LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM011416\
Data File : BM004002.D
Acq On : 14 Jan 2016 02:16
Operator : SJ/UM
Sample : H1098-06
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BC9D2

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	6.840	633	638	648	rBV	108789	170282	14.58%	0.963%
2	6.998	660	665	675	rBB	95856	144858	12.40%	0.819%
3	7.198	693	699	707	rBB	122636	186284	15.95%	1.053%
4	7.663	772	778	786	rBB	154820	234773	20.10%	1.328%
5	8.375	894	899	910	rBB	121010	187131	16.02%	1.058%
6	8.822	969	975	984	rBB	116879	181924	15.57%	1.029%
7	9.540	1092	1097	1106	rBB	95634	151033	12.93%	0.854%
8	10.081	1183	1189	1200	rBB	151390	245811	21.04%	1.390%
9	10.451	1245	1252	1258	rBV	244681	392040	33.56%	2.217%
10	10.592	1270	1276	1293	rBB	124809	207652	17.77%	1.174%
11	13.727	1804	1809	1814	rVV	304087	424012	36.29%	2.398%
12	13.775	1814	1817	1824	rVB	121868	158120	13.53%	0.894%
13	14.010	1851	1857	1871	rBB	361089	534736	45.77%	3.024%
14	14.322	1903	1910	1917	rBV2	367463	549292	47.02%	3.106%
15	14.539	1942	1947	1958	rBV	83194	129799	11.11%	0.734%
16	15.316	2073	2079	2085	rBV	481984	675652	57.84%	3.820%
17	15.451	2096	2102	2107	rBV	96756	128472	11.00%	0.726%
18	16.039	2197	2202	2212	rBB2	20601	42915	3.67%	0.243%
19	16.886	2341	2346	2354	rVB2	17068	27100	2.32%	0.153%
20	17.068	2371	2377	2381	rBV	477145	671796	57.51%	3.799%
21	17.110	2381	2384	2389	rVV	259572	341698	29.25%	1.932%
22	17.168	2389	2394	2398	rVV	550131	760823	65.13%	4.302%
23	17.204	2398	2400	2405	rVB	54370	58219	4.98%	0.329%
24	17.651	2472	2476	2483	rVB	23817	32882	2.81%	0.186%
25	17.792	2495	2500	2509	rVB	13677	25000	2.14%	0.141%
26	17.945	2516	2526	2530	rBV	85227	132157	11.31%	0.747%
27	17.992	2530	2534	2540	rVB	110627	153350	13.13%	0.867%
28	18.074	2543	2548	2553	rBV2	20724	34361	2.94%	0.194%
29	18.133	2553	2558	2563	rBV2	99457	183212	15.68%	1.036%
30	18.174	2563	2565	2575	rVB	60658	78421	6.71%	0.443%
31	18.451	2607	2612	2615	rBV2	45104	64120	5.49%	0.363%
32	18.492	2615	2619	2629	rVB2	47235	79856	6.84%	0.452%
33	18.698	2645	2654	2658	rBV3	36075	64383	5.51%	0.364%
34	18.751	2658	2663	2666	rVV	45770	56039	4.80%	0.317%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM011416\
Data File : BM004002.D
Acq On : 14 Jan 2016 02:16
Operator : SJ/UM
Sample : H1098-06
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BC9D2

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	18.786	2666	2669	2674	rVB2	35737	45819	3.92%	0.259%
36	18.868	2678	2683	2688	rBV	99752	165763	14.19%	0.937%
37	18.927	2688	2693	2697	rVV3	42929	89448	7.66%	0.506%
38	18.962	2697	2699	2703	rVB	30687	32820	2.81%	0.186%
39	19.009	2703	2707	2714	rBV4	43030	87155	7.46%	0.493%
40	19.133	2721	2728	2735	rVB	502072	681085	58.30%	3.851%
41	19.204	2735	2740	2742	rBV	23381	30163	2.58%	0.171%
42	19.233	2742	2745	2750	rVB3	20280	27494	2.35%	0.155%
43	19.380	2765	2770	2774	rVB2	25974	32518	2.78%	0.184%
44	19.474	2780	2786	2789	rBV	712099	1104278	94.53%	6.244%
45	19.504	2789	2791	2799	rVB	518310	603271	51.64%	3.411%
46	19.580	2799	2804	2809	rVB2	61147	92306	7.90%	0.522%
47	19.674	2809	2820	2828	rBV3	28011	99775	8.54%	0.564%
48	19.739	2828	2831	2838	rVB3	33043	50239	4.30%	0.284%
49	19.827	2839	2846	2858	rBV4	55813	154487	13.22%	0.874%
50	19.968	2864	2870	2871	rBV4	40430	58152	4.98%	0.329%
51	19.998	2871	2875	2882	rVB	112384	175072	14.99%	0.990%
52	20.104	2889	2893	2897	rVV	74667	95914	8.21%	0.542%
53	20.156	2897	2902	2907	rVV2	88948	142029	12.16%	0.803%
54	20.298	2922	2926	2930	rBV	63273	84548	7.24%	0.478%
55	20.345	2930	2934	2938	rVV	59641	77593	6.64%	0.439%
56	20.386	2938	2941	2947	rVB4	20117	27874	2.39%	0.158%
57	20.468	2950	2955	2958	rVB4	15142	24903	2.13%	0.141%
58	20.562	2967	2971	2974	rBV2	34482	49394	4.23%	0.279%
59	20.598	2974	2977	2979	rVV	22574	28184	2.41%	0.159%
60	20.627	2979	2982	2986	rVB2	22233	30592	2.62%	0.173%
61	20.715	2992	2997	3000	rBV4	21738	37434	3.20%	0.212%
62	20.751	3000	3003	3009	rVB2	47627	75585	6.47%	0.427%
63	20.839	3015	3018	3023	rVB	23192	32529	2.78%	0.184%
64	20.921	3023	3032	3035	rBV3	73260	141250	12.09%	0.799%
65	20.956	3035	3038	3040	rVV	54152	69021	5.91%	0.390%
66	20.980	3040	3042	3049	rVV3	58463	134863	11.54%	0.763%
67	21.051	3049	3054	3060	rVB2	37968	75019	6.42%	0.424%
68	21.156	3065	3072	3081	rBV2	22843	65989	5.65%	0.373%
69	21.268	3082	3091	3095	rVV2	621314	1168239	100.00%	6.606%
70	21.309	3095	3098	3107	rVB	277873	376707	32.25%	2.130%
71	21.386	3107	3111	3115	rBV2	25677	35955	3.08%	0.203%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM011416\
Data File : BM004002.D
Acq On : 14 Jan 2016 02:16
Operator : SJ/UM
Sample : H1098-06
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BC9D2

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	21.427	3115	3118	3122	rVV2	42365	57754	4.94%	0.327%
73	21.486	3124	3128	3135	rVV7	25984	76692	6.56%	0.434%
74	21.592	3140	3146	3150	rVV3	28402	54077	4.63%	0.306%
75	21.768	3172	3176	3178	rVV	20390	27697	2.37%	0.157%
76	21.821	3178	3185	3188	rVV	86960	155278	13.29%	0.878%
77	21.874	3188	3194	3200	rVV2	56857	125241	10.72%	0.708%
78	21.939	3201	3205	3208	rVV3	28690	48053	4.11%	0.272%
79	21.974	3208	3211	3215	rVV3	29113	48464	4.15%	0.274%
80	22.015	3215	3218	3222	rVV	43030	71417	6.11%	0.404%
81	22.050	3222	3224	3229	rVB2	36513	47066	4.03%	0.266%
82	22.115	3230	3235	3241	rBV2	31696	54167	4.64%	0.306%
83	22.309	3263	3268	3281	rVB2	41873	114436	9.80%	0.647%
84	22.439	3282	3290	3293	rBV5	25228	57330	4.91%	0.324%
85	22.592	3310	3316	3322	rVV5	18649	40238	3.44%	0.228%
86	22.674	3327	3330	3339	rVB7	9868	26036	2.23%	0.147%
87	22.839	3349	3358	3363	rBV2	157990	420631	36.01%	2.378%
88	23.009	3382	3387	3392	rVB	29382	49385	4.23%	0.279%
89	23.315	3433	3439	3443	rBV	100952	191896	16.43%	1.085%
90	23.368	3443	3448	3452	rVV	374554	679655	58.18%	3.843%
91	23.409	3452	3455	3461	rVV	154433	259562	22.22%	1.468%
92	23.509	3464	3472	3477	rVV	295700	567237	48.55%	3.207%
93	23.556	3477	3480	3487	rVB2	42973	79222	6.78%	0.448%
94	24.009	3550	3557	3570	rVB2	43946	115456	9.88%	0.653%
95	24.374	3614	3619	3632	rVB4	16047	43931	3.76%	0.248%
96	24.750	3676	3683	3690	rBV4	17921	45183	3.87%	0.255%
97	25.603	3822	3828	3836	rVV3	15724	41806	3.58%	0.236%
98	25.750	3845	3853	3864	rVB	63978	185358	15.87%	1.048%
99	26.444	3961	3971	3984	rBV2	44552	148304	12.69%	0.839%
100	26.815	4026	4034	4048	rVB3	11711	41845	3.58%	0.237%

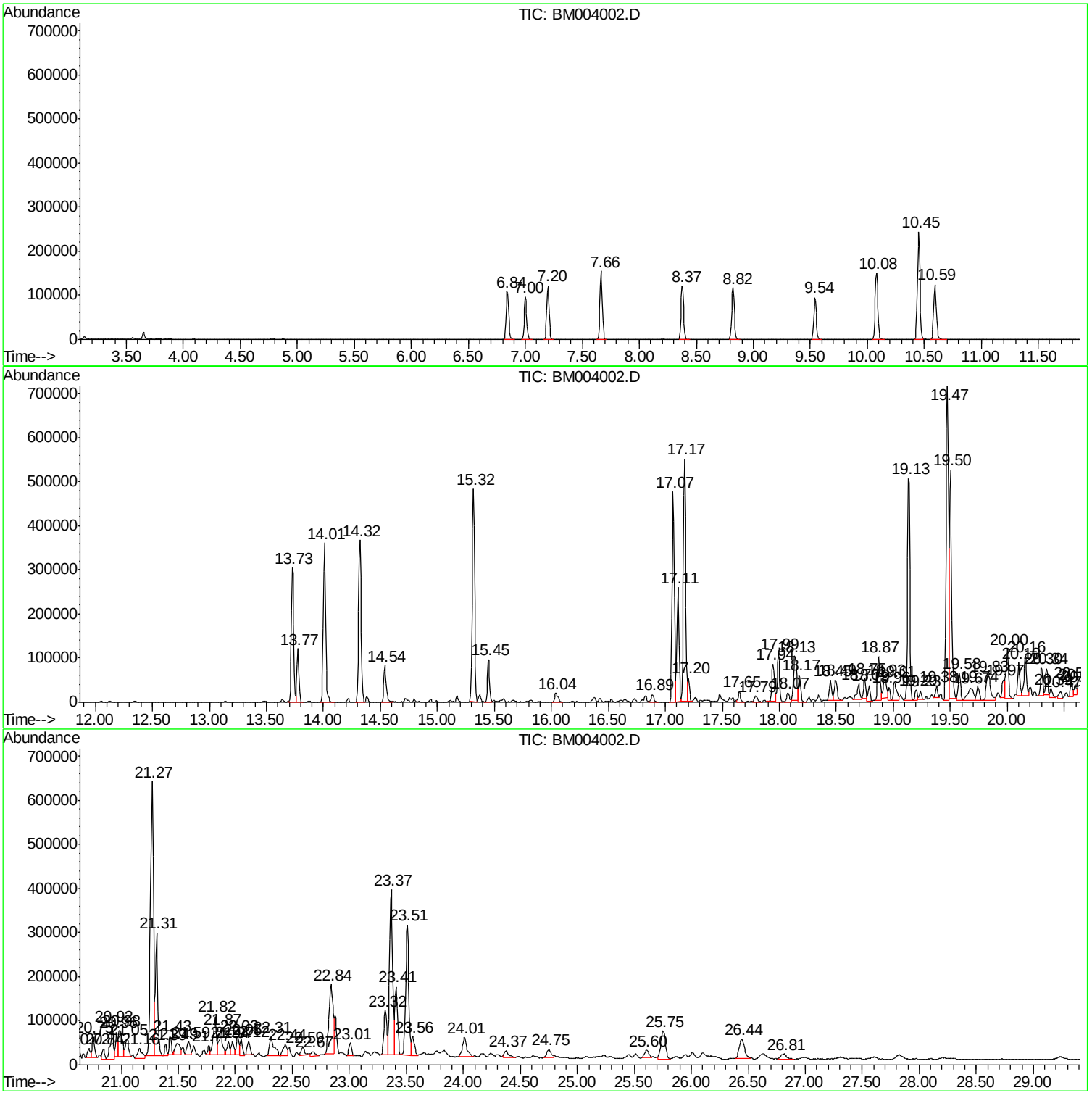
Sum of corrected areas: 17685087

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM011416\
Data File : BM004002.D
Acq On : 14 Jan 2016 02:16
Operator : SJ/UM
Sample : H1098-06
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
BC9D2

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 : BM004002.D
Acq On : 14 Jan 2016 02:16
Operator : SJ/UM
Sample : H1098-06
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BC9D2

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

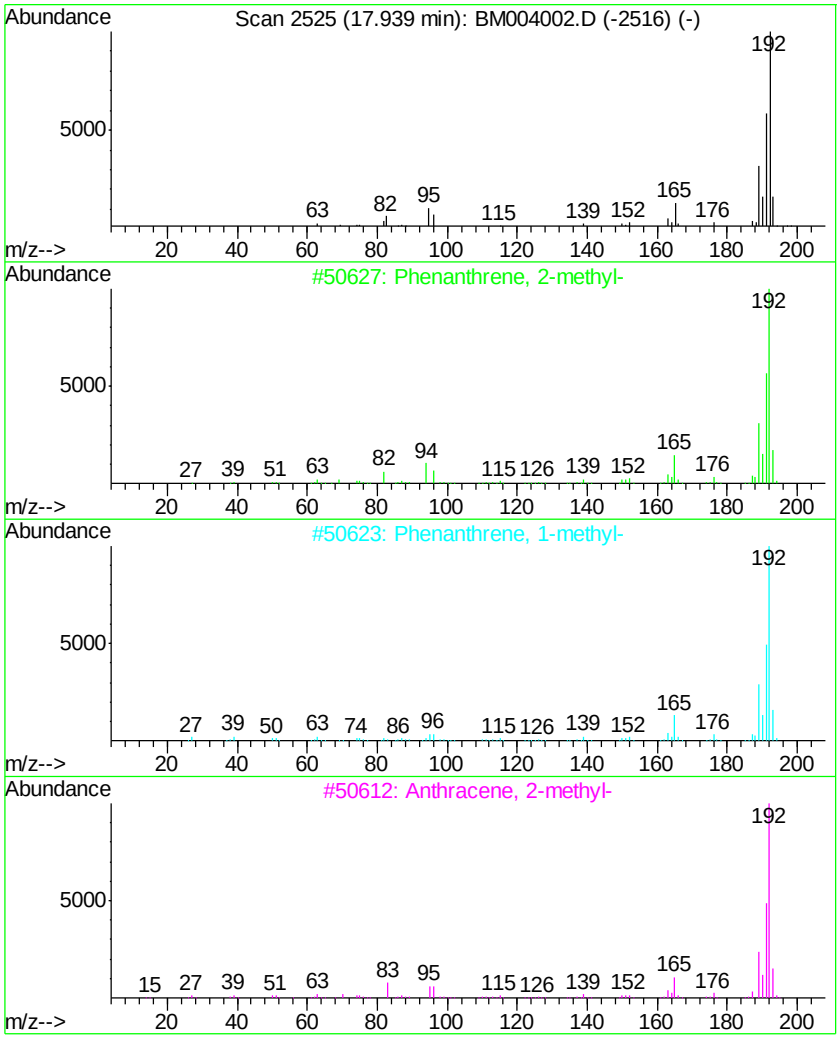
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

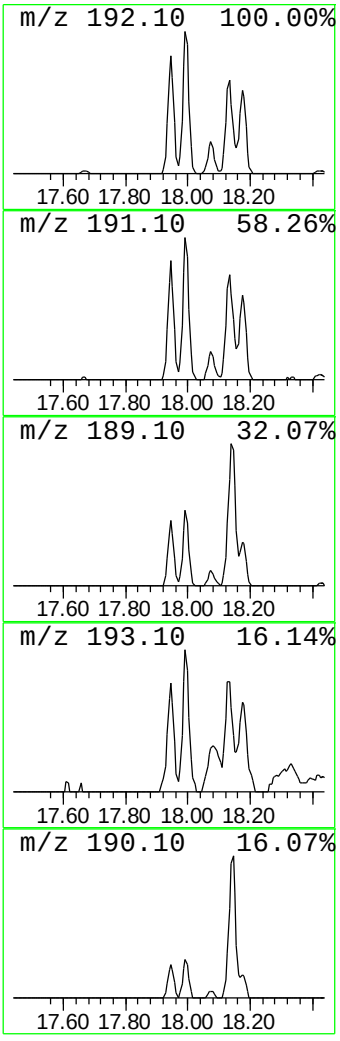
****

Peak Number 1 Phenanthrene, 2-methyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.94	3.93 ng/ul	132157	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	96
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
4	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
5	Anthracene, 9-methyl-	192	C15H12	000779-02-2	95





Data Path : Z:\HPCHEM1\BNA_M\DATA\BM011416\
Data File : BM004002.D
Acq On : 14 Jan 2016 02:16
Operator : SJ/UM
Sample : H1098-06
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BC9D2

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

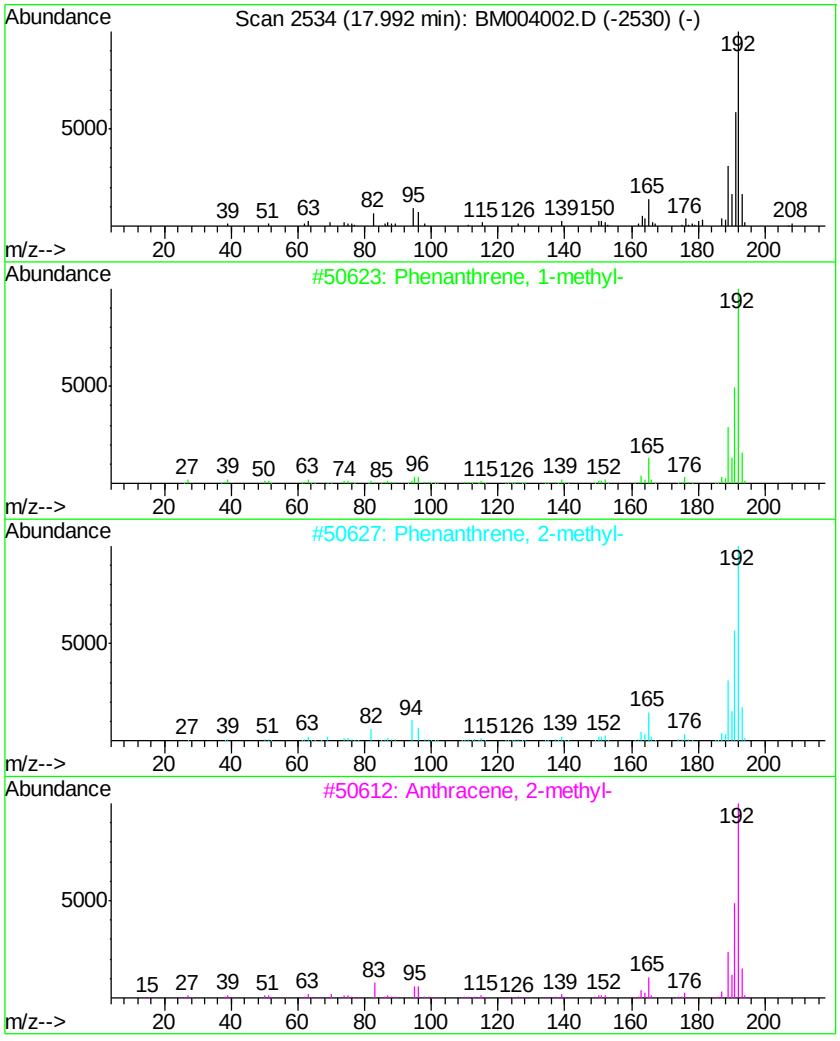
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

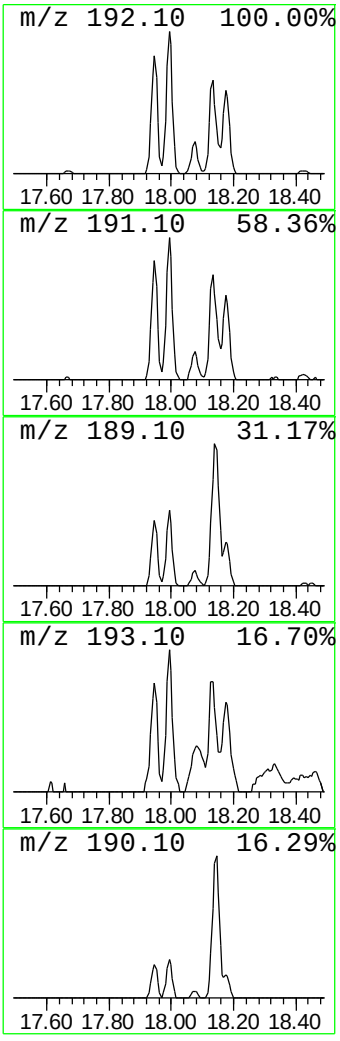
****

Peak Number 2 Phenanthrene, 1-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.99	4.57 ng/ul	153350	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	Anthracene, 2-methyl-	192	C15H12	000613-12-7	97
4	Anthracene, 1-methyl-	192	C15H12	000610-48-0	95
5	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	95





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM011416\
Data File : BM004002.D
Acq On : 14 Jan 2016 02:16
Operator : SJ/UM
Sample : H1098-06
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BC9D2

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

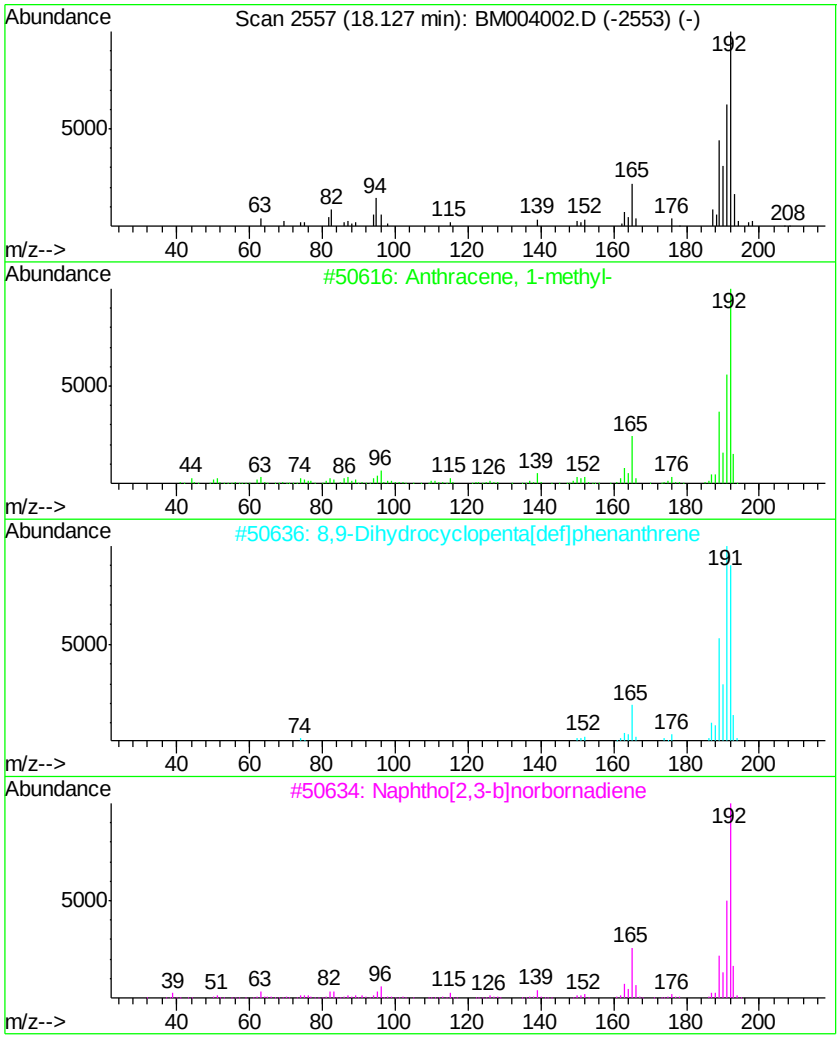
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

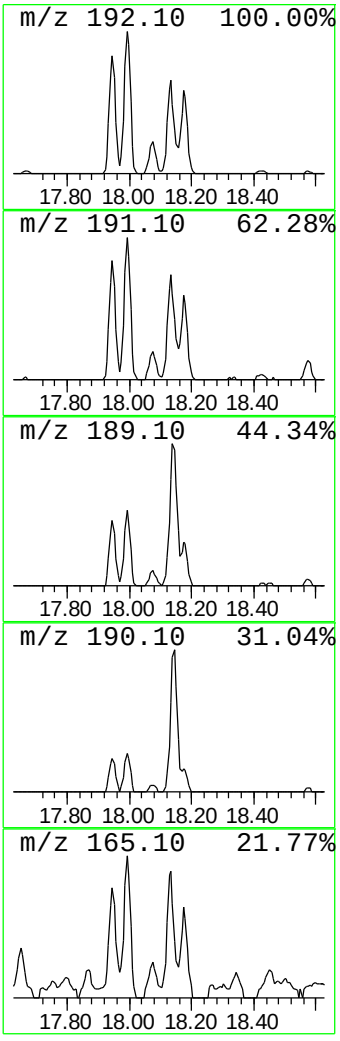
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.13	5.45 ng/ul	183212	Phenanthrene-d10	17.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 1-methyl-	192	C15H12	000610-48-0	70
2	8,9-Dihydrocyclopenta[def]phenan...	192	C15H12	027410-55-5	66
3	Naphtho[2,3-b]norbornadiene	192	C15H12	107426-38-0	60
4	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	60
5	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	60





Data Path : Z:\HPCHEM1\BNA_M\DATA\BM011416\
Data File : BM004002.D
Acq On : 14 Jan 2016 02:16
Operator : SJ/UM
Sample : H1098-06
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BC9D2

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

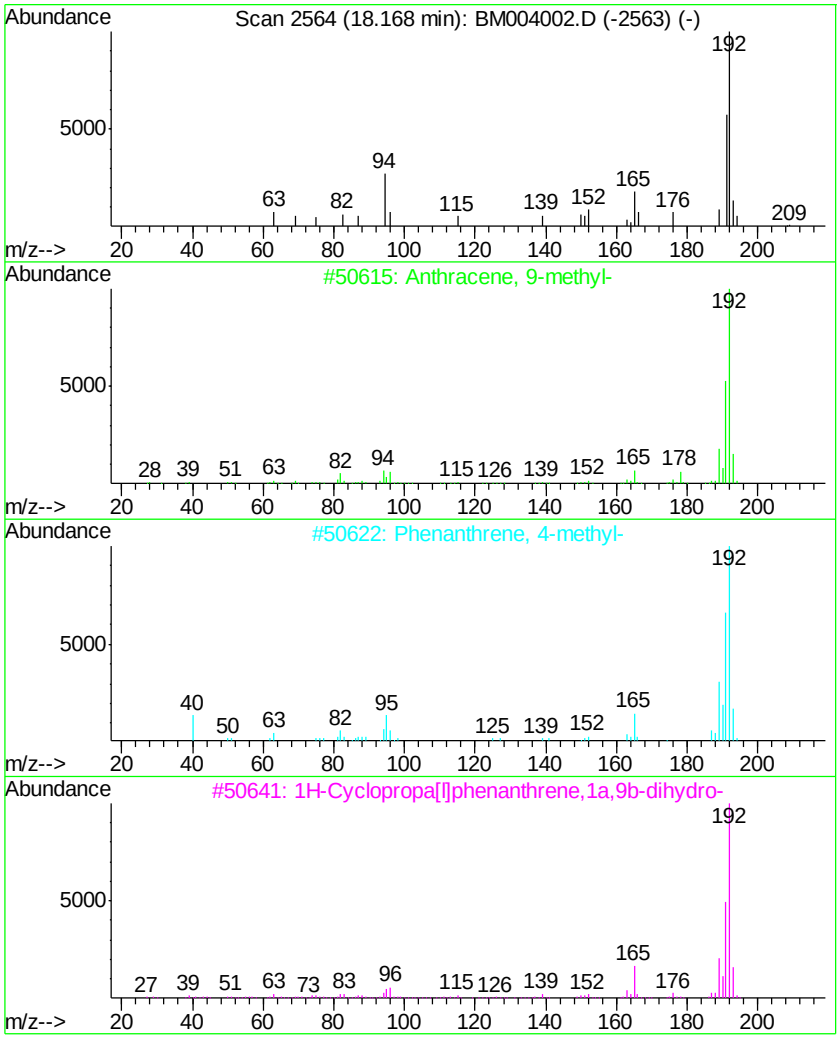
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

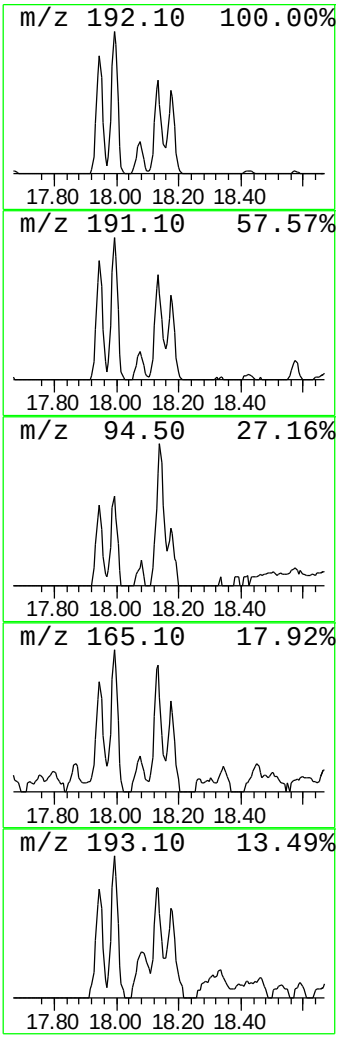
****

Peak Number 4 Anthracene, 9-methyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.17	2.33 ng/ul	78421	Phenanthrene-d10	17.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 9-methyl-	192	C15H12	000779-02-2	90
2	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	90
3	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	87
4	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	87
5	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	87





Data Path : Z:\HPCHEM1\BNA_M\DATA\BM011416\
Data File : BM004002.D
Acq On : 14 Jan 2016 02:16
Operator : SJ/UM
Sample : H1098-06
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BC9D2

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

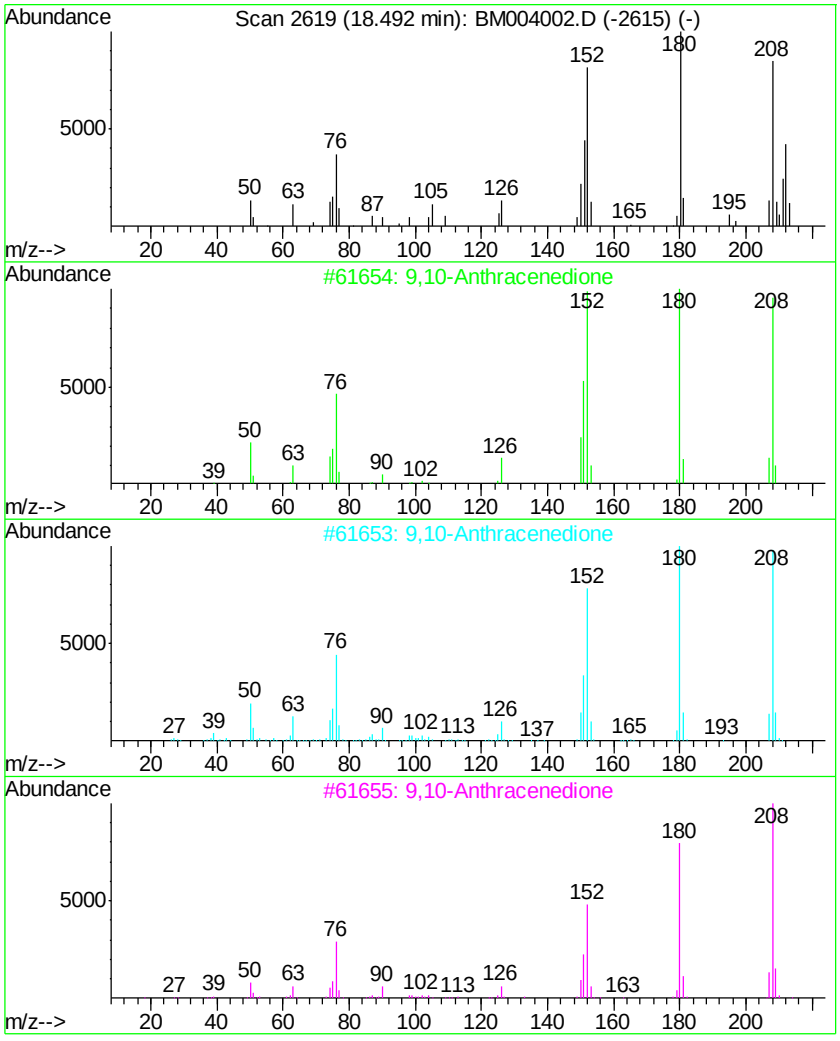
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

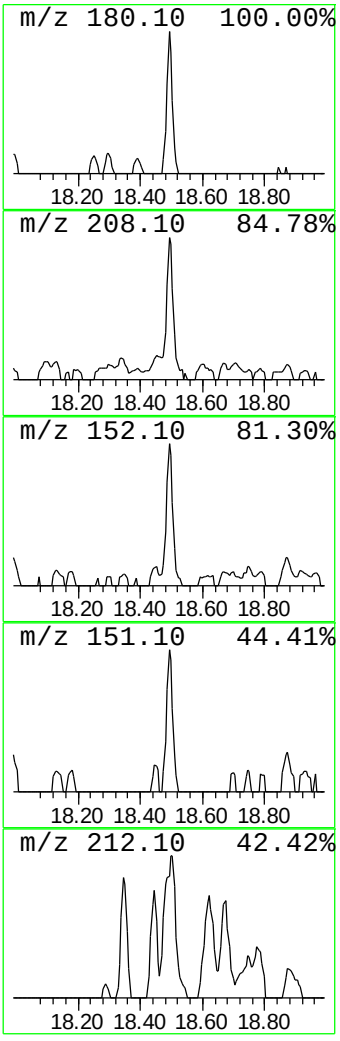
****

Peak Number 5 9,10-Anthracenedione Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.49	2.38 ng/ul	79856	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	95
3	9,10-Anthracenedione	208	C14H8O2	000084-65-1	90
4	9H-Fluoren-9-one	180	C13H8O	000486-25-9	78
5	Benzo[c]cinnoline	180	C12H8N2	000230-17-1	60





Data Path : Z:\HPCHEM1\BNA_M\DATA\BM011416\
Data File : BM004002.D
Acq On : 14 Jan 2016 02:16
Operator : SJ/UM
Sample : H1098-06
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BC9D2

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

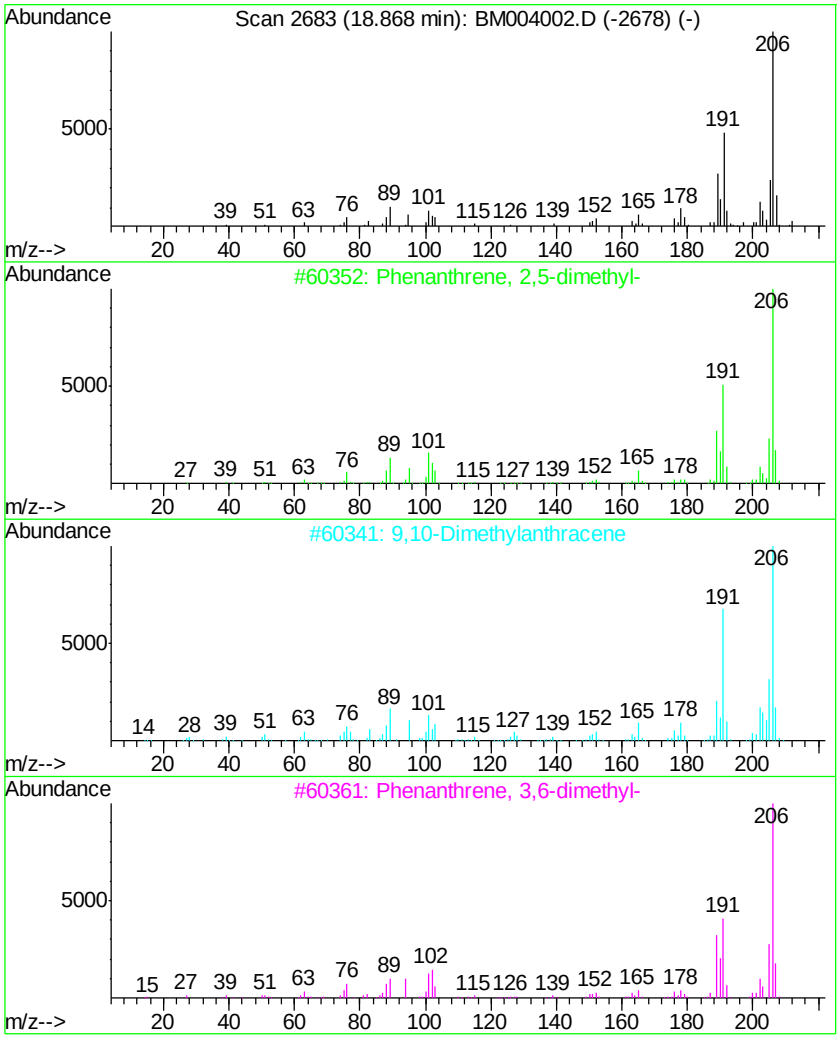
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

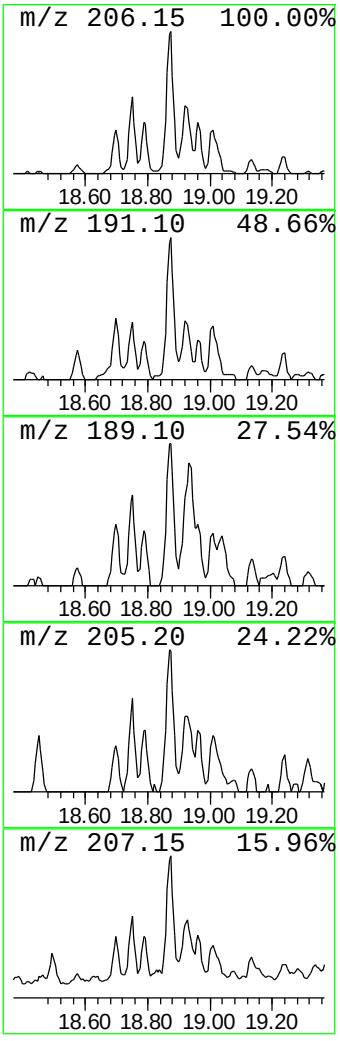
****

Peak Number 6 Phenanthrene, 2,5-dimethyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.87	4.93 ng/ul	165763	Phenanthrene-d10	17.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	97
2	9,10-Dimethylanthracene	206	C16H14	000781-43-1	93
3	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	93
4	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	93
5	9,10-Dimethylanthracene	206	C16H14	000781-43-1	91





Data Path : Z:\HPCHEM1\BNA_M\DATA\BM011416\
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Acq On : 14 Jan 2016 02:16
Operator : SJ/UM
Sample : H1098-06
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BC9D2

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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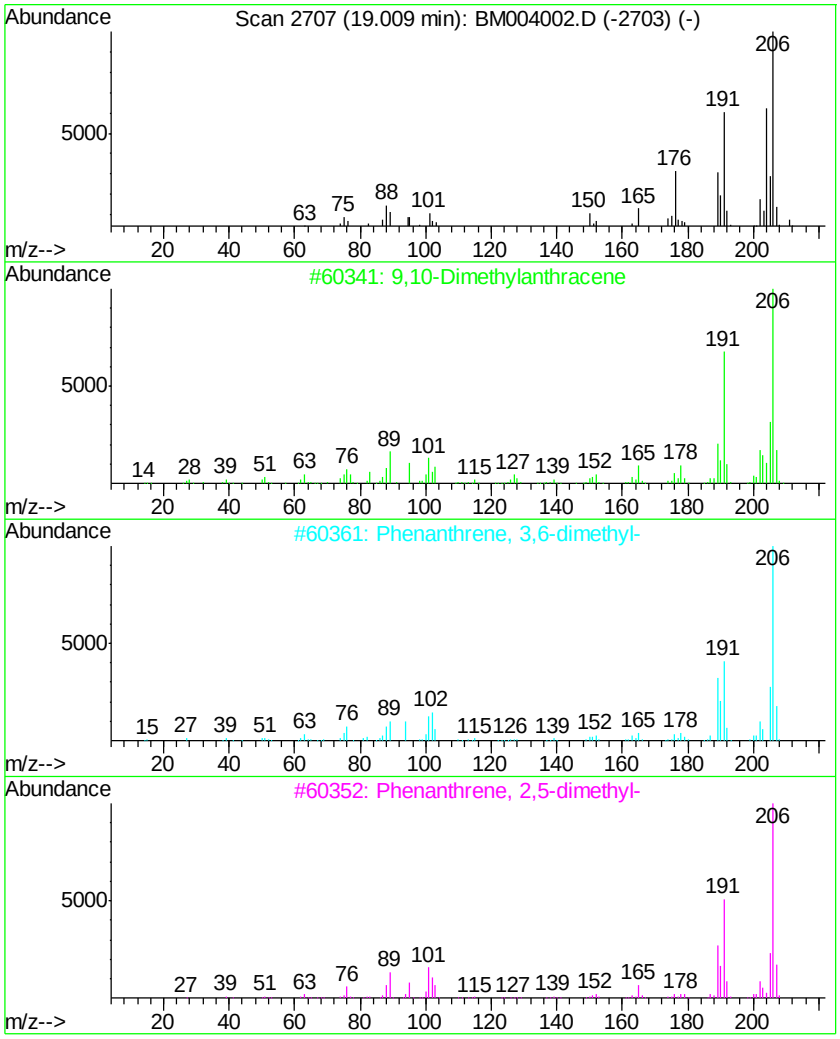
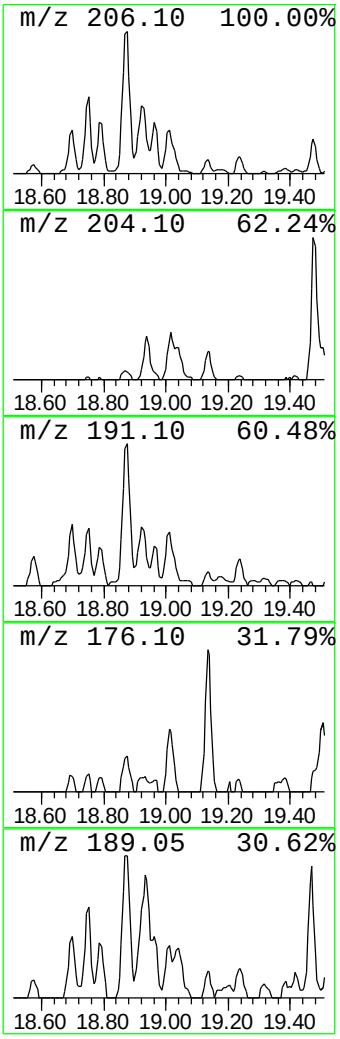
Peak Number 8 9,10-Dimethylanthracene Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.01	2.59 ng/ul	87155	Phenanthrene-d10	17.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Dimethylanthracene	206	C16H14	000781-43-1	93
2	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	83
3	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	70
4	9,10-Dimethylanthracene	206	C16H14	000781-43-1	64
5	Phenanthrene, 4,5-dimethyl-	206	C16H14	003674-69-9	64





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Acq On : 14 Jan 2016 02:16
Operator : SJ/UM
Sample : H1098-06
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BC9D2

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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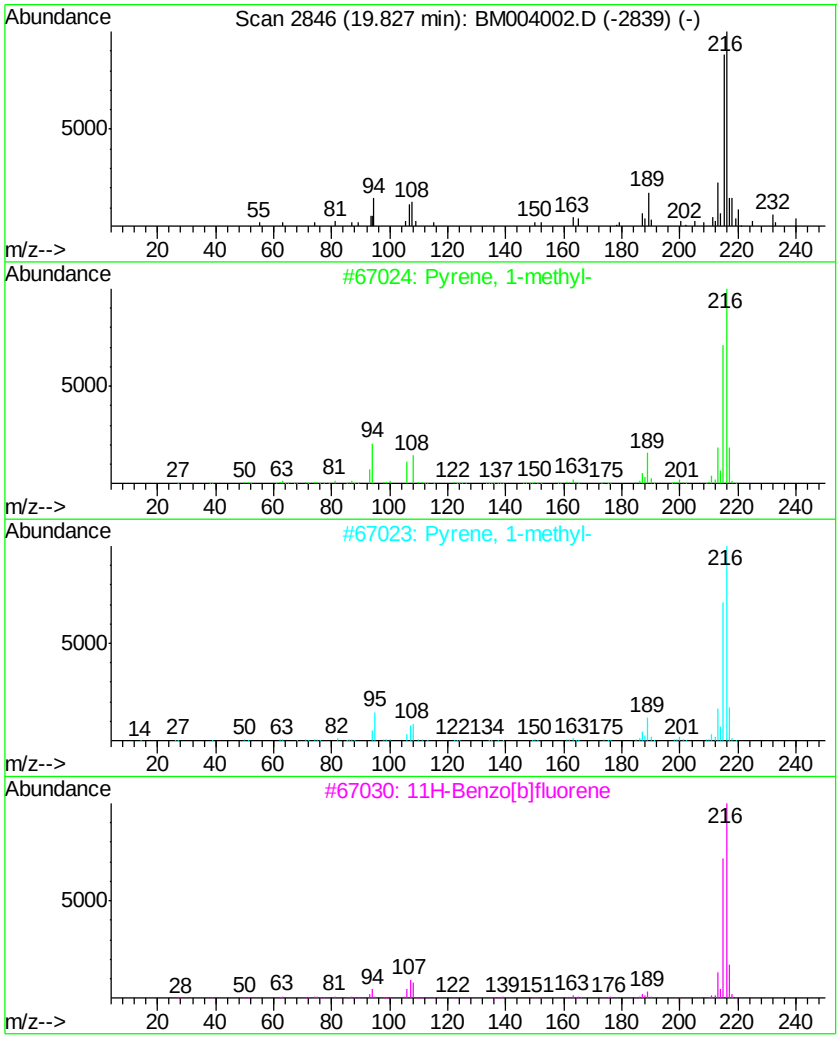
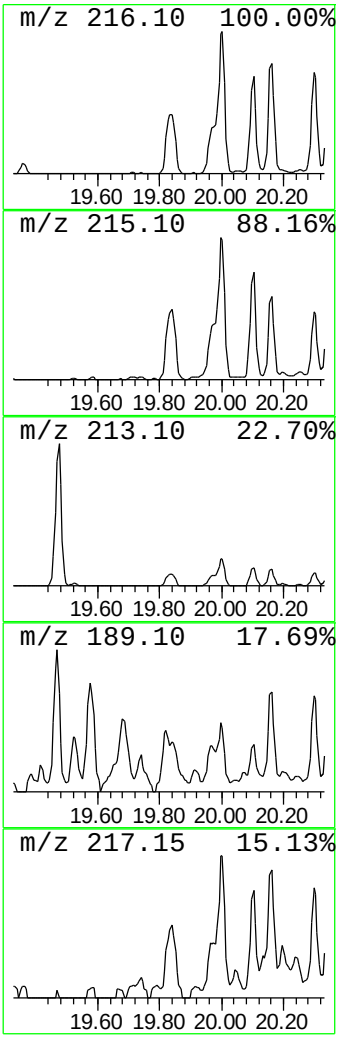
Peak Number 9 Pyrene, 1-methyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.83	2.64 ng/ul	154487	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	95
3	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	81
4	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	76
5	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	76





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Acq On : 14 Jan 2016 02:16
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Sample : H1098-06
Misc :
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Instrument : BNA_M
ClientSampleId : BC9D2

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

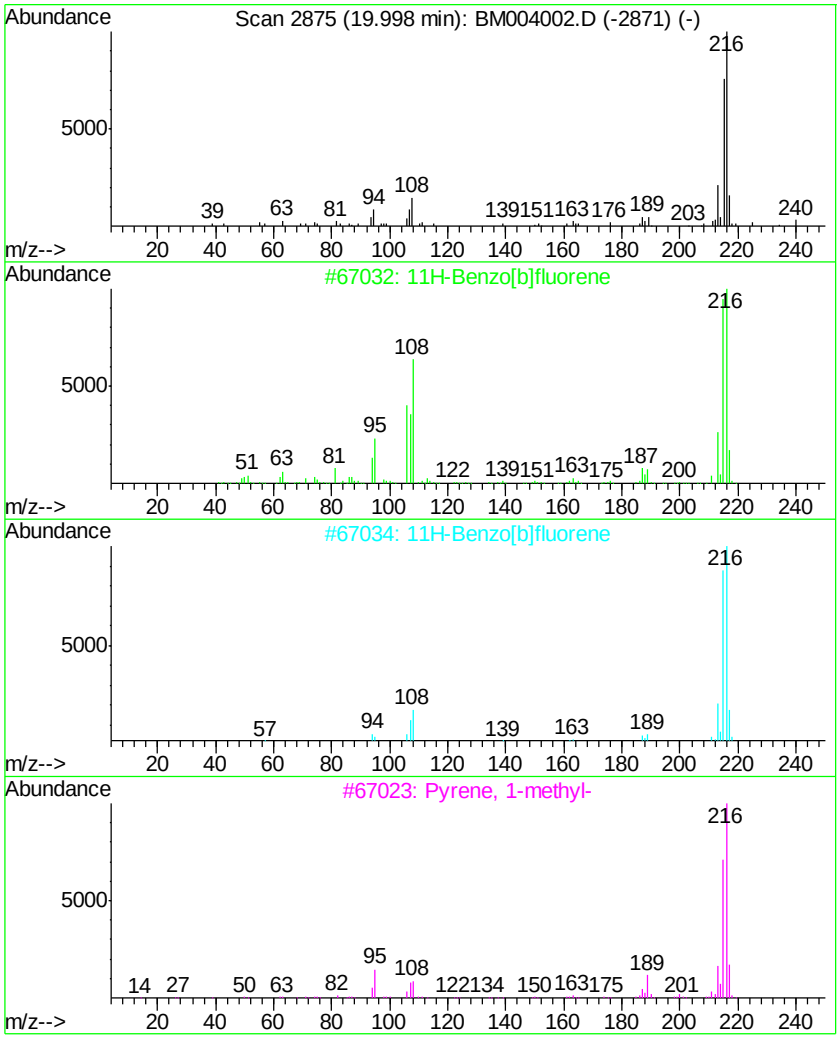
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

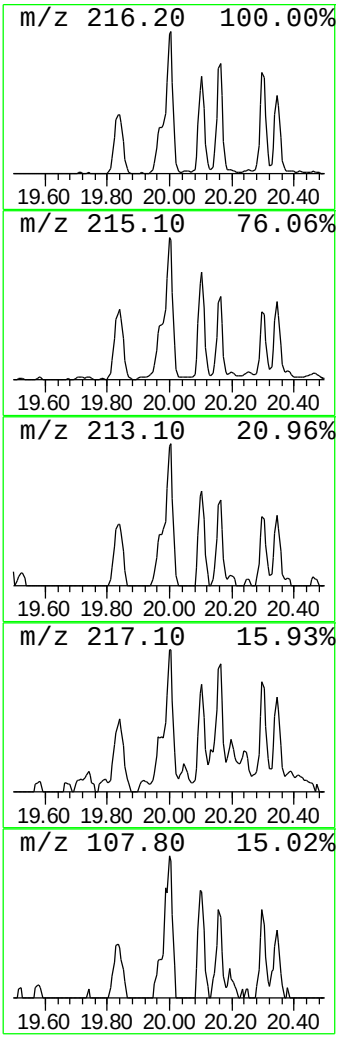
****

Peak Number 10 11H-Benzo[b]fluorene Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.00	3.00 ng/ul	175072	Chrysene-d12	21.27

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





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Acq On : 14 Jan 2016 02:16
Operator : SJ/UM
Sample : H1098-06
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BC9D2

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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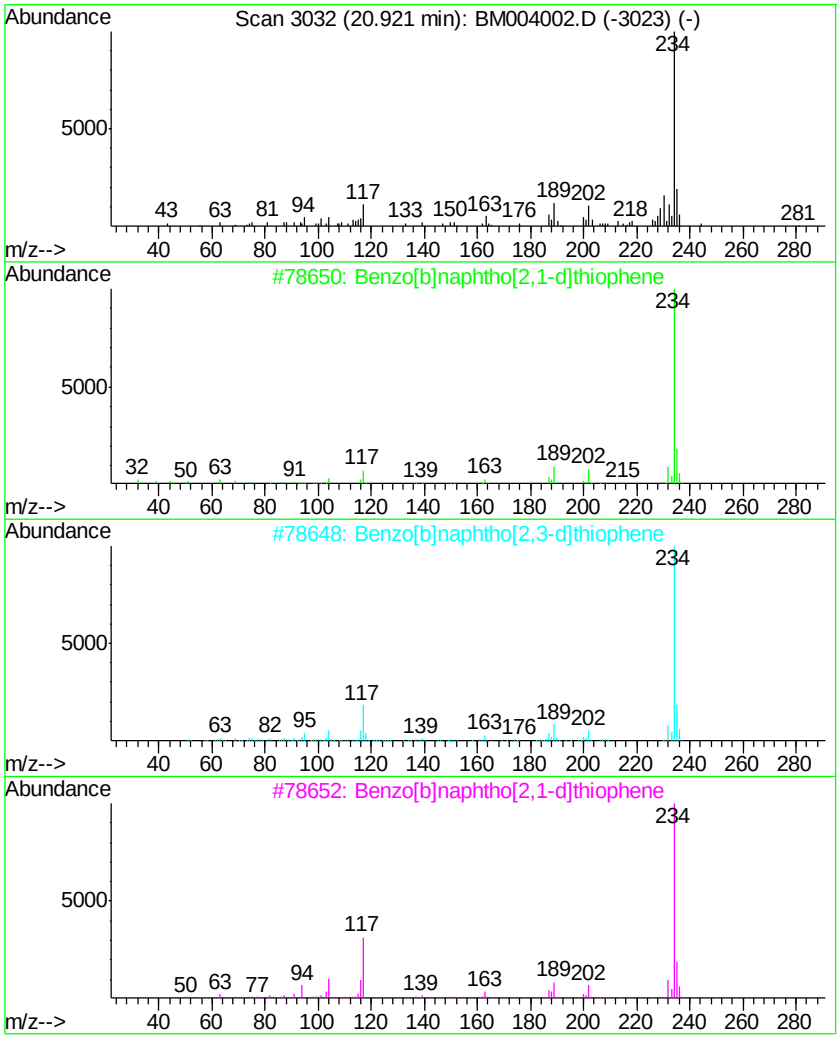
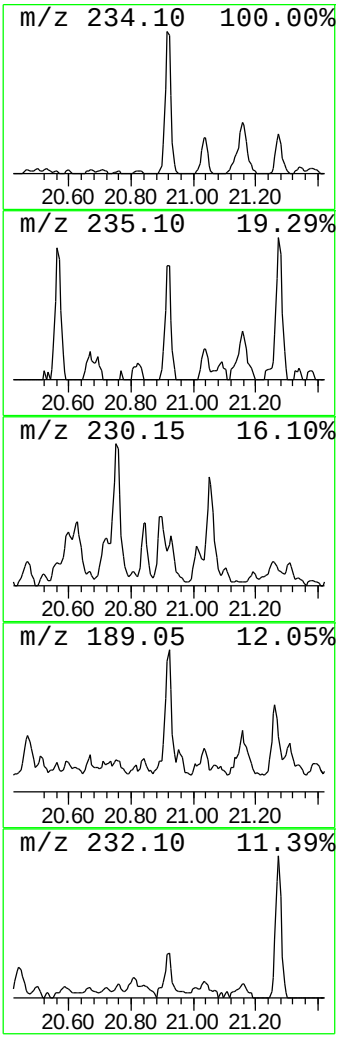
Peak Number 12 Benzo[b]naphtho[2,1-d]thiop... Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.92	2.42 ng/ul	141250	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[2,3-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	91
5	Benzo[b]naphtho[2,1-d]thiophene	234	C16H10S	000239-35-0	91





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Acq On : 14 Jan 2016 02:16
Operator : SJ/UM
Sample : H1098-06
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BC9D2

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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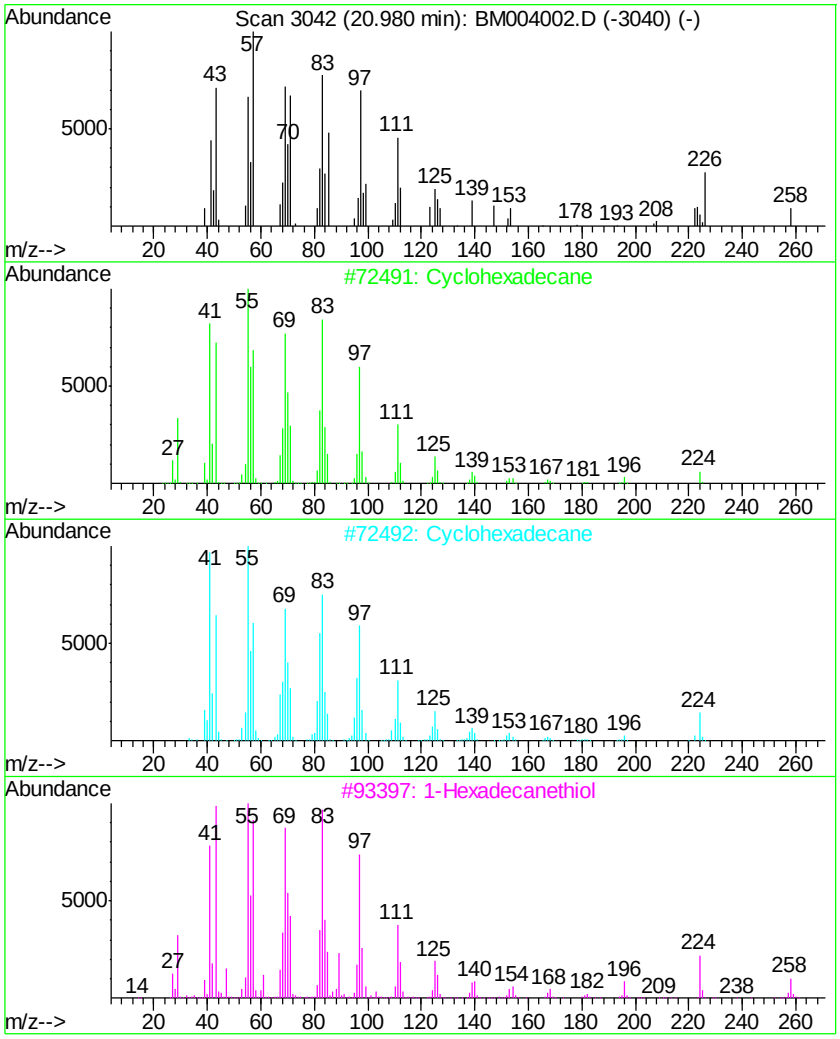
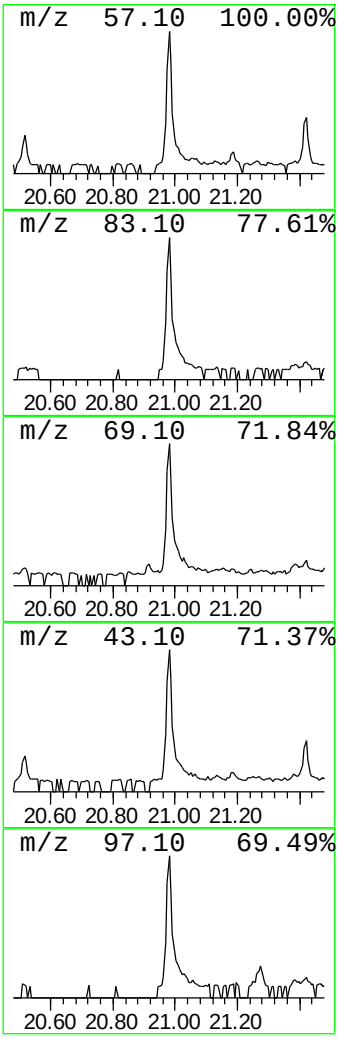
Peak Number 13 (DEL) Alkane: Cyclic20.98 Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.98	2.31 ng/ul	134863	Chrysene-d12	21.27

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexadecane	224	C16H32	000295-65-8	92
2	Cyclohexadecane	224	C16H32	000295-65-8	83
3	1-Hexadecanethiol	258	C16H34S	002917-26-2	78
4	Ethanol, 2-(tetradecyloxy)-	258	C16H34O2	002136-70-1	74
5	Heptafluorobutyric acid, n-octad...	466	C22H37F7O2	000400-57-7	70





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM011416\
Data File : BM004002.D
Acq On : 14 Jan 2016 02:16
Operator : SJ/UM
Sample : H1098-06
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BC9D2

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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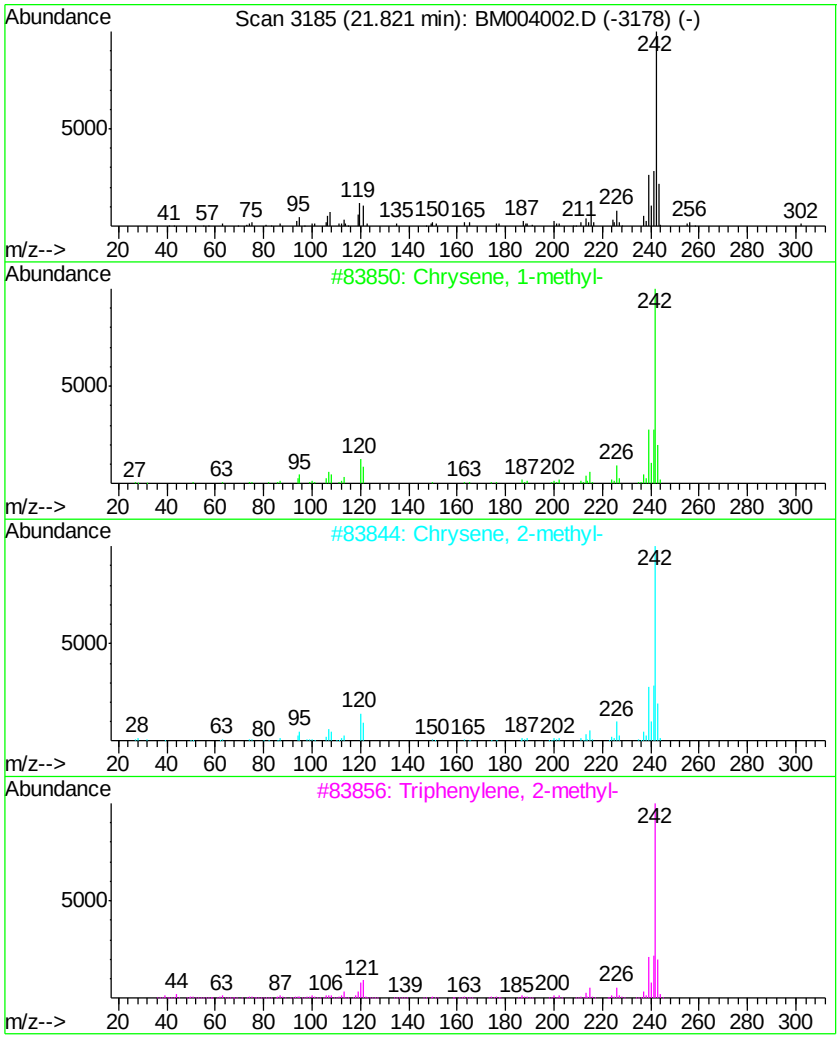
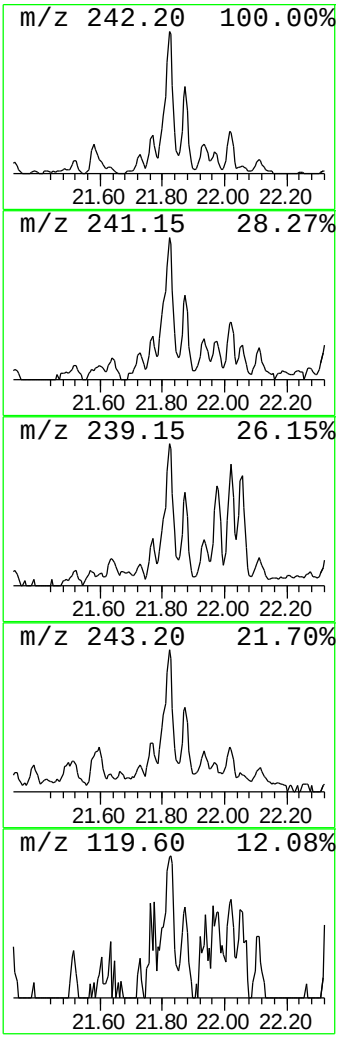
Peak Number 14 Chrysene, 1-methyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.82	2.66 ng/ul	155278	Chrysene-d12	21.27

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Chrysene, 1-methyl-	242	C19H14	003351-28-8	93
2	Chrysene, 2-methyl-	242	C19H14	003351-32-4	93
3	Triphenylene, 2-methyl-	242	C19H14	001705-84-6	93
4	Chrysene, 6-methyl-	242	C19H14	003697-24-3	90
5	Benz[a]anthracene, 7-methyl-	242	C19H14	002541-69-7	89





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Sample : H1098-06
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BC9D2

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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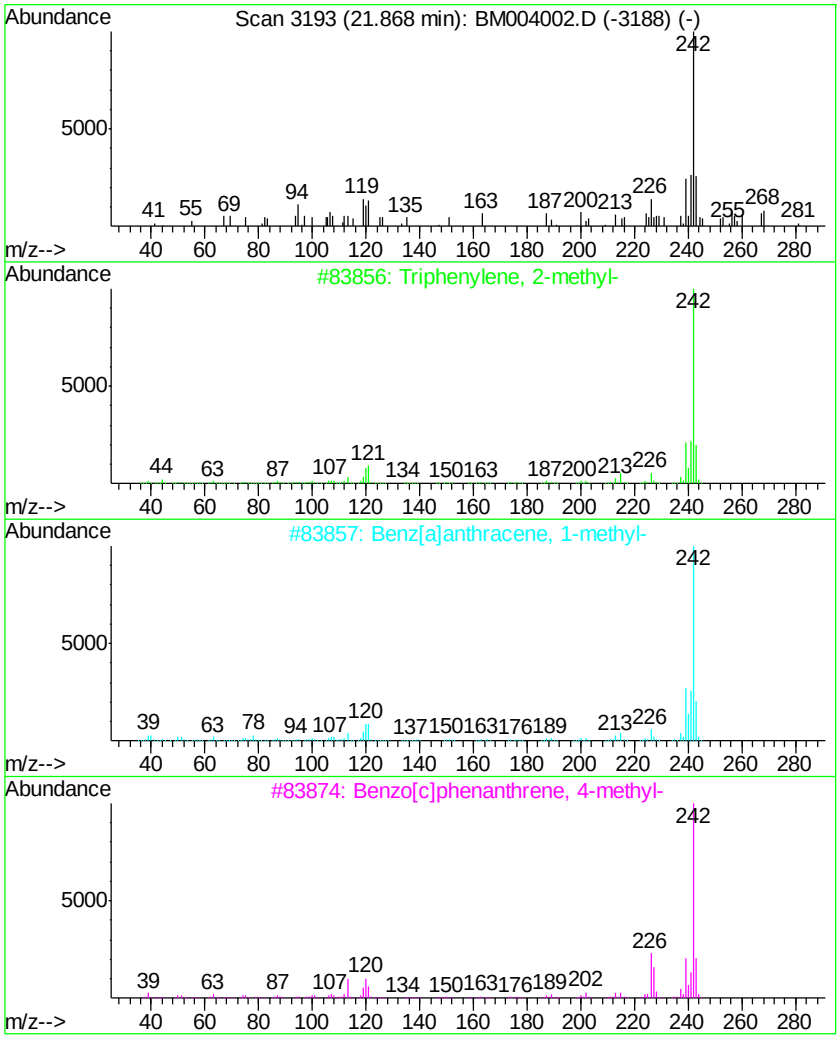
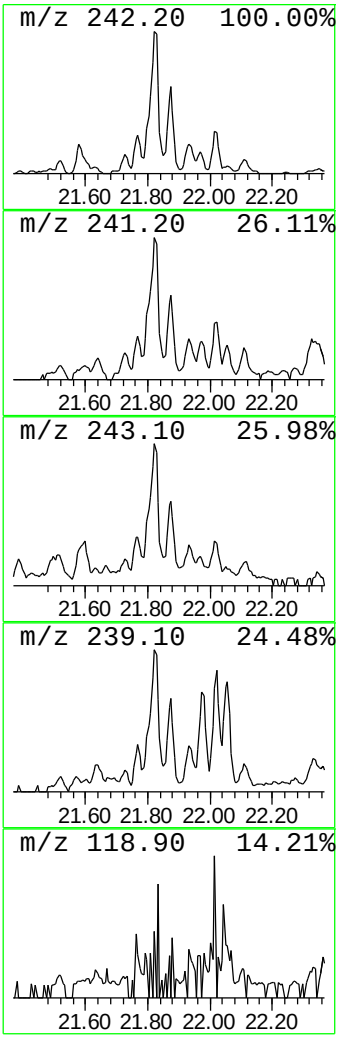
Peak Number 15 Triphenylene, 2-methyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.87	2.14 ng/ul	125241	Chrysene-d12	21.27

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Triphenylene, 2-methyl-	242	C19H14	001705-84-6	94
2	Benz[a]anthracene, 1-methyl-	242	C19H14	002498-77-3	92
3	Benzo[c]phenanthrene, 4-methyl-	242	C19H14	004076-40-8	83
4	Benzo[c]phenanthrene, 2-methyl-	242	C19H14	002606-85-1	83
5	Benz[a]anthracene, 9-methyl-	242	C19H14	002381-16-0	76





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Sample : H1098-06
Misc :
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Instrument : BNA_M
ClientSampleId : BC9D2

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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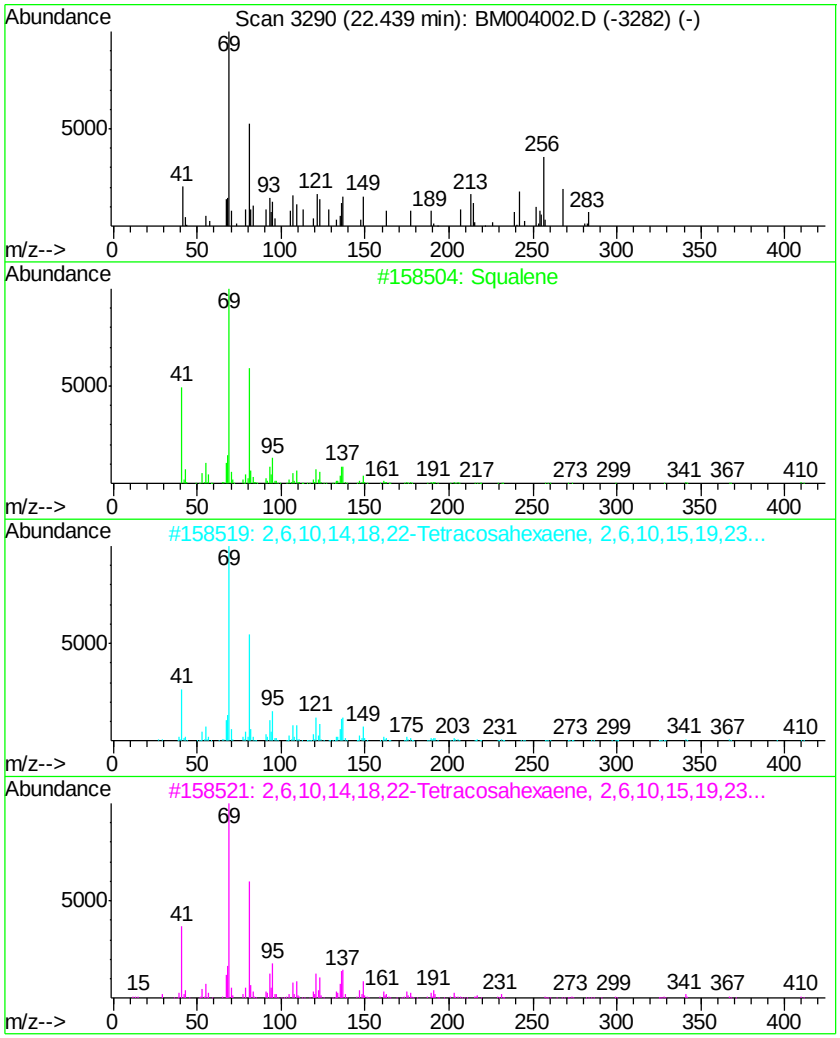
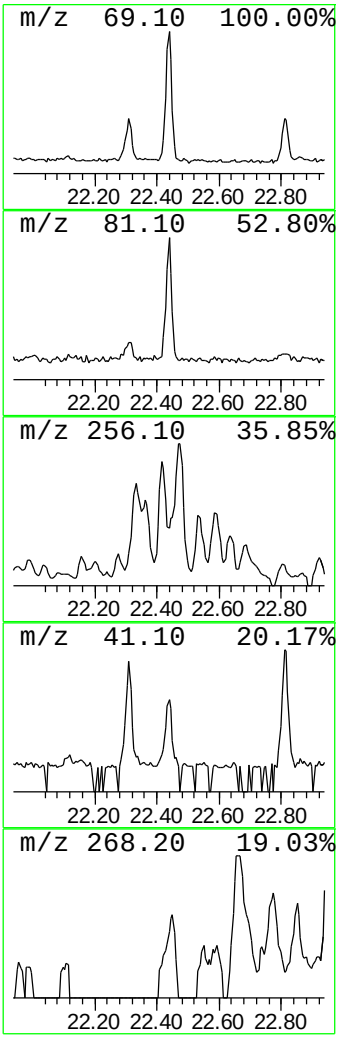
Peak Number 16 unknown-01 Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.44	2.02 ng/ul	57330	Perylene-d12	23.51

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Squalene	410	C30H50	007683-64-9	43
2	2,6,10,14,18,22-Tetracosahexaene...	410	C30H50	000111-02-4	43
3	2,6,10,14,18,22-Tetracosahexaene...	410	C30H50	000111-02-4	43
4	4,9,13,17-Tetramethyl-4,8,12,16-...	316	C22H36O	056882-09-8	38
5	Docosa-2,6,10,14,18-pentaen-22-a...	384	C27H44O	1000163-04-7	38





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Operator : SJ/UM
Sample : H1098-06
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BC9D2

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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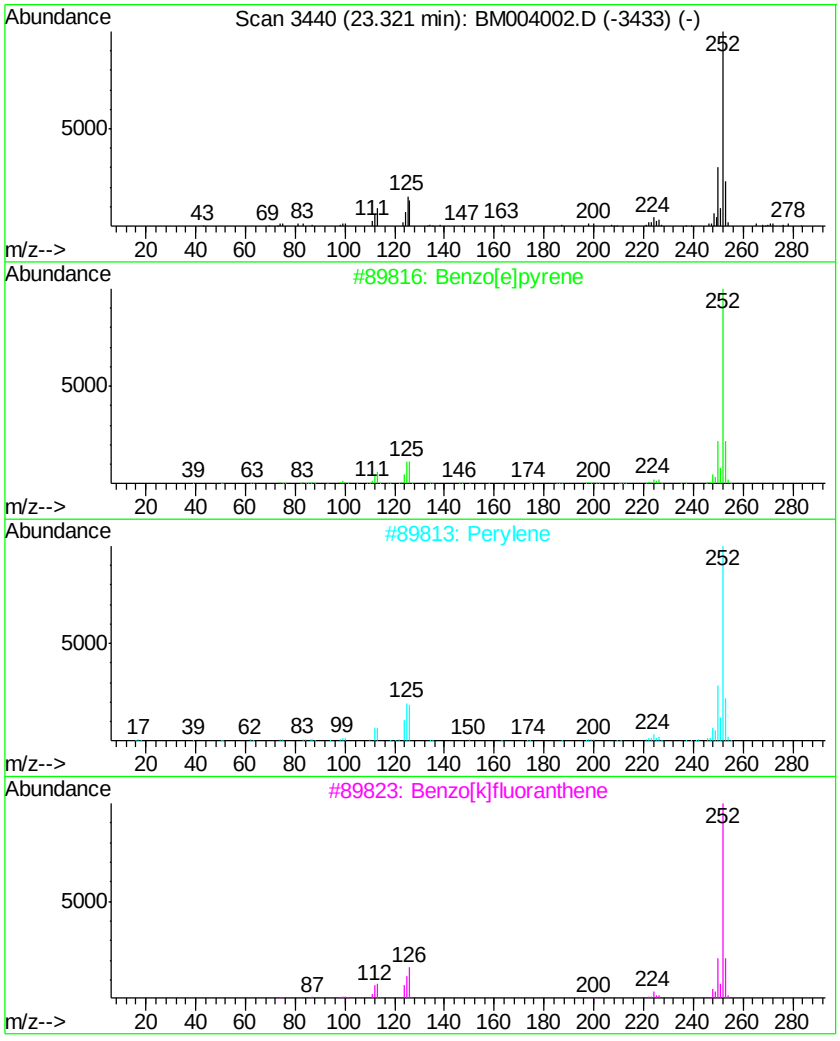
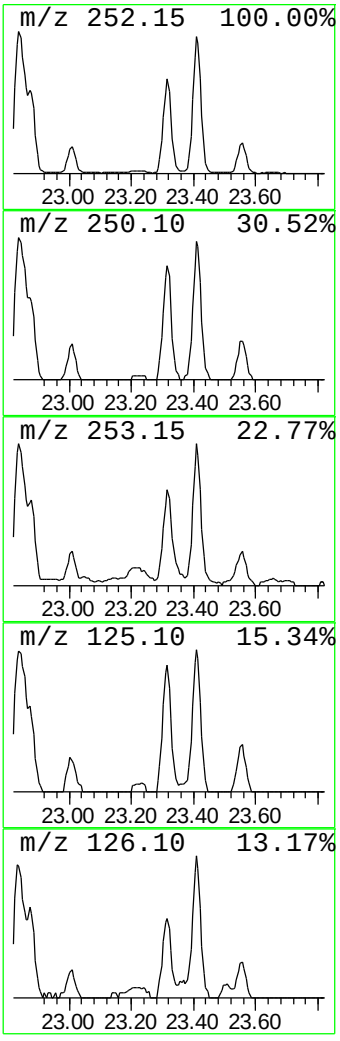
Peak Number 17 Benzo[e]pyrene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
23.32	6.77 ng/ul	191896	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	Perylene	252	C20H12	000198-55-0	97
5	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	96





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Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BC9D2

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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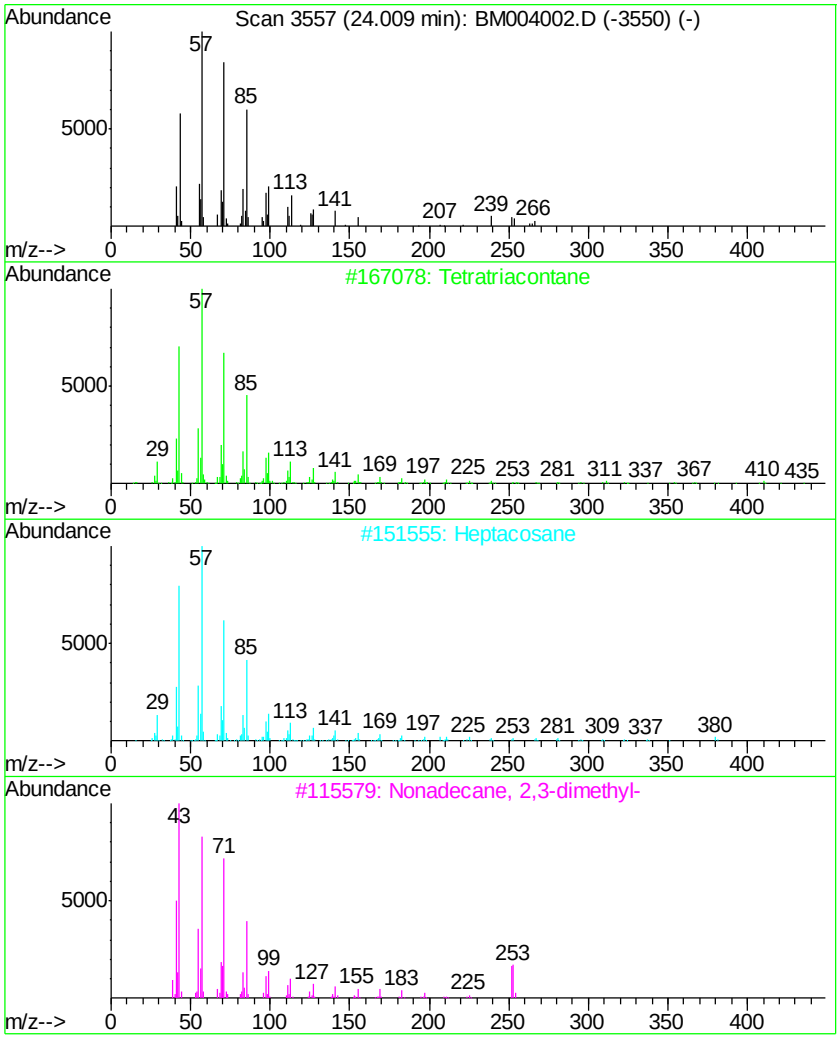
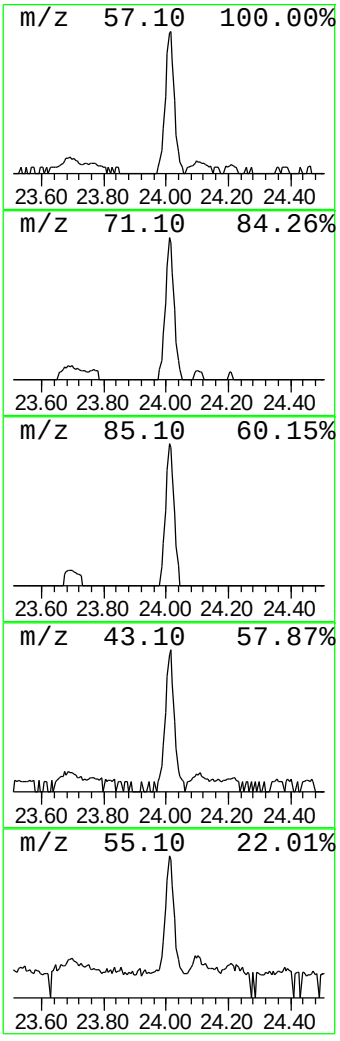
Peak Number 18 (DEL) Alkane: Straight-Chai... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
24.01	4.07 ng/ul	115456	Perylene-d12	23.51

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tetratriacontane	479	C34H70	014167-59-0	91
2	Heptacosane	380	C27H56	000593-49-7	91
3	Nonadecane, 2,3-dimethyl-	296	C21H44	075163-99-4	90
4	Hexatriacontane	507	C36H74	000630-06-8	90
5	Tetratetracontane	619	C44H90	007098-22-8	90





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM011416\
Data File : BM004002.D
Acq On : 14 Jan 2016 02:16
Operator : SJ/UM
Sample : H1098-06
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BC9D2

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
Phenanthrene, 2-m...	17.94	3.9	ng/ul	132157	4	17.07	671796	20.0
Phenanthrene, 1-m...	17.99	4.6	ng/ul	153350	4	17.07	671796	20.0
Anthracene, 1-met...	18.13	5.5	ng/ul	183212	4	17.07	671796	20.0
Anthracene, 9-met...	18.17	2.3	ng/ul	78421	4	17.07	671796	20.0
9,10-Anthracenedione	18.49	2.4	ng/ul	79856	4	17.07	671796	20.0
Phenanthrene, 2,5...	18.87	4.9	ng/ul	165763	4	17.07	671796	20.0
9,10-Dimethylanth...	19.01	2.6	ng/ul	87155	4	17.07	671796	20.0
Pyrene, 1-methyl-	19.83	2.6	ng/ul	154487	5	21.27	1168240	20.0
11H-Benzo[b]fluorene	20.00	3.0	ng/ul	175072	5	21.27	1168240	20.0
Benzo[b]naphtho[2...	20.92	2.4	ng/ul	141250	5	21.27	1168240	20.0
(DEL) Alkane: Cyc...	20.98	2.3	ng/ul	134863	5	21.27	1168240	20.0
Chrysene, 1-methyl-	21.82	2.7	ng/ul	155278	5	21.27	1168240	20.0
Triphenylene, 2-m...	21.87	2.1	ng/ul	125241	5	21.27	1168240	20.0
unknown-01	22.44	2.0	ng/ul	57330	6	23.51	567237	20.0
Benzo[e]pyrene	23.32	6.8	ng/ul	191896	6	23.51	567237	20.0
(DEL) Alkane: Str...	24.01	4.1	ng/ul	115456	6	23.51	567237	20.0