

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM020816\
 Data File : BM004199.D
 Acq On : 08 Feb 2016 14:35
 Operator : SJ/IZ
 Sample : H1340-13 5X
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 C04K3

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:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM012016.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	4.081	165	169	180	rBV2	22643	31571	1.54%	0.147%
2	5.304	372	377	387	rBB	39800	79375	3.88%	0.369%
3	5.675	435	440	445	rBB	24239	32567	1.59%	0.151%
4	7.657	771	777	784	rBB	77655	119175	5.83%	0.554%
5	10.445	1244	1251	1257	rBV	128459	212716	10.40%	0.989%
6	13.722	1804	1808	1813	rBV	35260	46491	2.27%	0.216%
7	14.004	1851	1856	1865	rBB	41287	58390	2.86%	0.272%
8	14.316	1903	1909	1915	rBV2	212318	322329	15.77%	1.499%
9	14.380	1915	1920	1925	rVB	51110	70588	3.45%	0.328%
10	15.310	2073	2078	2083	rBV	63113	85055	4.16%	0.396%
11	15.368	2083	2088	2093	rVB	32695	43772	2.14%	0.204%
12	17.068	2371	2377	2380	rBV	307720	432881	21.17%	2.013%
13	17.110	2380	2384	2389	rVV	450716	607803	29.73%	2.827%
14	17.162	2389	2393	2396	rVV	73692	104650	5.12%	0.487%
15	17.198	2396	2399	2406	rVV	111100	146686	7.17%	0.682%
16	17.474	2439	2446	2451	rVV	41880	57796	2.83%	0.269%
17	17.945	2519	2526	2530	rBV	48685	67529	3.30%	0.314%
18	17.992	2530	2534	2539	rVB	73774	97990	4.79%	0.456%
19	18.074	2542	2548	2553	rBV	28624	38215	1.87%	0.178%
20	18.139	2553	2559	2563	rBV3	106098	174236	8.52%	0.810%
21	18.174	2563	2565	2572	rVB	34618	40423	1.98%	0.188%
22	18.445	2605	2611	2616	rBV	42223	56737	2.78%	0.264%
23	18.498	2616	2620	2625	rVB	27118	36515	1.79%	0.170%
24	18.868	2678	2683	2690	rBV2	29609	61830	3.02%	0.288%
25	18.933	2690	2694	2697	rVV2	19279	32410	1.59%	0.151%
26	19.015	2703	2708	2716	rVB2	34682	58993	2.89%	0.274%
27	19.139	2722	2729	2734	rBV	1149861	1552471	75.93%	7.220%
28	19.192	2734	2738	2742	rVB2	46557	56861	2.78%	0.264%
29	19.239	2742	2746	2750	rVB2	21309	27240	1.33%	0.127%
30	19.380	2764	2770	2780	rVB2	32401	66574	3.26%	0.310%
31	19.474	2780	2786	2788	rBV3	344177	516865	25.28%	2.404%
32	19.503	2788	2791	2799	rVB	1001211	1308242	63.99%	6.084%
33	19.574	2799	2803	2809	rVB2	48230	65438	3.20%	0.304%
34	19.680	2811	2821	2826	rBV	64673	99818	4.88%	0.464%

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35	19.745	2827	2832	2837	rBV	64563	92748	4.54%	0.431%
36	19.827	2840	2846	2853	rBV3	65982	164612	8.05%	0.766%
37	19.886	2853	2856	2861	rVV	21883	27140	1.33%	0.126%
38	19.962	2864	2869	2872	rBV4	42976	81977	4.01%	0.381%
39	20.003	2872	2876	2881	rVB	190993	256448	12.54%	1.193%
40	20.103	2888	2893	2897	rBV	155071	200501	9.81%	0.932%
41	20.162	2897	2903	2906	rVV2	100110	181900	8.90%	0.846%
42	20.198	2906	2909	2913	rVV	83324	102680	5.02%	0.478%
43	20.239	2913	2916	2921	rVB	30949	43302	2.12%	0.201%
44	20.303	2922	2927	2930	rBV	47727	62100	3.04%	0.289%
45	20.350	2930	2935	2938	rVV3	50732	70042	3.43%	0.326%
46	20.633	2980	2983	2987	rVB2	31983	46977	2.30%	0.218%
47	20.715	2993	2997	3000	rBV4	34430	56813	2.78%	0.264%
48	20.756	3000	3004	3011	rVB	102781	137891	6.74%	0.641%
49	20.921	3024	3032	3035	rBV3	130899	206767	10.11%	0.962%
50	20.962	3035	3039	3042	rVV	109835	157487	7.70%	0.732%
51	21.003	3042	3046	3050	rVV2	115467	214619	10.50%	0.998%
52	21.056	3050	3055	3062	rVB2	112098	179434	8.78%	0.834%
53	21.162	3065	3073	3074	rBV	46908	79377	3.88%	0.369%
54	21.186	3074	3077	3081	rVV	246986	286528	14.01%	1.332%
55	21.268	3081	3091	3096	rVV3	972520	2044556	100.00%	9.508%
56	21.315	3096	3099	3109	rVB	783322	994711	48.65%	4.626%
57	21.392	3109	3112	3115	rBV3	22190	31038	1.52%	0.144%
58	21.433	3115	3119	3126	rVV	193601	276495	13.52%	1.286%
59	21.492	3126	3129	3132	rVV4	33211	59414	2.91%	0.276%
60	21.539	3134	3137	3141	rVV	70458	96417	4.72%	0.448%
61	21.592	3141	3146	3151	rVB2	107960	171837	8.40%	0.799%
62	21.639	3151	3154	3158	rBV3	24356	31249	1.53%	0.145%
63	21.727	3163	3169	3172	rBV3	27150	52394	2.56%	0.244%
64	21.768	3172	3176	3179	rVV2	43333	65670	3.21%	0.305%
65	21.827	3179	3186	3189	rVV	145641	254195	12.43%	1.182%
66	21.874	3191	3194	3200	rVV	87064	162107	7.93%	0.754%
67	21.939	3203	3205	3208	rVV2	48513	69589	3.40%	0.324%
68	21.980	3208	3212	3215	rVV2	65216	105411	5.16%	0.490%
69	22.027	3215	3220	3222	rVV2	107863	184599	9.03%	0.858%
70	22.056	3222	3225	3231	rVV4	120614	198256	9.70%	0.922%
71	22.115	3231	3235	3240	rVB2	61798	101720	4.98%	0.473%

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72	22.197	3245	3249	3255	rVB4	15734	29688	1.45%	0.138%
73	22.309	3263	3268	3272	rBV3	78343	164219	8.03%	0.764%
74	22.592	3311	3316	3322	rBV2	57310	117202	5.73%	0.545%
75	22.756	3341	3344	3350	rVB	21543	34351	1.68%	0.160%
76	22.850	3350	3360	3364	rBV	634400	1522608	74.47%	7.081%
77	23.015	3382	3388	3393	rBV	116508	189015	9.24%	0.879%
78	23.144	3405	3410	3418	rBV2	46960	130031	6.36%	0.605%
79	23.227	3418	3424	3427	rBV5	28731	66193	3.24%	0.308%
80	23.321	3433	3440	3445	rBV	354665	666306	32.59%	3.099%
81	23.368	3445	3448	3451	rVV	73005	117922	5.77%	0.548%
82	23.415	3451	3456	3463	rVB	525479	956474	46.78%	4.448%
83	23.515	3465	3473	3477	rBV	311918	611125	29.89%	2.842%
84	23.562	3477	3481	3488	rVB2	174929	336243	16.45%	1.564%
85	23.768	3511	3516	3520	rBV2	25106	54471	2.66%	0.253%
86	23.991	3550	3554	3560	rVV3	22357	45017	2.20%	0.209%
87	24.056	3560	3565	3574	rVB4	25919	62294	3.05%	0.290%
88	24.374	3613	3619	3632	rVB2	37730	101095	4.94%	0.470%
89	24.609	3655	3659	3672	rVB4	15372	41747	2.04%	0.194%
90	25.074	3733	3738	3743	rBV3	19452	40699	1.99%	0.189%
91	25.456	3792	3803	3807	rBV2	34884	104886	5.13%	0.488%
92	25.515	3809	3813	3821	rVV	35156	97324	4.76%	0.453%
93	25.603	3822	3828	3834	rVV7	19223	57788	2.83%	0.269%
94	25.674	3836	3840	3845	rVV2	20382	47486	2.32%	0.221%
95	25.762	3845	3855	3865	rVV	241068	694622	33.97%	3.230%
96	25.868	3867	3873	3883	rVB	17669	47525	2.32%	0.221%
97	26.015	3890	3898	3905	rBV2	44413	115174	5.63%	0.536%
98	26.103	3907	3913	3922	rBV	30086	86167	4.21%	0.401%
99	26.450	3961	3972	3991	rBV	134703	462570	22.62%	2.151%
100	26.815	4027	4034	4050	rVB2	36346	143648	7.03%	0.668%

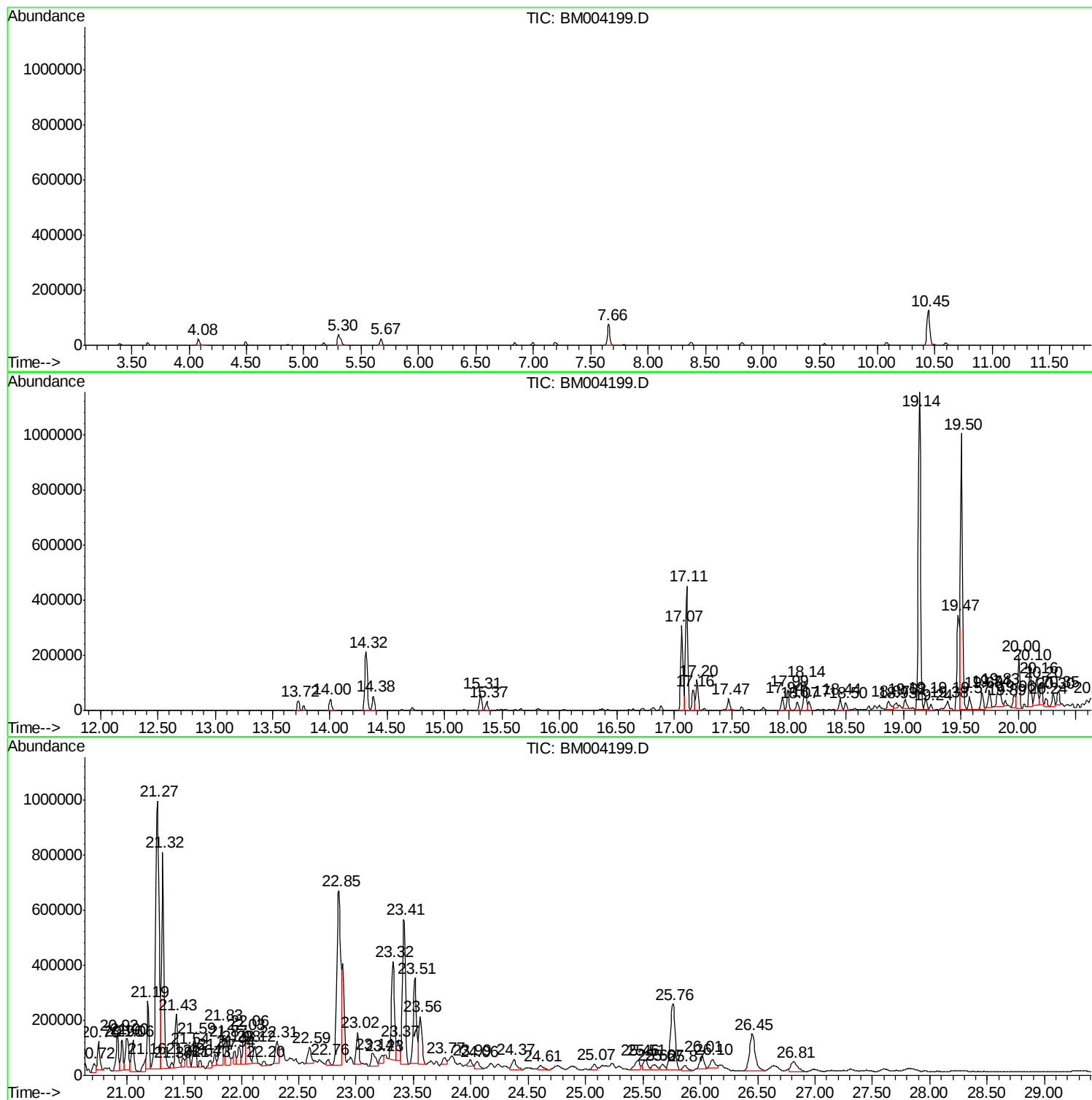
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Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM012016.M
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TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P



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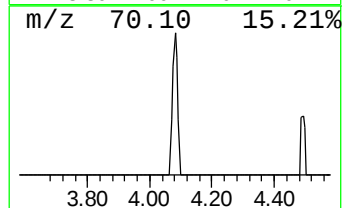
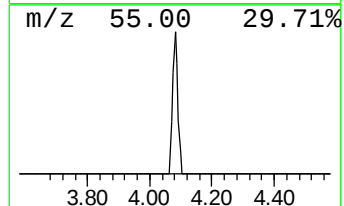
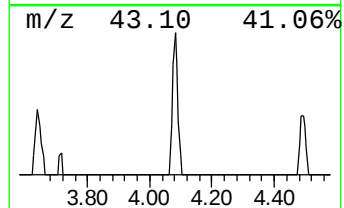
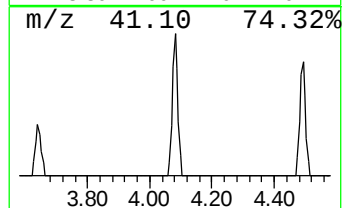
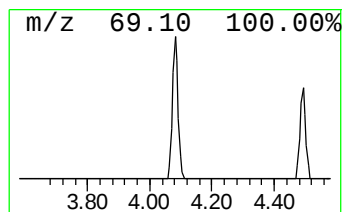
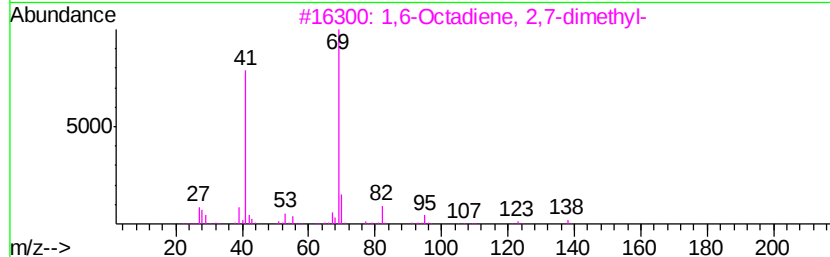
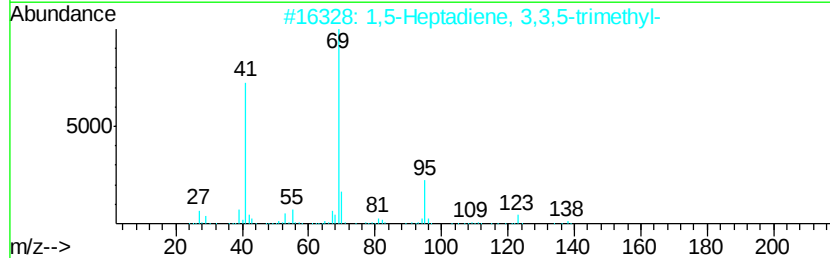
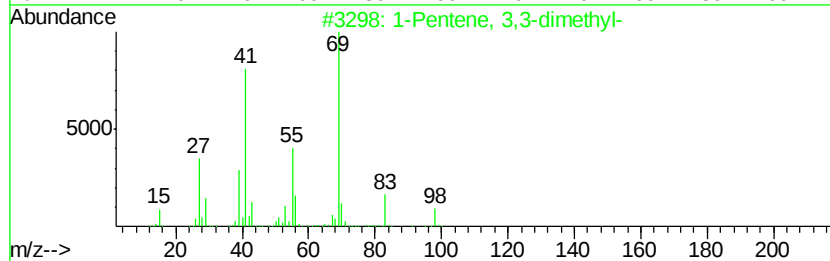
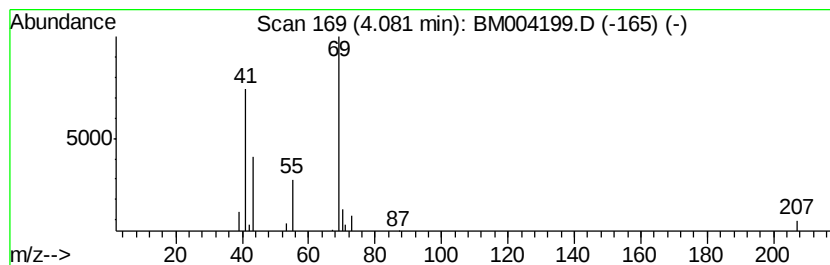
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM012016.M
Quant Title : SVOA CALIBRATION

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

Peak Number 1 (DEL) Alkane: Cyclic4.08 Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.08	5.30 ng/ul	31571	1,4-Dichlorobenzene-d4	7.66

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	1-Pentene, 3,3-dimethyl-	98	C7H14	003404-73-7	64
2		1,5-Heptadiene, 3,3,5-trimethyl-	138	C10H18	074630-29-8	39
3		1,6-Octadiene, 2,7-dimethyl-	138	C10H18	040195-09-3	39
4		1,5-Heptadiene, 2,3,6-trimethyl-	138	C10H18	033501-88-1	9
5		1-Hexene, 3,5-dimethyl-	112	C8H16	007423-69-0	9



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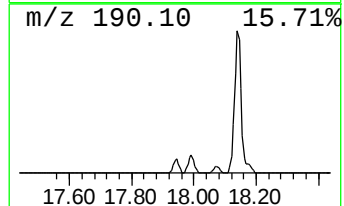
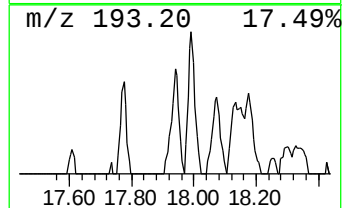
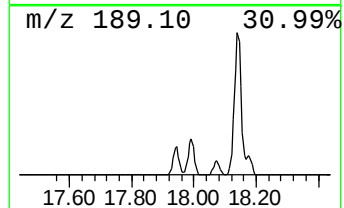
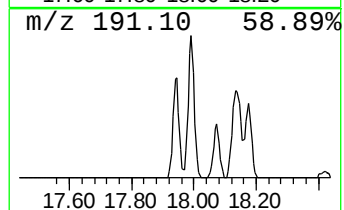
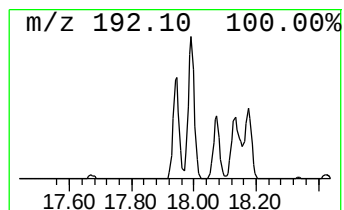
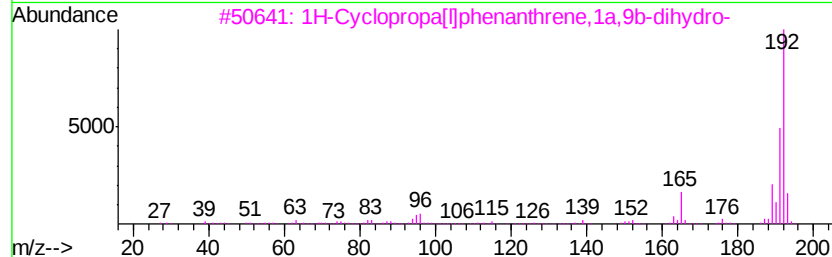
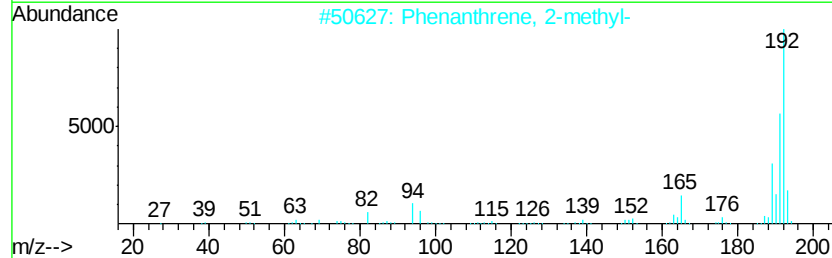
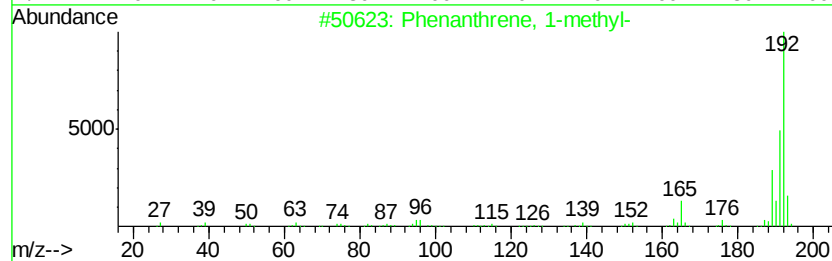
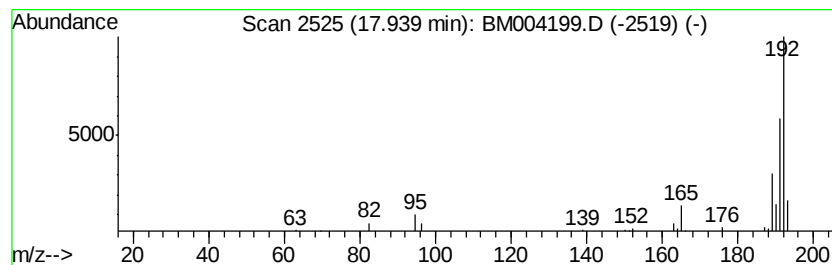
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TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 4 Phenanthrene, 1-methyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.94	3.12 ng/ul	67529	Phenanthrene-d10	17.07

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
2		Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
3		1H-Cyclopropa[1]phenanthrene, 1a, ...	192	C15H12	000949-41-7	95
4		Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	95
5		Anthracene, 1-methyl-	192	C15H12	000610-48-0	94



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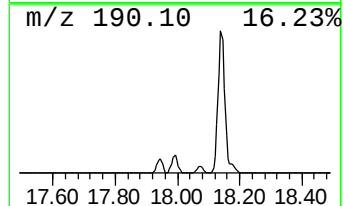
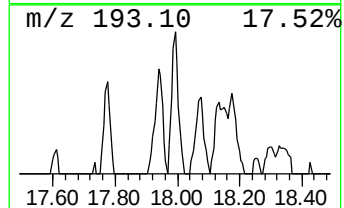
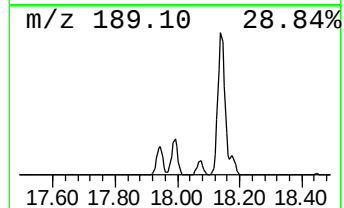
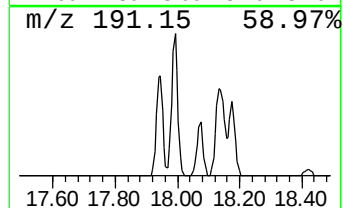
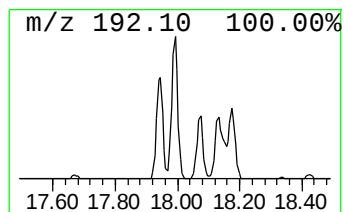
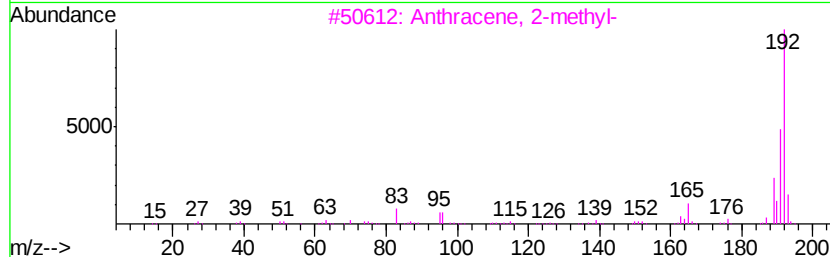
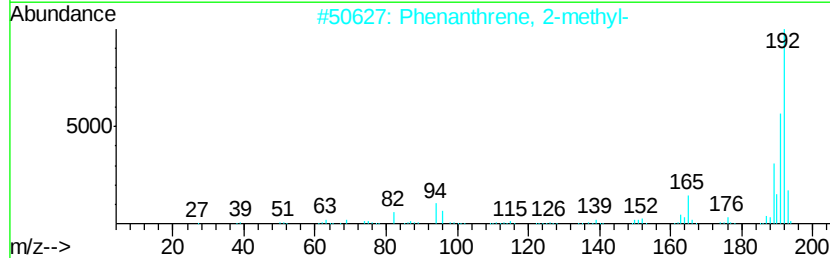
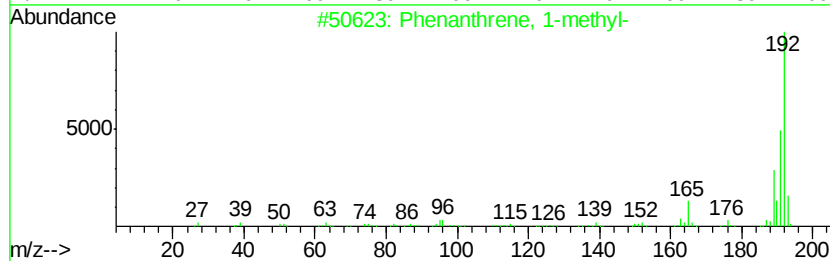
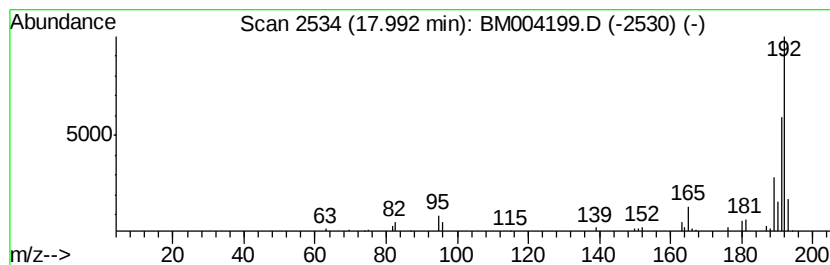
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Peak Number 5 Phenanthrene, 2-methyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.	
17.99	4.53 ng/ul	97990	Phenanthrene-d10	17.07	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	97
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
4	Anthracene, 1-methyl-	192	C15H12	000610-48-0	95
5	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	95



Data Path : Z:\HPCHEM1\BNA_M\DATA\BM020816\
Data File : BM004199.D
Acq On : 08 Feb 2016 14:35
Operator : SJ/IZ
Sample : H1340-13 5X
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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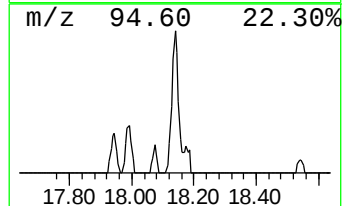
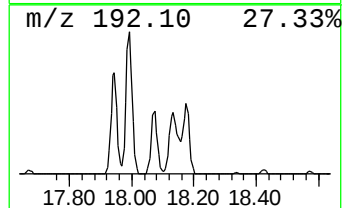
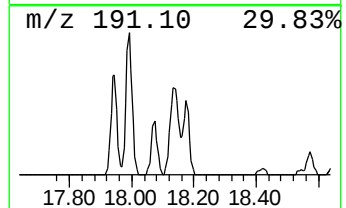
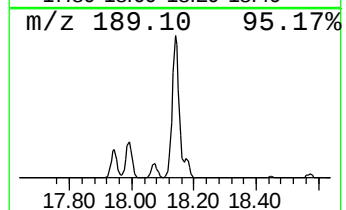
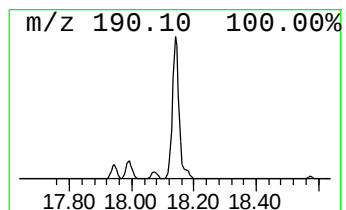
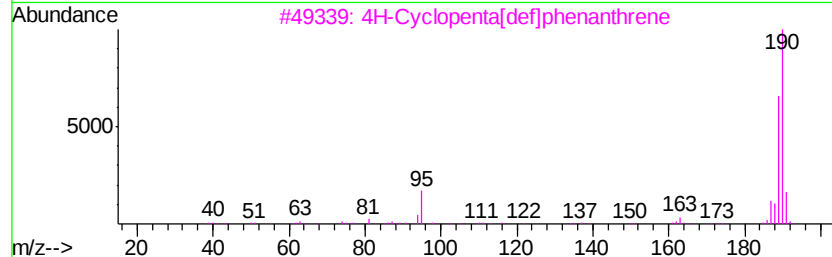
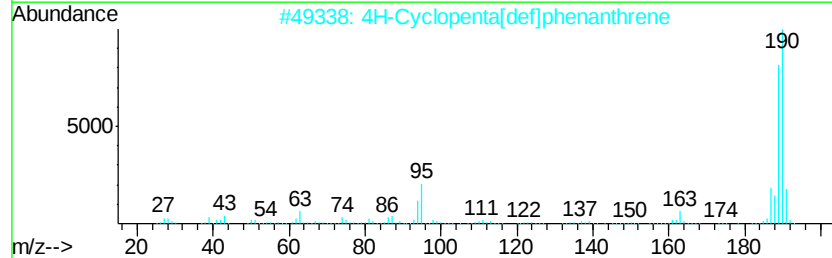
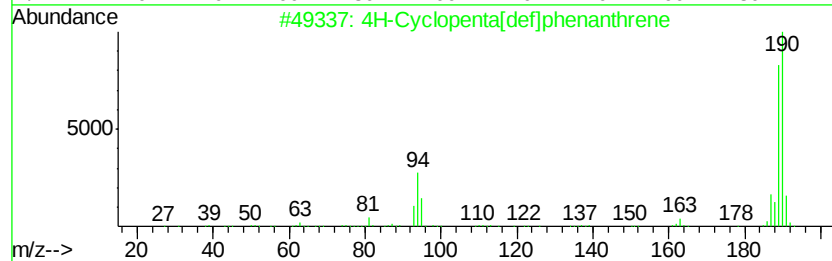
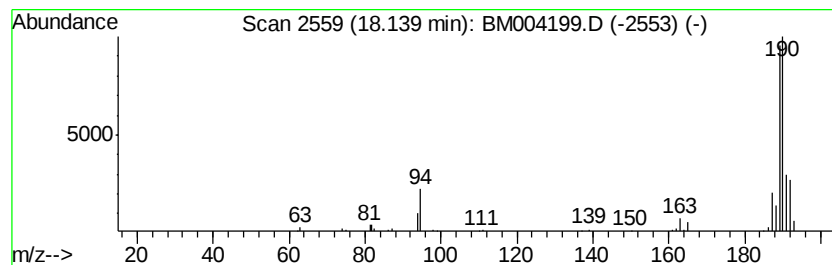
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Quant Title : SVOA CALIBRATION

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

Peak Number 6 4H-Cyclopenta[def]phenanthrene Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.14	8.05 ng/ul	174236	Phenanthrene-d10	17.07

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	93
2		4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	76
3		4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	76
4		Methyl diselenide	190	C2H6Se2	007101-31-7	55
5		6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	50



Data Path : Z:\HPCHEM1\BNA_M\DATA\BM020816\
Data File : BM004199.D
Acq On : 08 Feb 2016 14:35
Operator : SJ/IZ
Sample : H1340-13 5X
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
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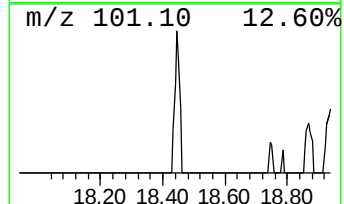
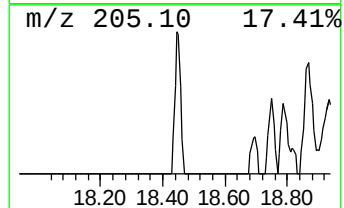
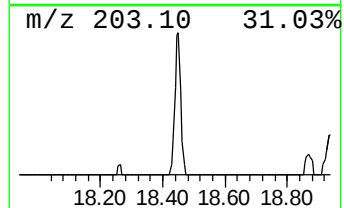
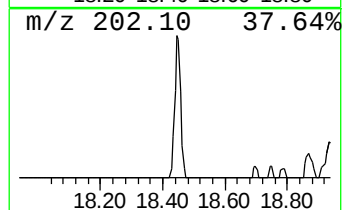
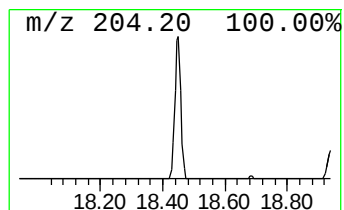
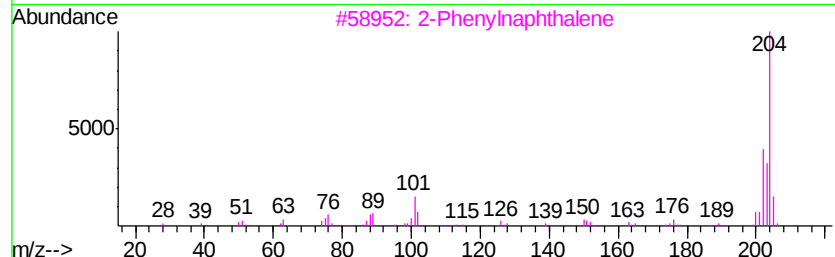
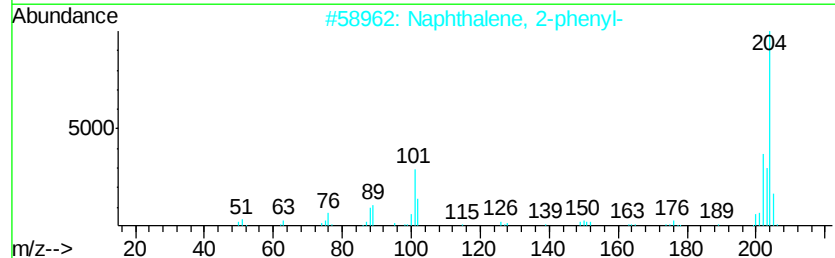
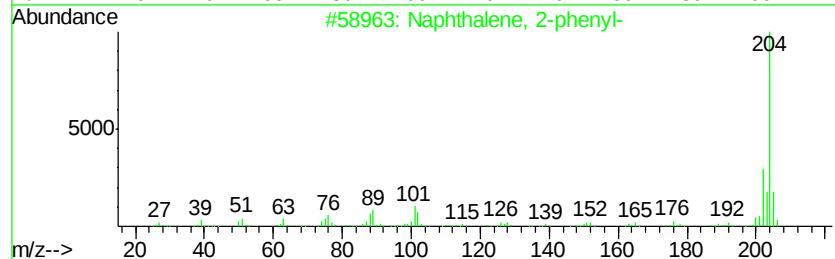
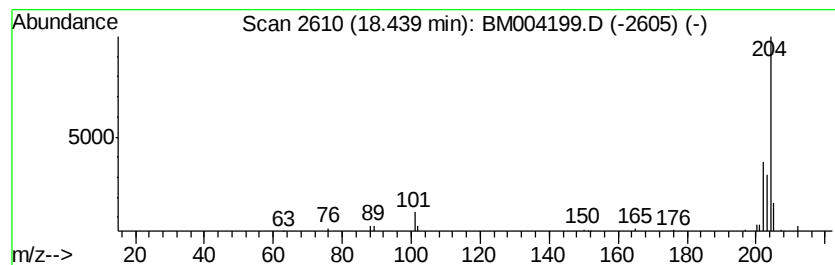
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Quant Title : SVOA CALIBRATION

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

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.44	2.62 ng/ul	56737	Phenanthrene-d10	17.07

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	91
2		Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	86
3		2-Phenylnaphthalene	204	C16H12	035465-71-5	86
4		5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	86
5		Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	70



Data Path : Z:\HPCHEM1\BNA_M\DATA\BM020816\
Data File : BM004199.D
Acq On : 08 Feb 2016 14:35
Operator : SJ/IZ
Sample : H1340-13 5X
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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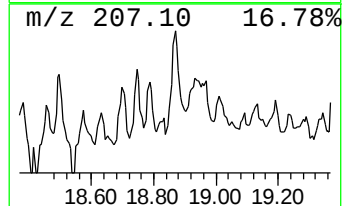
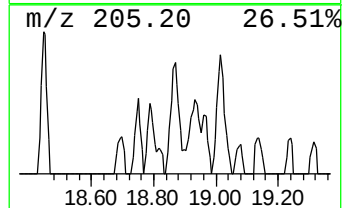
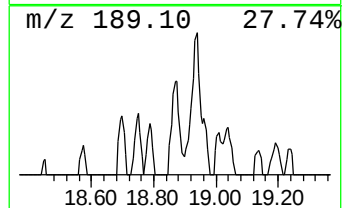
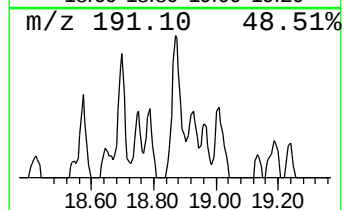
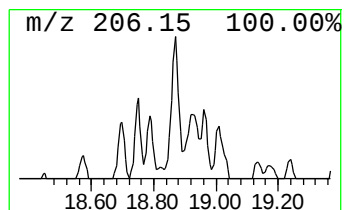
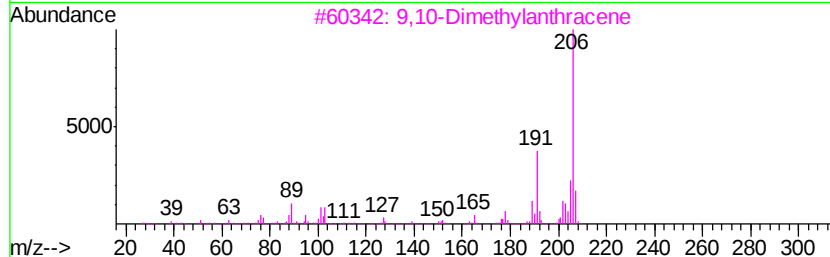
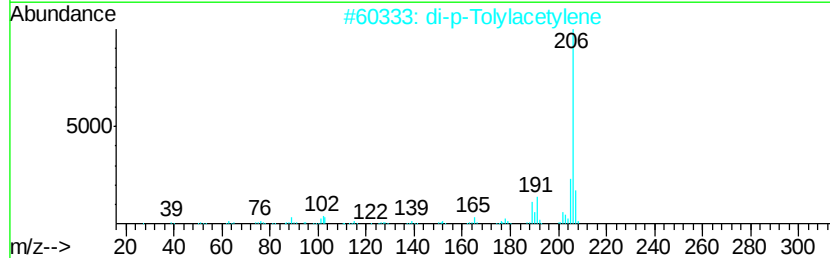
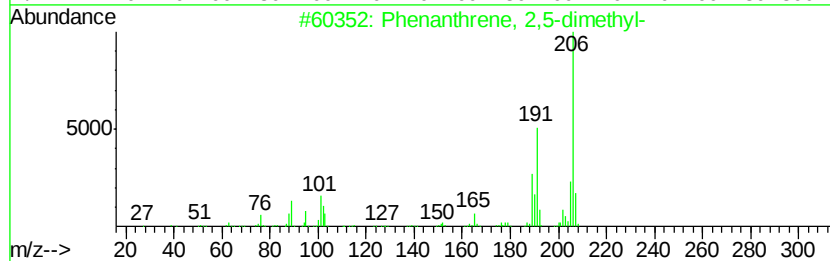
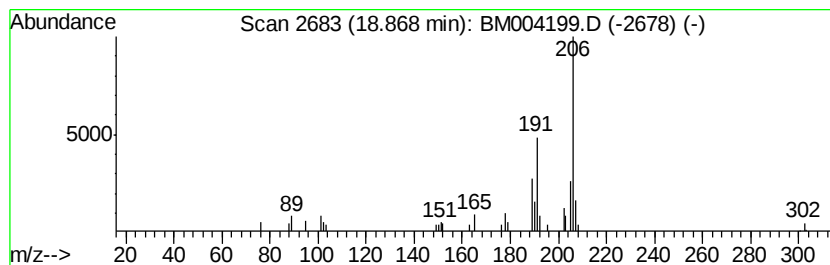
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Quant Title : SVOA CALIBRATION

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

Peak Number 8 Phenanthrene, 2,5-dimethyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.87	2.86 ng/ul	61830	Phenanthrene-d10	17.07

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	95
2		di-p-Tolylacetylene	206	C16H14	002789-88-0	91
3		9,10-Dimethylantracene	206	C16H14	000781-43-1	91
4		Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	89
5		9,10-Dimethylantracene	206	C16H14	000781-43-1	87



Data Path : Z:\HPCHEM1\BNA_M\DATA\BM020816\
Data File : BM004199.D
Acq On : 08 Feb 2016 14:35
Operator : SJ/IZ
Sample : H1340-13 5X
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
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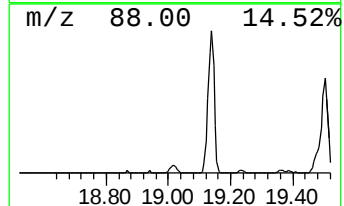
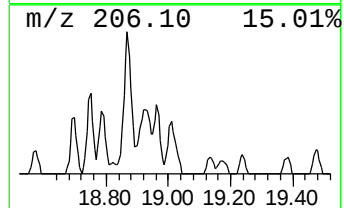
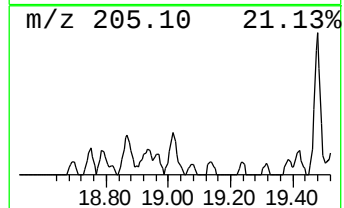
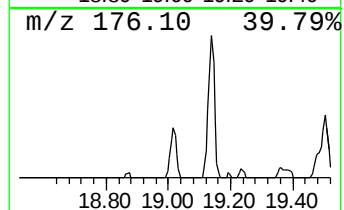
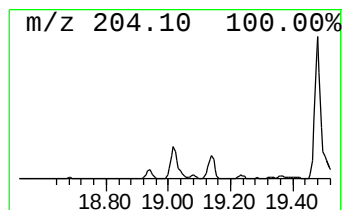
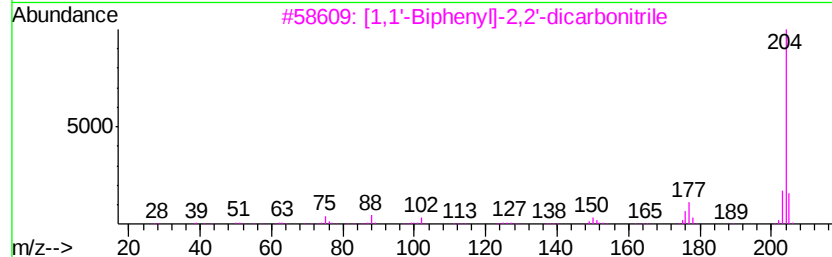
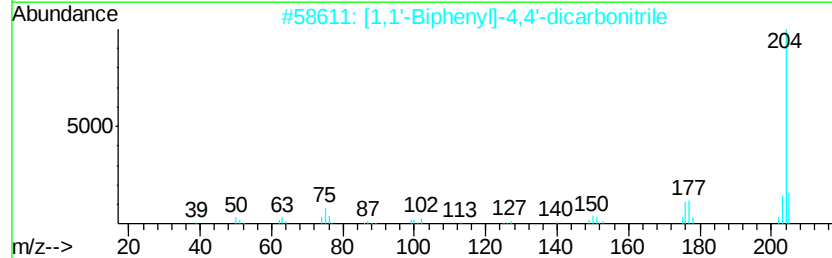
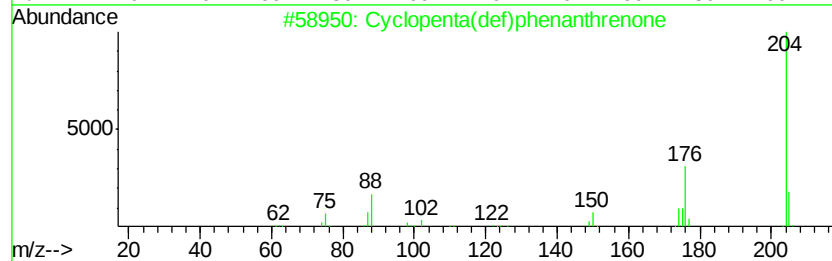
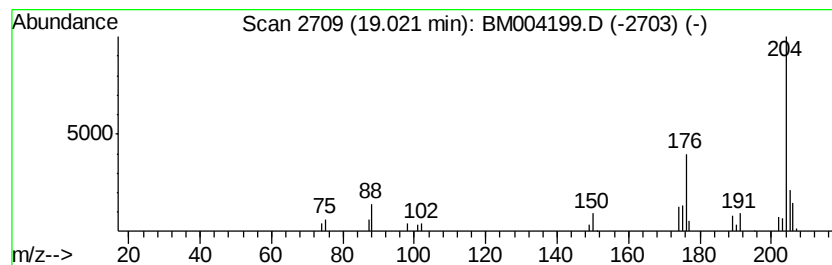
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Quant Title : SVOA CALIBRATION

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

Peak Number 9 Cyclopenta(def)phenanthrenone Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.02	2.73 ng/ul	58993	Phenanthrene-d10	17.07

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	94
2		[1,1'-Biphenyl]-4,4'-dicarbonitrile	204	C14H8N2	001591-30-6	50
3		[1,1'-Biphenyl]-2,2'-dicarbonitrile	204	C14H8N2	004341-02-0	49
4		[1,1'-Biphenyl]-2,2'-dicarbonitrile	204	C14H8N2	004341-02-0	43
5		Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	43



Data Path : Z:\HPCHEM1\BNA_M\DATA\BM020816\
Data File : BM004199.D
Acq On : 08 Feb 2016 14:35
Operator : SJ/IZ
Sample : H1340-13 5X
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
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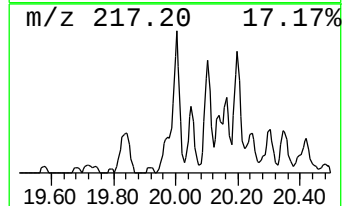
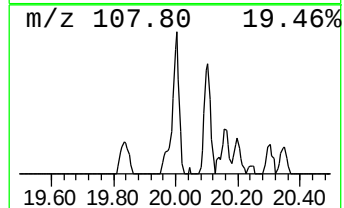
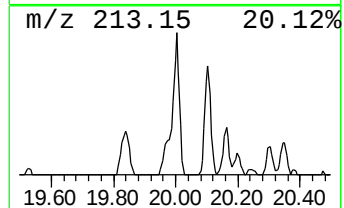
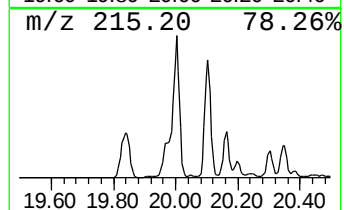
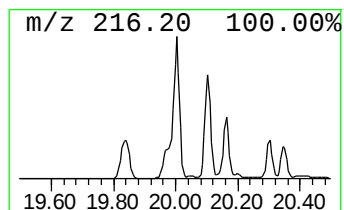
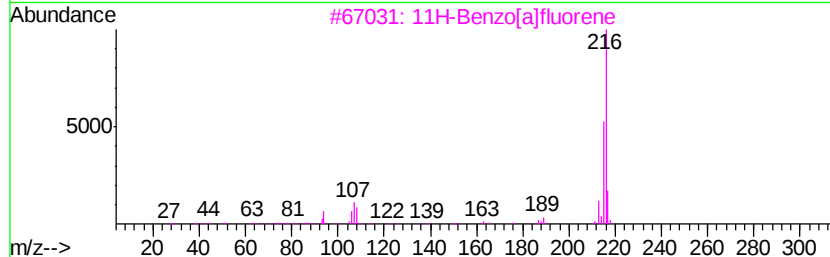
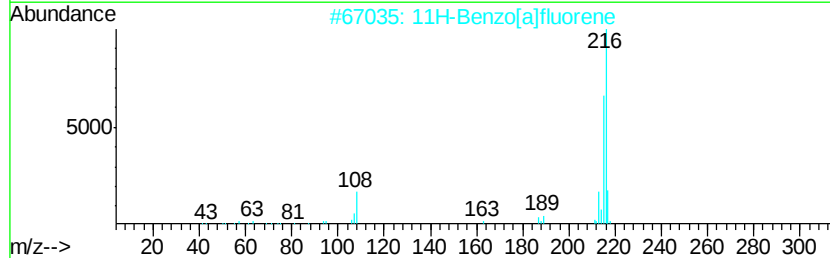
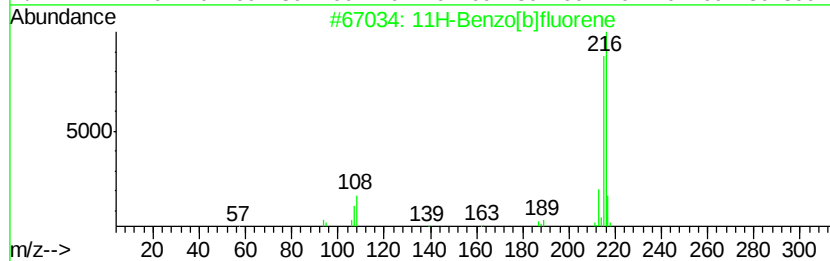
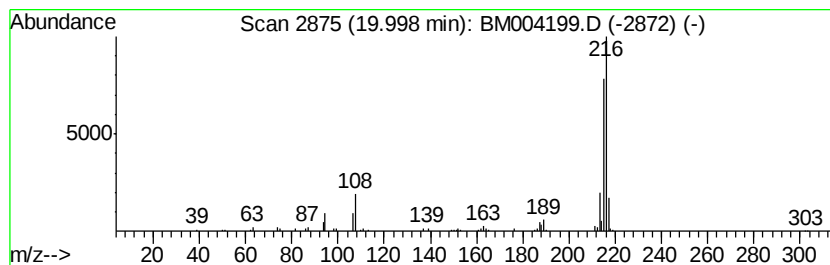
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Quant Title : SVOA CALIBRATION

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

Peak Number 10 11H-Benzo[b]fluorene Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.00	2.51 ng/ul	256448	Chrysene-d12	21.28

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



Data Path : Z:\HPCHEM1\BNA_M\DATA\BM020816\
Data File : BM004199.D
Acq On : 08 Feb 2016 14:35
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ClientSampleId :
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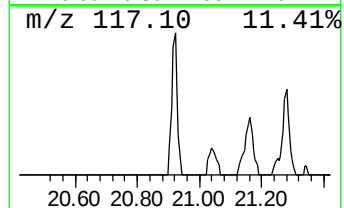
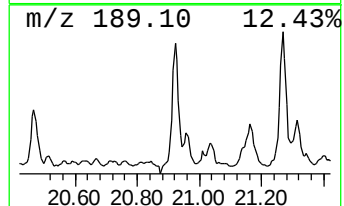
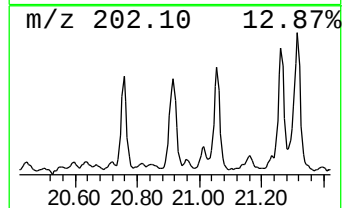
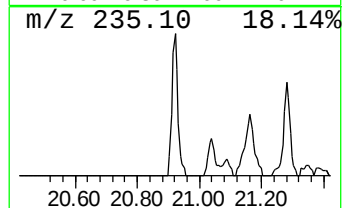
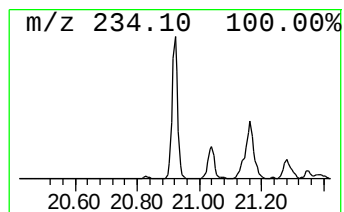
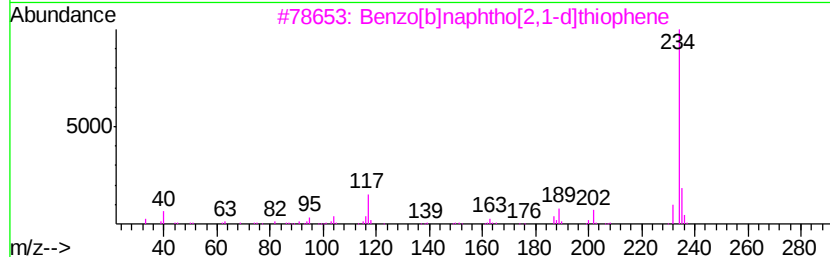
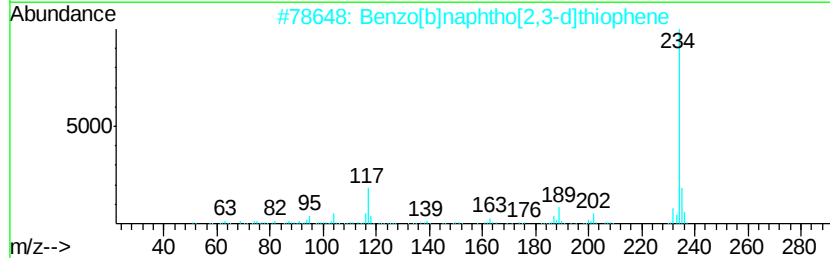
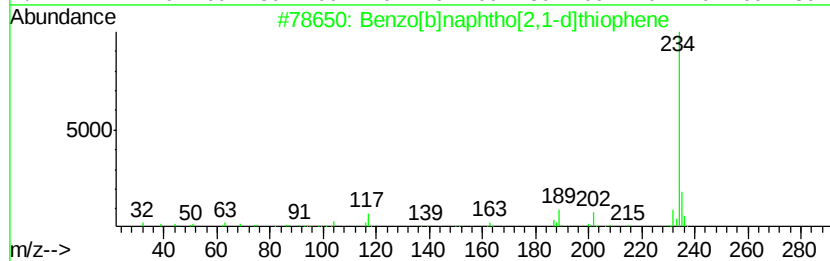
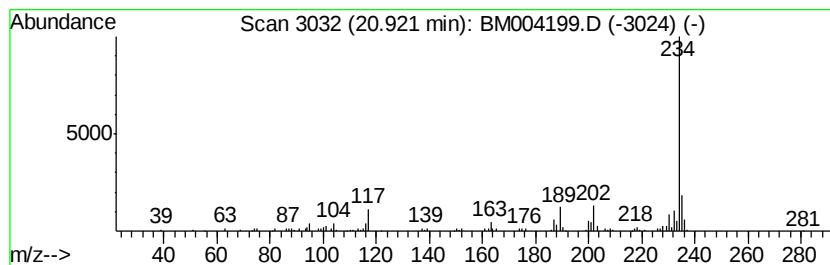
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Quant Title : SVOA CALIBRATION

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

Peak Number 11 Benzo[b]naphtho[2,1-d]thiop... Concentration Rank 25

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.92	2.02 ng/ul	206767	Chrysene-d12	21.28

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzo[b]naphtho[2,1-d]thiophene	234	C16H10S	000239-35-0	96
2		Benzo[b]naphtho[2,3-d]thiophene	234	C16H10S	000243-46-9	94
3		Benzo[b]naphtho[2,1-d]thiophene	234	C16H10S	000239-35-0	93
4		Benzo[b]naphtho[2,3-d]thiophene	234	C16H10S	000243-46-9	91
5		Benzo[b]naphtho[2,1-d]thiophene	234	C16H10S	000239-35-0	91



Data Path : Z:\HPCHEM1\BNA_M\DATA\BM020816\
Data File : BM004199.D
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Sample : H1340-13 5X
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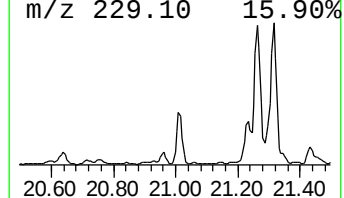
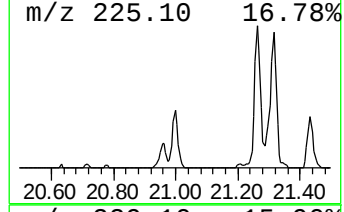
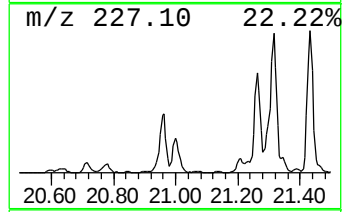
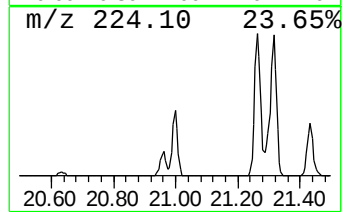
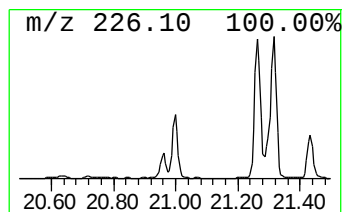
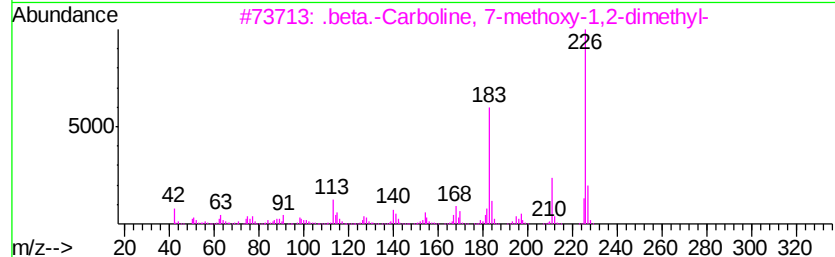
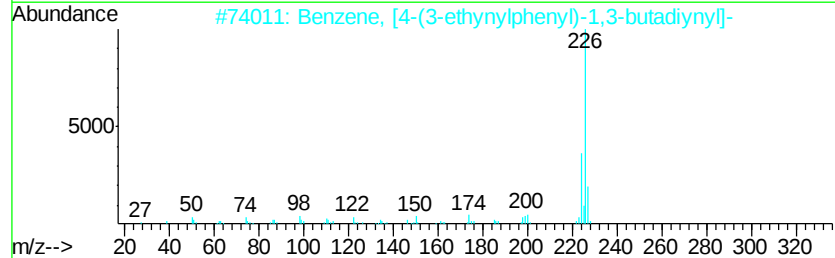
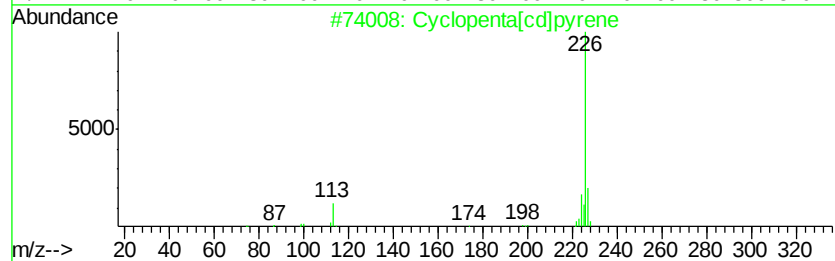
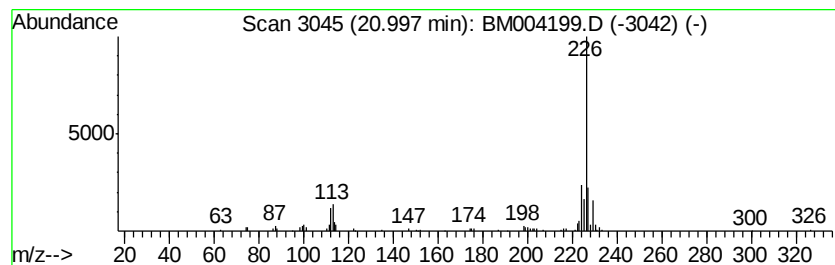
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ClientSampled :
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Quant Title : SVOA CALIBRATION

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

Peak Number 12 unknown-01 Concentration Rank 23

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.00	2.10 ng/ul	214619	Chrysene-d12	21.28
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1		Cyclopenta[cd]pyrene	226 C18H10	027208-37-3 46
2		Benzene, [4-(3-ethynylphenyl)-1,...	226 C18H10	1000115-87-3 43
3		.beta.-Carboline, 7-methoxy-1,2-...	226 C14H14N2O	006519-18-2 43
4		1,1,3,3-Tetrachloro-1,3-disilacy...	224 C2H4Cl4Si2	002146-97-6 38
5		Benz[c]acridine	229 C17H11N	000225-51-4 38



Data Path : Z:\HPCHEM1\BNA_M\DATA\BM020816\
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Acq On : 08 Feb 2016 14:35
Operator : SJ/IZ
Sample : H1340-13 5X
Misc :
ALS Vial : 6 Sample Multiplier: 1

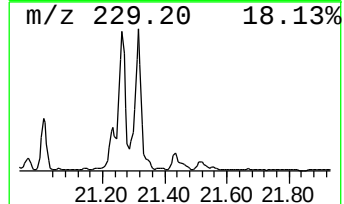
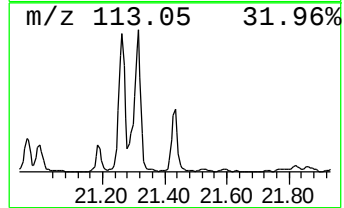
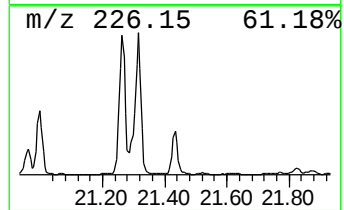
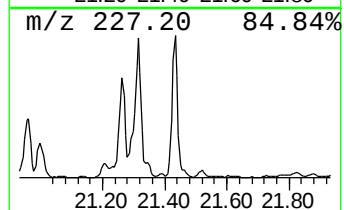
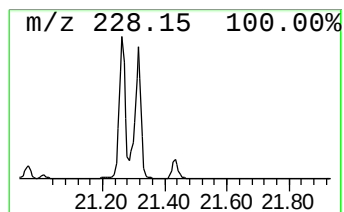
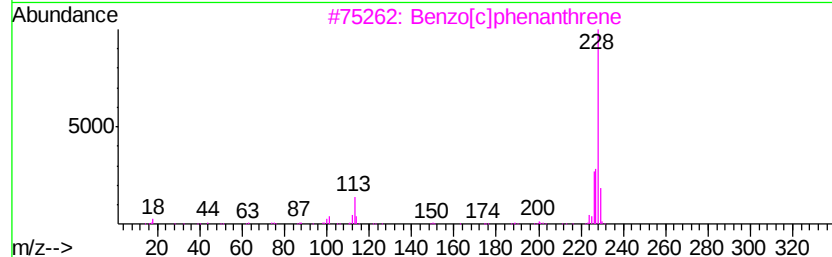
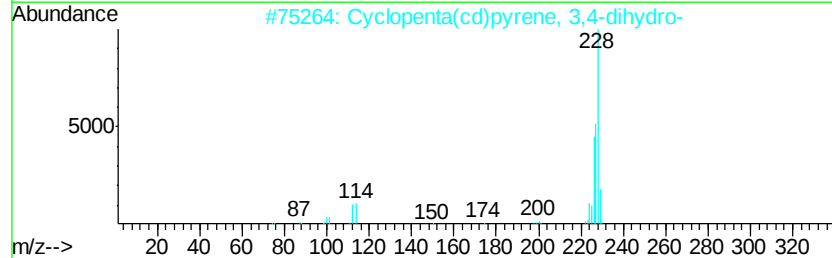
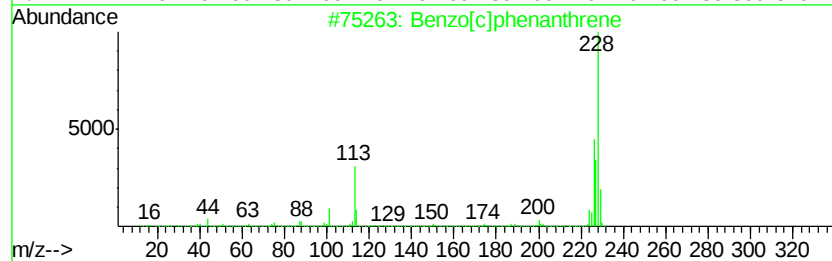
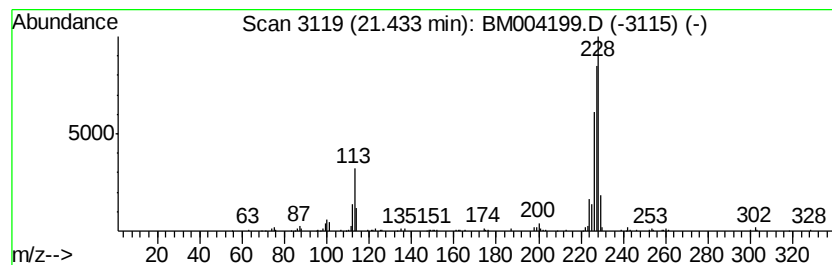
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Quant Title : SVOA CALIBRATION

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

Peak Number 13 Benzo[c]phenanthrene Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.43	2.70 ng/ul	276495	Chrysene-d12	21.28
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1		Benzo[c]phenanthrene	228 C18H12	000195-19-7 87
2		Cyclopenta(cd)pyrene, 3,4-dihydro-	228 C18H12	025732-74-5 55
3		Benzo[c]phenanthrene	228 C18H12	000195-19-7 49
4		Pyrazole-4-carboxaldehyde-, 3,5-...	228 C14H16N2O	1000272-54-8 47
5		Isothiazol-5-amine, 4-bromo-3-ch...	226 C4H4BrClN2S	1000272-59-9 47



Data Path : Z:\HPCHEM1\BNA_M\DATA\BM020816\
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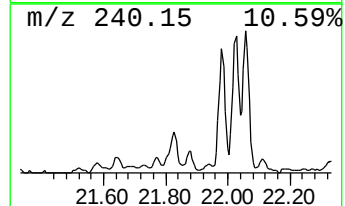
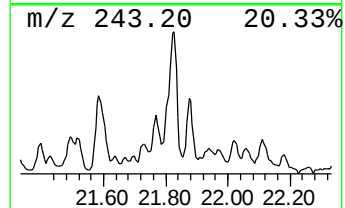
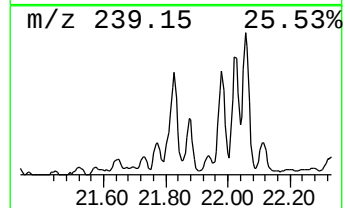
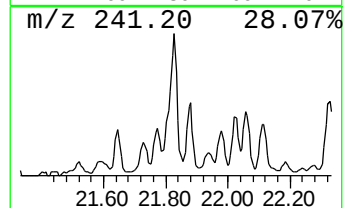
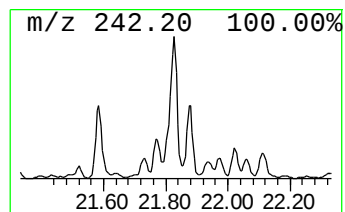
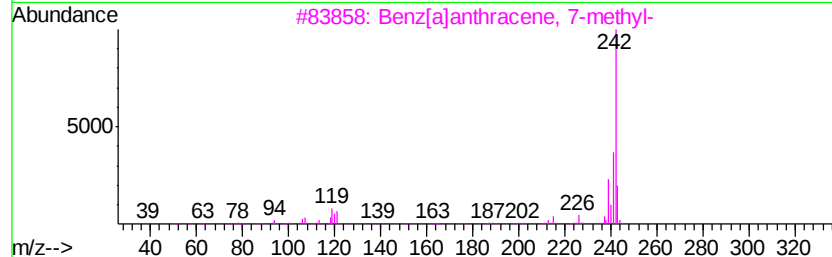
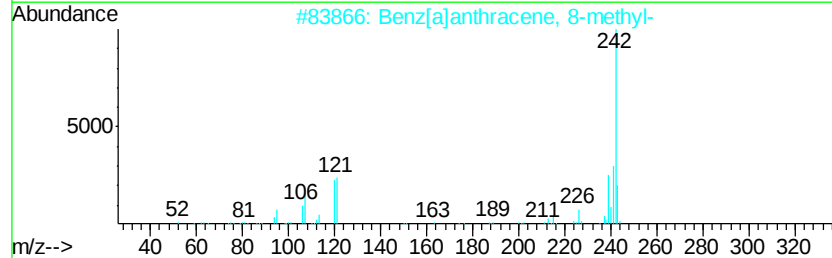
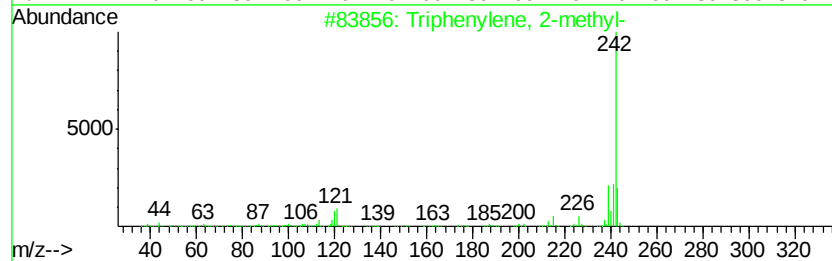
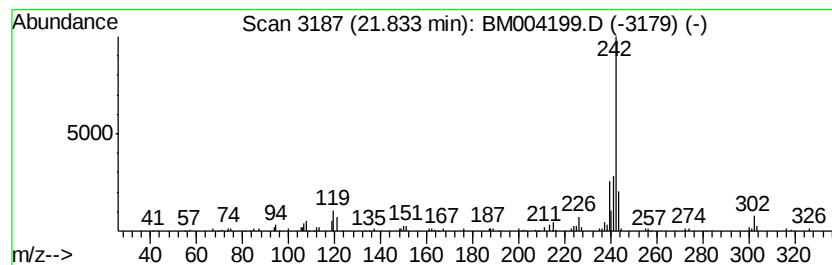
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Quant Title : SVOA CALIBRATION

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

Peak Number 14 Triphenylene, 2-methyl- Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.83	2.49 ng/ul	254195	Chrysene-d12	21.28
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1		Triphenylene, 2-methyl-	242 C19H14	001705-84-6 98
2		Benz[a]anthracene, 8-methyl-	242 C19H14	002381-31-9 96
3		Benz[a]anthracene, 7-methyl-	242 C19H14	002541-69-7 94
4		Benz[a]anthracene, 7-methyl-	242 C19H14	002541-69-7 93
5		Benz[a]anthracene, 6-methyl-	242 C19H14	000316-14-3 92



Data Path : Z:\HPCHEM1\BNA_M\DATA\BM020816\
Data File : BM004199.D
Acq On : 08 Feb 2016 14:35
Operator : SJ/IZ
Sample : H1340-13 5X
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
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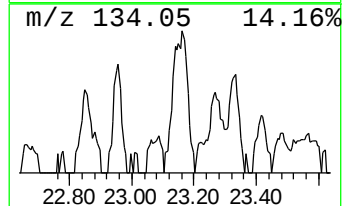
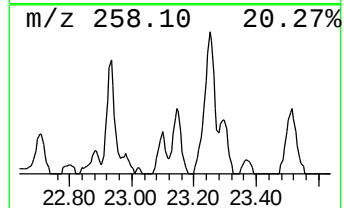
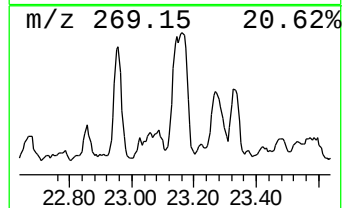
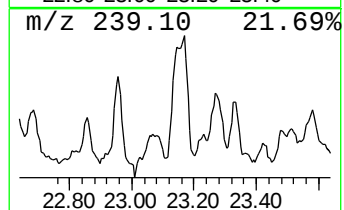
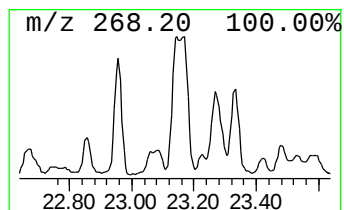
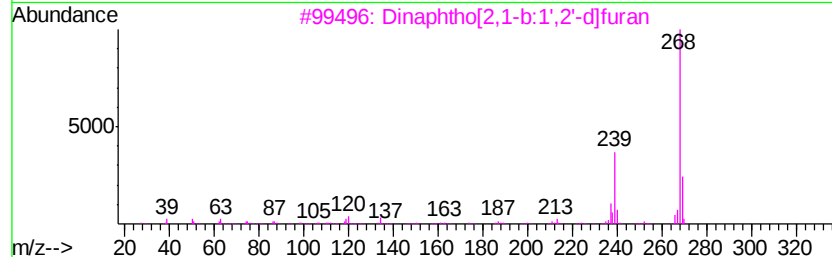
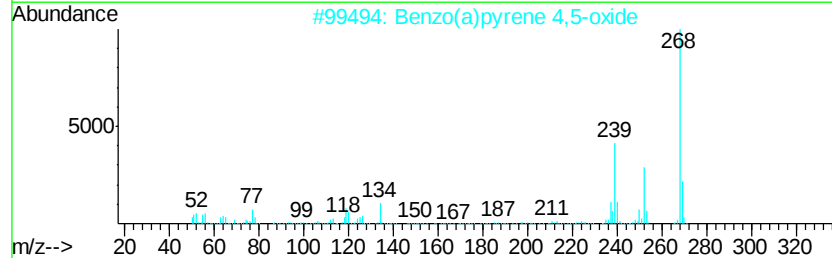
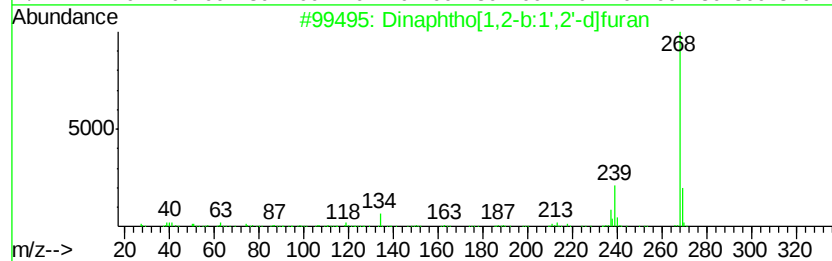
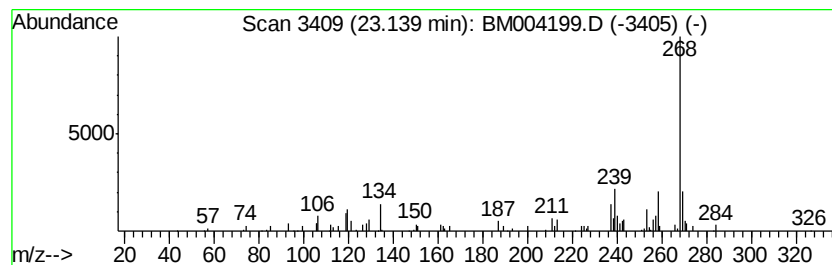
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Quant Title : SVOA CALIBRATION

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

Peak Number 17 Dinaphtho[1,2-b:1',2'-d]furan Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
23.14	4.26 ng/ul	130031	Perylene-d12	23.52

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Dinaphtho[1,2-b:1',2'-d]furan	268	C20H12O	000207-93-2	74
2		Benzo(a)pyrene 4,5-oxide	268	C20H12O	037574-47-3	68
3		Dinaphtho[2,1-b:1',2'-d]furan	268	C20H12O	000194-63-8	64
4		4H-1-Benzopyran-4-one, 5-hydroxy...	268	C16H12O4	000520-28-5	53
5		4H-1-Benzopyran-4-one, 3-hydroxy...	268	C16H12O4	007478-60-6	52



Data Path : Z:\HPCHEM1\BNA_M\DATA\BM020816\
Data File : BM004199.D
Acq On : 08 Feb 2016 14:35
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Misc :
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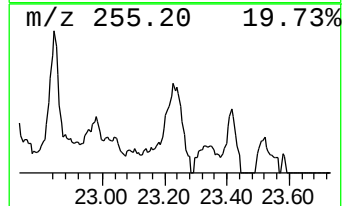
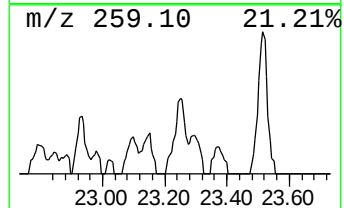
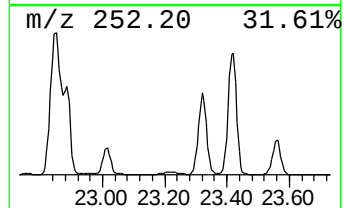
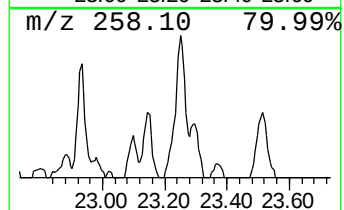
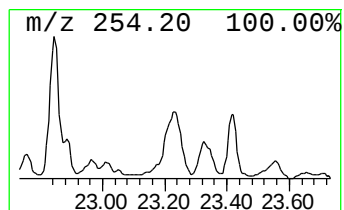
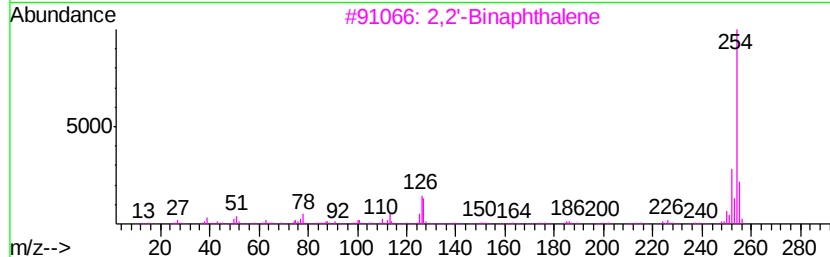
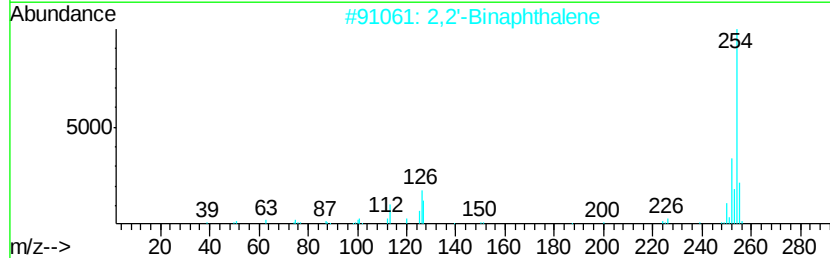
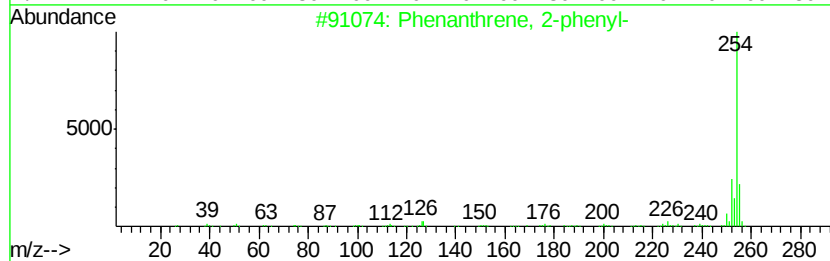
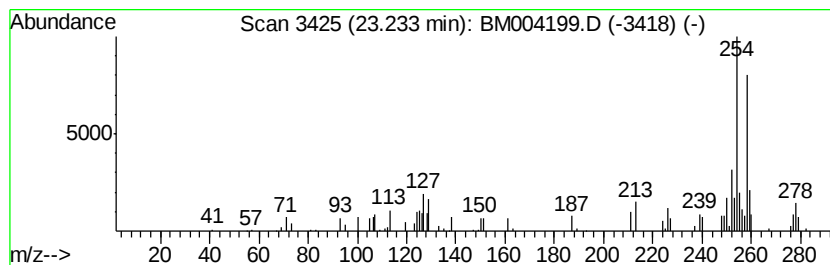
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Quant Title : SVOA CALIBRATION

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

Peak Number 18 Phenanthrene, 2-phenyl- Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
23.23	2.17 ng/ul	66193	Perylene-d12	23.52

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Phenanthrene, 2-phenyl-	254	C20H14	004325-77-3	53
2		2,2'-Binaphthalene	254	C20H14	000612-78-2	49
3		2,2'-Binaphthalene	254	C20H14	000612-78-2	43
4		6,6'-Biazulene,	254	C20H14	073393-11-0	43
5		2,6-(Etheno[1,4]benzenoetheno)na...	254	C20H14	117054-70-3	43



Data Path : Z:\HPCHEM1\BNA_M\DATA\BM020816\
Data File : BM004199.D
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Instrument :
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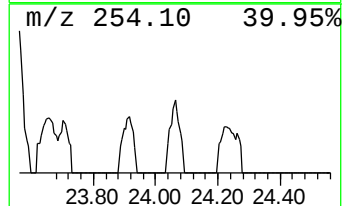
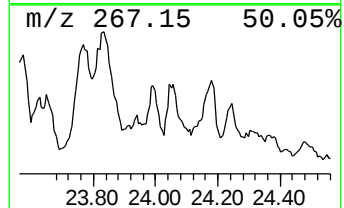
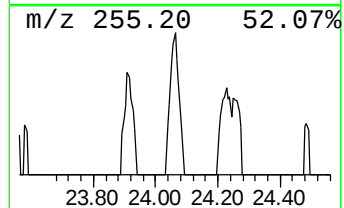
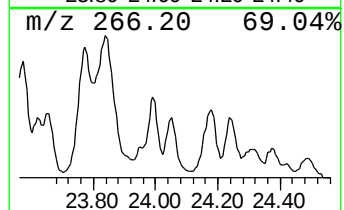
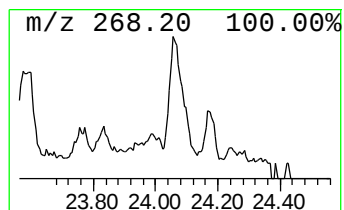
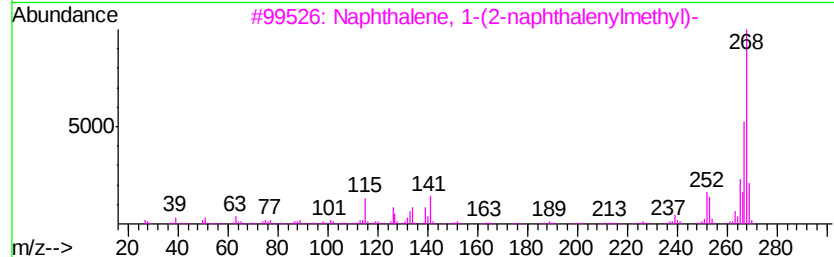
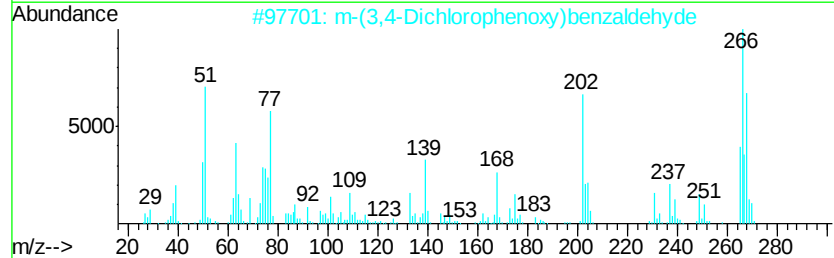
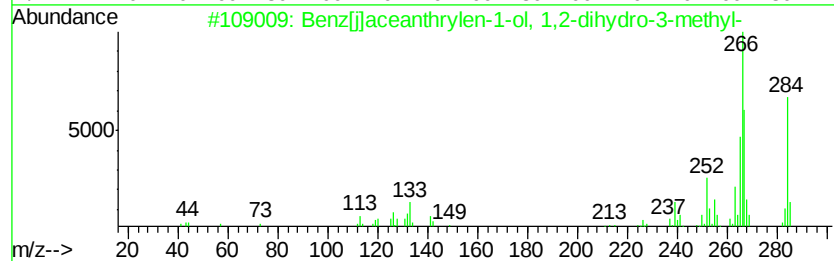
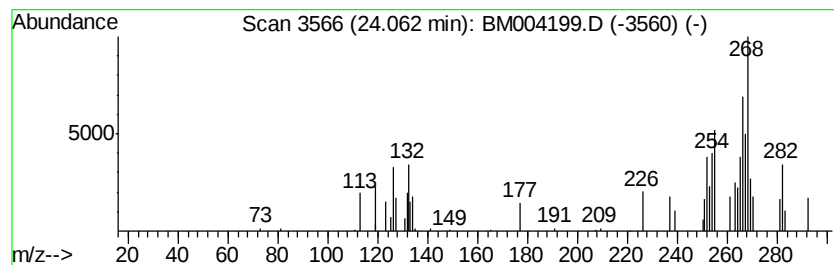
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Quant Title : SVOA CALIBRATION

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

Peak Number 19 unknown-02 Concentration Rank 24

R.T.	EstConc	Area	Relative to ISTD	R.T.
24.06	2.04 ng/ul	62294	Perylene-d12	23.52

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benz[j]aceanthrylen-1-ol, 1,2-di...	284	C21H16O	003342-98-1	43
2			m-(3,4-Dichlorophenoxy)benzaldehyde	266	C13H8Cl2O2	079124-76-8	38
3			Naphthalene, 1-(2-naphthalenylme...	268	C21H16	000611-48-3	27
4			Lycorine, 1,2,15,16-tetrahydro...	267	C16H13NO3	1000111-50-5	25
5			Naphthalene, 1,1'-methylenebis-	268	C21H16	000607-50-1	25



Data Path : Z:\HPCHEM1\BNA_M\DATA\BM020816\
Data File : BM004199.D
Acq On : 08 Feb 2016 14:35
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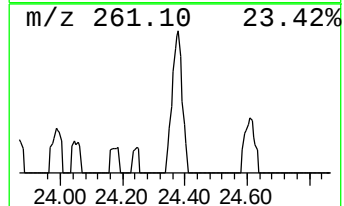
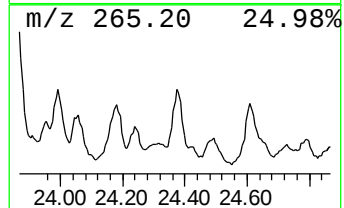
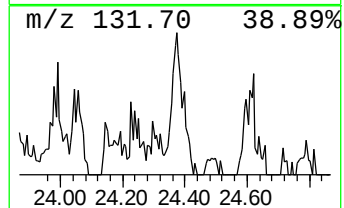
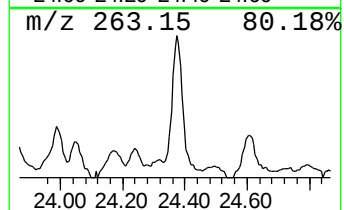
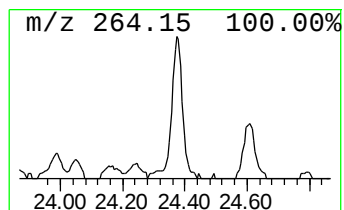
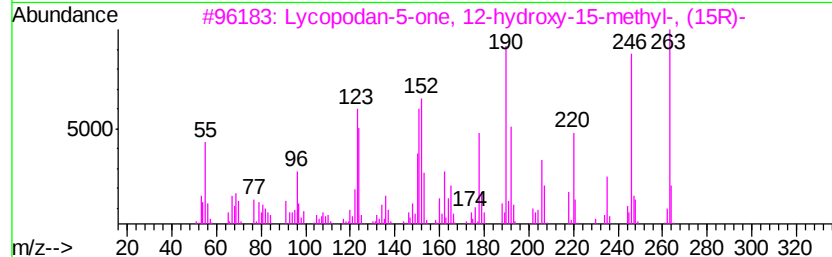
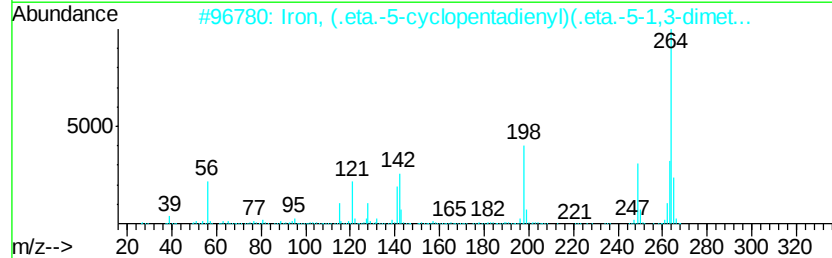
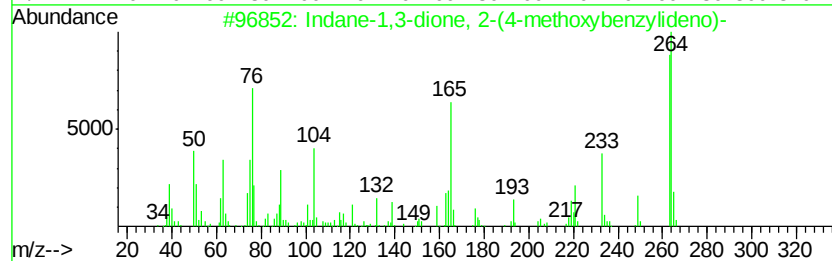
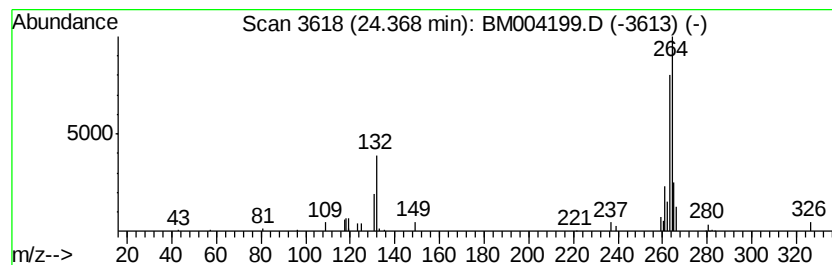
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Quant Title : SVOA CALIBRATION

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

Peak Number 20 unknown-03 Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
24.37	3.31 ng/ul	101095	Perylene-d12	23.52

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Indane-1,3-dione, 2-(4-methoxybe...	264	C17H12O3	007421-76-3	38
2		Iron, (.eta.-5-cyclopentadienyl)...	264	C16H16Fe	1000155-06-6	32
3		Lycopodan-5-one, 12-hydroxy-15-m...	263	C16H25NO2	006900-92-1	22
4		3,5-Dibromo-4-methylphenol	264	C7H6Br2O	013979-81-2	16
5		Benzonitrile, 2-chloro-6-iodo-	263	C7H3ClIN	089642-53-5	16



Data Path : Z:\HPCHEM1\BNA_M\DATA\BM020816\
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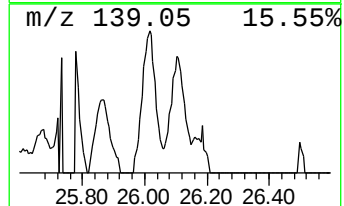
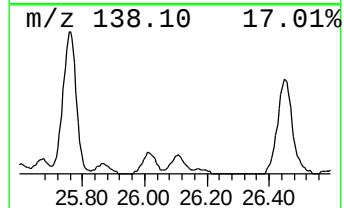
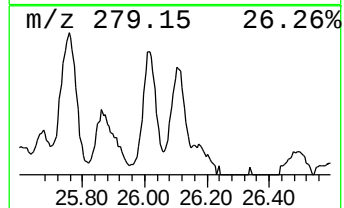
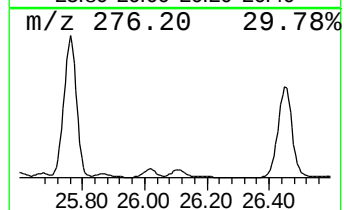
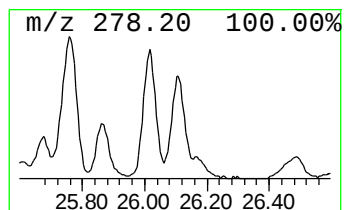
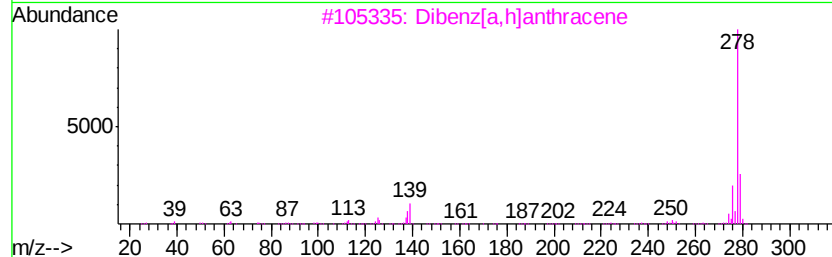
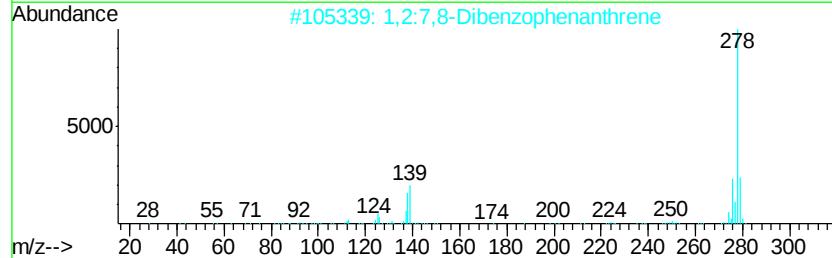
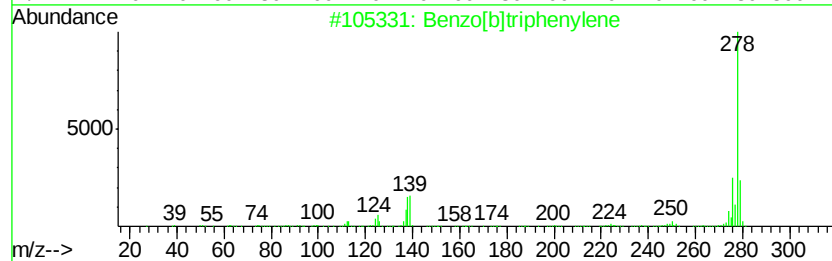
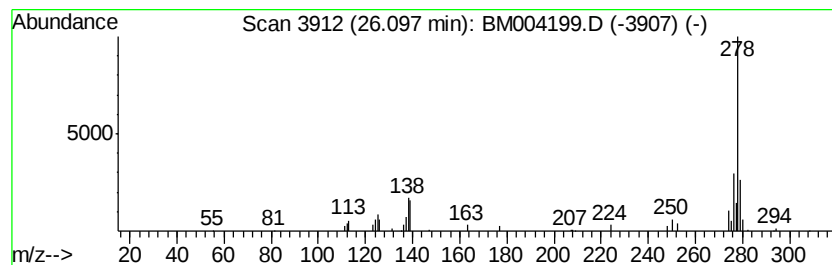
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Quant Title : SVOA CALIBRATION

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

Peak Number 24 Benzo[b]triphenylene Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
26.10	2.82 ng/ul	86167	Perylene-d12	23.52

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzo[b]triphenylene	278	C22H14	000215-58-7	94
2		1,2:7,8-Dibenzophenanthrene	278	C22H14	000213-46-7	89
3		Dibenz[a,h]anthracene	278	C22H14	000053-70-3	89
4		Benzo[a]naphthacene	278	C22H14	000226-88-0	87
5		Benzo[b]chrysene	278	C22H14	000214-17-5	81



Data Path : Z:\HPCHEM1\BNA_M\DATA\BM020816\
 Data File : BM004199.D
 Acq On : 08 Feb 2016 14:35
 Operator : SJ/IZ
 Sample : H1340-13 5X
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 C04K3

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM012016.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: Cyc...	4.08	5.3	ng/ul	31571	1	7.66	119175	20.0
Phenanthrene, 1-m...	17.94	3.1	ng/ul	67529	4	17.07	432881	20.0
Phenanthrene, 2-m...	17.99	4.5	ng/ul	97990	4	17.07	432881	20.0
4H-Cyclopenta[def...	18.14	8.1	ng/ul	174236	4	17.07	432881	20.0
Naphthalene, 2-ph...	18.44	2.6	ng/ul	56737	4	17.07	432881	20.0
Phenanthrene, 2,5...	18.87	2.9	ng/ul	61830	4	17.07	432881	20.0
Cyclopenta(def)ph...	19.02	2.7	ng/ul	58993	4	17.07	432881	20.0
11H-Benzo[b]fluorene	20.00	2.5	ng/ul	256448	5	21.28	2044560	20.0
Benzo[b]naphtho[2...	20.92	2.0	ng/ul	206767	5	21.28	2044560	20.0
unknown-01	21.00	2.1	ng/ul	214619	5	21.28	2044560	20.0
Benzo[c]phenanthrene	21.43	2.7	ng/ul	276495	5	21.28	2044560	20.0
Triphenylene, 2-m...	21.83	2.5	ng/ul	254195	5	21.28	2044560	20.0
Dinaphtho[1,2-b:1...	23.14	4.3	ng/ul	130031	6	23.52	611125	20.0
Phenanthrene, 2-p...	23.23	2.2	ng/ul	66193	6	23.52	611125	20.0
unknown-02	24.06	2.0	ng/ul	62294	6	23.52	611125	20.0
unknown-03	24.37	3.3	ng/ul	101095	6	23.52	611125	20.0
Benzo[b]triphenylene	26.10	2.8	ng/ul	86167	6	23.52	611125	20.0