LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM011416\
Data File : BM004008.D
Acq On : 14 Jan 2016 05:50
Operator : SJ/UM
Sample : H1098-12
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BC963

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-BM010116.M
Title : SVOA CALIBRATION

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	6.839	632	638	648	rBV	107136	171238	14.97%	1.001%
2	6.998	659	665	677	rBB	95069	142787	12.48%	0.835%
3	7.198	693	699	707	rBB	119159	182746	15.97%	1.069%
4	7.663	772	778	786	rBB	159131	241263	21.09%	1.411%
5	8.375	893	899	909	rBB	132159	204070	17.83%	1.193%
6	8.822	969	975	984	rBB	115744	179396	15.68%	1.049%
7	9.539	1092	1097	1104	rBB	94990	147364	12.88%	0.862%
8	10.080	1183	1189	1201	rBB	146745	237242	20.73%	1.387%
9	10.451	1245	1252	1258	rBV	253629	405395	35.43%	2.371%
10	10.592	1270	1276	1287	rBV	113612	191299	16.72%	1.119%
11	13.727	1804	1809	1813	rVV	286470	388291	33.93%	2.271%
12	13.774	1813	1817	1824	rVB	169853	231394	20.22%	1.353%
13	14.010	1851	1857	1870	rBB	338404	498347	43.55%	2.914%
14	14.321	1904	1910	1917	rBB2	372834	557636	48.73%	3.261%
15	14.539	1942	1947	1957	rBV	67918	108299	9.46%	0.633%
16	15.315	2073	2079	2085	rBV	445963	625579	54.67%	3.658%
17	15.451	2097	2102	2107	rBV	84736	112380	9.82%	0.657%
18	16.039	2198	2202	2212	rBV3	22274	44903	3.92%	0.263%
19	17.068	2372	2377	2381	rBV	483301	670706	58.62%	3.922%
20	17.109	2381	2384	2389	rVB	177521	231414	20.22%	1.353%
21	17.168	2389	2394	2399	rBV	502990	695481	60.78%	4.067%
22	17.651	2469	2476	2484	rVB3	20027	31158	2.72%	0.182%
23	17.945	2521	2526	2530	rBV	79212	115401	10.09%	0.675%
24	17.992	2530	2534	2540	rVB	99834	139453	12.19%	0.815%
25	18.074	2541	2548	2553	rBV3	24924	40549	3.54%	0.237%
26	18.133	2553	2558	2563	rVV2	117296	216920	18.96%	1.268%
27	18.174	2563	2565	2575	rVB	78498	106629	9.32%	0.624%
28	18.450	2607	2612	2616	rVV2	44761	60415	5.28%	0.353%
29	18.498	2616	2620	2629	rVB2	40649	68249	5.96%	0.399%
30	18.698	2651	2654	2658	rVV	23620	27487	2.40%	0.161%
31	18.750	2659	2663	2666	rVB	28050	32957	2.88%	0.193%
32	18.792	2666	2670	2674	rVB3	22244	28351	2.48%	0.166%
33	18.874	2678	2684	2689	rBV	106844	182397	15.94%	1.067%
34	18.933	2689	2694	2697	rVV3	48191	96062	8.40%	0.562%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM011416\
Data File : BM004008.D
Acq On : 14 Jan 2016 05:50
Operator : SJ/UM
Sample : H1098-12
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BC963

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-BM010116.M
Title : SVOA CALIBRATION

35	18.962	2697	2699	2703	rVB	33143	39976	3.49%	0.234%
36	19.015	2703	2708	2721	rBV4	54740	137809	12.04%	0.806%
37	19.139	2721	2729	2735	rVB	391939	522891	45.70%	3.058%
38	19.203	2735	2740	2743	rBV2	23524	32790	2.87%	0.192%
39	19.239	2743	2746	2751	rVB3	30219	40007	3.50%	0.234%
40	19.339	2757	2763	2767	rBV3	25061	40960	3.58%	0.240%
41	19.474	2780	2786	2789	rBV	646299	963097	84.17%	5.632%
42	19.503	2789	2791	2800	rVB	521630	621263	54.30%	3.633%
43	19.580	2800	2804	2810	rVB2	47204	73717	6.44%	0.431%
44	19.745	2828	2832	2837	rVB2	35074	54196	4.74%	0.317%
45	19.827	2841	2846	2858	rBV4	68473	175990	15.38%	1.029%
46	19.915	2858	2861	2865	rBV2	19352	27204	2.38%	0.159%
47	19.968	2865	2870	2871	rBV4	57467	75989	6.64%	0.444%
48	20.003	2872	2876	2882	rVB2	96992	153841	13.45%	0.900%
49	20.103	2889	2893	2897	rVV	53570	63098	5.51%	0.369%
50	20.162	2897	2903	2907	rVV3	104320	145403	12.71%	0.850%
51	20.303	2922	2927	2931	rBV	98295	134273	11.73%	0.785%
52	20.344	2931	2934	2939	rVB	91202	114992	10.05%	0.672%
53	20.468	2950	2955	2959	rVB4	19702	30209	2.64%	0.177%
54	20.556	2967	2970	2973	rBV4	14737	23059	2.02%	0.135%
55	20.597	2973	2977	2980	rVV3	26675	43228	3.78%	0.253%
56	20.627	2980	2982	2986	rVV	23423	30793	2.69%	0.180%
57	20.721	2992	2998	3000	rBV5	22589	40324	3.52%	0.236%
58	20.756	3000	3004	3010	rVB	67491	110367	9.65%	0.645%
59	20.844	3016	3019	3024	rVB	25867	34552	3.02%	0.202%
60	20.921	3024	3032	3035	rBV5	64763	137762	12.04%	0.806%
61	20.956	3035	3038	3041	rVV	57631	85573	7.48%	0.500%
62	20.991	3041	3044	3050	rVV3	53244	117940	10.31%	0.690%
63	21.056	3050	3055	3060	rVB2	46927	83254	7.28%	0.487%
64	21.162	3070	3073	3082	rVV4	21061	52491	4.59%	0.307%
65	21.274	3085	3092	3096	rVV2	656372	1144224	100.00%	6.691%
66	21.315	3096	3099	3108	rVV	256988	366271	32.01%	2.142%
67	21.391	3108	3112	3115	rVV3	25684	33461	2.92%	0.196%
68	21.433	3115	3119	3124	rVV3	39094	66516	5.81%	0.389%
69	21.486	3125	3128	3141	rVB3	25900	94830	8.29%	0.555%
70	21.597	3143	3147	3150	rVV2	15837	25217	2.20%	0.147%
71	21.639	3151	3154	3158	rVV2	24141	28508	2.49%	0.167%

LSC Area Percent Report

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Data File : BM004008.D
Acq On : 14 Jan 2016 05:50
Operator : SJ/UM
Sample : H1098-12
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BC963

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

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Peak separation: 5

Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM010116.M
Title : SVOA CALIBRATION

72	21.727	3165	3169	3173	rBV3	17588	24211	2.12%	0.142%
73	21.774	3173	3177	3179	rVV	28007	37837	3.31%	0.221%
74	21.827	3179	3186	3189	rVV	109150	192726	16.84%	1.127%
75	21.874	3192	3194	3200	rVV	74655	118988	10.40%	0.696%
76	21.944	3202	3206	3209	rVV3	43165	81730	7.14%	0.478%
77	21.980	3209	3212	3215	rVV3	36712	57093	4.99%	0.334%
78	22.021	3215	3219	3223	rVV	68429	119833	10.47%	0.701%
79	22.056	3223	3225	3230	rVB2	42186	48941	4.28%	0.286%
80	22.121	3232	3236	3241	rVB2	34334	56197	4.91%	0.329%
81	22.315	3265	3269	3273	rBV4	28029	49623	4.34%	0.290%
82	22.444	3284	3291	3294	rBV4	30996	66362	5.80%	0.388%
83	22.544	3303	3308	3310	rBV2	13610	22255	1.94%	0.130%
84	22.591	3312	3316	3321	rVB6	23568	46505	4.06%	0.272%
85	22.844	3349	3359	3370	rBV	134197	430826	37.65%	2.519%
86	23.015	3383	3388	3393	rVB	24130	39045	3.41%	0.228%
87	23.321	3434	3440	3443	rBV	87029	152772	13.35%	0.893%
88	23.374	3443	3449	3453	rVV	347691	666385	58.24%	3.897%
89	23.415	3453	3456	3462	rVB	145990	234039	20.45%	1.369%
90	23.515	3465	3473	3478	rVV	313895	590981	51.65%	3.456%
91	23.562	3478	3481	3489	rVB3	37999	82963	7.25%	0.485%
92	24.015	3551	3558	3562	rBV4	26599	57092	4.99%	0.334%
93	24.174	3579	3585	3591	rBV6	9838	25273	2.21%	0.148%
94	24.374	3617	3619	3633	rVB4	18653	46142	4.03%	0.270%
95	24.756	3678	3684	3691	rVB5	25193	59555	5.20%	0.348%
96	25.609	3822	3829	3838	rBV4	17086	50786	4.44%	0.297%
97	25.756	3846	3854	3864	rVB	58727	166080	14.51%	0.971%
98	26.103	3907	3913	3923	rVB3	11689	32490	2.84%	0.190%
99	26.450	3964	3972	3985	rVB	43724	132962	11.62%	0.778%
100	26.815	4028	4034	4043	rVB5	10353	32150	2.81%	0.188%

Sum of corrected areas: 17101175

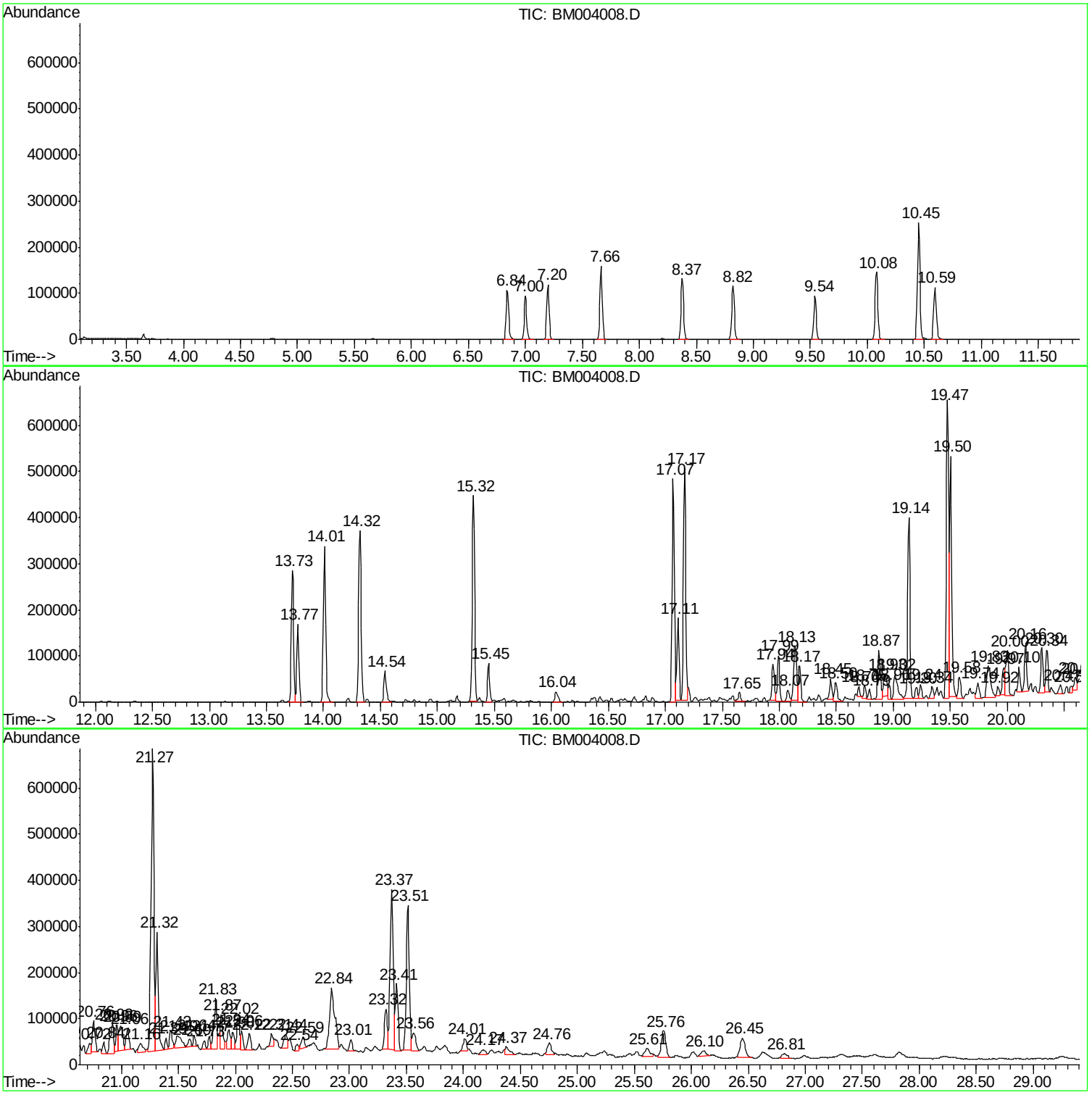
LSC Report - Integrated Chromatogram

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM011416\
Data File : BM004008.D
Acq On : 14 Jan 2016 05:50
Operator : SJ/UM
Sample : H1098-12
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BC963

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM010116.M
Quant Title : SVOA CALIBRATION

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



Data Path : Z:\HPCHEM1\BNA_M\DATA\BM011416\
Data File : BM004008.D
Acq On : 14 Jan 2016 05:50
Operator : SJ/UM
Sample : H1098-12
Misc :
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Instrument : BNA_M
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Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM010116.M
Quant Title : SVOA CALIBRATION

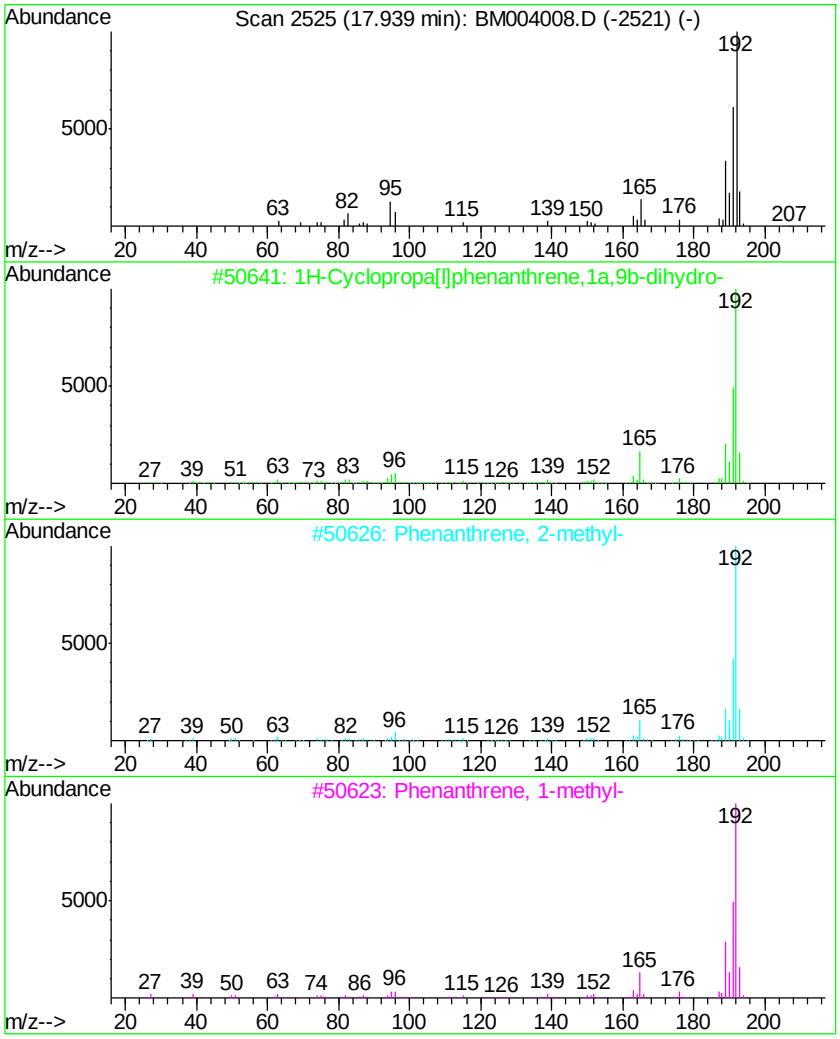
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

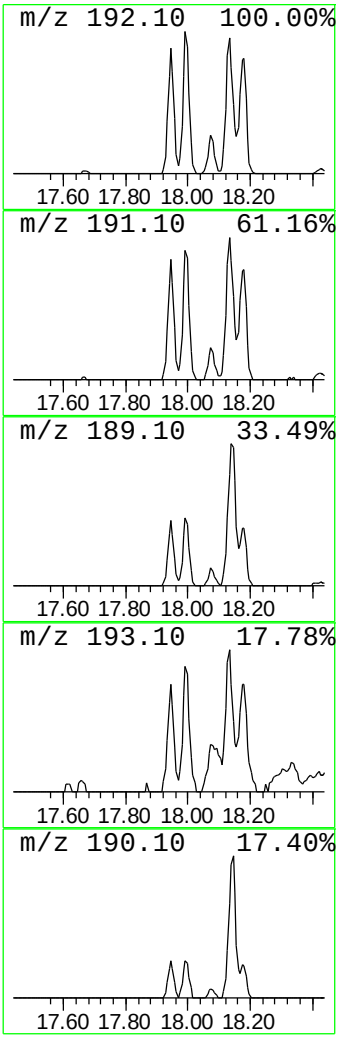
****

Peak Number 1 1H-Cyclopropa[l]phenanthren... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.94	3.44 ng/ul	115401	Phenanthrene-d10	17.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	96
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
4	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
5	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	95





Data Path : Z:\HPCHEM1\BNA_M\DATA\BM011416\
Data File : BM004008.D
Acq On : 14 Jan 2016 05:50
Operator : SJ/UM
Sample : H1098-12
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BC963

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM010116.M
Quant Title : SVOA CALIBRATION

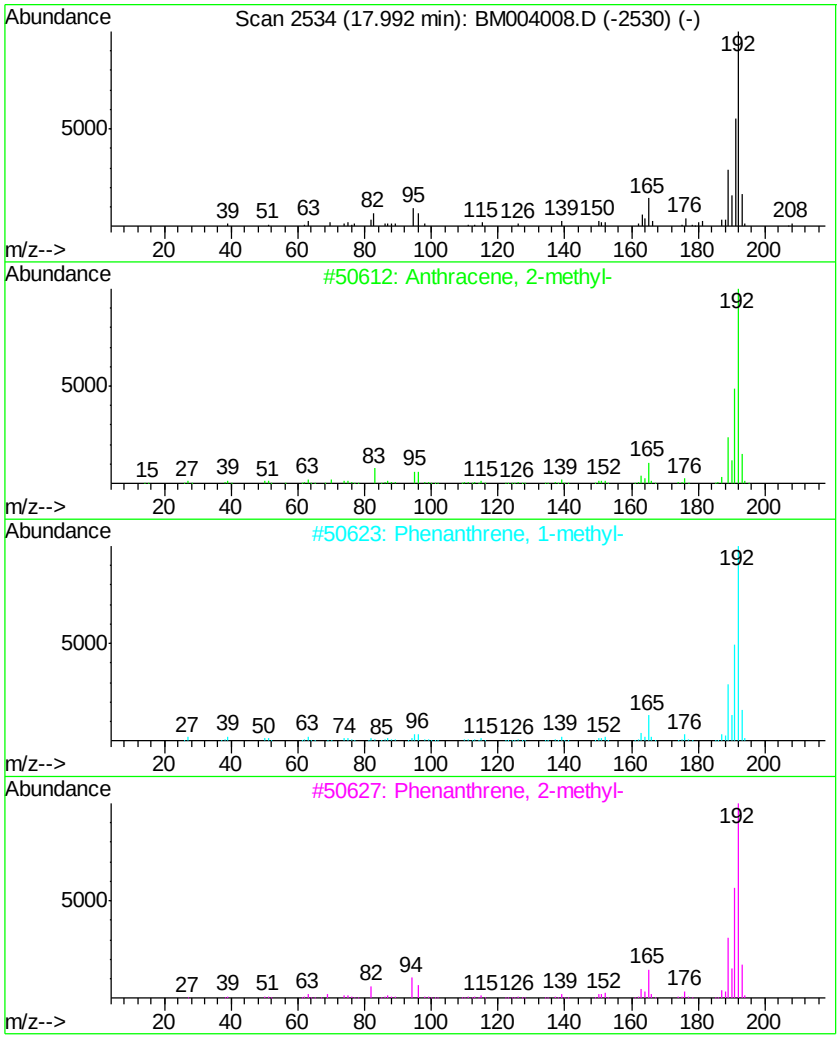
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

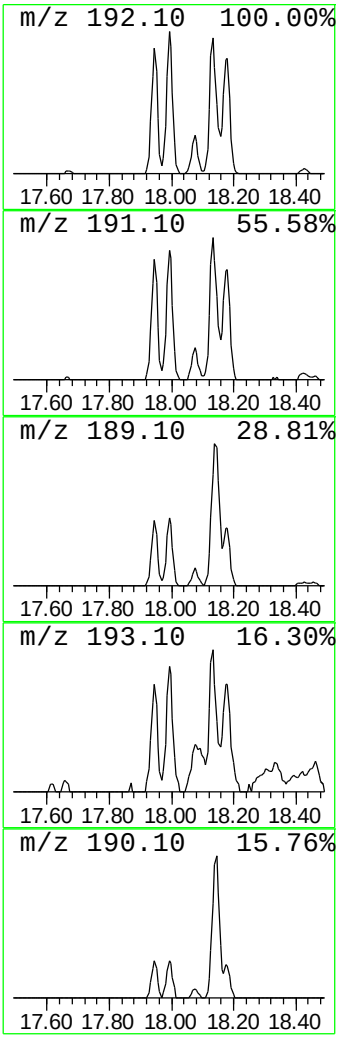
****

Peak Number 2 Anthracene, 2-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.99	4.16 ng/ul	139453	Phenanthrene-d10	17.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 2-methyl-	192	C15H12	000613-12-7	97
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	97
3	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	97
4	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	96
5	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	95





Data Path : Z:\HPCHEM1\BNA_M\DATA\BM011416\
Data File : BM004008.D
Acq On : 14 Jan 2016 05:50
Operator : SJ/UM
Sample : H1098-12
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BC963

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM010116.M
Quant Title : SVOA CALIBRATION

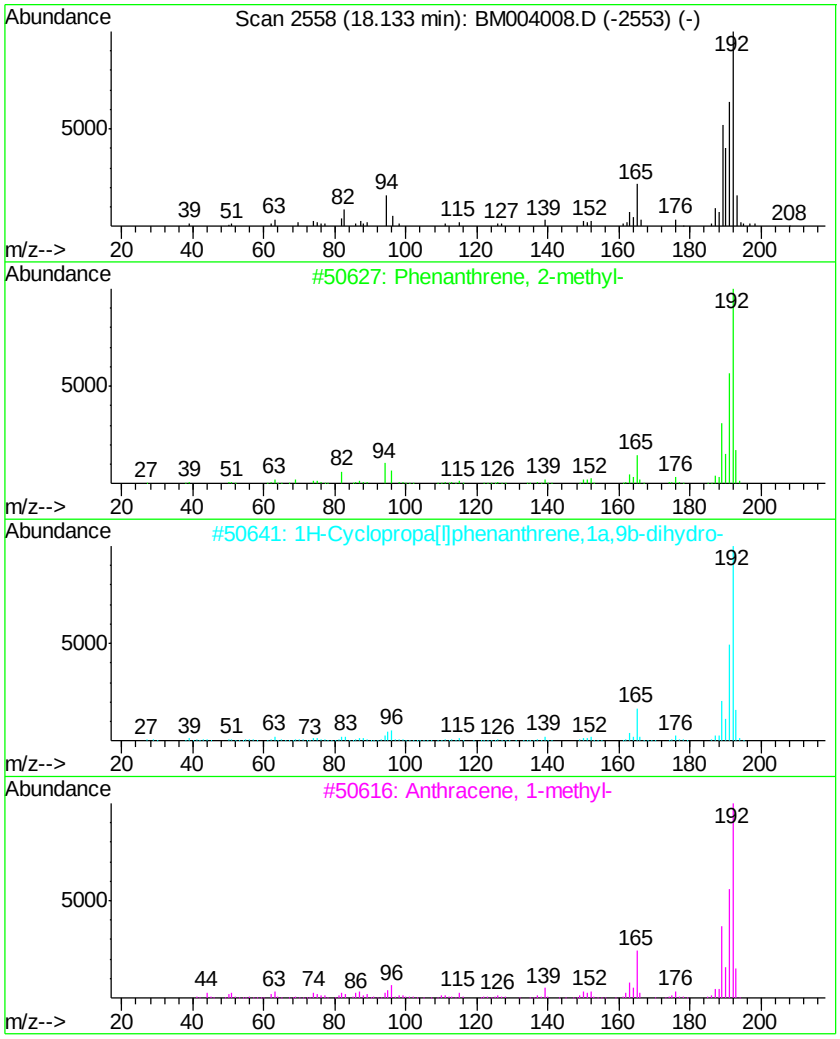
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

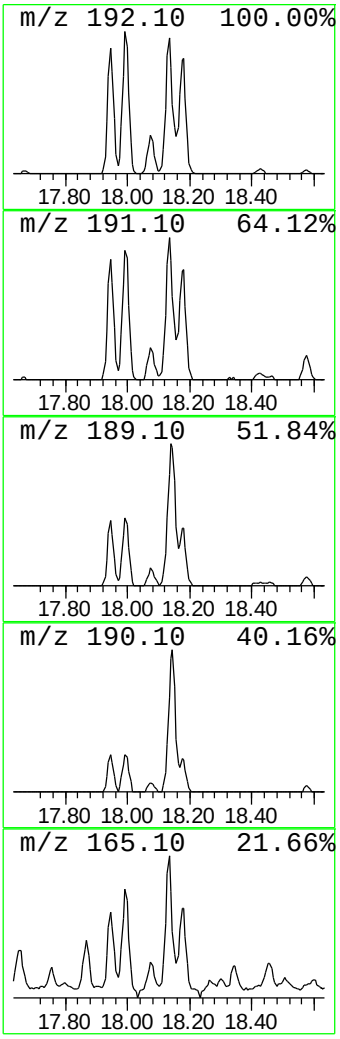
****

Peak Number 3 Phenanthrene, 2-methyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.13	6.47 ng/ul	216920	Phenanthrene-d10	17.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	92
2	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	91
3	Anthracene, 1-methyl-	192	C15H12	000610-48-0	91
4	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	90
5	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	83





Data Path : Z:\HPCHEM1\BNA_M\DATA\BM011416\
Data File : BM004008.D
Acq On : 14 Jan 2016 05:50
Operator : SJ/UM
Sample : H1098-12
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BC963

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM010116.M
Quant Title : SVOA CALIBRATION

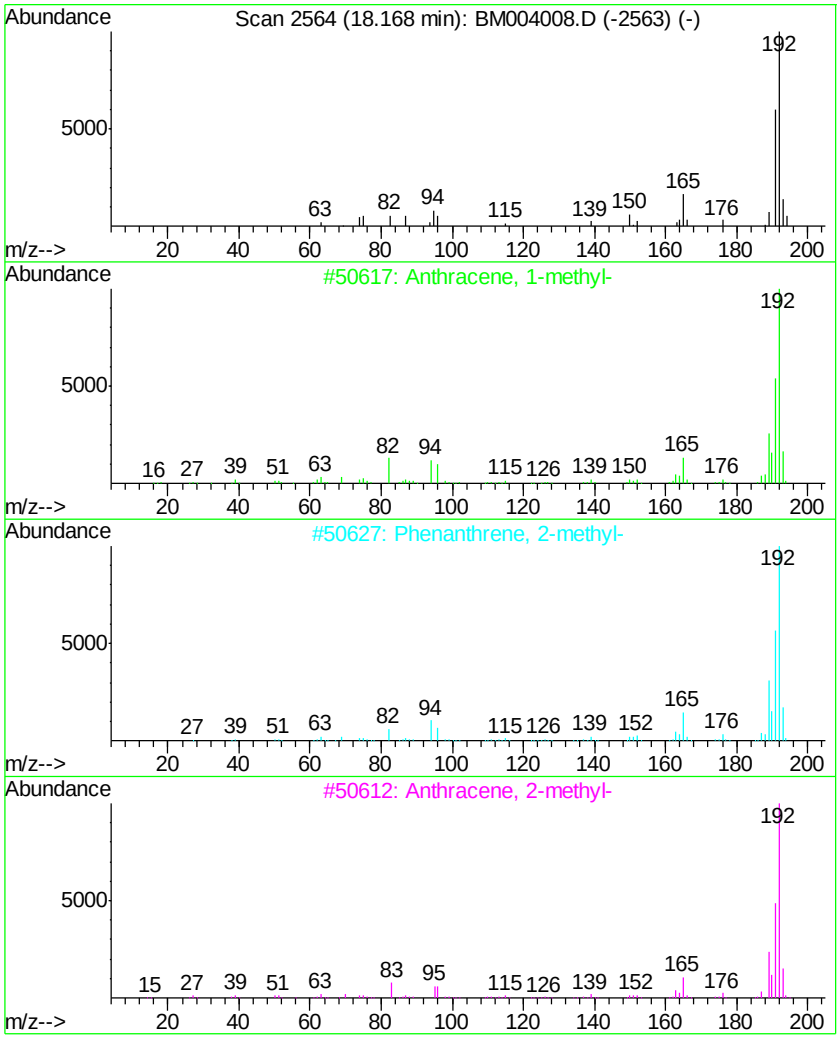
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

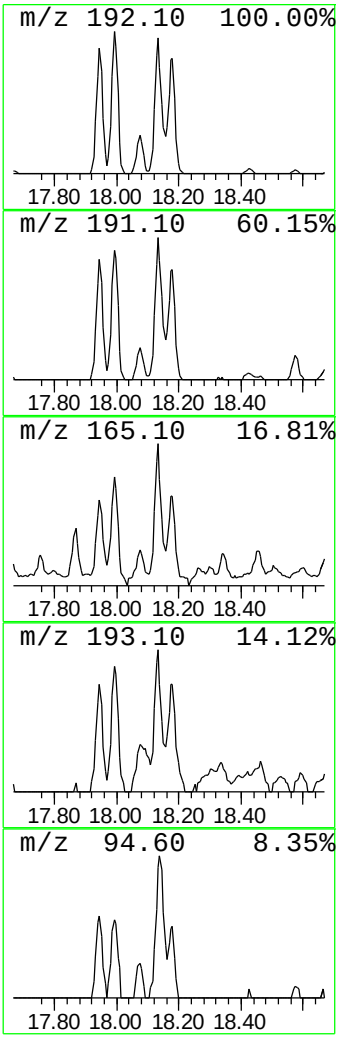
****

Peak Number 4 Anthracene, 1-methyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.17	3.18 ng/ul	106629	Phenanthrene-d10	17.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 1-methyl-	192	C15H12	000610-48-0	91
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	90
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	81
4	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	81
5	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	81





Data Path : Z:\HPCHEM1\BNA_M\DATA\BM011416\
Data File : BM004008.D
Acq On : 14 Jan 2016 05:50
Operator : SJ/UM
Sample : H1098-12
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BC963

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM010116.M
Quant Title : SVOA CALIBRATION

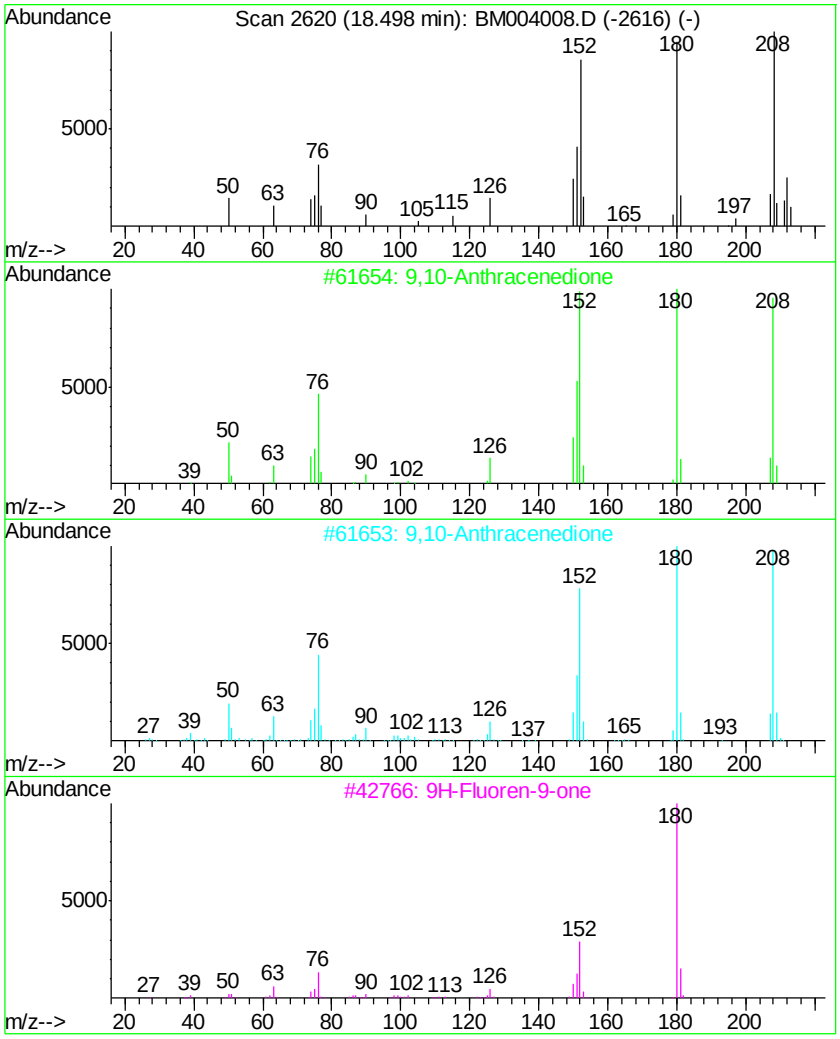
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

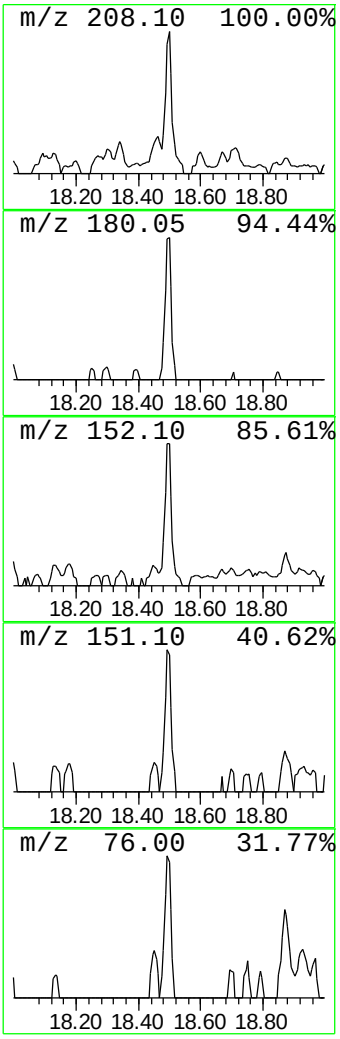
****

Peak Number 5 9,10-Anthracenedione Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.50	2.04 ng/ul	68249	Phenanthrene-d10	17.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Anthracenedione	208	C14H8O2	000084-65-1	98
2	9,10-Anthracenedione	208	C14H8O2	000084-65-1	96
3	9H-Fluoren-9-one	180	C13H8O	000486-25-9	64
4	9H-Fluoren-9-one	180	C13H8O	000486-25-9	64
5	9H-Fluoren-9-one	180	C13H8O	000486-25-9	64





Data Path : Z:\HPCHEM1\BNA_M\DATA\BM011416\
Data File : BM004008.D
Acq On : 14 Jan 2016 05:50
Operator : SJ/UM
Sample : H1098-12
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BC963

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM010116.M
Quant Title : SVOA CALIBRATION

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

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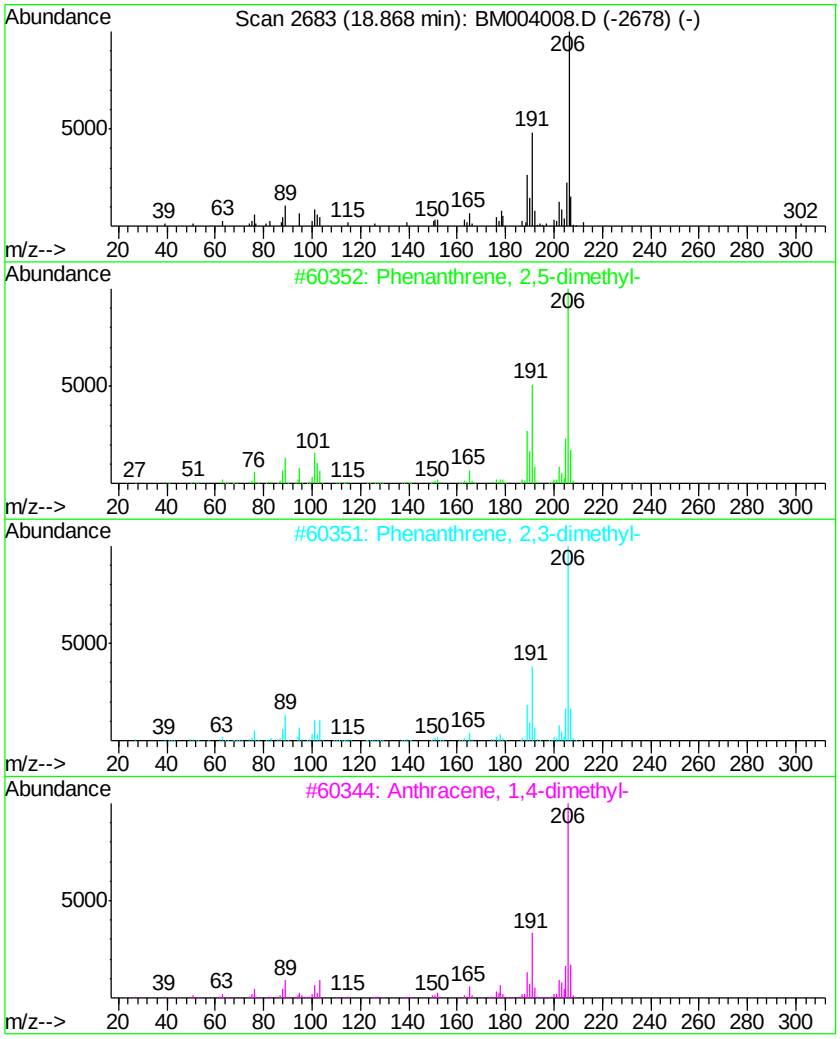
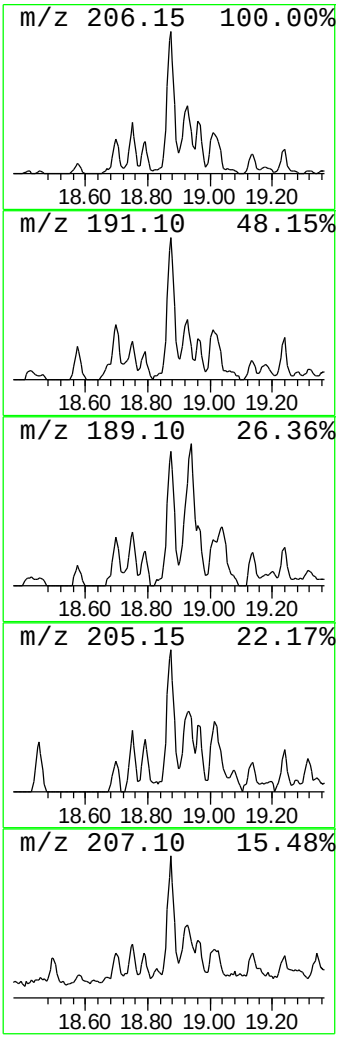
Peak Number 6 Phenanthrene, 2,5-dimethyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.87	5.44 ng/ul	182397	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	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	94
3	Anthracene, 1,4-dimethyl-	206	C16H14	000781-92-0	91
4	9,10-Dimethylanthracene	206	C16H14	000781-43-1	91
5	9,10-Dimethylanthracene	206	C16H14	000781-43-1	89





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Data File : BM004008.D
Acq On : 14 Jan 2016 05:50
Operator : SJ/UM
Sample : H1098-12
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BC963

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM010116.M
Quant Title : SVOA CALIBRATION

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

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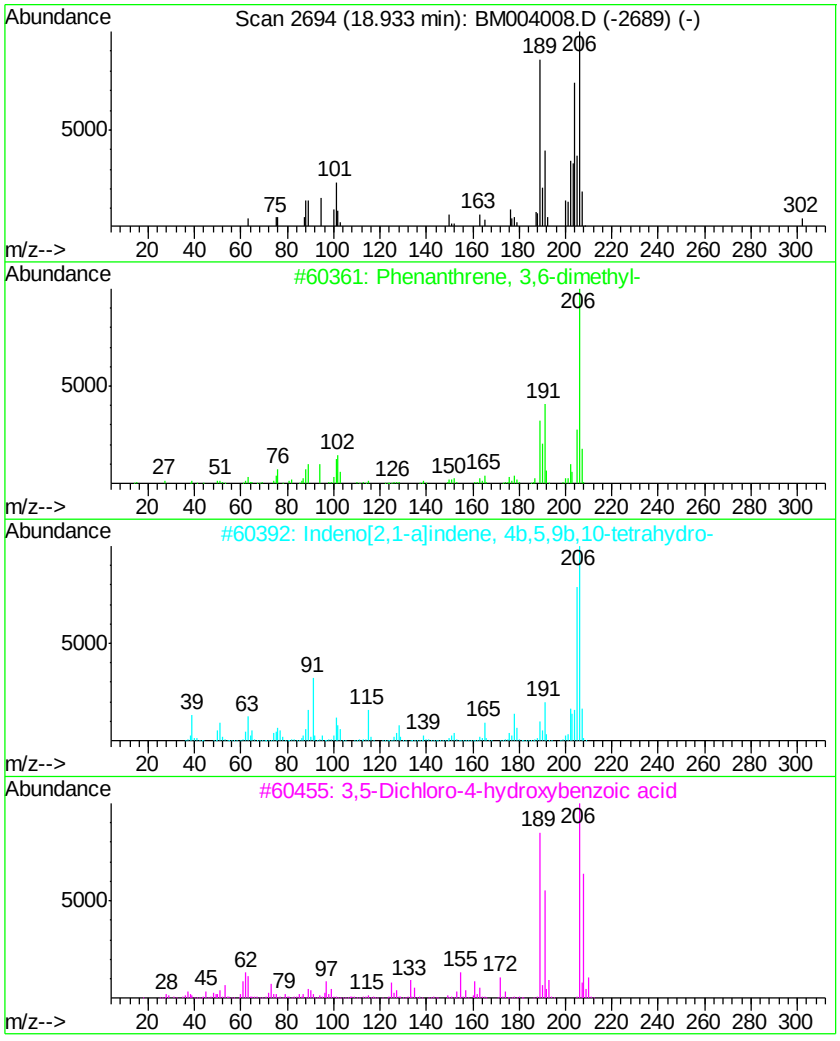
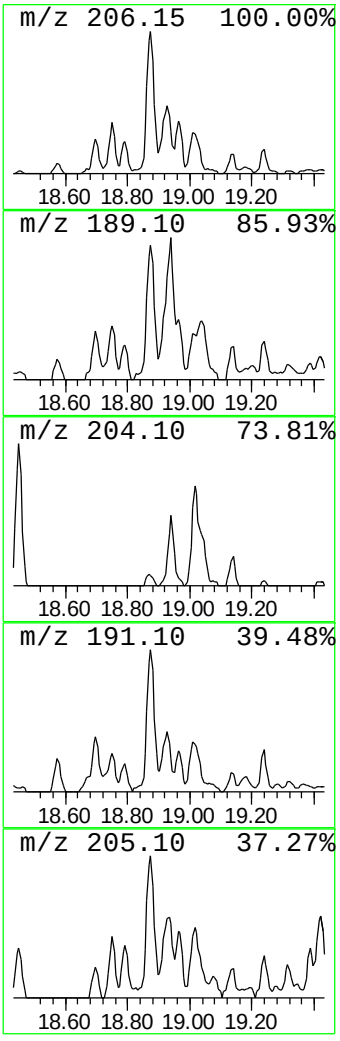
Peak Number 7 Phenanthrene, 3,6-dimethyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.93	2.86 ng/ul	96062	Phenanthrene-d10	17.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	50
2	Indeno[2,1-a]indene, 4b,5,9b,10-...	206	C16H14	005695-17-0	43
3	3,5-Dichloro-4-hydroxybenzoic acid	206	C7H4Cl2O3	003336-41-2	43
4	9,10-Dimethylanthracene	206	C16H14	000781-43-1	38
5	1,3-Butadiene, 1,4-diphenyl-, (E...	206	C16H14	000538-81-8	38





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Sample : H1098-12
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BC963

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM010116.M
Quant Title : SVOA CALIBRATION

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

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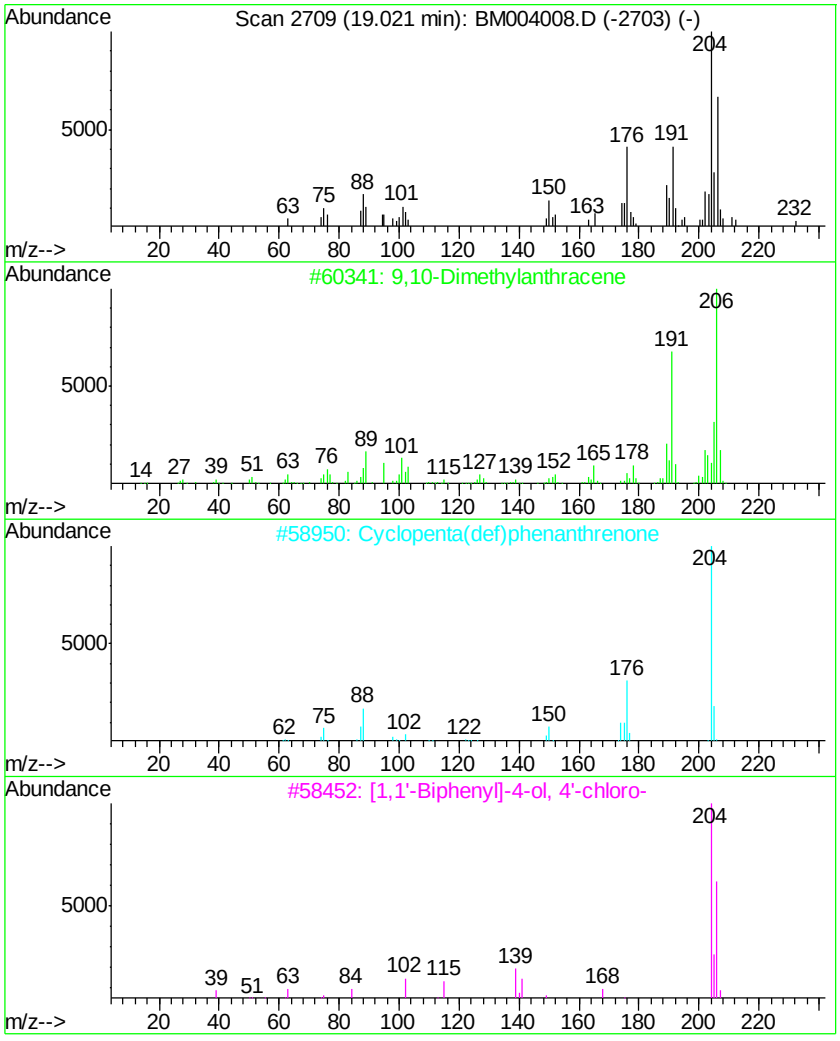
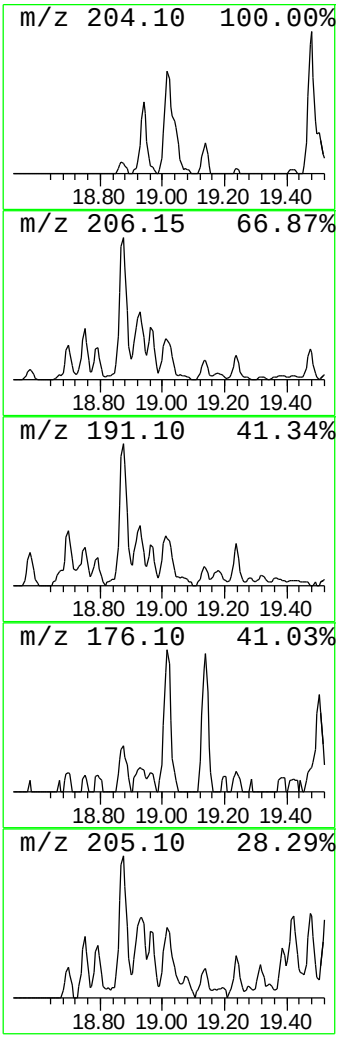
Peak Number 8 9,10-Dimethylanthracene Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.02	4.11 ng/ul	137809	Phenanthrene-d10	17.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Dimethylanthracene	206	C16H14	000781-43-1	80
2	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	55
3	[1,1'-Biphenyl]-4-ol, 4'-chloro-	204	C12H9ClO	028034-99-3	43
4	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	41
5	[14]Annulene, 1,6:8,13-bis(metha...	206	C16H14	085385-68-8	38





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Sample : H1098-12
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Instrument : BNA_M
ClientSampleId : BC963

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM010116.M
Quant Title : SVOA CALIBRATION

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

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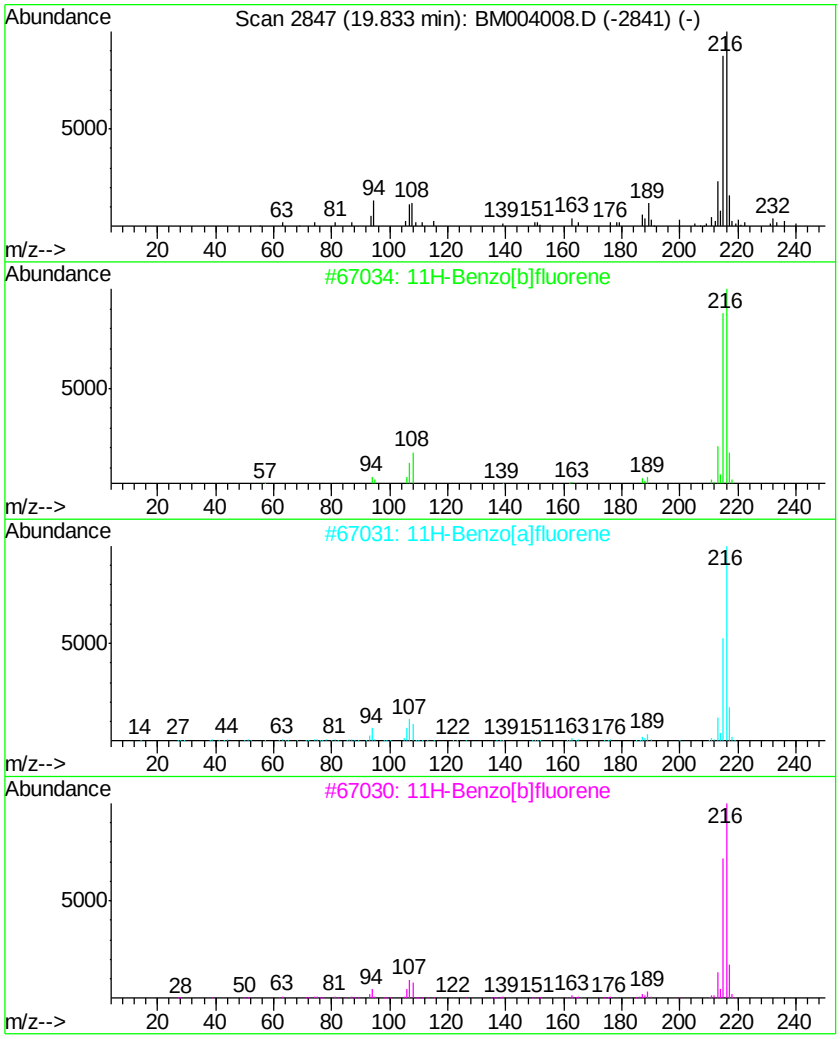
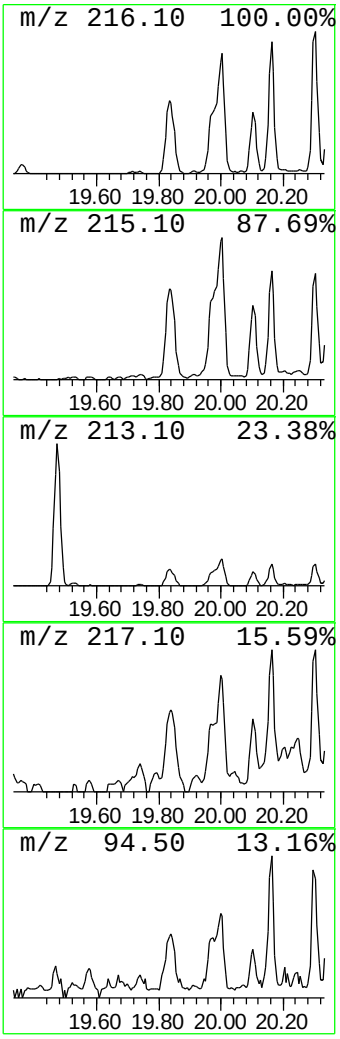
Peak Number 9 11H-Benzo[b]fluorene Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.83	3.08 ng/ul	175990	Chrysene-d12	21.27

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	93
2	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	93
3	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	93
4	Pyrene, 1-methyl-	216	C17H12	002381-21-7	90
5	Pyrene, 1-methyl-	216	C17H12	002381-21-7	87





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Acq On : 14 Jan 2016 05:50
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Sample : H1098-12
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BC963

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM010116.M
Quant Title : SVOA CALIBRATION

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

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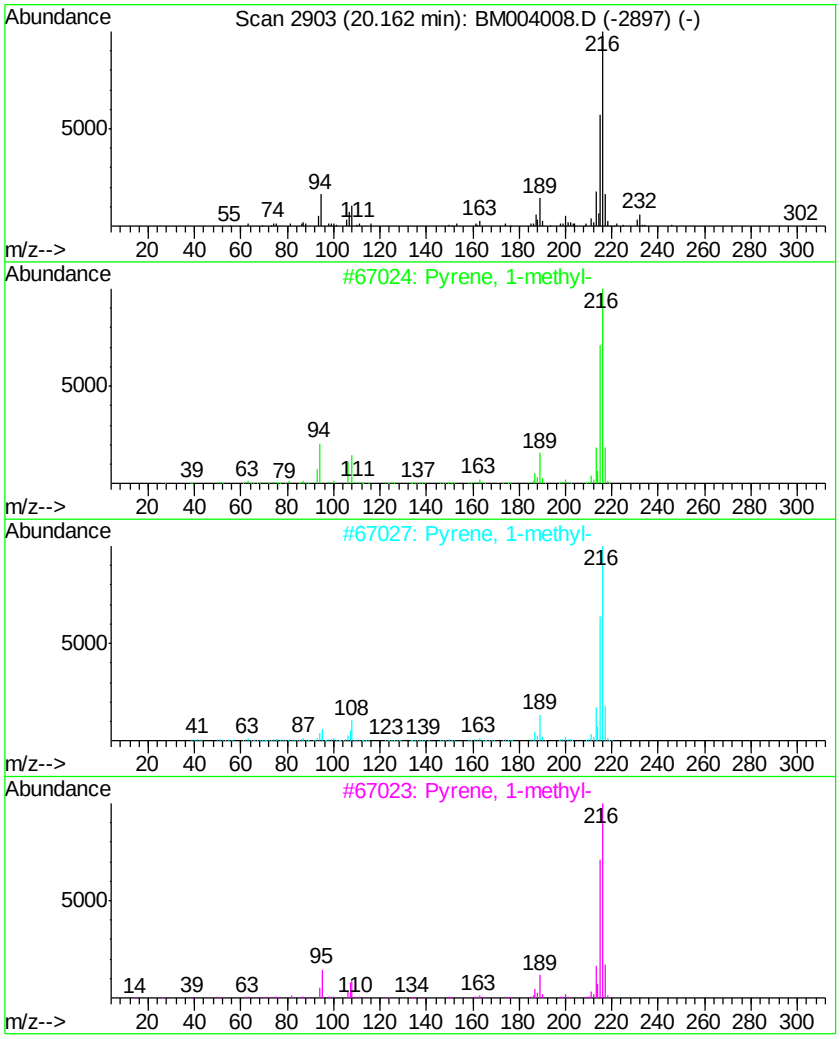
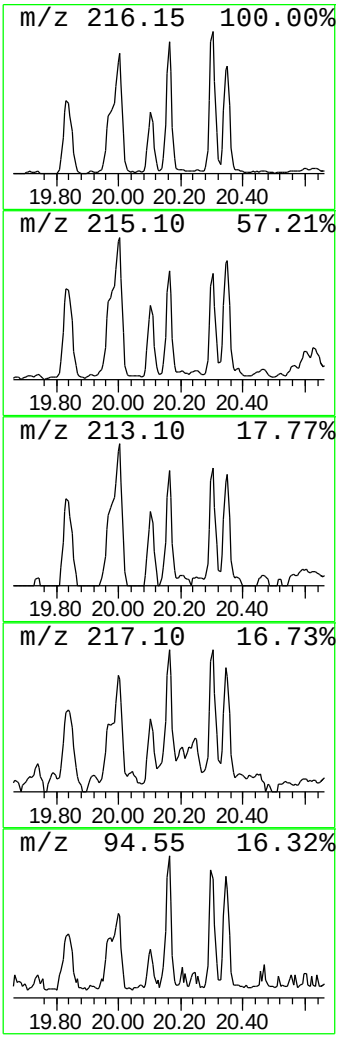
Peak Number 11 Pyrene, 1-methyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.16	2.54 ng/ul	145403	Chrysene-d12	21.27

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	97
2	Pyrene, 1-methyl-	216	C17H12	002381-21-7	96
3	Pyrene, 1-methyl-	216	C17H12	002381-21-7	95
4	Pyrene, 2-methyl-	216	C17H12	003442-78-2	95
5	Pyrene, 4-methyl-	216	C17H12	003353-12-6	94





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Sample : H1098-12
Misc :
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Instrument : BNA_M
ClientSampleId : BC963

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM010116.M
Quant Title : SVOA CALIBRATION

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

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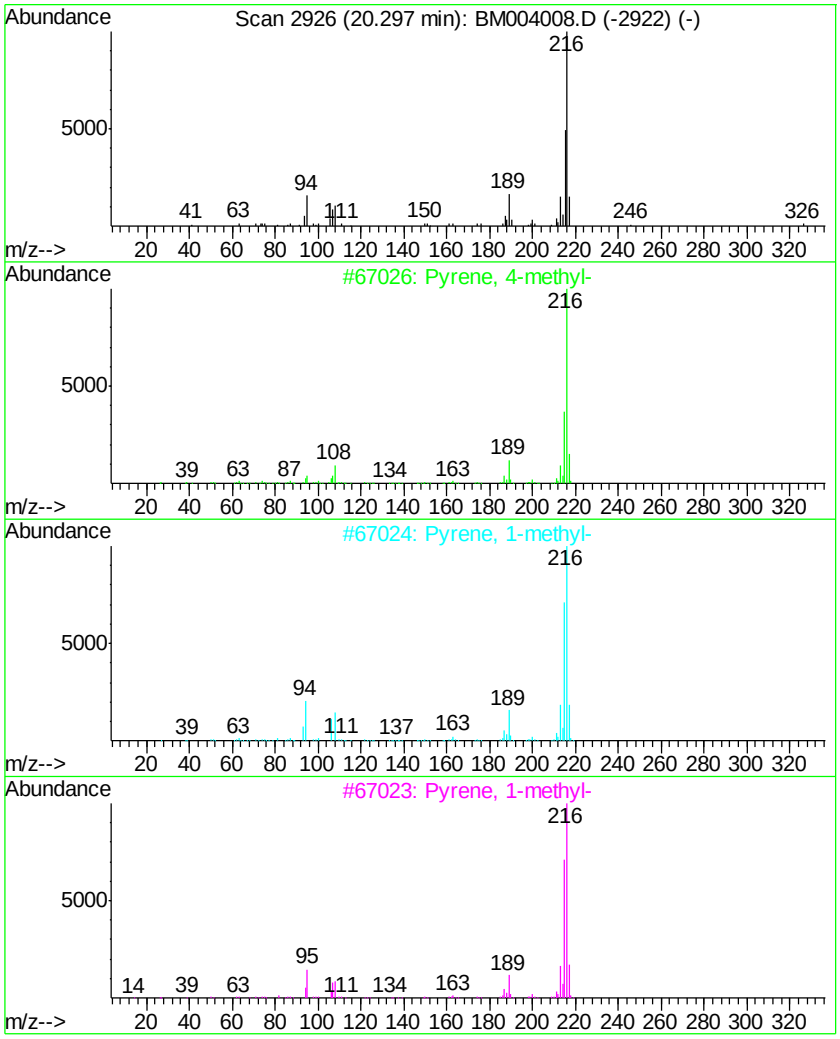
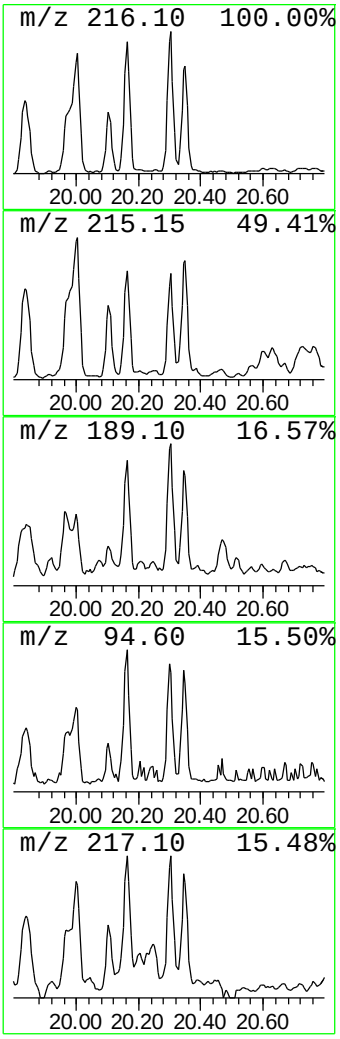
Peak Number 12 Pyrene, 4-methyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.30	2.35 ng/ul	134273	Chrysene-d12	21.27

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 4-methyl-	216	C17H12	003353-12-6	96
2	Pyrene, 1-methyl-	216	C17H12	002381-21-7	96
3	Pyrene, 1-methyl-	216	C17H12	002381-21-7	95
4	Pyrene, 1-methyl-	216	C17H12	002381-21-7	94
5	Pyrene, 2-methyl-	216	C17H12	003442-78-2	93





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Instrument : BNA_M
ClientSampleId : BC963

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Quant Title : SVOA CALIBRATION

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

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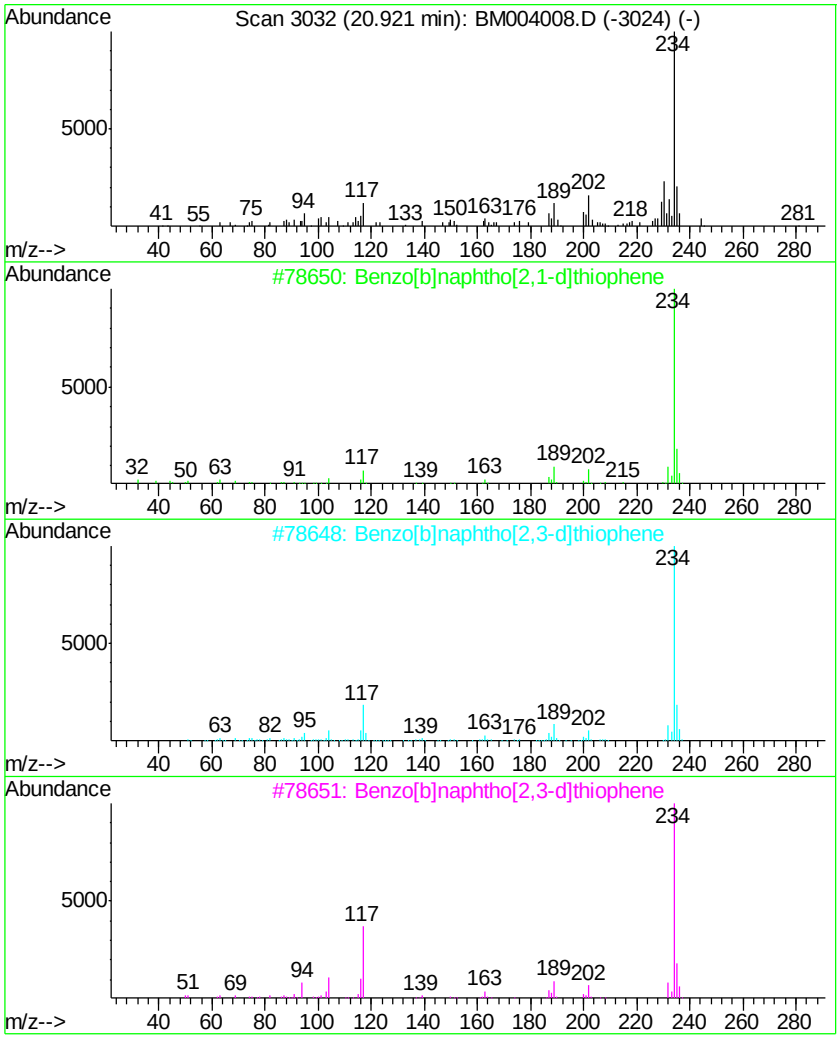
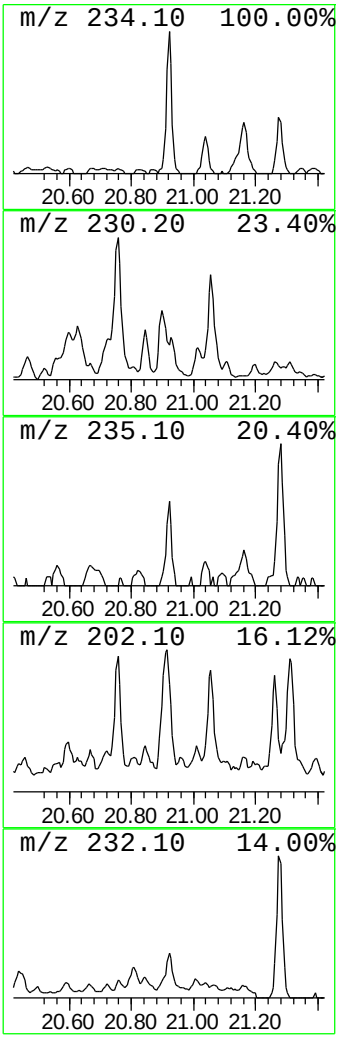
Peak Number 14 Benzo[b]naphtho[2,1-d]thiop... Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.92	2.41 ng/ul	137762	Chrysene-d12	21.27

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[b]naphtho[2,1-d]thiophene	234	C16H10S	000239-35-0	93
2	Benzo[b]naphtho[2,3-d]thiophene	234	C16H10S	000243-46-9	89
3	Benzo[b]naphtho[2,3-d]thiophene	234	C16H10S	000243-46-9	81
4	Benzo[b]naphtho[2,1-d]thiophene	234	C16H10S	000239-35-0	76
5	Benzo[b]naphtho[2,1-d]thiophene	234	C16H10S	000239-35-0	76





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Misc :
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Instrument : BNA_M
ClientSampleId : BC963

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM010116.M
Quant Title : SVOA CALIBRATION

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

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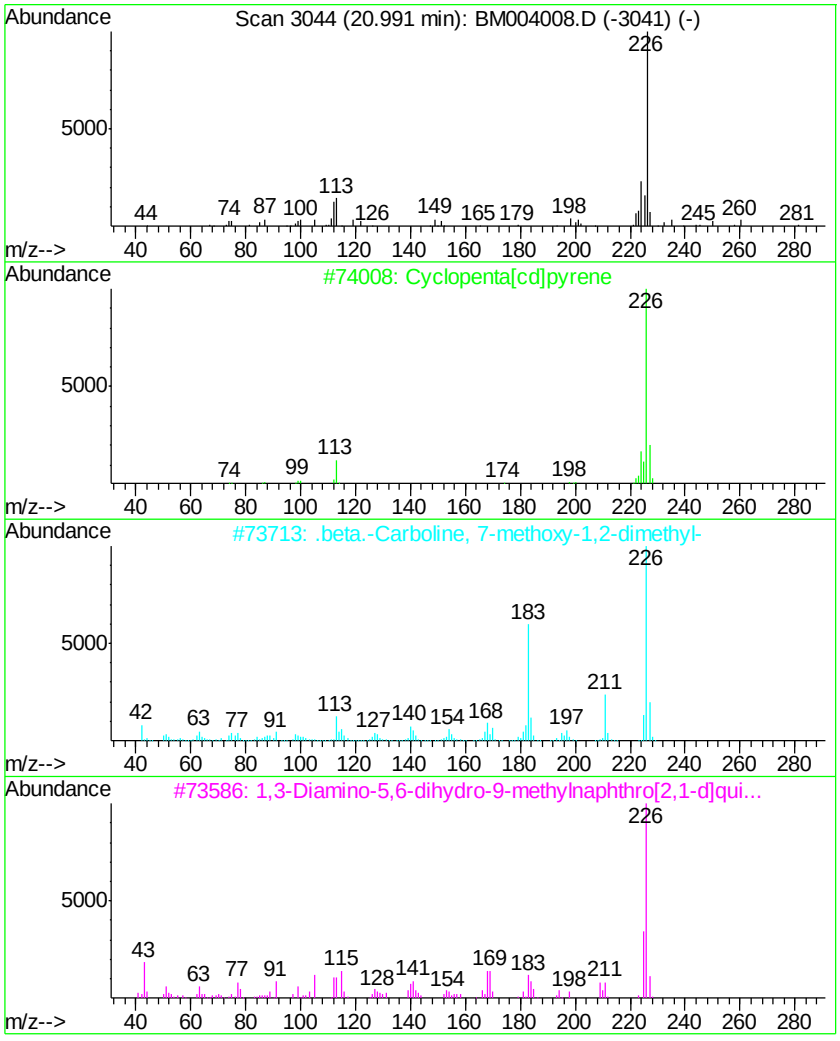
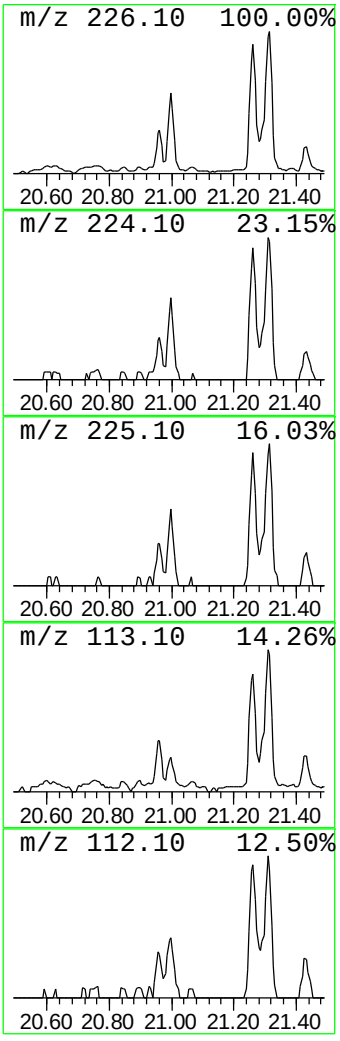
Peak Number 15 Cyclopenta[cd]pyrene Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.99	2.06 ng/ul	117940	Chrysene-d12	21.27

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta[cd]pyrene	226	C18H10	027208-37-3	68
2	.beta.-Carboline, 7-methoxy-1,2-...	226	C14H14N2O	006519-18-2	36
3	1,3-Diamino-5,6-dihydro-9-methyl...	226	C13H14N4	037436-39-8	36
4	Benzo[ghi]fluoranthene	226	C18H10	000203-12-3	23
5	Anthracene, 1,8-diethynyl-	226	C18H10	078053-58-4	22





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Sample : H1098-12
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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

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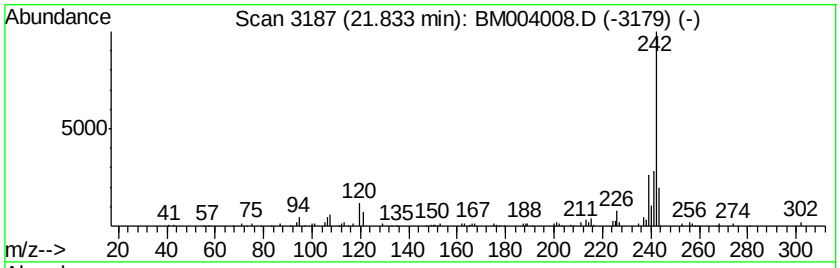
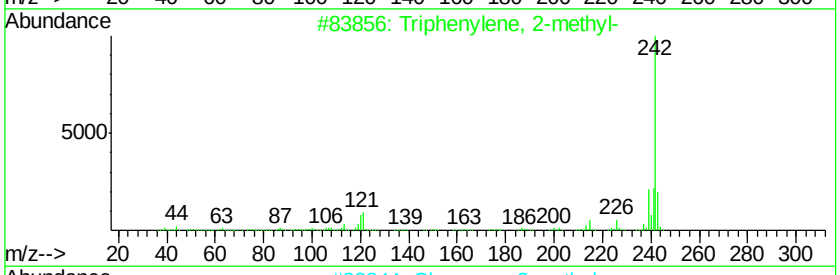
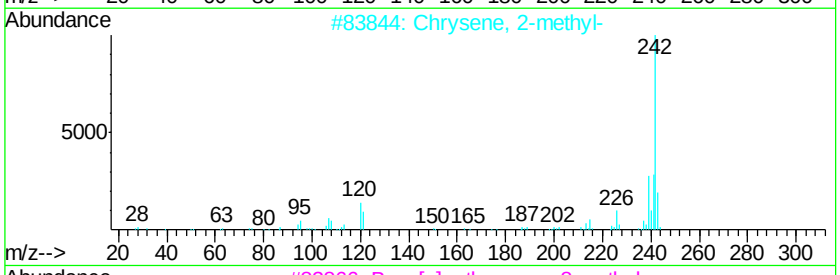
Peak Number 16 Triphenylene, 2-methyl- Concentration Rank 7

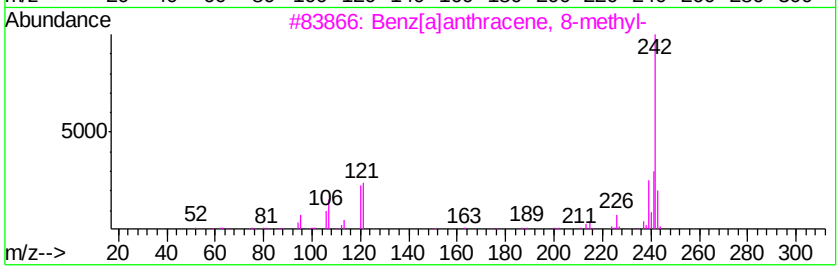
R.T.	EstConc	Area	Relative to ISTD	R.T.
21.83	3.37 ng/ul	192726	Chrysene-d12	21.27

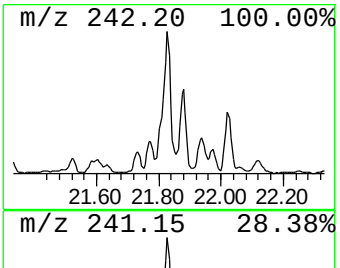
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Triphenylene, 2-methyl-	242	C19H14	001705-84-6	96
2	Chrysene, 2-methyl-	242	C19H14	003351-32-4	93
3	Benz[a]anthracene, 8-methyl-	242	C19H14	002381-31-9	92
4	Chrysene, 1-methyl-	242	C19H14	003351-28-8	91
5	Benz[a]anthracene, 12-methyl-	242	C19H14	002422-79-9	91

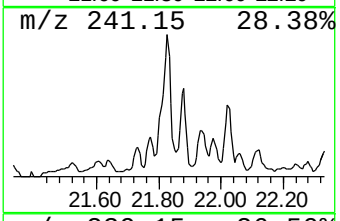


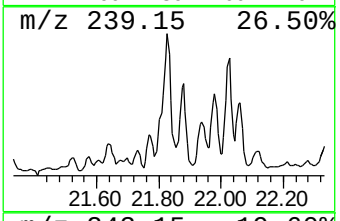


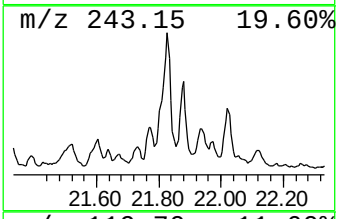


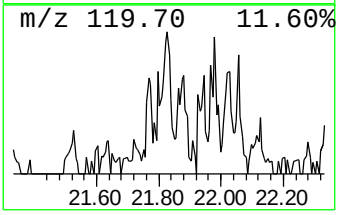












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Sample : H1098-12
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BC963

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Quant Title : SVOA CALIBRATION

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

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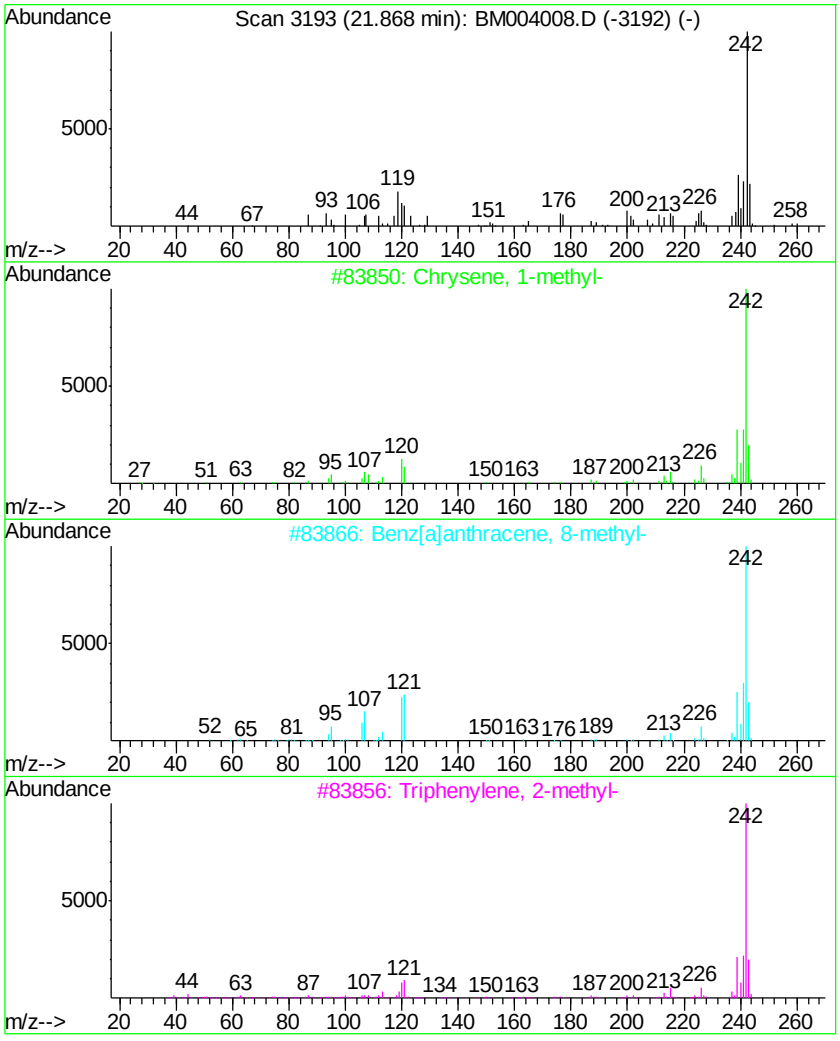
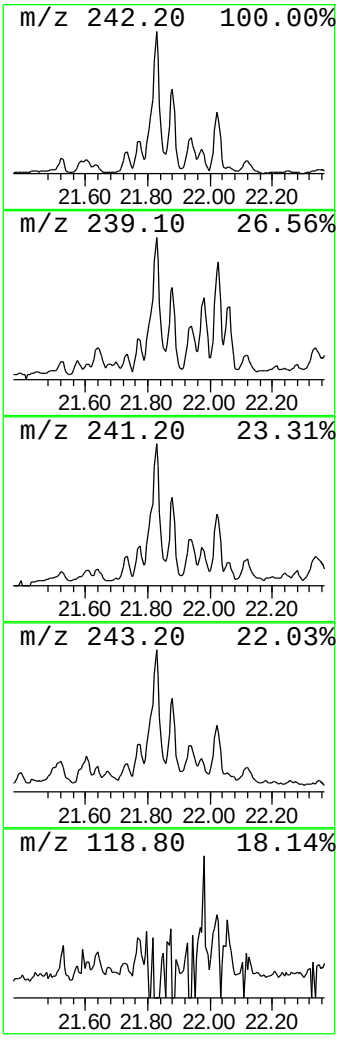
Peak Number 17 Chrysene, 1-methyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.87	2.08 ng/ul	118988	Chrysene-d12	21.27

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Chrysene, 1-methyl-	242	C19H14	003351-28-8	96
2	Benz[a]anthracene, 8-methyl-	242	C19H14	002381-31-9	95
3	Triphenylene, 2-methyl-	242	C19H14	001705-84-6	94
4	Chrysene, 2-methyl-	242	C19H14	003351-32-4	94
5	Chrysene, 1-methyl-	242	C19H14	003351-28-8	93





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Sample : H1098-12
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BC963

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Quant Title : SVOA CALIBRATION

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

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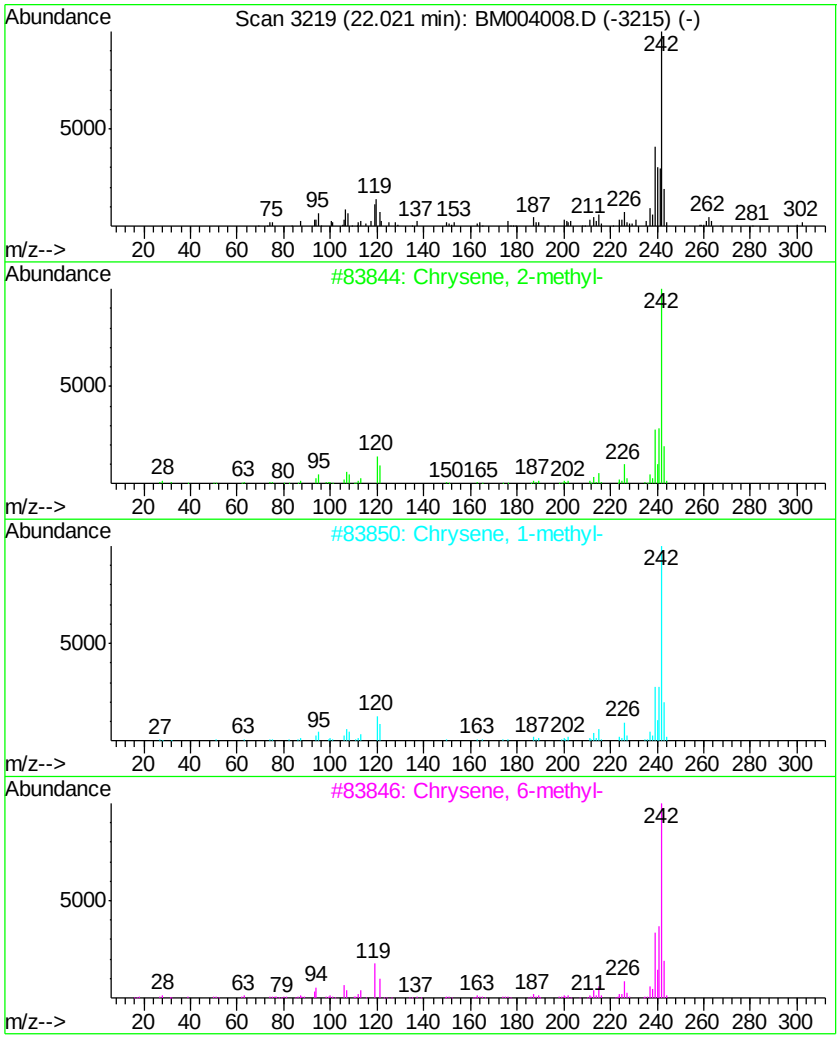
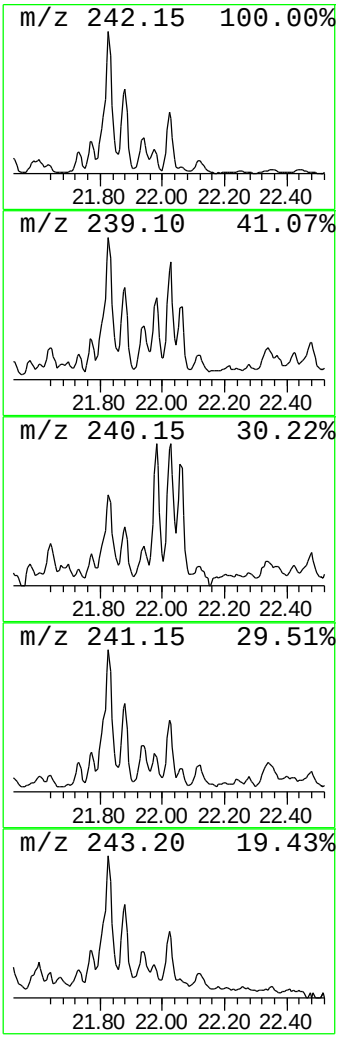
Peak Number 18 Chrysene, 2-methyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.02	2.09 ng/ul	119833	Chrysene-d12	21.27

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Chrysene, 2-methyl-	242	C19H14	003351-32-4	90
2	Chrysene, 1-methyl-	242	C19H14	003351-28-8	90
3	Chrysene, 6-methyl-	242	C19H14	001705-85-7	78
4	Benz[a]anthracene, 12-methyl-	242	C19H14	002422-79-9	55
5	Chrysene, 1-methyl-	242	C19H14	003351-28-8	53





Data Path : Z:\HPCHEM1\BNA_M\DATA\BM011416\
Data File : BM004008.D
Acq On : 14 Jan 2016 05:50
Operator : SJ/UM
Sample : H1098-12
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BC963

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM010116.M
Quant Title : SVOA CALIBRATION

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

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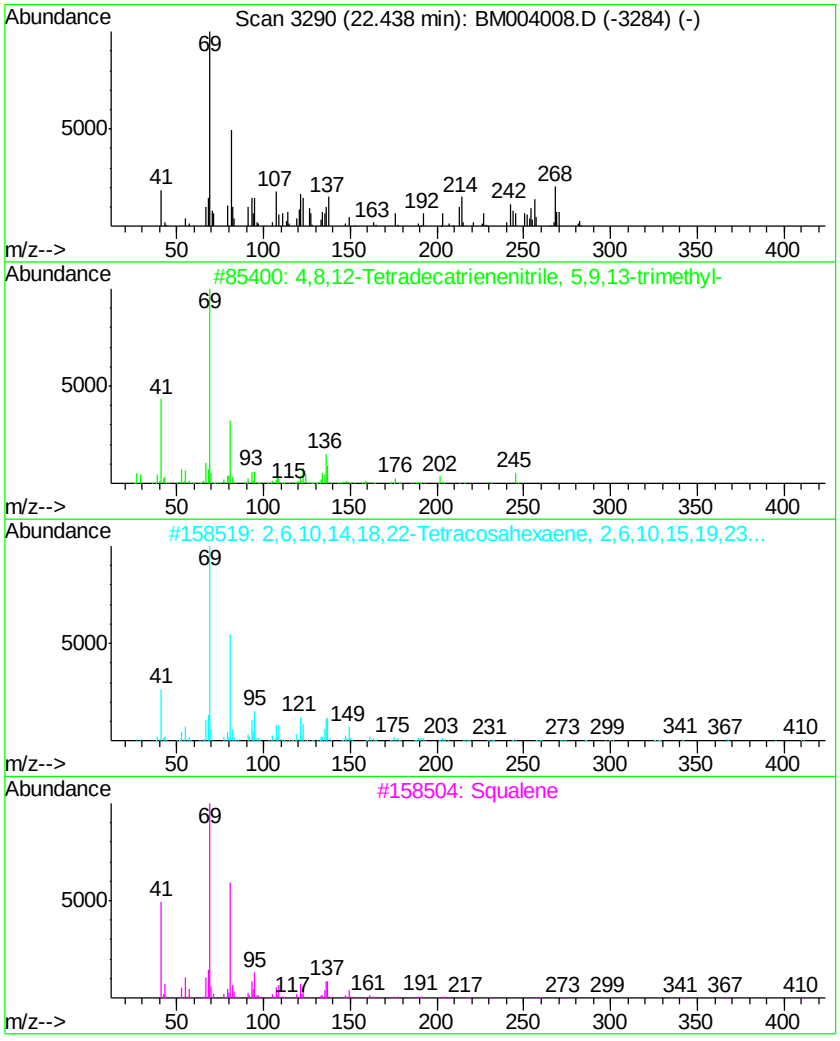
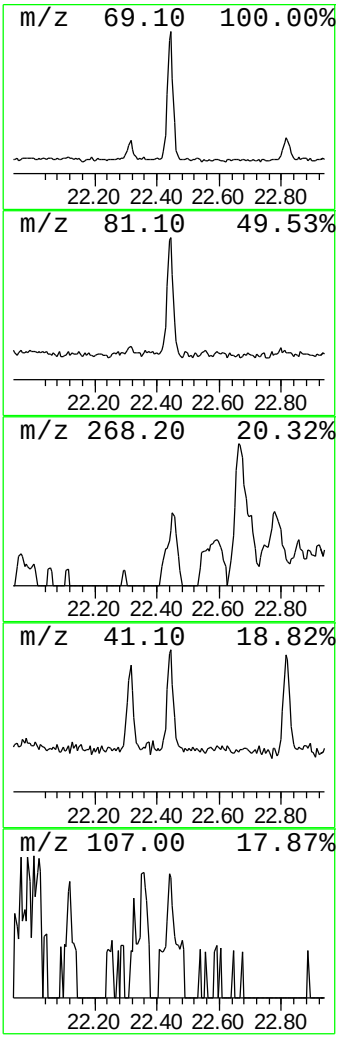
Peak Number 19 unknown-01 Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.44	2.25 ng/ul	66362	Perylene-d12	23.51

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4,8,12-Tetradecatrienenitrile, 5...	245	C17H27N	005981-31-7	43
2	2,6,10,14,18,22-Tetracosahexaene...	410	C30H50	000111-02-4	41
3	Squalene	410	C30H50	007683-64-9	38
4	Squalene	410	C30H50	007683-64-9	35
5	2,6,10,14,18,22-Tetracosahexaene...	410	C30H50	000111-02-4	35





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM011416\
Data File : BM004008.D
Acq On : 14 Jan 2016 05:50
Operator : SJ/UM
Sample : H1098-12
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BC963

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM010116.M
Quant Title : SVOA CALIBRATION

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

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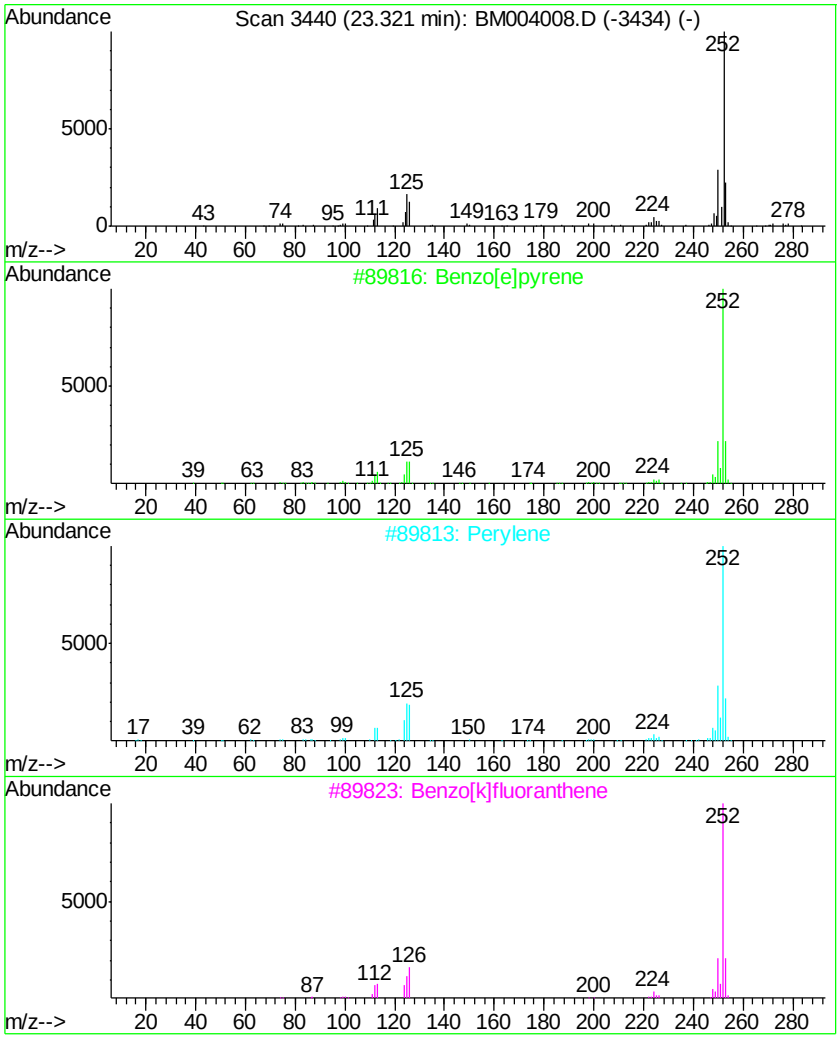
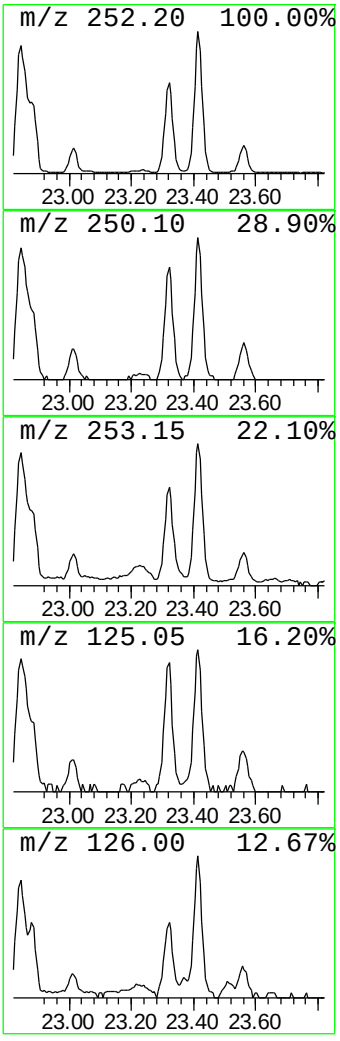
Peak Number 20 Benzo[e]pyrene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
23.32	5.17 ng/ul	152772	Perylene-d12	23.51

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	98
2	Perylene	252	C20H12	000198-55-0	98
3	Benzo[k]fluoranthene	252	C20H12	000207-08-9	98
4	Perylene	252	C20H12	000198-55-0	95
5	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	94





Data Path : Z:\HPCHEM1\BNA_M\DATA\BM011416\
Data File : BM004008.D
Acq On : 14 Jan 2016 05:50
Operator : SJ/UM
Sample : H1098-12
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BC963

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM010116.M
Quant Title : SVOA CALIBRATION

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

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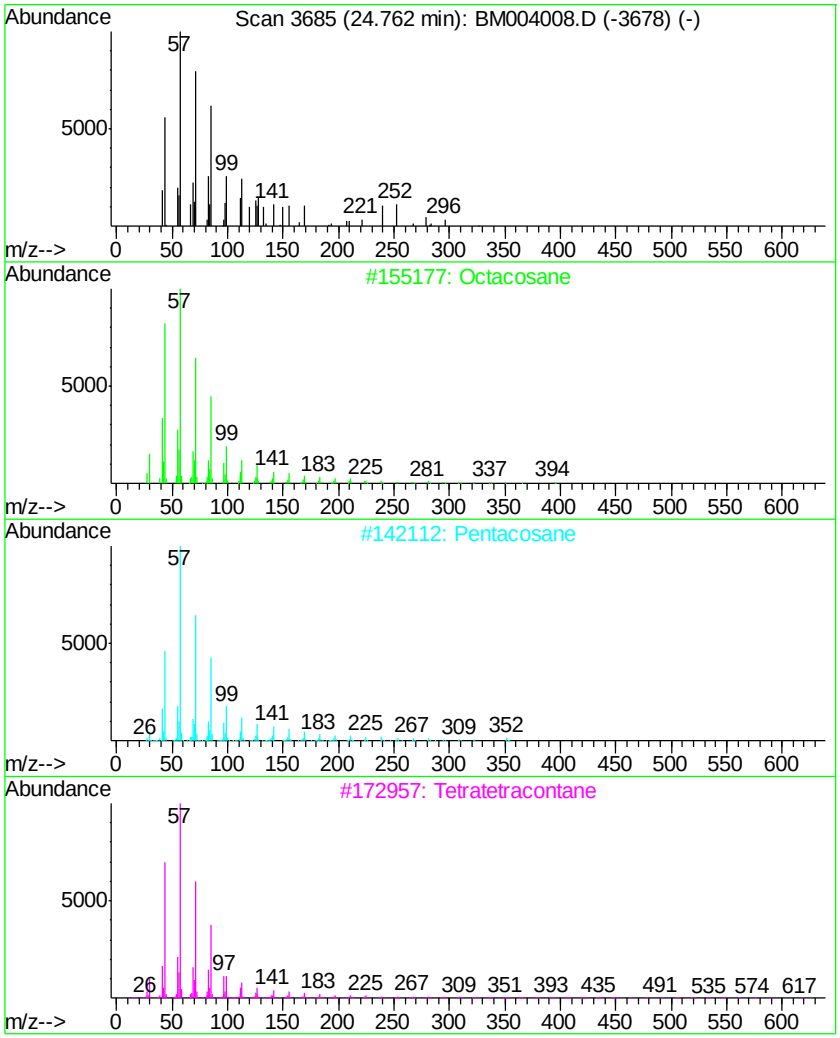
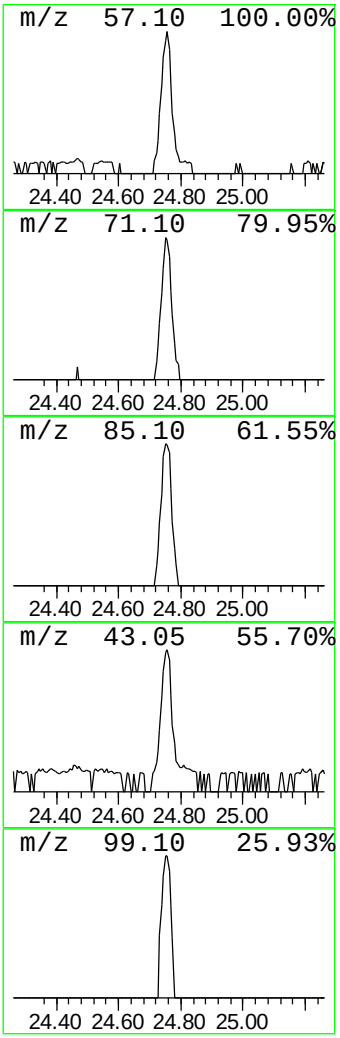
Peak Number 21 (DEL) Alkane: Straight-Chai... Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
24.76	2.02 ng/ul	59555	Perylene-d12	23.51

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octacosane	394	C28H58	000630-02-4	83
2	Pentacosane	352	C25H52	000629-99-2	80
3	Tetratetracontane	619	C44H90	007098-22-8	80
4	Hentriacontane	437	C31H64	000630-04-6	80
5	Nonadecane, 2-methyl-	282	C20H42	001560-86-7	64





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM011416\
Data File : BM004008.D
Acq On : 14 Jan 2016 05:50
Operator : SJ/UM
Sample : H1098-12
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BC963

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM010116.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
1H-Cyclopropa[l]p...	17.94	3.4	ng/ul	115401	4	17.07	670706	20.0
Anthracene, 2-met...	17.99	4.2	ng/ul	139453	4	17.07	670706	20.0
Phenanthrene, 2-m...	18.13	6.5	ng/ul	216920	4	17.07	670706	20.0
Anthracene, 1-met...	18.17	3.2	ng/ul	106629	4	17.07	670706	20.0
9,10-Anthracenedione	18.50	2.0	ng/ul	68249	4	17.07	670706	20.0
Phenanthrene, 2,5...	18.87	5.4	ng/ul	182397	4	17.07	670706	20.0
Phenanthrene, 3,6...	18.93	2.9	ng/ul	96062	4	17.07	670706	20.0
9,10-Dimethylanth...	19.02	4.1	ng/ul	137809	4	17.07	670706	20.0
11H-Benzo[b]fluorene	19.83	3.1	ng/ul	175990	5	21.27	1144220	20.0
Pyrene, 1-methyl-	20.16	2.5	ng/ul	145403	5	21.27	1144220	20.0
Pyrene, 4-methyl-	20.30	2.4	ng/ul	134273	5	21.27	1144220	20.0
Benzo[b]naphtho[2...	20.92	2.4	ng/ul	137762	5	21.27	1144220	20.0
Cyclopenta[cd]pyrene	20.99	2.1	ng/ul	117940	5	21.27	1144220	20.0
Triphenylene, 2-m...	21.83	3.4	ng/ul	192726	5	21.27	1144220	20.0
Chrysene, 1-methyl-	21.87	2.1	ng/ul	118988	5	21.27	1144220	20.0
Chrysene, 2-methyl-	22.02	2.1	ng/ul	119833	5	21.27	1144220	20.0
unknown-01	22.44	2.3	ng/ul	66362	6	23.51	590981	20.0
Benzo[e]pyrene	23.32	5.2	ng/ul	152772	6	23.51	590981	20.0
(DEL) Alkane: Str...	24.76	2.0	ng/ul	59555	6	23.51	590981	20.0