LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM020816\
Data File : BM004198.D
Acq On : 08 Feb 2016 13:59
Operator : SJ/IZ
Sample : H1340-12 5X
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C04K2

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 0.1 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 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	7.657	771	777	784	rBB	79270	121992	5.78%	0.505%
2	10.445	1244	1251	1257	rBV	128416	215467	10.21%	0.893%
3	13.722	1804	1808	1813	rBV	26027	33265	1.58%	0.138%
4	14.004	1851	1856	1865	rBB	30071	43591	2.07%	0.181%
5	14.316	1903	1909	1915	rBV2	220091	325504	15.42%	1.348%
6	14.380	1915	1920	1925	rVB	75880	106563	5.05%	0.441%
7	15.310	2073	2078	2083	rBB	49943	65754	3.12%	0.272%
8	15.368	2083	2088	2094	rBB2	45446	62757	2.97%	0.260%
9	16.886	2341	2346	2351	rVV	21145	27090	1.28%	0.112%
10	17.068	2371	2377	2380	rBV	309535	436209	20.67%	1.807%
11	17.110	2380	2384	2389	rVV	574206	777793	36.86%	3.222%
12	17.162	2389	2393	2396	rVV2	58256	86332	4.09%	0.358%
13	17.198	2396	2399	2405	rVV	141654	186337	8.83%	0.772%
14	17.474	2436	2446	2455	rBV2	63655	98667	4.68%	0.409%
15	17.774	2492	2497	2504	rVB2	27432	39286	1.86%	0.163%
16	17.945	2520	2526	2530	rVV	59449	82049	3.89%	0.340%
17	17.992	2530	2534	2540	rVB	92414	117304	5.56%	0.486%
18	18.074	2540	2548	2552	rBV	31505	45578	2.16%	0.189%
19	18.139	2552	2559	2563	rVV2	125782	205051	9.72%	0.849%
20	18.174	2563	2565	2573	rVB	42837	50789	2.41%	0.210%
21	18.445	2605	2611	2616	rBV	50012	66646	3.16%	0.276%
22	18.498	2616	2620	2624	rVB	31465	40975	1.94%	0.170%
23	18.539	2624	2627	2631	rBV	40548	46194	2.19%	0.191%
24	18.868	2678	2683	2689	rBV	31514	61626	2.92%	0.255%
25	18.933	2689	2694	2697	rVV2	20856	38427	1.82%	0.159%
26	19.015	2703	2708	2715	rVB3	35155	62930	2.98%	0.261%
27	19.139	2722	2729	2734	rBV	1278313	1724059	81.70%	7.142%
28	19.192	2734	2738	2742	rVB2	94423	115570	5.48%	0.479%
29	19.239	2742	2746	2750	rVB	21809	27544	1.31%	0.114%
30	19.386	2764	2771	2775	rBV2	33082	50295	2.38%	0.208%
31	19.474	2780	2786	2787	rBV2	341624	411550	19.50%	1.705%
32	19.503	2787	2791	2799	rVB	1033636	1530375	72.52%	6.339%
33	19.574	2799	2803	2811	rVB3	51619	71802	3.40%	0.297%
34	19.680	2815	2821	2827	rBV	68978	97677	4.63%	0.405%

LSC Area Percent Report

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Acq On : 08 Feb 2016 13:59
Operator : SJ/IZ
Sample : H1340-12 5X
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C04K2

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 0.1 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 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

35	19.745	2827	2832	2837	rVB	62988	87603	4.15%	0.363%
36	19.827	2840	2846	2853	rBV3	67295	172333	8.17%	0.714%
37	19.886	2853	2856	2859	rVV	25857	29942	1.42%	0.124%
38	19.962	2864	2869	2872	rBV4	45110	87042	4.12%	0.361%
39	20.003	2872	2876	2881	rVB2	204119	278574	13.20%	1.154%
40	20.103	2888	2893	2897	rVV2	172139	216139	10.24%	0.895%
41	20.162	2897	2903	2906	rVV2	109213	203816	9.66%	0.844%
42	20.198	2906	2909	2913	rVV2	93111	121356	5.75%	0.503%
43	20.239	2913	2916	2921	rVB	31033	42374	2.01%	0.176%
44	20.303	2921	2927	2930	rBV	49228	67966	3.22%	0.282%
45	20.351	2930	2935	2939	rVV2	57275	91770	4.35%	0.380%
46	20.598	2973	2977	2980	rVV4	29022	50982	2.42%	0.211%
47	20.633	2980	2983	2987	rVV2	40913	69239	3.28%	0.287%
48	20.715	2992	2997	3000	rVV2	34023	57248	2.71%	0.237%
49	20.756	3000	3004	3010	rVV	115746	172773	8.19%	0.716%
50	20.815	3011	3014	3017	rVV4	17218	30030	1.42%	0.124%
51	20.921	3025	3032	3035	rVV3	152807	240208	11.38%	0.995%
52	20.956	3035	3038	3042	rVV	130391	190240	9.01%	0.788%
53	21.003	3042	3046	3050	rVV2	133031	253590	12.02%	1.050%
54	21.056	3050	3055	3061	rVB2	116482	193187	9.15%	0.800%
55	21.186	3073	3077	3082	rVB	1007227	1224554	58.03%	5.073%
56	21.268	3082	3091	3096	rVV3	1009414	2110308	100.00%	8.742%
57	21.315	3096	3099	3109	rVB	836371	1069877	50.70%	4.432%
58	21.392	3109	3112	3115	rBV3	24683	32900	1.56%	0.136%
59	21.433	3115	3119	3125	rVV	192236	250357	11.86%	1.037%
60	21.492	3125	3129	3131	rVV3	29457	46569	2.21%	0.193%
61	21.539	3134	3137	3141	rVV	81441	111946	5.30%	0.464%
62	21.592	3141	3146	3151	rVB2	123856	192121	9.10%	0.796%
63	21.639	3151	3154	3158	rVB2	26019	31523	1.49%	0.131%
64	21.733	3165	3170	3172	rBV3	22534	36029	1.71%	0.149%
65	21.768	3172	3176	3179	rVV2	50285	86142	4.08%	0.357%
66	21.827	3179	3186	3189	rVV	151445	279327	13.24%	1.157%
67	21.874	3191	3194	3200	rVV	89733	161671	7.66%	0.670%
68	21.939	3202	3205	3208	rVV2	51808	84832	4.02%	0.351%
69	21.980	3208	3212	3215	rVV2	69045	114775	5.44%	0.475%
70	22.021	3215	3219	3222	rVV2	107736	177311	8.40%	0.734%
71	22.056	3222	3225	3231	rVV3	117709	183325	8.69%	0.759%

LSC Area Percent Report

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Data File : BM004198.D
Acq On : 08 Feb 2016 13:59
Operator : SJ/IZ
Sample : H1340-12 5X
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C04K2

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 0.1 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 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

72	22.115	3231	3235	3240	rVB2	72333	119075	5.64%	0.493%
73	22.309	3262	3268	3273	rBV4	67289	155227	7.36%	0.643%
74	22.415	3283	3286	3292	rBV5	15181	33355	1.58%	0.138%
75	22.592	3310	3316	3323	rBV2	65037	142966	6.77%	0.592%
76	22.756	3341	3344	3350	rVB	22475	28317	1.34%	0.117%
77	22.850	3352	3360	3364	rBV	683627	1612703	76.42%	6.681%
78	23.015	3382	3388	3393	rBV	126109	203730	9.65%	0.844%
79	23.144	3405	3410	3418	rBV3	51134	146093	6.92%	0.605%
80	23.227	3418	3424	3425	rBV4	29367	50507	2.39%	0.209%
81	23.321	3433	3440	3445	rBV	391989	722471	34.24%	2.993%
82	23.368	3445	3448	3451	rVV	57758	99615	4.72%	0.413%
83	23.415	3451	3456	3463	rVB	589438	1054127	49.95%	4.367%
84	23.515	3465	3473	3477	rBV	338642	665782	31.55%	2.758%
85	23.562	3477	3481	3489	rVB2	190668	371543	17.61%	1.539%
86	23.774	3511	3517	3520	rBV3	28614	64861	3.07%	0.269%
87	23.991	3550	3554	3560	rVV2	22411	40828	1.93%	0.169%
88	24.056	3561	3565	3575	rVB6	30461	65194	3.09%	0.270%
89	24.174	3581	3585	3591	rVB2	17483	31704	1.50%	0.131%
90	24.374	3614	3619	3632	rVB	43092	110183	5.22%	0.456%
91	24.609	3654	3659	3672	rVB5	18458	53227	2.52%	0.220%
92	25.074	3733	3738	3744	rBV2	21805	48456	2.30%	0.201%
93	25.456	3791	3803	3808	rBV3	42765	135293	6.41%	0.560%
94	25.521	3809	3814	3821	rVB	31958	80820	3.83%	0.335%
95	25.762	3845	3855	3866	rVB	284857	802547	38.03%	3.324%
96	25.862	3867	3872	3884	rVB2	20416	56081	2.66%	0.232%
97	26.015	3889	3898	3906	rBV	55611	155256	7.36%	0.643%
98	26.109	3907	3914	3920	rBV	35872	93973	4.45%	0.389%
99	26.456	3962	3973	3992	rBV	150378	517051	24.50%	2.142%
100	26.809	4026	4033	4050	rVB2	39697	156435	7.41%	0.648%

Sum of corrected areas: 24140447

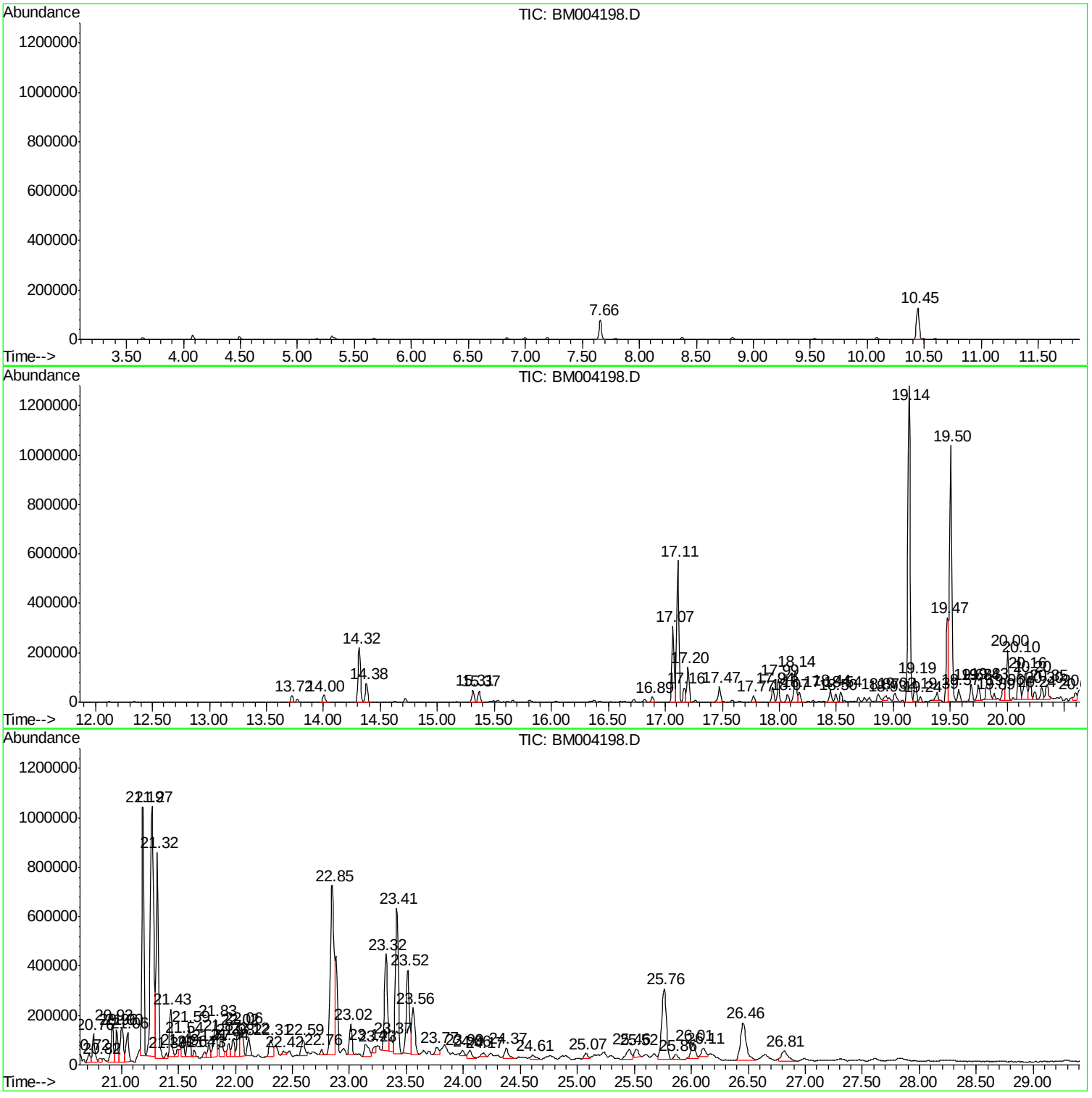
LSC Report - Integrated Chromatogram

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM020816\
Data File : BM004198.D
Acq On : 08 Feb 2016 13:59
Operator : SJ/IZ
Sample : H1340-12 5X
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
C04K2

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



Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM020816\
Data File : BM004198.D
Acq On : 08 Feb 2016 13:59
Operator : SJ/IZ
Sample : H1340-12 5X
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C04K2

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

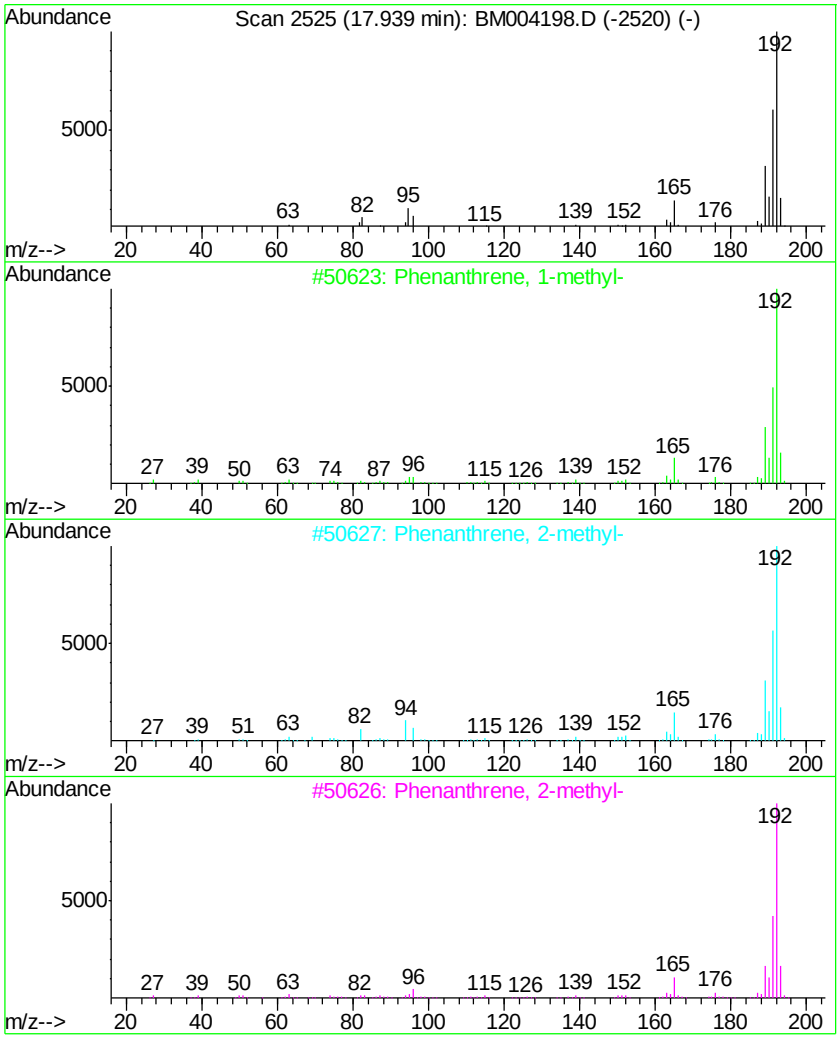
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

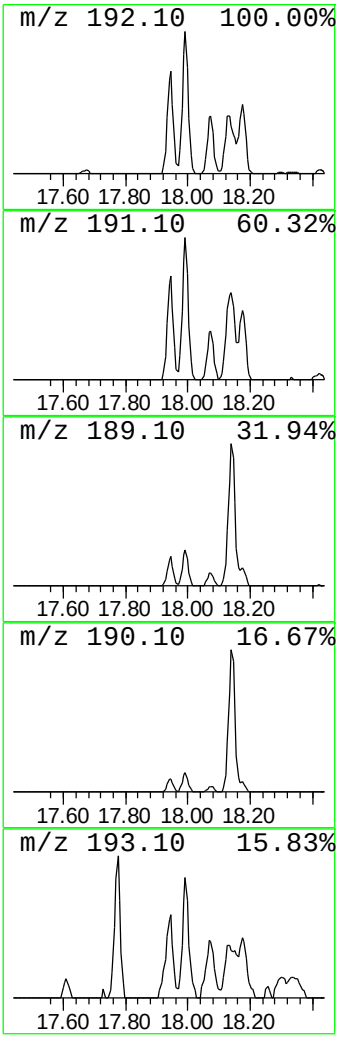
****

Peak Number 1 Phenanthrene, 1-methyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.94	3.76 ng/ul	82049	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	97
3	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
4	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	96
5	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	95





Data Path : Z:\HPCHEM1\BNA_M\DATA\BM020816\
Data File : BM004198.D
Acq On : 08 Feb 2016 13:59
Operator : SJ/IZ
Sample : H1340-12 5X
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C04K2

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

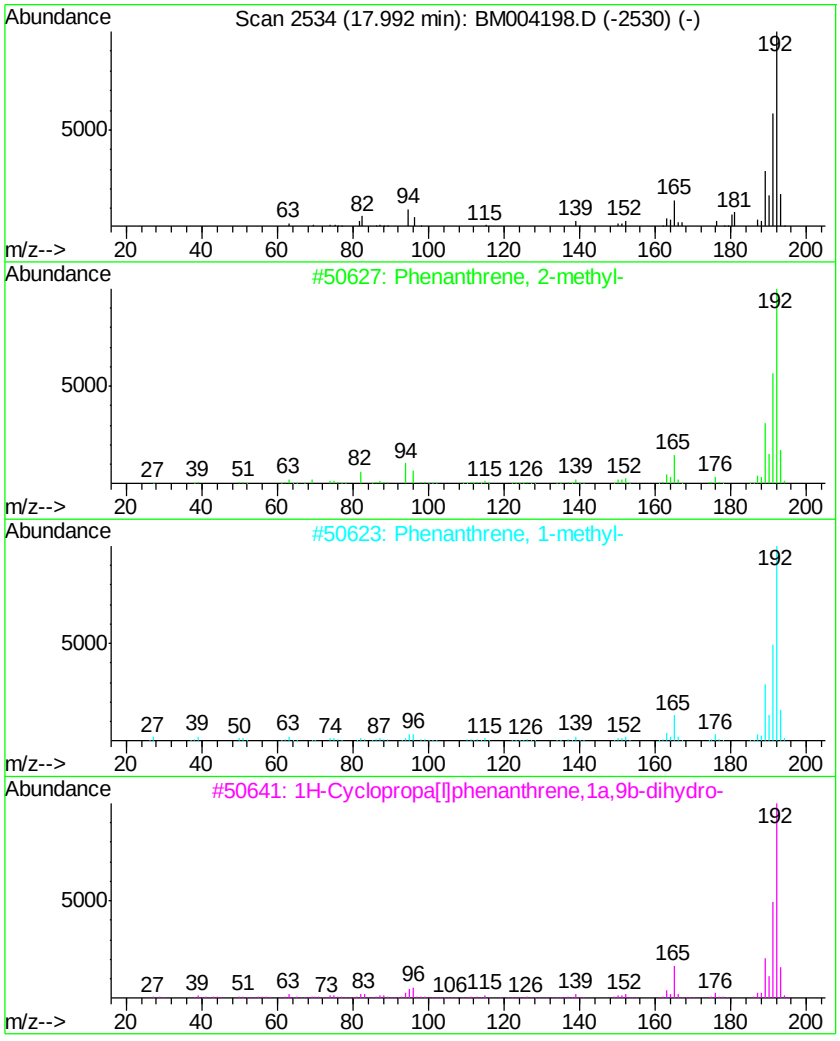
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

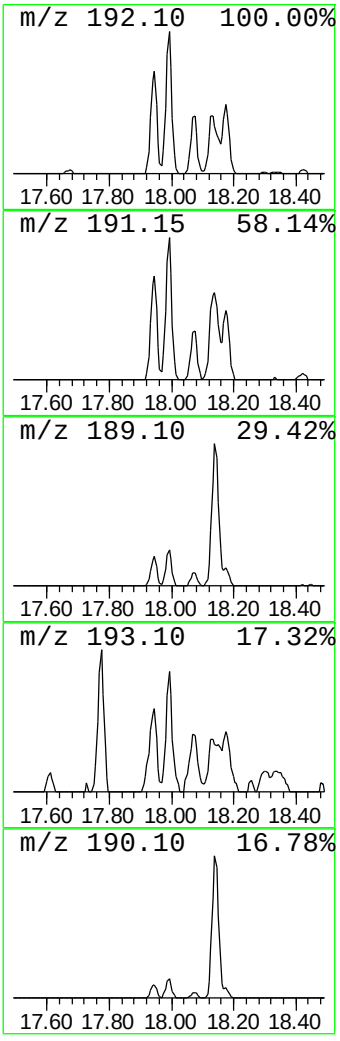
****

Peak Number 2 Phenanthrene, 2-methyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.99	5.38 ng/ul	117304	Phenanthrene-d10	17.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	98
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	97
3	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	95
4	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	95
5	Anthracene, 2-methyl-	192	C15H12	000613-12-7	95





Data Path : Z:\HPCHEM1\BNA_M\DATA\BM020816\
Data File : BM004198.D
Acq On : 08 Feb 2016 13:59
Operator : SJ/IZ
Sample : H1340-12 5X
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C04K2

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

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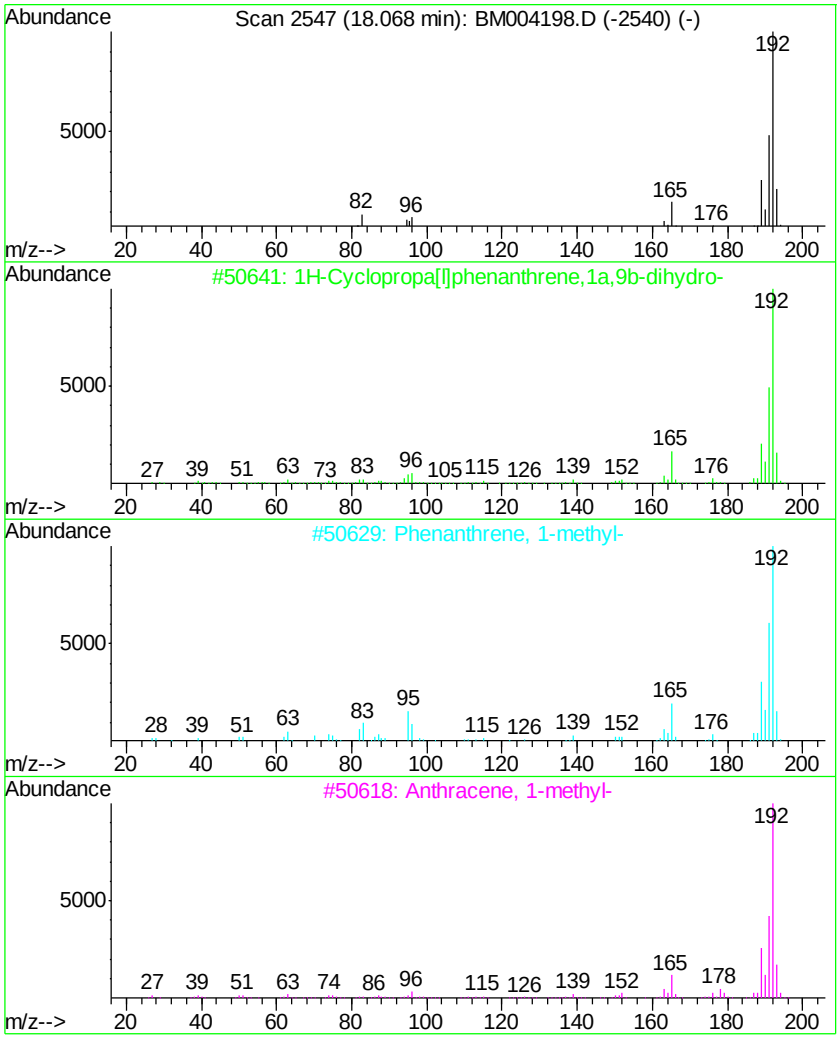
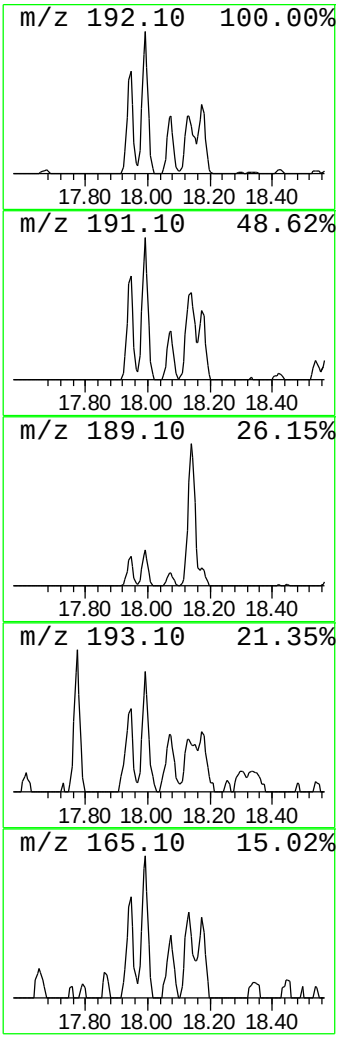
Peak Number 3 1H-Cyclopropa[l]phenanthren... Concentration Rank 23

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.07	2.09 ng/ul	45578	Phenanthrene-d10	17.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	94
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	94
3	Anthracene, 1-methyl-	192	C15H12	000610-48-0	93
4	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	93
5	Anthracene, 2-methyl-	192	C15H12	000613-12-7	93





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM020816\
Data File : BM004198.D
Acq On : 08 Feb 2016 13:59
Operator : SJ/IZ
Sample : H1340-12 5X
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C04K2

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

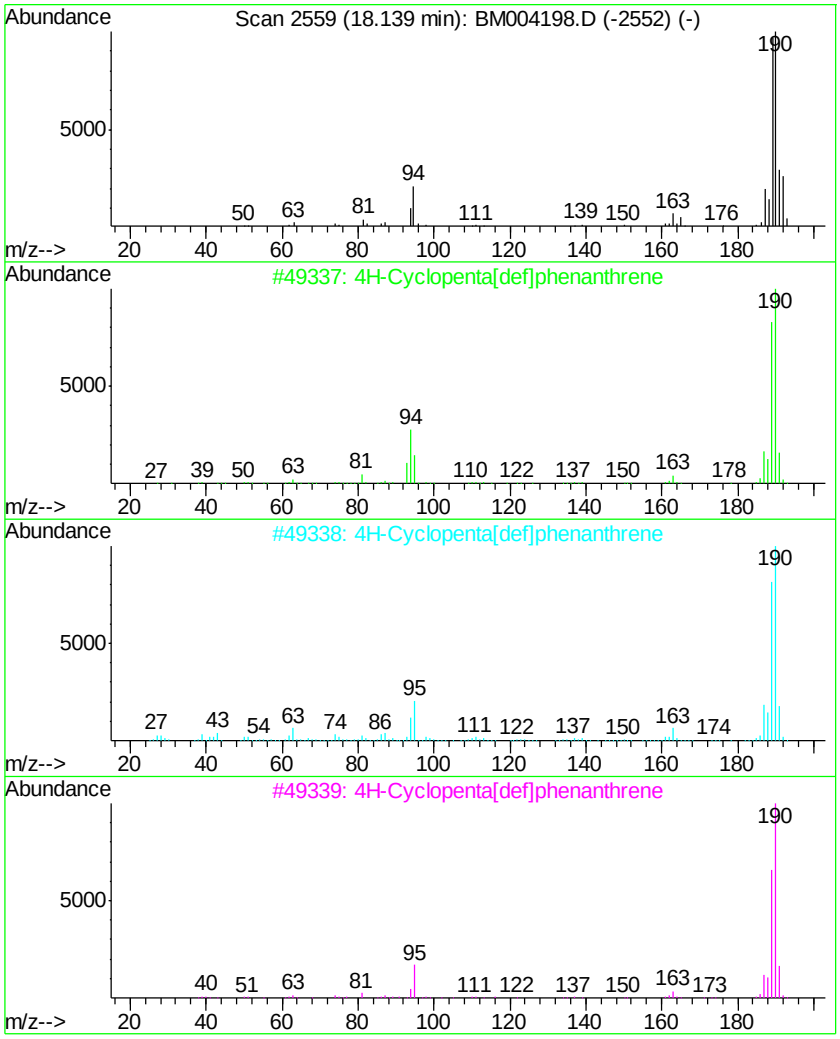
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

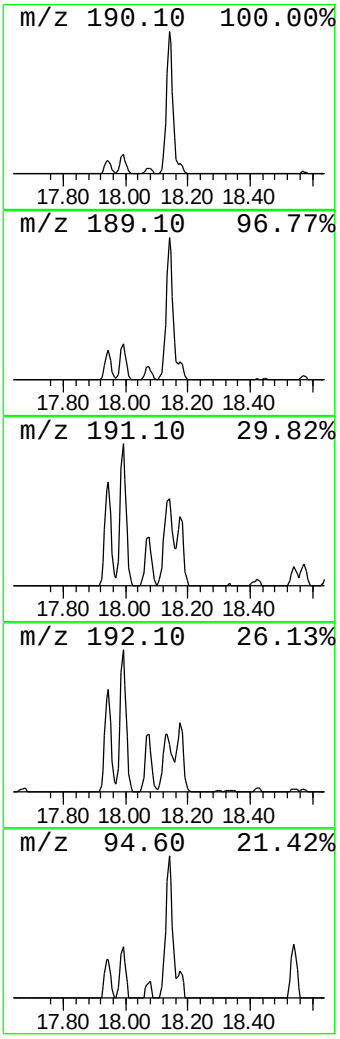
****

Peak Number 4 4H-Cyclopenta[def]phenanthrene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.14	9.40 ng/ul	205051	Phenanthrene-d10	17.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	94
2	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	70
3	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	64
4	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	64
5	Methyl diselenide	190	C2H6Se2	007101-31-7	55





Data Path : Z:\HPCHEM1\BNA_M\DATA\BM020816\
Data File : BM004198.D
Acq On : 08 Feb 2016 13:59
Operator : SJ/IZ
Sample : H1340-12 5X
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C04K2

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

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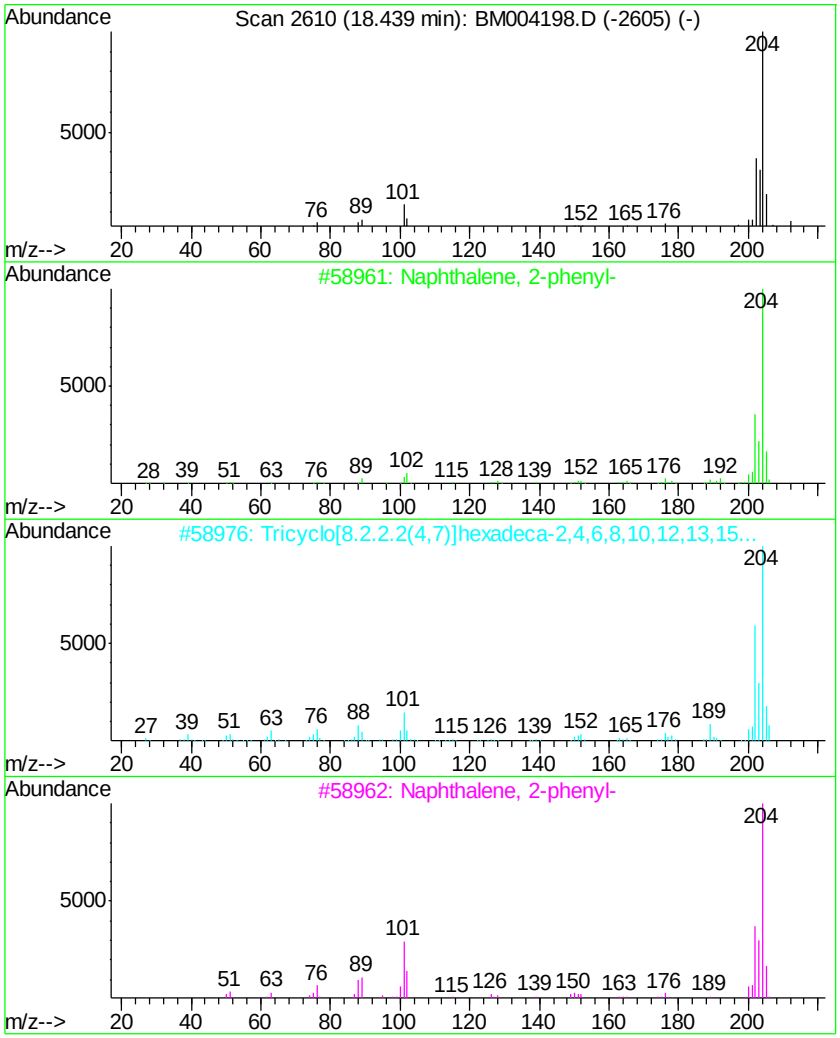
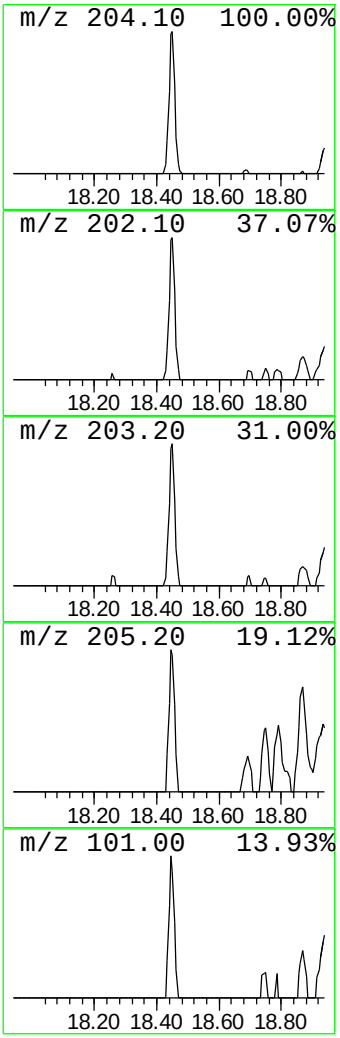
Peak Number 6 Naphthalene, 2-phenyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.44	3.06 ng/ul	66646	Phenanthrene-d10	17.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	92
2	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	86
3	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	86
4	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	76
5	2-Phenylnaphthalene	204	C16H12	035465-71-5	70





Library Search Compound Report

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Acq On : 08 Feb 2016 13:59
Operator : SJ/IZ
Sample : H1340-12 5X
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C04K2

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

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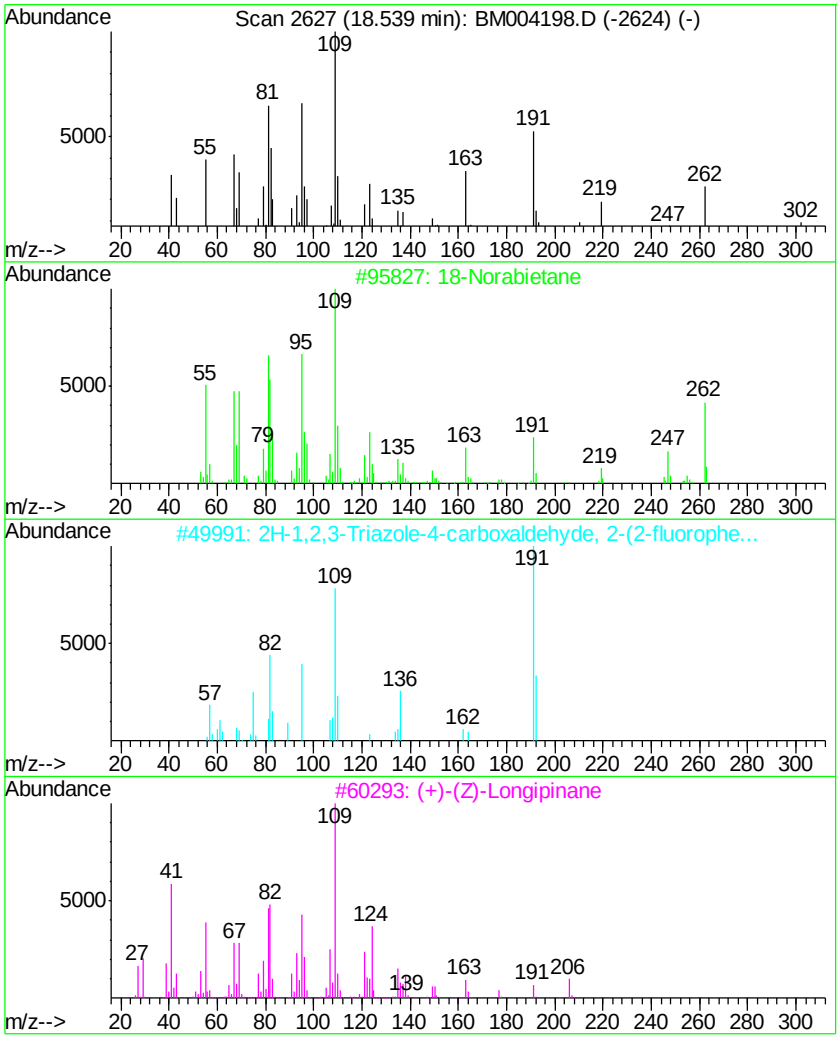
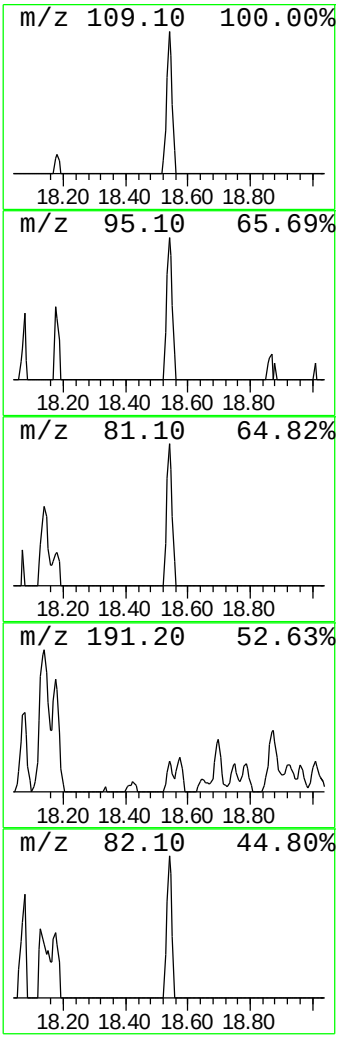
Peak Number 7 18-Norabietane Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.54	2.12 ng/ul	46194	Phenanthrene-d10	17.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	18-Norabietane	262	C19H34	1000293-16-6	93
2	2H-1,2,3-Triazole-4-carboxaldehy...	191	C9H6FN3O	051306-43-5	52
3	(+)-(Z)-Longipinane	206	C15H26	1000156-12-3	32
4	Anthracene, 9-butyltetradecahydro-	248	C18H32	055133-89-6	27
5	(7,7-Dimethyl-2-oxobicyclo[2.2.1...	250	C10H15ClO3S	1000194-76-1	27





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Instrument : BNA_M
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Quant Title : SVOA CALIBRATION

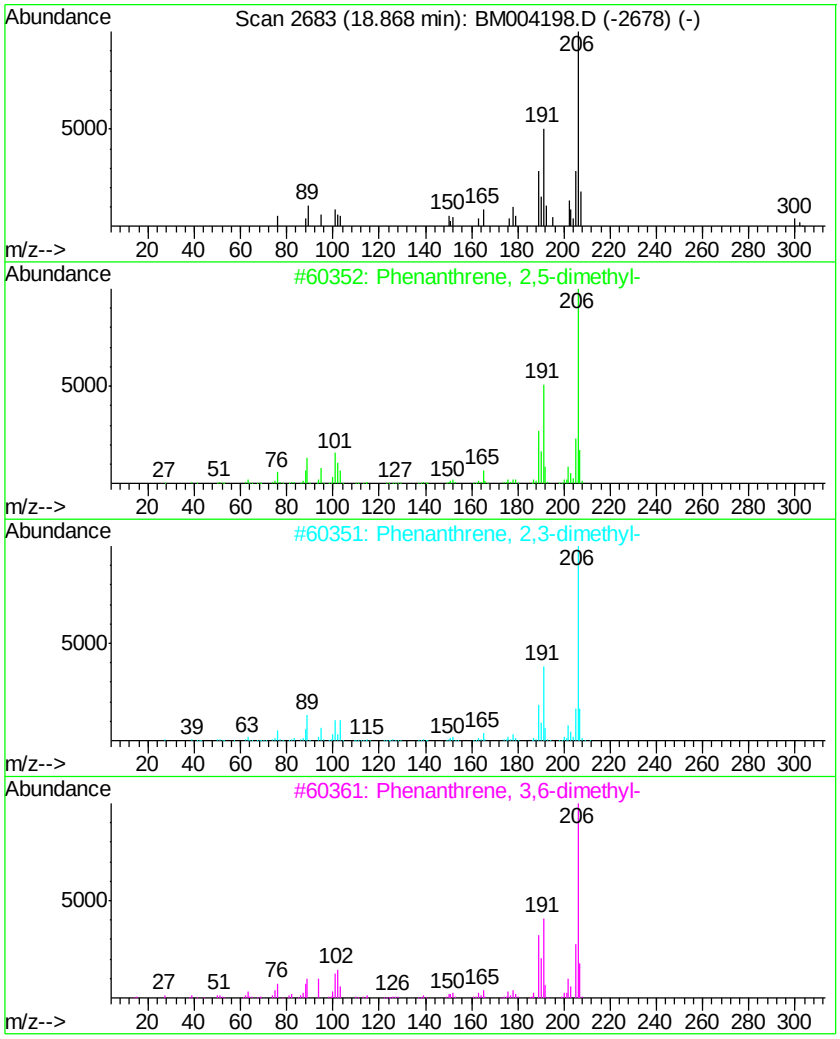
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

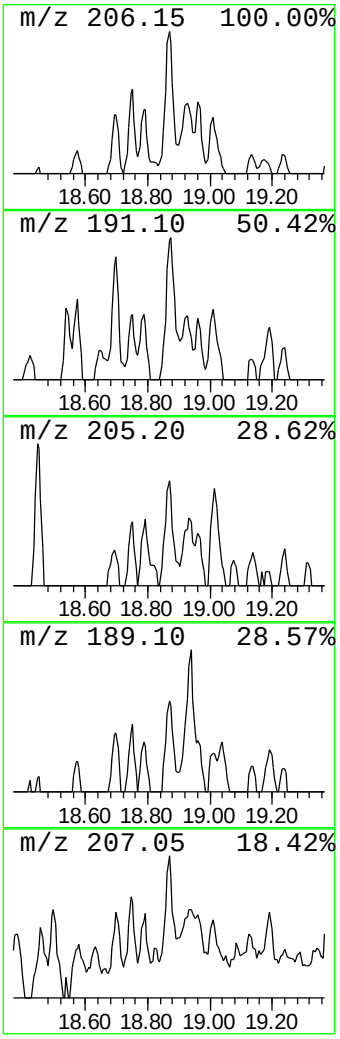
****

Peak Number 8 Phenanthrene, 2,5-dimethyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.87	2.83 ng/ul	61626	Phenanthrene-d10	17.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	94
2	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	91
3	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	90
4	9,10-Dimethylanthracene	206	C16H14	000781-43-1	90
5	9,10-Dimethylanthracene	206	C16H14	000781-43-1	90





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Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C04K2

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Quant Title : SVOA CALIBRATION

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

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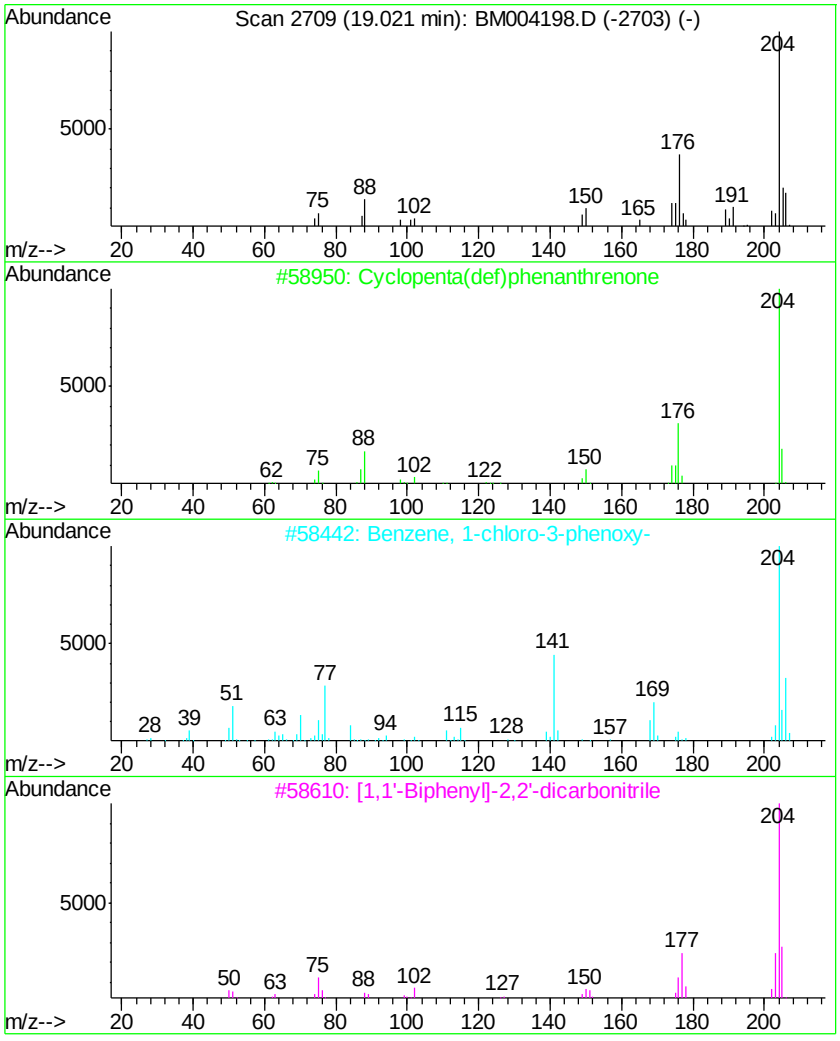
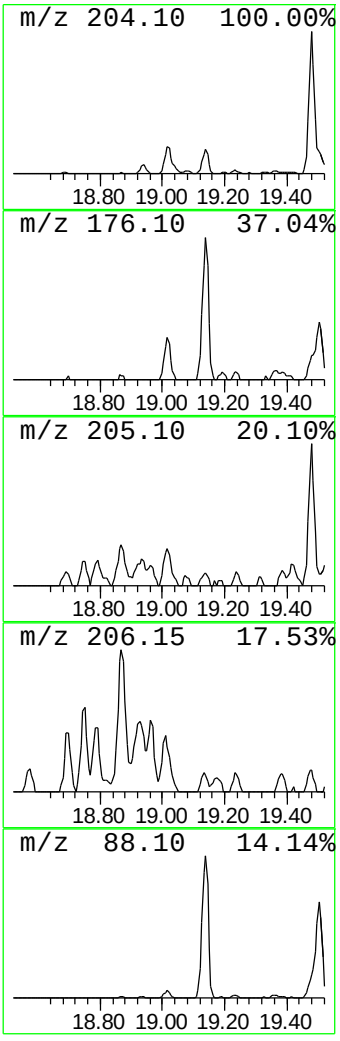
Peak Number 9 Cyclopenta(def)phenanthrenone Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.02	2.89 ng/ul	62930	Phenanthrene-d10	17.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	95
2	Benzene, 1-chloro-3-phenoxy-	204	C12H9ClO	006452-49-9	38
3	[1,1'-Biphenyl]-2,2'-dicarbonitrile	204	C14H8N2	004341-02-0	38
4	3,4-Biphenyldicarbonitrile	204	C14H8N2	004128-63-6	37
5	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	37





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Sample : H1340-12 5X
Misc :
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Instrument : BNA_M
ClientSampleId : C04K2

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Quant Title : SVOA CALIBRATION

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

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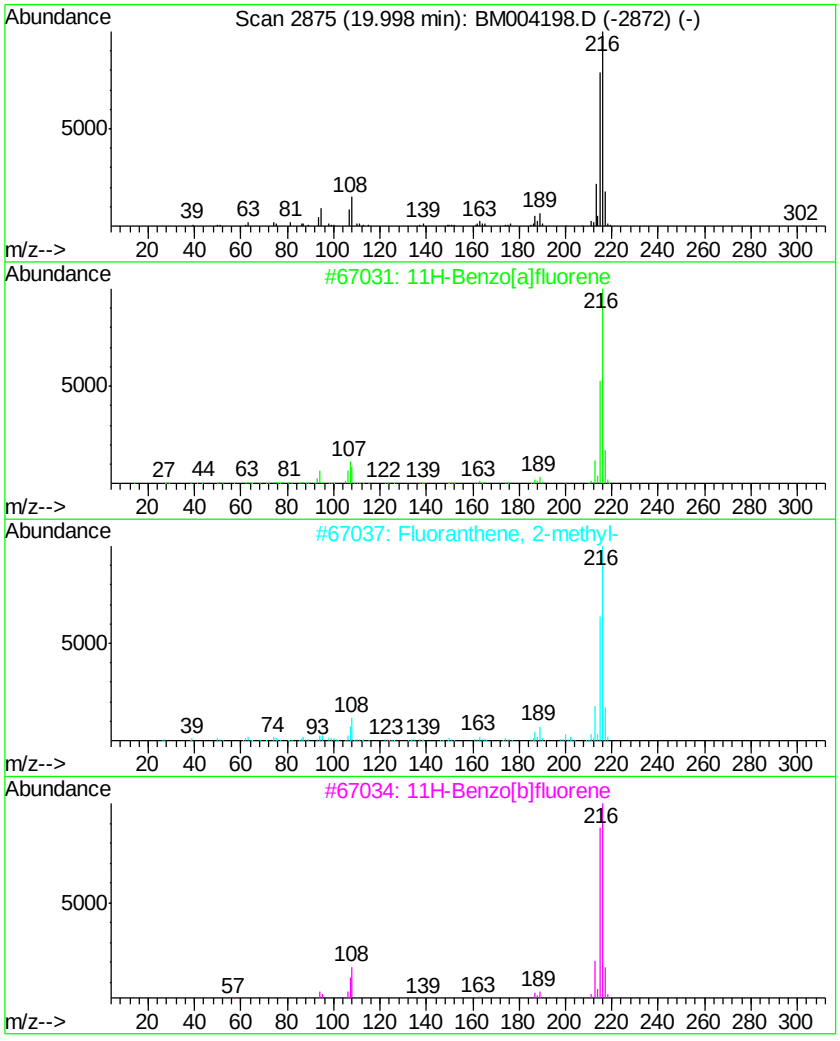
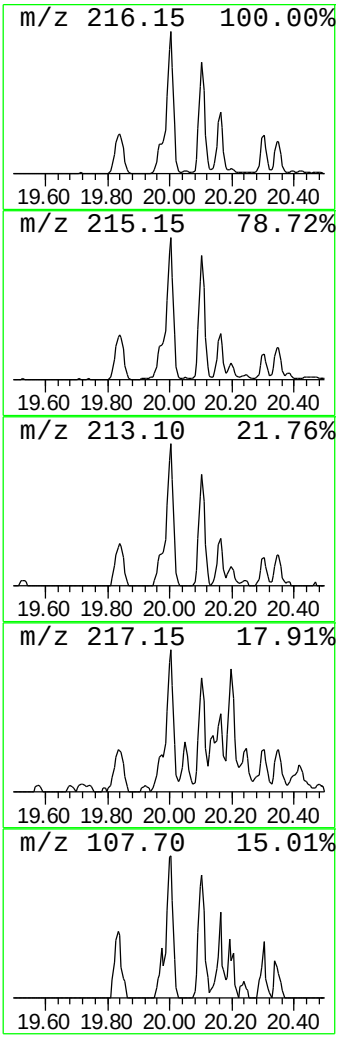
Peak Number 10 11H-Benzo[a]fluorene Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.00	2.64 ng/ul	278574	Chrysene-d12	21.28

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





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Sample : H1340-12 5X
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_M
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Quant Title : SVOA CALIBRATION

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

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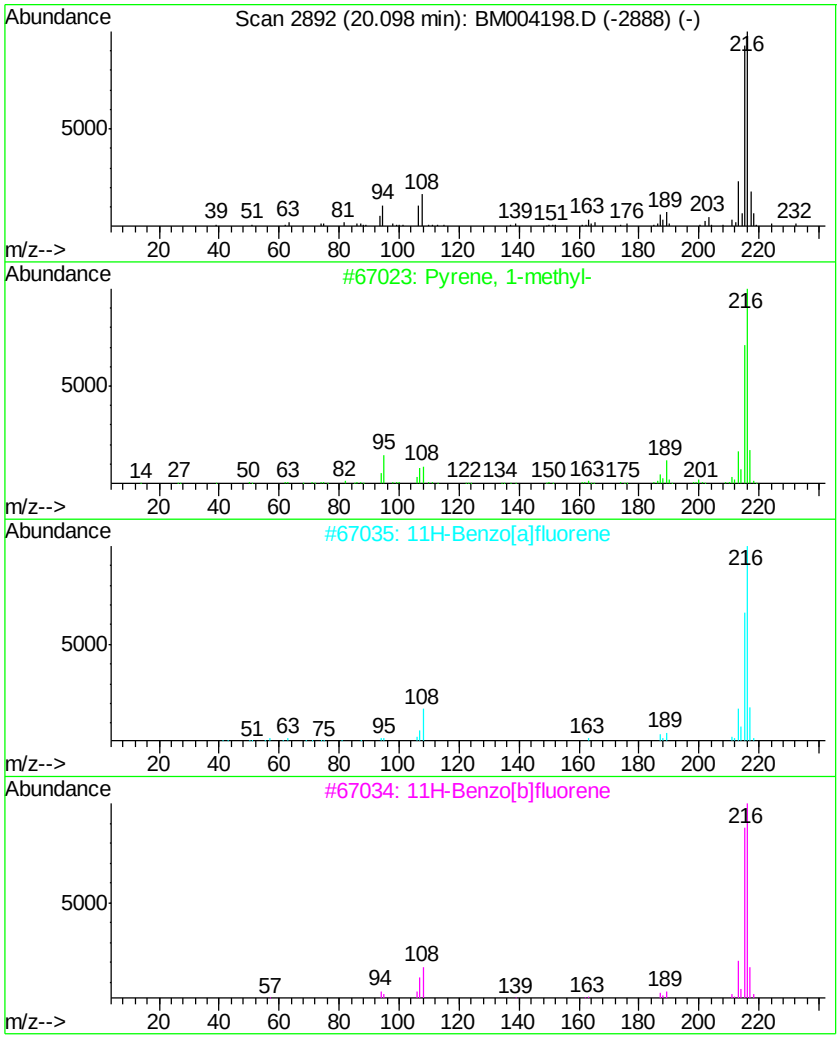
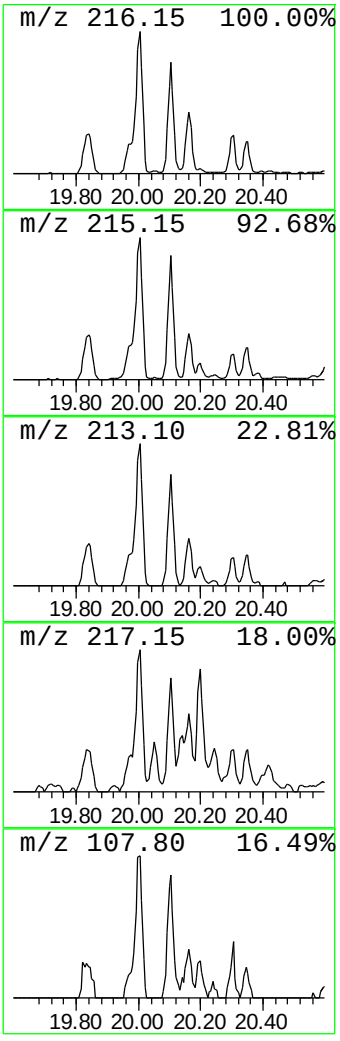
Peak Number 11 Pyrene, 1-methyl- Concentration Rank 24

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.10	2.05 ng/ul	216139	Chrysene-d12	21.28

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	97
2	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	92
3	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	91
4	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	91
5	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	87





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Operator : SJ/IZ
Sample : H1340-12 5X
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_M
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Quant Title : SVOA CALIBRATION

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

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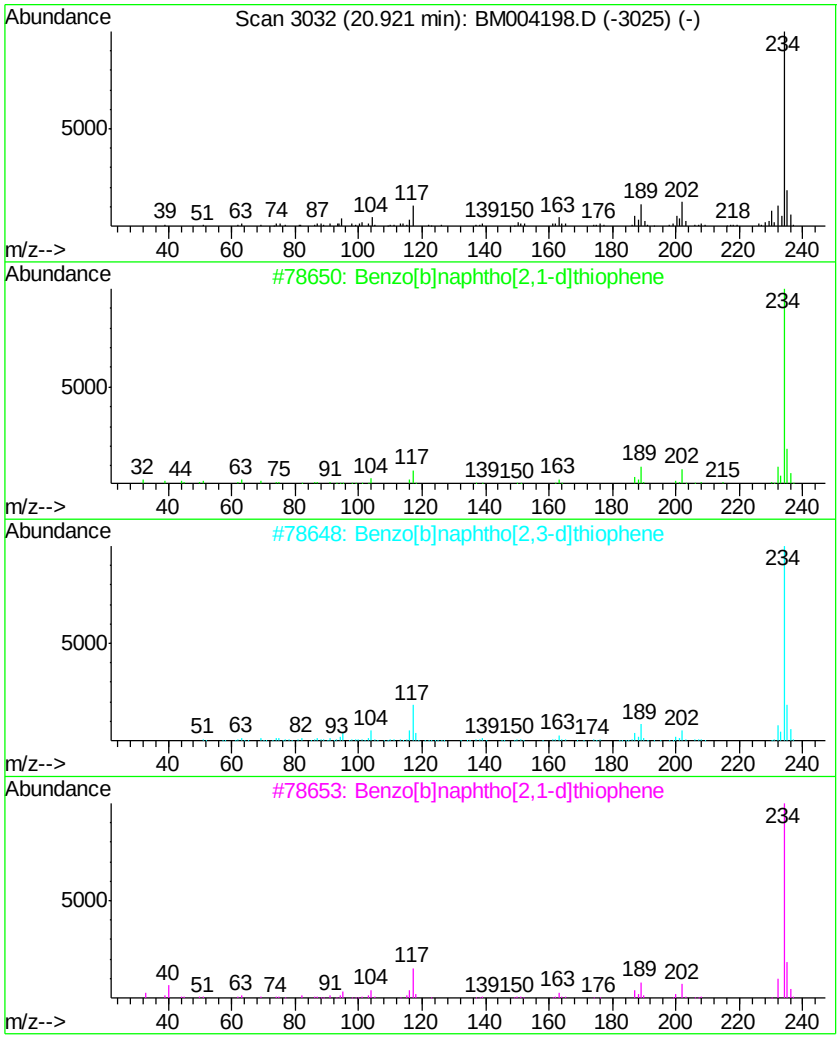
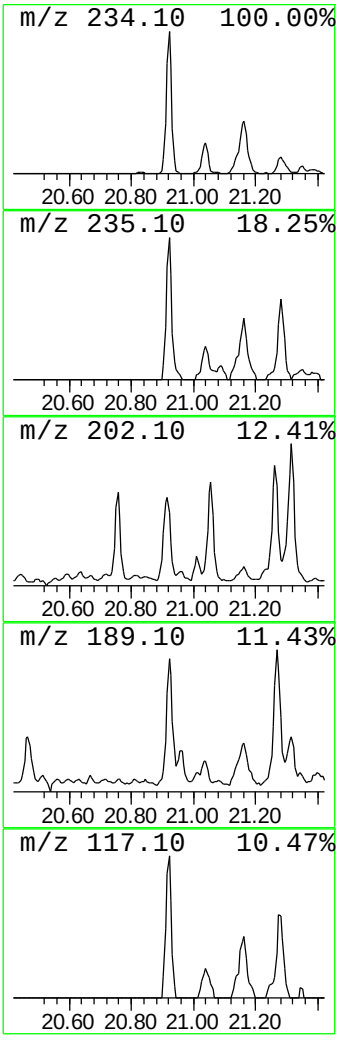
Peak Number 12 Benzo[b]naphtho[2,1-d]thiop... Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.92	2.28 ng/ul	240208	Chrysene-d12	21.28

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	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	91
4	Benzo[b]naphtho[2,3-d]thiophene	234	C16H10S	000243-46-9	87
5	Benzo[b]naphtho[2,1-d]thiophene	234	C16H10S	000239-35-0	87





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Sample : H1340-12 5X
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C04K2

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Quant Title : SVOA CALIBRATION

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

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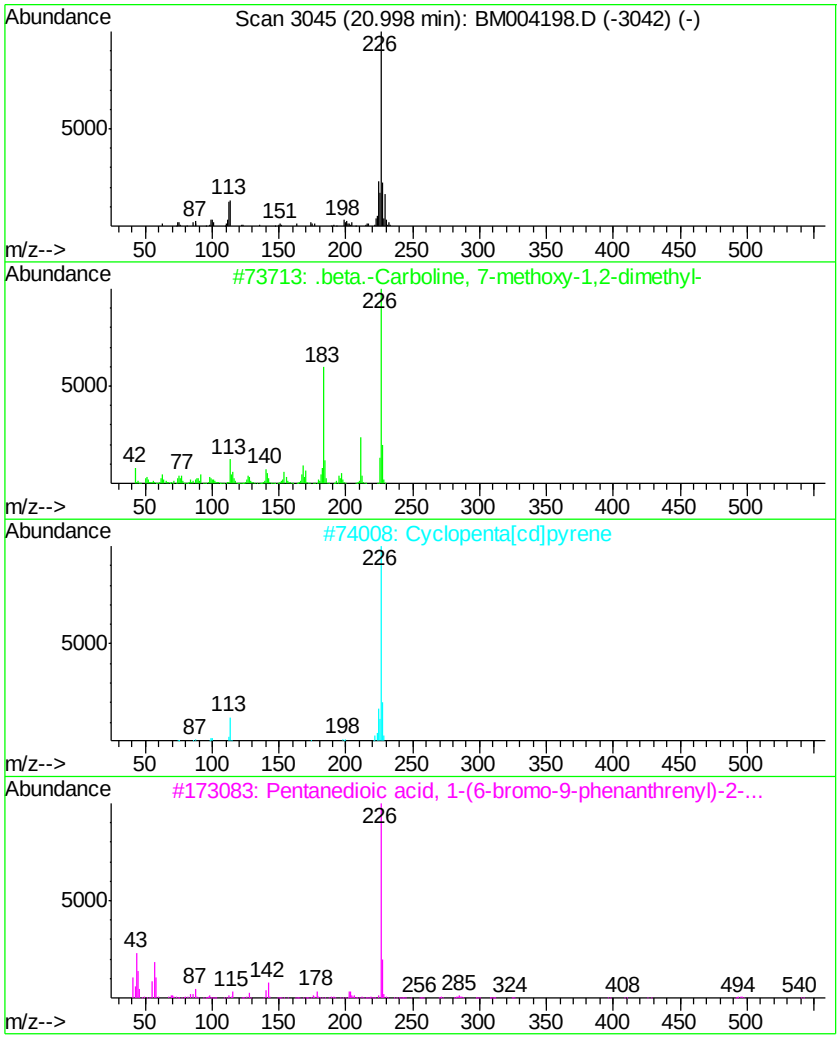
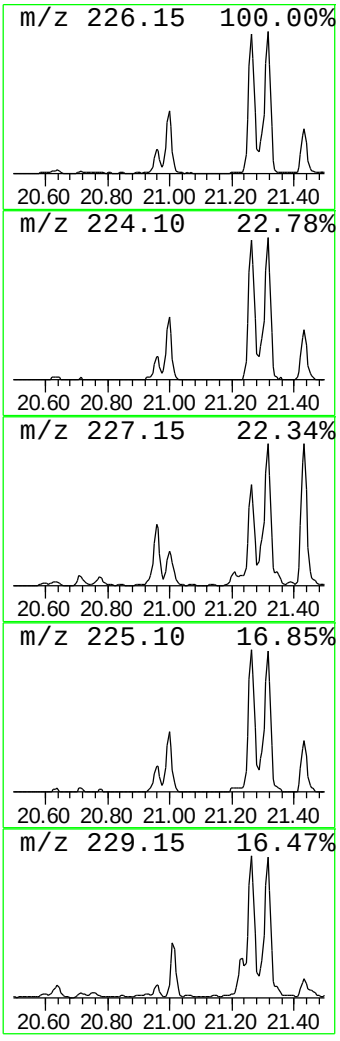
Peak Number 13 unknown-01 Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.00	2.40 ng/ul	253590	Chrysene-d12	21.28

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	.beta.-Carboline, 7-methoxy-1,2-...	226	C14H14N2O	006519-18-2	43
2	Cyclopenta[cd]pyrene	226	C18H10	027208-37-3	43
3	Pentanedioic acid, 1-(6-bromo-9-...	625	C35H48BrNO4	049646-95-9	38
4	Benz[c]acridine	229	C17H11N	000225-51-4	38
5	Benzene, [4-(3-ethynylphenyl)-1,...	226	C18H10	1000115-87-3	37





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Sample : H1340-12 5X
Misc :
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Instrument : BNA_M
ClientSampleId : C04K2

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Quant Title : SVOA CALIBRATION

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

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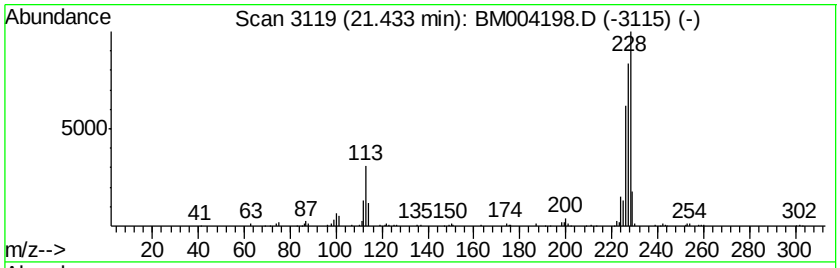
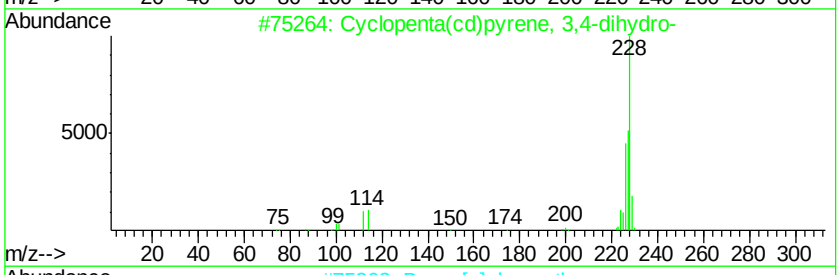
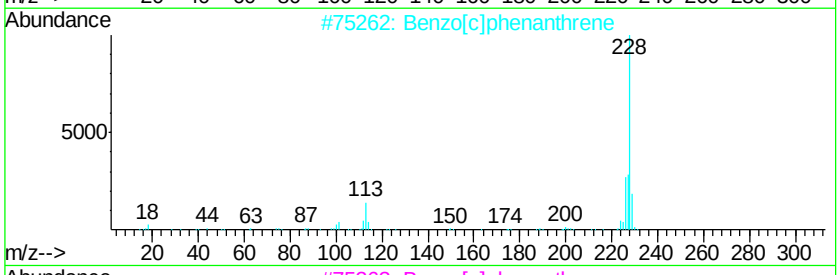
Peak Number 14 Cyclopenta(cd)pyrene, 3,4-d... Concentration Rank 19

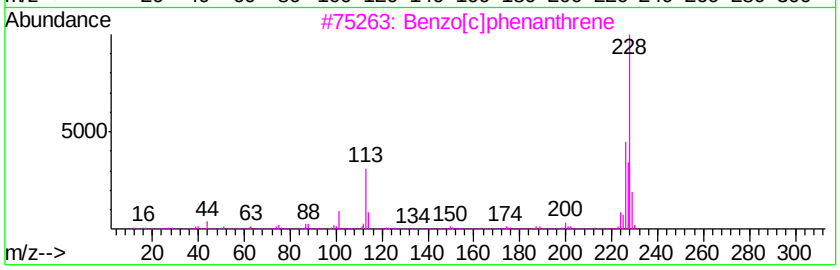
R.T.	EstConc	Area	Relative to ISTD	R.T.
21.43	2.37 ng/ul	250357	Chrysene-d12	21.28

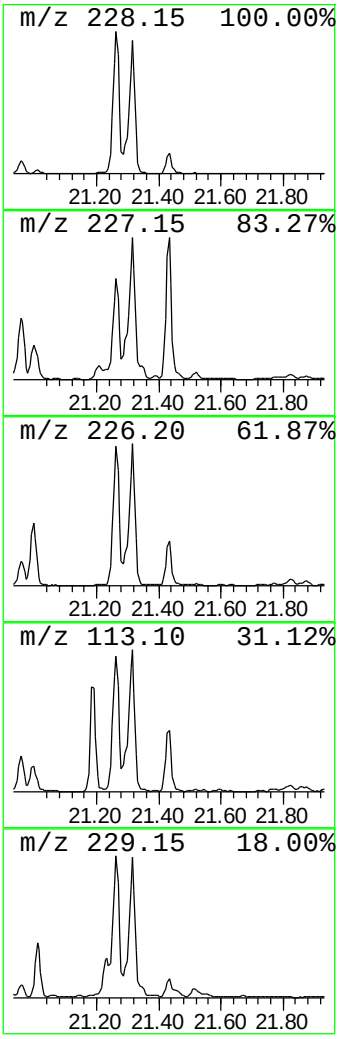
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(cd)pyrene, 3,4-dihydro-	228	C18H12	025732-74-5	70
2	Benzo[c]phenanthrene	228	C18H12	000195-19-7	60
3	Benzo[c]phenanthrene	228	C18H12	000195-19-7	55
4	Diphenylvinylphosphine oxide	228	C14H13OP	002096-78-8	47
5	Isothiazol-5-amine, 4-bromo-3-ch...	226	C4H4BrClN2S	1000272-59-9	47











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Sample : H1340-12 5X
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C04K2

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Quant Title : SVOA CALIBRATION

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

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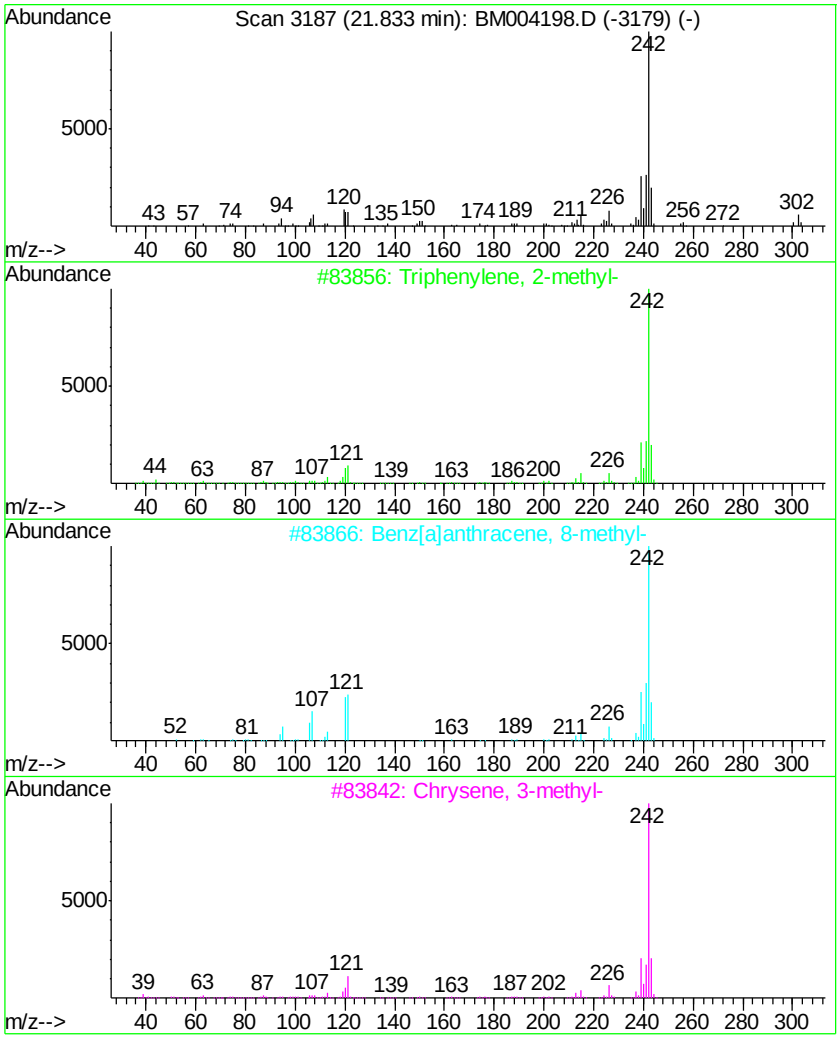
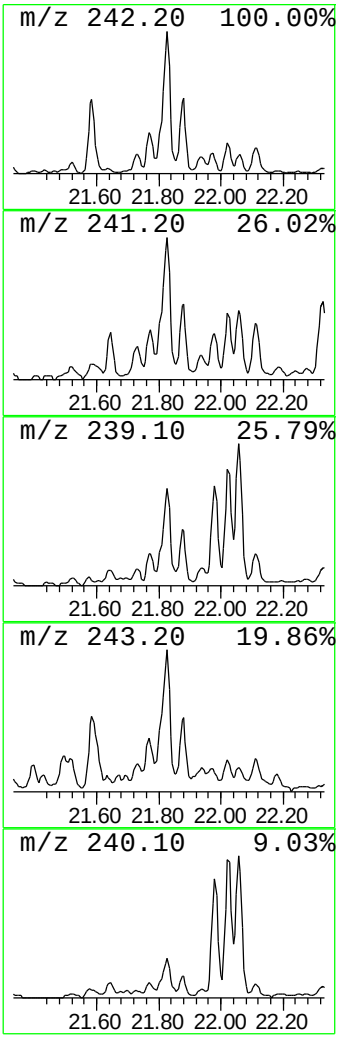
Peak Number 15 Triphenylene, 2-methyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.83	2.65 ng/ul	279327	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	95
3	Chrysene, 3-methyl-	242	C19H14	003351-31-3	93
4	Chrysene, 6-methyl-	242	C19H14	001705-85-7	90
5	Benzo[c]phenanthrene, 5-methyl-	242	C19H14	000652-04-0	90





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Quant Title : SVOA CALIBRATION

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

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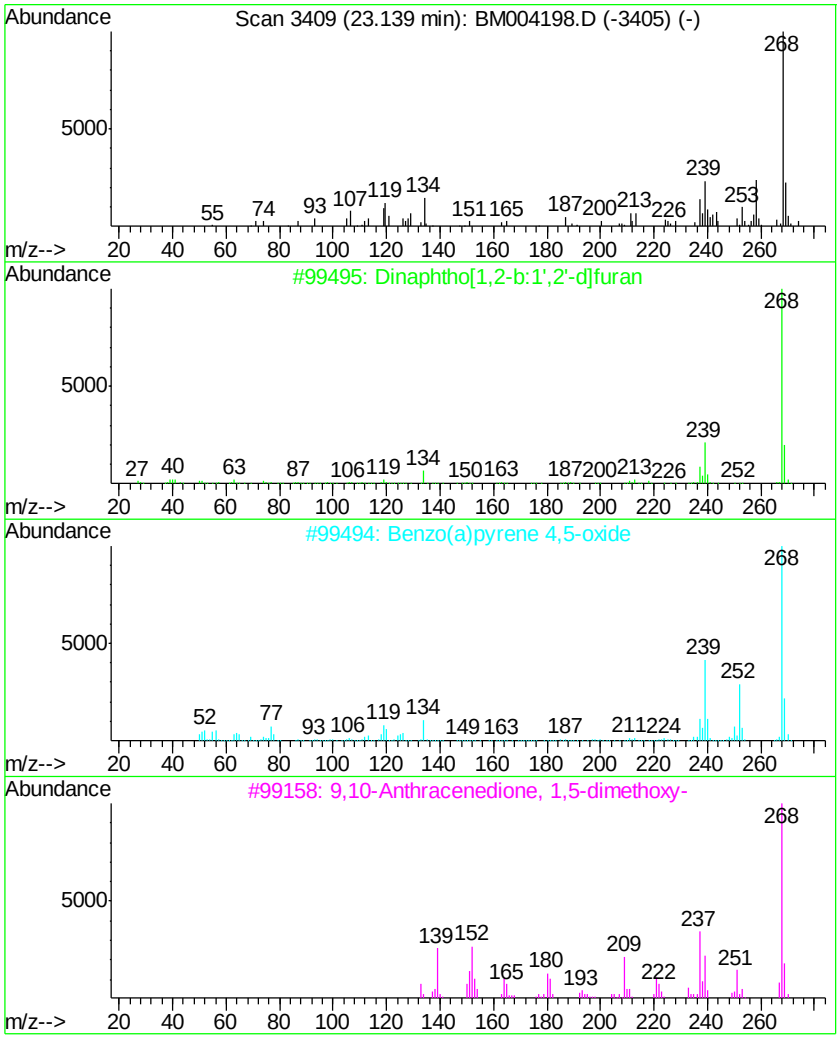
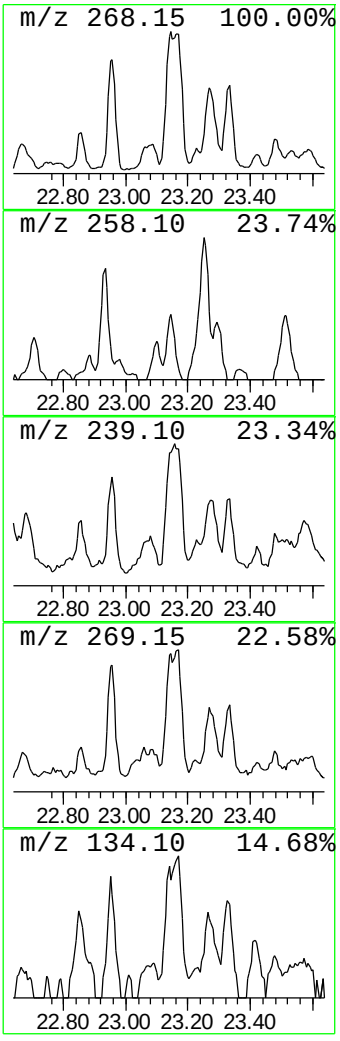
Peak Number 18 Dinaphtho[1,2-b:1',2'-d]furan Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
23.14	4.39 ng/ul	146093	Perylene-d12	23.52

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dinaphtho[1,2-b:1',2'-d]furan	268	C20H12O	000207-93-2	62
2	Benzo(a)pyrene 4,5-oxide	268	C20H12O	037574-47-3	58
3	9,10-Anthracenedione, 1,5-dimeth...	268	C16H12O4	006448-90-4	53
4	4H-1-Benzopyran-4-one, 5-hydroxy...	268	C16H12O4	000520-28-5	50
5	Naphthalene, 1-(2-naphthalenylme...	268	C21H16	000611-48-3	50





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Quant Title : SVOA CALIBRATION

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

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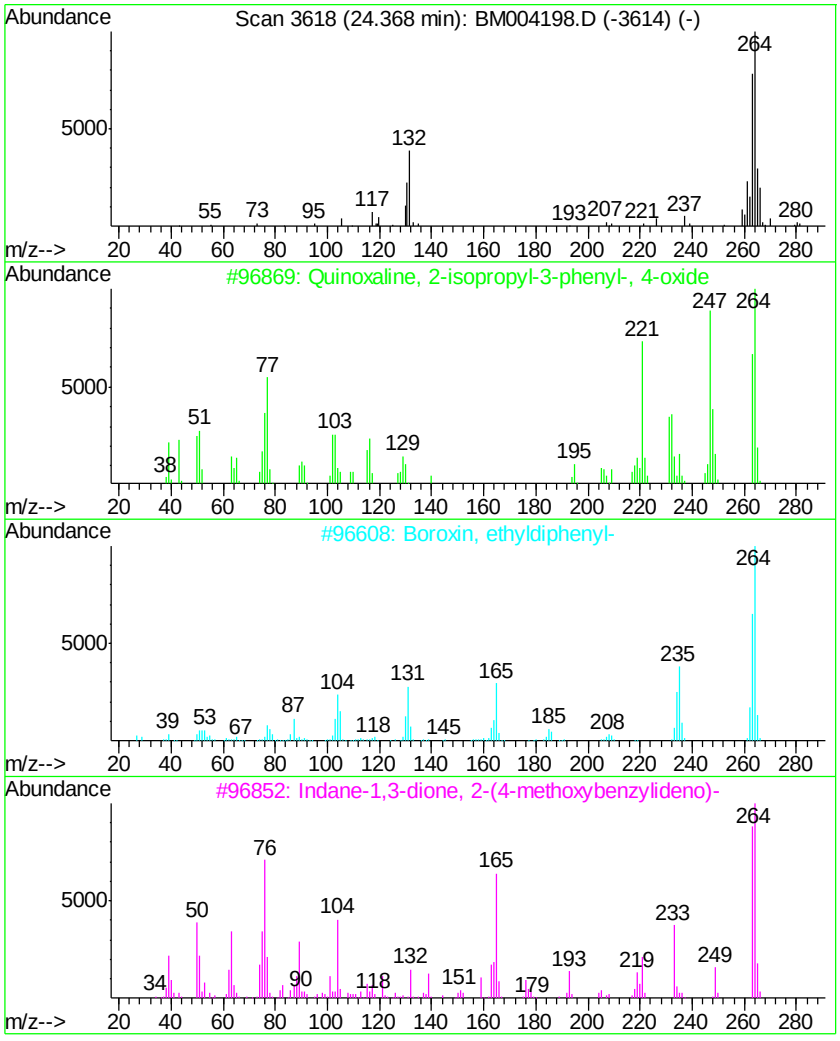
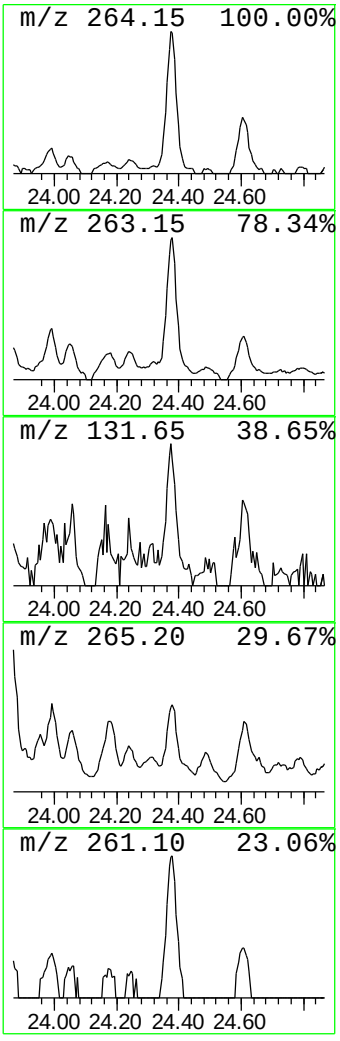
Peak Number 19 unknown-02 Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
24.37	3.31 ng/ul	110183	Perylene-d12	23.52

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Quinoxaline, 2-isopropyl-3-pheny...	264	C17H16N2O	016007-79-7	47
2	Boroxin, ethyldiphenyl-	264	C14H15B3O3	1000151-82-0	38
3	Indane-1,3-dione, 2-(4-methoxybe...	264	C17H12O3	007421-76-3	38
4	Iron, (.eta.-5-cyclopentadienyl)...	264	C16H16Fe	1000155-06-6	25
5	7-Carbomethoxy-5,8-dimethoxy-1-t...	264	C14H16O5	122136-07-6	14





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Data File : BM004198.D
Acq On : 08 Feb 2016 13:59
Operator : SJ/IZ
Sample : H1340-12 5X
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C04K2

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

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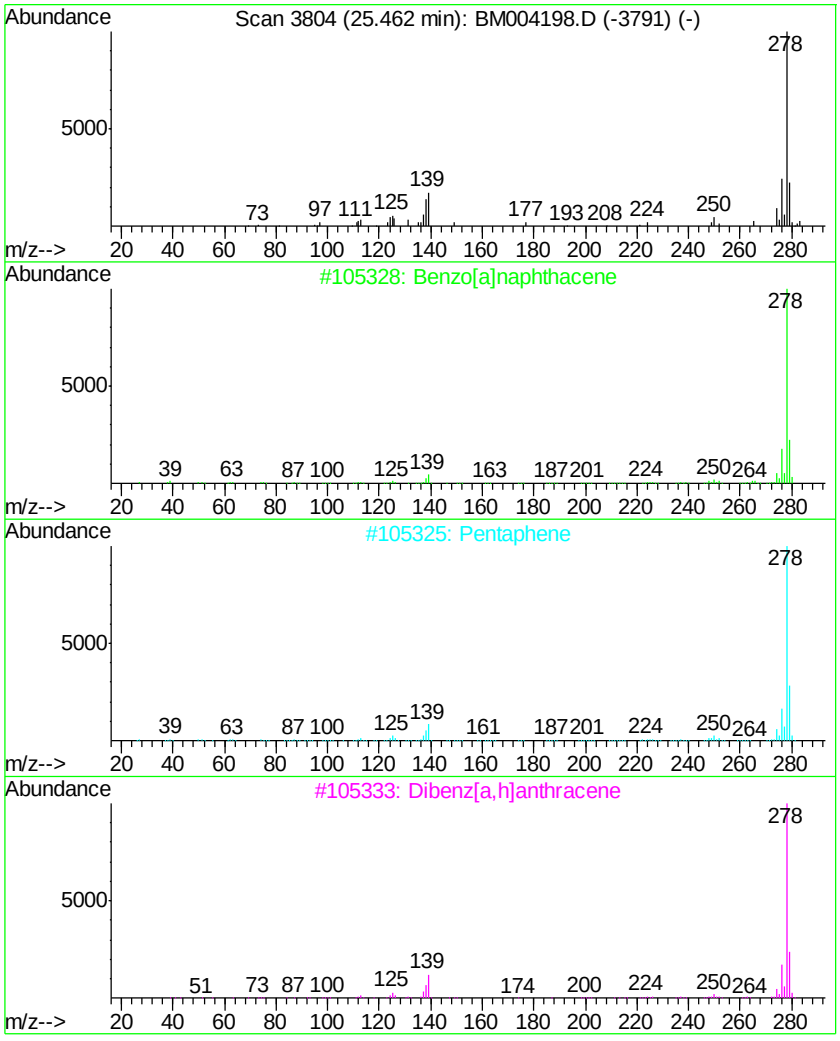
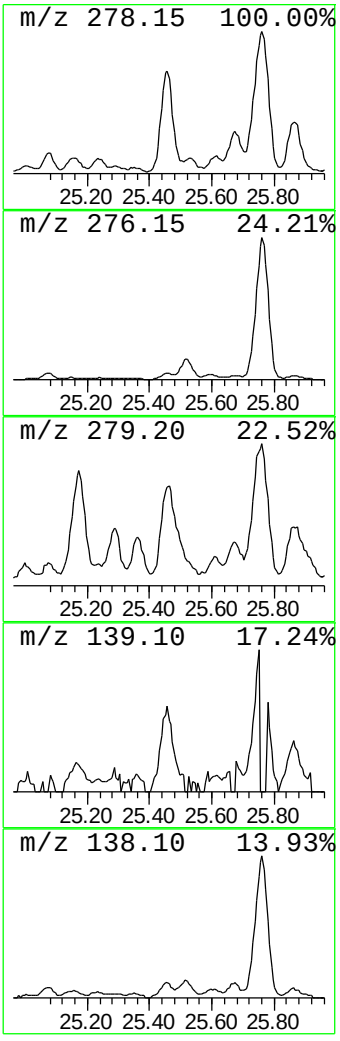
Peak Number 20 Benzo[a]naphthacene Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
25.46	4.06 ng/ul	135293	Perylene-d12	23.52

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[a]naphthacene	278	C22H14	000226-88-0	91
2	Pentaphene	278	C22H14	000222-93-5	91
3	Dibenz[a,h]anthracene	278	C22H14	000053-70-3	91
4	Benzo[b]chrysene	278	C22H14	000214-17-5	91
5	Dibenz[a,h]anthracene	278	C22H14	000053-70-3	91





Data Path : Z:\HPCHEM1\BNA_M\DATA\BM020816\
Data File : BM004198.D
Acq On : 08 Feb 2016 13:59
Operator : SJ/IZ
Sample : H1340-12 5X
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C04K2

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

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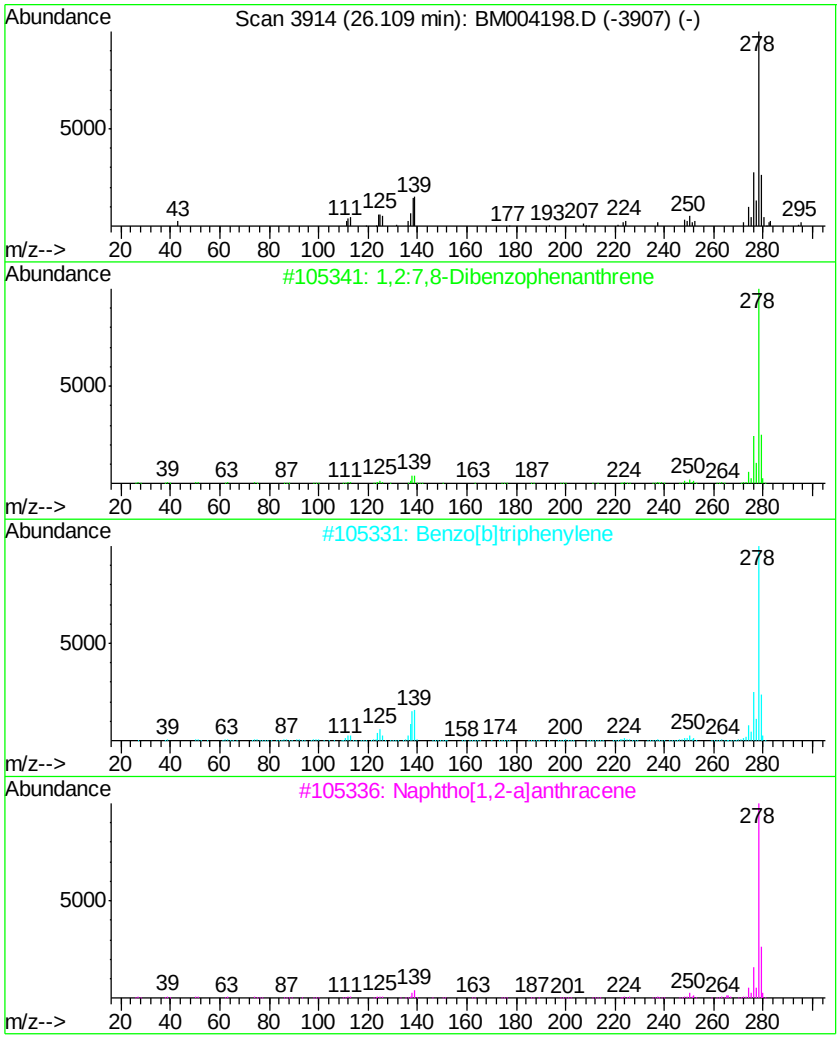
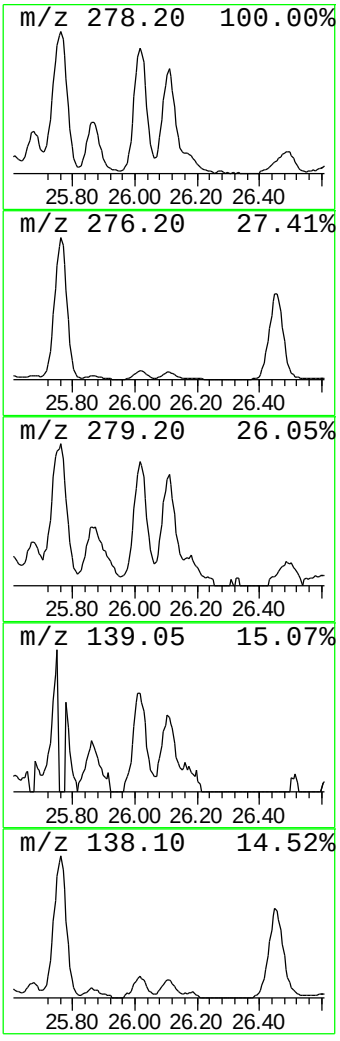
Peak Number 23 1,2:7,8-Dibenzophenanthrene Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
26.11	2.82 ng/ul	93973	Perylene-d12	23.52

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,2:7,8-Dibenzophenanthrene	278	C22H14	000213-46-7	95
2	Benzo[b]triphenylene	278	C22H14	000215-58-7	94
3	Naphtho[1,2-a]anthracene	278	C22H14	000195-06-2	93
4	Benzo[a]naphthacene	278	C22H14	000226-88-0	93
5	Pentaphene	278	C22H14	000222-93-5	90





Data Path : Z:\HPCHEM1\BNA_M\DATA\BM020816\
Data File : BM004198.D
Acq On : 08 Feb 2016 13:59
Operator : SJ/IZ
Sample : H1340-12 5X
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C04K2

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

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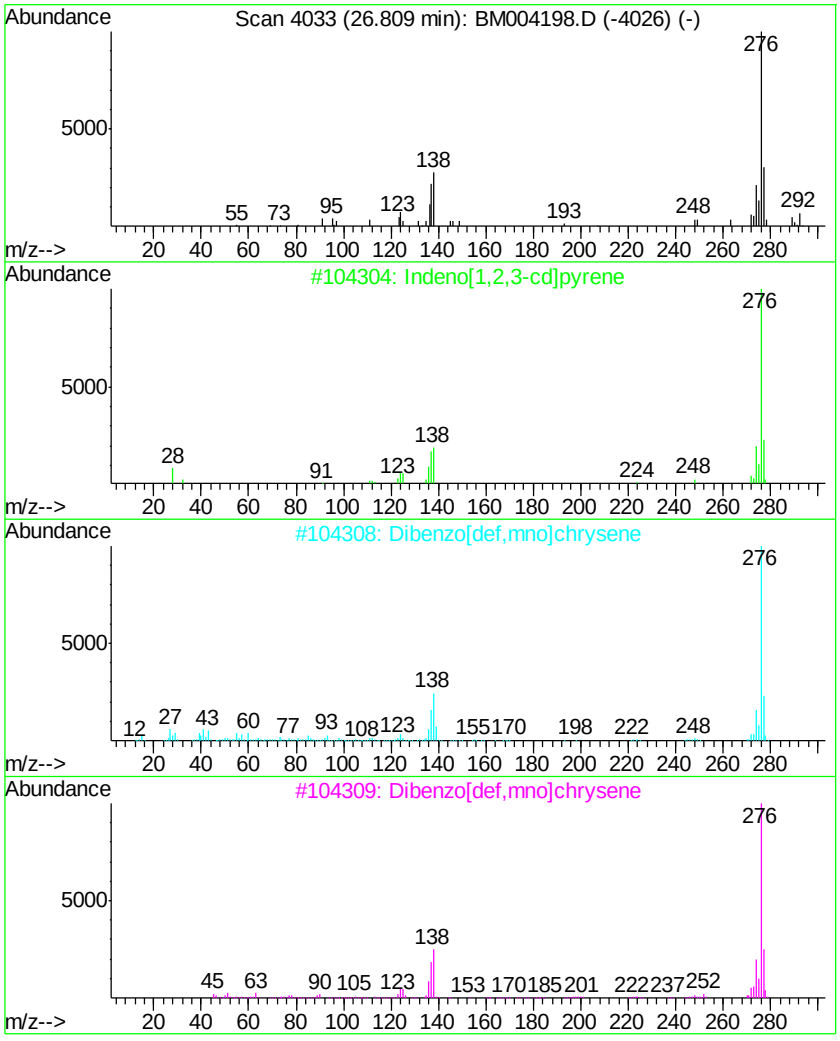
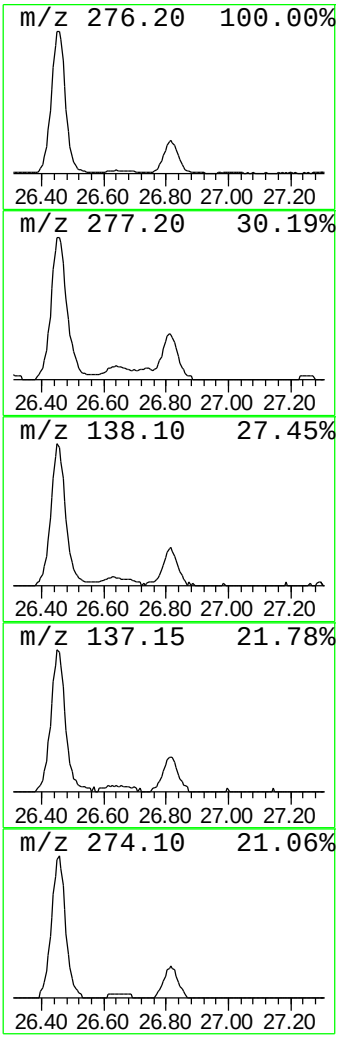
Peak Number 24 Dibenzo[def,mno]chrysene Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
26.81	4.70 ng/ul	156435	Perylene-d12	23.52

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indeno[1,2,3-cd]pyrene	276	C22H12	000193-39-5	93
2	Dibenzo[def,mno]chrysene	276	C22H12	000191-26-4	93
3	Dibenzo[def,mno]chrysene	276	C22H12	000191-26-4	91
4	Benzo[ghi]perylene	276	C22H12	000191-24-2	91
5	Benzo[ghi]perylene	276	C22H12	000191-24-2	91





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM020816\
Data File : BM004198.D
Acq On : 08 Feb 2016 13:59
Operator : SJ/IZ
Sample : H1340-12 5X
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C04K2

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

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
Phenanthrene, 1-m...	17.94	3.8	ng/ul	82049	4	17.07	436209	20.0
Phenanthrene, 2-m...	17.99	5.4	ng/ul	117304	4	17.07	436209	20.0
1H-Cyclopropa[l]p...	18.07	2.1	ng/ul	45578	4	17.07	436209	20.0
4H-Cyclopenta[def...	18.14	9.4	ng/ul	205051	4	17.07	436209	20.0
Naphthalene, 2-ph...	18.44	3.1	ng/ul	66646	4	17.07	436209	20.0
18-Norabietane	18.54	2.1	ng/ul	46194	4	17.07	436209	20.0
Phenanthrene, 2,5...	18.87	2.8	ng/ul	61626	4	17.07	436209	20.0
Cyclopenta(def)ph...	19.02	2.9	ng/ul	62930	4	17.07	436209	20.0
11H-Benzo[a]fluorene	20.00	2.6	ng/ul	278574	5	21.28	2110310	20.0
Pyrene, 1-methyl-	20.10	2.0	ng/ul	216139	5	21.28	2110310	20.0
Benzo[b]naphtho[2...	20.92	2.3	ng/ul	240208	5	21.28	2110310	20.0
unknown-01	21.00	2.4	ng/ul	253590	5	21.28	2110310	20.0
Cyclopenta(cd)pyr...	21.43	2.4	ng/ul	250357	5	21.28	2110310	20.0
Triphenylene, 2-m...	21.83	2.6	ng/ul	279327	5	21.28	2110310	20.0
Dinaphtho[1,2-b:1...	23.14	4.4	ng/ul	146093	6	23.52	665782	20.0
unknown-02	24.37	3.3	ng/ul	110183	6	23.52	665782	20.0
Benzo[a]naphthacene	25.46	4.1	ng/ul	135293	6	23.52	665782	20.0
1,2:7,8-Dibenzoph...	26.11	2.8	ng/ul	93973	6	23.52	665782	20.0
Dibenzo[def,mno]c...	26.81	4.7	ng/ul	156435	6	23.52	665782	20.0