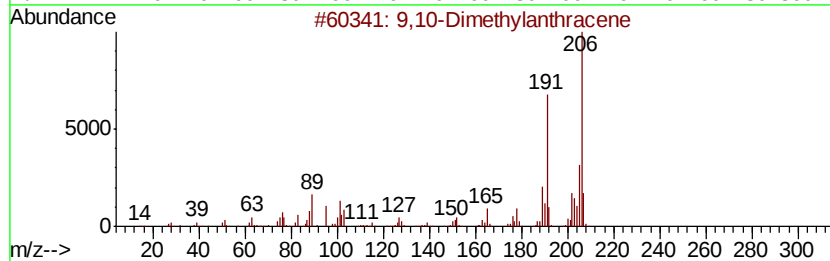
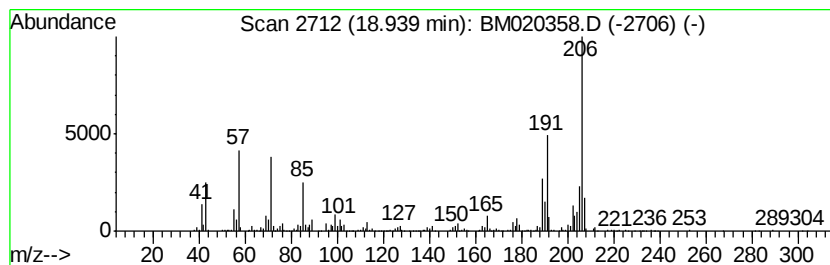
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Quant Title : SVOA CALIBRATION

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

Peak Number 38 9,10-Dimethylantracene Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.94	32.63 ng/ul	1350130	Phenanthrene-d10	17.14

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	9,10-Dimethylantracene	206	C16H14	000781-43-1	96
2		9,10-Dimethylantracene	206	C16H14	000781-43-1	90
3		Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	83
4		9,10-Dimethylantracene	206	C16H14	000781-43-1	83
5		Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	70



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM051719\
Data File : BM020358.D
Acq On : 17 May 2019 10:57
Operator : JU/SJ
Sample : K2604-04ME
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
GAJ78ME

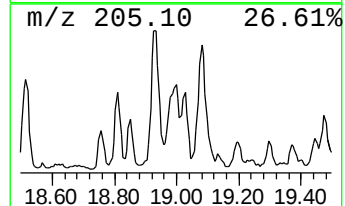
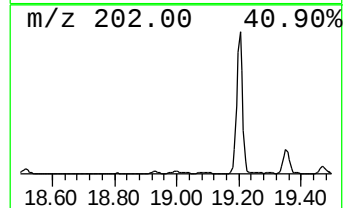
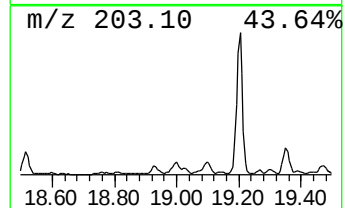
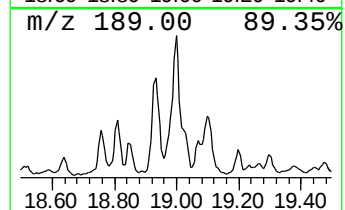
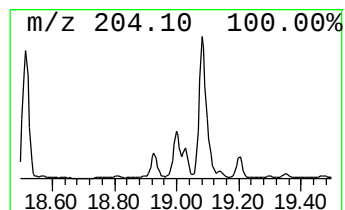
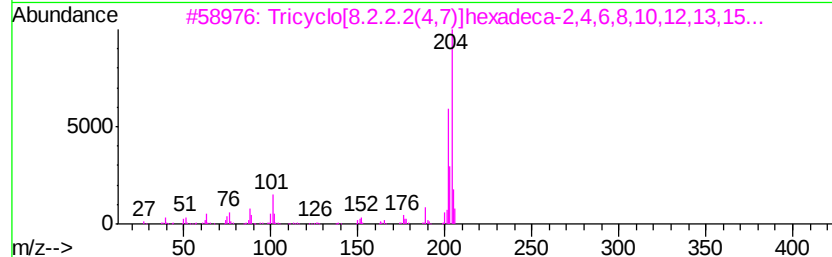
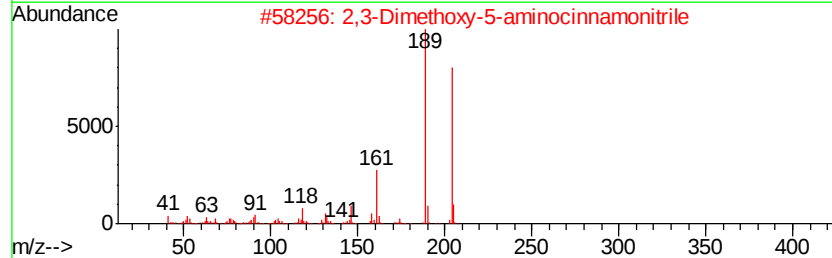
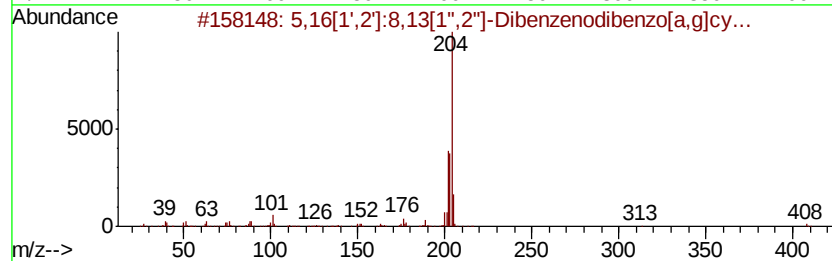
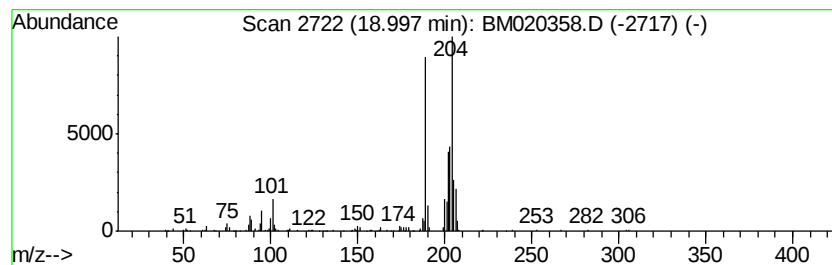
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Quant Title : SVOA CALIBRATION

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

Peak Number 39 unknown-02 Concentration Rank 23

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.00	14.50 ng/ul	600156	Phenanthrene-d10	17.14

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	5,16[1',2']: ^{8,13} [1'',2'']-Dibenz...	408	C32H24	005672-97-9	47
2		2,3-Dimethoxy-5-aminocinnamitrile	204	C11H12N2O2	1000214-46-5	43
3		Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	43
4		Acephenanthrylene, 4,5-dihydro-	204	C16H12	006232-48-0	41
5		2-Phenylnaphthalene	204	C16H12	035465-71-5	41



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM051719\
Data File : BM020358.D
Acq On : 17 May 2019 10:57
Operator : JU/SJ
Sample : K2604-04ME
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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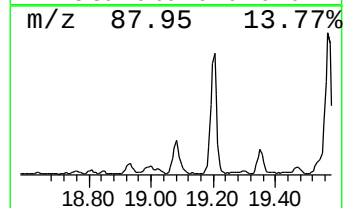
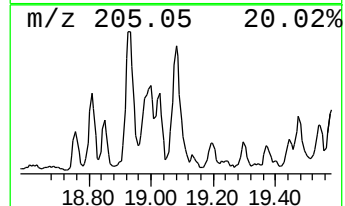
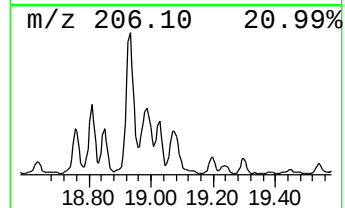
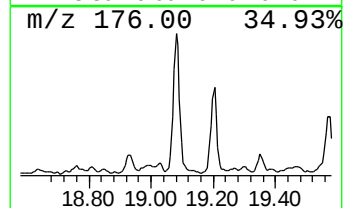
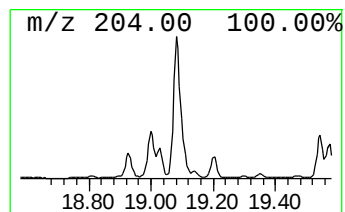
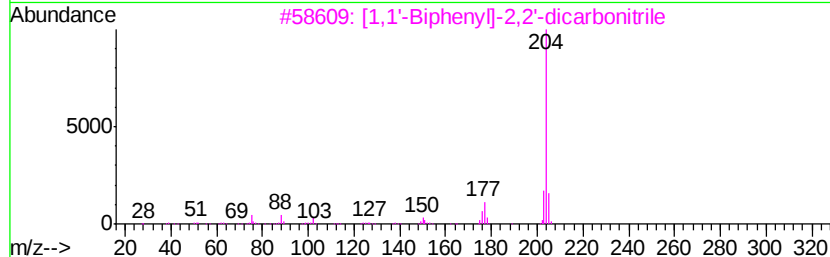
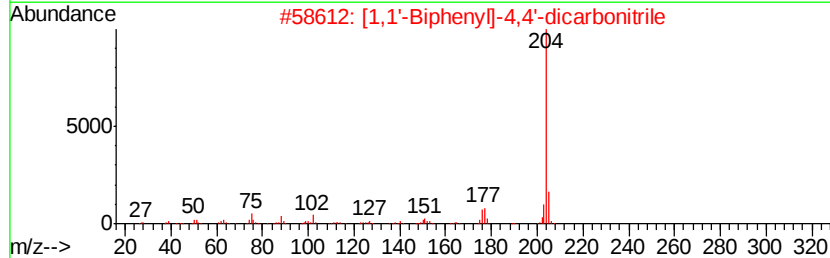
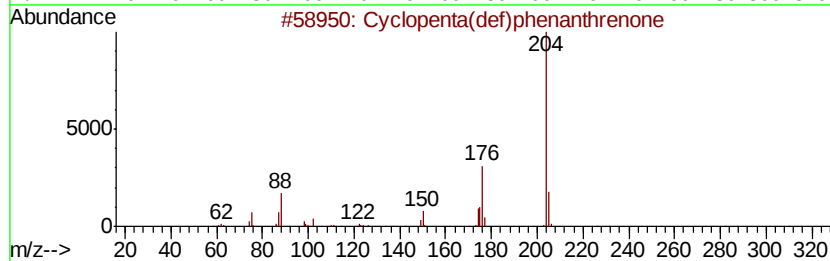
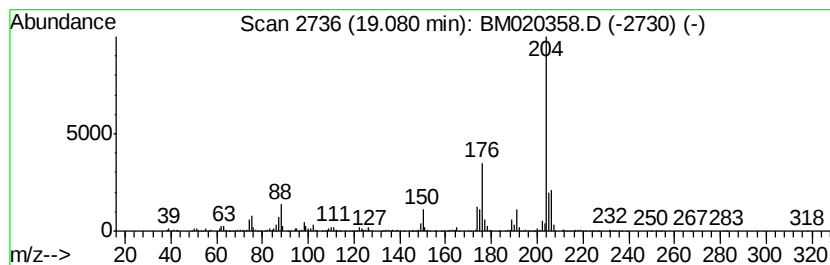
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Quant Title : SVOA CALIBRATION

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

Peak Number 40 Cyclopenta(def)phenanthrenone Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.08	26.67 ng/ul	1103740	Phenanthrene-d10	17.14

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	96
2		[1,1'-Biphenyl]-4,4'-dicarbonitrile	204	C14H8N2	001591-30-6	58
3		[1,1'-Biphenyl]-2,2'-dicarbonitrile	204	C14H8N2	004341-02-0	50
4		1,2,4,8-Tetramethylbicyclo[6.3.0]non-2-ene	204	C15H24	137235-51-9	49
5		Acephenanthrylene, 4,5-dihydro-	204	C16H12	006232-48-0	43



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM051719\
Data File : BM020358.D
Acq On : 17 May 2019 10:57
Operator : JU/SJ
Sample : K2604-04ME
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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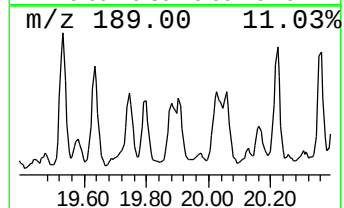
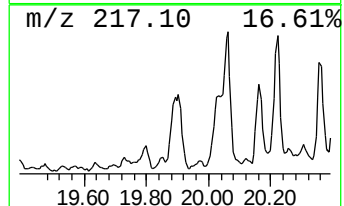
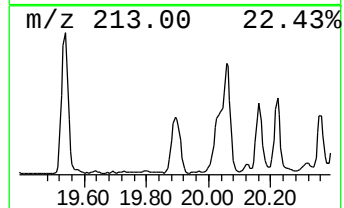
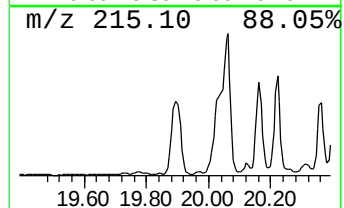
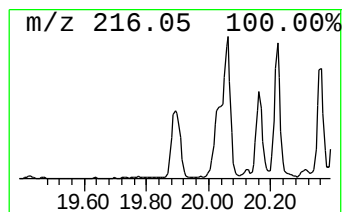
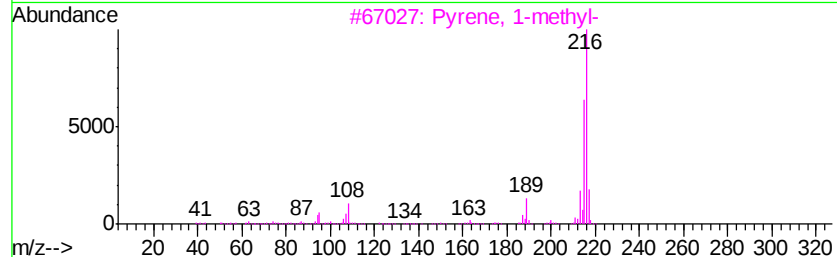
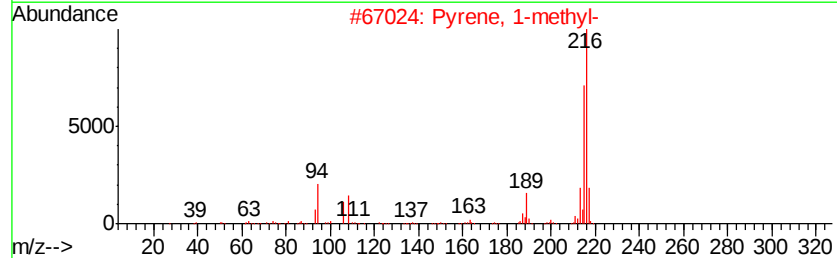
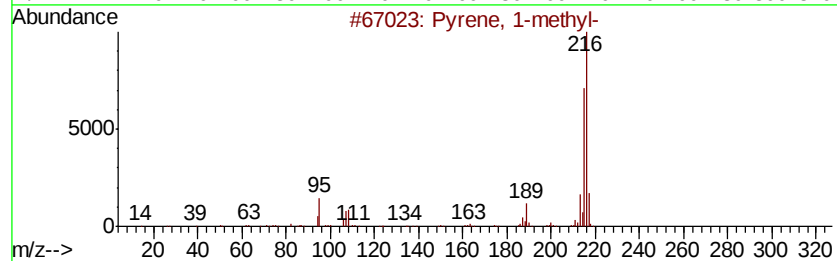
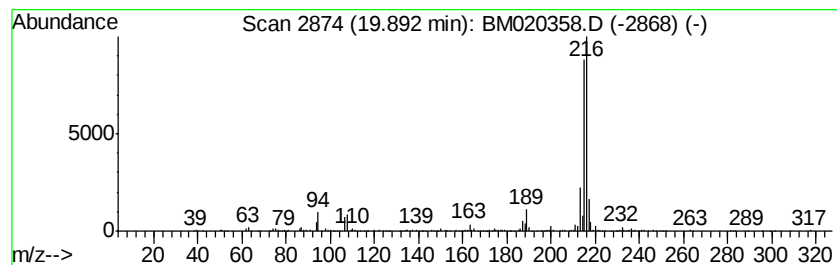
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Quant Title : SVOA CALIBRATION

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

Peak Number 42 Pyrene, 1-methyl- Concentration Rank 46

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.89	4.90 ng/ul	1020050	Chrysene-d12	21.33

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Pyrene, 1-methyl-	216	C17H12	002381-21-7	94
2		Pyrene, 1-methyl-	216	C17H12	002381-21-7	93
3		Pyrene, 1-methyl-	216	C17H12	002381-21-7	91
4		11H-Benzo[blfluorene	216	C17H12	000243-17-4	91
5		Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	91



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM051719\
Data File : BM020358.D
Acq On : 17 May 2019 10:57
Operator : JU/SJ
Sample : K2604-04ME
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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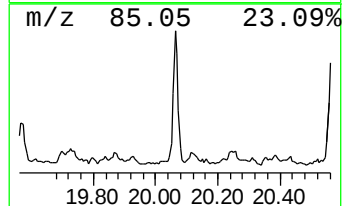
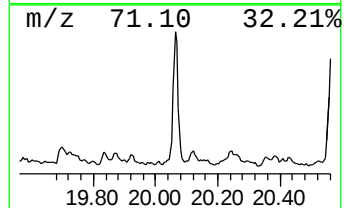
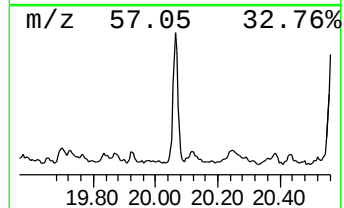
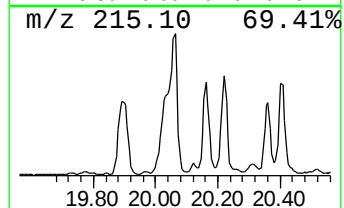
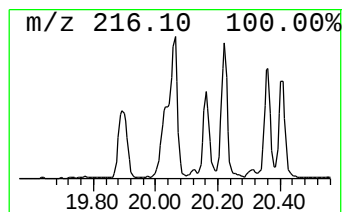
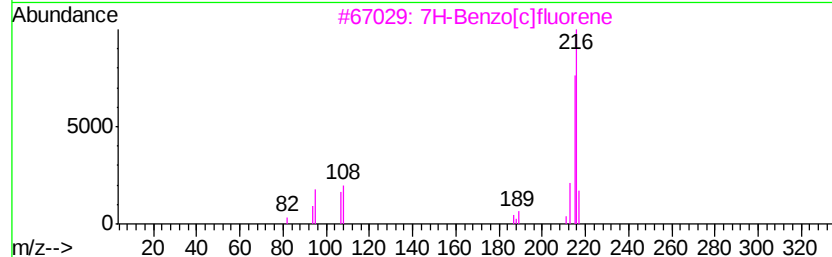
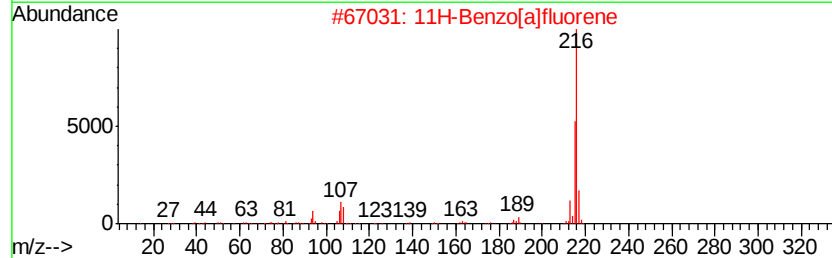
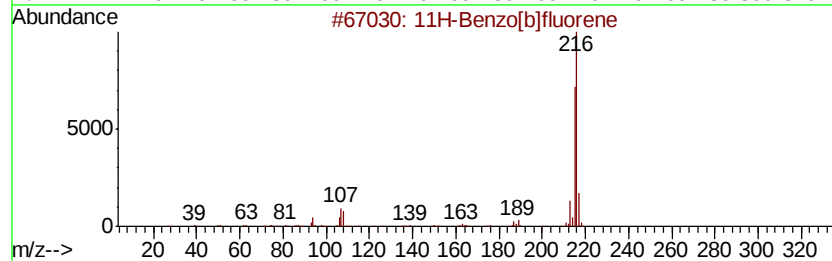
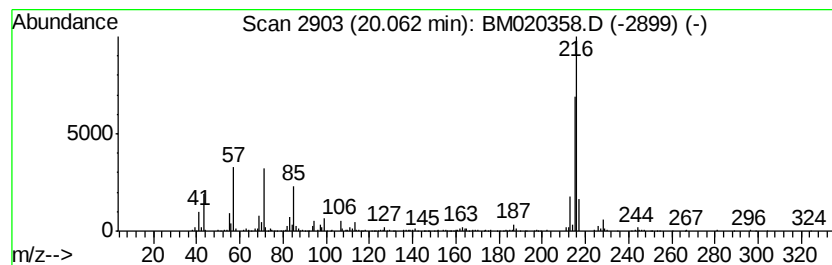
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Quant Title : SVOA CALIBRATION

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

Peak Number 44 11H-Benzo[b]fluorene Concentration Rank 43

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.06	6.64 ng/ul	1382820	Chrysene-d12	21.33

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	89
2		11H-Benzo[a]fluorene	216	C17H12	000238-84-6	68
3		7H-Benzo[c]fluorene	216	C17H12	000205-12-9	64
4		11H-Benzo[a]fluorene	216	C17H12	000238-84-6	58
5		11H-Benzo[b]fluorene	216	C17H12	000243-17-4	53



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM051719\
Data File : BM020358.D
Acq On : 17 May 2019 10:57
Operator : JU/SJ
Sample : K2604-04ME
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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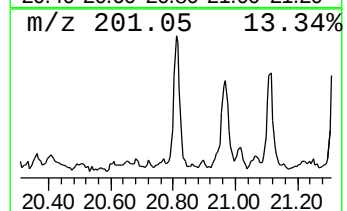
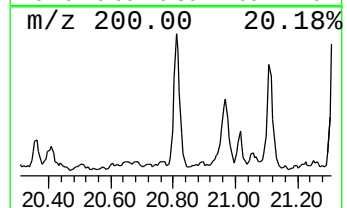
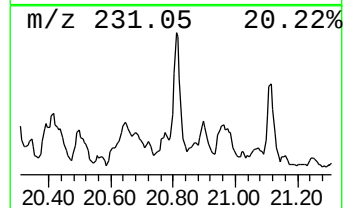
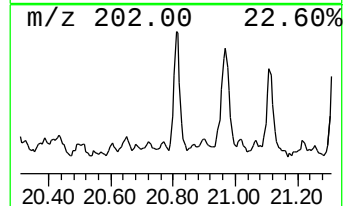
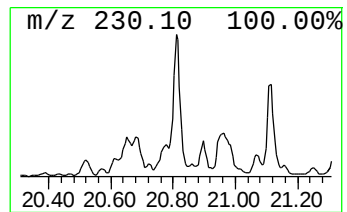
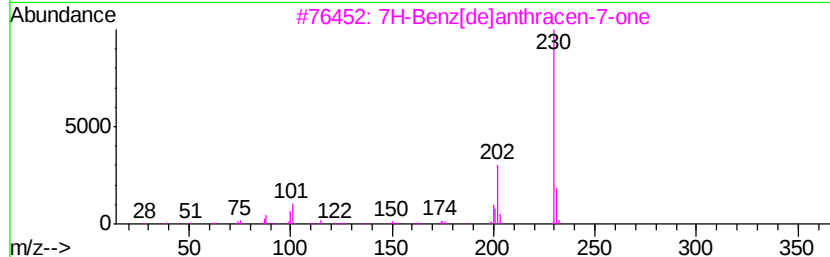
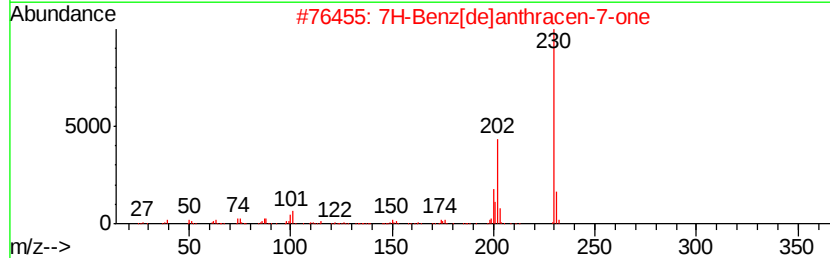
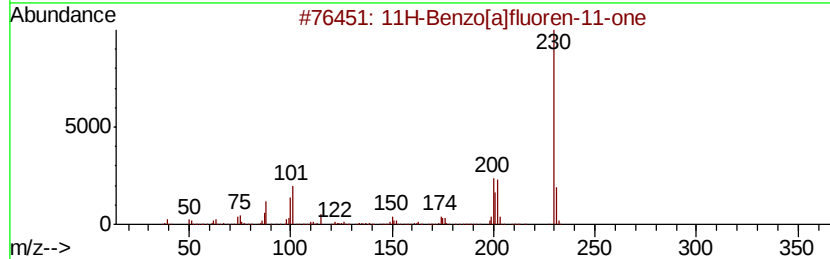
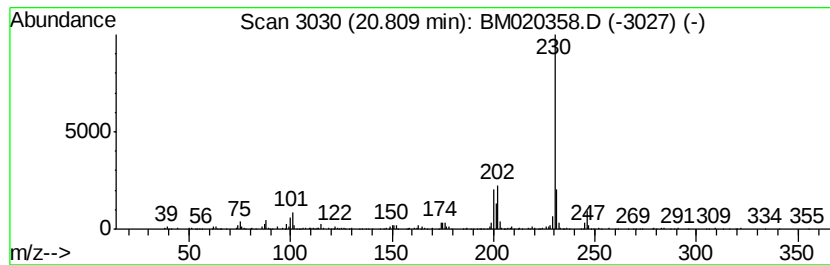
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Quant Title : SVOA CALIBRATION

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

Peak Number 49 11H-Benzo[a]fluoren-11-one Concentration Rank 54

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.81	2.63 ng/ul	547029	Chrysene-d12	21.33

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	11H-Benzo[a]fluoren-11-one	230	C17H10O	000479-79-8	95
2		7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	89
3		7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	76
4		7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	74
5		7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	74



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM051719\
Data File : BM020358.D
Acq On : 17 May 2019 10:57
Operator : JU/SJ
Sample : K2604-04ME
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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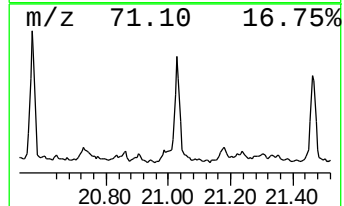
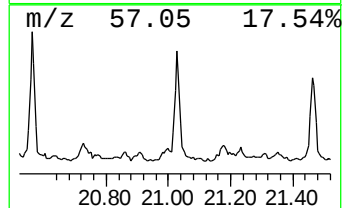
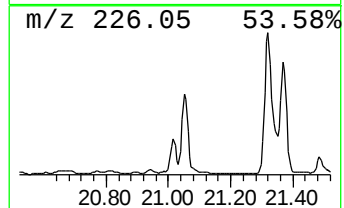
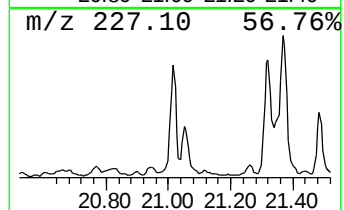
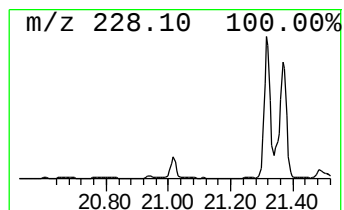
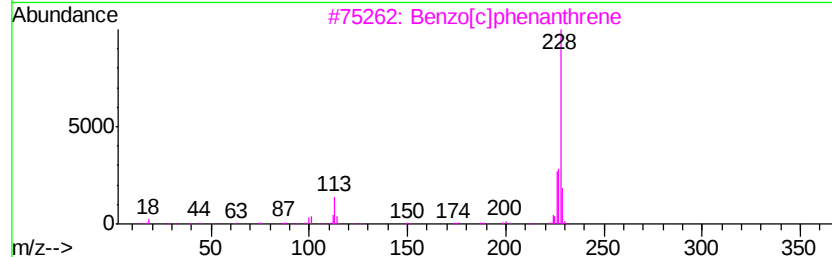
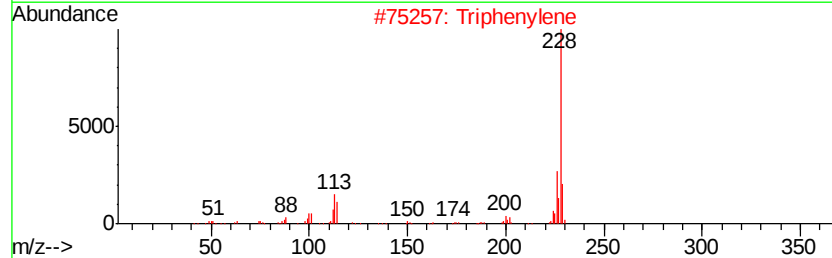
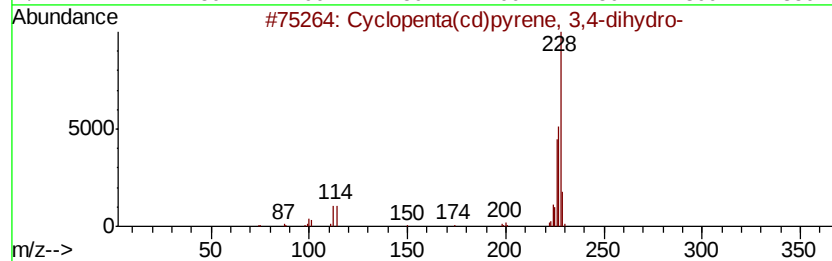
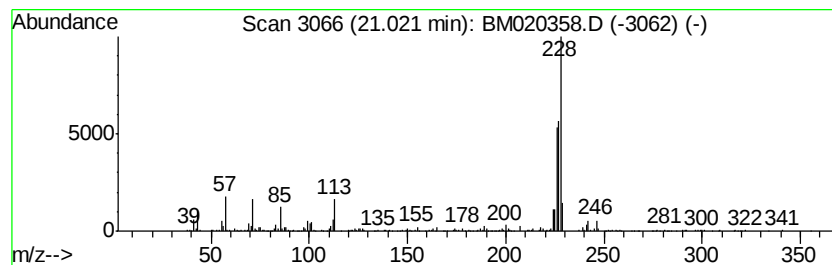
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Quant Title : SVOA CALIBRATION

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

Peak Number 50 Cyclopenta(cd)pyrene, 3,4-d... Concentration Rank 52

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.02	2.78 ng/ul	578357	Chrysene-d12	21.33

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclopenta(cd)pyrene, 3,4-dihydro-	228	C18H12	025732-74-5	83
2		Triphenylene	228	C18H12	000217-59-4	55
3		Benzo[c]phenanthrene	228	C18H12	000195-19-7	52
4		Chrysene	228	C18H12	000218-01-9	49
5		Benzo[c]phenanthrene	228	C18H12	000195-19-7	46



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM051719\
Data File : BM020358.D
Acq On : 17 May 2019 10:57
Operator : JU/SJ
Sample : K2604-04ME
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
GAJ78ME

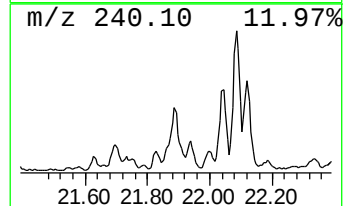
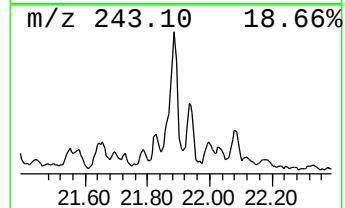
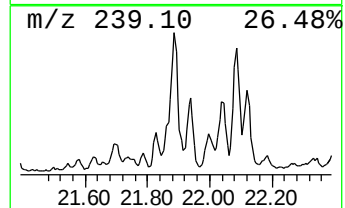
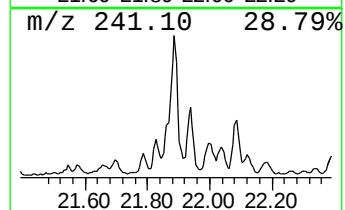
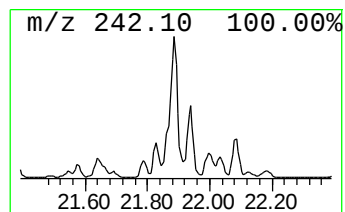
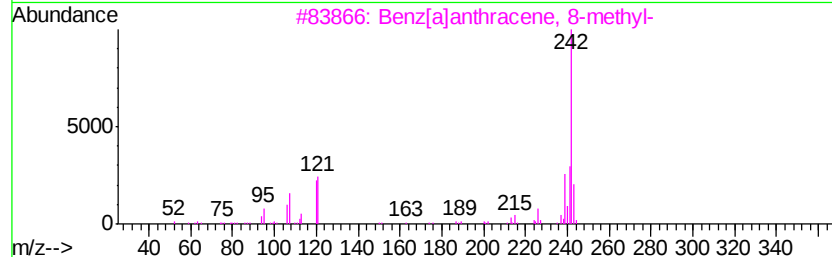
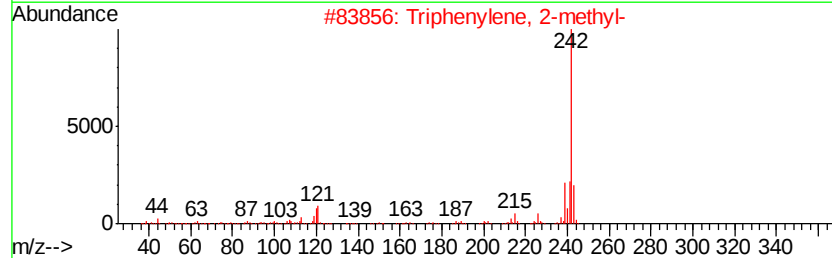
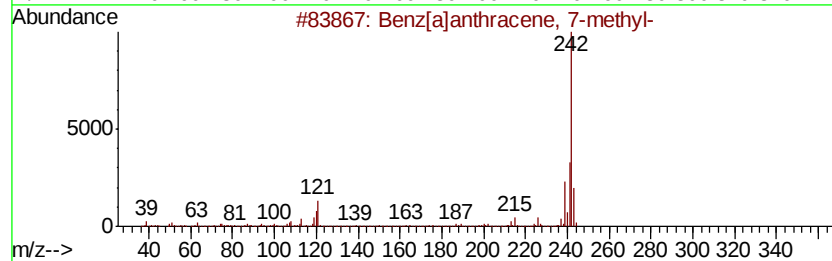
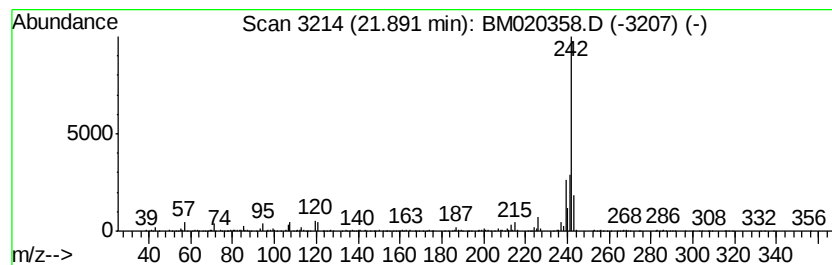
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Quant Title : SVOA CALIBRATION

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

Peak Number 51 Benz[a]anthracene, 7-methyl- Concentration Rank 45

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.89	5.57 ng/ul	1158900	Chrysene-d12	21.33

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benz[a]anthracene, 7-methyl-	242	C19H14	002541-69-7	91
2			Triphenylene, 2-methyl-	242	C19H14	001705-84-6	91
3			Benz[a]anthracene, 8-methyl-	242	C19H14	002381-31-9	91
4			Chrysene, 3-methyl-	242	C19H14	003351-31-3	90
5			Chrysene, 6-methyl-	242	C19H14	003697-24-3	89



Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM051719\
 Data File : BM020358.D
 Acq On : 17 May 2019 10:57
 Operator : JU/SJ
 Sample : K2604-04ME
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 GAJ78ME

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
(DEL) Alkane: Str...	11.93	30.9	ng/ul	759144	2	10.53	492172	20.0
Naphthalene, 1-me...	12.42	110.2	ng/ul	2712050	2	10.53	492172	20.0
(DEL) Alkane: Str...	12.89	6.9	ng/ul	317214	3	14.39	919031	20.0
Naphthalene, 1-et...	13.41	15.9	ng/ul	729083	3	14.39	919031	20.0
Naphthalene, 1,6-...	13.54	35.4	ng/ul	1627800	3	14.39	919031	20.0
Naphthalene, 2,3-...	13.70	56.1	ng/ul	2579510	3	14.39	919031	20.0
unknown-01	13.97	6.6	ng/ul	303758	3	14.39	919031	20.0
(DEL) Alkane: Str...	14.26	27.3	ng/ul	1255650	3	14.39	919031	20.0
Naphthalene, 2,3,...	14.86	12.1	ng/ul	555175	3	14.39	919031	20.0
Naphthalene, 1,4,...	14.99	17.0	ng/ul	782927	3	14.39	919031	20.0
Naphthalene, 1,6,...	15.05	10.2	ng/ul	470068	3	14.39	919031	20.0
Naphthalene, 1,4,...	15.17	11.9	ng/ul	547673	3	14.39	919031	20.0
(DEL) Alkane: Str...	15.22	26.4	ng/ul	1211590	3	14.39	919031	20.0
(DEL) Alkane: Str...	15.63	20.5	ng/ul	941692	3	14.39	919031	20.0
[1,1'-Biphenyl]-4...	15.73	10.7	ng/ul	492002	3	14.39	919031	20.0
Dibenzofuran, 4-m...	15.87	10.2	ng/ul	420423	4	17.14	827645	20.0
9H-Fluorene, 1-me...	16.44	21.2	ng/ul	878898	4	17.14	827645	20.0
9H-Fluorene, 2-me...	16.49	12.3	ng/ul	507194	4	17.14	827645	20.0
Naphtho[2,1-b]fur...	16.66	7.2	ng/ul	297578	4	17.14	827645	20.0
Dodecane, 1-iodo-	16.87	26.4	ng/ul	1092090	4	17.14	827645	20.0
(DEL) Alkane: Str...	16.92	9.9	ng/ul	409618	4	17.14	827645	20.0
Dibenzothiophene	16.96	12.8	ng/ul	528486	4	17.14	827645	20.0
(DEL) Alkane: Str...	17.53	7.3	ng/ul	303178	4	17.14	827645	20.0
Dibenzothiophene,...	17.72	8.3	ng/ul	343833	4	17.14	827645	20.0
Phenanthrene, 1-m...	18.01	38.1	ng/ul	1575850	4	17.14	827645	20.0
Phenanthrene, 2-m...	18.14	14.0	ng/ul	580267	4	17.14	827645	20.0
4H-Cyclopenta[def...	18.21	53.1	ng/ul	2197330	4	17.14	827645	20.0
(DEL) Alkane: Str...	18.31	15.7	ng/ul	651511	4	17.14	827645	20.0
1,2,4,8-Tetrameth...	18.52	13.9	ng/ul	574422	4	17.14	827645	20.0
Phenanthrene, 3,6...	18.76	10.3	ng/ul	427927	4	17.14	827645	20.0
9,10-Dimethylantr...	18.94	32.6	ng/ul	1350130	4	17.14	827645	20.0
unknown-02	19.00	14.5	ng/ul	600156	4	17.14	827645	20.0
Cyclopenta(def)ph...	19.08	26.7	ng/ul	1103740	4	17.14	827645	20.0
Pyrene, 1-methyl-	19.89	4.9	ng/ul	1020050	5	21.33	4162250	20.0
11H-Benzo[b]fluorene	20.06	6.6	ng/ul	1382820	5	21.33	4162250	20.0
11H-Benzo[a]fluor...	20.81	2.6	ng/ul	547029	5	21.33	4162250	20.0
Cyclopenta(cd)pyr...	21.02	2.8	ng/ul	578357	5	21.33	4162250	20.0
Benz[a]anthracene...	21.89	5.6	ng/ul	1158900	5	21.33	4162250	20.0