

Data Path : Z:\HPCHEM1\BNA M\DATA\BM030518\
 Data File : BM014475.D
 Acq On : 05 Mar 2018 16:24
 Operator : SJ/JU
 Sample : J1678-05DL 5X
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 BE5T4DL

Integration Parameters: LSCINT.P

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

Filtering: 5
 Min Area: 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:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM021418.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	4.287	218	221	226	rVB5	29350	39876	1.61%	0.126%
2	6.746	633	639	650	rVB2	60519	152022	6.15%	0.479%
3	6.869	656	660	670	rVB2	61728	108732	4.40%	0.343%
4	7.063	687	693	700	rBV2	93458	167250	6.76%	0.527%
5	7.510	763	769	777	rBV	399378	699982	28.30%	2.207%
6	8.263	890	897	908	rBV5	76692	192615	7.79%	0.607%
7	8.687	963	969	977	rBV2	77979	164206	6.64%	0.518%
8	9.398	1084	1090	1098	rBV3	77635	162169	6.56%	0.511%
9	9.969	1181	1187	1201	rBV6	63205	188350	7.62%	0.594%
10	10.287	1229	1241	1247	rBV	511283	926796	37.48%	2.922%
11	10.334	1247	1249	1260	rVB2	64279	110266	4.46%	0.348%
12	10.469	1267	1272	1278	rBV5	39713	80389	3.25%	0.253%
13	11.145	1382	1387	1392	rBV8	11988	28763	1.16%	0.091%
14	11.969	1520	1527	1535	rBV3	45889	98647	3.99%	0.311%
15	12.192	1557	1565	1570	rBV	56228	100555	4.07%	0.317%
16	13.204	1731	1737	1747	rVB6	17065	42919	1.74%	0.135%
17	13.351	1755	1762	1768	rVB5	35409	85789	3.47%	0.270%
18	13.492	1780	1786	1792	rBV2	62956	128916	5.21%	0.406%
19	13.551	1792	1796	1800	rVV4	45777	74715	3.02%	0.236%
20	13.598	1800	1804	1809	rVV	177174	281800	11.39%	0.888%
21	13.645	1809	1812	1821	rVB3	58353	100538	4.07%	0.317%
22	13.727	1821	1826	1830	rBV5	35099	58481	2.36%	0.184%
23	13.869	1843	1850	1860	rBV3	233653	476632	19.27%	1.503%
24	14.175	1895	1902	1909	rBV2	697454	1135102	45.90%	3.579%
25	14.239	1909	1913	1921	rVB	96957	160877	6.51%	0.507%
26	14.480	1949	1954	1955	rBV4	21696	26639	1.08%	0.084%
27	14.545	1958	1965	1967	rVV6	27800	69067	2.79%	0.218%
28	14.586	1967	1972	1979	rVV3	86608	167394	6.77%	0.528%
29	14.663	1979	1985	1990	rVB4	36715	64429	2.61%	0.203%
30	14.804	2004	2009	2013	rBV3	34559	56898	2.30%	0.179%
31	14.857	2014	2018	2024	rVB5	26176	40408	1.63%	0.127%
32	14.980	2032	2039	2042	rBV7	33511	69021	2.79%	0.218%
33	15.180	2068	2073	2078	rVV	267865	430130	17.39%	1.356%
34	15.239	2078	2083	2095	rVB	128380	235975	9.54%	0.744%

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35	15.333	2095	2099	2101	rBV5	25047	30331	1.23%	0.096%
36	15.363	2101	2104	2107	rVV4	30953	49559	2.00%	0.156%
37	15.398	2108	2110	2114	rVB5	30327	36502	1.48%	0.115%
38	15.533	2129	2133	2141	rVB4	39128	80816	3.27%	0.255%
39	15.686	2155	2159	2166	rVB2	40587	78970	3.19%	0.249%
40	15.921	2189	2199	2209	rVB2	32607	102847	4.16%	0.324%
41	16.051	2217	2221	2224	rBV6	14812	25672	1.04%	0.081%
42	16.245	2248	2254	2259	rVV6	54930	127475	5.15%	0.402%
43	16.298	2259	2263	2267	rVB3	47174	67157	2.72%	0.212%
44	16.398	2277	2280	2284	rVB3	36304	47021	1.90%	0.148%
45	16.480	2290	2294	2296	rVV4	30470	48926	1.98%	0.154%
46	16.516	2296	2300	2308	rVV5	93641	155499	6.29%	0.490%
47	16.610	2311	2316	2323	rVV2	71664	120652	4.88%	0.380%
48	16.692	2323	2330	2336	rVV7	80567	171714	6.94%	0.541%
49	16.763	2338	2342	2349	rVB	98594	155250	6.28%	0.489%
50	16.945	2366	2373	2376	rBV	770113	1197972	48.44%	3.777%
51	16.986	2376	2380	2385	rVV	1495392	2112714	85.43%	6.661%
52	17.045	2385	2390	2393	rVV	297486	504687	20.41%	1.591%
53	17.080	2393	2396	2401	rVV	247142	344369	13.92%	1.086%
54	17.139	2401	2406	2416	rVB7	65858	147123	5.95%	0.464%
55	17.368	2435	2445	2451	rBV2	113036	273159	11.05%	0.861%
56	17.527	2467	2472	2481	rVB5	61819	152120	6.15%	0.480%
57	17.663	2490	2495	2503	rBV5	42913	94104	3.81%	0.297%
58	17.751	2507	2510	2513	rVV4	21114	27438	1.11%	0.087%
59	17.815	2516	2521	2525	rVV	306603	505675	20.45%	1.594%
60	17.868	2525	2530	2536	rVV	402440	730970	29.56%	2.304%
61	17.951	2540	2544	2548	rVV	111366	165086	6.68%	0.520%
62	18.010	2549	2554	2558	rVV3	342977	609090	24.63%	1.920%
63	18.051	2558	2561	2566	rVB	223658	316270	12.79%	0.997%
64	18.133	2572	2575	2578	rBV4	36826	56000	2.26%	0.177%
65	18.227	2587	2591	2596	rBV7	38574	65468	2.65%	0.206%
66	18.274	2597	2599	2603	rVB4	32231	31442	1.27%	0.099%
67	18.327	2603	2608	2612	rBV	163305	243515	9.85%	0.768%
68	18.392	2614	2619	2623	rVB3	133036	214835	8.69%	0.677%
69	18.574	2643	2650	2655	rBV4	79303	166876	6.75%	0.526%
70	18.627	2656	2659	2662	rVV2	97821	114381	4.63%	0.361%
71	18.668	2664	2666	2670	rVB5	71660	75272	3.04%	0.237%

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72	18.745	2675	2679	2684	rBV2	203215	322965	13.06%	1.018%
73	18.839	2694	2695	2700	rVB	79533	80339	3.25%	0.253%
74	18.909	2700	2707	2712	rBV5	135922	319950	12.94%	1.009%
75	19.015	2720	2725	2733	rBV	1739214	2363781	95.58%	7.452%
76	19.080	2733	2736	2739	rVV4	51035	65763	2.66%	0.207%
77	19.292	2770	2772	2777	rVB6	48891	56767	2.30%	0.179%
78	19.357	2778	2783	2784	rVV2	575055	745329	30.14%	2.350%
79	19.386	2784	2788	2795	rVV	1585460	2244515	90.76%	7.076%
80	19.462	2798	2801	2806	rVB4	108398	149871	6.06%	0.472%
81	19.715	2839	2844	2851	rBV3	145488	360371	14.57%	1.136%
82	19.886	2864	2873	2879	rVB	261776	614808	24.86%	1.938%
83	19.986	2887	2890	2894	rBV2	131640	163588	6.61%	0.516%
84	20.186	2920	2924	2927	rBV2	171372	235298	9.51%	0.742%
85	20.233	2929	2932	2936	rVB	186729	227986	9.22%	0.719%
86	20.645	3000	3002	3007	rVB	195822	235688	9.53%	0.743%
87	20.803	3026	3029	3032	rBV	216168	246502	9.97%	0.777%
88	21.151	3083	3088	3093	rBV2	1198136	2473054	100.00%	7.797%
89	21.198	3093	3096	3101	rVB	903170	1033908	41.81%	3.260%
90	22.703	3347	3352	3356	rBV	588354	1213757	49.08%	3.827%
91	23.156	3426	3429	3434	rVB	324744	457154	18.49%	1.441%
92	23.250	3442	3445	3453	rVB	573663	914313	36.97%	2.882%
93	23.345	3457	3461	3466	rVB	515025	820592	33.18%	2.587%

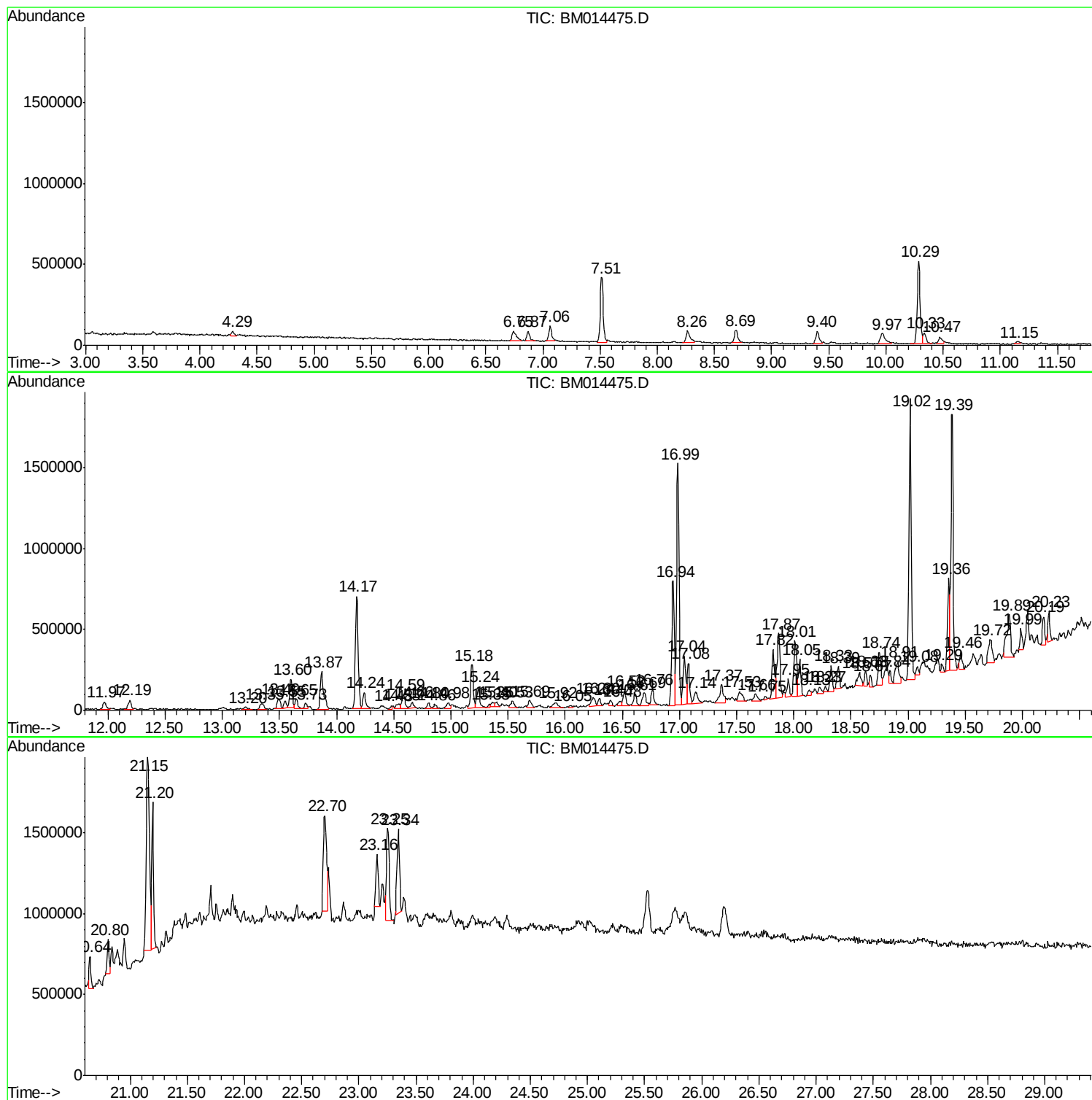
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Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM021418.M
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P



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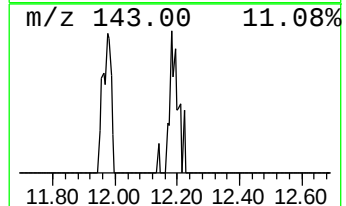
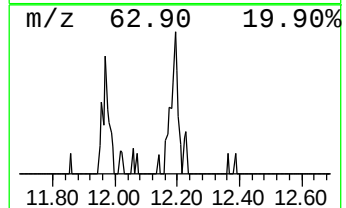
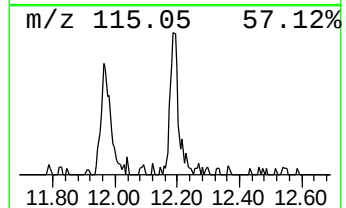
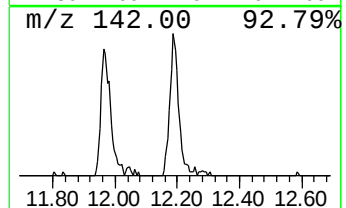
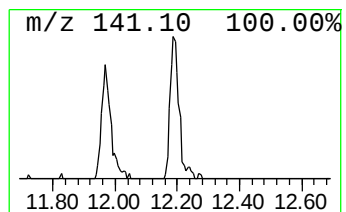
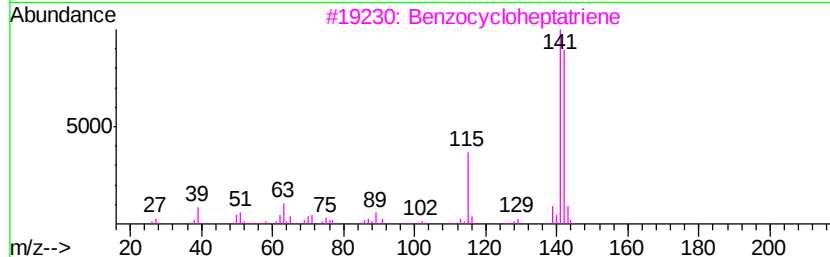
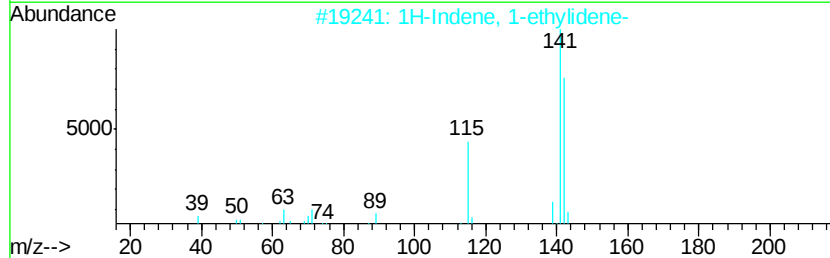
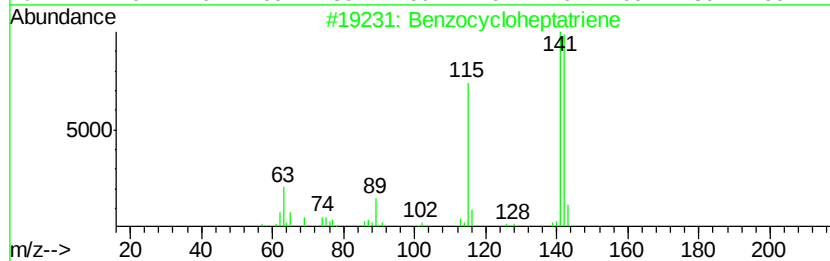
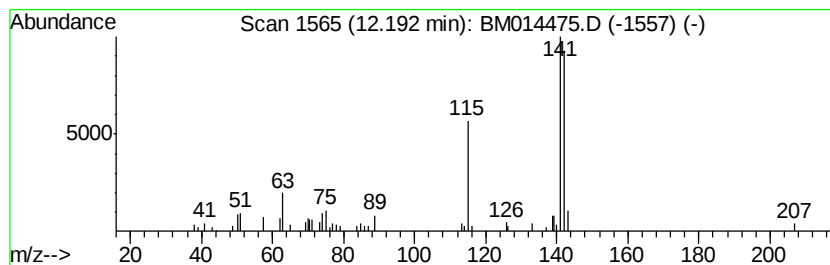
Instrument :
BNA_M
ClientSampleId :
BE5T4DL

Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM021418.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 1 Benzocycloheptatriene Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.19	2.17 ng/ul	100555	Naphthalene-d8	10.29
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1		Benzocycloheptatriene	142 C11H10	000264-09-5 93
2		1H-Indene, 1-ethylidene-	142 C11H10	002471-83-2 93
3		Benzocycloheptatriene	142 C11H10	000264-09-5 91
4		1,4-Methanonaphthalene, 1,4-dihy...	142 C11H10	004453-90-1 87
5		Naphthalene, 1-methyl-	142 C11H10	000090-12-0 87



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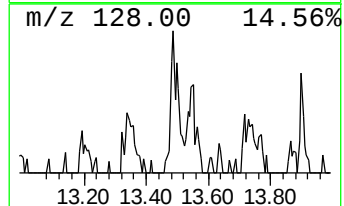
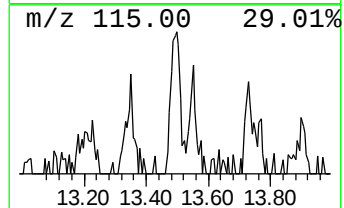
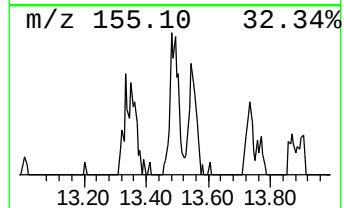
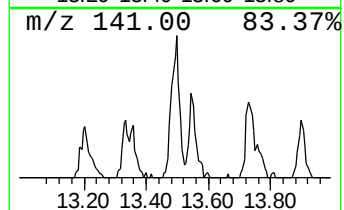
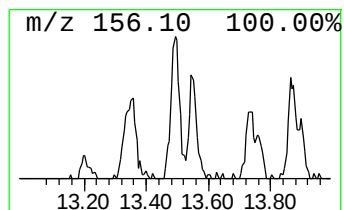
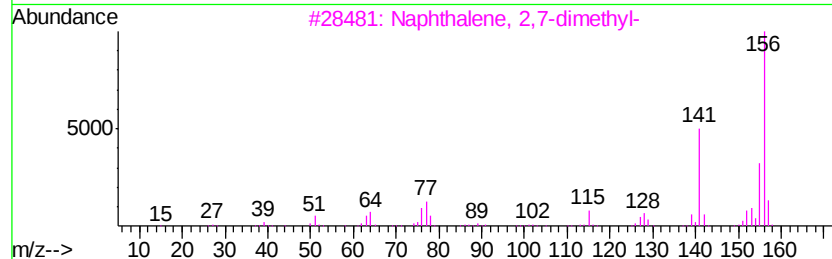
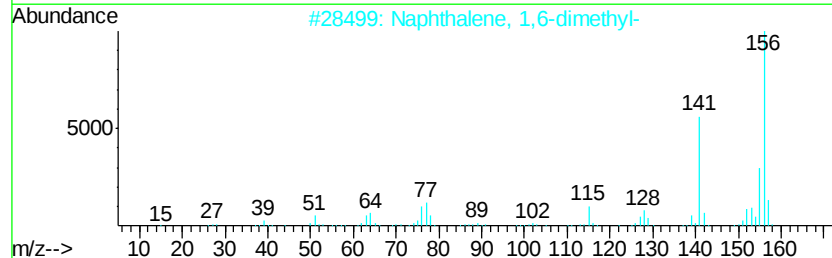
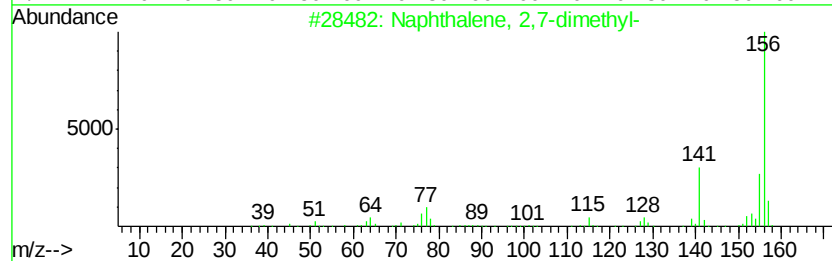
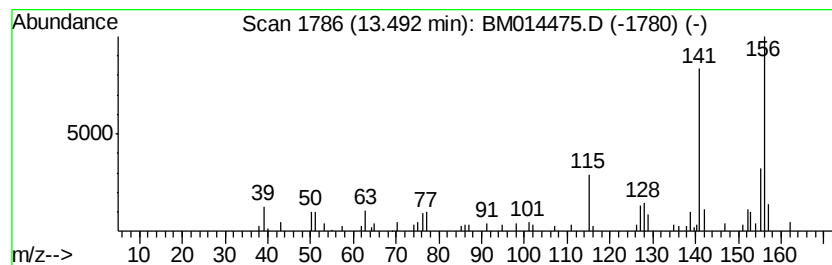
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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 2 Naphthalene, 2,7-dimethyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.49	2.27 ng/ul	128916	Acenaphthene-d10	14.17

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	97
2		Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	97
3		Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	97
4		Naphthalene, 1,5-dimethyl-	156	C12H12	000571-61-9	97
5		Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	95



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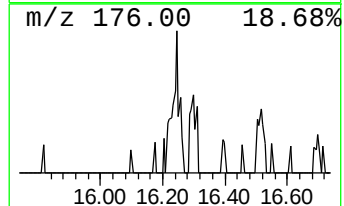
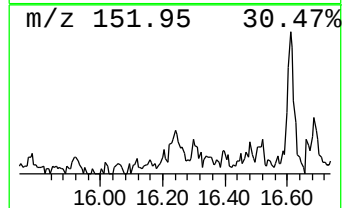
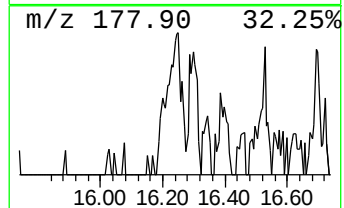
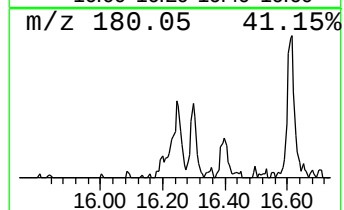
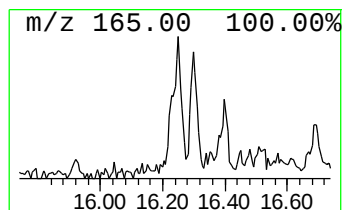
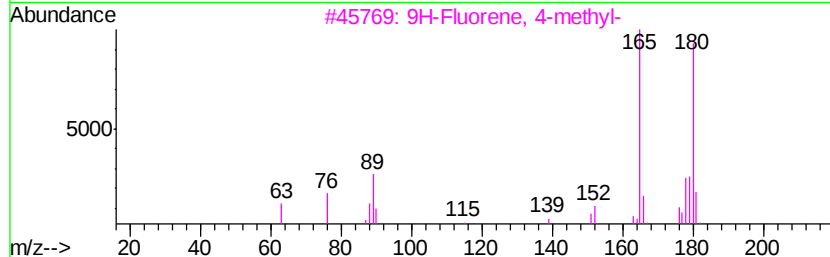
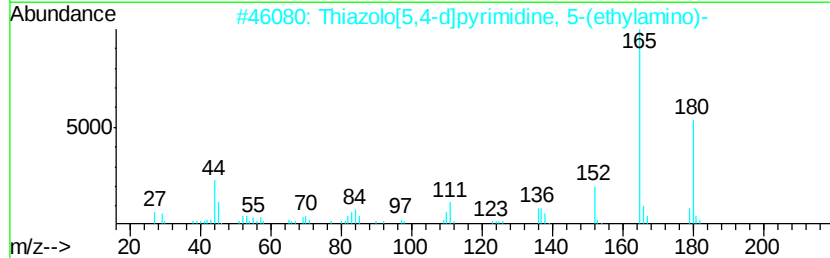
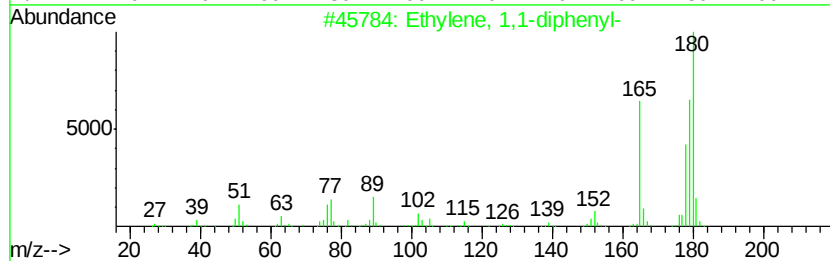
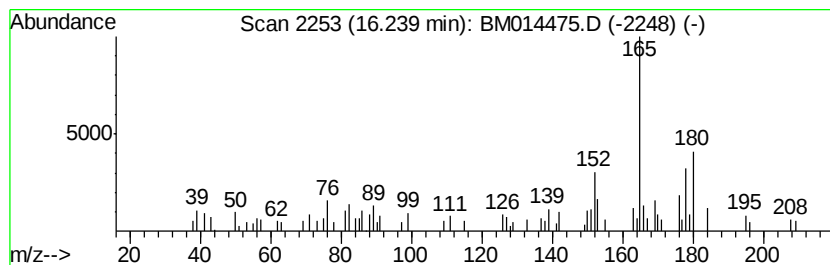
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 3 Ethylene, 1,1-diphenyl- Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.		
16.24	2.13 ng/ul	127475	Phenanthrene-d10	16.94		
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Ethylene, 1,1-diphenyl-	180	C14H12	000530-48-3	50
2		Thiazolo[5,4-d]pyrimidine, 5-(et...	180	C7H8N4S	019835-21-3	50
3		9H-Fluorene, 4-methyl-	180	C14H12	001556-99-6	50
4		9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	50
5		9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	50



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ClientSampleId :
BE5T4DL

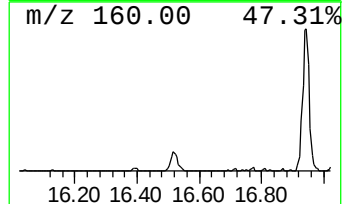
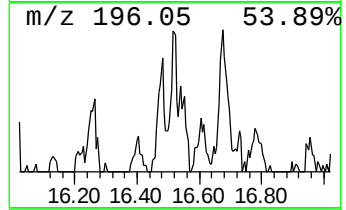
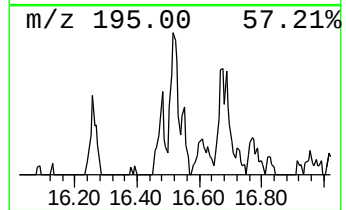
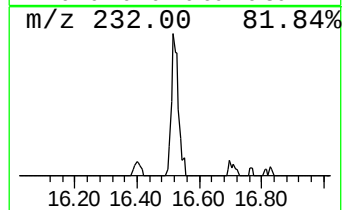
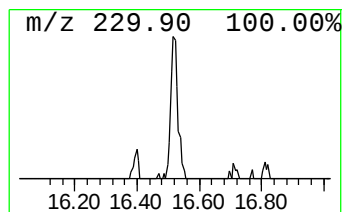
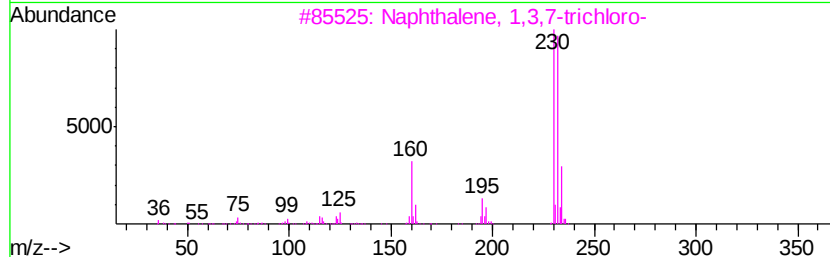
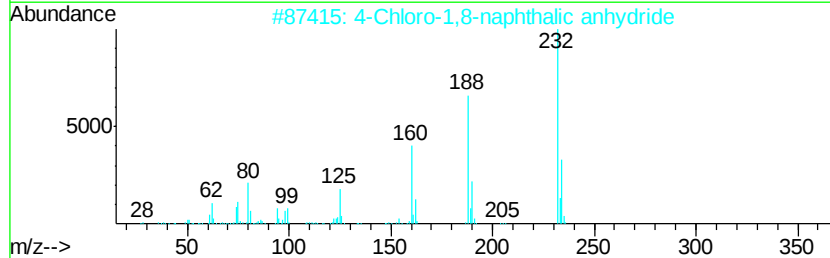
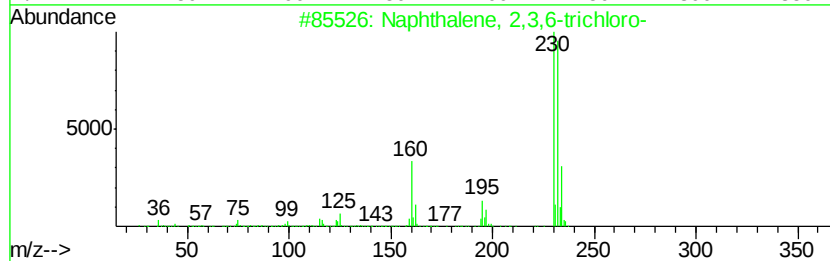
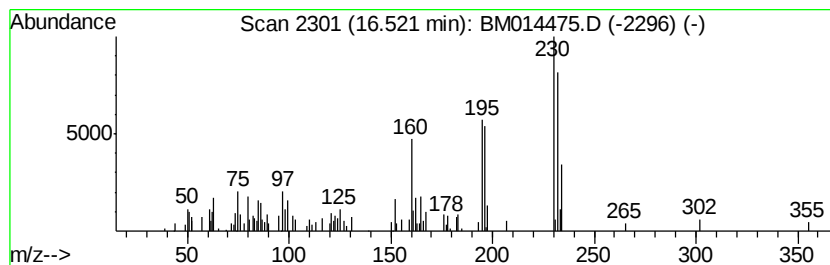
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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 4 Naphthalene, 2,3,6-trichloro- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.52	2.60 ng/ul	155499	Phenanthrene-d10	16.94

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphthalene, 2,3,6-trichloro-	230	C10H5Cl3	055720-40-6	78
2		4-Chloro-1,8-naphthalic anhydride	232	C12H5ClO3	004053-08-1	46
3		Naphthalene, 1,3,7-trichloro-	230	C10H5Cl3	055720-37-1	38
4		Toluene, 2-bromo-3,5-dimethoxy-	230	C9H11BrO2	013321-73-8	35
5		Benzenealdehyde, 2-bromo-5-hydro...	230	C8H7BrO3	002973-59-3	35



Data Path : Z:\HPCHEM1\BNA M\DATA\BM030518\
Data File : BM014475.D
Acq On : 05 Mar 2018 16:24
Operator : SJ/JU
Sample : J1678-05DL 5X
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
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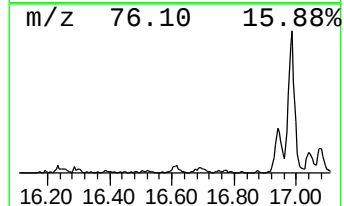
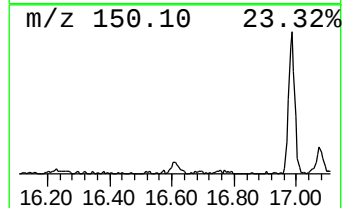
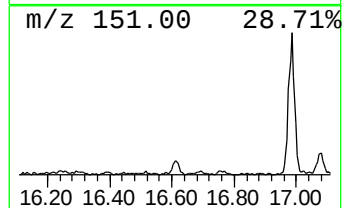
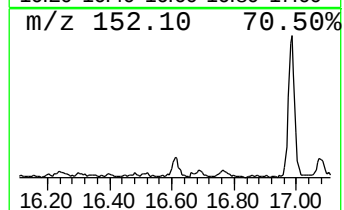
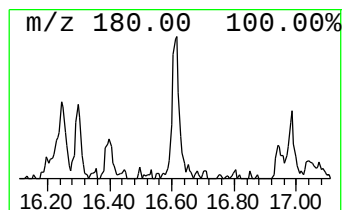
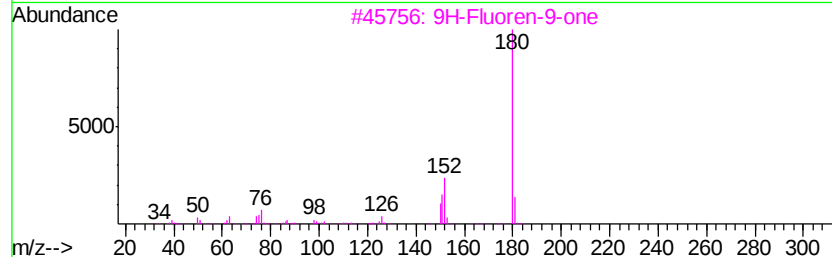
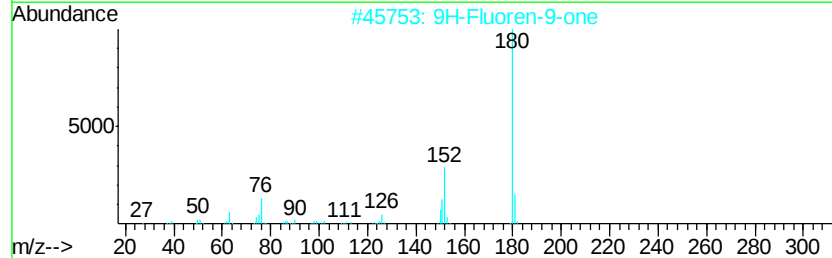
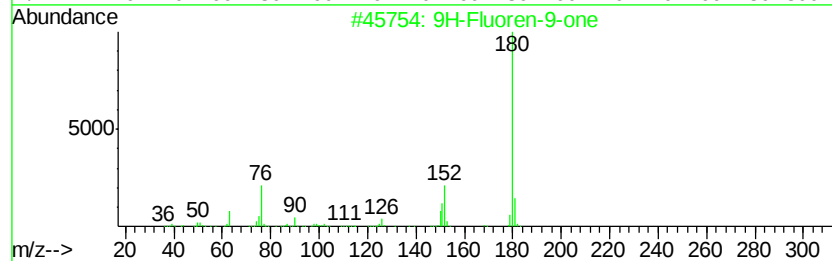
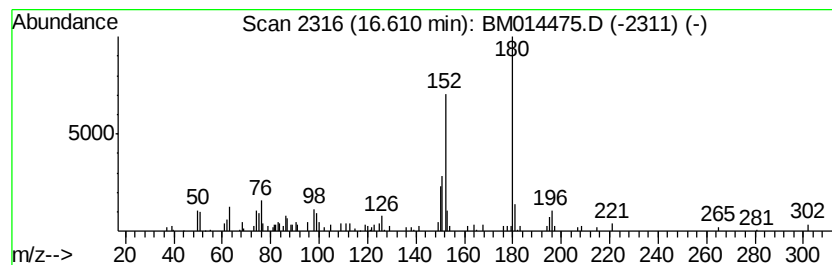
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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 5 9H-Fluoren-9-one Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.61	2.01 ng/ul	120652	Phenanthrene-d10	16.94

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		9H-Fluoren-9-one	180	C13H8O	000486-25-9	83
2		9H-Fluoren-9-one	180	C13H8O	000486-25-9	83
3		9H-Fluoren-9-one	180	C13H8O	000486-25-9	76
4		Biphenylene	152	C12H8	000259-79-0	74
5		Benzo[c]cinnoline	180	C12H8N2	000230-17-1	74



Data Path : Z:\HPCHEM1\BNA M\DATA\BM030518\
Data File : BM014475.D
Acq On : 05 Mar 2018 16:24
Operator : SJ/JU
Sample : J1678-05DL 5X
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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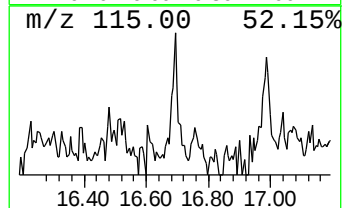
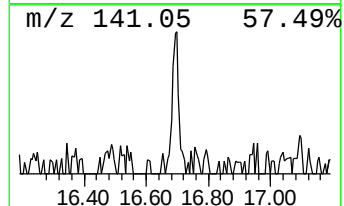
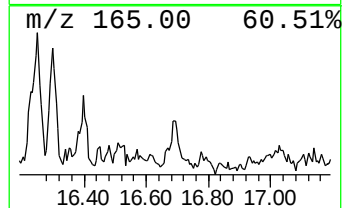
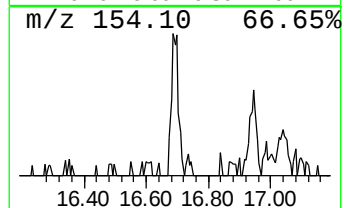
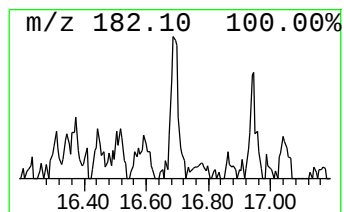
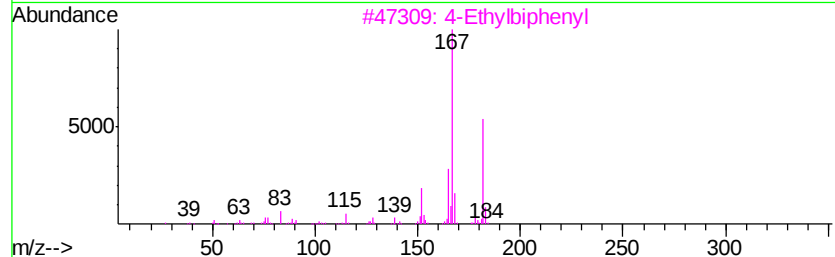
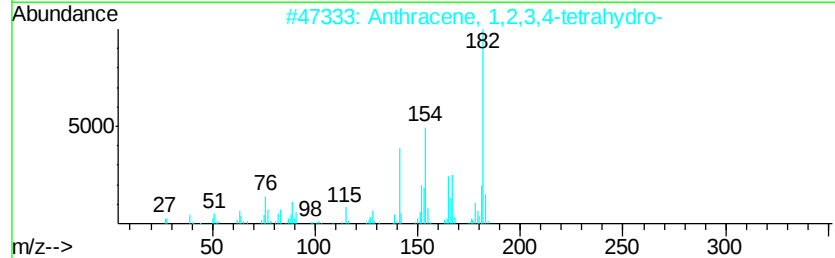
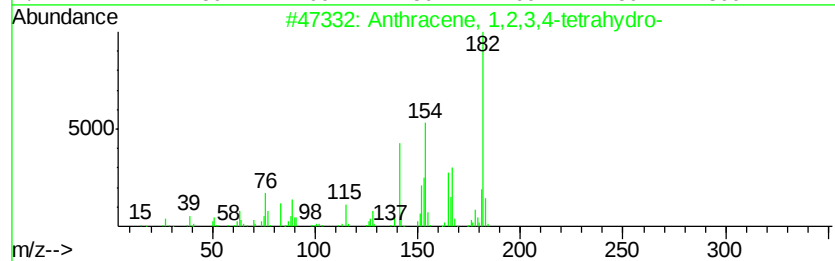
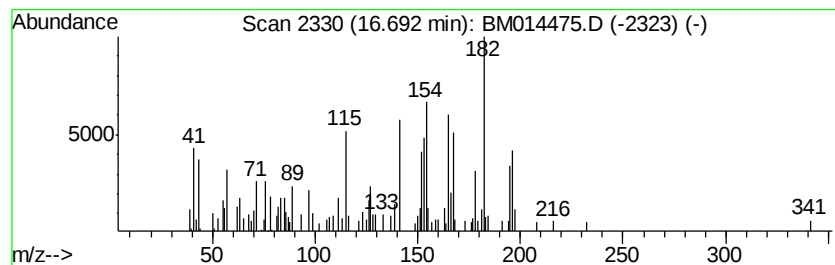
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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 6 unknown-01 Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.69	2.87 ng/ul	171714	Phenanthrene-d10	16.94

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Anthracene, 1,2,3,4-tetrahydro-	182	C14H14	002141-42-6	49
2			Anthracene, 1,2,3,4-tetrahydro-	182	C14H14	002141-42-6	46
3			4-Ethylbiphenyl	182	C14H14	005707-44-8	30
4			Benzoic acid, 2,4-dimethoxy-	182	C9H10O4	000091-52-1	25
5			1,1'-Biphenyl, 2-ethyl-	182	C14H14	001812-51-7	25



Data Path : Z:\HPCHEM1\BNA M\DATA\BM030518\
Data File : BM014475.D
Acq On : 05 Mar 2018 16:24
Operator : SJ/JU
Sample : J1678-05DL 5X
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
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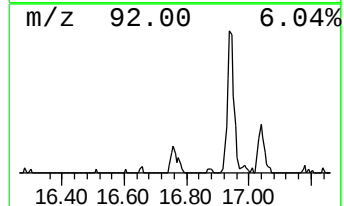
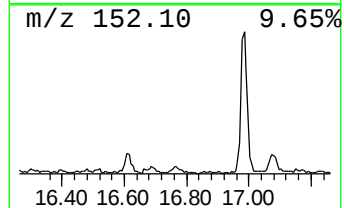
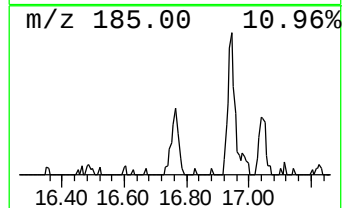
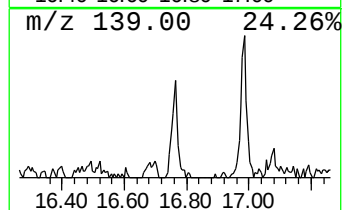
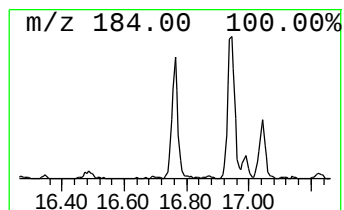
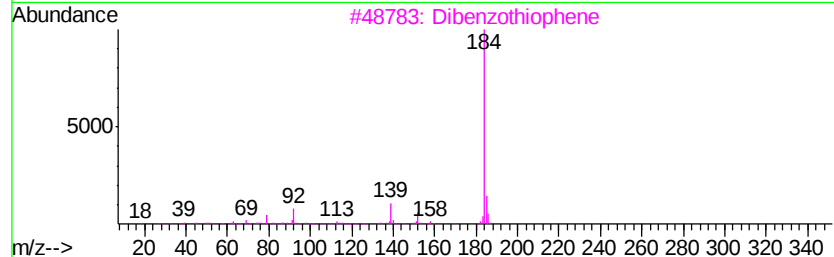
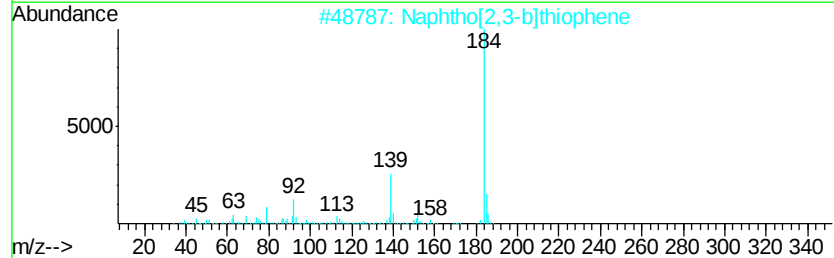
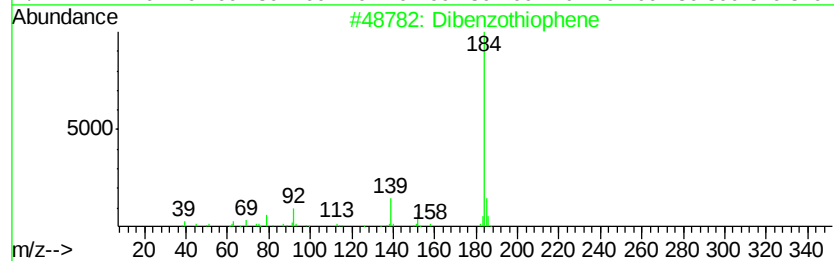
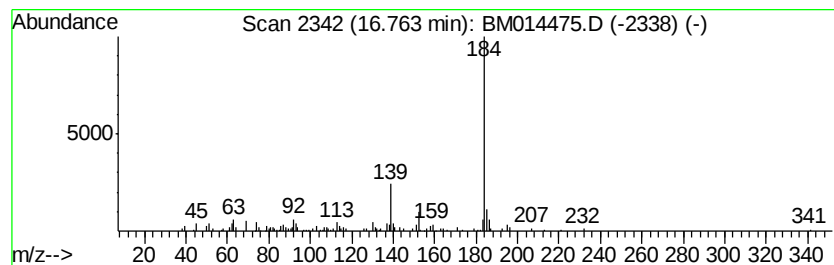
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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 7 Dibenzothiophene Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.76	2.59 ng/ul	155250	Phenanthrene-d10	16.94

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Dibenzothiophene	184	C12H8S	000132-65-0	93
2		Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	91
3		Dibenzothiophene	184	C12H8S	000132-65-0	90
4		Azuleno(2,1-b)thiophene	184	C12H8S	000248-13-5	90
5		Dibenzothiophene	184	C12H8S	000132-65-0	87



Data Path : Z:\HPCHEM1\BNA M\DATA\BM030518\
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Sample : J1678-05DL 5X
Misc :
ALS Vial : 9 Sample Multiplier: 1

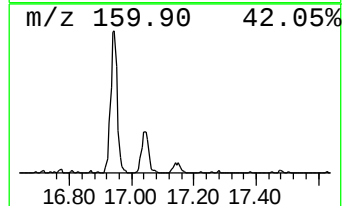
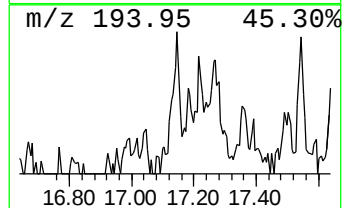
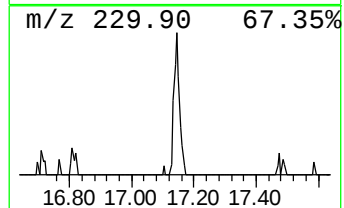
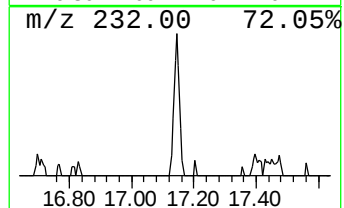
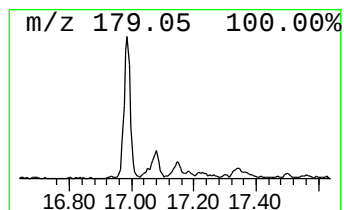
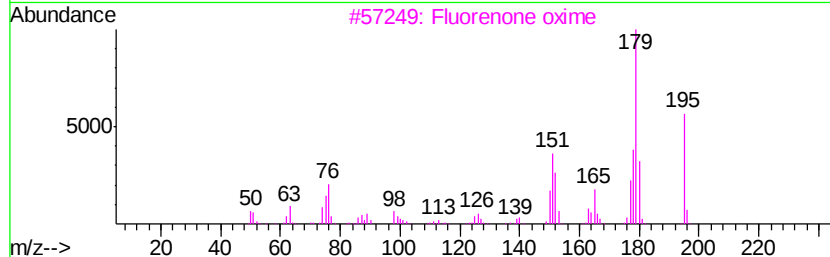
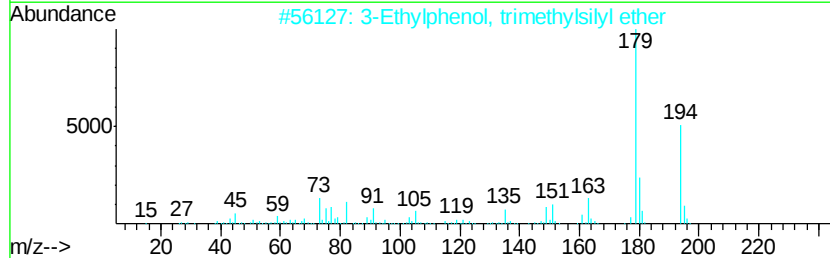
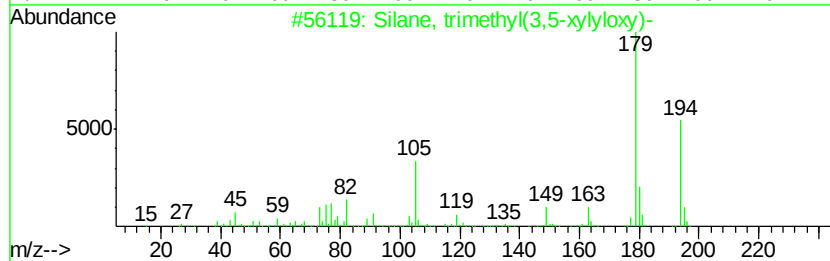
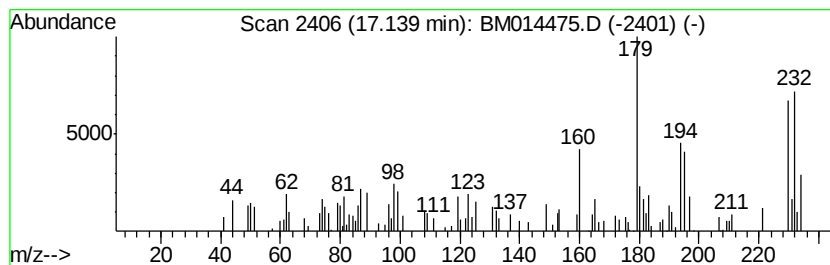
Instrument :
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ClientSampleId :
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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 8 unknown-02 Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.	
17.14	2.46 ng/ul	147123	Phenanthrene-d10	16.94	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Silane, trimethyl(3,5-xylvloxy)-	194	C11H18OSi	017994-05-7	25
2	3-Ethylphenol, trimethylsilyl ether	194	C11H18OSi	1000333-41-3	22
3	Fluorenone oxime	195	C13H9NO	002157-52-0	22
4	Benzenamine, 4-fluoro-3-(trifluo...	179	C7H5F4N	002357-47-3	14
5	6-Methoxy-8-nitro-2-quinoline al...	232	C11H8N2O4	133378-39-9	14



Data Path : Z:\HPCHEM1\BNA M\DATA\BM030518\
Data File : BM014475.D
Acq On : 05 Mar 2018 16:24
Operator : SJ/JU
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Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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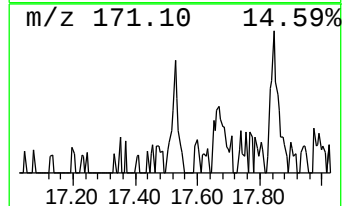
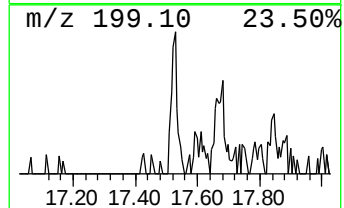
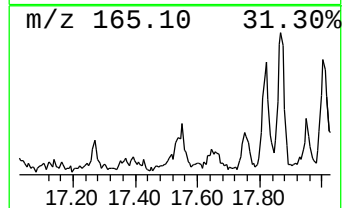
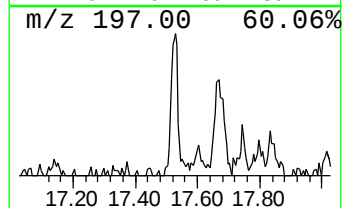
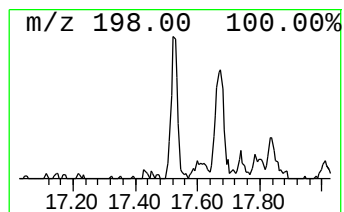
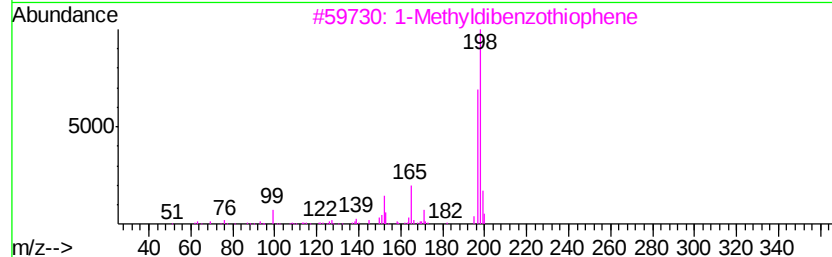
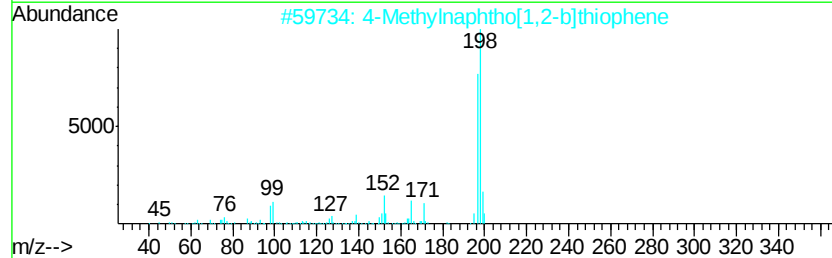
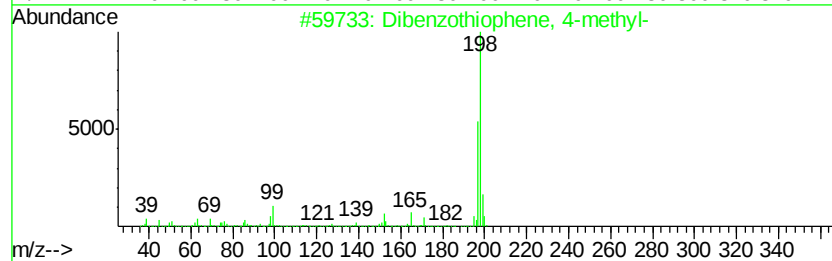
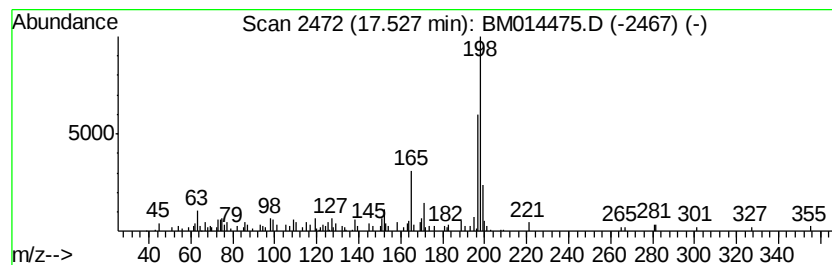
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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 9 Dibenzothiophene, 4-methyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.53	2.54 ng/ul	152120	Phenanthrene-d10	16.94

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Dibenzothiophene, 4-methyl-	198	C13H10S	007372-88-5	74
2		4-Methylnaphtho[1,2-b]thiophene	198	C13H10S	067388-11-8	74
3		1-Methyldibenzothiophene	198	C13H10S	031317-07-4	74
4		Dibenzothiophene, 3-methyl-	198	C13H10S	016587-52-3	74
5		Tacrine	198	C13H14N2	000321-64-2	59



Data Path : Z:\HPCHEM1\BNA M\DATA\BM030518\
Data File : BM014475.D
Acq On : 05 Mar 2018 16:24
Operator : SJ/JU
Sample : J1678-05DL 5X
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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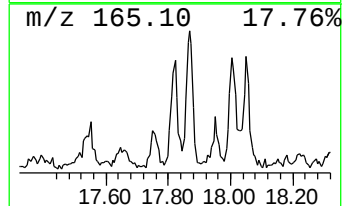
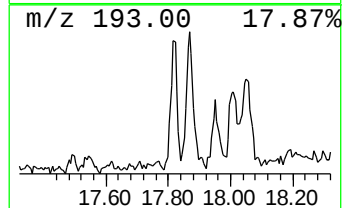
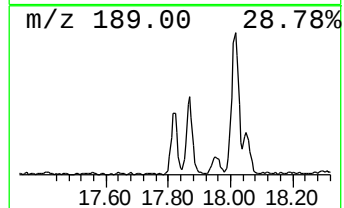
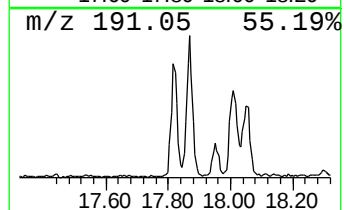
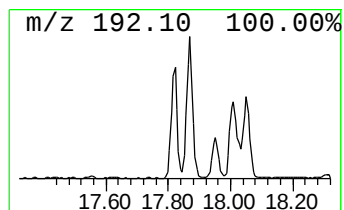
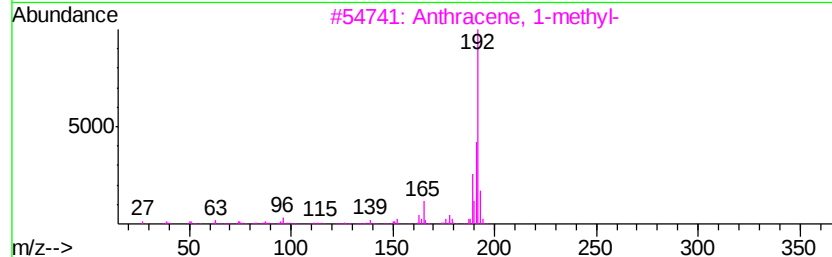
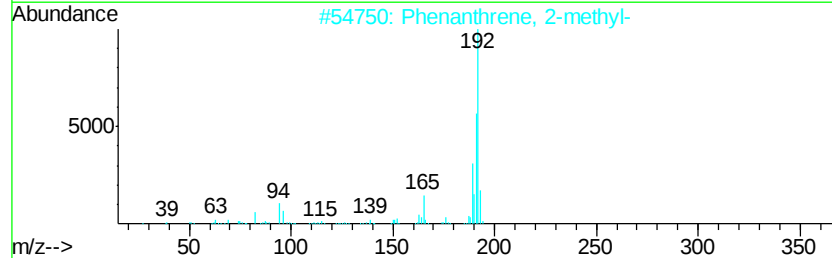
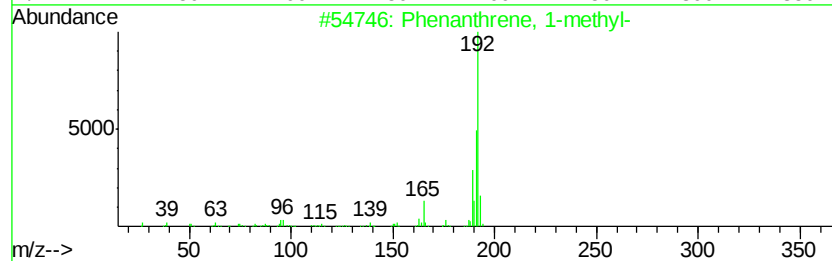
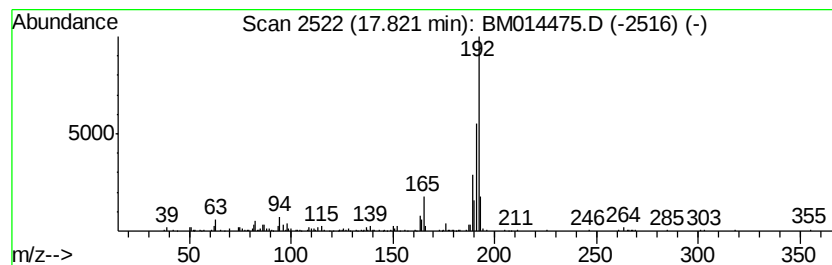
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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 10 Phenanthrene, 1-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.82	8.44 ng/ul	505675	Phenanthrene-d10	16.94

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	93
2			Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	93
3			Anthracene, 1-methyl-	192	C15H12	000610-48-0	91
4			1H-Cyclopropa[1,1]phenanthrene, 1a, ...	192	C15H12	000949-41-7	91
5			Anthracene, 2-methyl-	192	C15H12	000613-12-7	91



Data Path : Z:\HPCHEM1\BNA M\DATA\BM030518\
Data File : BM014475.D
Acq On : 05 Mar 2018 16:24
Operator : SJ/JU
Sample : J1678-05DL 5X
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
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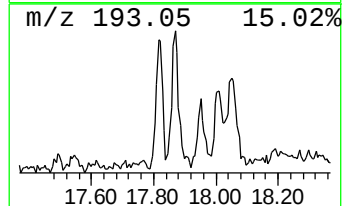
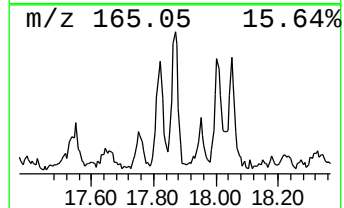
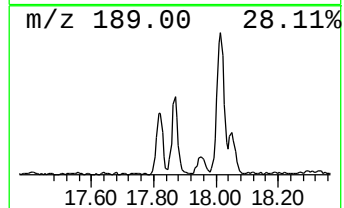
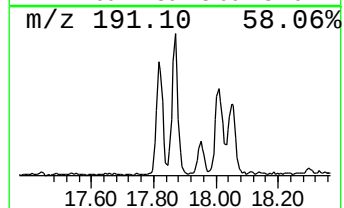
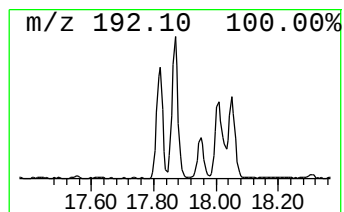
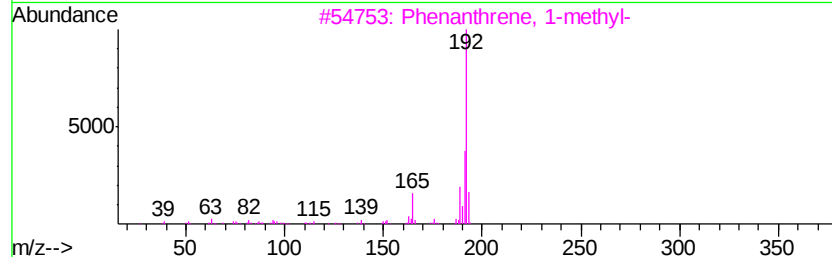
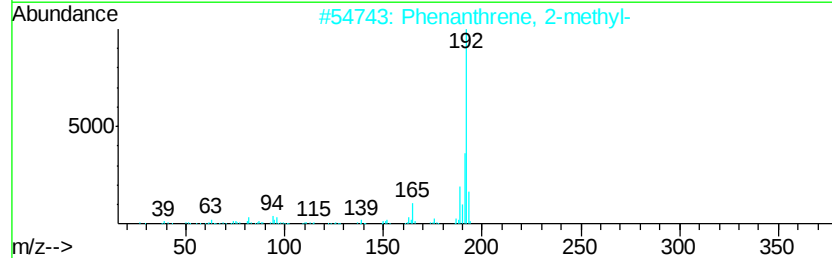
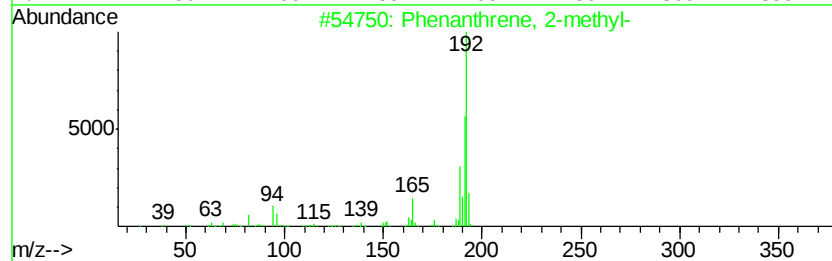
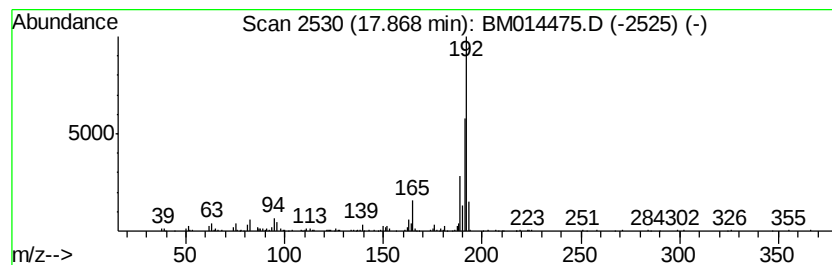
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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 11 Phenanthrene, 2-methyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.87	12.20 ng/ul	730970	Phenanthrene-d10	16.94

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



Data Path : Z:\HPCHEM1\BNA M\DATA\BM030518\
Data File : BM014475.D
Acq On : 05 Mar 2018 16:24
Operator : SJ/JU
Sample : J1678-05DL 5X
Misc :
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Instrument :
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ClientSampleId :
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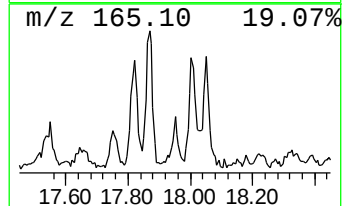
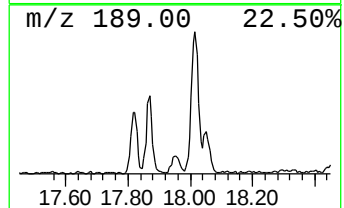
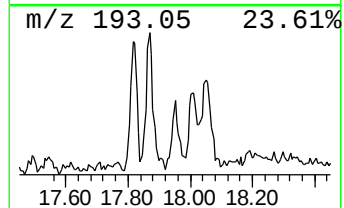
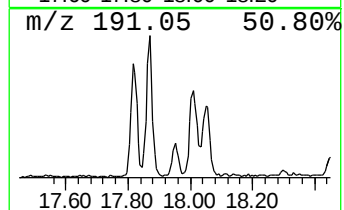
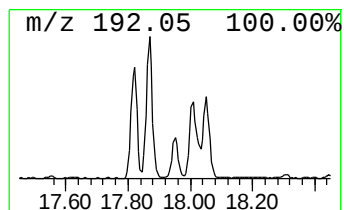
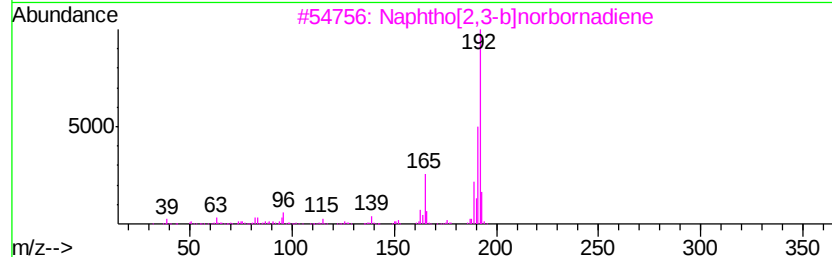
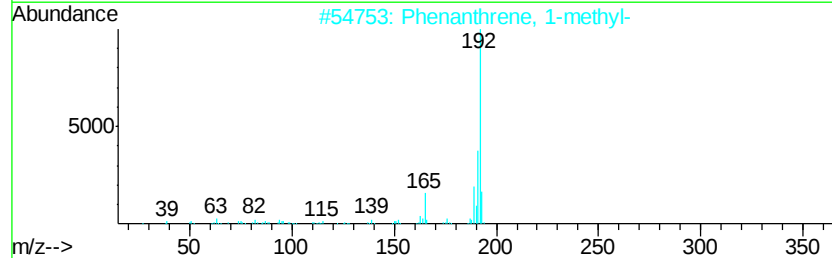
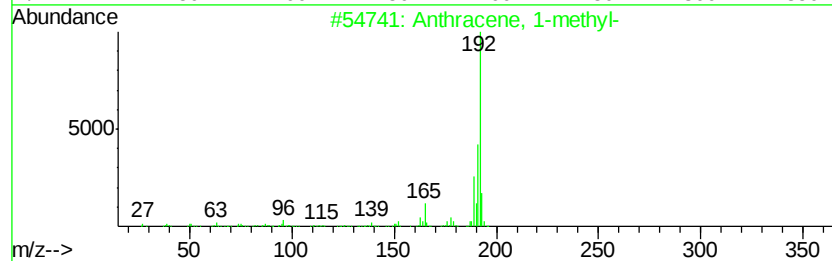
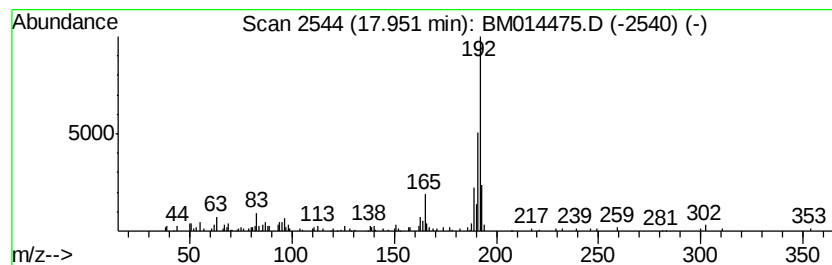
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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 12 Anthracene, 1-methyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.95	2.76 ng/ul	165086	Phenanthrene-d10	16.94

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	87
2		Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	87
3		Naphtho[2,3-b]norbornadiene	192	C15H12	107426-38-0	81
4		Anthracene, 2-methyl-	192	C15H12	000613-12-7	81
5		1H-Cyclopropa[1]phenanthrene, 1a,...	192	C15H12	000949-41-7	81



Data Path : Z:\HPCHEM1\BNA M\DATA\BM030518\
Data File : BM014475.D
Acq On : 05 Mar 2018 16:24
Operator : SJ/JU
Sample : J1678-05DL 5X
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
BE5T4DL

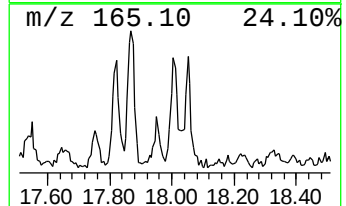
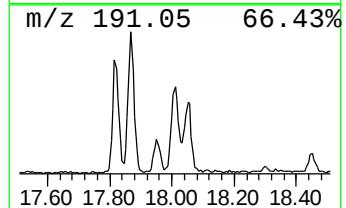
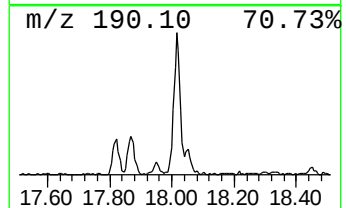
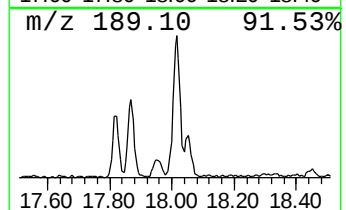
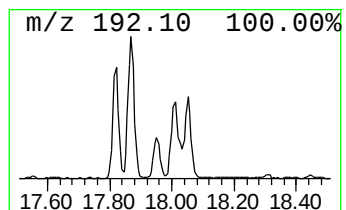
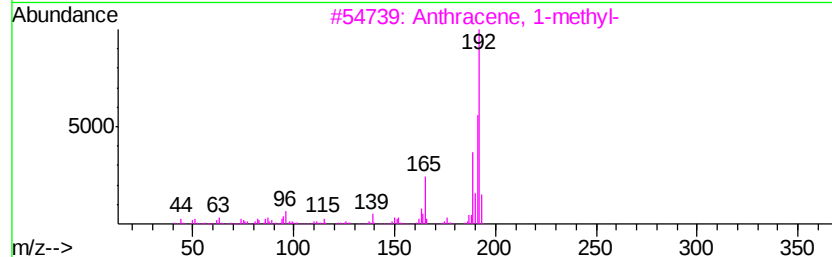
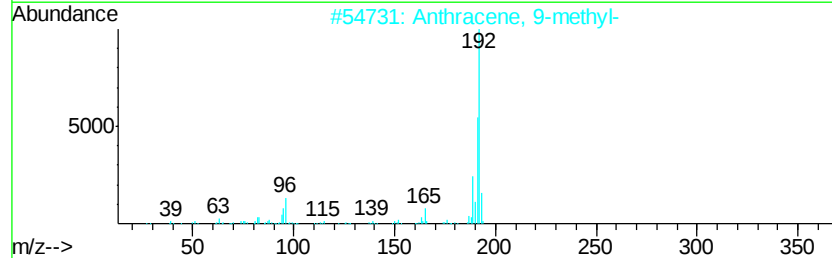
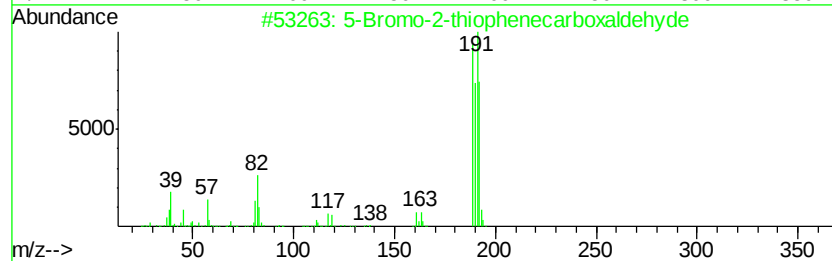
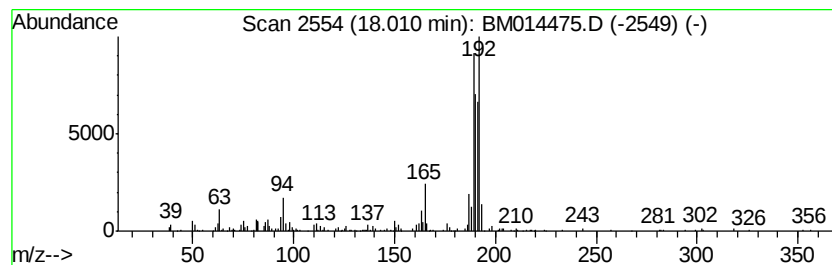
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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 13 5-Bromo-2-thiophenecarboxal... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.01	10.17 ng/ul	609090	Phenanthrene-d10	16.94

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	5-Bromo-2-thiophenecarboxaldehyde	190	C5H3BrOS	004701-17-1	58
2		Anthracene, 9-methyl-	192	C15H12	000779-02-2	55
3		Anthracene, 1-methyl-	192	C15H12	000610-48-0	50
4		Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	50
5		1a,9b-Dihydro-1H-cyclopropa[a]an...	192	C15H12	006109-24-6	50



Data Path : Z:\HPCHEM1\BNA M\DATA\BM030518\
Data File : BM014475.D
Acq On : 05 Mar 2018 16:24
Operator : SJ/JU
Sample : J1678-05DL 5X
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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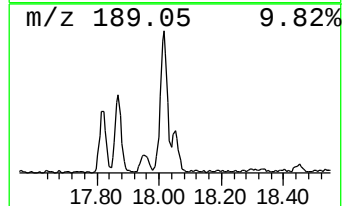
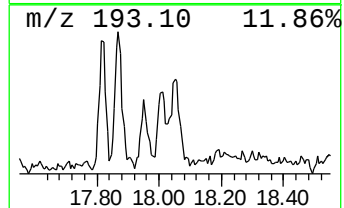
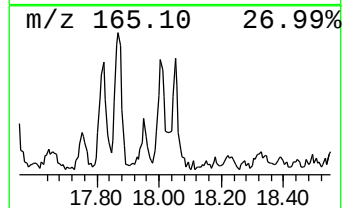
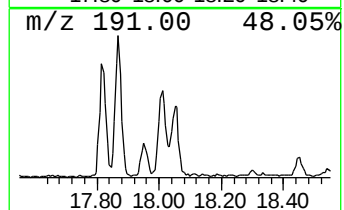
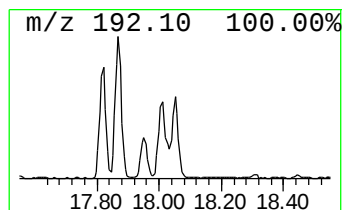
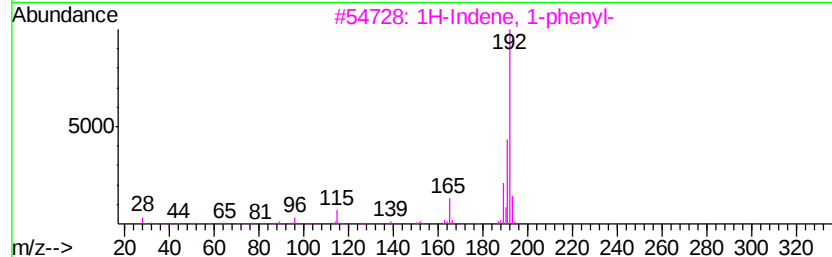
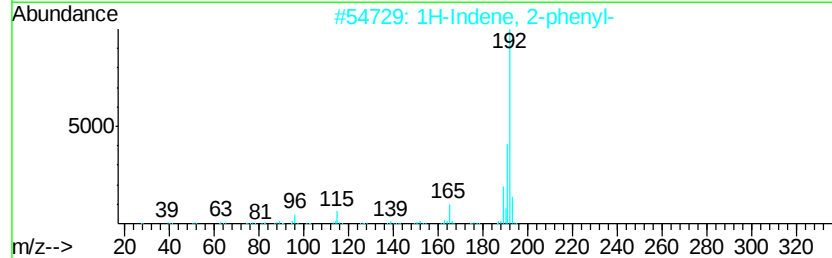
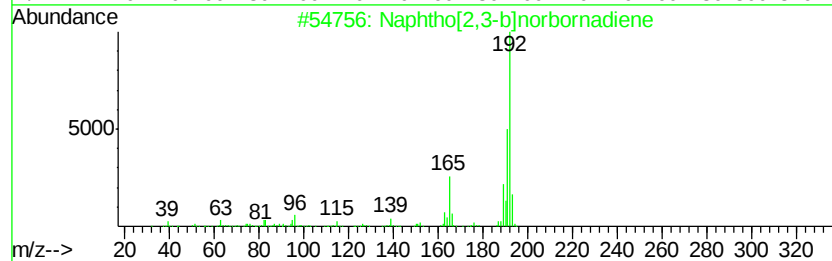
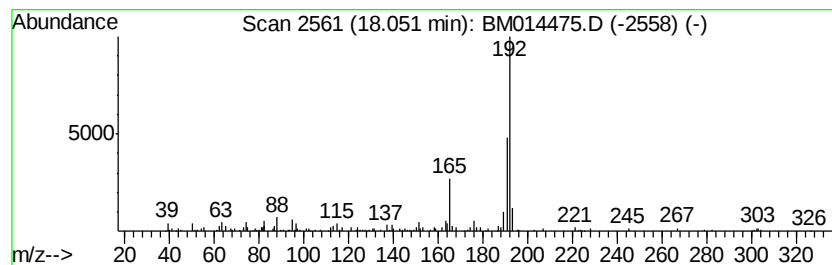
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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 14 Naphtho[2,3-b]norbornadiene Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.05	5.28 ng/ul	316270	Phenanthrene-d10	16.94

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphtho[2,3-b]norbornadiene	192	C15H12	107426-38-0	87
2		1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	83
3		1H-Indene, 1-phenyl-	192	C15H12	001961-96-2	83
4		Phenanthrene, 3-methyl-	192	C15H12	000832-71-3	81
5		Anthracene, 9-methyl-	192	C15H12	000779-02-2	81



Data Path : Z:\HPCHEM1\BNA M\DATA\BM030518\
Data File : BM014475.D
Acq On : 05 Mar 2018 16:24
Operator : SJ/JU
Sample : J1678-05DL 5X
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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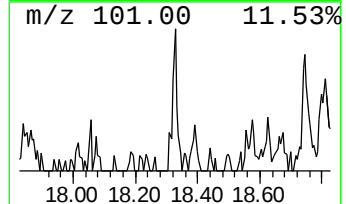
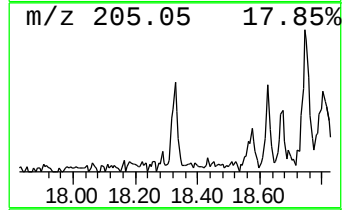
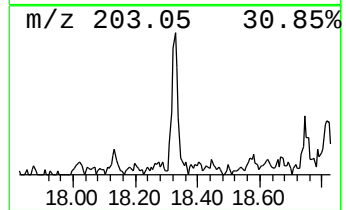
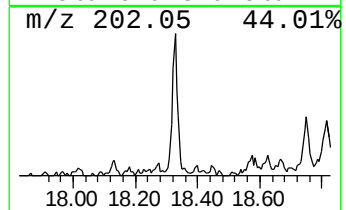
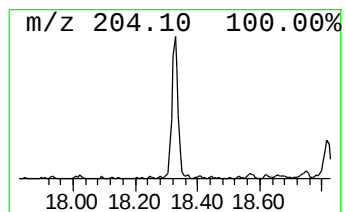
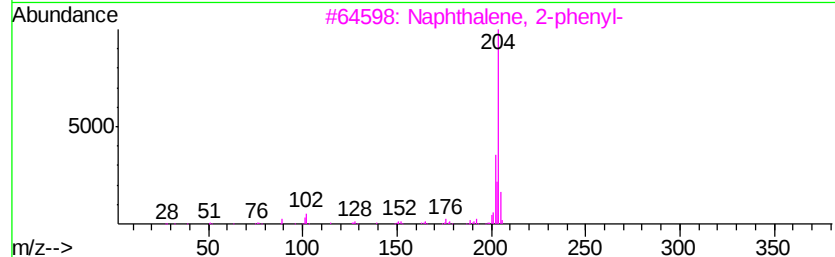
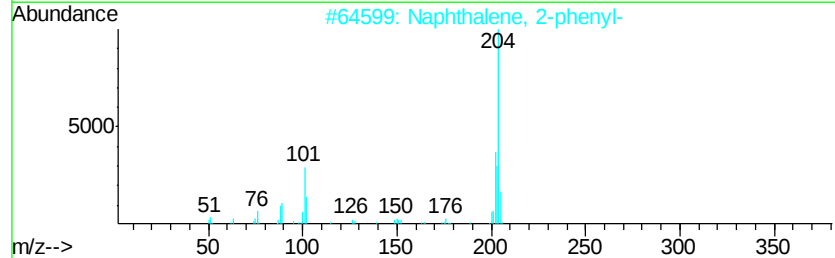
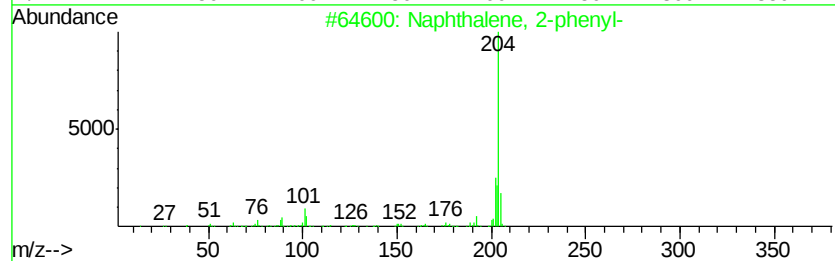
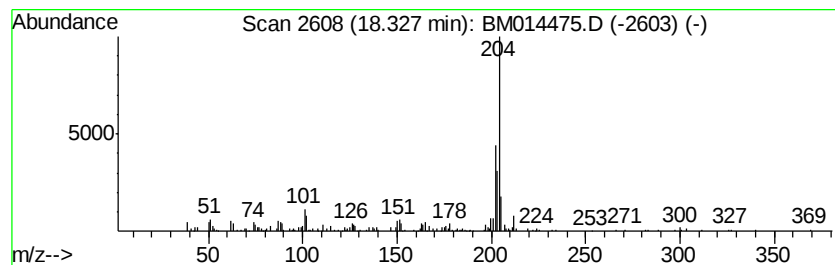
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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 15 Naphthalene, 2-phenyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.33	4.07 ng/ul	243515	Phenanthrene-d10	16.94

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	83
2			Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	64
3			Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	64
4			Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	64
5			Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	53



Data Path : Z:\HPCHEM1\BNA M\DATA\BM030518\
Data File : BM014475.D
Acq On : 05 Mar 2018 16:24
Operator : SJ/JU
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Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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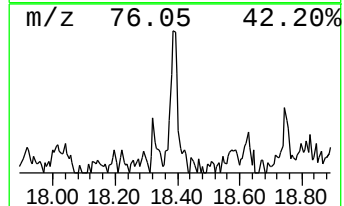
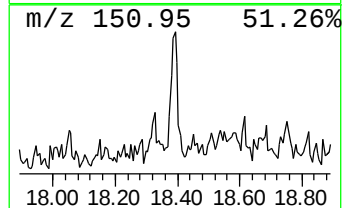
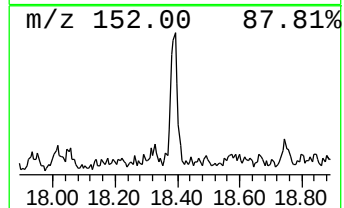
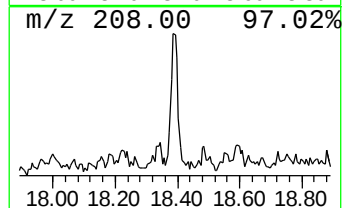
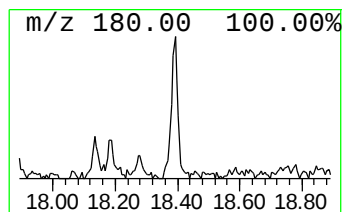
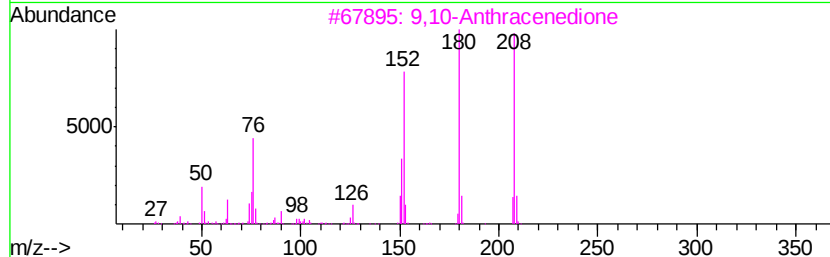
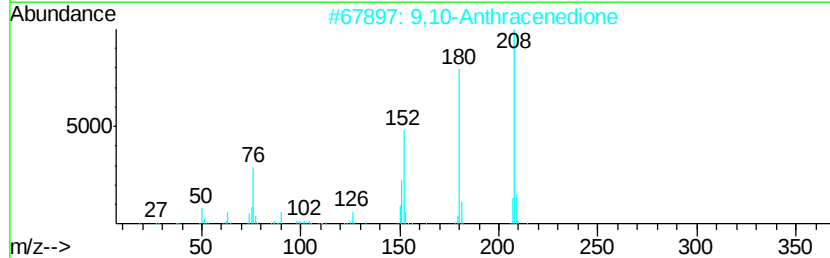
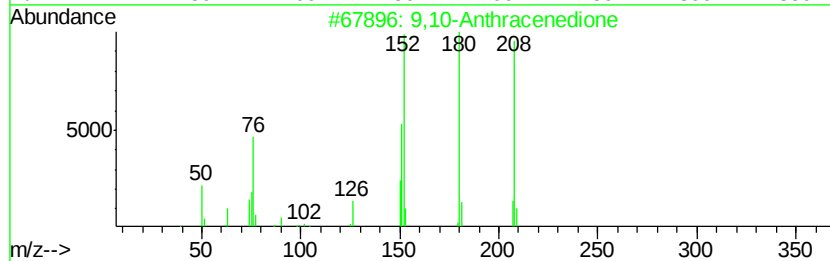
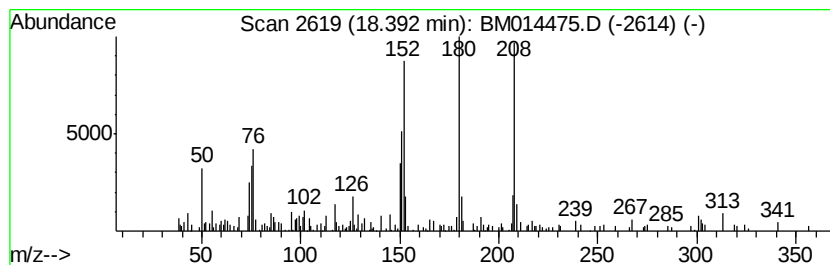
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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 16 9,10-Anthracenedione Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.39	3.59 ng/ul	214835	Phenanthrene-d10	16.94

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	9,10-Anthracenedione	208	C14H8O2	000084-65-1	90
2		9,10-Anthracenedione	208	C14H8O2	000084-65-1	90
3		9,10-Anthracenedione	208	C14H8O2	000084-65-1	87
4		9H-Fluoren-9-one	180	C13H8O	000486-25-9	86
5		9H-Fluoren-9-one	180	C13H8O	000486-25-9	86



Data Path : Z:\HPCHEM1\BNA M\DATA\BM030518\
Data File : BM014475.D
Acq On : 05 Mar 2018 16:24
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Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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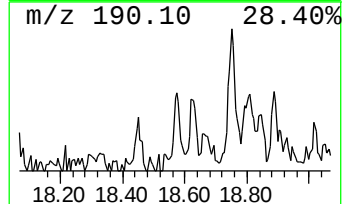
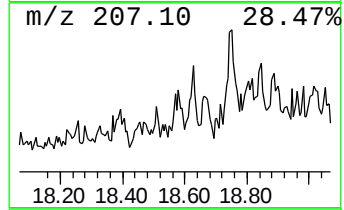
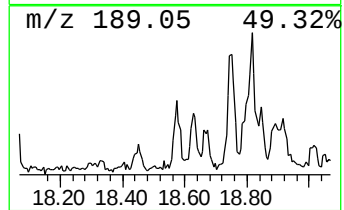
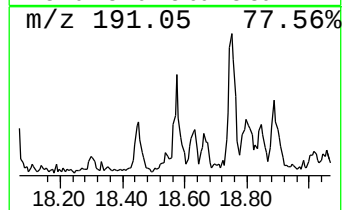
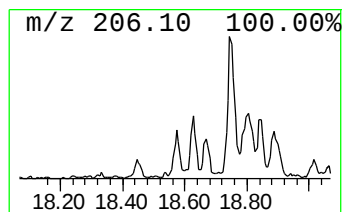
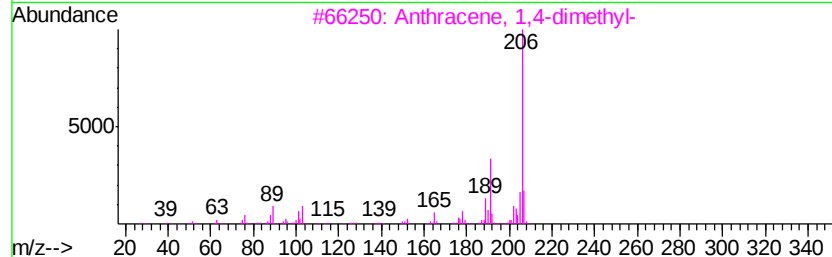
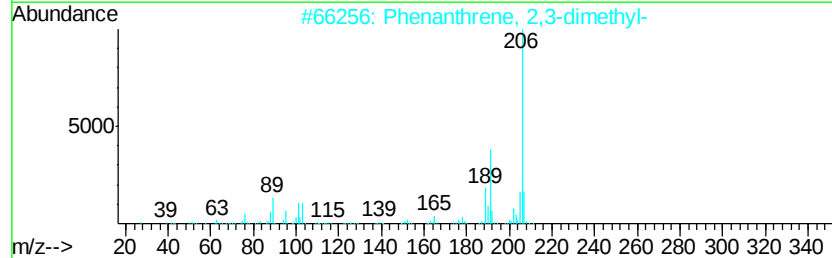
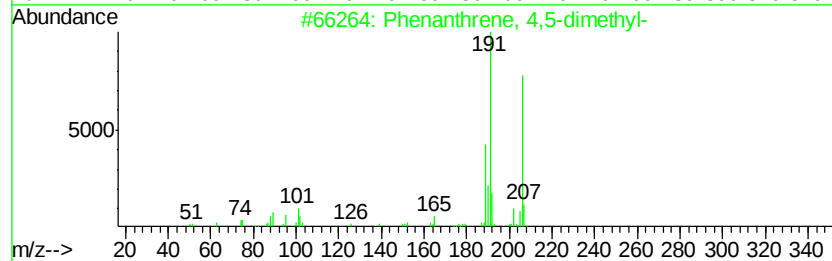
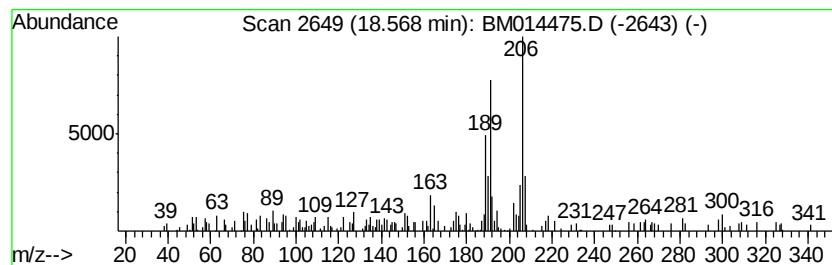
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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 17 Phenanthrene, 4,5-dimethyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.57	2.79 ng/ul	166876	Phenanthrene-d10	16.94

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Phenanthrene, 4,5-dimethyl-	206	C16H14	003674-69-9	87
2			Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	87
3			Anthracene, 1,4-dimethyl-	206	C16H14	000781-92-0	87
4			Phenanthrene, 4,5-dimethyl-	206	C16H14	003674-69-9	83
5			Phenanthrene, 4,5-dimethyl-	206	C16H14	003674-69-9	80



Data Path : Z:\HPCHEM1\BNA M\DATA\BM030518\
Data File : BM014475.D
Acq On : 05 Mar 2018 16:24
Operator : SJ/JU
Sample : J1678-05DL 5X
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
BE5T4DL

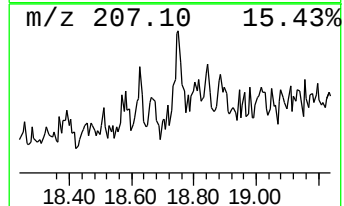
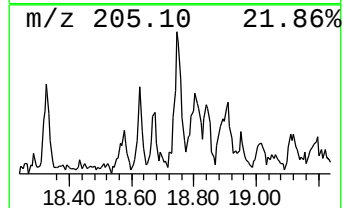
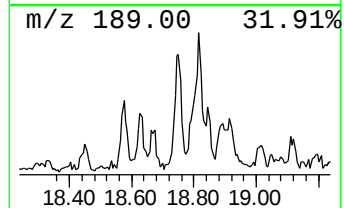
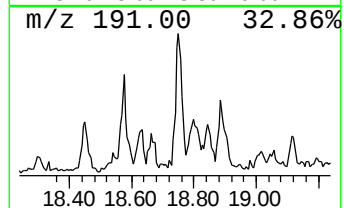
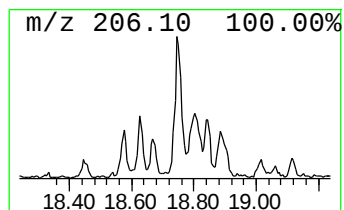
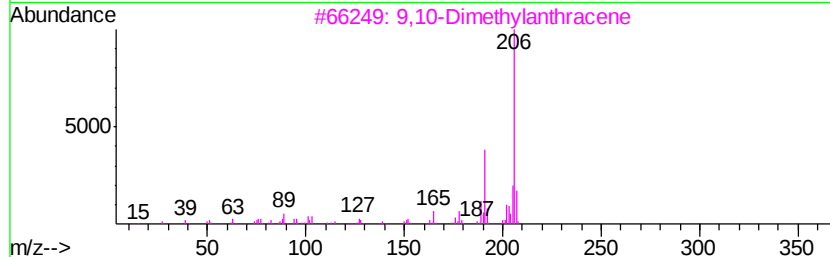
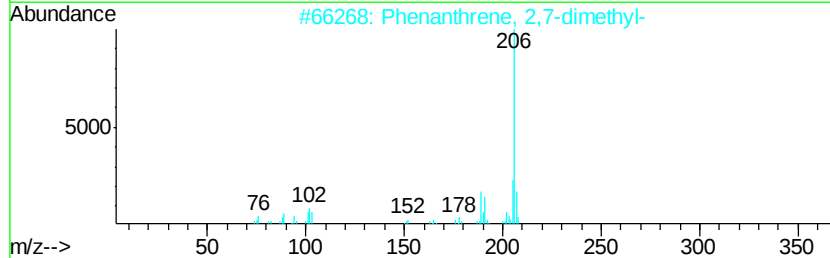
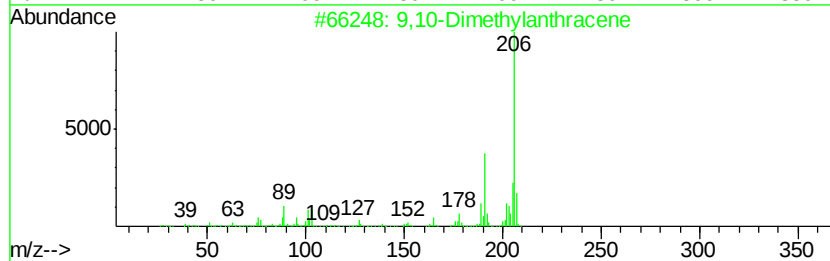
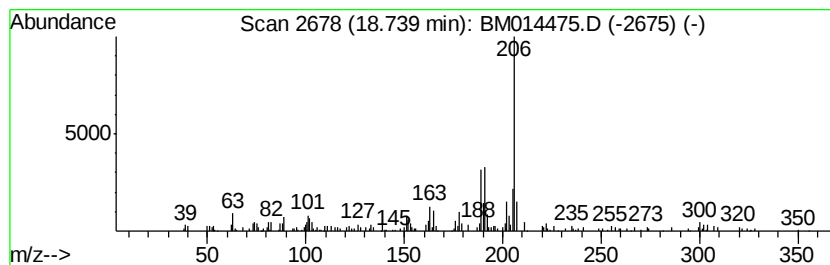
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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 18 9,10-Dimethylantracene Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.74	5.39 ng/ul	322965	Phenanthrene-d10	16.94

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	9,10-Dimethylantracene	206	C16H14	000781-43-1	93
2		Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	91
3		9,10-Dimethylantracene	206	C16H14	000781-43-1	91
4		Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	91
5		Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	90



Data Path : Z:\HPCHEM1\BNA M\DATA\BM030518\
Data File : BM014475.D
Acq On : 05 Mar 2018 16:24
Operator : SJ/JU
Sample : J1678-05DL 5X
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
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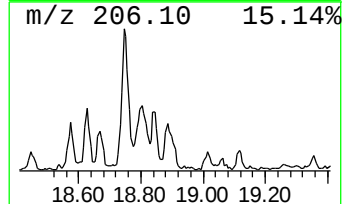
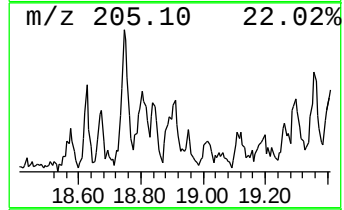
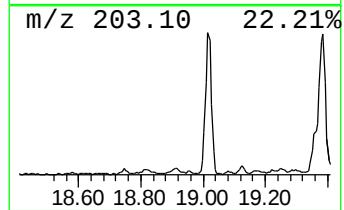
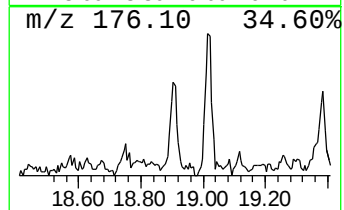
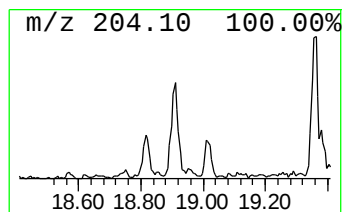
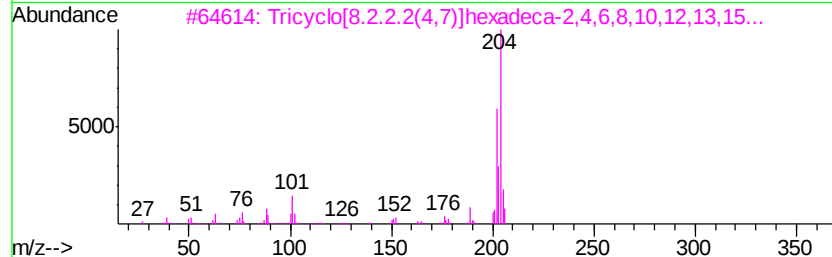
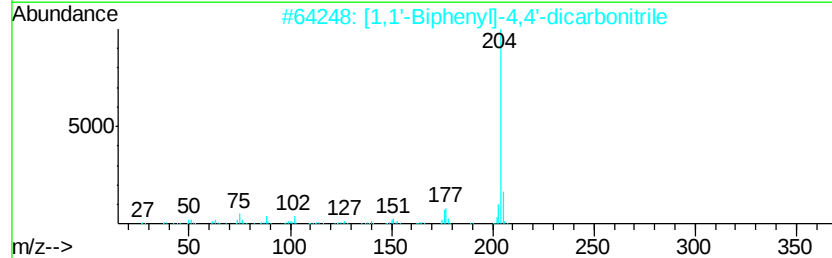
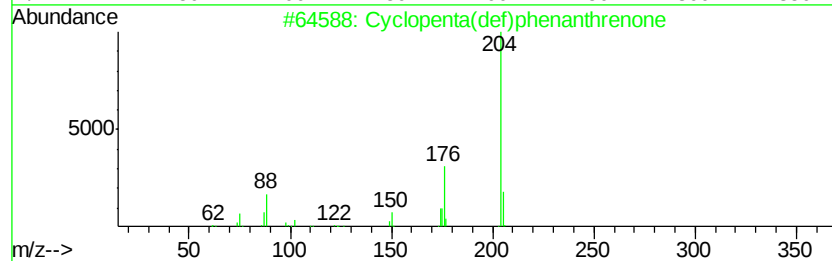
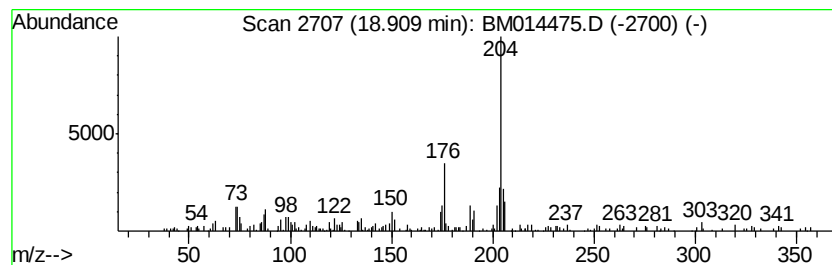
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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 19 Cyclopenta(def)phenanthrenone Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.91	5.34 ng/ul	319950	Phenanthrene-d10	16.94

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	64
2		[1,1'-Biphenyl]-4,4'-dicarbonitrile	204	C14H8N2	001591-30-6	50
3		Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	50
4		Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	47
5		[1,1'-Biphenyl]-4,4'-dicarbonitrile	204	C14H8N2	001591-30-6	47



Data Path : Z:\HPCHEM1\BNA M\DATA\BM030518\
Data File : BM014475.D
Acq On : 05 Mar 2018 16:24
Operator : SJ/JU
Sample : J1678-05DL 5X
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
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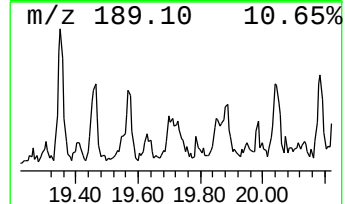
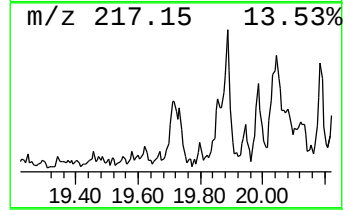
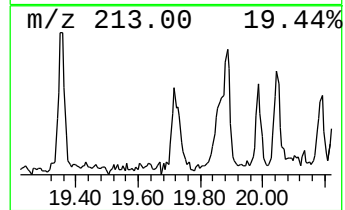
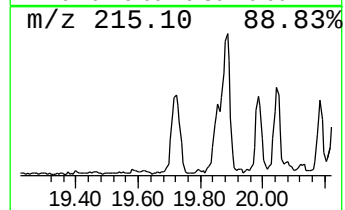
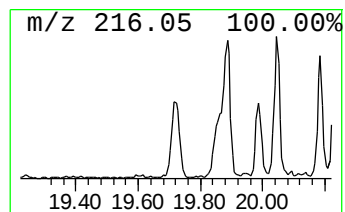
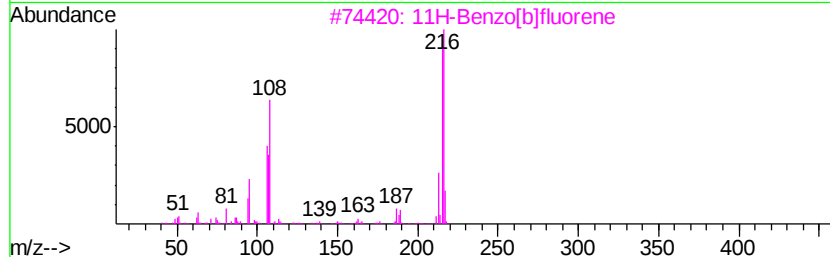
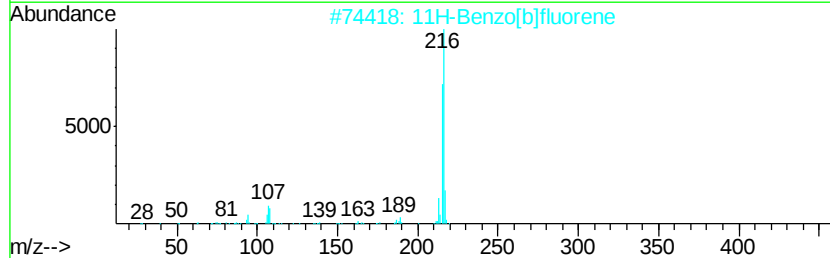
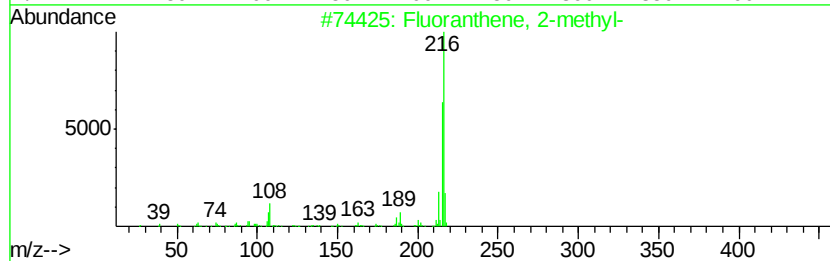
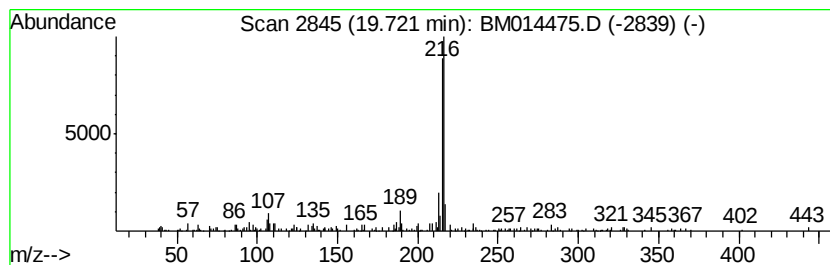
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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 20 Fluoranthene, 2-methyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.72	2.91 ng/ul	360371	Chrysene-d12	21.16

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	91
2		11H-Benzo[b]fluorene	216	C17H12	000243-17-4	90
3		11H-Benzo[b]fluorene	216	C17H12	000243-17-4	87
4		11H-Benzo[a]fluorene	216	C17H12	000238-84-6	86
5		Pyrene, 1-methyl-	216	C17H12	002381-21-7	83



Data Path : Z:\HPCHEM1\BNA M\DATA\BM030518\
Data File : BM014475.D
Acq On : 05 Mar 2018 16:24
Operator : SJ/JU
Sample : J1678-05DL 5X
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
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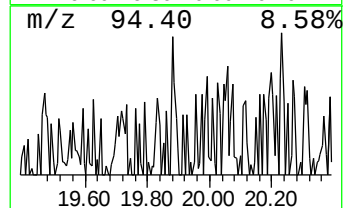
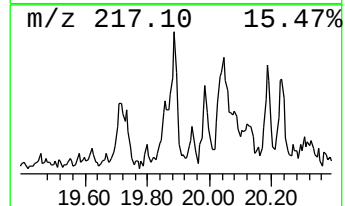
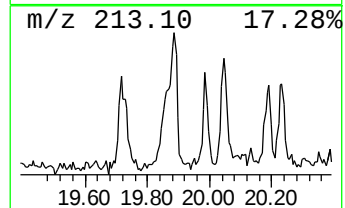
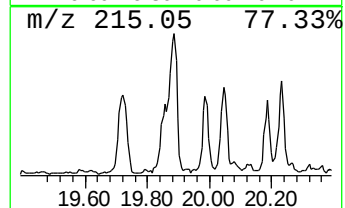
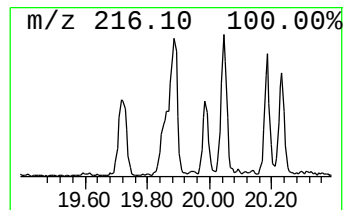
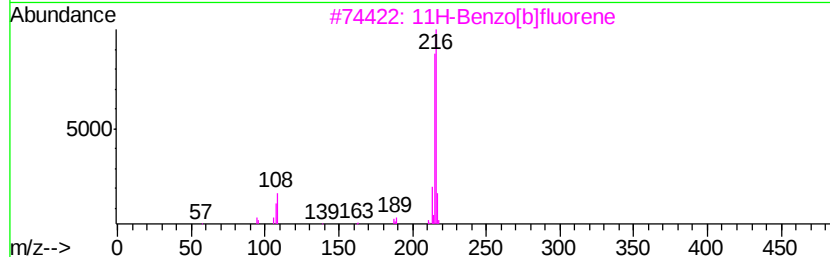
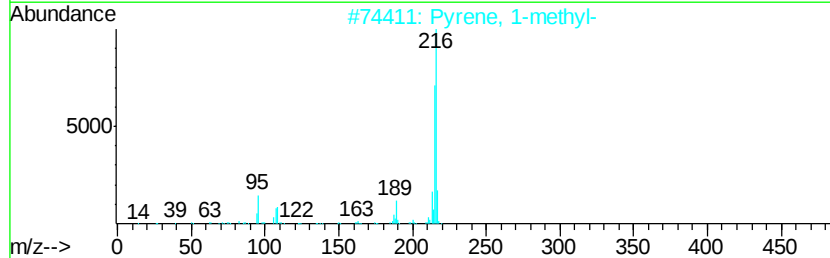
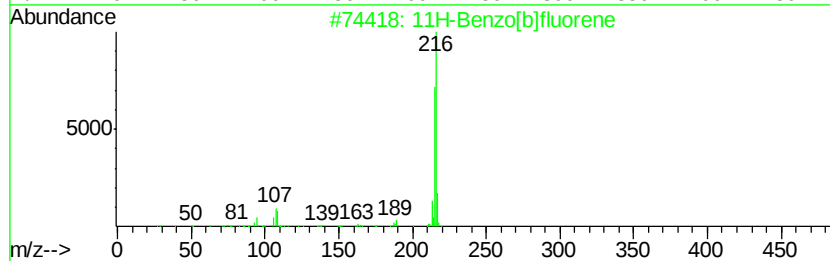
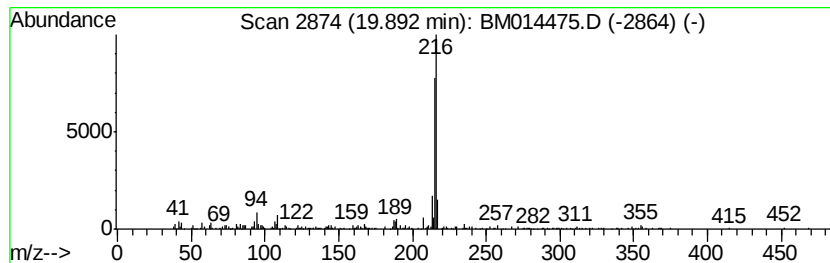
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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 21 11H-Benzo[b]fluorene Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.89	4.97 ng/ul	614808	Chrysene-d12	21.16

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	97
2		Pyrene, 1-methyl-	216	C17H12	002381-21-7	94
3		11H-Benzo[b]fluorene	216	C17H12	000243-17-4	91
4		11H-Benzo[a]fluorene	216	C17H12	000238-84-6	81
5		11H-Benzo[b]fluorene	216	C17H12	000243-17-4	81



Data Path : Z:\HPCHEM1\BNA_M\DATA\BM030518\
 Data File : BM014475.D
 Acq On : 05 Mar 2018 16:24
 Operator : SJ/JU
 Sample : J1678-05DL 5X
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
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Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM021418.M
 Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
 TIC Integration Parameters: LSCINT.P

TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--			
					#	RT	Resp	Conc
Benzocycloheptatr...	12.19	2.2	ng/ul	100555	2	10.29	926796	20.0
Naphthalene, 2,7-...	13.49	2.3	ng/ul	128916	3	14.17	1135100	20.0
Ethylene, 1,1-dip...	16.24	2.1	ng/ul	127475	4	16.94	1197970	20.0
Naphthalene, 2,3,...	16.52	2.6	ng/ul	155499	4	16.94	1197970	20.0
9H-Fluoren-9-one	16.61	2.0	ng/ul	120652	4	16.94	1197970	20.0
unknown-01	16.69	2.9	ng/ul	171714	4	16.94	1197970	20.0
Dibenzothiophene	16.76	2.6	ng/ul	155250	4	16.94	1197970	20.0
unknown-02	17.14	2.5	ng/ul	147123	4	16.94	1197970	20.0
Dibenzothiophene,...	17.53	2.5	ng/ul	152120	4	16.94	1197970	20.0
Phenanthrene, 1-m...	17.82	8.4	ng/ul	505675	4	16.94	1197970	20.0
Phenanthrene, 2-m...	17.87	12.2	ng/ul	730970	4	16.94	1197970	20.0
Anthracene, 1-met...	17.95	2.8	ng/ul	165086	4	16.94	1197970	20.0
5-Bromo-2-thiophe...	18.01	10.2	ng/ul	609090	4	16.94	1197970	20.0
Naphtho[2,3-b]nor...	18.05	5.3	ng/ul	316270	4	16.94	1197970	20.0
Naphthalene, 2-ph...	18.33	4.1	ng/ul	243515	4	16.94	1197970	20.0
9,10-Anthracenedione	18.39	3.6	ng/ul	214835	4	16.94	1197970	20.0
Phenanthrene, 4,5...	18.57	2.8	ng/ul	166876	4	16.94	1197970	20.0
9,10-Dimethylanthe...	18.74	5.4	ng/ul	322965	4	16.94	1197970	20.0
Cyclopenta(def)ph...	18.91	5.3	ng/ul	319950	4	16.94	1197970	20.0
Fluoranthene, 2-m...	19.72	2.9	ng/ul	360371	5	21.16	2473050	20.0
11H-Benzo[b]fluorene	19.89	5.0	ng/ul	614808	5	21.16	2473050	20.0