LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM011516\
Data File : BM004034.D
Acq On : 15 Jan 2016 04:53
Operator : SJ/UM
Sample : H1099-20
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BC9E6

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	6.845	633	639	649	rBB	100023	160896	12.58%	0.780%
2	6.998	660	665	674	rBB	82780	124157	9.71%	0.602%
3	7.198	693	699	707	rBB	109032	165276	12.93%	0.801%
4	7.663	772	778	785	rBB	145142	219241	17.15%	1.063%
5	8.375	894	899	909	rBB	119938	186723	14.60%	0.905%
6	8.822	969	975	983	rBB	102431	157684	12.33%	0.764%
7	9.539	1092	1097	1104	rBB	81608	129052	10.09%	0.626%
8	10.081	1183	1189	1198	rBV	130958	211775	16.56%	1.027%
9	10.451	1245	1252	1259	rBV	227692	365107	28.56%	1.770%
10	10.592	1270	1276	1291	rBB	94420	159323	12.46%	0.772%
11	13.727	1804	1809	1814	rVV	245188	342409	26.78%	1.660%
12	13.774	1814	1817	1824	rVB	115545	154488	12.08%	0.749%
13	14.010	1851	1857	1871	rBB	296554	449963	35.19%	2.181%
14	14.321	1903	1910	1917	rBV2	344084	508280	39.75%	2.464%
15	14.539	1941	1947	1957	rBV2	68834	116641	9.12%	0.565%
16	15.174	2051	2055	2062	rVB2	29230	38115	2.98%	0.185%
17	15.316	2070	2079	2084	rVV	391181	541970	42.39%	2.627%
18	15.368	2084	2088	2093	rVV2	27253	39104	3.06%	0.190%
19	15.451	2098	2102	2107	rBV2	55322	77194	6.04%	0.374%
20	16.039	2196	2202	2213	rVV2	39632	80082	6.26%	0.388%
21	16.380	2251	2260	2264	rBV4	25872	55715	4.36%	0.270%
22	16.427	2264	2268	2273	rVV2	23664	38136	2.98%	0.185%
23	16.827	2325	2336	2342	rBV5	20917	44116	3.45%	0.214%
24	16.892	2342	2347	2356	rVB	27370	45935	3.59%	0.223%
25	17.068	2372	2377	2381	rBV	399739	593399	46.41%	2.877%
26	17.115	2381	2385	2389	rVV	564247	774388	60.57%	3.754%
27	17.168	2389	2394	2398	rVV	417989	589809	46.13%	2.859%
28	17.204	2398	2400	2405	rVB	102757	113741	8.90%	0.551%
29	17.592	2463	2466	2470	rVB	33112	36901	2.89%	0.179%
30	17.651	2470	2476	2485	rVB2	44207	66829	5.23%	0.324%
31	17.792	2496	2500	2507	rVB	18504	32074	2.51%	0.155%
32	17.945	2521	2526	2531	rBV	199775	283634	22.18%	1.375%
33	17.998	2531	2535	2540	rVB	230140	319492	24.99%	1.549%
34	18.074	2543	2548	2553	rBV	54828	79945	6.25%	0.388%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM011516\
Data File : BM004034.D
Acq On : 15 Jan 2016 04:53
Operator : SJ/UM
Sample : H1099-20
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BC9E6

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	18.139	2553	2559	2563	rBV2	230895	413591	32.35%	2.005%
36	18.180	2563	2566	2573	rVB	165001	216266	16.91%	1.048%
37	18.451	2607	2612	2616	rVV	123688	158149	12.37%	0.767%
38	18.498	2616	2620	2630	rVB2	96778	151536	11.85%	0.735%
39	18.698	2651	2654	2658	rVV2	57508	82606	6.46%	0.400%
40	18.751	2659	2663	2666	rVV	56184	74212	5.80%	0.360%
41	18.792	2666	2670	2674	rVV2	35539	47157	3.69%	0.229%
42	18.874	2678	2684	2689	rVV	143092	247617	19.37%	1.200%
43	18.933	2689	2694	2698	rVV3	76573	174035	13.61%	0.844%
44	18.968	2698	2700	2703	rVV	44614	44291	3.46%	0.215%
45	19.015	2703	2708	2721	rVV4	82344	183733	14.37%	0.891%
46	19.139	2721	2729	2736	rBV	801300	1060401	82.93%	5.141%
47	19.203	2736	2740	2743	rVV	42379	51897	4.06%	0.252%
48	19.239	2743	2746	2751	rVB3	51480	67843	5.31%	0.329%
49	19.339	2757	2763	2767	rBV3	41711	66841	5.23%	0.324%
50	19.386	2767	2771	2774	rVV2	30089	41040	3.21%	0.199%
51	19.474	2781	2786	2788	rBV2	539642	734929	57.48%	3.563%
52	19.503	2788	2791	2799	rVB	891299	1278597	100.00%	6.199%
53	19.580	2799	2804	2810	rVB3	57749	88861	6.95%	0.431%
54	19.680	2815	2821	2827	rBV2	23021	48065	3.76%	0.233%
55	19.745	2828	2832	2837	rVB2	38121	56916	4.45%	0.276%
56	19.833	2841	2847	2858	rBV4	102190	247173	19.33%	1.198%
57	19.968	2865	2870	2872	rVV4	75464	121412	9.50%	0.589%
58	20.003	2872	2876	2881	rVB	158567	241632	18.90%	1.171%
59	20.103	2889	2893	2897	rVV	93896	128516	10.05%	0.623%
60	20.162	2898	2903	2907	rVV2	159504	236652	18.51%	1.147%
61	20.203	2907	2910	2914	rVV3	29418	44006	3.44%	0.213%
62	20.303	2922	2927	2931	rVV	118992	151670	11.86%	0.735%
63	20.350	2931	2935	2939	rVV	120312	160656	12.57%	0.779%
64	20.468	2951	2955	2959	rVB4	22017	33545	2.62%	0.163%
65	20.598	2974	2977	2980	rVV3	26632	43818	3.43%	0.212%
66	20.721	2993	2998	3000	rBV5	23189	38884	3.04%	0.189%
67	20.756	3000	3004	3010	rVB	100805	155051	12.13%	0.752%
68	20.921	3024	3032	3035	rBV3	84888	170700	13.35%	0.828%
69	20.956	3035	3038	3041	rVV	103299	138523	10.83%	0.672%
70	20.997	3041	3045	3050	rVV2	70718	139945	10.95%	0.678%
71	21.050	3050	3054	3061	rVB2	81650	138941	10.87%	0.674%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM011516\
Data File : BM004034.D
Acq On : 15 Jan 2016 04:53
Operator : SJ/UM
Sample : H1099-20
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BC9E6

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	21.162	3066	3073	3081	rBV4	30602	90535	7.08%	0.439%
73	21.274	3085	3092	3096	rVV2	565205	1205544	94.29%	5.844%
74	21.315	3096	3099	3109	rVB	414626	547369	42.81%	2.654%
75	21.433	3115	3119	3125	rVV2	53328	91130	7.13%	0.442%
76	21.486	3125	3128	3140	rVV8	34079	109208	8.54%	0.529%
77	21.592	3142	3146	3150	rVV3	23881	40170	3.14%	0.195%
78	21.639	3150	3154	3158	rVB2	25457	34606	2.71%	0.168%
79	21.768	3173	3176	3179	rBV2	30489	37339	2.92%	0.181%
80	21.827	3179	3186	3189	rBV	129262	195837	15.32%	0.949%
81	21.880	3191	3195	3201	rVB	66967	106178	8.30%	0.515%
82	21.944	3202	3206	3209	rBV2	33778	52208	4.08%	0.253%
83	22.021	3215	3219	3223	rBV2	70460	107304	8.39%	0.520%
84	22.121	3231	3236	3242	rVB2	44768	80548	6.30%	0.390%
85	22.315	3265	3269	3272	rBV4	28009	46285	3.62%	0.224%
86	22.444	3285	3291	3294	rBV3	22166	47421	3.71%	0.230%
87	22.592	3311	3316	3322	rVB4	28082	58865	4.60%	0.285%
88	22.844	3350	3359	3364	rBV	216685	539577	42.20%	2.616%
89	23.015	3383	3388	3396	rVB	44529	73656	5.76%	0.357%
90	23.321	3434	3440	3444	rBV	133197	245167	19.17%	1.189%
91	23.374	3444	3449	3452	rVV	270891	482809	37.76%	2.341%
92	23.415	3452	3456	3462	rVB	233869	408499	31.95%	1.980%
93	23.515	3466	3473	3478	rVV	258135	489050	38.25%	2.371%
94	23.562	3478	3481	3488	rVB2	58079	109942	8.60%	0.533%
95	24.750	3680	3683	3692	rVB6	17411	35300	2.76%	0.171%
96	25.762	3846	3855	3866	rVB	93312	273213	21.37%	1.325%
97	26.021	3893	3899	3906	rVB	19198	41789	3.27%	0.203%
98	26.115	3909	3915	3922	rVV2	15448	37063	2.90%	0.180%
99	26.456	3963	3973	3985	rVB	66789	208756	16.33%	1.012%
100	26.809	4029	4033	4044	rVB3	15639	50517	3.95%	0.245%

Sum of corrected areas: 20627186

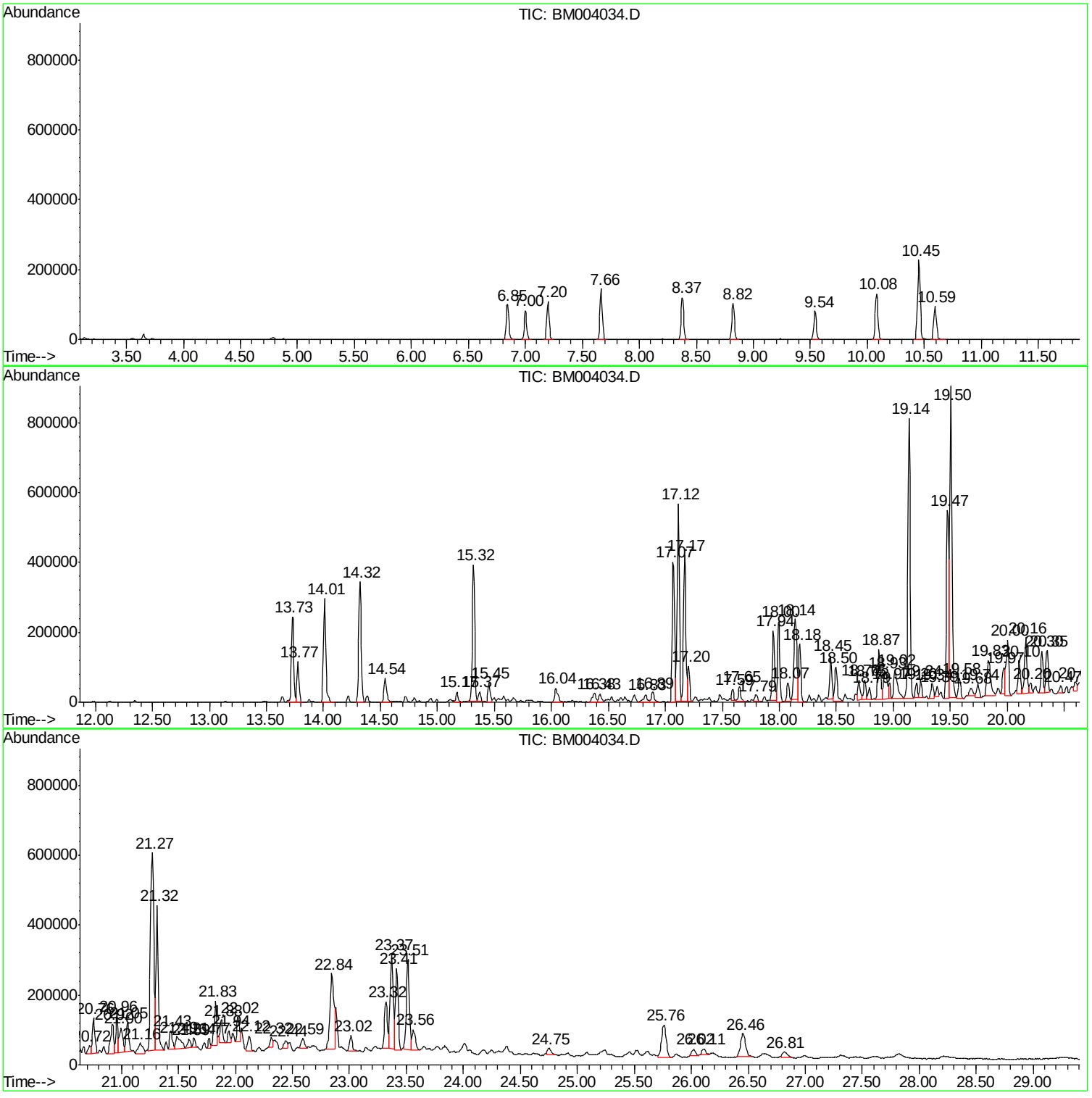
LSC Report - Integrated Chromatogram

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM011516\
Data File : BM004034.D
Acq On : 15 Jan 2016 04:53
Operator : SJ/UM
Sample : H1099-20
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BC9E6

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\BM011516\
Data File : BM004034.D
Acq On : 15 Jan 2016 04:53
Operator : SJ/UM
Sample : H1099-20
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BC9E6

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

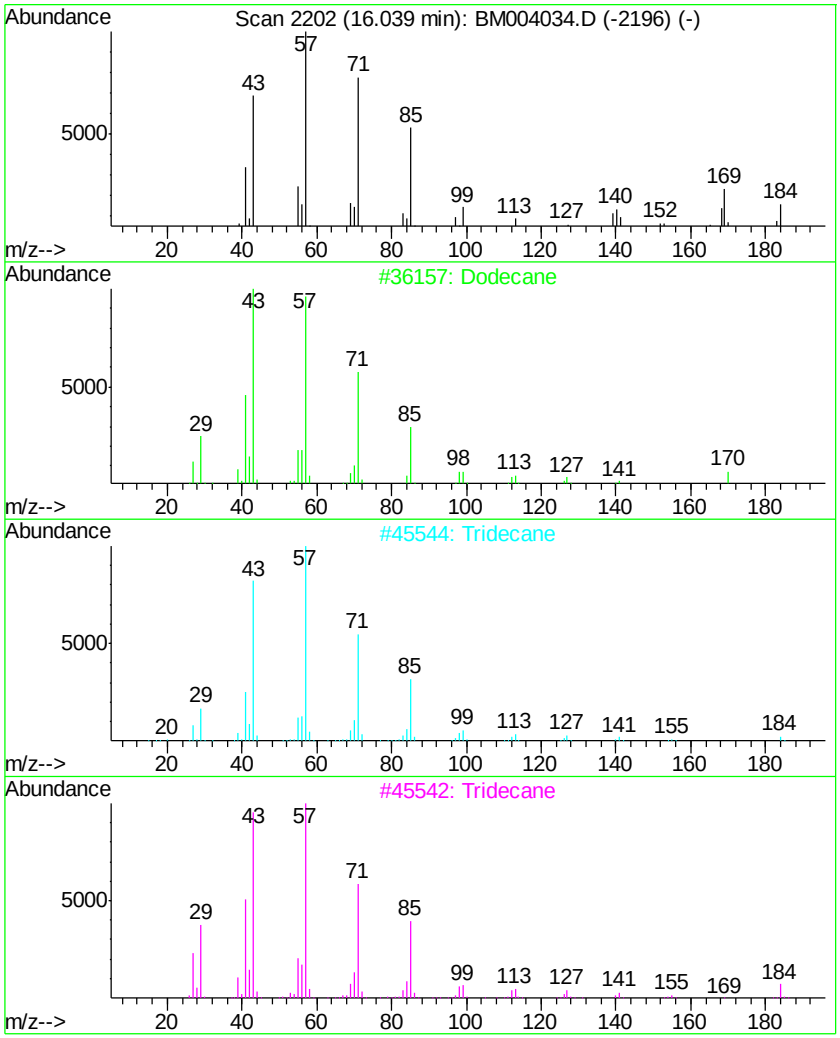
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

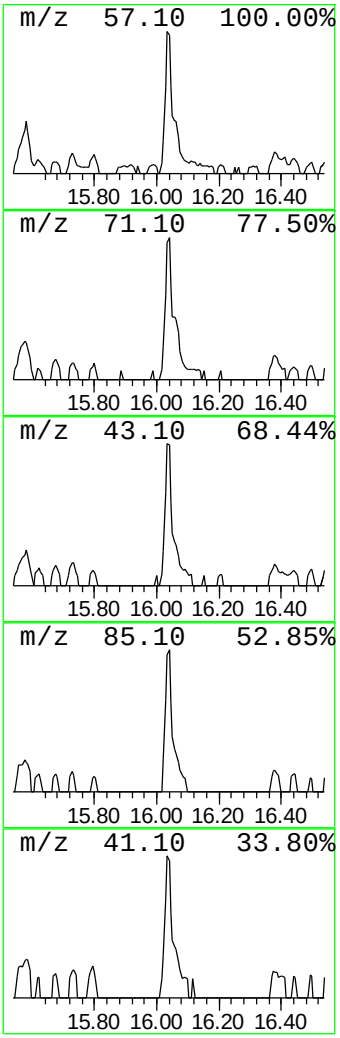
****

Peak Number 1 (DEL) Alkane: Straight-Chai... Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.04	2.70 ng/ul	80082	Phenanthrene-d10	17.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dodecane	170	C12H26	000112-40-3	64
2	Tridecane	184	C13H28	000629-50-5	62
3	Tridecane	184	C13H28	000629-50-5	58
4	Tridecane	184	C13H28	000629-50-5	58
5	10-Methylnonadecane	282	C20H42	056862-62-5	53





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM011516\
Data File : BM004034.D
Acq On : 15 Jan 2016 04:53
Operator : SJ/UM
Sample : H1099-20
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BC9E6

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

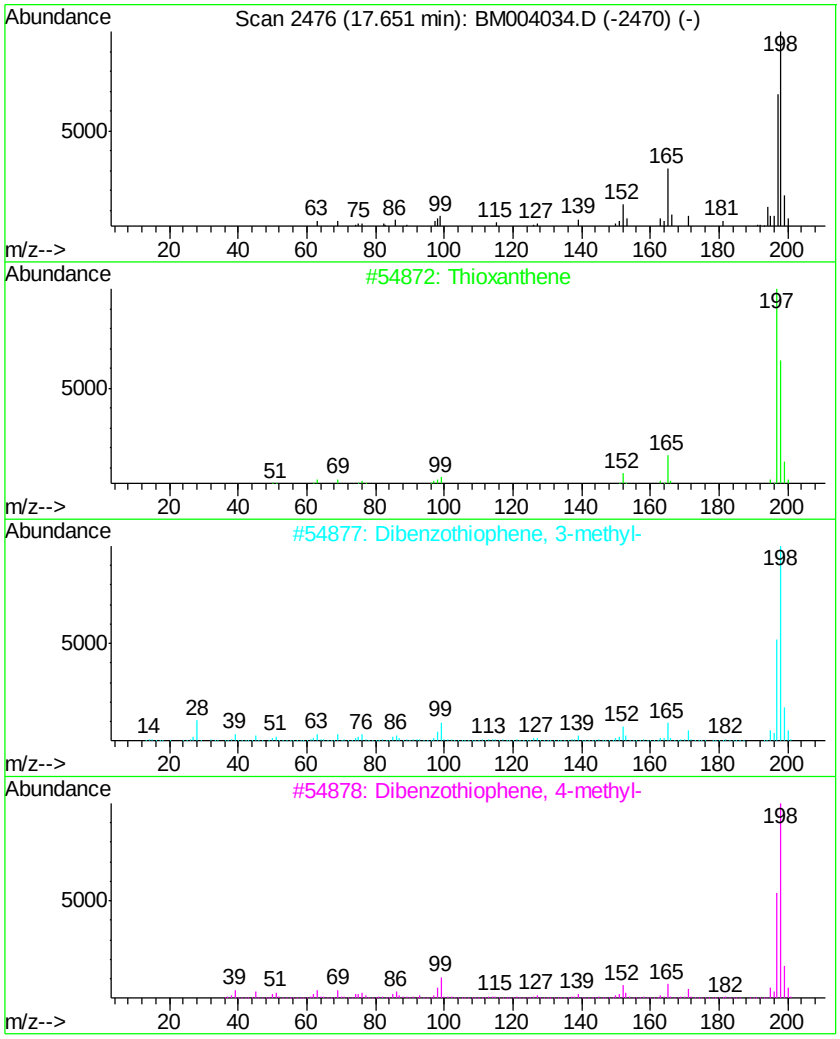
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

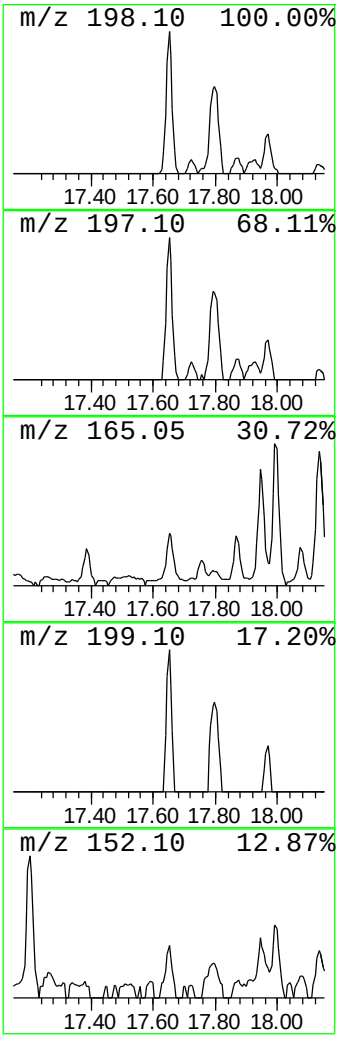
****

Peak Number 2 Thioxanthene Concentration Rank 28

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.65	2.25 ng/ul	66829	Phenanthrene-d10	17.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Thioxanthene	198	C13H10S	000261-31-4	93
2	Dibenzothiophene, 3-methyl-	198	C13H10S	016587-52-3	87
3	Dibenzothiophene, 4-methyl-	198	C13H10S	007372-88-5	87
4	Benzenamine, 4,4'-methylenebis-	198	C13H14N2	000101-77-9	68
5	Benzenamine, 4,4'-methylenebis-	198	C13H14N2	000101-77-9	64





Data Path : Z:\HPCHEM1\BNA_M\DATA\BM011516\
Data File : BM004034.D
Acq On : 15 Jan 2016 04:53
Operator : SJ/UM
Sample : H1099-20
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BC9E6

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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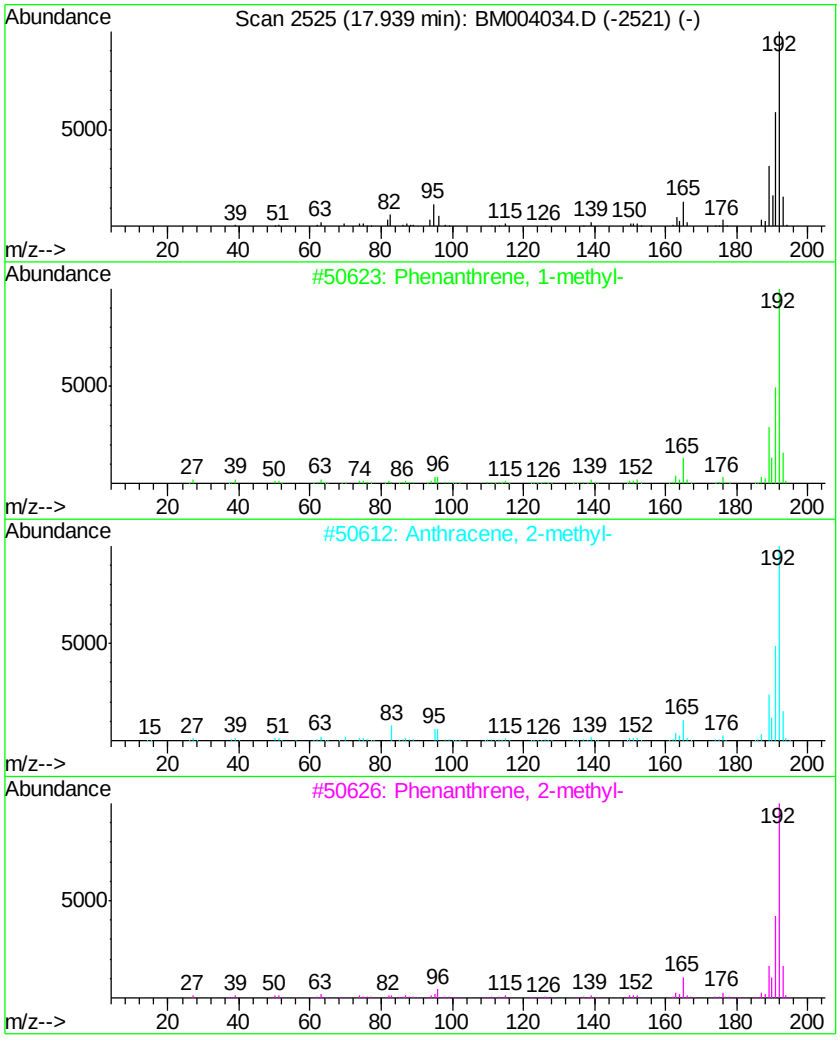
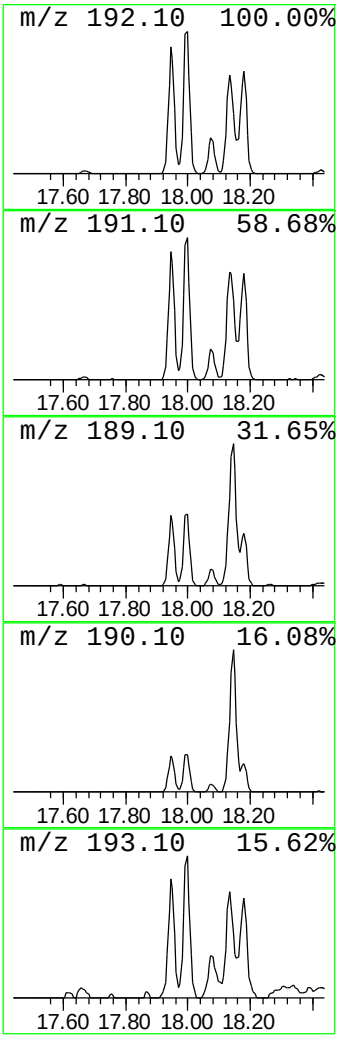
Peak Number 3 Phenanthrene, 1-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.94	9.56 ng/ul	283634	Phenanthrene-d10	17.07

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





Data Path : Z:\HPCHEM1\BNA_M\DATA\BM011516\
Data File : BM004034.D
Acq On : 15 Jan 2016 04:53
Operator : SJ/UM
Sample : H1099-20
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BC9E6

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

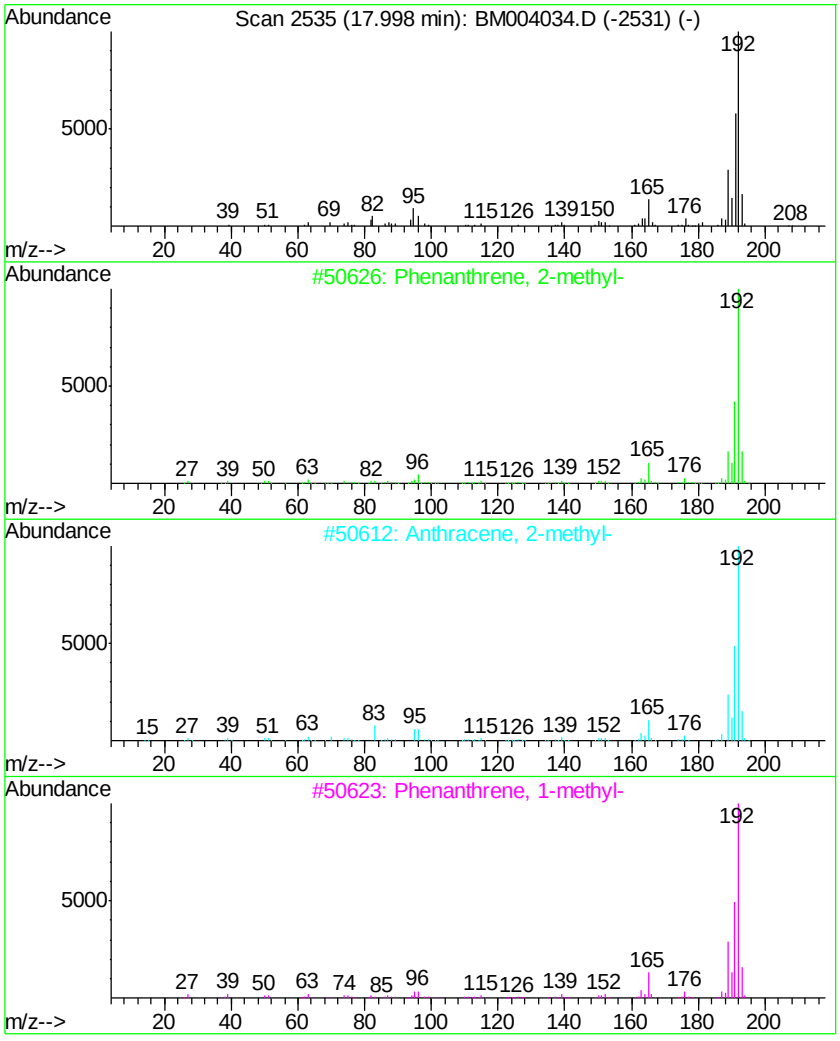
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

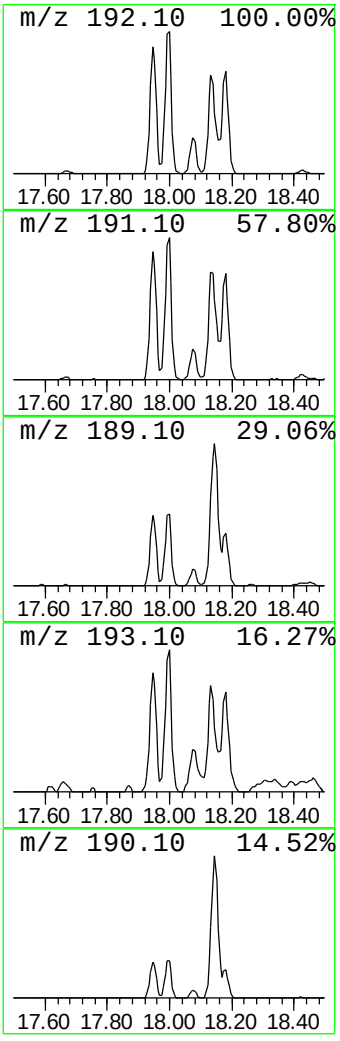
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.00	10.77 ng/ul	319492	Phenanthrene-d10	17.07

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





Data Path : Z:\HPCHEM1\BNA_M\DATA\BM011516\
Data File : BM004034.D
Acq On : 15 Jan 2016 04:53
Operator : SJ/UM
Sample : H1099-20
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BC9E6

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

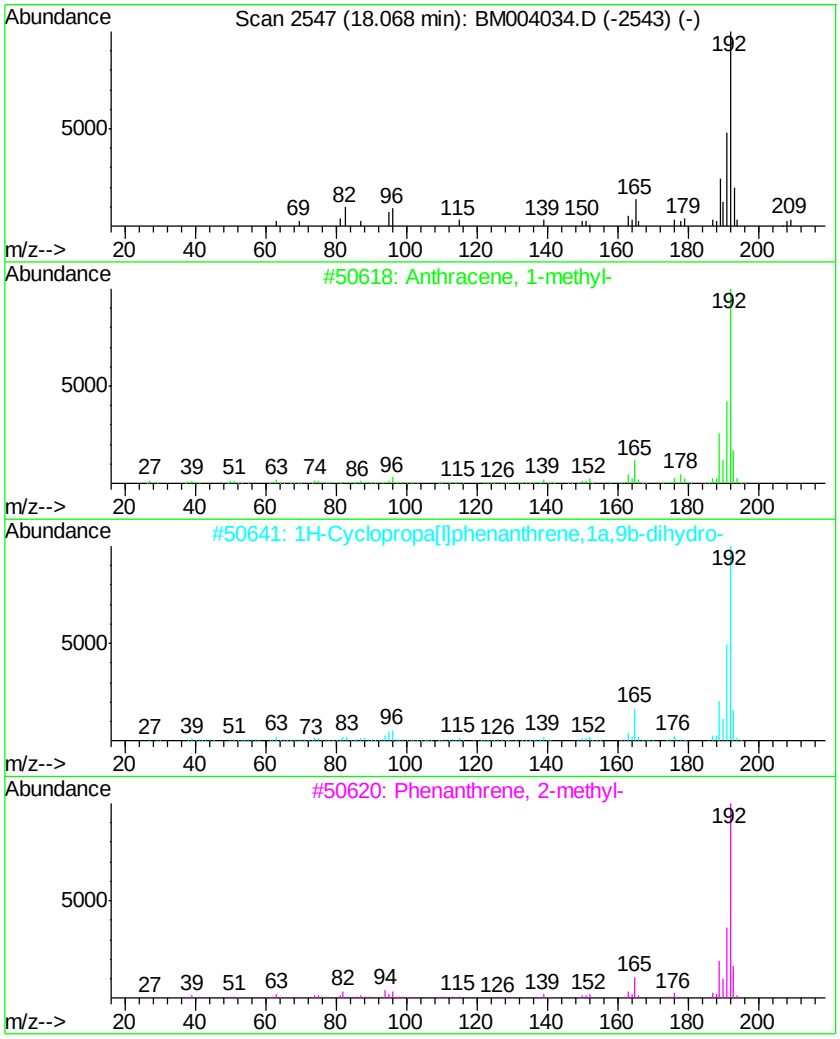
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

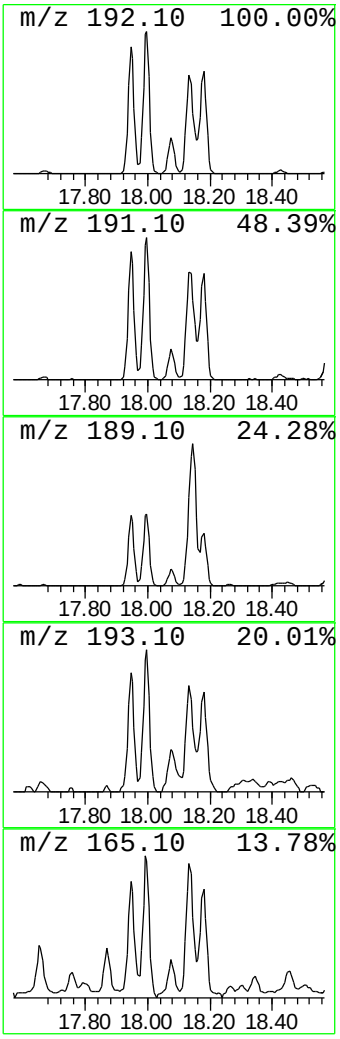
****

Peak Number 5 Anthracene, 1-methyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.07	2.69 ng/ul	79945	Phenanthrene-d10	17.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 1-methyl-	192	C15H12	000610-48-0	96
2	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	96
3	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
4	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	95
5	Anthracene, 2-methyl-	192	C15H12	000613-12-7	95





Data Path : Z:\HPCHEM1\BNA_M\DATA\BM011516\
Data File : BM004034.D
Acq On : 15 Jan 2016 04:53
Operator : SJ/UM
Sample : H1099-20
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BC9E6

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Quant Title : SVOA CALIBRATION

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

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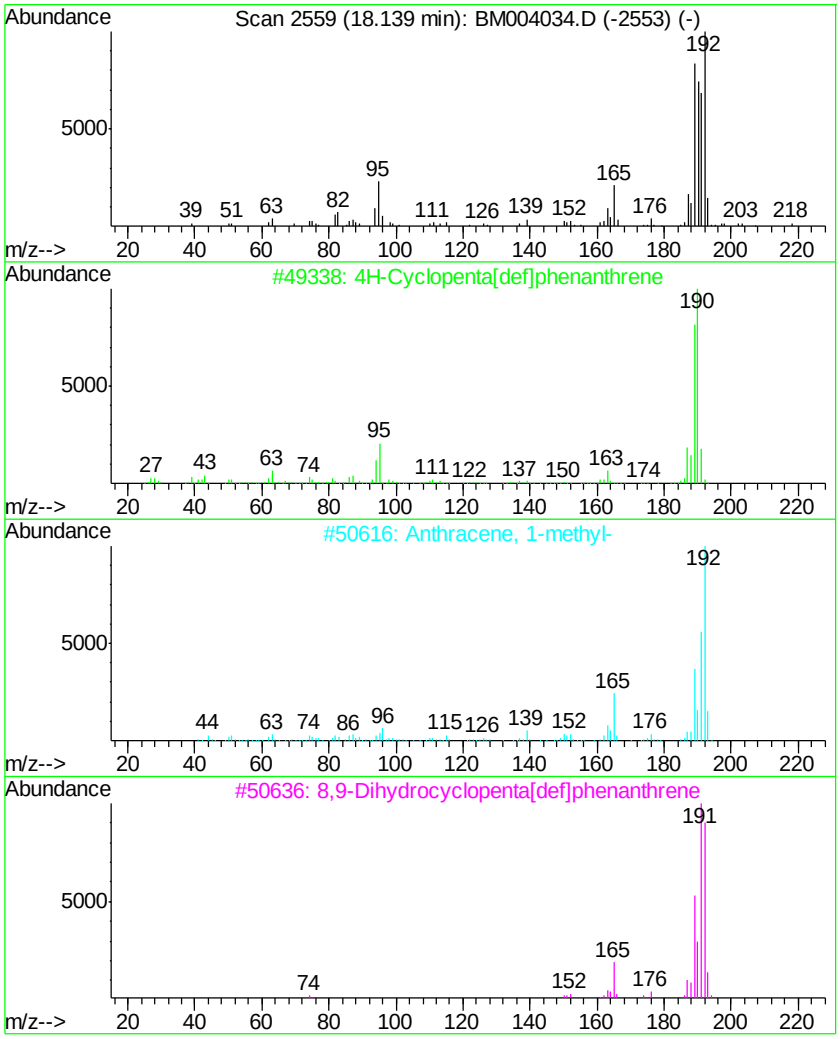
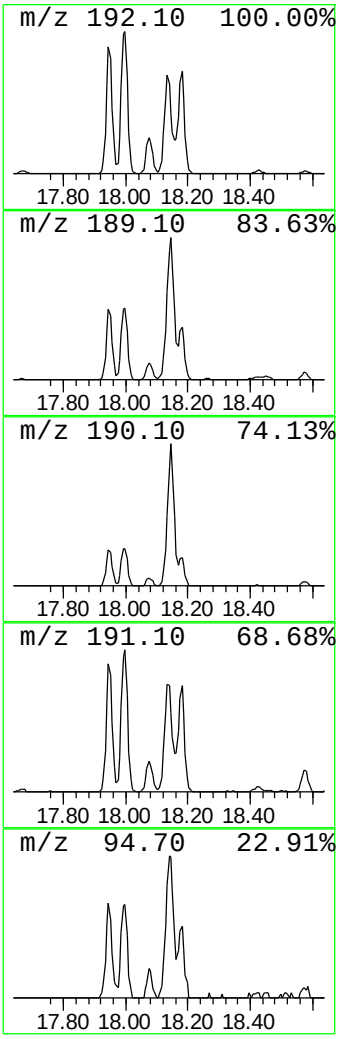
Peak Number 6 4H-Cyclopenta[def]phenanthrene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.14	13.94 ng/ul	413591	Phenanthrene-d10	17.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	87
2	Anthracene, 1-methyl-	192	C15H12	000610-48-0	83
3	8,9-Dihydrocyclopenta[def]phenan...	192	C15H12	027410-55-5	52
4	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	50
5	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	46





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Operator : SJ/UM
Sample : H1099-20
Misc :
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Instrument : BNA_M
ClientSampleId : BC9E6

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Quant Title : SVOA CALIBRATION

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

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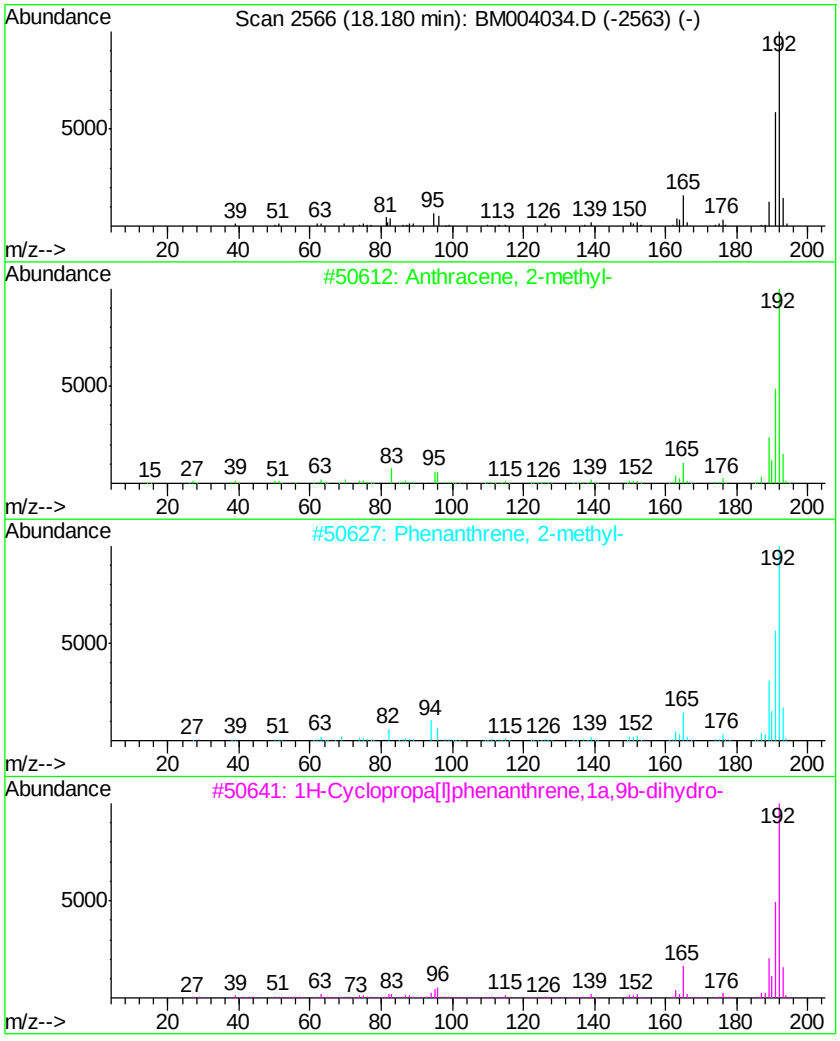
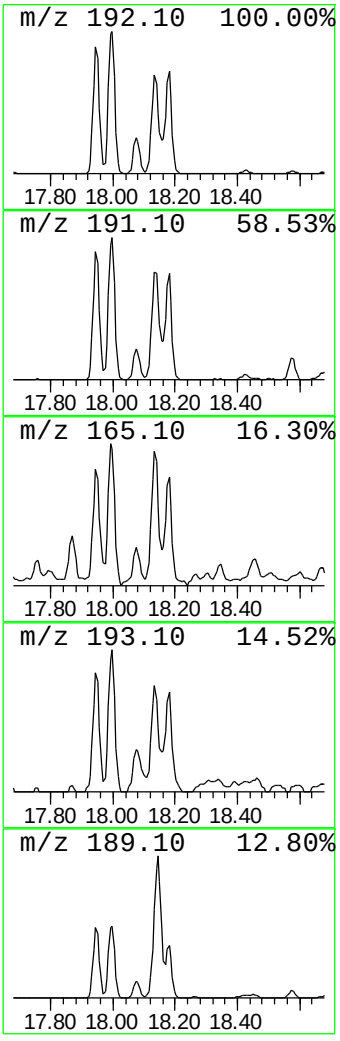
Peak Number 7 1H-Cyclopropa[l]phenanthren... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.18	7.29 ng/ul	216266	Phenanthrene-d10	17.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 2-methyl-	192	C15H12	000613-12-7	94
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	93
3	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	93
4	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	93
5	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	91





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Instrument : BNA_M
ClientSampleId : BC9E6

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Quant Title : SVOA CALIBRATION

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

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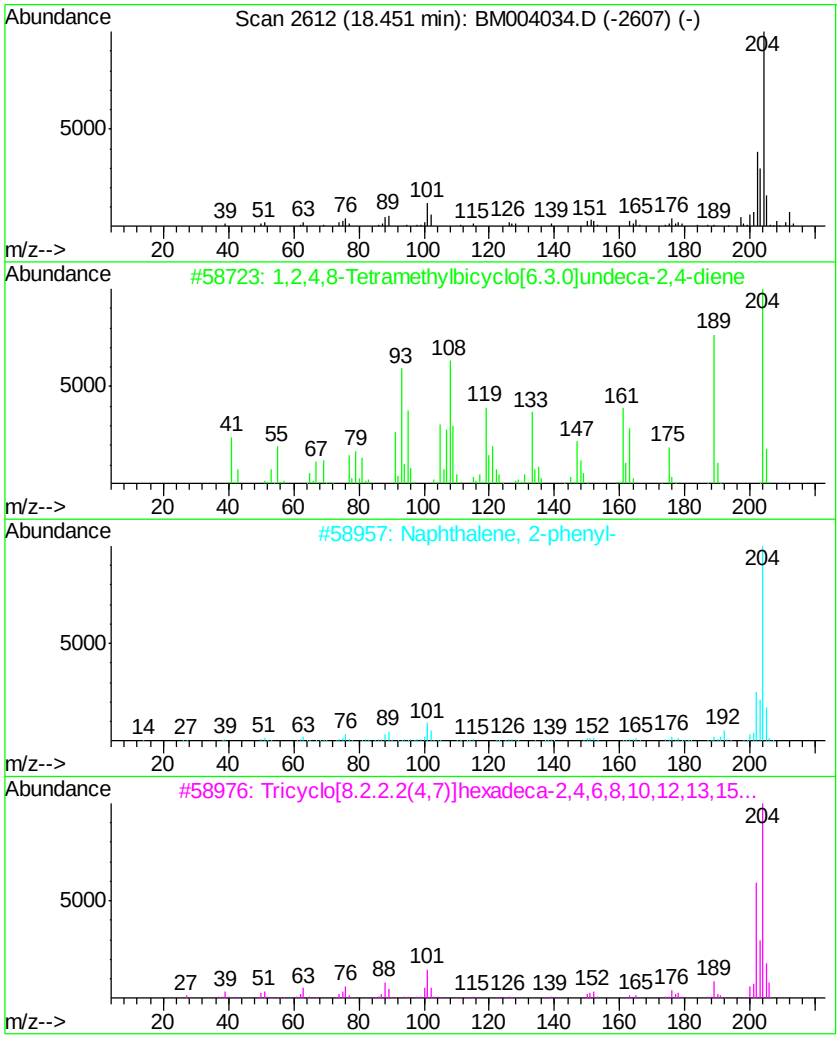
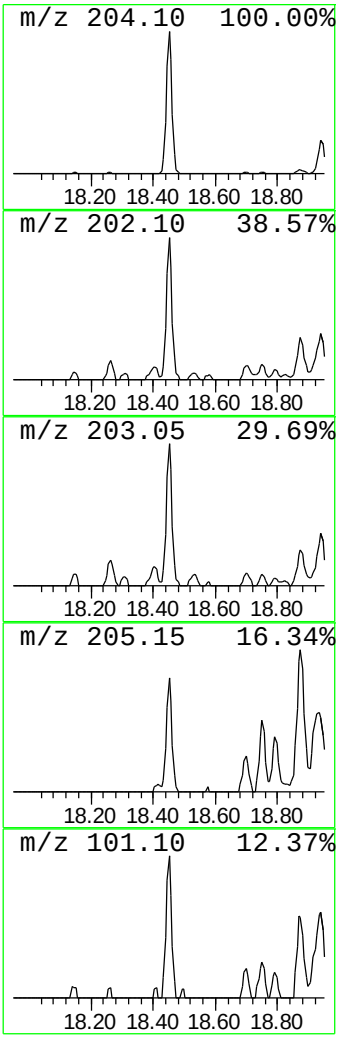
Peak Number 8 1,2,4,8-Tetramethylbicyclo[... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.45	5.33 ng/ul	158149	Phenanthrene-d10	17.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,2,4,8-Tetramethylbicyclo[6.3.0...	204	C15H24	137235-51-9	89
2	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	86
3	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	86
4	2-Phenylnaphthalene	204	C16H12	035465-71-5	86
5	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	78





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Instrument : BNA_M
ClientSampleId : BC9E6

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Quant Title : SVOA CALIBRATION

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

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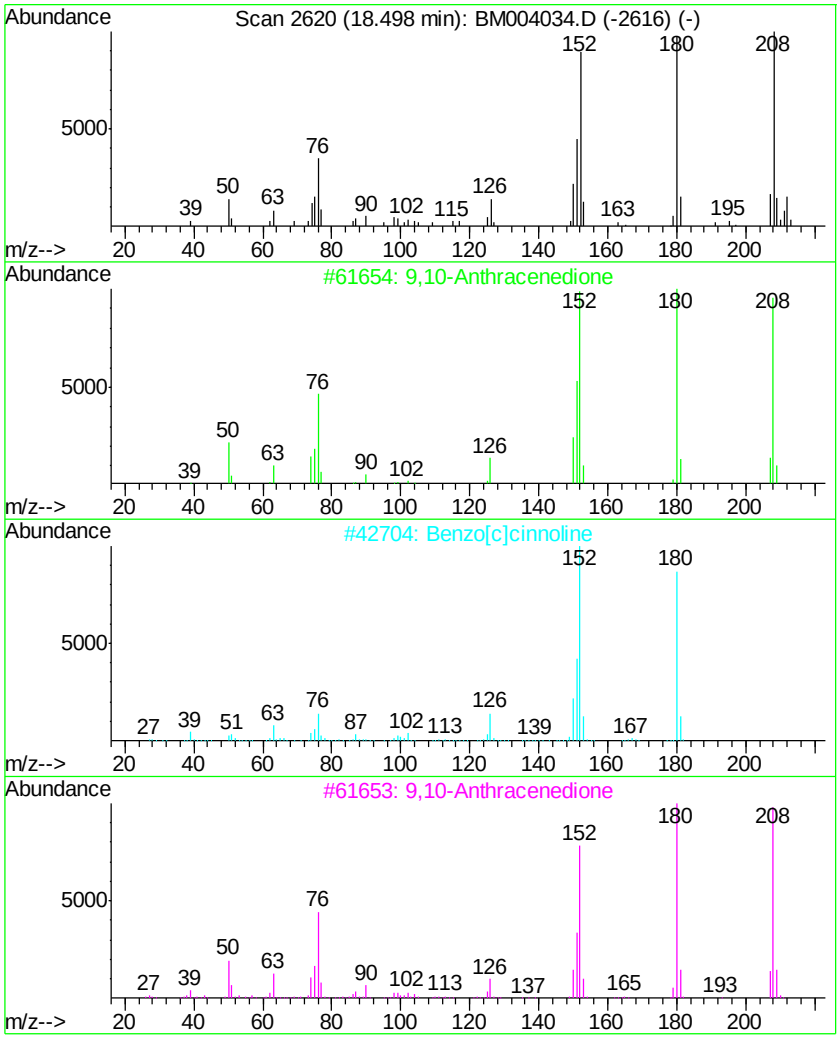
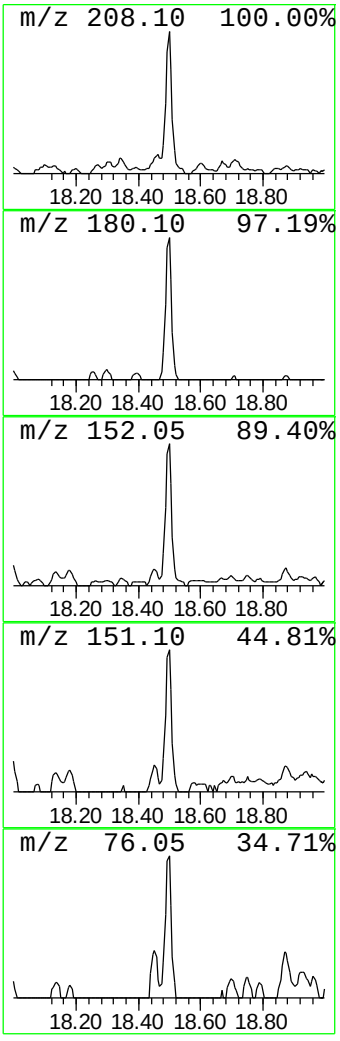
Peak Number 9 9,10-Anthracenedione Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.50	5.11 ng/ul	151536	Phenanthrene-d10	17.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Anthracenedione	208	C14H8O2	000084-65-1	97
2	Benzo[c]cinnoline	180	C12H8N2	000230-17-1	96
3	9,10-Anthracenedione	208	C14H8O2	000084-65-1	95
4	9,10-Anthracenedione	208	C14H8O2	000084-65-1	93
5	9H-Fluoren-9-one	180	C13H8O	000486-25-9	92





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Instrument : BNA_M
ClientSampleId : BC9E6

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Quant Title : SVOA CALIBRATION

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

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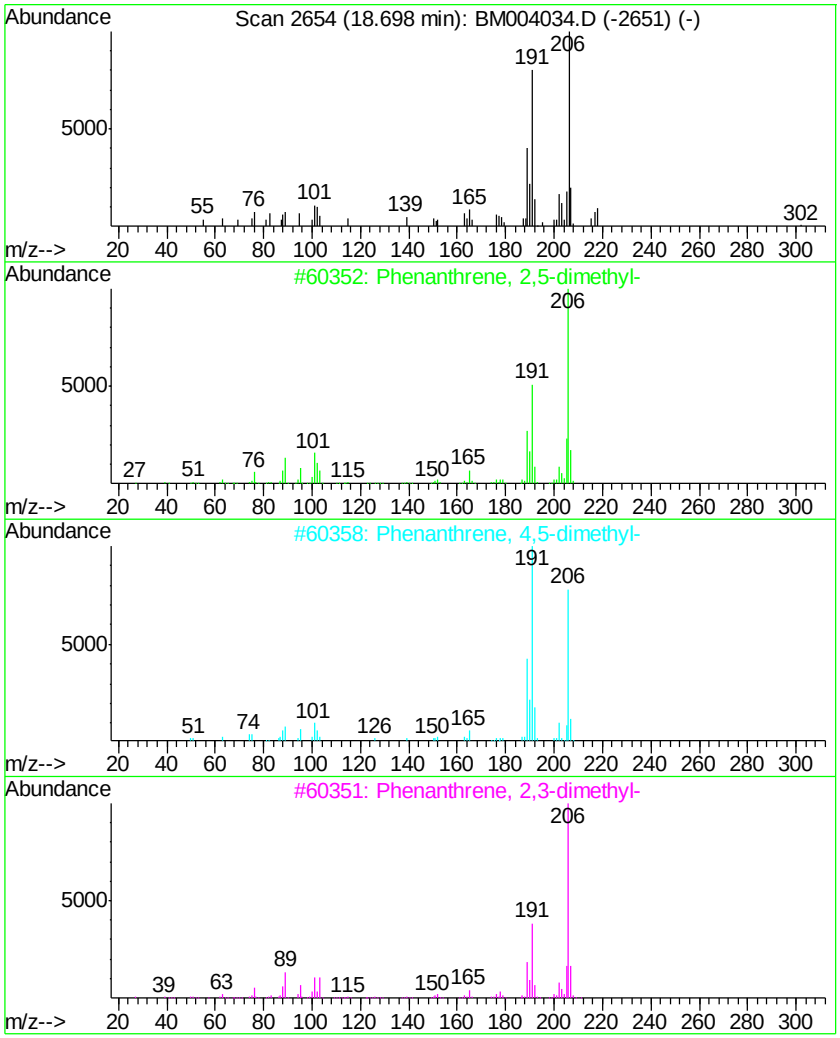
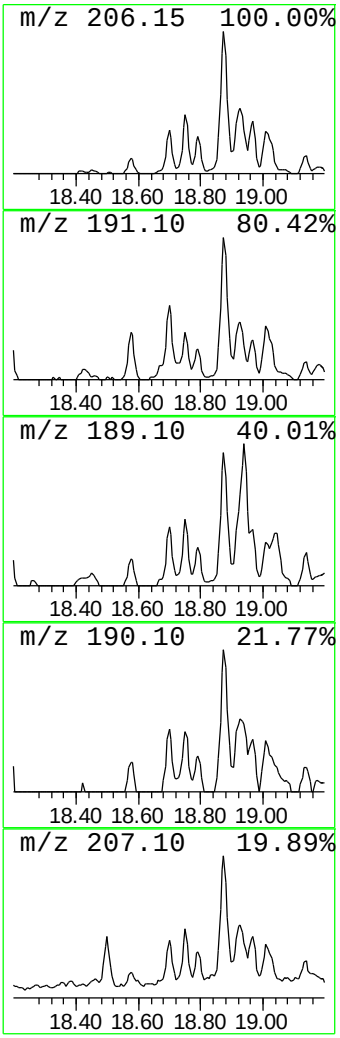
Peak Number 10 Phenanthrene, 2,5-dimethyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.70	2.78 ng/ul	82606	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, 4,5-dimethyl-	206	C16H14	003674-69-9	93
3	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	93
4	Phenanthrene, 4,5-dimethyl-	206	C16H14	003674-69-9	90
5	Phenanthrene, 4,5-dimethyl-	206	C16H14	003674-69-9	90





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Sample : H1099-20
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ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BC9E6

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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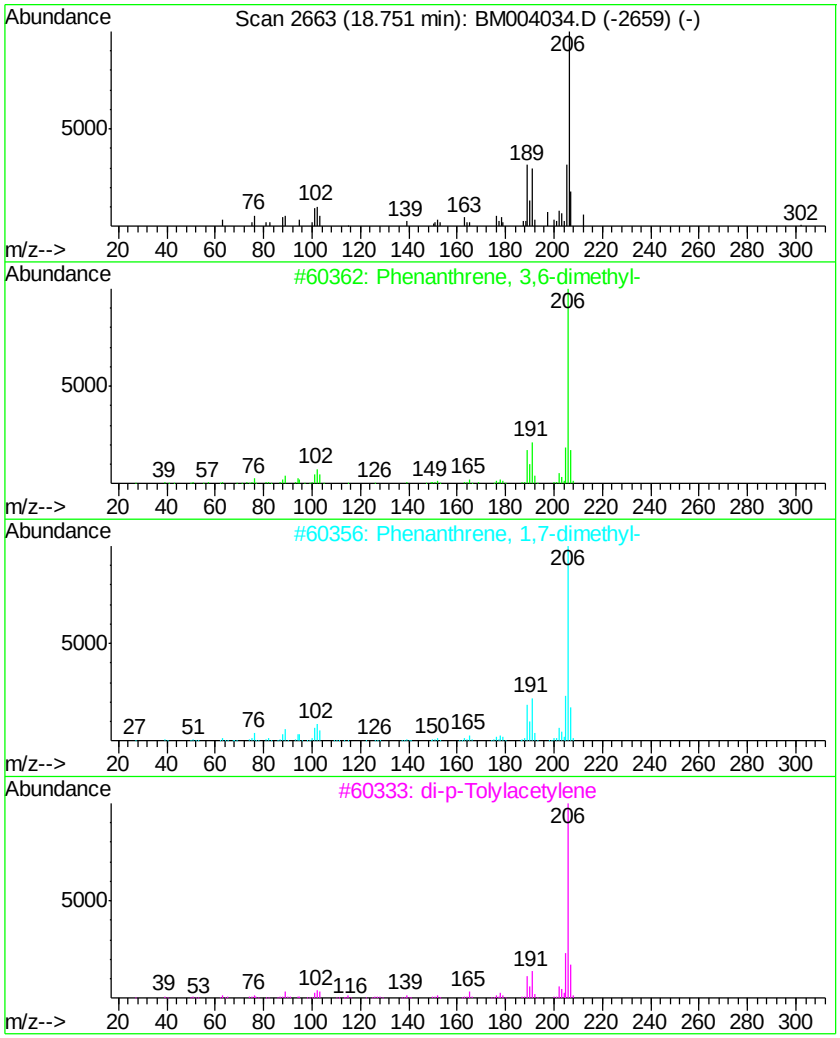
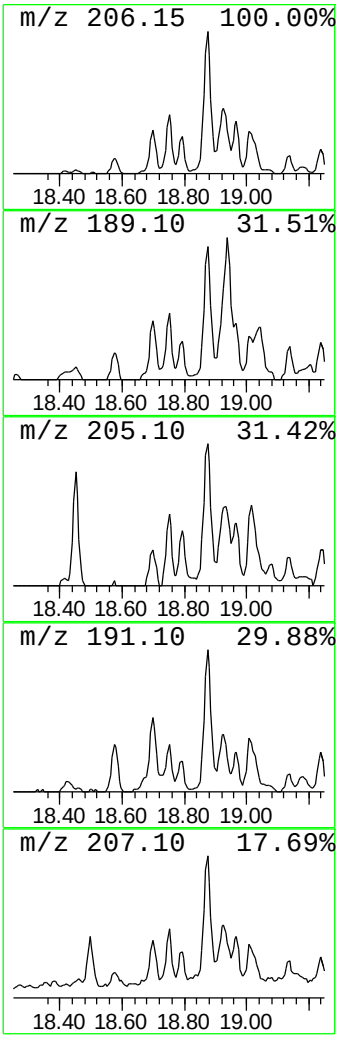
Peak Number 11 Phenanthrene, 3,6-dimethyl- Concentration Rank 23

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.75	2.50 ng/ul	74212	Phenanthrene-d10	17.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	94
2	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	93
3	di-p-Tolylacetylene	206	C16H14	002789-88-0	93
4	di-p-Tolylacetylene	206	C16H14	002789-88-0	91
5	Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	91





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Sample : H1099-20
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BC9E6

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Quant Title : SVOA CALIBRATION

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

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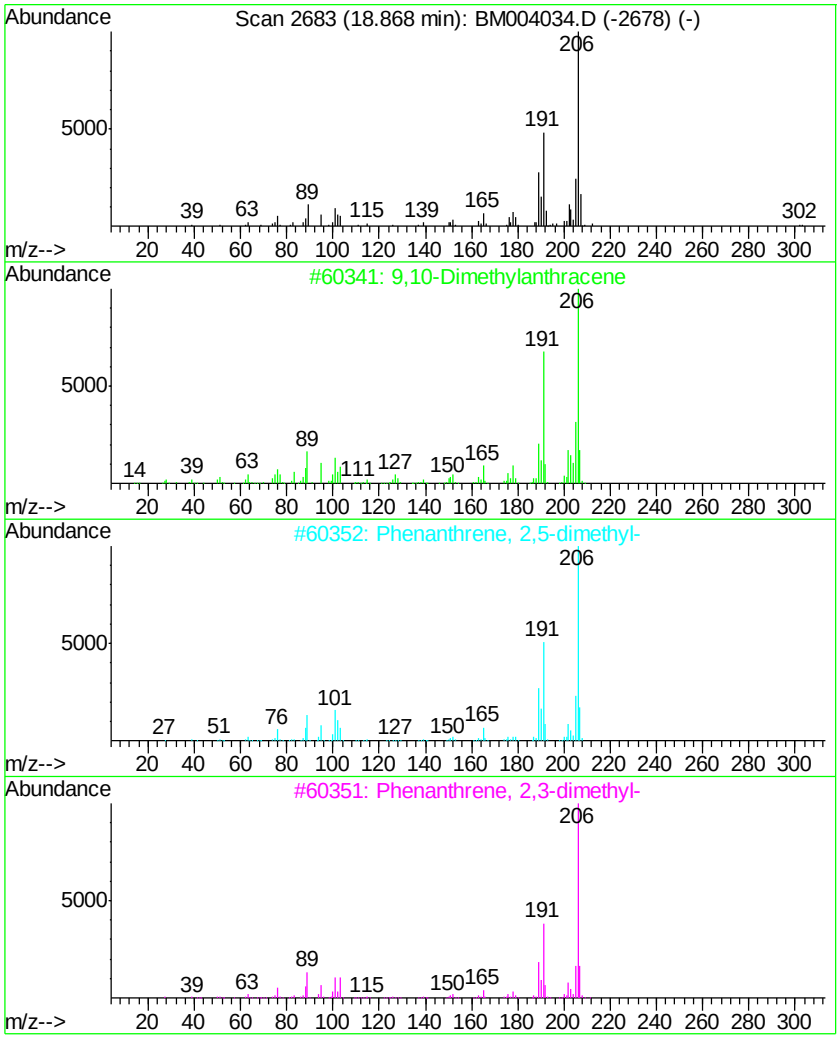
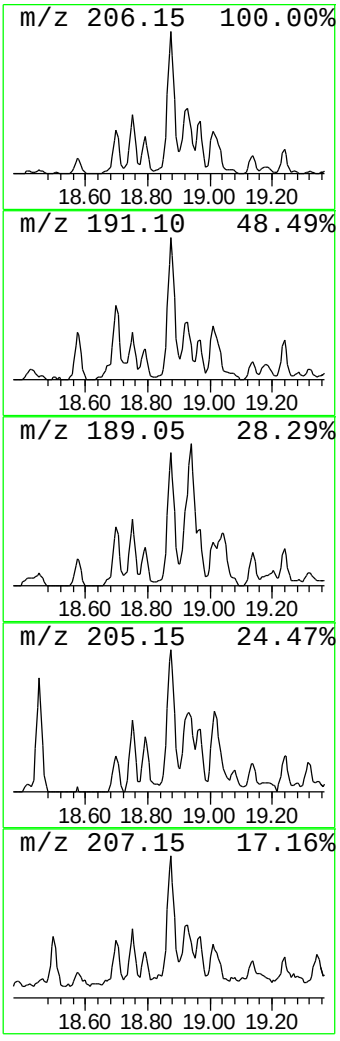
Peak Number 12 (DEL) Alkane: Straight-Chai... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.87	8.35 ng/ul	247617	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, 2,5-dimethyl-	206	C16H14	003674-66-6	93
3	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	91
4	Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	90
5	Anthracene, 1,4-dimethyl-	206	C16H14	000781-92-0	89





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Misc :
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Instrument : BNA_M
ClientSampleId : BC9E6

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Quant Title : SVOA CALIBRATION

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

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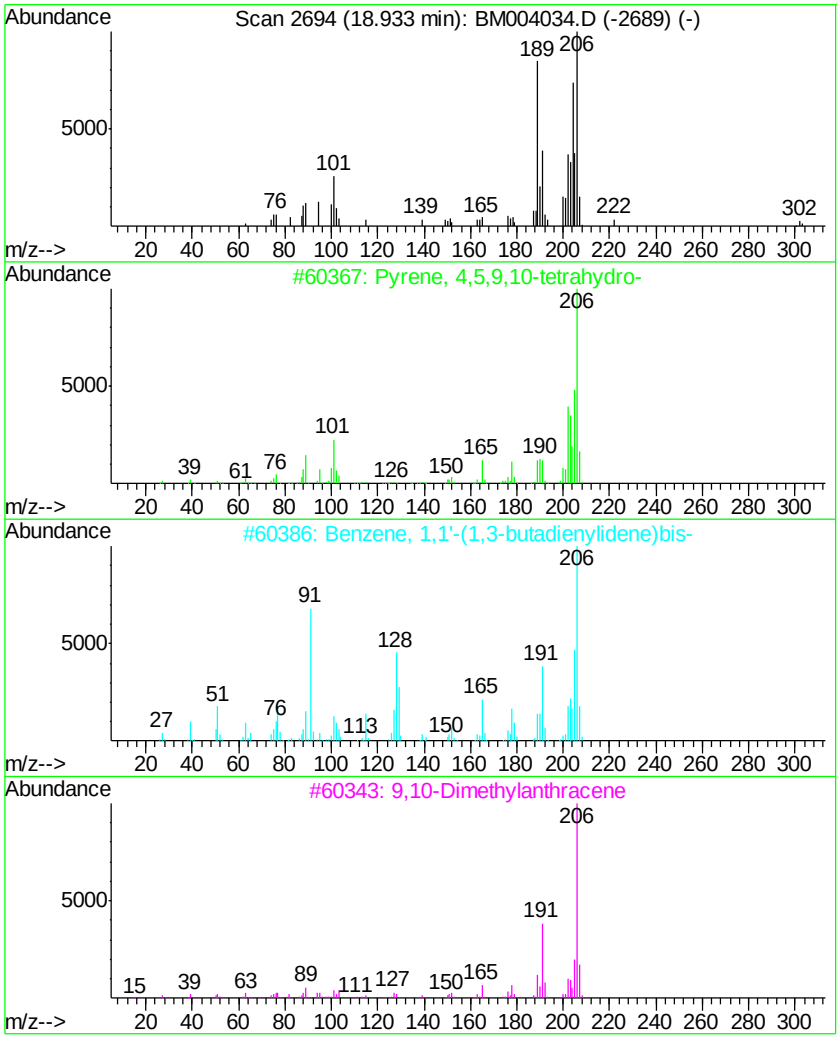
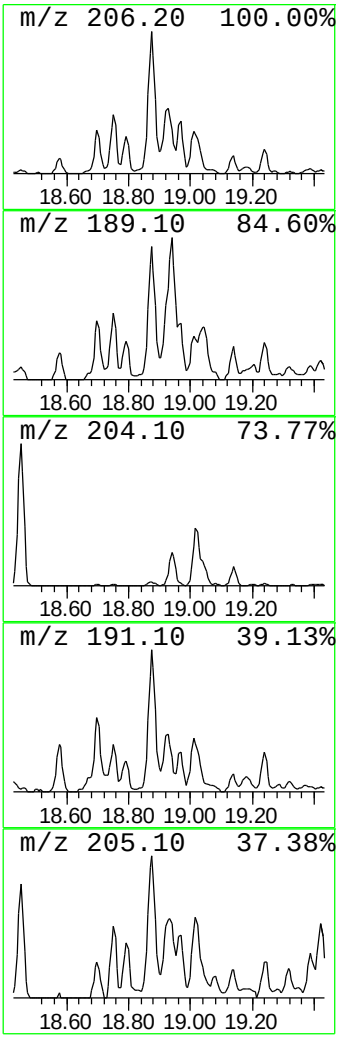
Peak Number 13 Pyrene, 4,5,9,10-tetrahydro- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.93	5.87 ng/ul	174035	Phenanthrene-d10	17.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 4,5,9,10-tetrahydro-	206	C16H14	000781-17-9	51
2	Benzene, 1,1'-(1,3-butadienylide...	206	C16H14	004165-81-5	41
3	9,10-Dimethylanthracene	206	C16H14	000781-43-1	38
4	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	38
5	Pyrene, 4,5,9,10-tetrahydro-	206	C16H14	000781-17-9	38





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Quant Title : SVOA CALIBRATION

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

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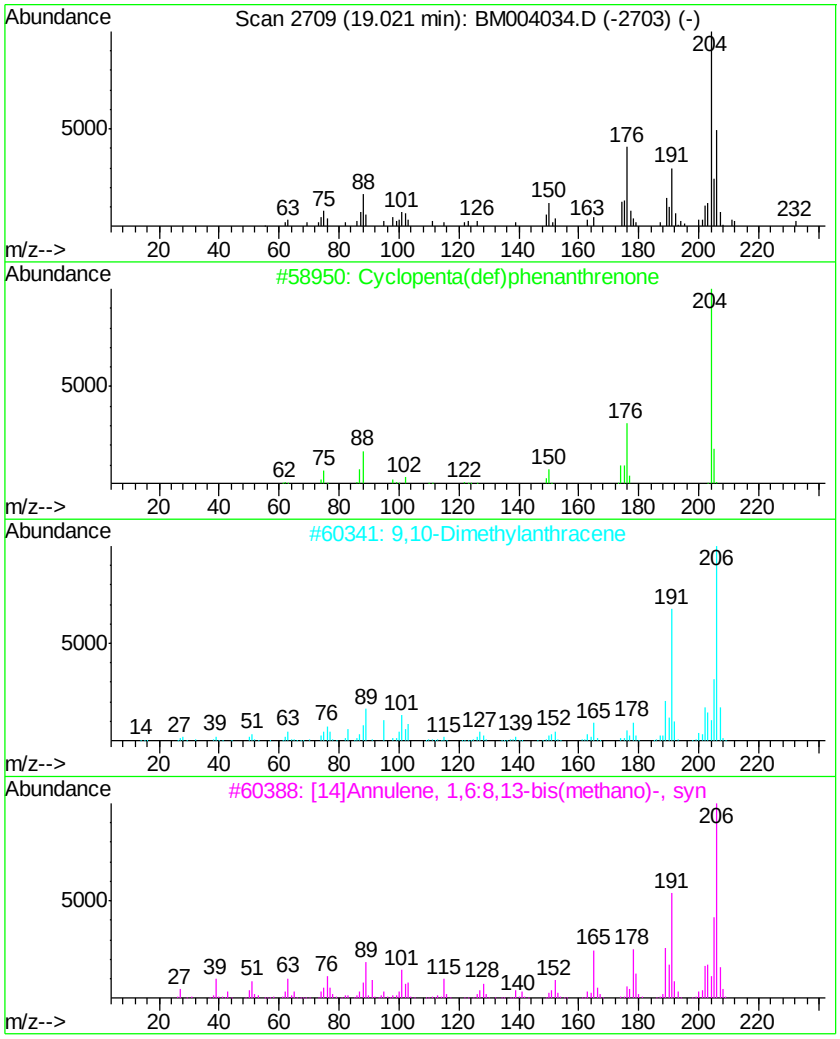
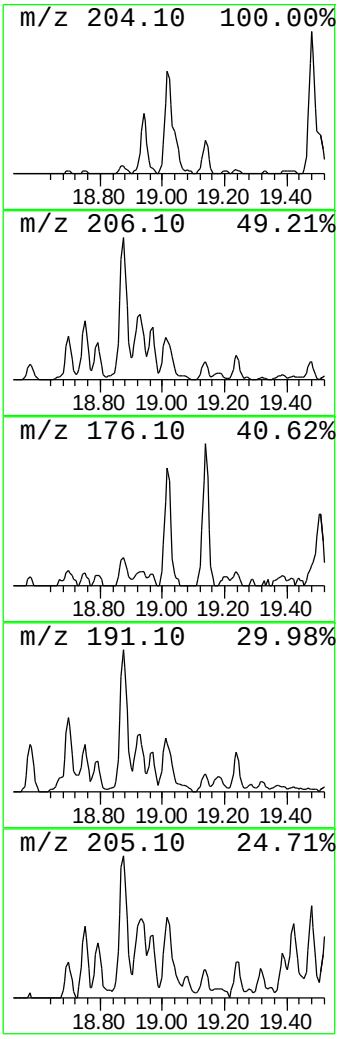
Peak Number 14 Cyclopenta(def)phenanthrenone Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.02	6.19 ng/ul	183733	Phenanthrene-d10	17.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	95
2	9,10-Dimethylanthracene	206	C16H14	000781-43-1	49
3	[14]Annulene, 1,6:8,13-bis(metha...	206	C16H14	085385-68-8	46
4	1H-Indene, 2-methyl-3-phenyl-	206	C16H14	035099-60-6	45
5	[1,1'-Biphenyl]-2,2'-dicarbonitrile	204	C14H8N2	004341-02-0	43





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Quant Title : SVOA CALIBRATION

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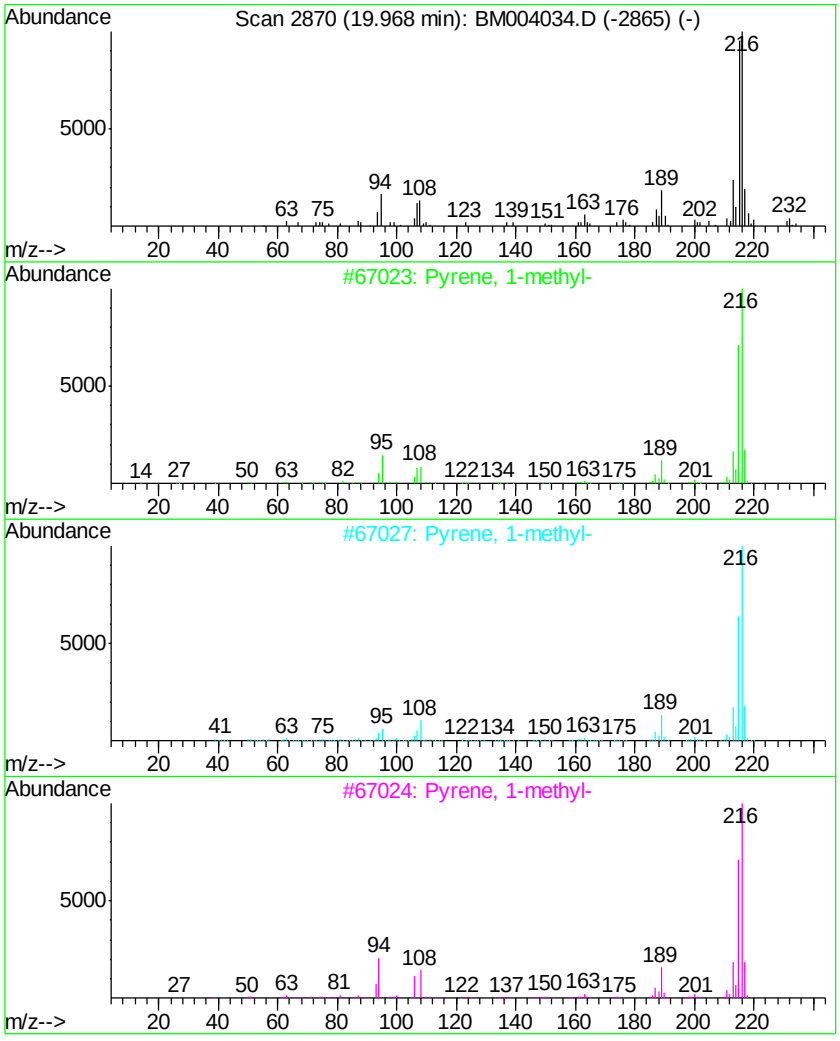
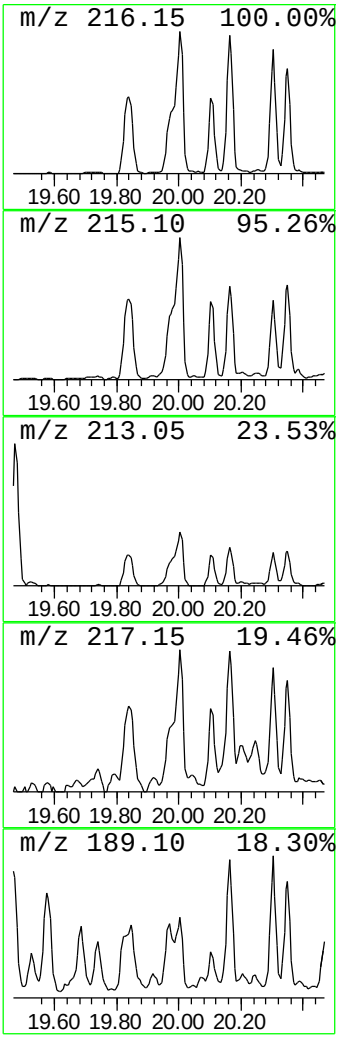
Peak Number 16 Pyrene, 1-methyl- Concentration Rank 31

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.97	2.01 ng/ul	121412	Chrysene-d12	21.27

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	95
2	Pyrene, 1-methyl-	216	C17H12	002381-21-7	94
3	Pyrene, 1-methyl-	216	C17H12	002381-21-7	93
4	Pyrene, 2-methyl-	216	C17H12	003442-78-2	91
5	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	90





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Quant Title : SVOA CALIBRATION

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

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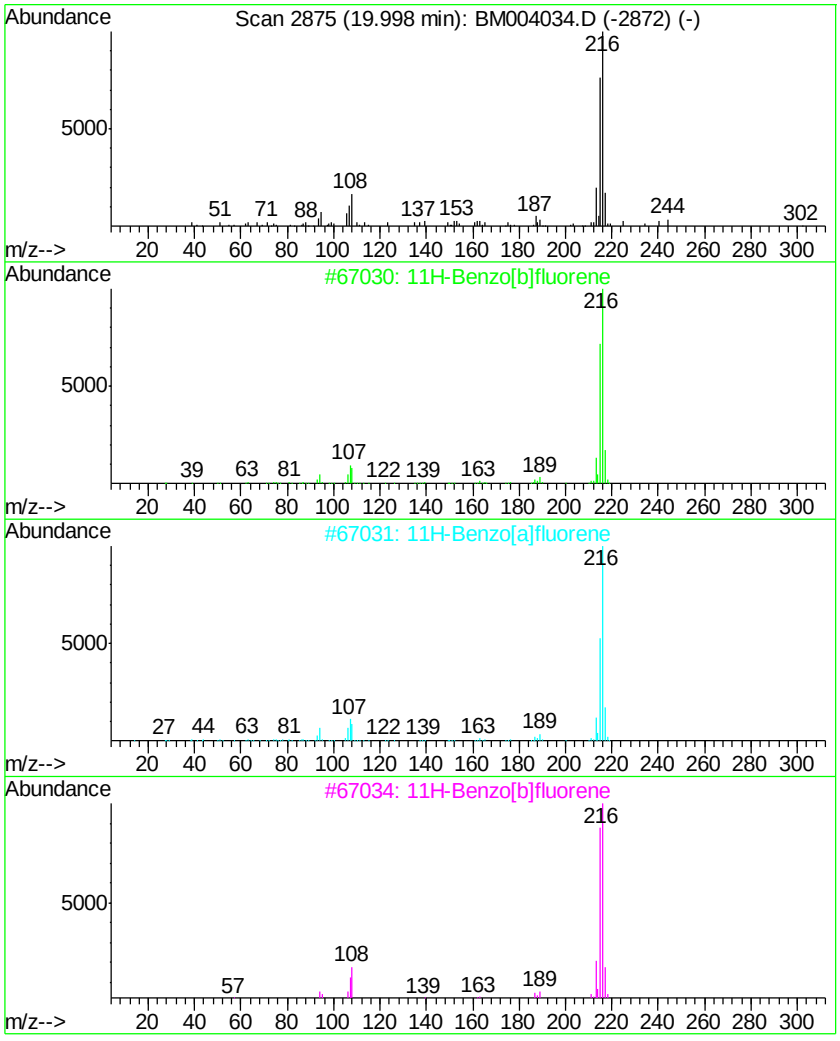
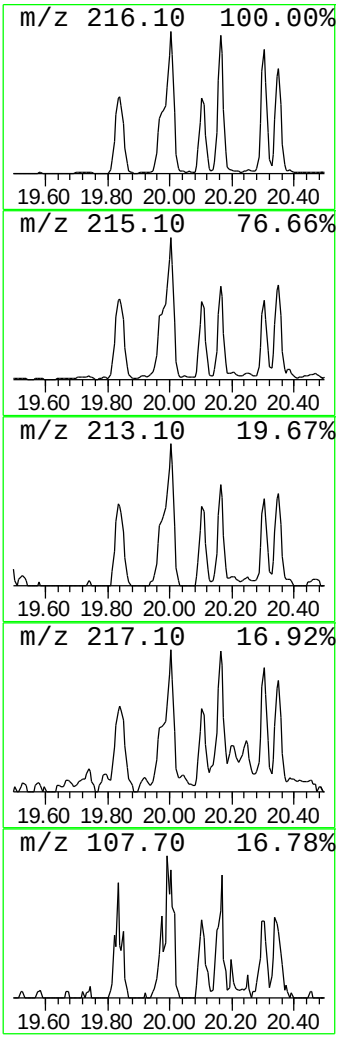
Peak Number 17 11H-Benzo[b]fluorene Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.00	4.01 ng/ul	241632	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	93
3	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	91
4	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	91
5	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	87





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ClientSampleId : BC9E6

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Quant Title : SVOA CALIBRATION

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

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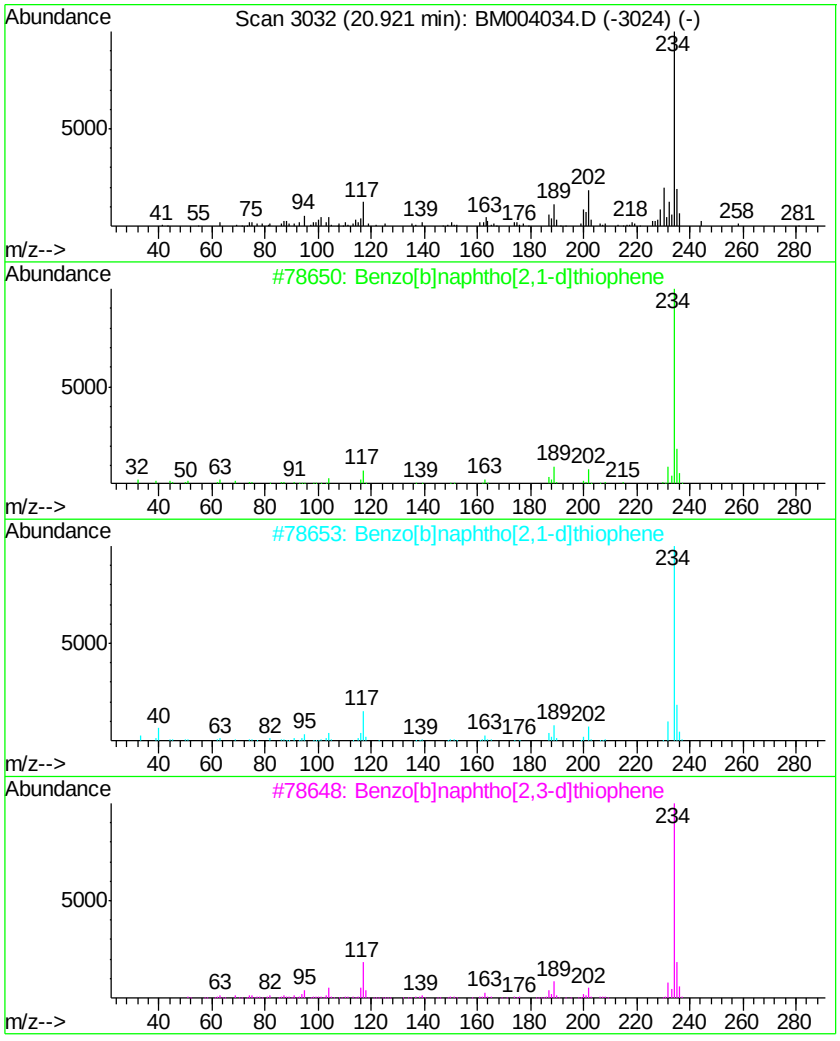
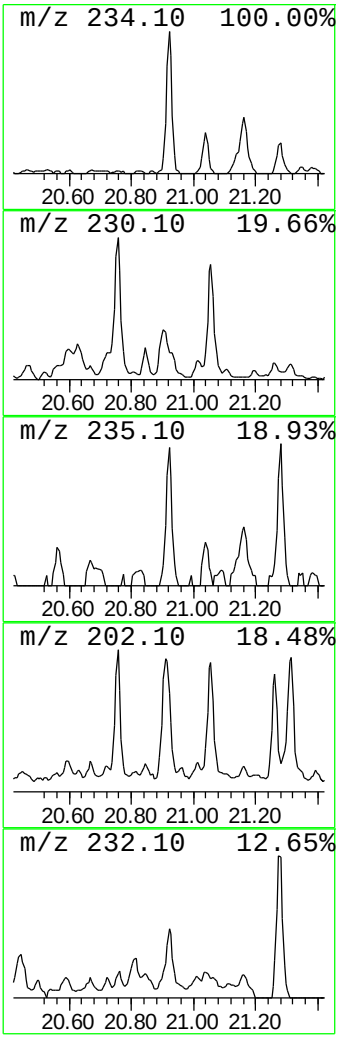
Peak Number 23 Benzo[b]naphtho[2,1-d]thiop... Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.92	2.83 ng/ul	170700	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	94
2	Benzo[b]naphtho[2,1-d]thiophene	234	C16H10S	000239-35-0	93
3	Benzo[b]naphtho[2,3-d]thiophene	234	C16H10S	000243-46-9	91
4	Benzo[b]naphtho[2,1-d]thiophene	234	C16H10S	000239-35-0	87
5	Benzo[b]naphtho[2,3-d]thiophene	234	C16H10S	000243-46-9	76





Data Path : Z:\HPCHEM1\BNA_M\DATA\BM011516\
Data File : BM004034.D
Acq On : 15 Jan 2016 04:53
Operator : SJ/UM
Sample : H1099-20
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BC9E6

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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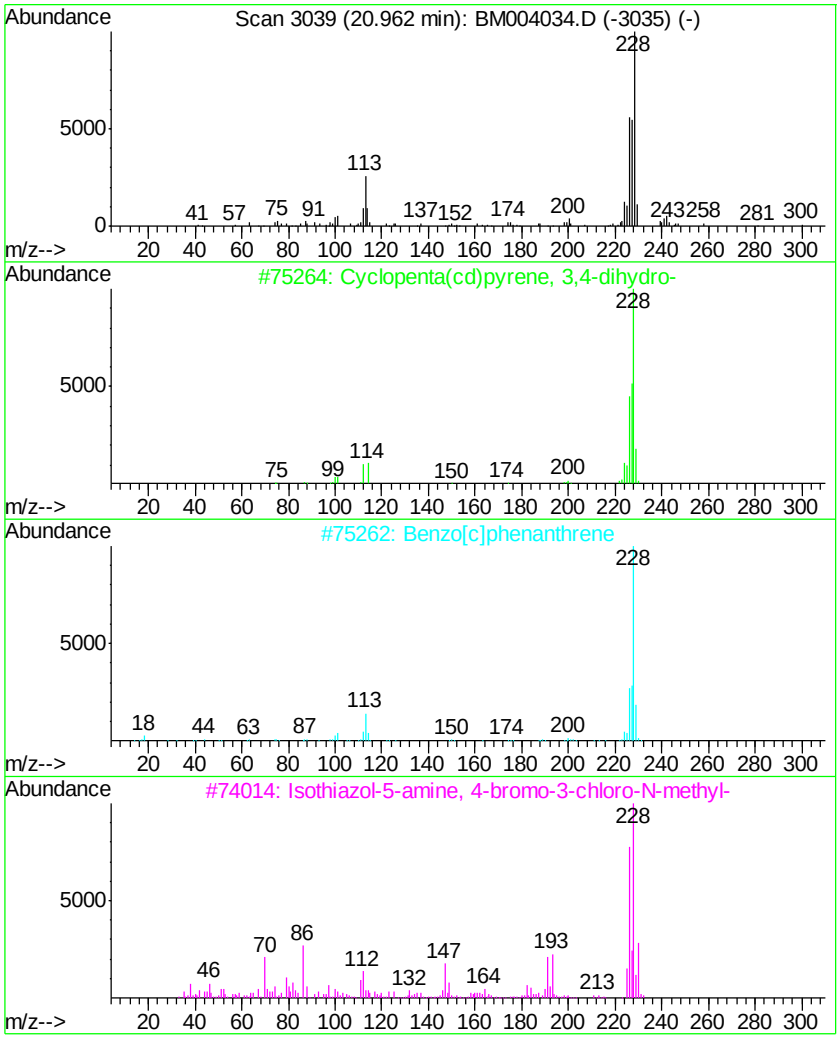
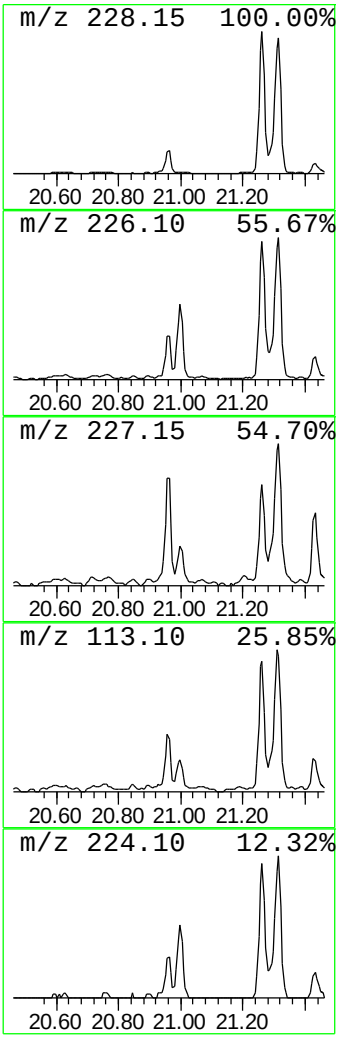
Peak Number 24 Cyclopenta(cd)pyrene, 3,4-d... Concentration Rank 27

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.96	2.30 ng/ul	138523	Chrysene-d12	21.27

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(cd)pyrene, 3,4-dihydro-	228	C18H12	025732-74-5	78
2	Benzo[c]phenanthrene	228	C18H12	000195-19-7	70
3	Isothiazol-5-amine, 4-bromo-3-ch...	226	C4H4BrClN2S	1000272-59-9	50
4	Triphenylene	228	C18H12	000217-59-4	47
5	Benzo[c]phenanthrene	228	C18H12	000195-19-7	47





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Acq On : 15 Jan 2016 04:53
Operator : SJ/UM
Sample : H1099-20
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BC9E6

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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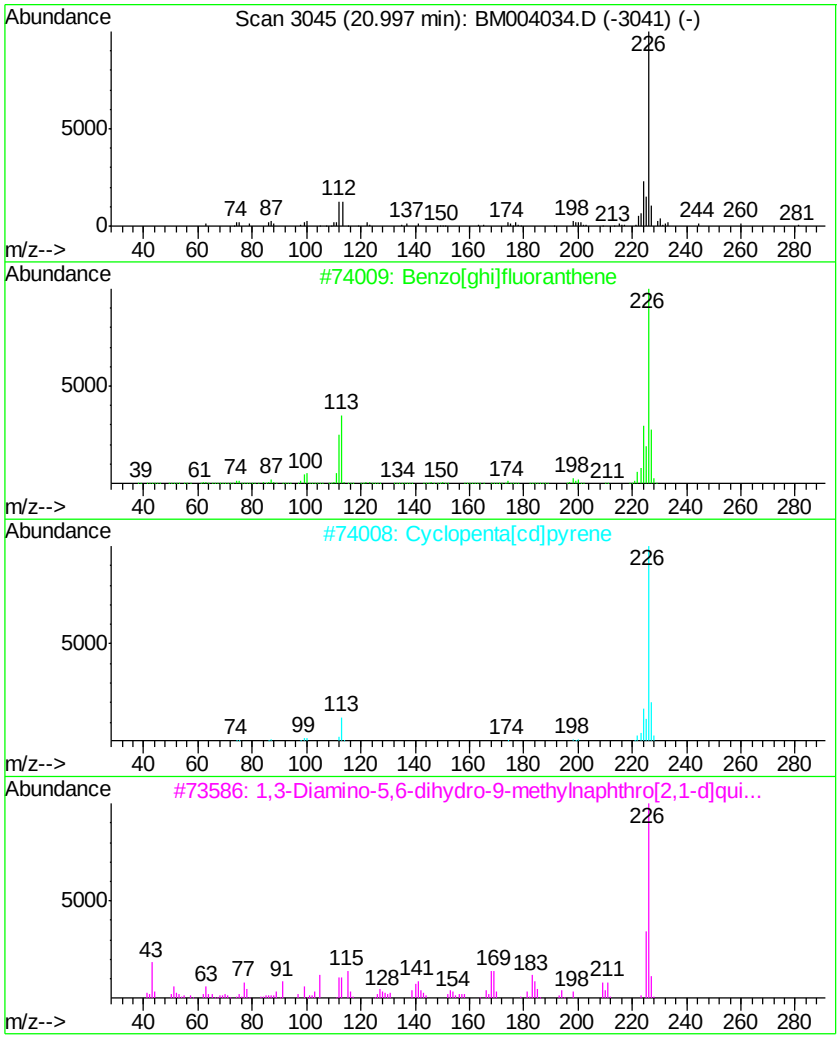
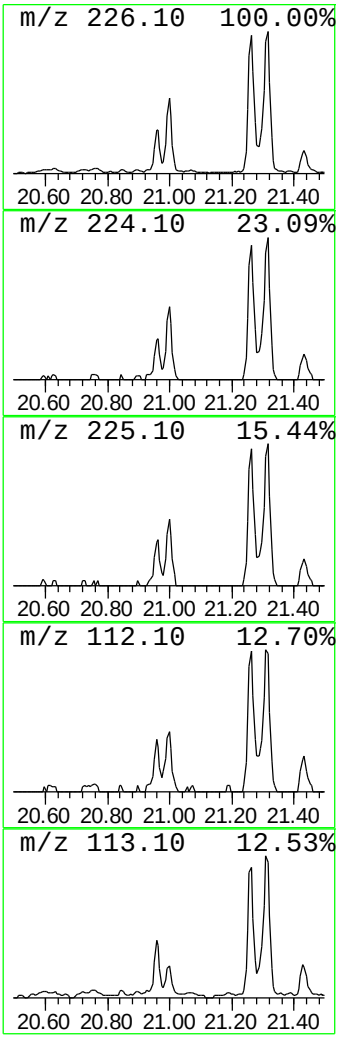
Peak Number 25 Benzo[ghi]fluoranthene Concentration Rank 25

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.00	2.32 ng/ul	139945	Chrysene-d12	21.27

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[ghi]fluoranthene	226	C18H10	000203-12-3	64
2	Cyclopenta[cd]pyrene	226	C18H10	027208-37-3	58
3	1,3-Diamino-5,6-dihydro-9-methyl...	226	C13H14N4	037436-39-8	53
4	.beta.-Carboline, 7-methoxy-1,2-...	226	C14H14N2O	006519-18-2	33
5	Anthracene, 1,8-diethynyl-	226	C18H10	078053-58-4	32





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Data File : BM004034.D
Acq On : 15 Jan 2016 04:53
Operator : SJ/UM
Sample : H1099-20
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BC9E6

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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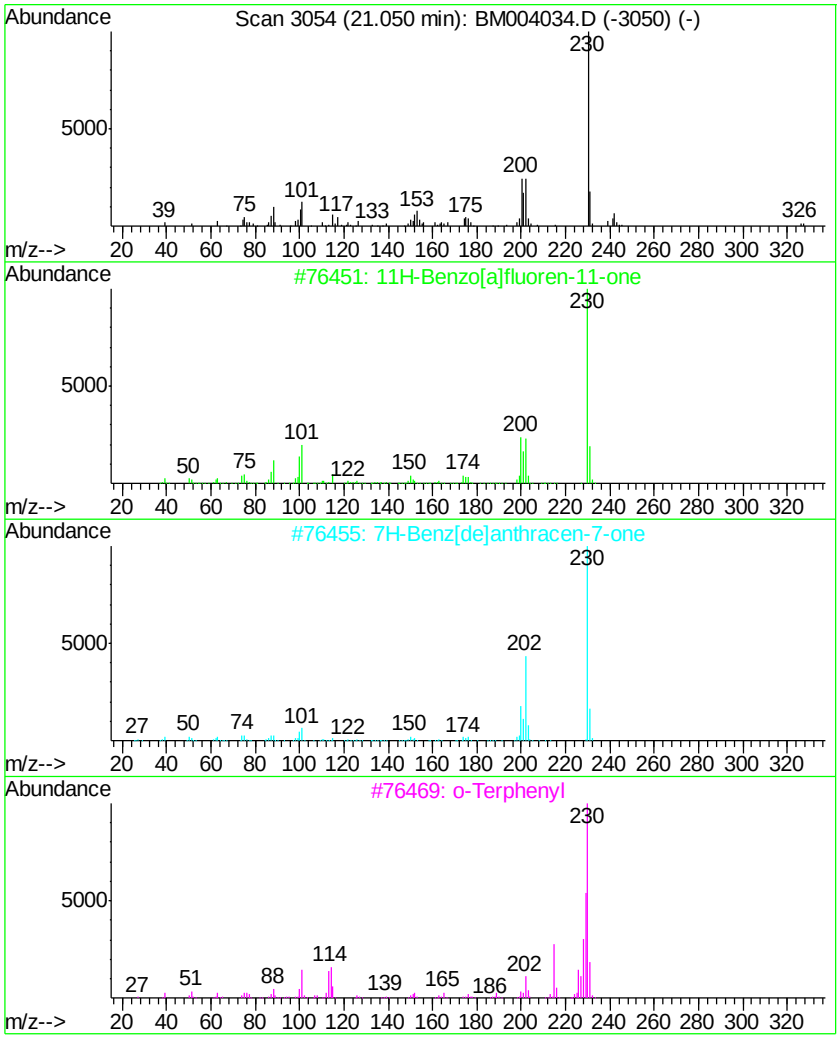
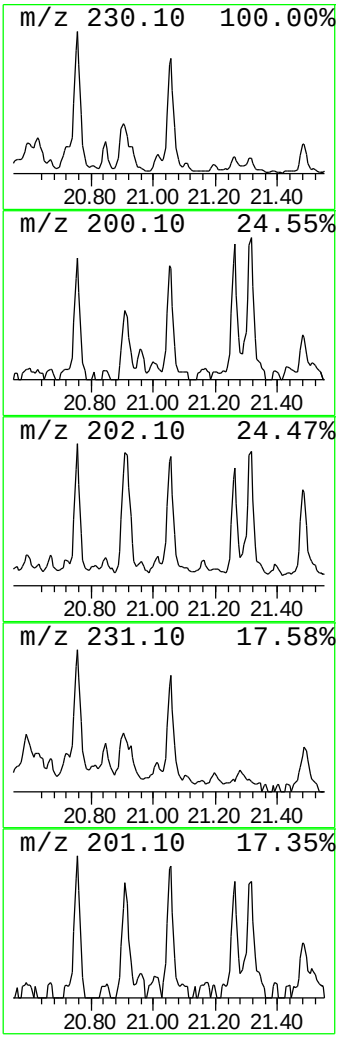
Peak Number 26 11H-Benzo[a]fluoren-11-one Concentration Rank 26

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.05	2.31 ng/ul	138941	Chrysene-d12	21.27

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[a]fluoren-11-one	230	C17H10O	000479-79-8	95
2	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	64
3	o-Terphenyl	230	C18H14	000084-15-1	53
4	2-Chloro-9-xanthenone	230	C13H7ClO2	013210-15-6	50
5	p-Terphenyl	230	C18H14	000092-94-4	47





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Data File : BM004034.D
Acq On : 15 Jan 2016 04:53
Operator : SJ/UM
Sample : H1099-20
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BC9E6

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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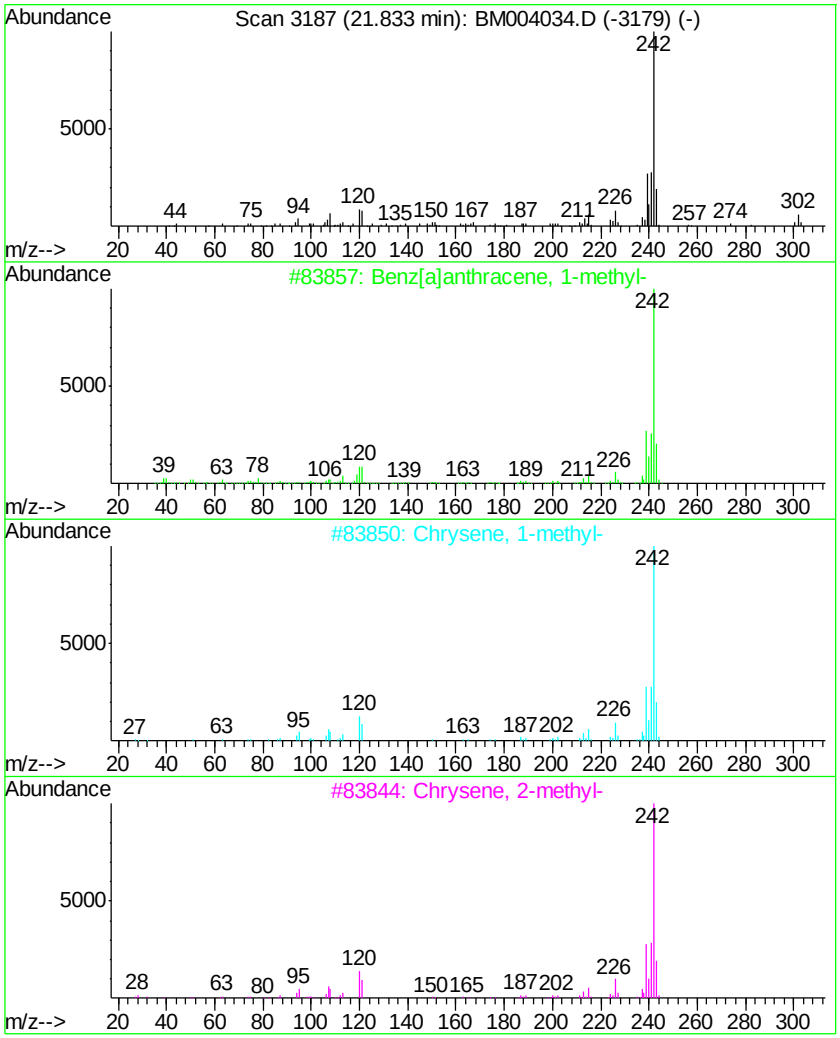
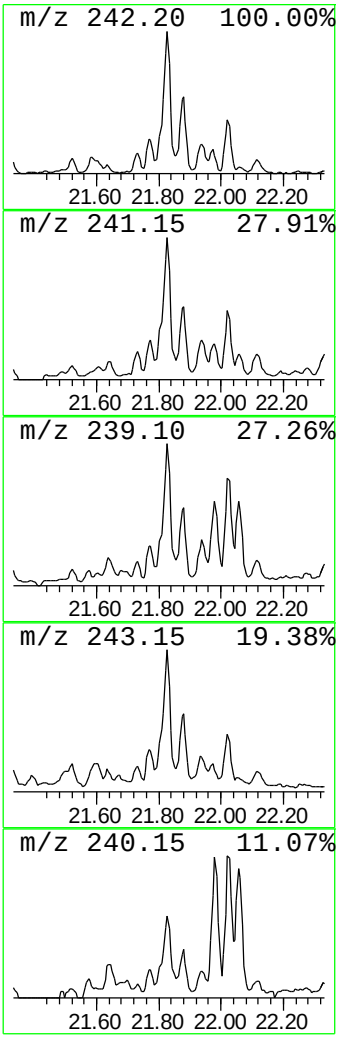
Peak Number 27 Benz[a]anthracene, 1-methyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.83	3.25 ng/ul	195837	Chrysene-d12	21.27

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benz[a]anthracene, 1-methyl-	242	C19H14	002498-77-3	93
2	Chrysene, 1-methyl-	242	C19H14	003351-28-8	93
3	Chrysene, 2-methyl-	242	C19H14	003351-32-4	93
4	Benz[a]anthracene, 8-methyl-	242	C19H14	002381-31-9	89
5	Benz[a]anthracene, 7-methyl-	242	C19H14	002541-69-7	89





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM011516\
Data File : BM004034.D
Acq On : 15 Jan 2016 04:53
Operator : SJ/UM
Sample : H1099-20
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BC9E6

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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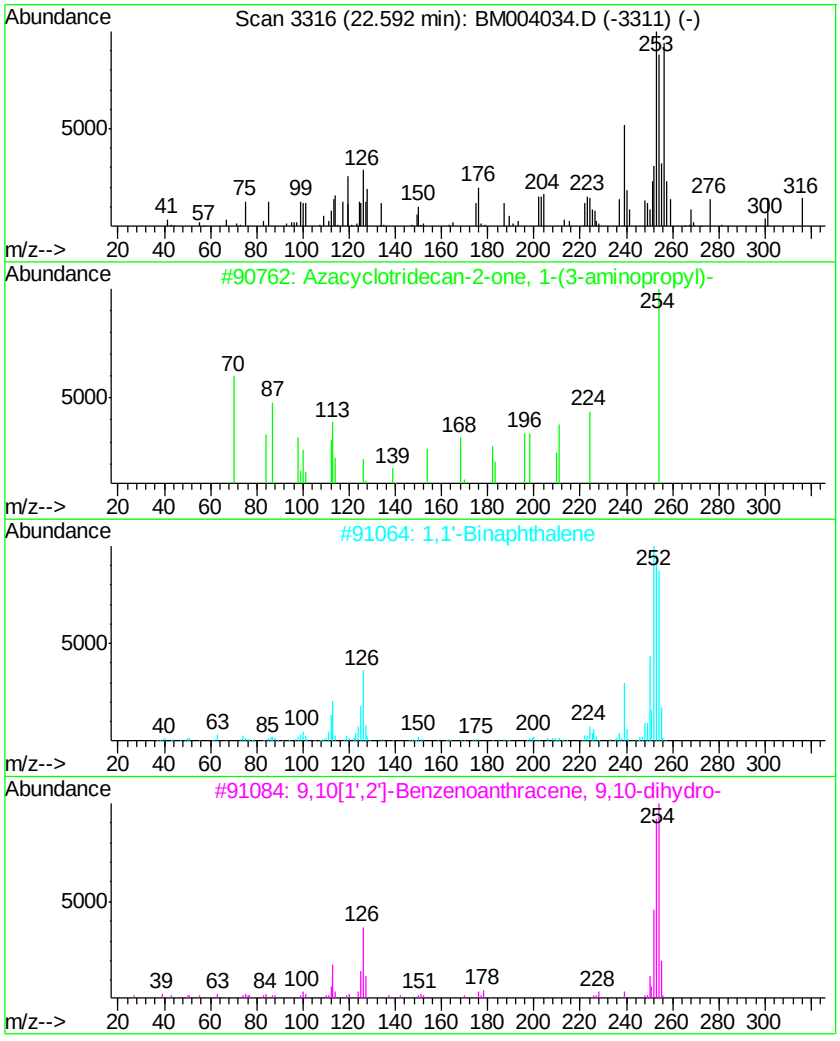
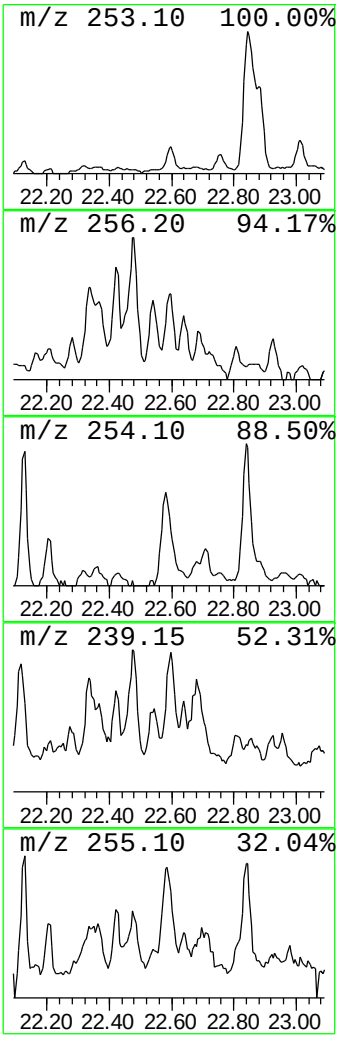
Peak Number 28 Azacyclotridecan-2-one, 1-(... Concentration Rank 24

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.59	2.41 ng/ul	58865	Perylene-d12	23.52

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Azacyclotridecan-2-one, 1-(3-ami...	254	C15H30N2O	064414-61-5	90
2	1,1'-Binaphthalene	254	C20H14	000604-53-5	53
3	9,10[1',2']-Benzenoanthracene, 9...	254	C20H14	000477-75-8	46
4	4,5-Dihydrobenzo[e]pyrene	254	C20H14	095676-42-9	46
5	1H-Indene, 1,1'-(1,2-ethanediyli...	254	C20H14	072088-04-1	41





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Instrument : BNA_M
ClientSampleId : BC9E6

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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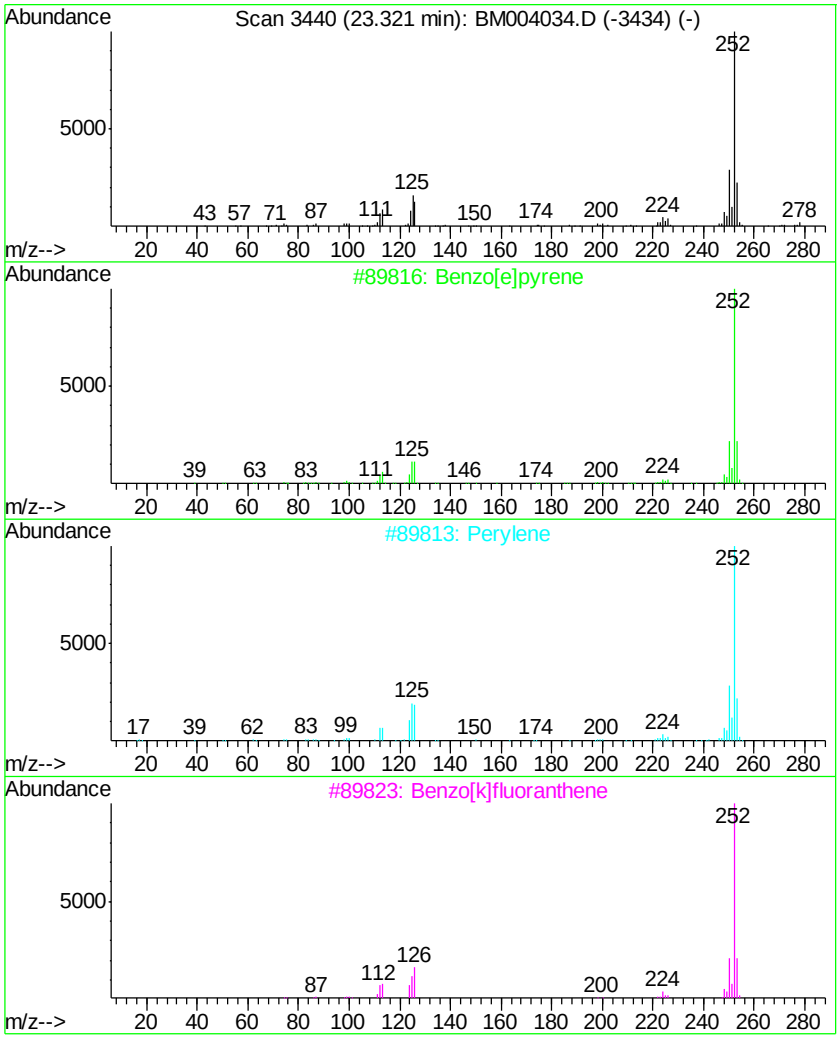
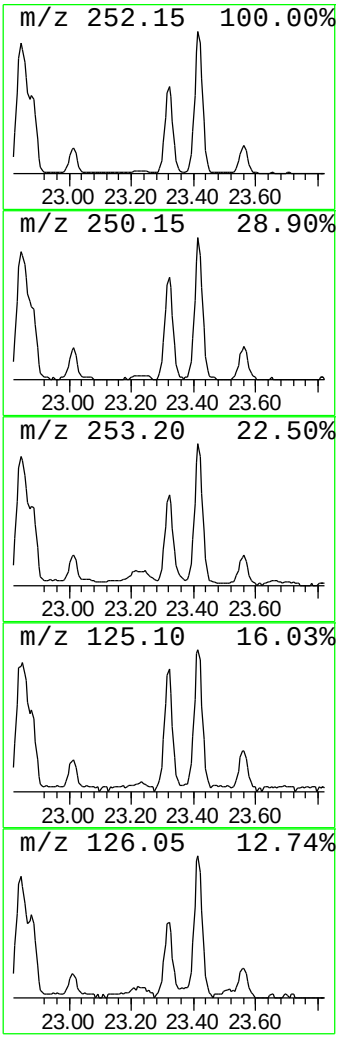
Peak Number 30 Benzo[e]pyrene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
23.32	10.03 ng/ul	245167	Perylene-d12	23.52

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	97
4	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	95
5	Perylene	252	C20H12	000198-55-0	95





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM011516\
Data File : BM004034.D
Acq On : 15 Jan 2016 04:53
Operator : SJ/UM
Sample : H1099-20
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BC9E6

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	2.7	ng/ul	80082	4	17.07	593399	20.0
Thioxanthene	17.65	2.3	ng/ul	66829	4	17.07	593399	20.0
Phenanthrene, 1-m...	17.94	9.6	ng/ul	283634	4	17.07	593399	20.0
Phenanthrene, 2-m...	18.00	10.8	ng/ul	319492	4	17.07	593399	20.0
Anthracene, 1-met...	18.07	2.7	ng/ul	79945	4	17.07	593399	20.0
4H-Cyclopenta[def...	18.14	13.9	ng/ul	413591	4	17.07	593399	20.0
1H-Cyclopropa[l]p...	18.18	7.3	ng/ul	216266	4	17.07	593399	20.0
1,2,4,8-Tetrameth...	18.45	5.3	ng/ul	158149	4	17.07	593399	20.0
9,10-Anthracenedione	18.50	5.1	ng/ul	151536	4	17.07	593399	20.0
Phenanthrene, 2,5...	18.70	2.8	ng/ul	82606	4	17.07	593399	20.0
Phenanthrene, 3,6...	18.75	2.5	ng/ul	74212	4	17.07	593399	20.0
(DEL) Alkane: Str...	18.87	8.3	ng/ul	247617	4	17.07	593399	20.0
Pyrene, 4,5,9,10-...	18.93	5.9	ng/ul	174035	4	17.07	593399	20.0
Cyclopenta(def)ph...	19.02	6.2	ng/ul	183733	4	17.07	593399	20.0
Pyrene, 1-methyl-	19.97	2.0	ng/ul	121412	5	21.27	1205540	20.0
11H-Benzo[b]fluorene	20.00	4.0	ng/ul	241632	5	21.27	1205540	20.0
Benzo[b]naphtho[2...	20.92	2.8	ng/ul	170700	5	21.27	1205540	20.0
Cyclopenta(cd)pyr...	20.96	2.3	ng/ul	138523	5	21.27	1205540	20.0
Benzo[ghi]fluoran...	21.00	2.3	ng/ul	139945	5	21.27	1205540	20.0
11H-Benzo[a]fluor...	21.05	2.3	ng/ul	138941	5	21.27	1205540	20.0
Benz[a]anthracene...	21.83	3.3	ng/ul	195837	5	21.27	1205540	20.0
Azacyclotridecan-...	22.59	2.4	ng/ul	58865	6	23.52	489050	20.0
Benzo[e]pyrene	23.32	10.0	ng/ul	245167	6	23.52	489050	20.0