LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM011416\
Data File : BM004003.D
Acq On : 14 Jan 2016 02:52
Operator : SJ/UM
Sample : H1098-07
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BC9D3

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	633	638	648	rBB	99513	158250	12.00%	0.803%
2	6.998	660	665	674	rBB	85255	129165	9.80%	0.655%
3	7.198	693	699	707	rVB	110191	166344	12.62%	0.844%
4	7.663	772	778	786	rBB	183237	279825	21.22%	1.419%
5	8.375	894	899	907	rBV	115679	180102	13.66%	0.914%
6	8.822	969	975	984	rBB	104042	162637	12.34%	0.825%
7	9.539	1092	1097	1107	rBB	84092	133474	10.12%	0.677%
8	10.080	1183	1189	1200	rBB	135894	221207	16.78%	1.122%
9	10.451	1245	1252	1258	rBV	281216	461587	35.01%	2.341%
10	10.592	1270	1276	1294	rBB	105846	177100	13.43%	0.898%
11	13.727	1804	1809	1813	rVV	276919	375389	28.47%	1.904%
12	13.774	1813	1817	1824	rVB	175366	237553	18.02%	1.205%
13	14.010	1851	1857	1871	rBB	320410	482567	36.60%	2.448%
14	14.321	1903	1910	1917	rBV2	429086	633699	48.07%	3.214%
15	14.539	1942	1947	1958	rBV	77431	121134	9.19%	0.614%
16	15.174	2051	2055	2062	rVB2	28910	36597	2.78%	0.186%
17	15.315	2073	2079	2085	rVV	433101	596652	45.26%	3.027%
18	15.451	2097	2102	2107	rBV	81151	109732	8.32%	0.557%
19	16.039	2196	2202	2218	rBV2	38421	83978	6.37%	0.426%
20	16.374	2250	2259	2264	rVV4	17456	37277	2.83%	0.189%
21	16.827	2325	2336	2340	rVV3	27280	48850	3.71%	0.248%
22	16.886	2342	2346	2355	rVB2	25367	43391	3.29%	0.220%
23	17.068	2371	2377	2381	rBV	512732	745819	56.57%	3.783%
24	17.109	2381	2384	2389	rVV	358522	490258	37.19%	2.487%
25	17.168	2389	2394	2398	rVV	460667	662966	50.29%	3.363%
26	17.203	2398	2400	2405	rVB	86282	94073	7.14%	0.477%
27	17.480	2443	2447	2451	rBV	23444	36061	2.74%	0.183%
28	17.651	2469	2476	2485	rVB	29275	48324	3.67%	0.245%
29	17.945	2521	2526	2530	rBV	109005	152260	11.55%	0.772%
30	17.992	2530	2534	2540	rVB	144012	200345	15.20%	1.016%
31	18.074	2543	2548	2553	rBV	35096	53607	4.07%	0.272%
32	18.139	2553	2559	2563	rBV2	135754	242698	18.41%	1.231%
33	18.180	2563	2566	2575	rVB	77008	105897	8.03%	0.537%
34	18.450	2607	2612	2615	rBV2	59604	81534	6.18%	0.414%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM011416\
Data File : BM004003.D
Acq On : 14 Jan 2016 02:52
Operator : SJ/UM
Sample : H1098-07
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BC9D3

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	18.492	2615	2619	2629	rVB2	57626	99062	7.51%	0.503%
36	18.698	2650	2654	2658	rVV	35338	43709	3.32%	0.222%
37	18.750	2658	2663	2666	rVV	51233	63733	4.83%	0.323%
38	18.786	2666	2669	2674	rVB2	41195	53153	4.03%	0.270%
39	18.874	2674	2684	2688	rBV	124587	211464	16.04%	1.073%
40	18.933	2688	2694	2697	rVV3	54226	113421	8.60%	0.575%
41	18.962	2697	2699	2703	rVB	37667	40372	3.06%	0.205%
42	19.015	2703	2708	2714	rBV3	49286	104568	7.93%	0.530%
43	19.139	2723	2729	2735	rVB	703392	940267	71.32%	4.770%
44	19.203	2735	2740	2743	rBV	27387	38515	2.92%	0.195%
45	19.380	2766	2770	2774	rVV	32598	40050	3.04%	0.203%
46	19.474	2780	2786	2788	rBV3	614783	860943	65.30%	4.367%
47	19.503	2788	2791	2799	rVB	695694	955815	72.50%	4.848%
48	19.580	2799	2804	2809	rVB2	70493	103658	7.86%	0.526%
49	19.680	2809	2821	2828	rBV3	40444	118365	8.98%	0.600%
50	19.745	2828	2832	2837	rVB2	39585	62398	4.73%	0.317%
51	19.827	2837	2846	2858	rBV4	74111	208254	15.80%	1.056%
52	19.968	2865	2870	2871	rBV2	53613	73082	5.54%	0.371%
53	20.003	2872	2876	2884	rVB2	141657	209025	15.85%	1.060%
54	20.103	2889	2893	2897	rVV	101445	134781	10.22%	0.684%
55	20.162	2897	2903	2907	rVV2	113332	184776	14.02%	0.937%
56	20.203	2907	2910	2914	rVV3	28291	38383	2.91%	0.195%
57	20.297	2922	2926	2930	rVV	76240	99803	7.57%	0.506%
58	20.344	2930	2934	2938	rVV	71991	101040	7.66%	0.513%
59	20.386	2938	2941	2947	rVB2	24066	36049	2.73%	0.183%
60	20.597	2973	2977	2980	rVV2	27925	43791	3.32%	0.222%
61	20.715	2992	2997	3000	rBV4	28743	49320	3.74%	0.250%
62	20.756	3000	3004	3009	rVB	60076	94580	7.17%	0.480%
63	20.921	3024	3032	3035	rBV3	84333	158620	12.03%	0.805%
64	20.956	3035	3038	3041	rVV	72787	95440	7.24%	0.484%
65	20.997	3041	3045	3049	rVV2	60530	120240	9.12%	0.610%
66	21.050	3049	3054	3061	rVB2	47608	90937	6.90%	0.461%
67	21.162	3065	3073	3080	rBV2	26373	72001	5.46%	0.365%
68	21.274	3081	3092	3096	rBV2	655023	1318396	100.00%	6.688%
69	21.309	3096	3098	3108	rVB	346379	420559	31.90%	2.133%
70	21.391	3108	3112	3115	rBV3	32396	41833	3.17%	0.212%
71	21.427	3115	3118	3123	rBV	58515	82831	6.28%	0.420%

LSC Area Percent Report

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Data File : BM004003.D
Acq On : 14 Jan 2016 02:52
Operator : SJ/UM
Sample : H1098-07
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BC9D3

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

72	21.591	3141	3146	3150	rBV3	37224	63268	4.80%	0.321%
73	21.768	3172	3176	3179	rVV2	30085	42421	3.22%	0.215%
74	21.821	3179	3185	3189	rVV	113240	206847	15.69%	1.049%
75	21.874	3191	3194	3200	rVV	76691	131868	10.00%	0.669%
76	21.939	3202	3205	3208	rVV2	39690	66192	5.02%	0.336%
77	21.974	3208	3211	3215	rVV4	41676	76944	5.84%	0.390%
78	22.021	3215	3219	3222	rVV	68194	111070	8.42%	0.563%
79	22.056	3222	3225	3231	rVV3	49912	73935	5.61%	0.375%
80	22.115	3231	3235	3241	rVV2	35980	59996	4.55%	0.304%
81	22.315	3263	3269	3272	rBV6	30235	63335	4.80%	0.321%
82	22.474	3293	3296	3302	rVB	28722	46621	3.54%	0.236%
83	22.591	3311	3316	3323	rBV5	24779	49222	3.73%	0.250%
84	22.838	3350	3358	3364	rBV	209712	534012	40.50%	2.709%
85	23.009	3382	3387	3394	rVB	42055	68066	5.16%	0.345%
86	23.138	3405	3409	3417	rBV6	16363	40218	3.05%	0.204%
87	23.221	3417	3423	3432	rVV9	13138	42738	3.24%	0.217%
88	23.315	3433	3439	3443	rVV	133818	261894	19.86%	1.328%
89	23.368	3443	3448	3452	rVV	304268	574470	43.57%	2.914%
90	23.409	3452	3455	3462	rVV	208583	363470	27.57%	1.844%
91	23.509	3464	3472	3477	rVV	324093	615248	46.67%	3.121%
92	23.556	3477	3480	3488	rVB2	57727	113575	8.61%	0.576%
93	24.009	3550	3557	3561	rBV3	21610	54960	4.17%	0.279%
94	25.615	3821	3830	3836	rBV6	13475	39350	2.98%	0.200%
95	25.750	3844	3853	3865	rVB	89005	266735	20.23%	1.353%
96	26.015	3892	3898	3905	rVB2	18274	42870	3.25%	0.217%
97	26.103	3906	3913	3921	rBV2	16059	48135	3.65%	0.244%
98	26.444	3961	3971	3990	rVB	71315	230223	17.46%	1.168%
99	26.632	3997	4003	4017	rVB	13501	52191	3.96%	0.265%
100	26.815	4025	4034	4046	rVB2	16936	60360	4.58%	0.306%

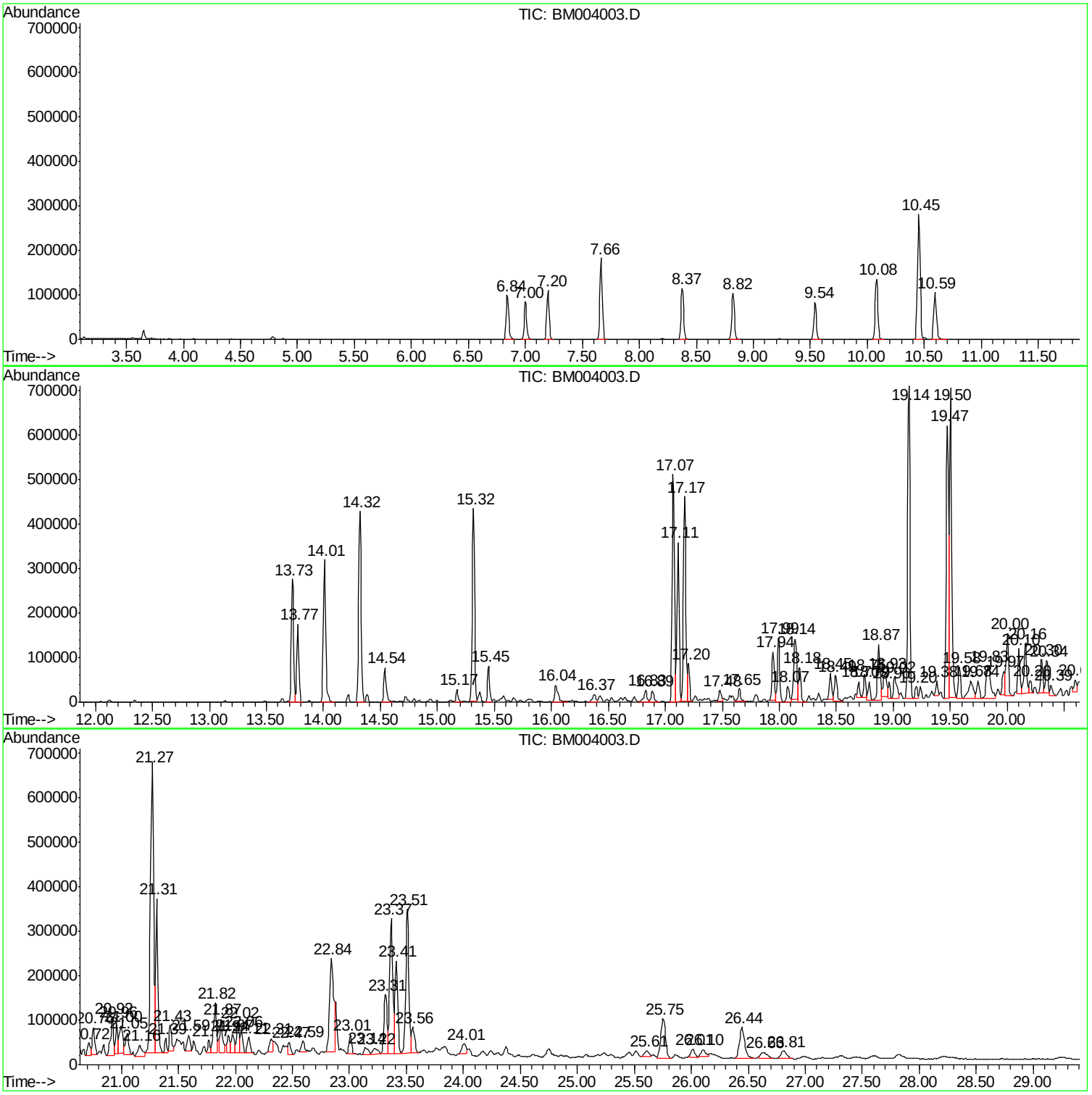
Sum of corrected areas: 19713820

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM011416\
Data File : BM004003.D
Acq On : 14 Jan 2016 02:52
Operator : SJ/UM
Sample : H1098-07
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BC9D3

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



Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM011416\
Data File : BM004003.D
Acq On : 14 Jan 2016 02:52
Operator : SJ/UM
Sample : H1098-07
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BC9D3

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

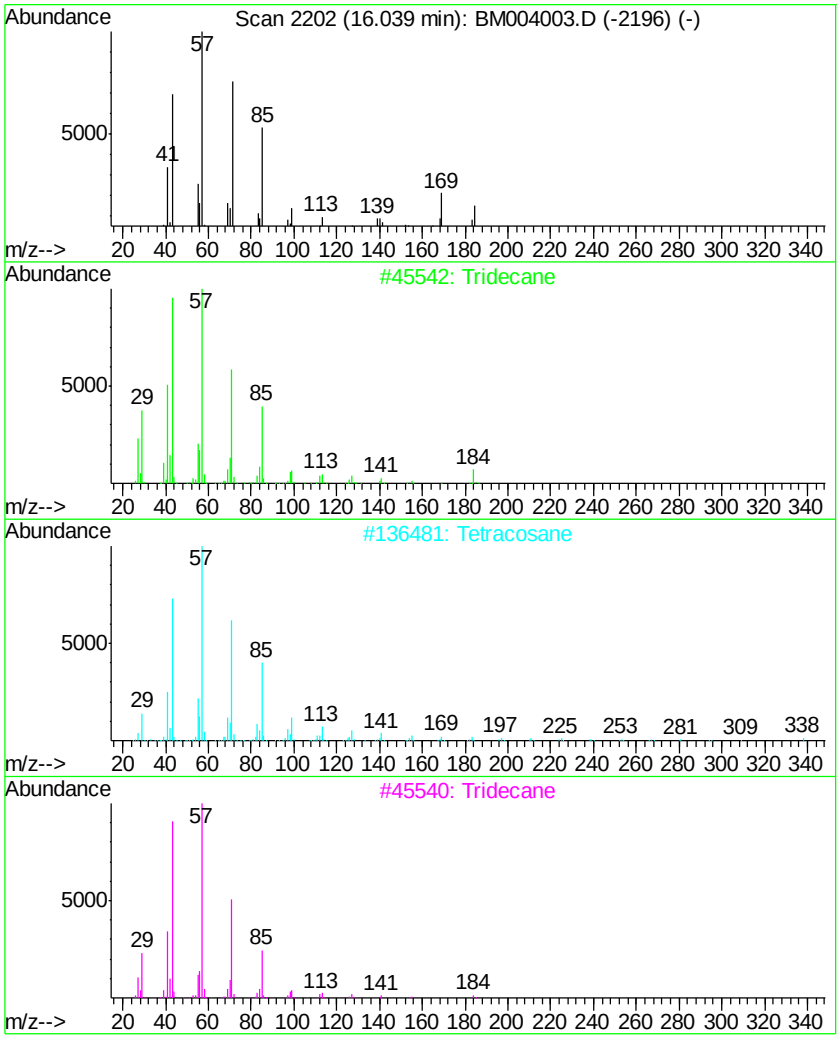
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

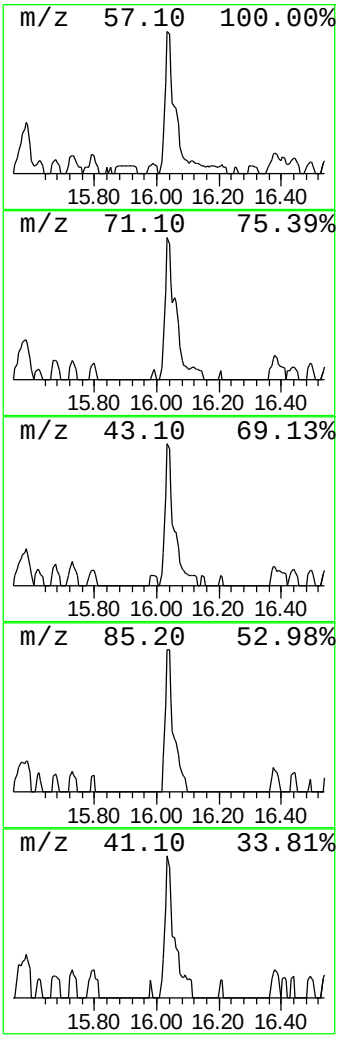
****

Peak Number 1 (DEL) Alkane: Straight-Chai... Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.04	2.25 ng/ul	83978	Phenanthrene-d10	17.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tridecane	184	C13H28	000629-50-5	81
2	Tetracosane	338	C24H50	000646-31-1	74
3	Tridecane	184	C13H28	000629-50-5	74
4	Octacosane	394	C28H58	000630-02-4	74
5	Tridecane	184	C13H28	000629-50-5	74





Data Path : Z:\HPCHEM1\BNA_M\DATA\BM011416\
Data File : BM004003.D
Acq On : 14 Jan 2016 02:52
Operator : SJ/UM
Sample : H1098-07
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BC9D3

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

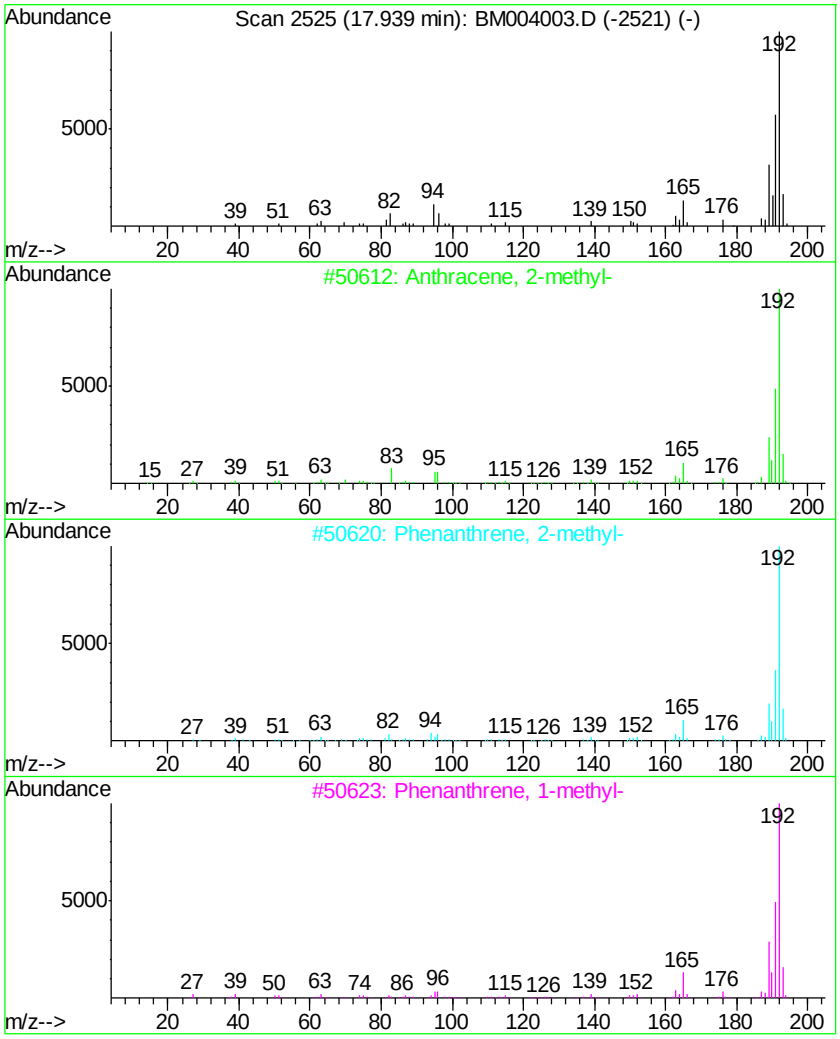
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

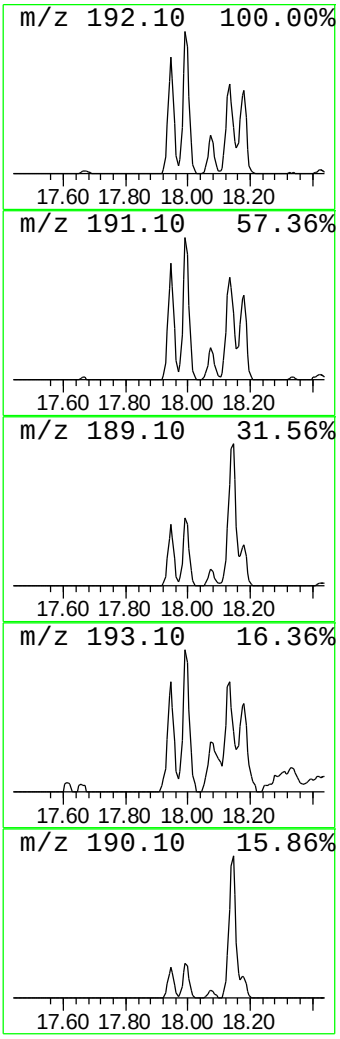
****

Peak Number 2 Anthracene, 2-methyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.94	4.08 ng/ul	152260	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, 2-methyl-	192	C15H12	002531-84-2	95
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	95
4	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	95
5	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	94





Data Path : Z:\HPCHEM1\BNA_M\DATA\BM011416\
Data File : BM004003.D
Acq On : 14 Jan 2016 02:52
Operator : SJ/UM
Sample : H1098-07
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BC9D3

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

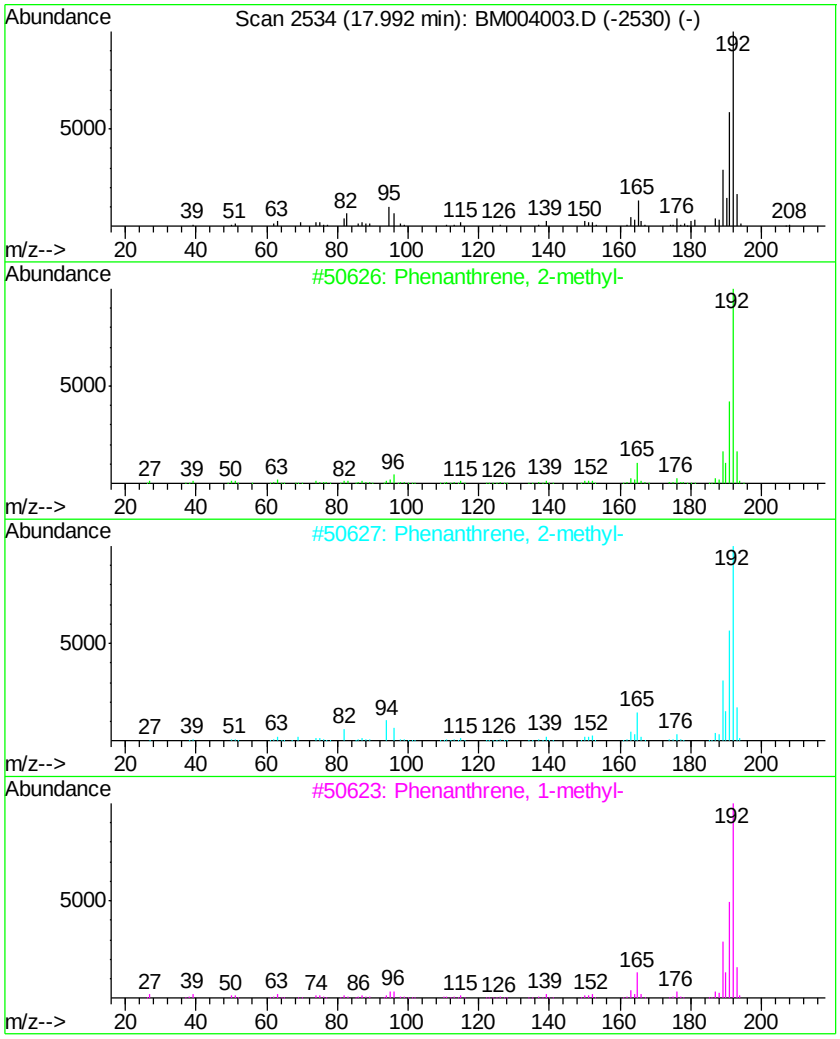
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

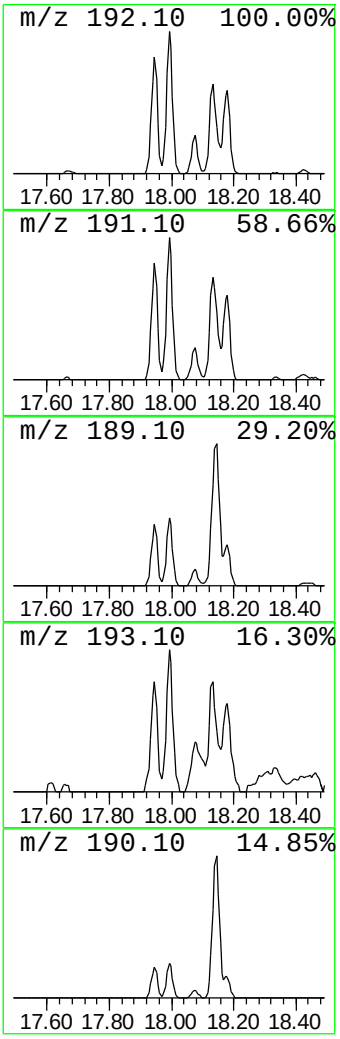
****

Peak Number 3 Phenanthrene, 2-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.99	5.37 ng/ul	200345	Phenanthrene-d10	17.07

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





Data Path : Z:\HPCHEM1\BNA_M\DATA\BM011416\
Data File : BM004003.D
Acq On : 14 Jan 2016 02:52
Operator : SJ/UM
Sample : H1098-07
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BC9D3

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

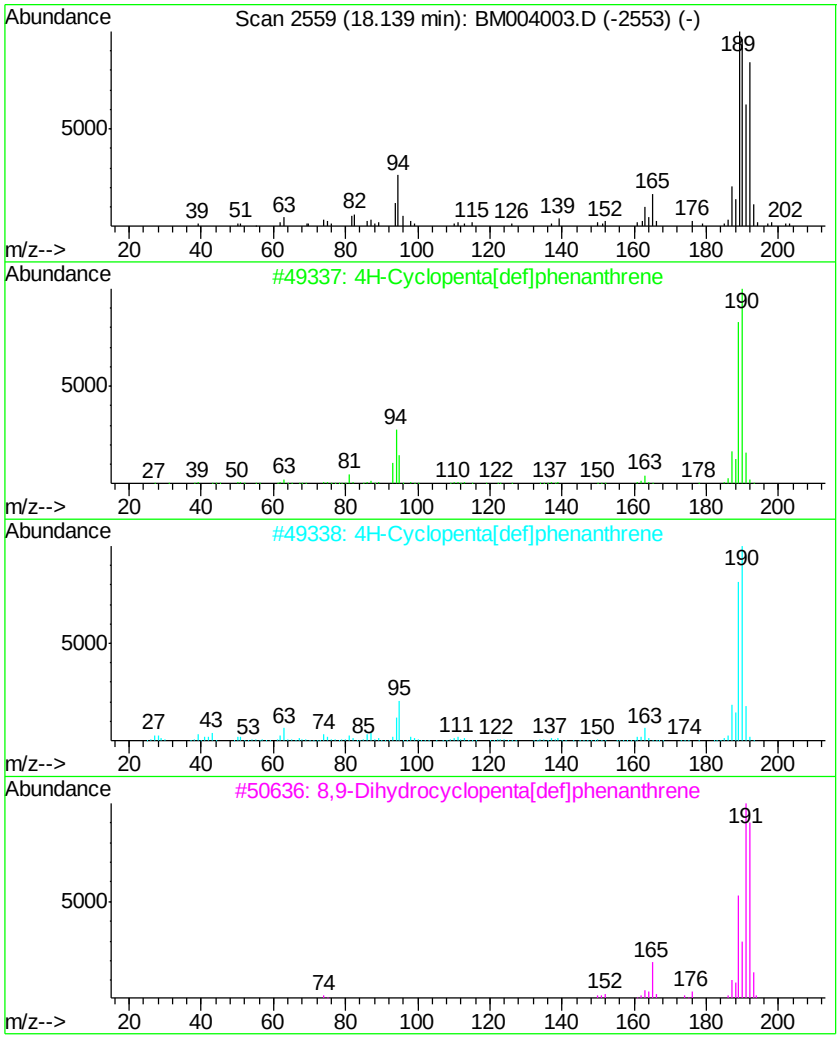
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

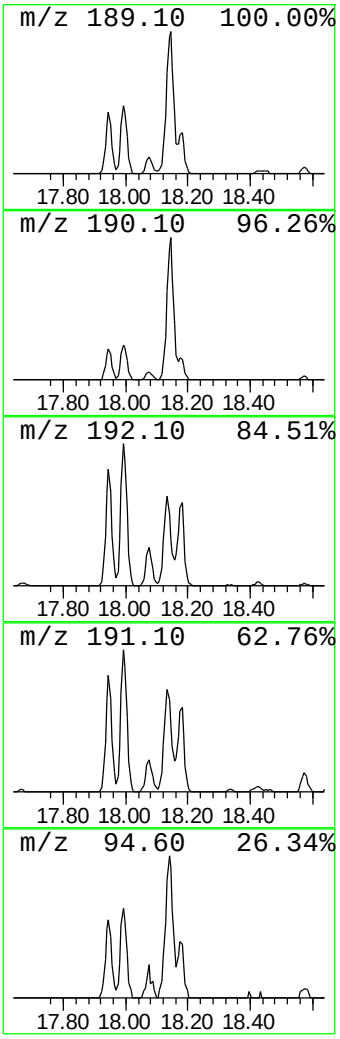
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.14	6.51 ng/ul	242698	Phenanthrene-d10	17.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	64
2	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	50
3	8,9-Dihydrocyclopenta[def]phenan...	192	C15H12	027410-55-5	42
4	5H-Dibenzo[a,d]cycloheptene	192	C15H12	000256-81-5	42
5	Methyl diselenide	190	C2H6Se2	007101-31-7	41





Data Path : Z:\HPCHEM1\BNA_M\DATA\BM011416\
Data File : BM004003.D
Acq On : 14 Jan 2016 02:52
Operator : SJ/UM
Sample : H1098-07
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BC9D3

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

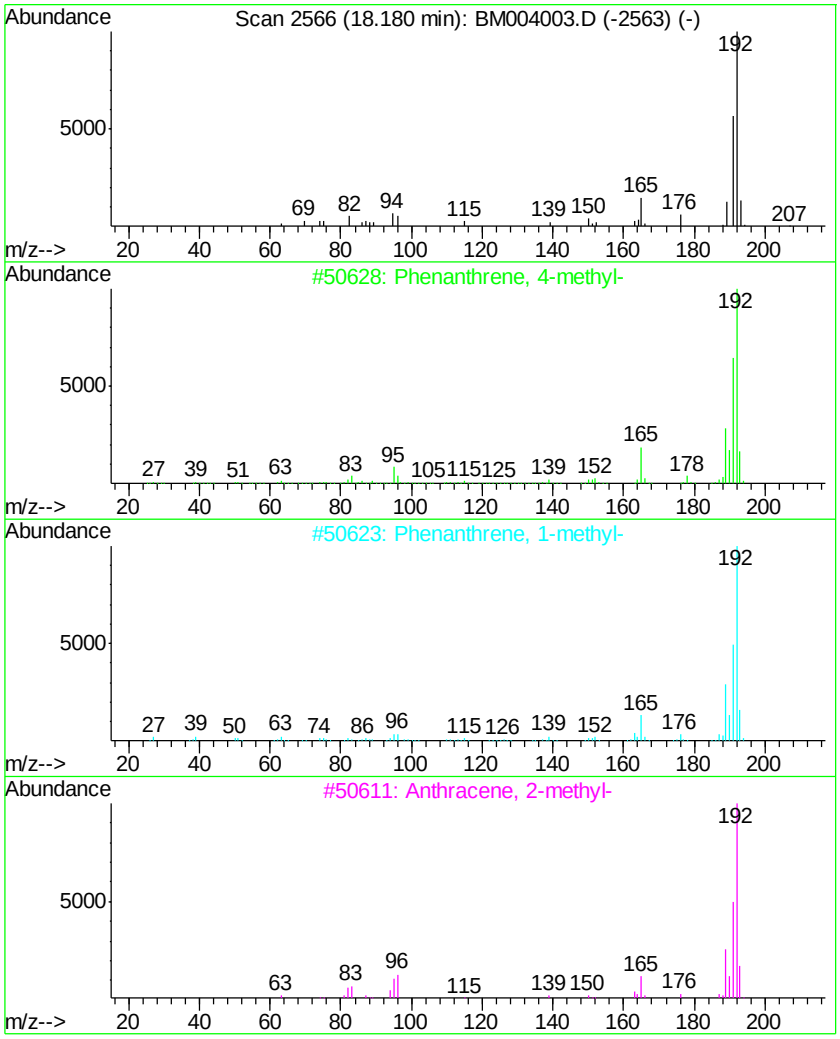
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

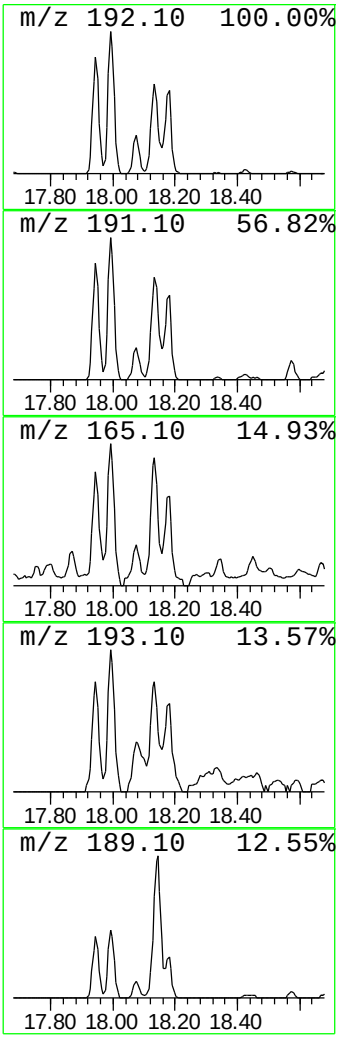
****

Peak Number 5 Phenanthrene, 4-methyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.18	2.84 ng/ul	105897	Phenanthrene-d10	17.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	87
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	87
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	86
4	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	83
5	Anthracene, 9-methyl-	192	C15H12	000779-02-2	83





Data Path : Z:\HPCHEM1\BNA_M\DATA\BM011416\
Data File : BM004003.D
Acq On : 14 Jan 2016 02:52
Operator : SJ/UM
Sample : H1098-07
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BC9D3

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Quant Title : SVOA CALIBRATION

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

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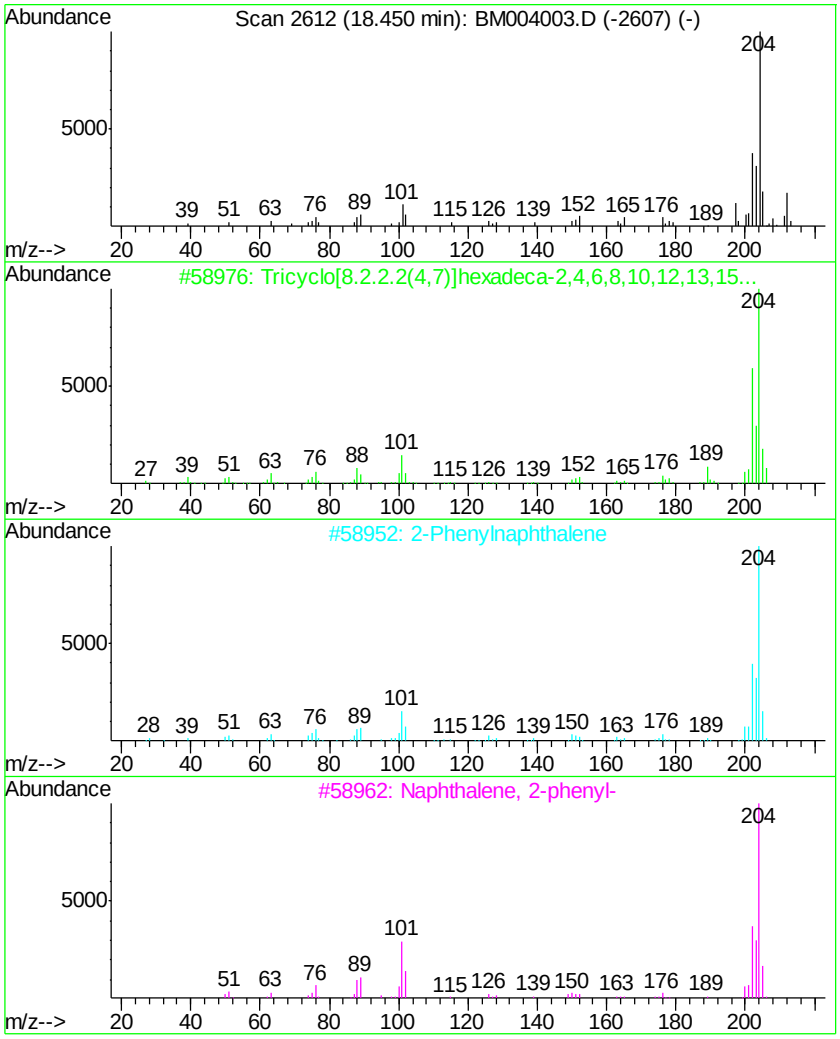
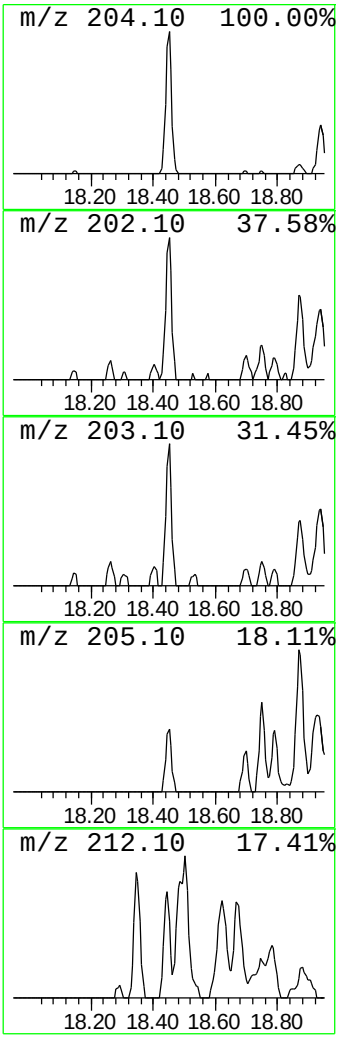
Peak Number 6 Tricyclo[8.2.2.2(4,7)]hexad... Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.45	2.19 ng/ul	81534	Phenanthrene-d10	17.07

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





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Sample : H1098-07
Misc :
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Instrument : BNA_M
ClientSampleId : BC9D3

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Quant Title : SVOA CALIBRATION

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

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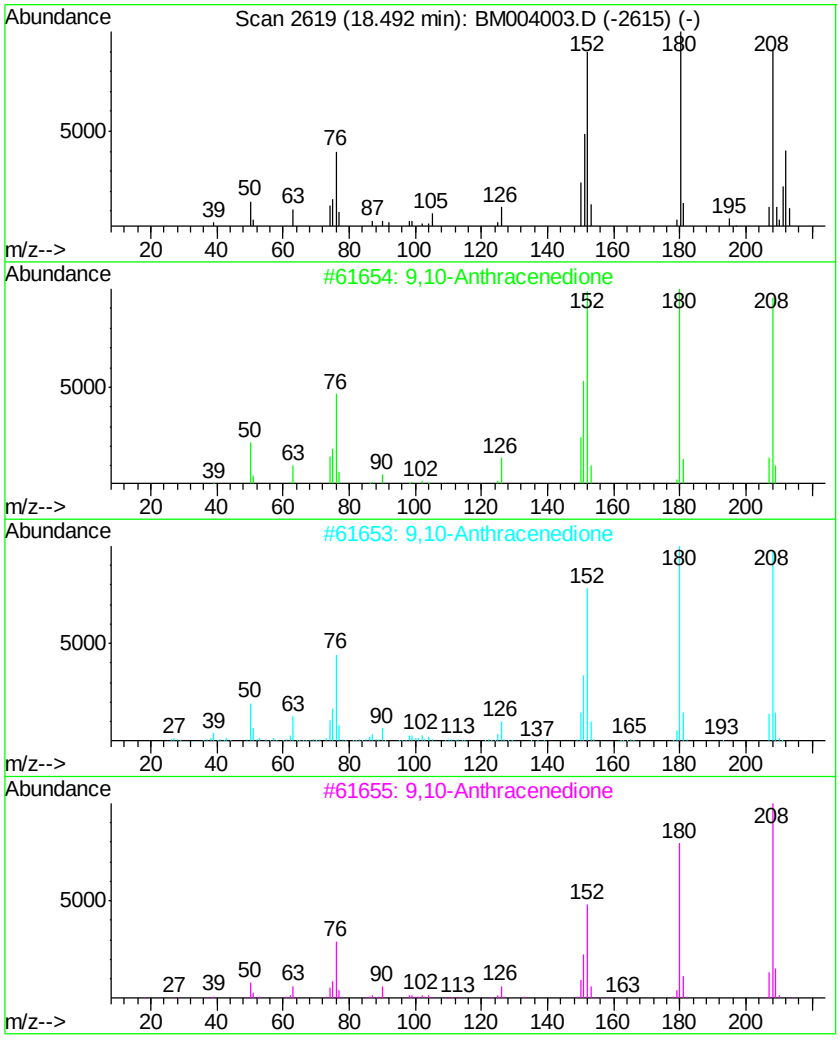
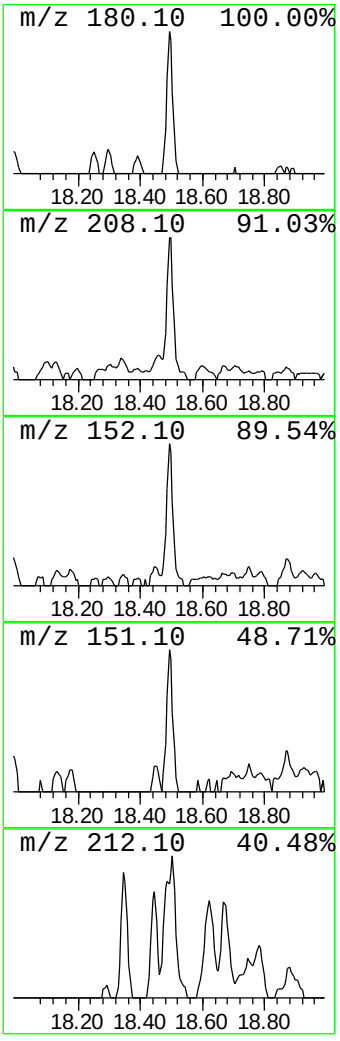
Peak Number 7 9,10-Anthracenedione Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.49	2.66 ng/ul	99062	Phenanthrene-d10	17.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Anthracenedione	208	C14H8O2	000084-65-1	99
2	9,10-Anthracenedione	208	C14H8O2	000084-65-1	98
3	9,10-Anthracenedione	208	C14H8O2	000084-65-1	93
4	Benzo[c]cinnoline	180	C12H8N2	000230-17-1	87
5	1H-Phenalen-1-one	180	C13H8O	000548-39-0	55





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Instrument : BNA_M
ClientSampleId : BC9D3

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Quant Title : SVOA CALIBRATION

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

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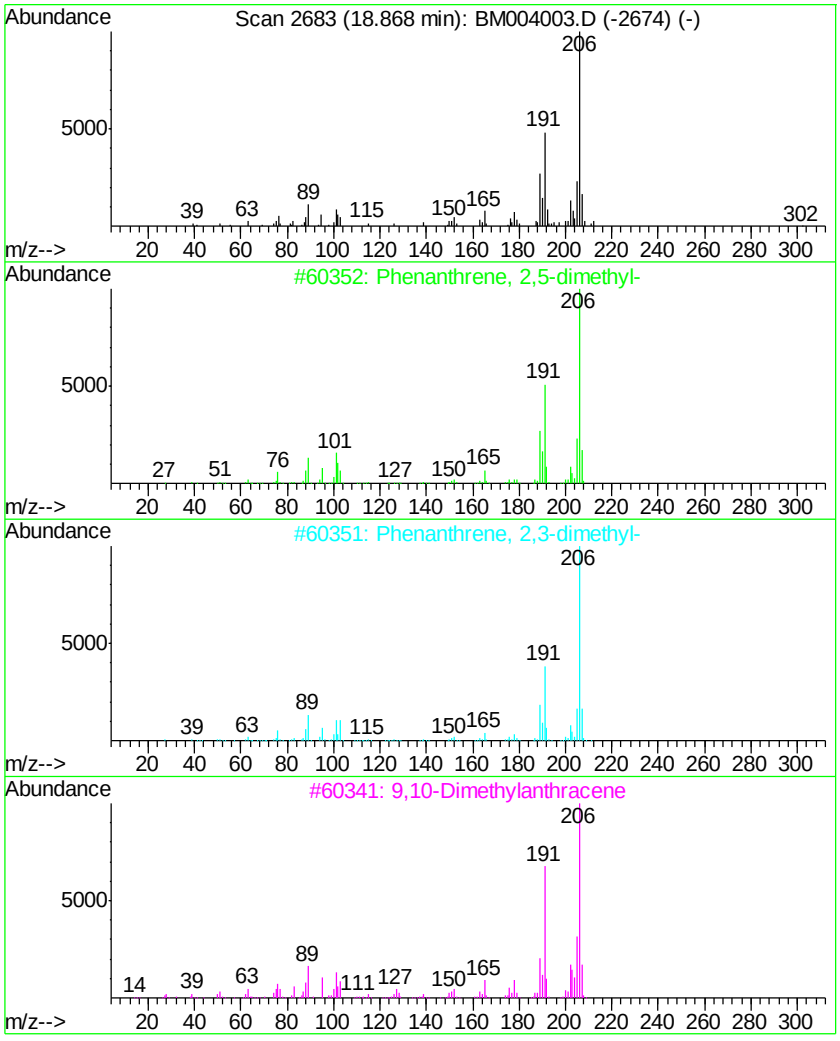
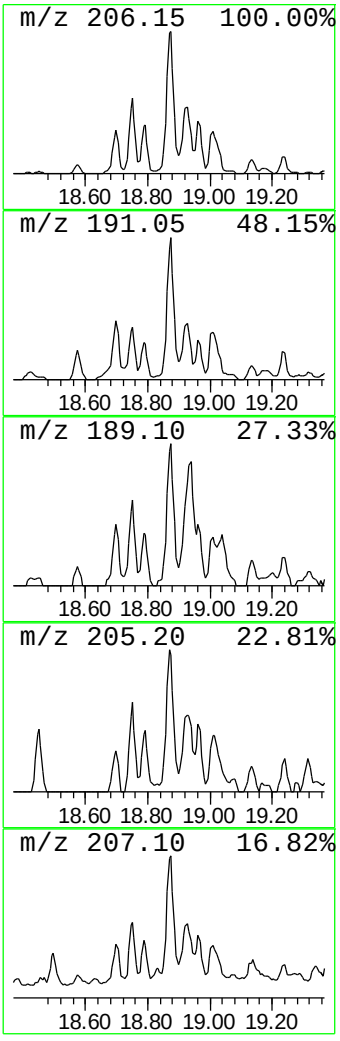
Peak Number 8 Phenanthrene, 2,5-dimethyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.87	5.67 ng/ul	211464	Phenanthrene-d10	17.07

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





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Quant Title : SVOA CALIBRATION

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

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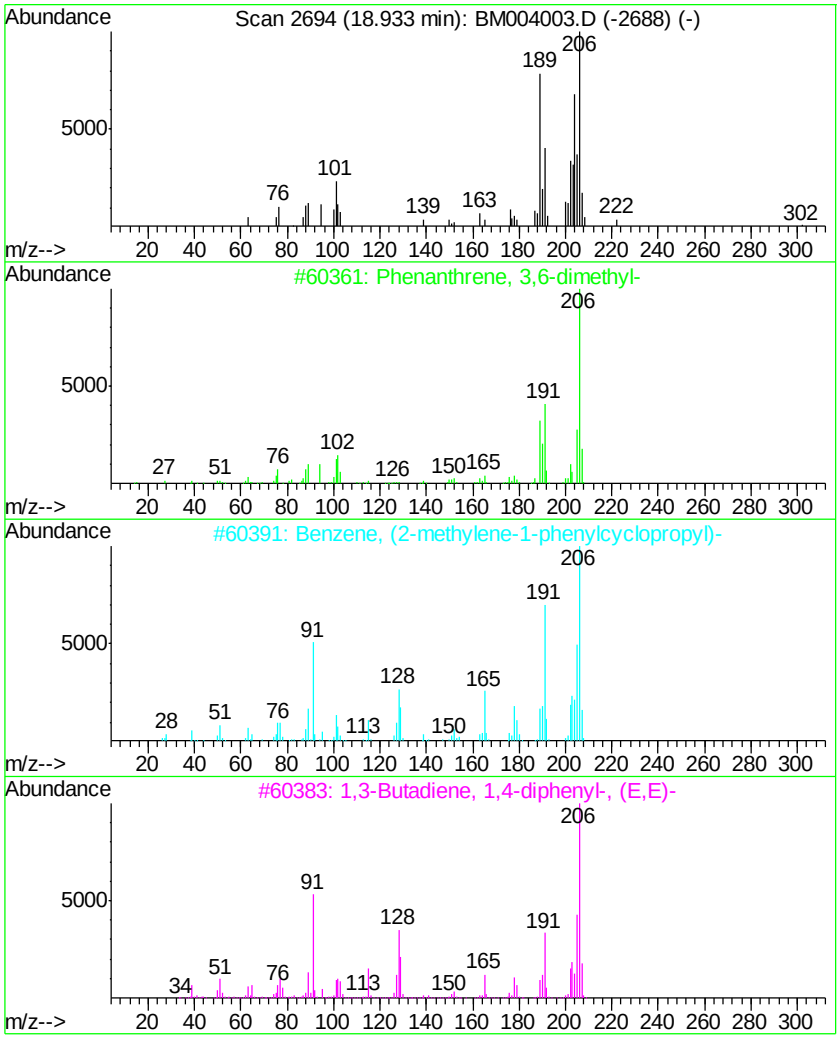
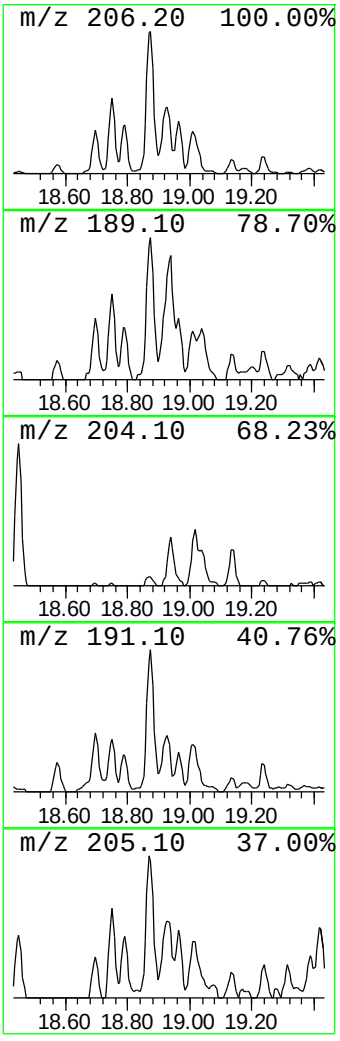
Peak Number 9 Phenanthrene, 3,6-dimethyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.93	3.04 ng/ul	113421	Phenanthrene-d10	17.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	87
2	Benzene, (2-methylene-1-phenylcy...	206	C16H14	025152-47-0	46
3	1,3-Butadiene, 1,4-diphenyl-, (E...	206	C16H14	000538-81-8	45
4	Benzene, 1,1'-(1,3-butadienylide...	206	C16H14	004165-81-5	45
5	[14]Annulene, 1,6:8,13-bis(metha...	206	C16H14	085385-68-8	43





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Quant Title : SVOA CALIBRATION

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

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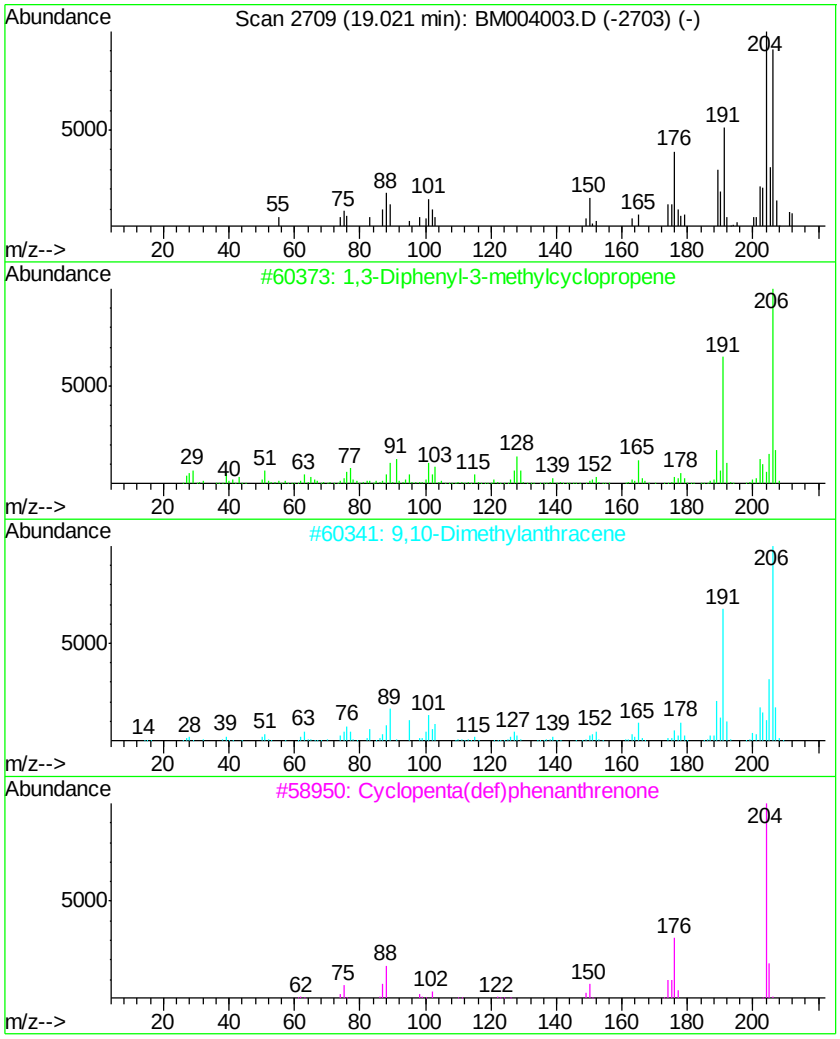
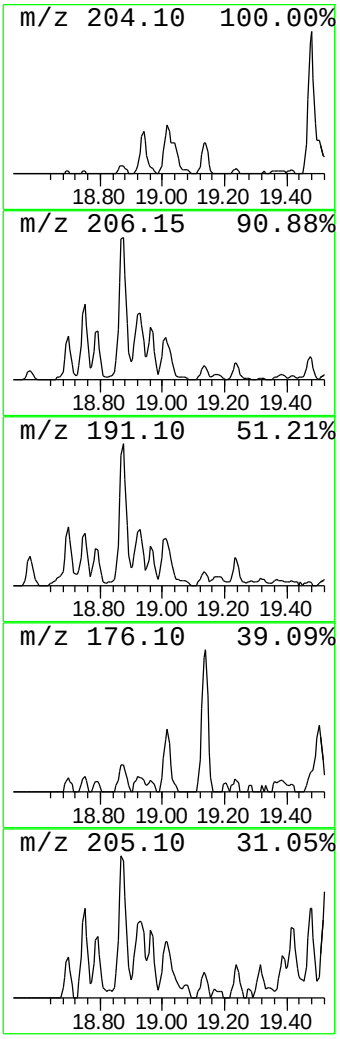
Peak Number 10 1,3-Diphenyl-3-methylcyclop... Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.02	2.80 ng/ul	104568	Phenanthrene-d10	17.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,3-Diphenyl-3-methylcyclopropene	206	C16H14	086544-79-8	83
2	9,10-Dimethylanthracene	206	C16H14	000781-43-1	64
3	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	52
4	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	50
5	Anthracene, 1,4-dimethyl-	206	C16H14	000781-92-0	50





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Sample : H1098-07
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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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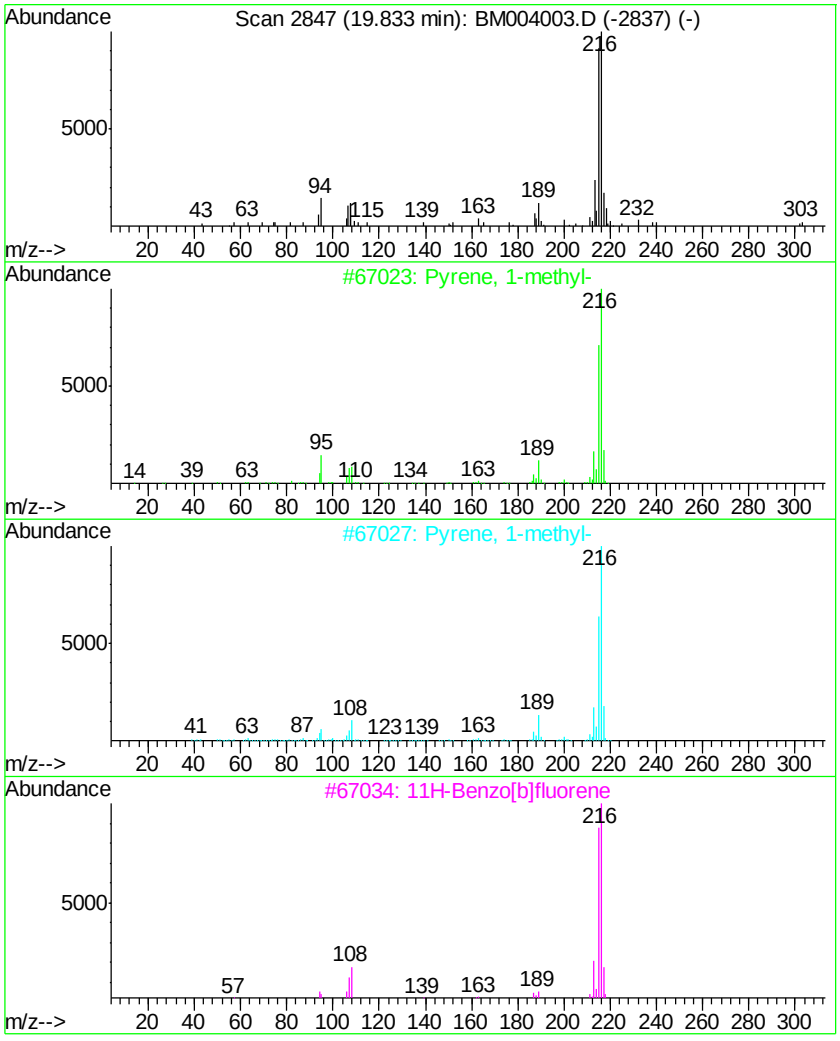
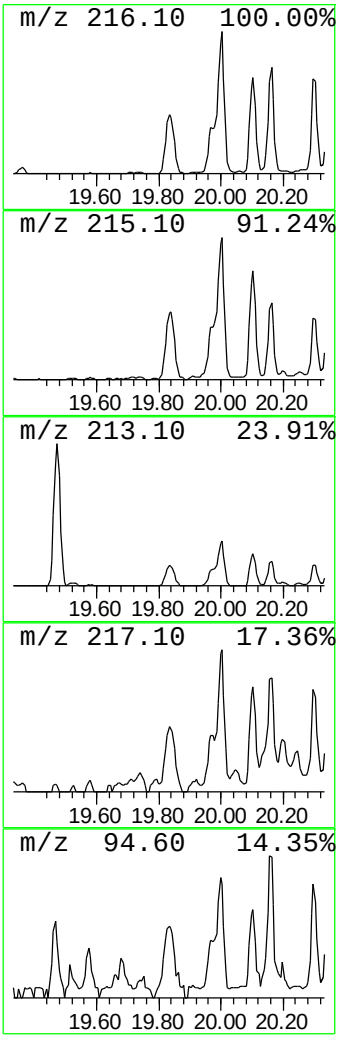
Peak Number 11 Pyrene, 1-methyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.83	3.16 ng/ul	208254	Chrysene-d12	21.27

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	96
2	Pyrene, 1-methyl-	216	C17H12	002381-21-7	96
3	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	95
4	Pyrene, 1-methyl-	216	C17H12	002381-21-7	93
5	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	81





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Sample : H1098-07
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BC9D3

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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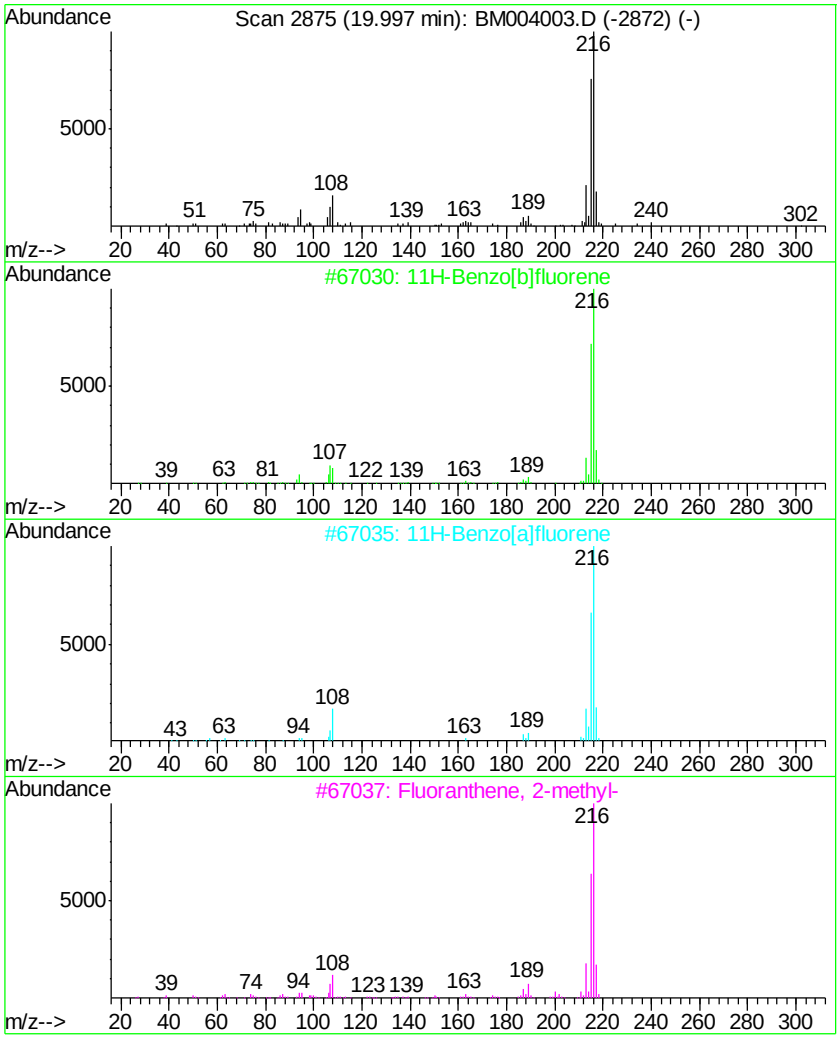
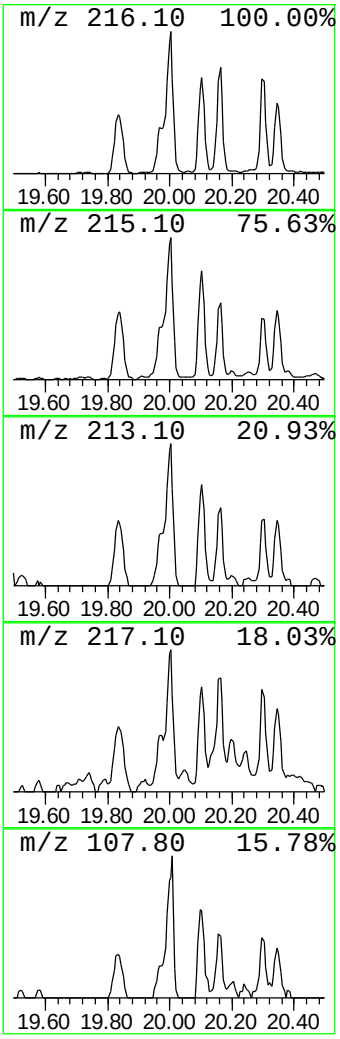
Peak Number 12 11H-Benzo[b]fluorene Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.00	3.17 ng/ul	209025	Chrysene-d12	21.27

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	94
2	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	91
3	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	91
4	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	90
5	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	90





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Sample : H1098-07
Misc :
ALS Vial : 15 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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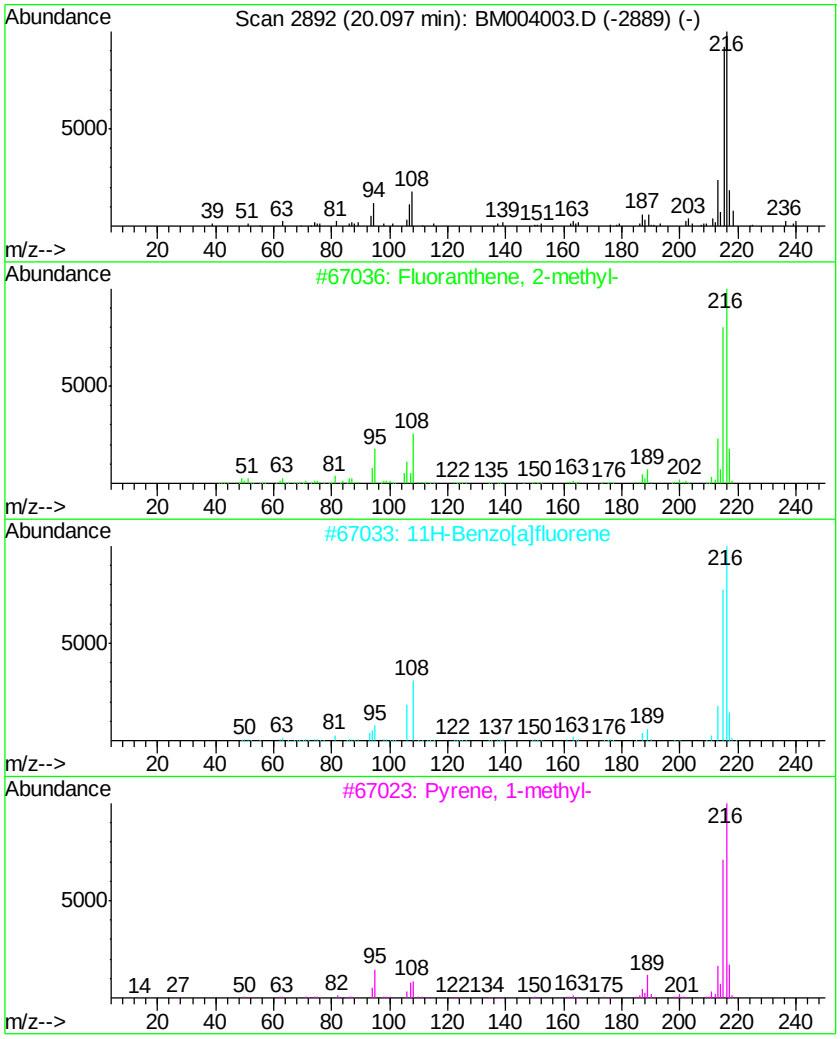
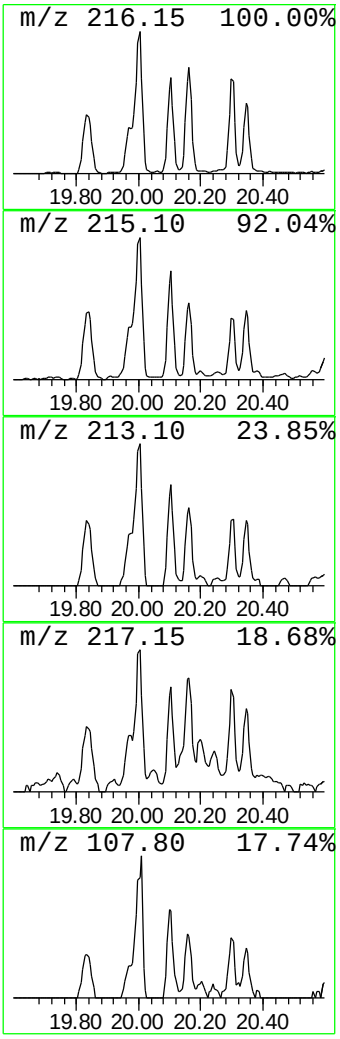
Peak Number 13 Fluoranthene, 2-methyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.10	2.04 ng/ul	134781	Chrysene-d12	21.27

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	93
2	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	87
3	Pyrene, 1-methyl-	216	C17H12	002381-21-7	83
4	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	81
5	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	81





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Misc :
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Instrument : BNA_M
ClientSampleId : BC9D3

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Quant Title : SVOA CALIBRATION

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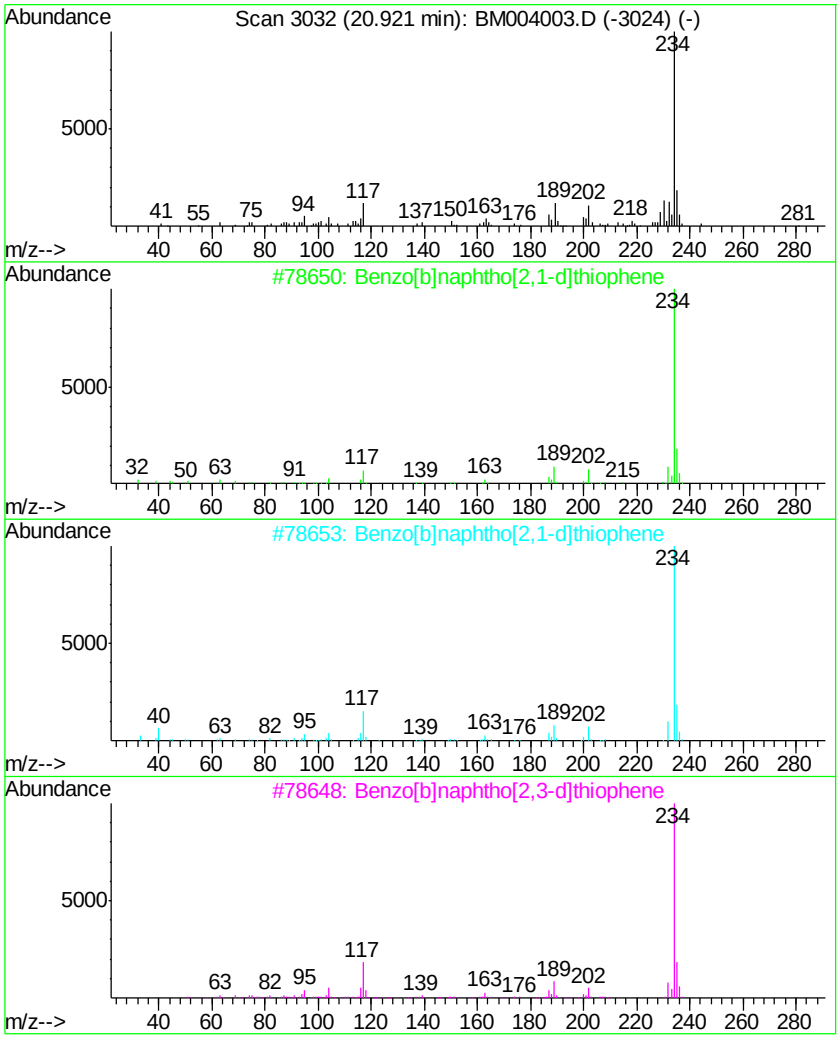
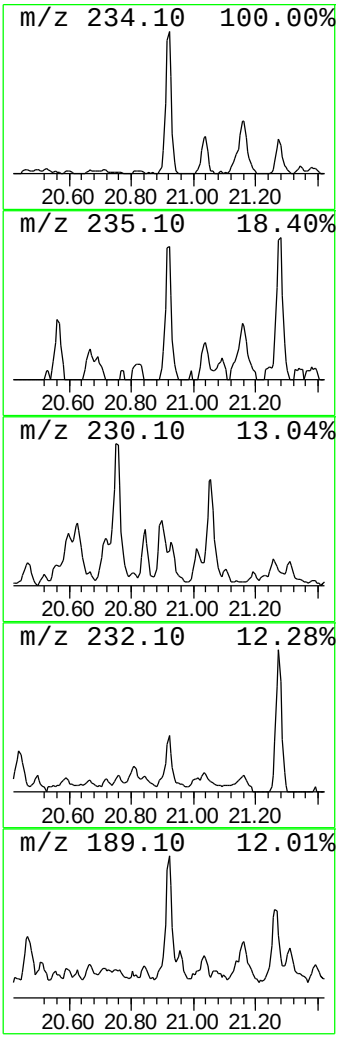
Peak Number 15 Benzo[b]naphtho[2,1-d]thiop... Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.92	2.41 ng/ul	158620	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	96
2	Benzo[b]naphtho[2,1-d]thiophene	234	C16H10S	000239-35-0	94
3	Benzo[b]naphtho[2,3-d]thiophene	234	C16H10S	000243-46-9	93
4	Benzo[b]naphtho[2,1-d]thiophene	234	C16H10S	000239-35-0	93
5	Benzo[b]naphtho[2,3-d]thiophene	234	C16H10S	000243-46-9	91





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Quant Title : SVOA CALIBRATION

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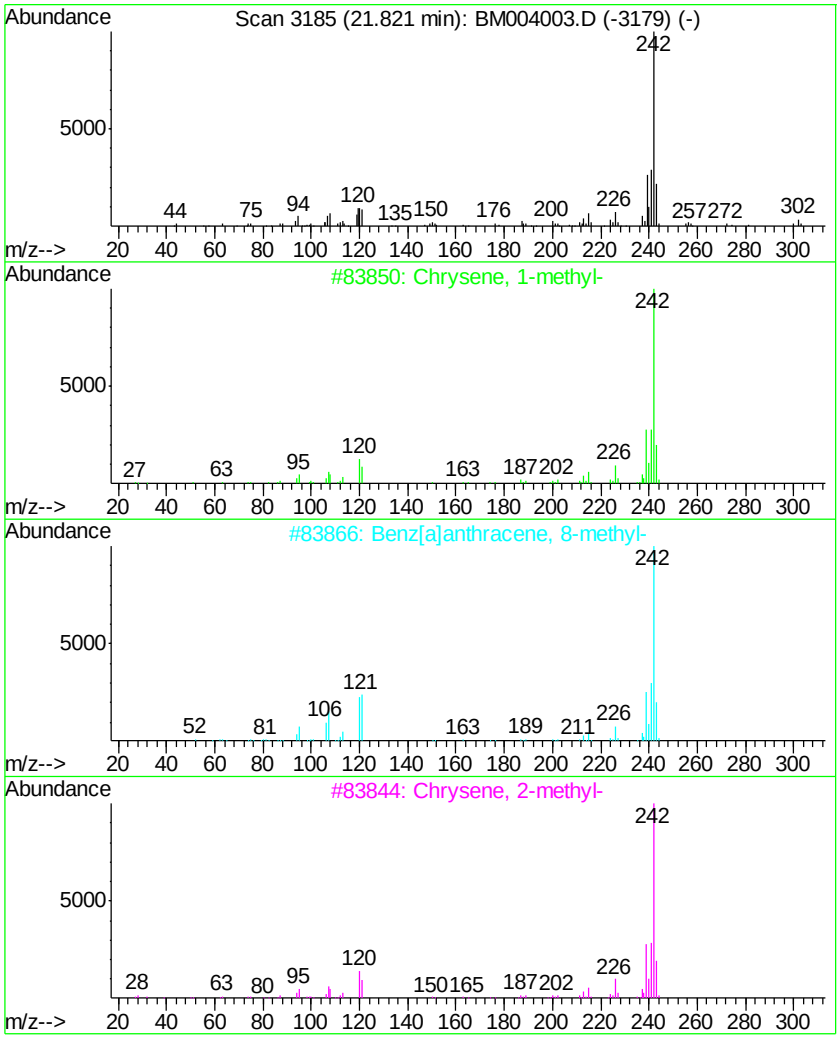
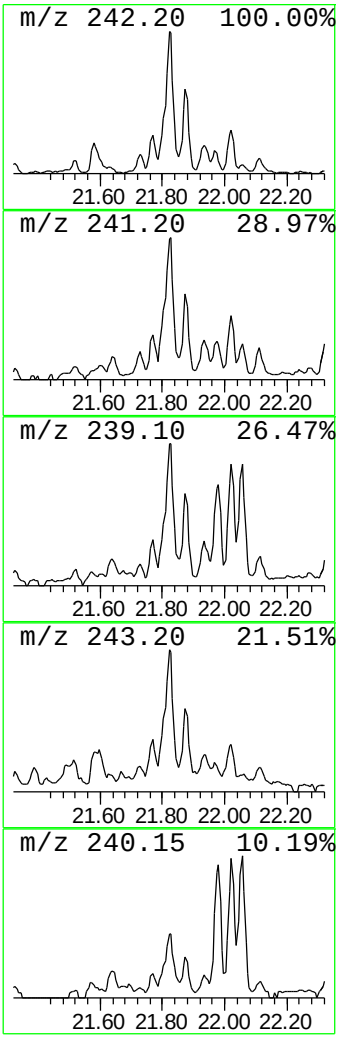
Peak Number 16 Chrysene, 1-methyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.82	3.14 ng/ul	206847	Chrysene-d12	21.27

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Chrysene, 1-methyl-	242	C19H14	003351-28-8	97
2	Benz[a]anthracene, 8-methyl-	242	C19H14	002381-31-9	95
3	Chrysene, 2-methyl-	242	C19H14	003351-32-4	95
4	Benz[a]anthracene, 7-methyl-	242	C19H14	002541-69-7	94
5	Triphenylene, 2-methyl-	242	C19H14	001705-84-6	93





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Quant Title : SVOA CALIBRATION

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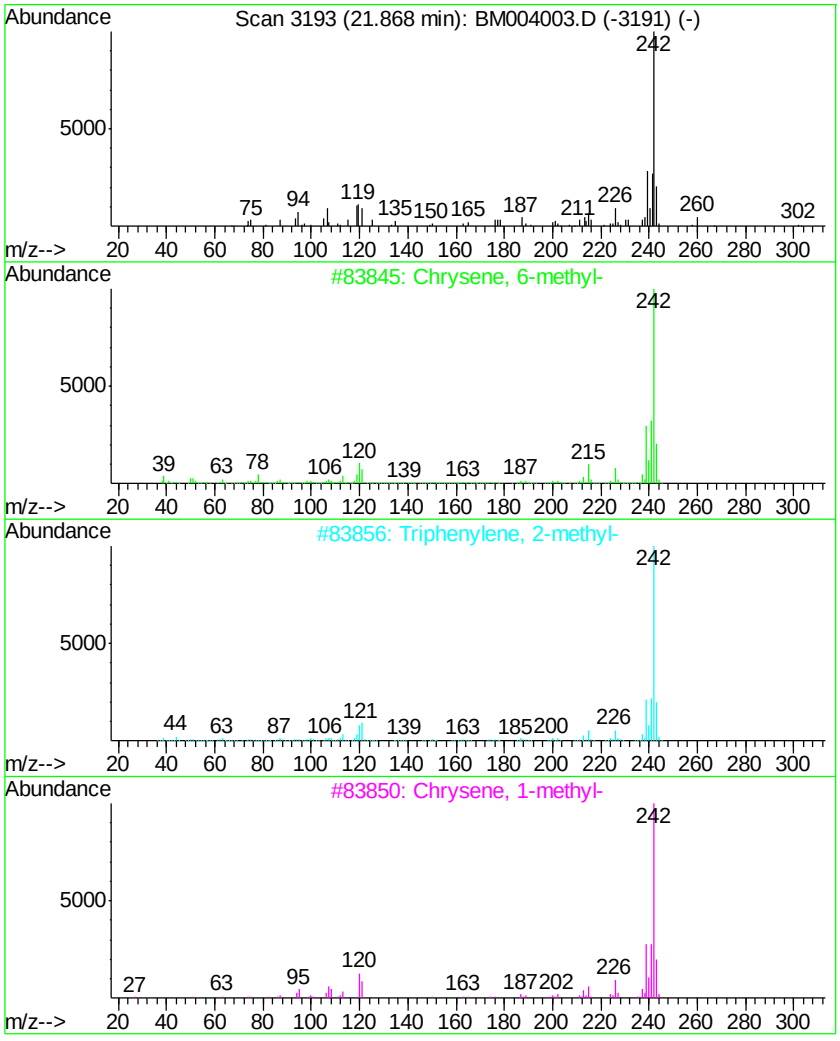
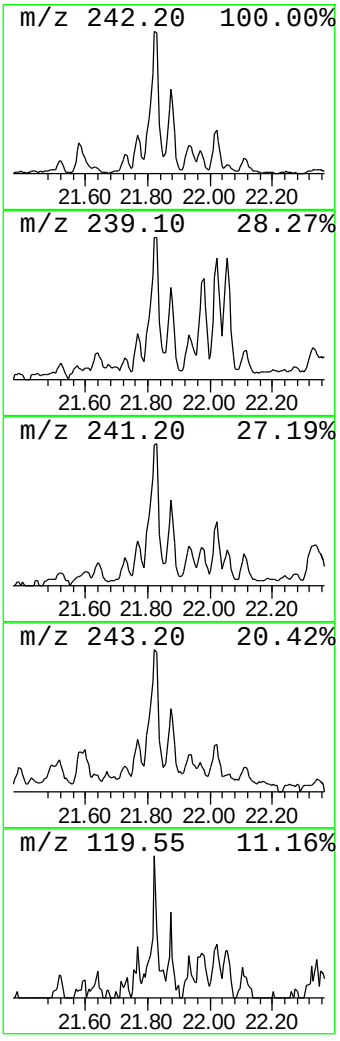
Peak Number 17 Chrysene, 6-methyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.87	2.00 ng/ul	131868	Chrysene-d12	21.27

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Chrysene, 6-methyl-	242	C19H14	003697-24-3	90
2	Triphenylene, 2-methyl-	242	C19H14	001705-84-6	90
3	Chrysene, 1-methyl-	242	C19H14	003351-28-8	90
4	Chrysene, 1-methyl-	242	C19H14	003351-28-8	89
5	Benz[a]anthracene, 1-methyl-	242	C19H14	002498-77-3	89





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Quant Title : SVOA CALIBRATION

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

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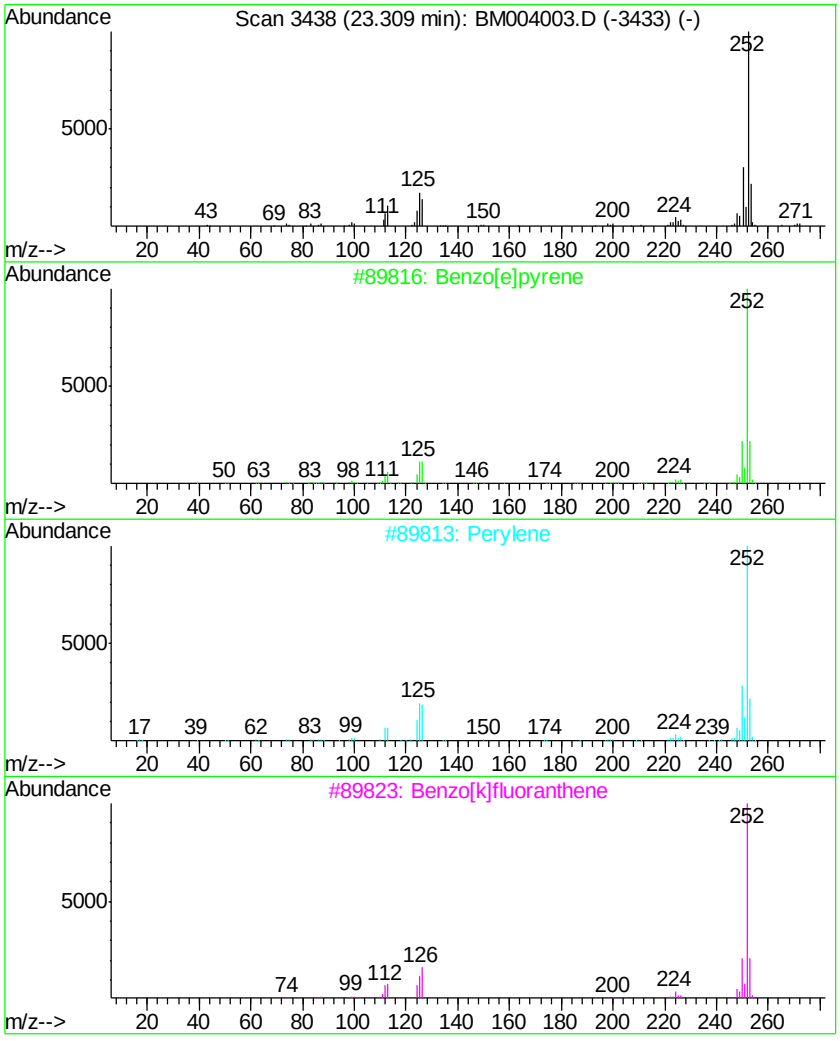
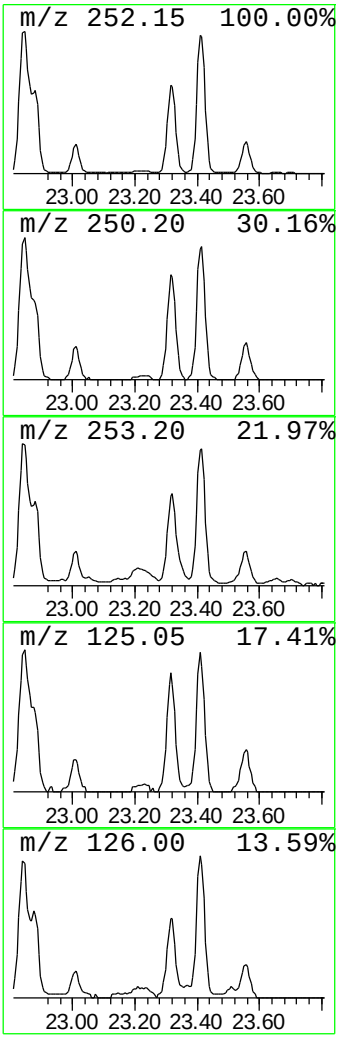
Peak Number 19 Benzo[e]pyrene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
23.31	8.51 ng/ul	261894	Perylene-d12	23.51

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	99
2	Perylene	252	C20H12	000198-55-0	98
3	Benzo[k]fluoranthene	252	C20H12	000207-08-9	98
4	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	96
5	Perylene	252	C20H12	000198-55-0	96





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM011416\
Data File : BM004003.D
Acq On : 14 Jan 2016 02:52
Operator : SJ/UM
Sample : H1098-07
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BC9D3

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
(DEL) Alkane: Str...	16.04	2.3	ng/ul	83978	4	17.07	745819	20.0
Anthracene, 2-met...	17.94	4.1	ng/ul	152260	4	17.07	745819	20.0
Phenanthrene, 2-m...	17.99	5.4	ng/ul	200345	4	17.07	745819	20.0
4H-Cyclopenta[def...	18.14	6.5	ng/ul	242698	4	17.07	745819	20.0
Phenanthrene, 4-m...	18.18	2.8	ng/ul	105897	4	17.07	745819	20.0
Tricyclo[8.2.2.2(...	18.45	2.2	ng/ul	81534	4	17.07	745819	20.0
9,10-Anthracenedione	18.49	2.7	ng/ul	99062	4	17.07	745819	20.0
Phenanthrene, 2,5...	18.87	5.7	ng/ul	211464	4	17.07	745819	20.0
Phenanthrene, 3,6...	18.93	3.0	ng/ul	113421	4	17.07	745819	20.0
1,3-Diphenyl-3-me...	19.02	2.8	ng/ul	104568	4	17.07	745819	20.0
Pyrene, 1-methyl-	19.83	3.2	ng/ul	208254	5	21.27	1318400	20.0
11H-Benzo[b]fluorene	20.00	3.2	ng/ul	209025	5	21.27	1318400	20.0
Fluoranthene, 2-m...	20.10	2.0	ng/ul	134781	5	21.27	1318400	20.0
Benzo[b]naphtho[2...	20.92	2.4	ng/ul	158620	5	21.27	1318400	20.0
Chrysene, 1-methyl-	21.82	3.1	ng/ul	206847	5	21.27	1318400	20.0
Chrysene, 6-methyl-	21.87	2.0	ng/ul	131868	5	21.27	1318400	20.0
Benzo[e]pyrene	23.31	8.5	ng/ul	261894	6	23.51	615248	20.0