LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM011516\
Data File : BM004030.D
Acq On : 15 Jan 2016 02:30
Operator : SJ/UM
Sample : H1099-11
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BC9D7

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	3.652	92	96	104	rVV	49210	65635	5.08%	0.313%
2	6.845	633	639	649	rBB	124499	206397	15.99%	0.985%
3	6.998	660	665	675	rBB	106339	161896	12.54%	0.773%
4	7.198	693	699	709	rVB	137713	213041	16.50%	1.017%
5	7.663	772	778	785	rVB	153123	234033	18.13%	1.117%
6	8.375	893	899	906	rBV	89481	139816	10.83%	0.667%
7	8.822	969	975	983	rBV	130240	205307	15.91%	0.980%
8	9.539	1092	1097	1104	rBB	108630	170831	13.23%	0.815%
9	10.081	1183	1189	1201	rBB	163569	266839	20.67%	1.273%
10	10.451	1245	1252	1258	rBV	242059	387130	29.99%	1.847%
11	10.598	1271	1277	1292	rBV	63934	114691	8.89%	0.547%
12	13.727	1804	1809	1814	rVV	316402	448387	34.74%	2.140%
13	13.774	1814	1817	1824	rVB	129019	172297	13.35%	0.822%
14	14.010	1851	1857	1871	rBB	387674	574734	44.53%	2.742%
15	14.321	1903	1910	1916	rBV2	351316	533572	41.34%	2.546%
16	14.539	1942	1947	1958	rBV	105987	169124	13.10%	0.807%
17	15.174	2050	2055	2061	rVB	35801	46267	3.58%	0.221%
18	15.315	2073	2079	2085	rVV	499955	711565	55.13%	3.395%
19	15.368	2085	2088	2093	rVV	28981	41016	3.18%	0.196%
20	15.451	2097	2102	2107	rBV	89555	117721	9.12%	0.562%
21	16.039	2196	2202	2210	rBV2	48732	93138	7.22%	0.444%
22	16.374	2251	2259	2265	rBV4	18120	41589	3.22%	0.198%
23	16.886	2342	2346	2354	rVB2	27798	45621	3.53%	0.218%
24	17.068	2371	2377	2381	rBV	456024	649699	50.33%	3.100%
25	17.109	2381	2384	2389	rVV	384547	544220	42.16%	2.597%
26	17.168	2389	2394	2398	rVV2	533756	768040	59.50%	3.665%
27	17.204	2398	2400	2405	rVB	101402	112118	8.69%	0.535%
28	17.480	2443	2447	2458	rVV	32306	55746	4.32%	0.266%
29	17.651	2470	2476	2485	rVB	30241	47003	3.64%	0.224%
30	17.945	2521	2526	2530	rBV	108347	161162	12.49%	0.769%
31	17.992	2530	2534	2540	rVB	146011	204611	15.85%	0.976%
32	18.074	2543	2548	2553	rBV2	34226	48712	3.77%	0.232%
33	18.139	2553	2559	2563	rVV2	140192	254607	19.72%	1.215%
34	18.180	2563	2566	2575	rVB	79948	109636	8.49%	0.523%

LSC Area Percent Report

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Acq On : 15 Jan 2016 02:30
Operator : SJ/UM
Sample : H1099-11
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BC9D7

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	18.451	2607	2612	2615	rBV2	63355	85002	6.59%	0.406%
36	18.498	2615	2620	2625	rVB2	67789	100237	7.77%	0.478%
37	18.751	2658	2663	2666	rBV	52561	61038	4.73%	0.291%
38	18.786	2666	2669	2673	rVB2	41830	55323	4.29%	0.264%
39	18.874	2678	2684	2689	rBV	124337	208625	16.16%	0.995%
40	18.933	2689	2694	2697	rVV3	47046	85088	6.59%	0.406%
41	18.962	2697	2699	2703	rVB	38663	44418	3.44%	0.212%
42	19.015	2703	2708	2714	rBV3	58692	123172	9.54%	0.588%
43	19.139	2721	2729	2735	rVB	752095	990866	76.76%	4.728%
44	19.203	2735	2740	2743	rBV	29548	39907	3.09%	0.190%
45	19.239	2743	2746	2751	rVB2	30279	39329	3.05%	0.188%
46	19.380	2766	2770	2774	rVV	40502	56976	4.41%	0.272%
47	19.474	2780	2786	2789	rBV3	744034	1151177	89.18%	5.493%
48	19.503	2789	2791	2799	rVB	723585	893392	69.21%	4.263%
49	19.580	2799	2804	2809	rVB2	75996	110547	8.56%	0.527%
50	19.680	2809	2821	2828	rBV3	40437	123289	9.55%	0.588%
51	19.745	2828	2832	2837	rVB3	45688	69523	5.39%	0.332%
52	19.827	2837	2846	2854	rBV4	77766	207397	16.07%	0.990%
53	19.968	2865	2870	2871	rBV4	56071	80775	6.26%	0.385%
54	20.003	2872	2876	2881	rVB	150059	216992	16.81%	1.035%
55	20.103	2889	2893	2897	rVV	113862	150876	11.69%	0.720%
56	20.162	2897	2903	2907	rVV2	119970	203799	15.79%	0.972%
57	20.203	2907	2910	2914	rVV3	30551	43430	3.36%	0.207%
58	20.303	2922	2927	2930	rVV	84988	113332	8.78%	0.541%
59	20.345	2930	2934	2938	rVV	81711	114560	8.88%	0.547%
60	20.562	2967	2971	2974	rBV3	27824	47226	3.66%	0.225%
61	20.597	2974	2977	2980	rVV4	31920	48632	3.77%	0.232%
62	20.715	2992	2997	2999	rBV3	29762	44934	3.48%	0.214%
63	20.756	2999	3004	3010	rVB	70438	124867	9.67%	0.596%
64	20.921	3024	3032	3035	rBV3	96756	177412	13.74%	0.847%
65	20.956	3035	3038	3040	rVV	78743	99128	7.68%	0.473%
66	20.992	3040	3044	3050	rVV3	74432	181287	14.04%	0.865%
67	21.050	3050	3054	3060	rVB2	55701	97074	7.52%	0.463%
68	21.162	3065	3073	3080	rBV3	31991	92464	7.16%	0.441%
69	21.268	3081	3091	3095	rBV2	638728	1290800	100.00%	6.159%
70	21.309	3095	3098	3108	rVB	386982	525054	40.68%	2.505%
71	21.392	3108	3112	3115	rBV2	36748	47471	3.68%	0.227%

LSC Area Percent Report

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Sample : H1099-11
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BC9D7

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

72	21.427	3115	3118	3124	rBV	57151	86596	6.71%	0.413%
73	21.492	3125	3129	3135	rBV6	19480	46415	3.60%	0.221%
74	21.592	3141	3146	3150	rBV3	42489	67531	5.23%	0.322%
75	21.768	3172	3176	3179	rVV	32494	47781	3.70%	0.228%
76	21.821	3179	3185	3189	rVV	118527	223259	17.30%	1.065%
77	21.874	3189	3194	3200	rVV	80888	167778	13.00%	0.801%
78	21.939	3202	3205	3208	rVV2	42688	68747	5.33%	0.328%
79	21.974	3208	3211	3215	rVV3	42445	71387	5.53%	0.341%
80	22.021	3215	3219	3222	rVV3	66513	108847	8.43%	0.519%
81	22.050	3222	3224	3230	rVB3	54281	72951	5.65%	0.348%
82	22.115	3231	3235	3240	rVB3	38263	62218	4.82%	0.297%
83	22.309	3264	3268	3283	rVB10	33599	117986	9.14%	0.563%
84	22.439	3283	3290	3293	rBV2	56309	106430	8.25%	0.508%
85	22.586	3311	3315	3322	rVV5	26415	54937	4.26%	0.262%
86	22.844	3349	3359	3363	rBV	225475	544888	42.21%	2.600%
87	23.009	3382	3387	3393	rBV	45497	71257	5.52%	0.340%
88	23.138	3405	3409	3417	rBV4	19075	48336	3.74%	0.231%
89	23.315	3433	3439	3443	rBV	138277	264840	20.52%	1.264%
90	23.368	3443	3448	3452	rVV	374299	686090	53.15%	3.274%
91	23.415	3452	3456	3462	rVV	216266	374417	29.01%	1.787%
92	23.509	3465	3472	3477	rVV	290941	551202	42.70%	2.630%
93	23.556	3477	3480	3489	rVB2	60318	122007	9.45%	0.582%
94	24.003	3550	3556	3562	rBV3	27278	66848	5.18%	0.319%
95	24.750	3677	3683	3691	rBV4	20045	49166	3.81%	0.235%
96	25.756	3845	3854	3864	rVB	98550	281860	21.84%	1.345%
97	26.109	3906	3914	3919	rBV3	16695	43427	3.36%	0.207%
98	26.444	3963	3971	3984	rVB	56029	168767	13.07%	0.805%
99	26.626	3995	4002	4018	rVB9	14946	59702	4.63%	0.285%
100	26.809	4025	4033	4048	rVB2	14773	59691	4.62%	0.285%

Sum of corrected areas: 20956981

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM011516\
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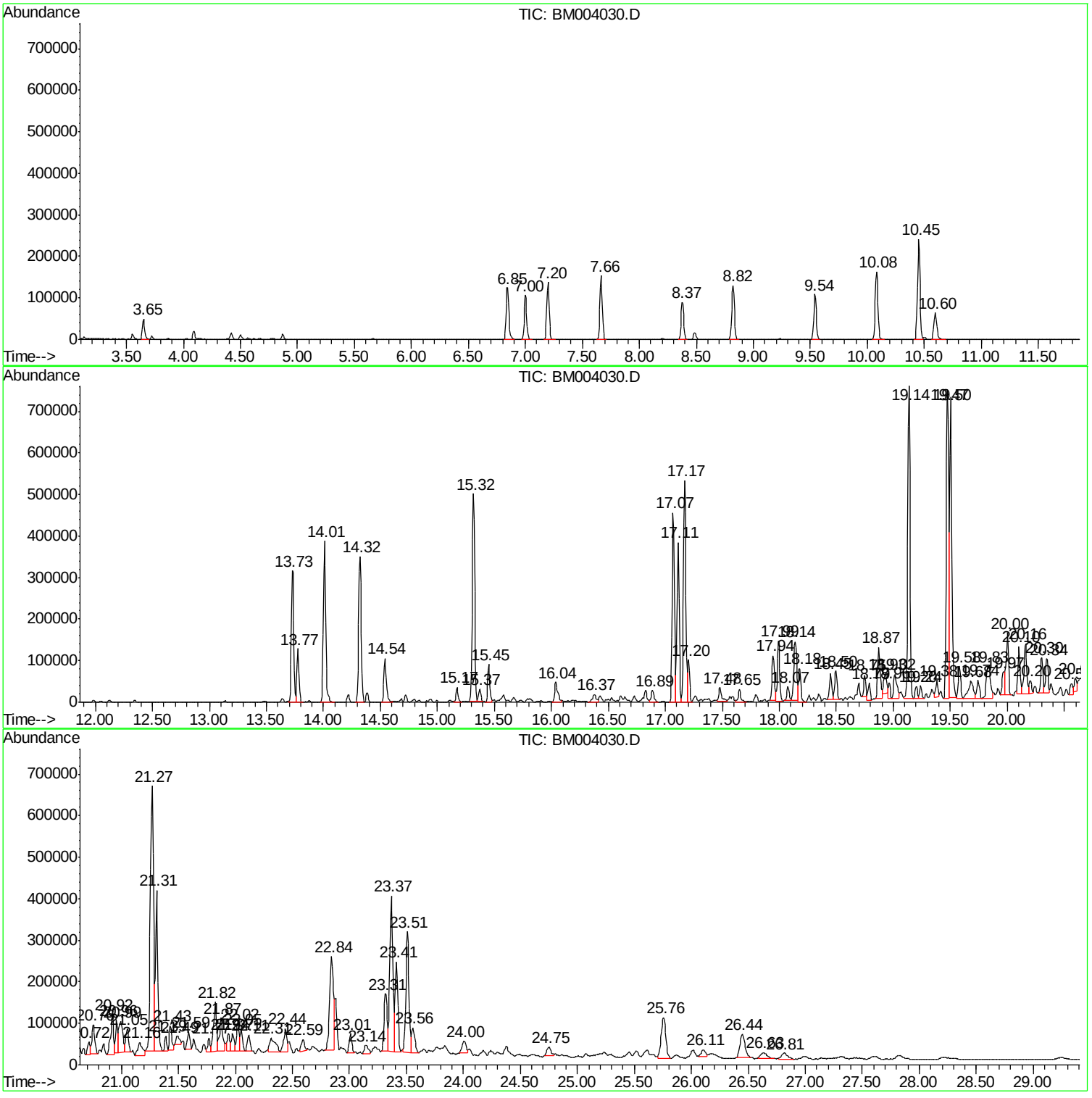
Instrument : BNA_M
ClientSampleId : BC9D7

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\BM011516\
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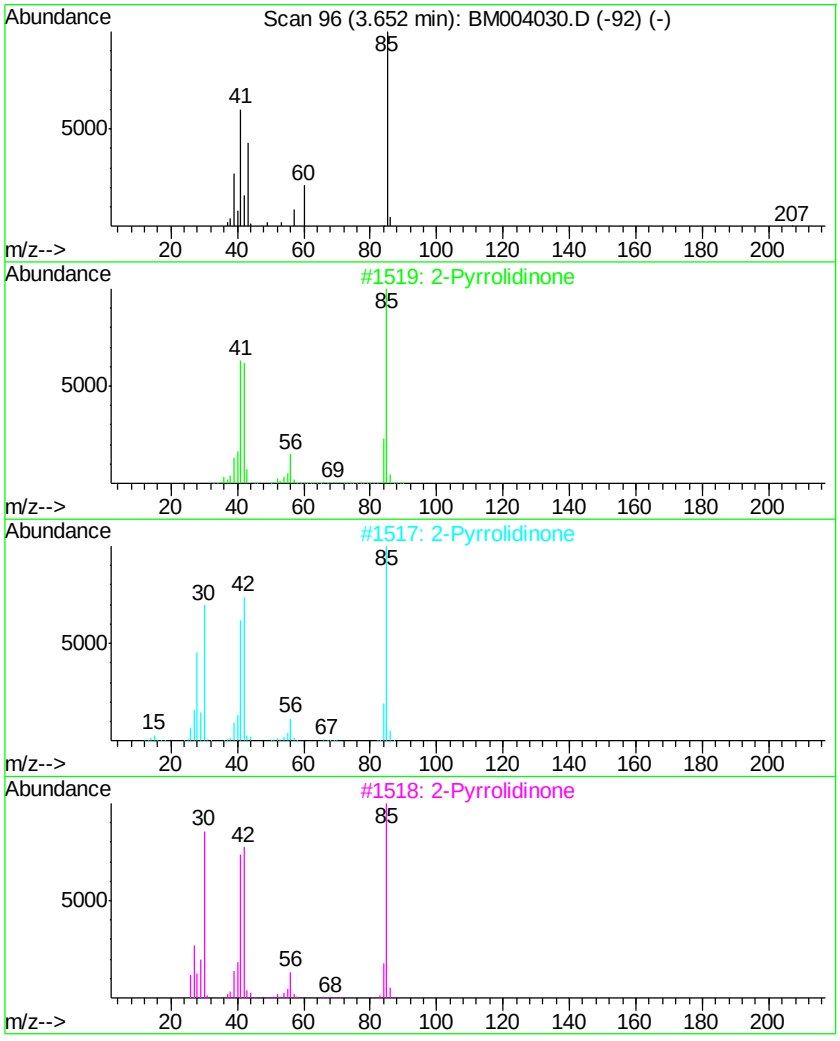
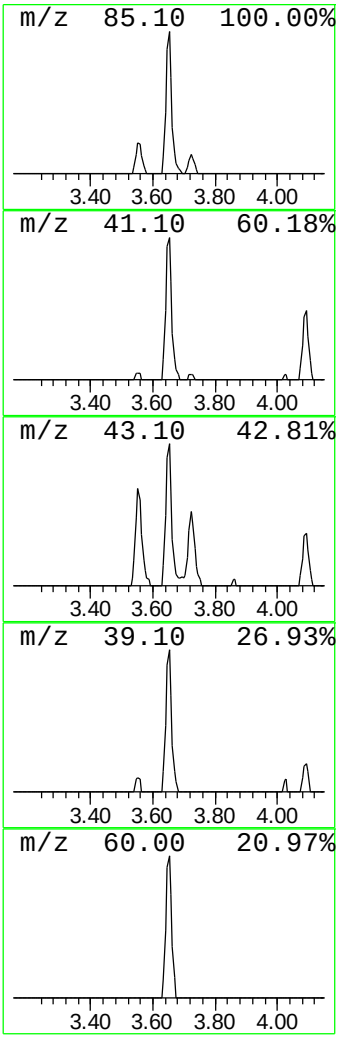
****

Peak Number 1 2-Pyrrolidinone Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.65	5.61 ng/ul	65635	1,4-Dichlorobenzene-d4	7.66

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pyrrolidinone	85	C4H7NO	000616-45-5	53
2	2-Pyrrolidinone	85	C4H7NO	000616-45-5	33
3	2-Pyrrolidinone	85	C4H7NO	000616-45-5	9
4	Methacrylamide	85	C4H7NO	000079-39-0	7
5	3H-1,2,4-Triazol-3-one, 1,2-dihy...	85	C2H3N3O	000930-33-6	4





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM011516\
Data File : BM004030.D
Acq On : 15 Jan 2016 02:30
Operator : SJ/UM
Sample : H1099-11
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BC9D7

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

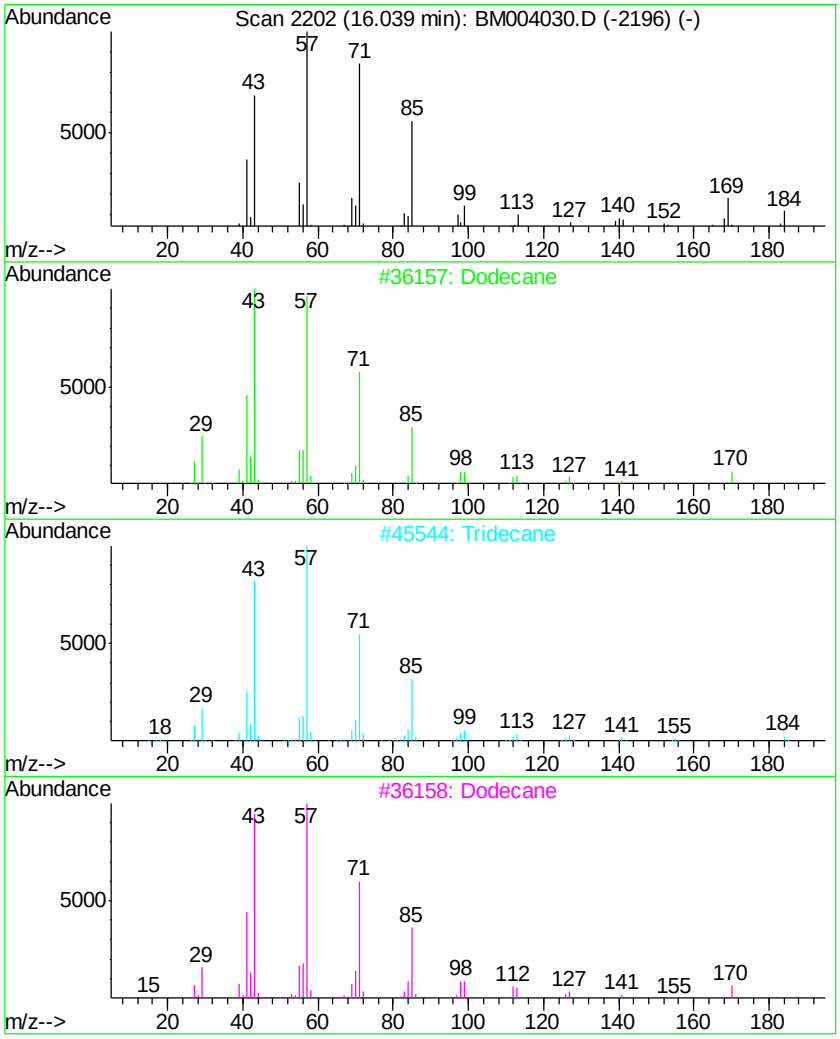
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

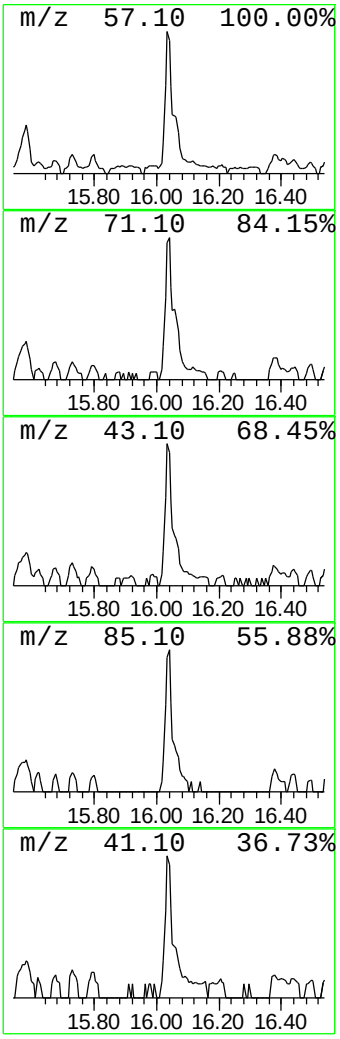
****

Peak Number 2 (DEL) Alkane: Straight-Chai... Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.04	2.87 ng/ul	93138	Phenanthrene-d10	17.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dodecane	170	C12H26	000112-40-3	87
2	Tridecane	184	C13H28	000629-50-5	87
3	Dodecane	170	C12H26	000112-40-3	87
4	Nonadecane	268	C19H40	000629-92-5	83
5	Tetracosane	338	C24H50	000646-31-1	83





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Sample : H1099-11
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Instrument : BNA_M
ClientSampleId : BC9D7

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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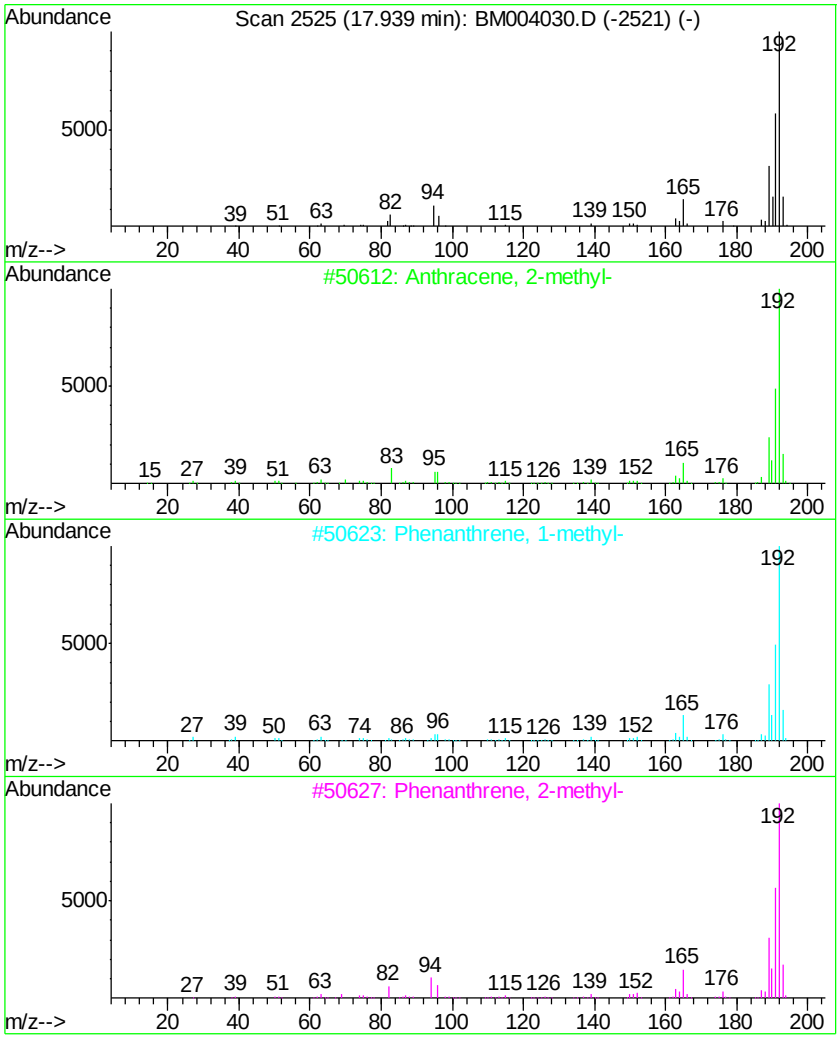
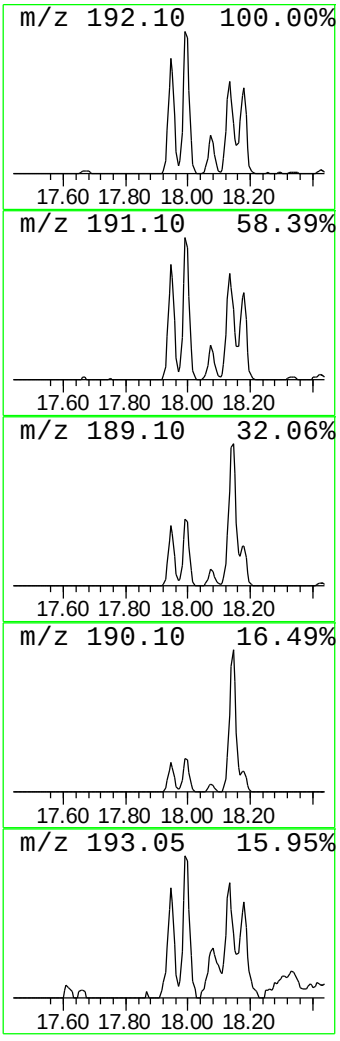
Peak Number 3 Anthracene, 2-methyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.94	4.96 ng/ul	161162	Phenanthrene-d10	17.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 2-methyl-	192	C15H12	000613-12-7	97
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	97
3	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
4	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	95
5	Anthracene, 9-methyl-	192	C15H12	000779-02-2	95





Data Path : Z:\HPCHEM1\BNA_M\DATA\BM011516\
Data File : BM004030.D
Acq On : 15 Jan 2016 02:30
Operator : SJ/UM
Sample : H1099-11
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BC9D7

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

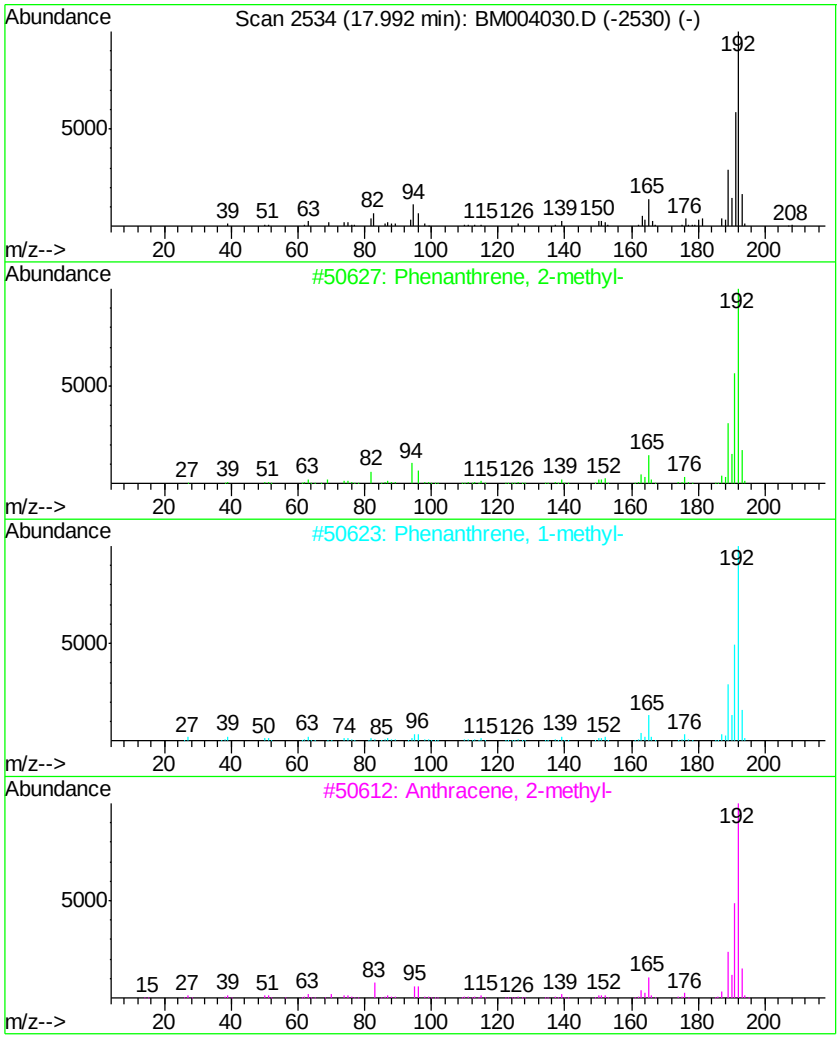
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

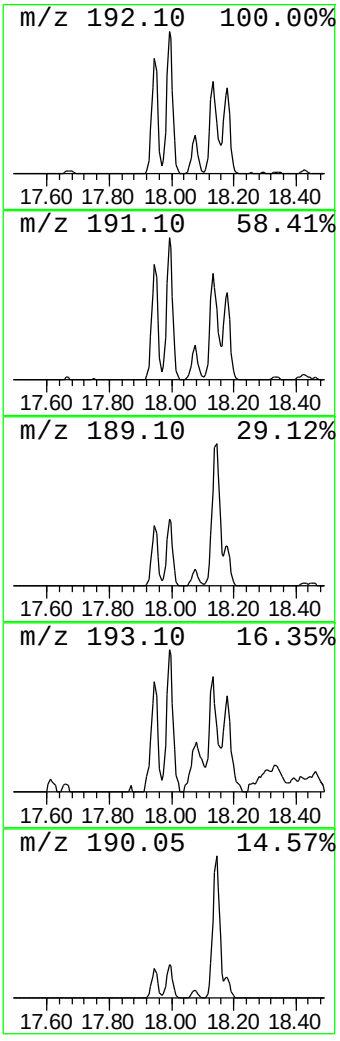
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.99	6.30 ng/ul	204611	Phenanthrene-d10	17.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	98
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	97
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
4	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
5	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	95





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Data File : BM004030.D
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Sample : H1099-11
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BC9D7

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

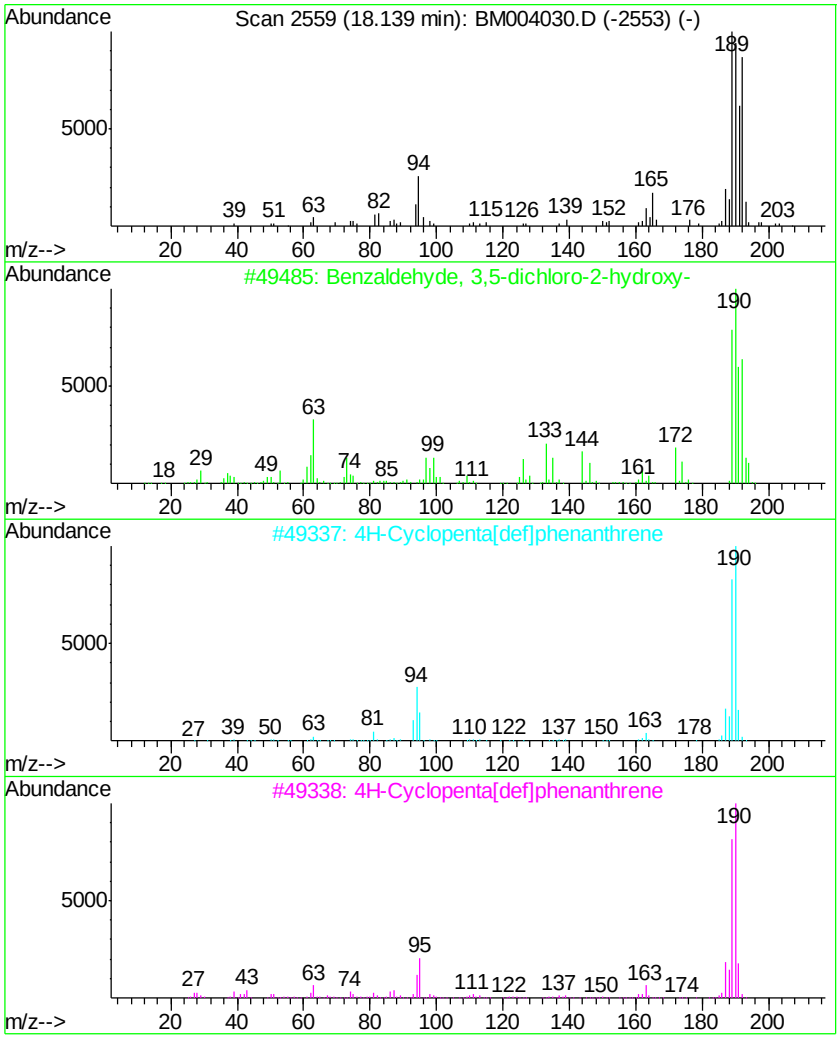
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

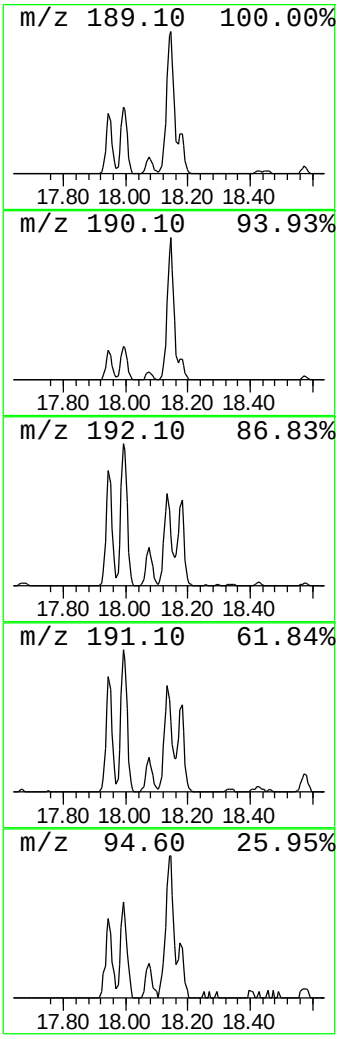
****

Peak Number 5 Benzaldehyde, 3,5-dichloro-... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.14	7.84 ng/ul	254607	Phenanthrene-d10	17.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzaldehyde, 3,5-dichloro-2-hyd...	190	C7H4Cl2O2	000090-60-8	72
2	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	60
3	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	55
4	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	49
5	5H-Dibenzo[a,d]cycloheptene	192	C15H12	000256-81-5	46





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Acq On : 15 Jan 2016 02:30
Operator : SJ/UM
Sample : H1099-11
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BC9D7

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

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

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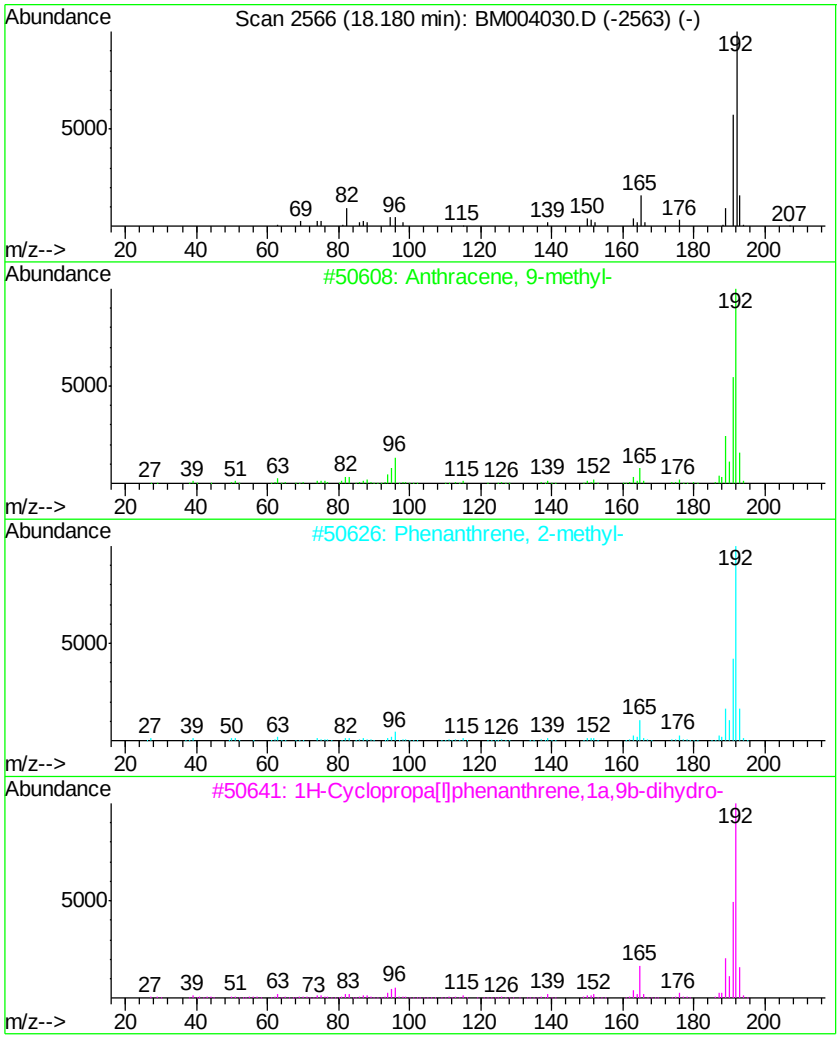
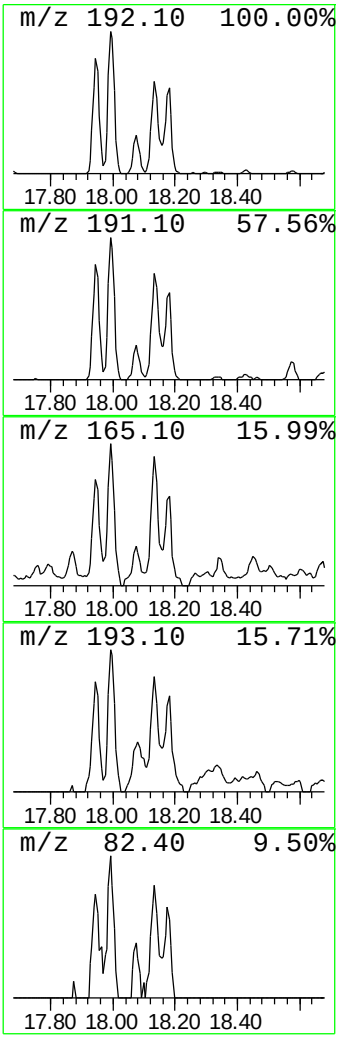
Peak Number 6 Anthracene, 9-methyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.18	3.37 ng/ul	109636	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, 2-methyl-	192	C15H12	002531-84-2	90
3	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	90
4	Anthracene, 2-methyl-	192	C15H12	000613-12-7	90
5	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	90





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Acq On : 15 Jan 2016 02:30
Operator : SJ/UM
Sample : H1099-11
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BC9D7

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

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

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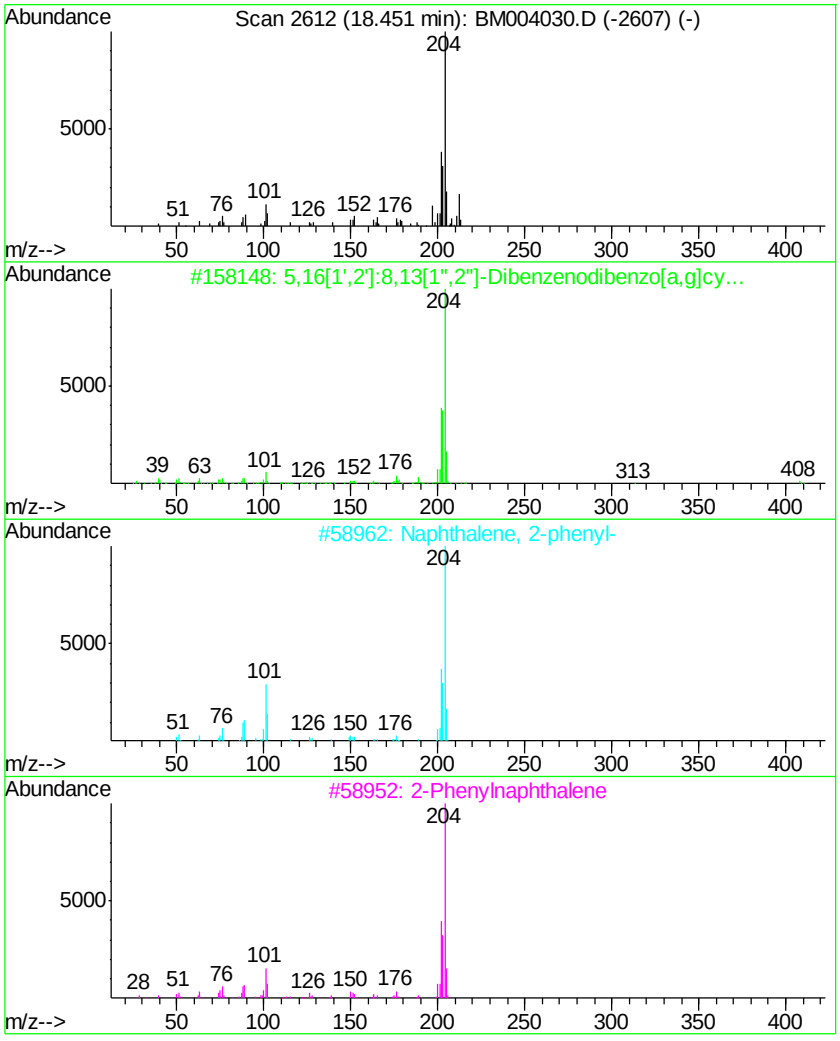
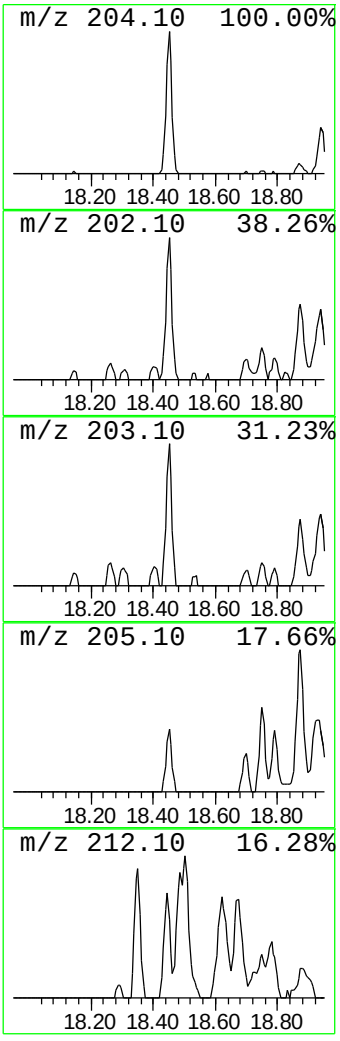
Peak Number 7 5,16[1',2']:8,13[1'',2'']-D... Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.45	2.62 ng/ul	85002	Phenanthrene-d10	17.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	72
2	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	64
3	2-Phenylnaphthalene	204	C16H12	035465-71-5	64
4	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	64
5	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	64





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Sample : H1099-11
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BC9D7

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Quant Title : SVOA CALIBRATION

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

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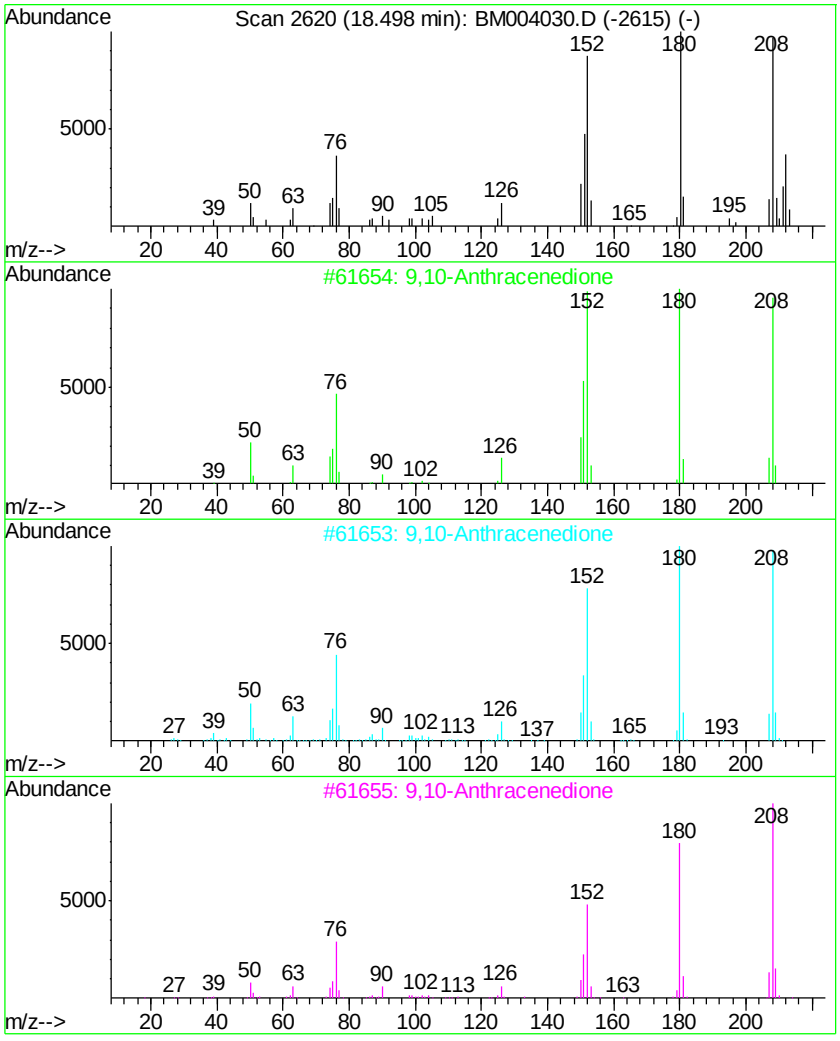
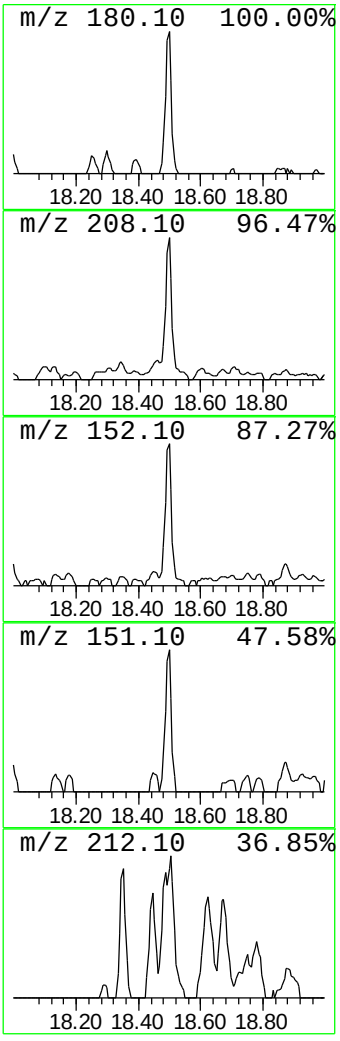
Peak Number 8 9,10-Anthracenedione Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.50	3.09 ng/ul	100237	Phenanthrene-d10	17.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Anthracenedione	208	C14H8O2	000084-65-1	98
2	9,10-Anthracenedione	208	C14H8O2	000084-65-1	96
3	9,10-Anthracenedione	208	C14H8O2	000084-65-1	93
4	Benzo[c]cinnoline	180	C12H8N2	000230-17-1	90
5	1H-Phenalen-1-one	180	C13H8O	000548-39-0	55





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Instrument : BNA_M
ClientSampleId : BC9D7

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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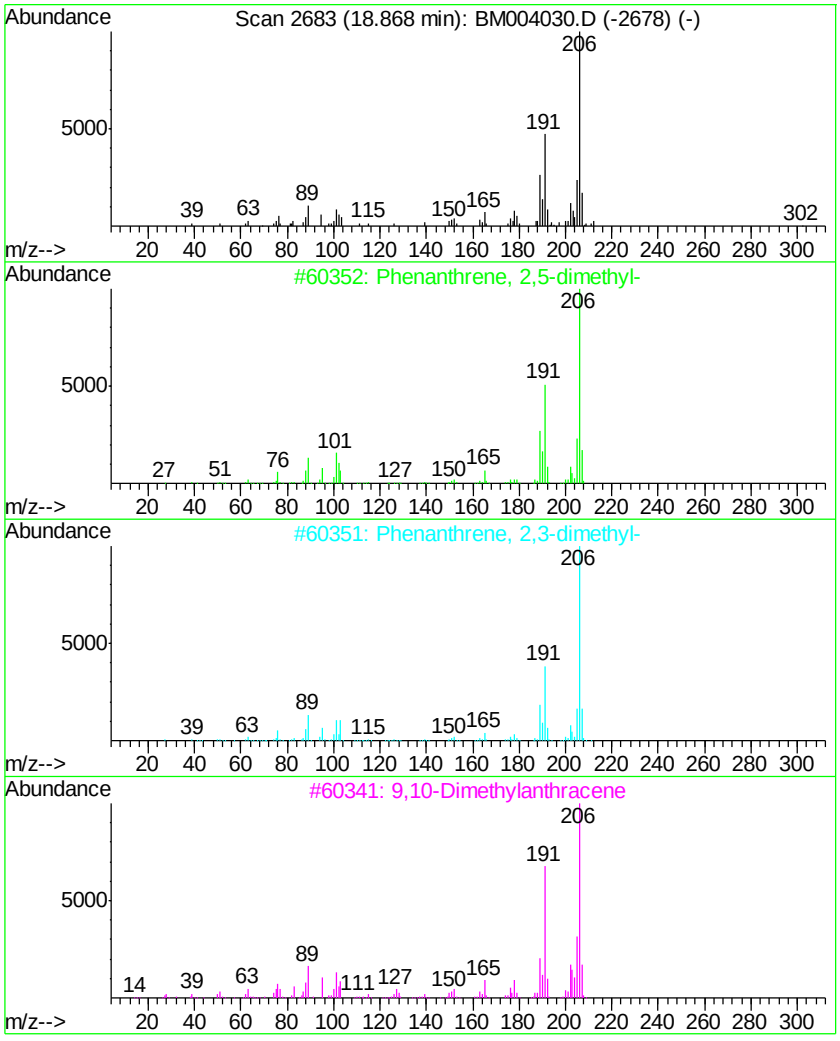
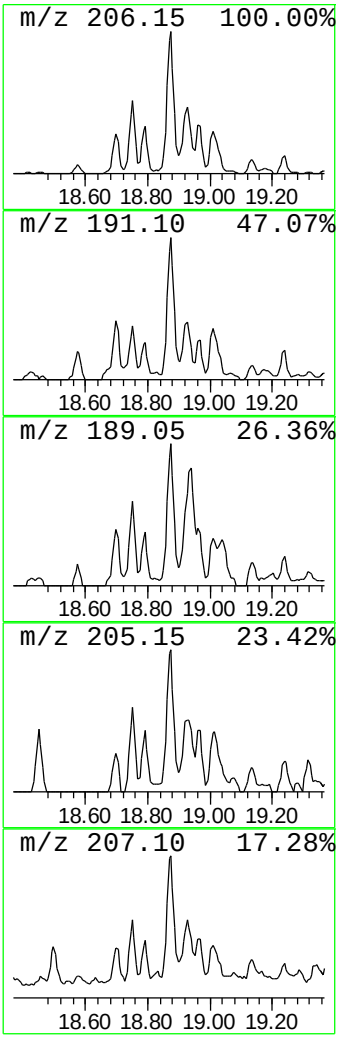
Peak Number 9 Phenanthrene, 2,5-dimethyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.87	6.42 ng/ul	208625	Phenanthrene-d10	17.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	95
2	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	93
3	9,10-Dimethylanthracene	206	C16H14	000781-43-1	91
4	9,10-Dimethylanthracene	206	C16H14	000781-43-1	91
5	di-p-Tolylacetylene	206	C16H14	002789-88-0	91





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Operator : SJ/UM
Sample : H1099-11
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BC9D7

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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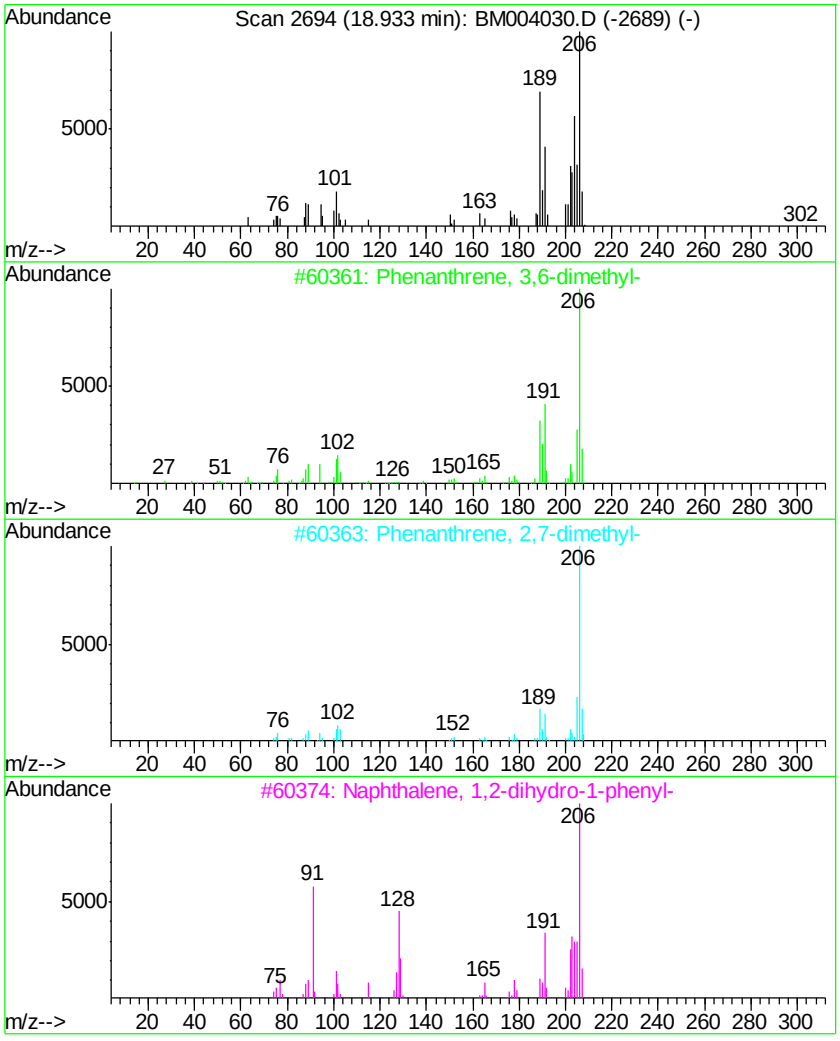
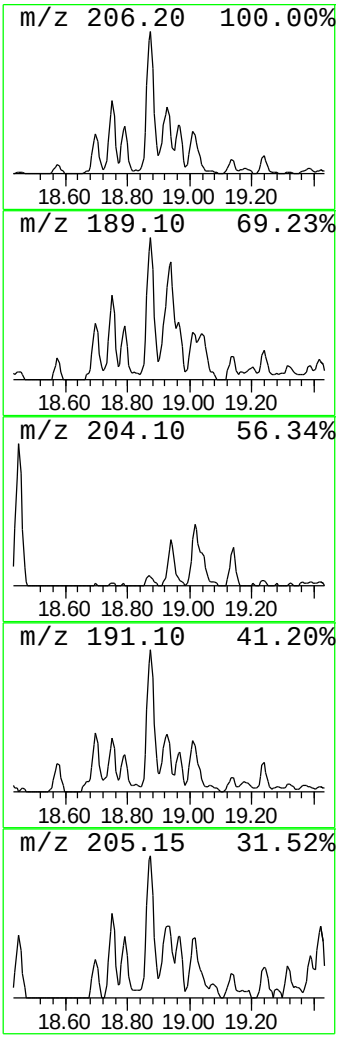
Peak Number 10 Phenanthrene, 3,6-dimethyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.93	2.62 ng/ul	85088	Phenanthrene-d10	17.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	78
2	Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	58
3	Naphthalene, 1,2-dihydro-1-phenyl-	206	C16H14	016606-46-5	55
4	Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	53
5	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	52





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Sample : H1099-11
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BC9D7

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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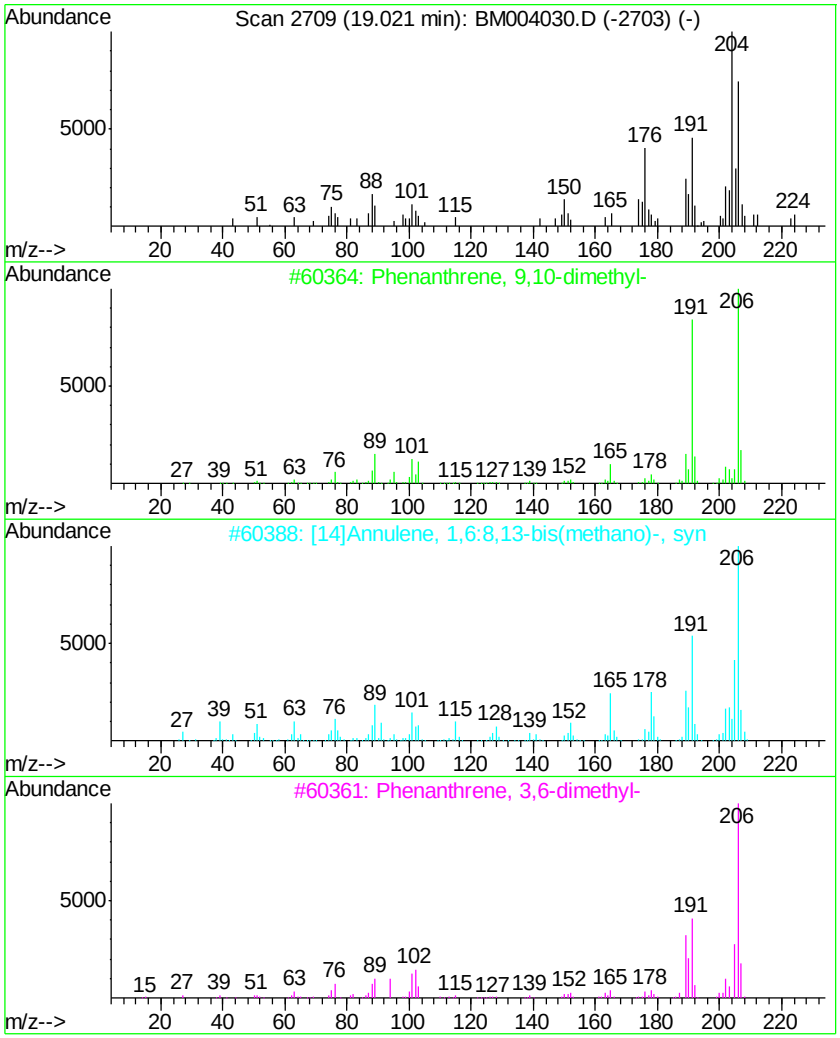
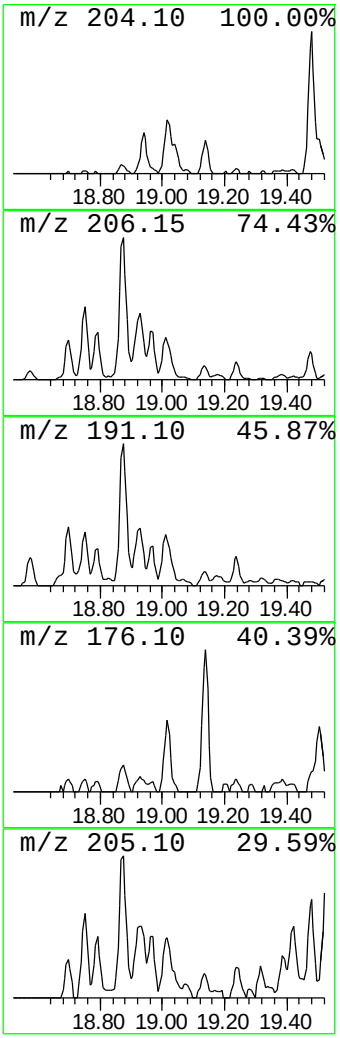
Peak Number 11 Phenanthrene, 9,10-dimethyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.02	3.79 ng/ul	123172	Phenanthrene-d10	17.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 9,10-dimethyl-	206	C16H14	000604-83-1	83
2	[14]Annulene, 1,6:8,13-bis(metha...	206	C16H14	085385-68-8	70
3	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	55
4	9,10-Dimethylanthracene	206	C16H14	000781-43-1	50
5	Benzene, (2-methylene-1-phenylcy...	206	C16H14	025152-47-0	46





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Acq On : 15 Jan 2016 02:30
Operator : SJ/UM
Sample : H1099-11
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BC9D7

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

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

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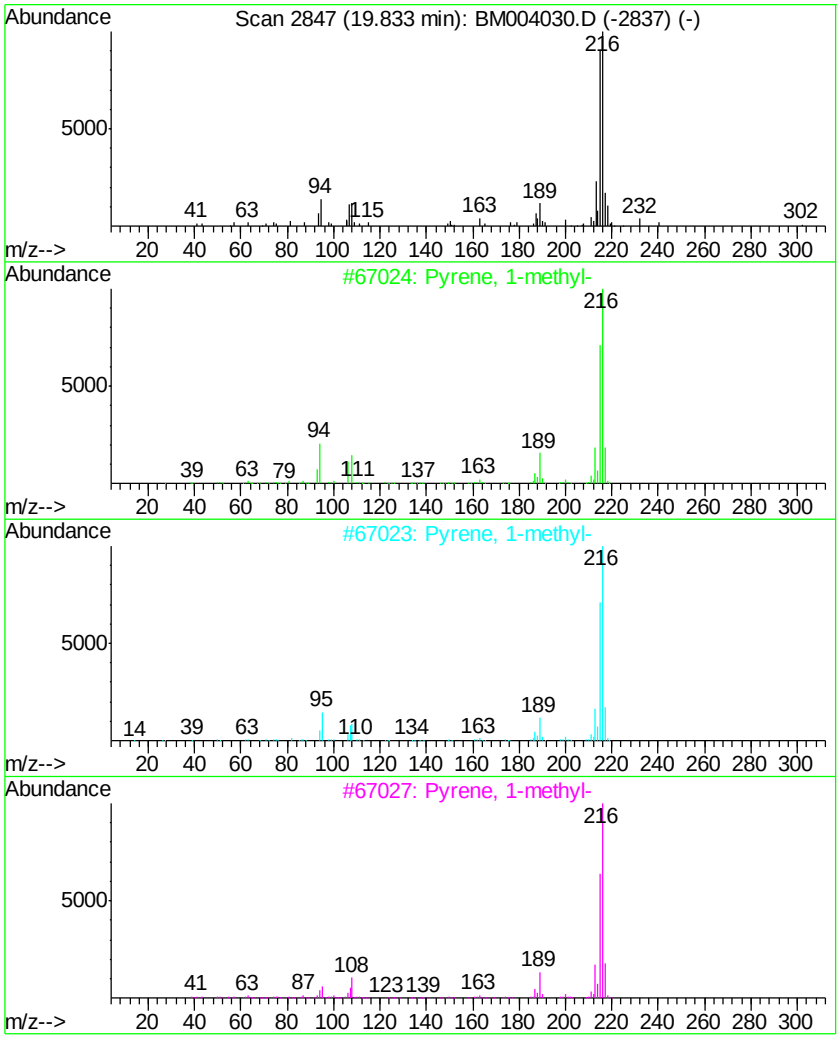
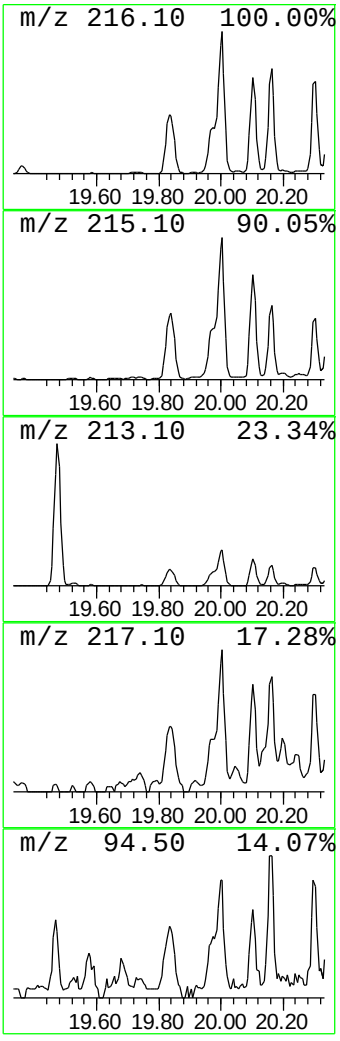
Peak Number 12 Pyrene, 1-methyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.83	3.21 ng/ul	207397	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	Pyrene, 1-methyl-	216	C17H12	002381-21-7	92
4	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	90
5	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	83





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Sample : H1099-11
Misc :
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Instrument : BNA_M
ClientSampleId : BC9D7

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Quant Title : SVOA CALIBRATION

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

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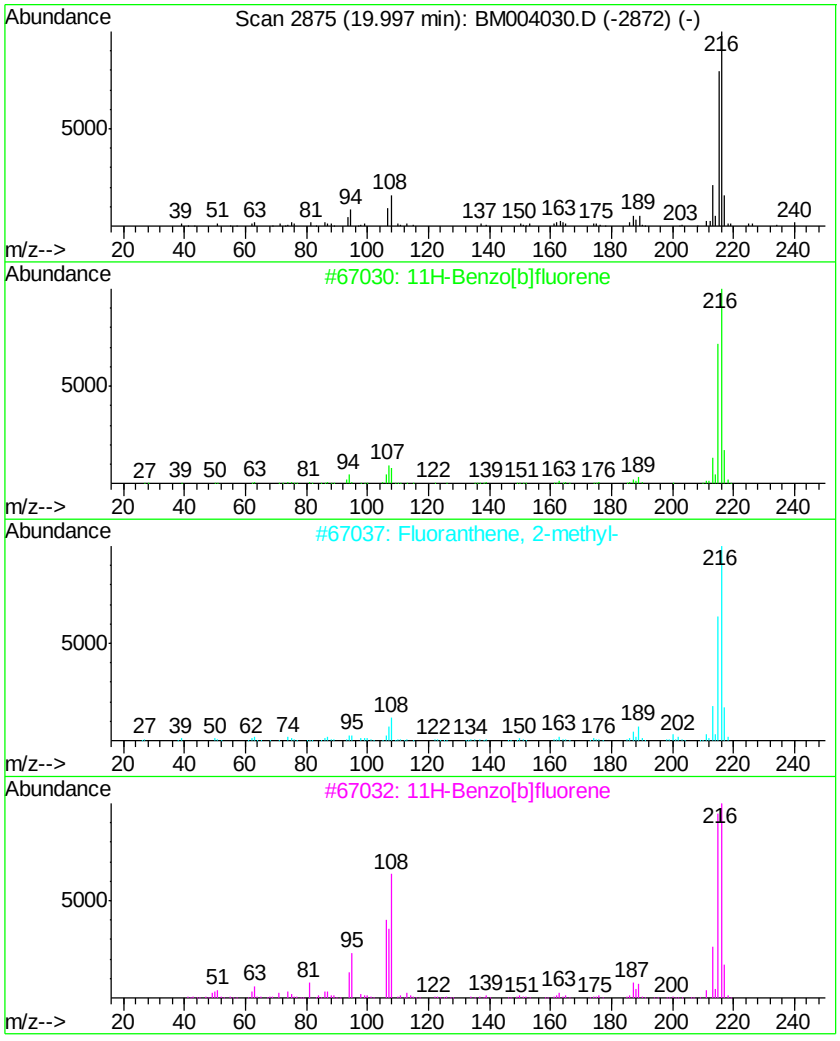
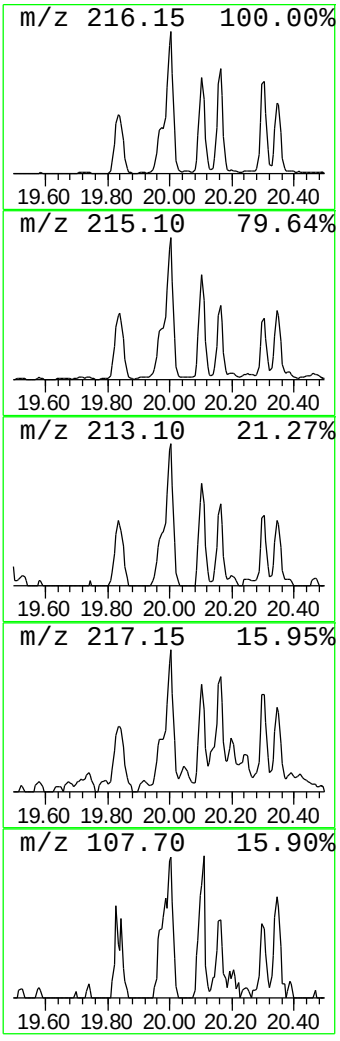
Peak Number 13 11H-Benzo[b]fluorene Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.00	3.36 ng/ul	216992	Chrysene-d12	21.27

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	93
2	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	91
3	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	91
4	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	91
5	Pyrene, 1-methyl-	216	C17H12	002381-21-7	90





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Sample : H1099-11
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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
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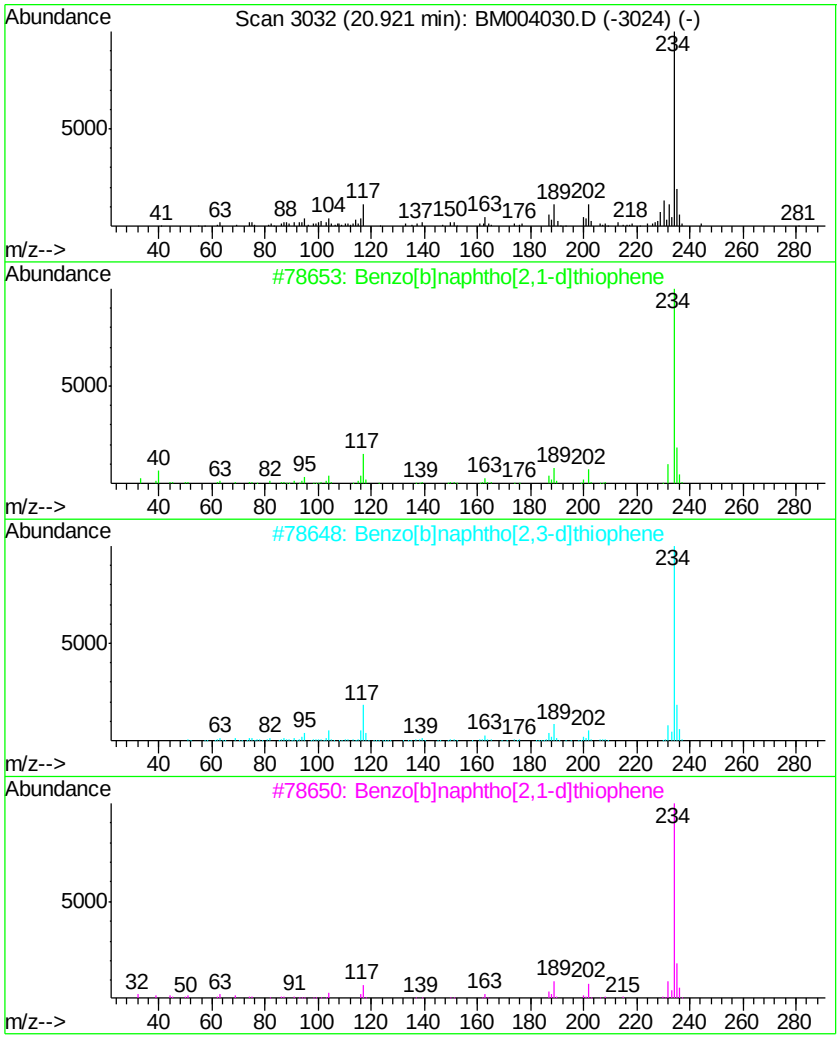
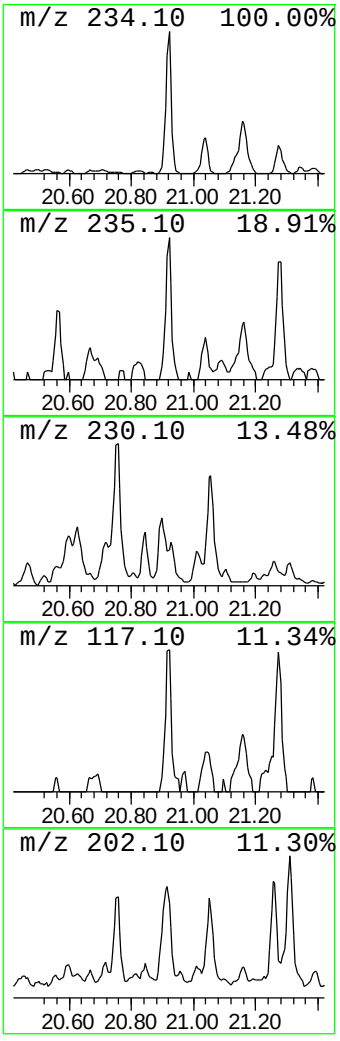
Peak Number 16 Benzo[b]naphtho[2,1-d]thiop... Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.92	2.75 ng/ul	177412	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	94
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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Sample : H1099-11
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Quant Title : SVOA CALIBRATION

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

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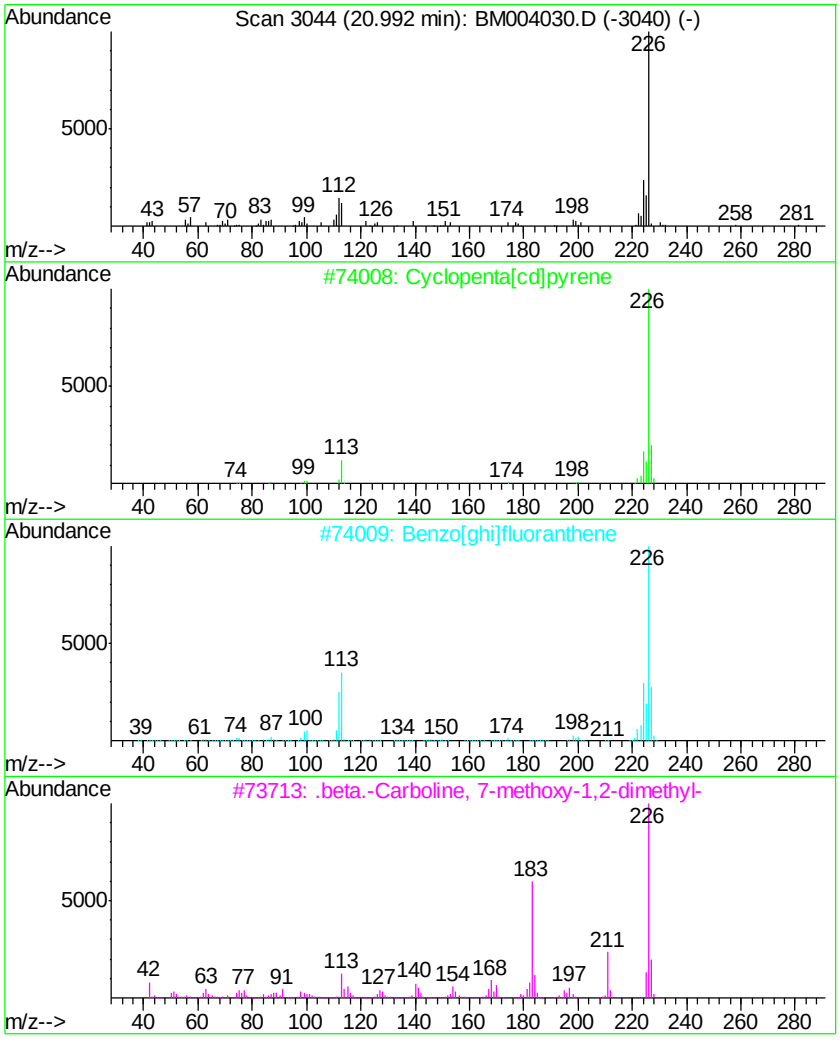
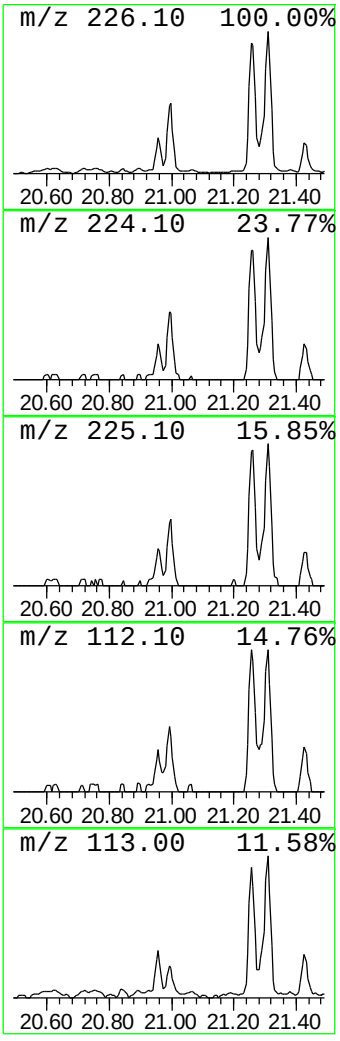
Peak Number 17 Cyclopenta[cd]pyrene Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.99	2.81 ng/ul	181287	Chrysene-d12	21.27

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta[cd]pyrene	226	C18H10	027208-37-3	59
2	Benzo[ghi]fluoranthene	226	C18H10	000203-12-3	43
3	.beta.-Carboline, 7-methoxy-1,2-...	226	C14H14N2O	006519-18-2	40
4	1,3-Diamino-5,6-dihydro-9-methyl...	226	C13H14N4	037436-39-8	33
5	Anthracene, 1,8-diethynyl-	226	C18H10	078053-58-4	12





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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
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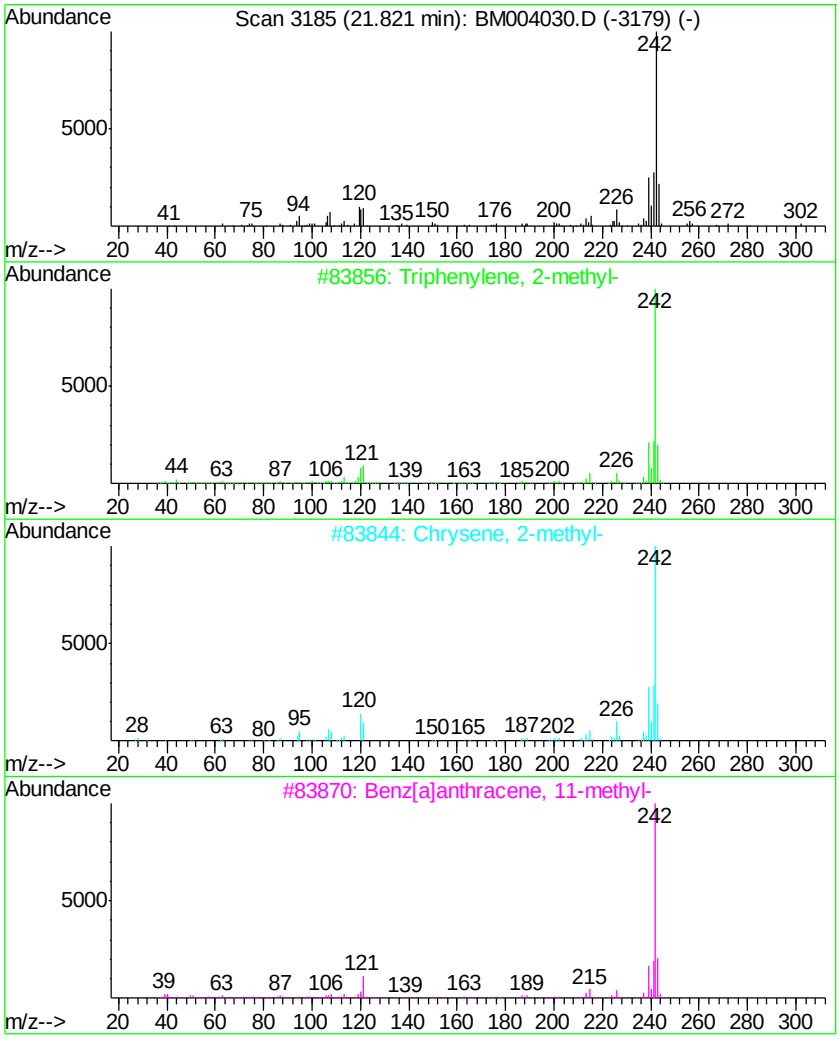
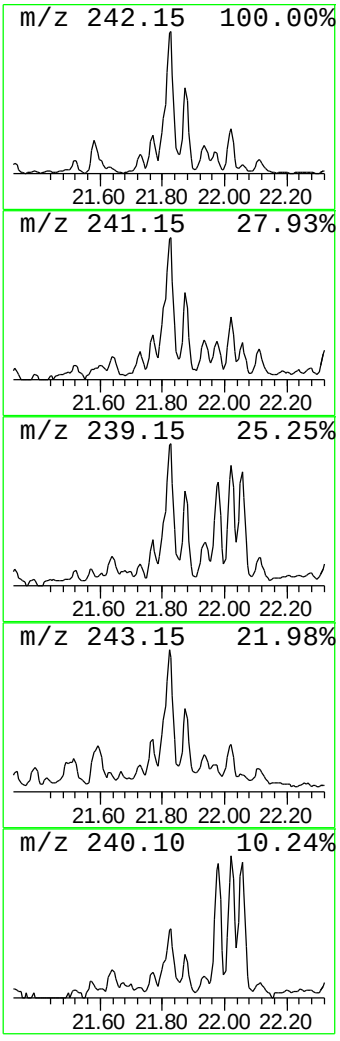
Peak Number 18 Triphenylene, 2-methyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.82	3.46 ng/ul	223259	Chrysene-d12	21.27

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Triphenylene, 2-methyl-	242	C19H14	001705-84-6	93
2	Chrysene, 2-methyl-	242	C19H14	003351-32-4	90
3	Benz[a]anthracene, 11-methyl-	242	C19H14	006111-78-0	90
4	Chrysene, 6-methyl-	242	C19H14	003697-24-3	90
5	Chrysene, 6-methyl-	242	C19H14	001705-85-7	89





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Sample : H1099-11
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BC9D7

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Quant Title : SVOA CALIBRATION

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

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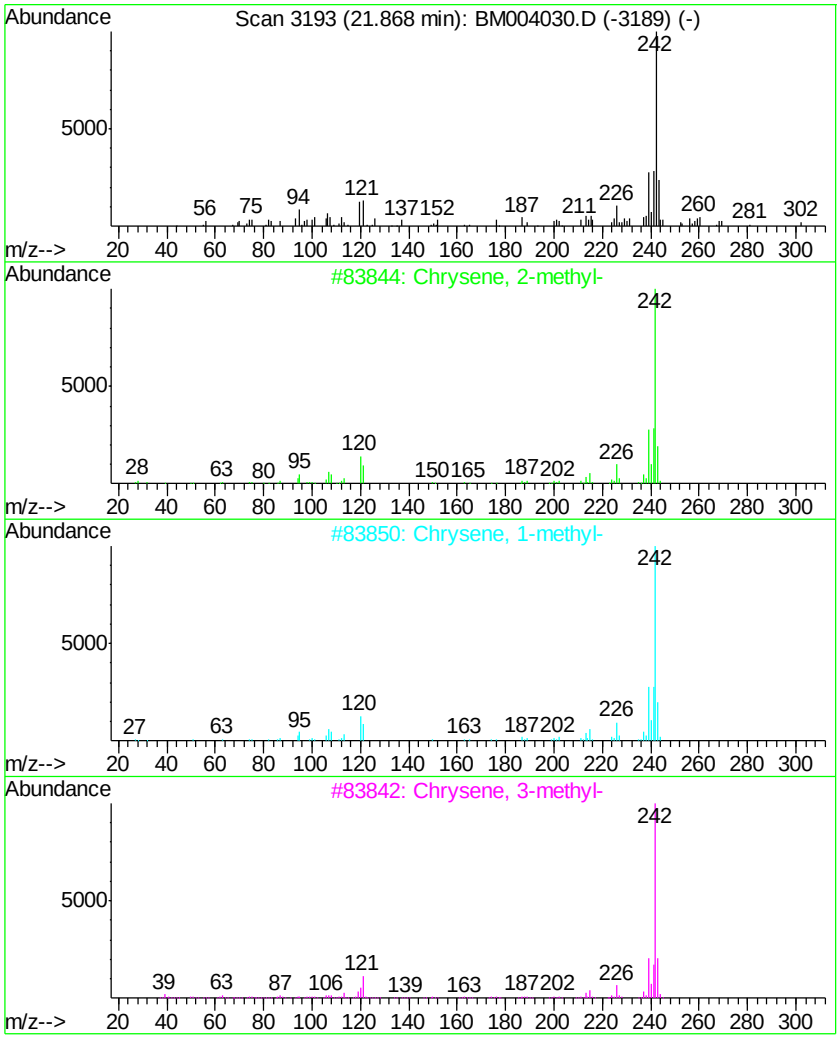
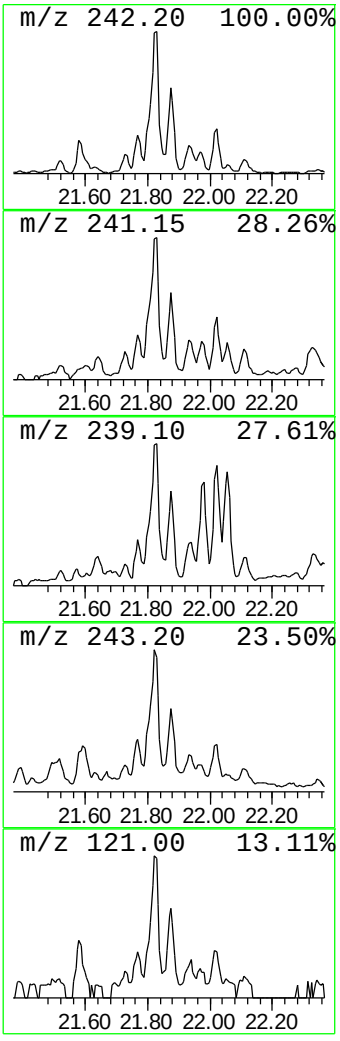
Peak Number 19 Chrysene, 2-methyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.87	2.60 ng/ul	167778	Chrysene-d12	21.27

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Chrysene, 2-methyl-	242	C19H14	003351-32-4	95
2	Chrysene, 1-methyl-	242	C19H14	003351-28-8	95
3	Chrysene, 3-methyl-	242	C19H14	003351-31-3	93
4	Triphenylene, 2-methyl-	242	C19H14	001705-84-6	90
5	Chrysene, 6-methyl-	242	C19H14	003697-24-3	83





Data Path : Z:\HPCHEM1\BNA_M\DATA\BM011516\
Data File : BM004030.D
Acq On : 15 Jan 2016 02:30
Operator : SJ/UM
Sample : H1099-11
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BC9D7

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

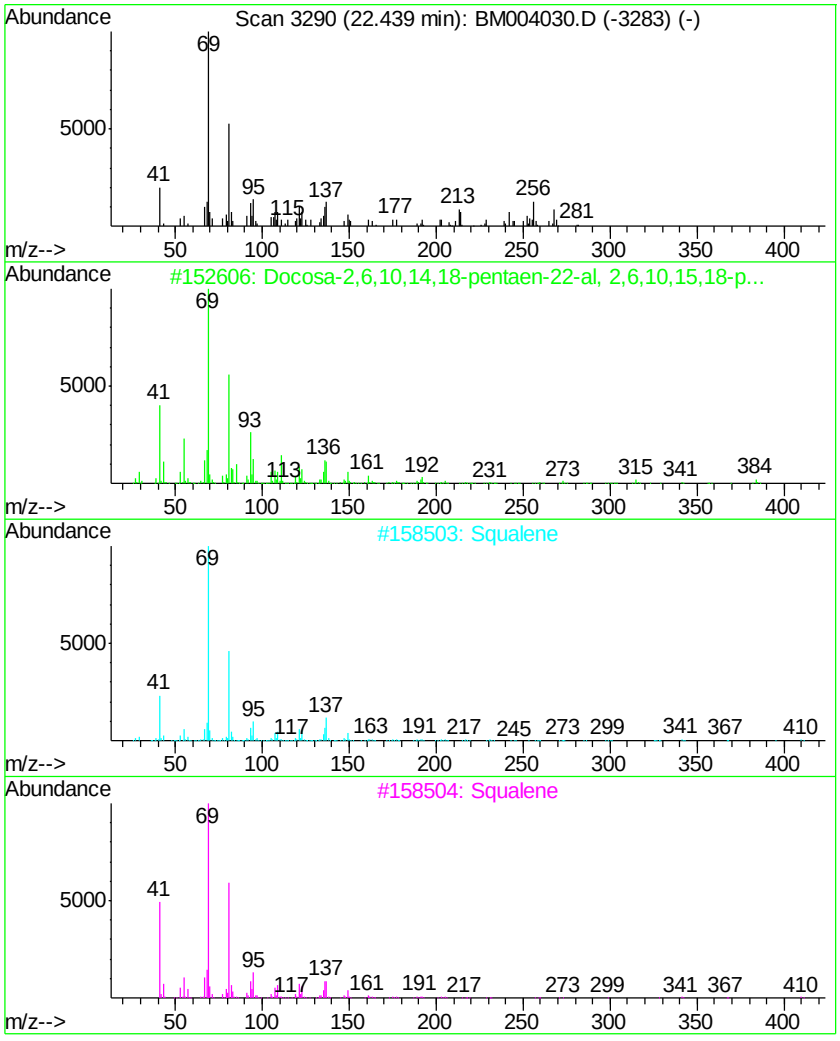
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

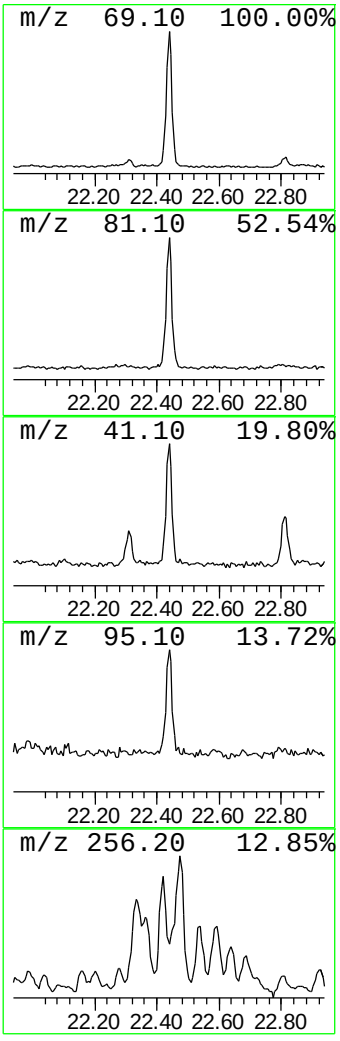
****

Peak Number 20 Docosa-2,6,10,14,18-pentaen... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.44	3.86 ng/ul	106430	Perylene-d12	23.51

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Docosa-2,6,10,14,18-pentaen-22-a...	384	C27H44O	1000163-04-7	74
2	Squalene	410	C30H50	007683-64-9	74
3	Squalene	410	C30H50	007683-64-9	74
4	2,6,10,14,18,22-Tetracosahexaene...	410	C30H50	000111-02-4	72
5	7,11-Dimethyldodeca-2,6,10-trien...	208	C14H24O	125529-10-4	58





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM011516\
Data File : BM004030.D
Acq On : 15 Jan 2016 02:30
Operator : SJ/UM
Sample : H1099-11
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BC9D7

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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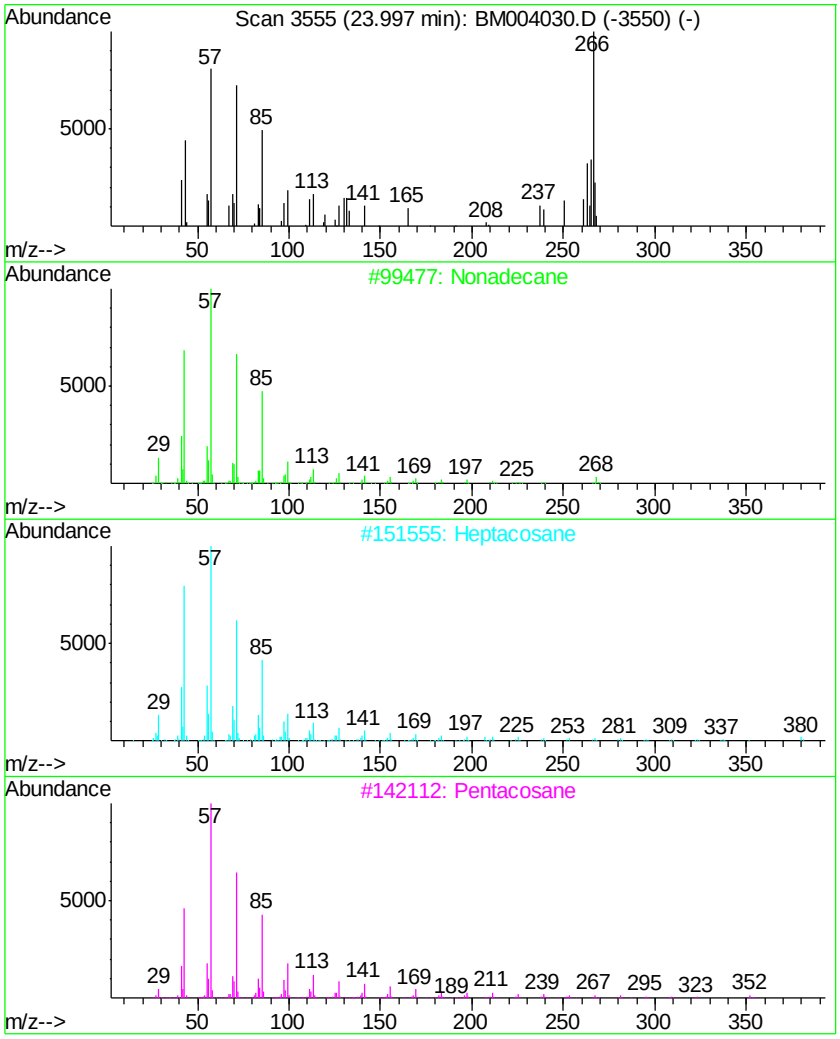
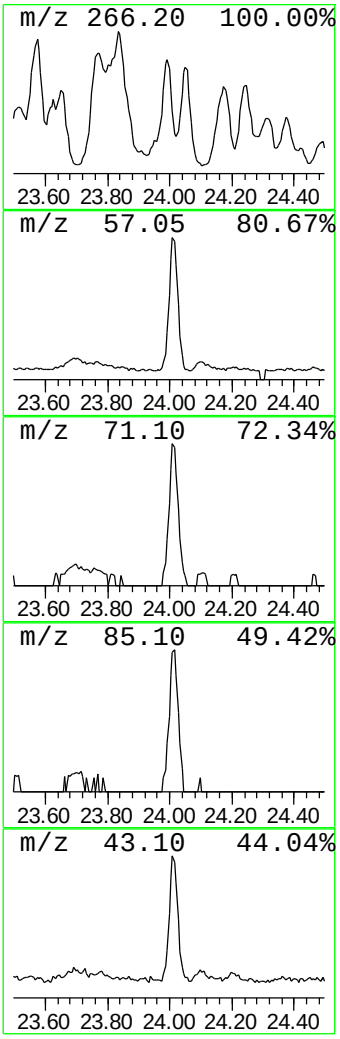
Peak Number 23 (DEL) Alkane: Straight-Chai... Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
24.00	2.43 ng/ul	66848	Perylene-d12	23.51

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Nonadecane	268	C19H40	000629-92-5	50
2	Heptacosane	380	C27H56	000593-49-7	49
3	Pentacosane	352	C25H52	000629-99-2	49
4	Nonadecane	268	C19H40	000629-92-5	45
5	Octacosane	394	C28H58	000630-02-4	45





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM011516\
Data File : BM004030.D
Acq On : 15 Jan 2016 02:30
Operator : SJ/UM
Sample : H1099-11
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BC9D7

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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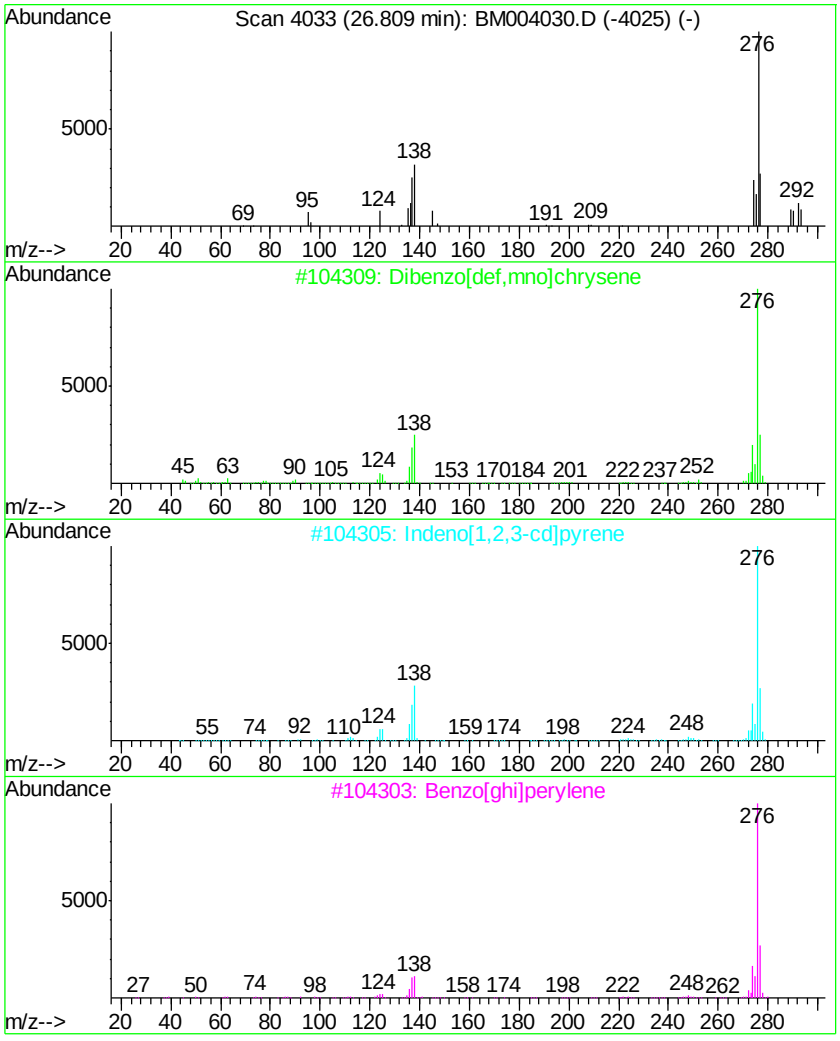
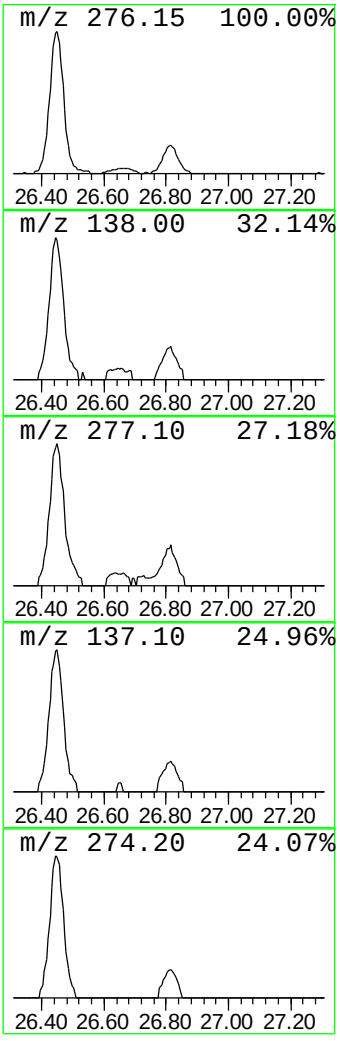
Peak Number 25 Dibenzo[def,mno]chrysene Concentration Rank 25

R.T.	EstConc	Area	Relative to ISTD	R.T.
26.81	2.17 ng/ul	59691	Perylene-d12	23.51

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzo[def,mno]chrysene	276	C22H12	000191-26-4	64
2	Indeno[1,2,3-cd]pyrene	276	C22H12	000193-39-5	64
3	Benzo[ghi]perylene	276	C22H12	000191-24-2	64
4	Benzo[ghi]perylene	276	C22H12	000191-24-2	64
5	Benzo[ghi]perylene	276	C22H12	000191-24-2	64





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM011516\
Data File : BM004030.D
Acq On : 15 Jan 2016 02:30
Operator : SJ/UM
Sample : H1099-11
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BC9D7

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
2-Pyrrolidinone	3.65	5.6	ng/ul	65635	1	7.66	234033	20.0
(DEL) Alkane: Str...	16.04	2.9	ng/ul	93138	4	17.07	649699	20.0
Anthracene, 2-met...	17.94	5.0	ng/ul	161162	4	17.07	649699	20.0
Phenanthrene, 2-m...	17.99	6.3	ng/ul	204611	4	17.07	649699	20.0
Benzaldehyde, 3,5...	18.14	7.8	ng/ul	254607	4	17.07	649699	20.0
Anthracene, 9-met...	18.18	3.4	ng/ul	109636	4	17.07	649699	20.0
5,16[1',2']:8,13[...	18.45	2.6	ng/ul	85002	4	17.07	649699	20.0
9,10-Anthracenedione	18.50	3.1	ng/ul	100237	4	17.07	649699	20.0
Phenanthrene, 2,5...	18.87	6.4	ng/ul	208625	4	17.07	649699	20.0
Phenanthrene, 3,6...	18.93	2.6	ng/ul	85088	4	17.07	649699	20.0
Phenanthrene, 9,1...	19.02	3.8	ng/ul	123172	4	17.07	649699	20.0
Pyrene, 1-methyl-	19.83	3.2	ng/ul	207397	5	21.27	1290800	20.0
11H-Benzo[b]fluorene	20.00	3.4	ng/ul	216992	5	21.27	1290800	20.0
Benzo[b]naphtho[2...	20.92	2.8	ng/ul	177412	5	21.27	1290800	20.0
Cyclopenta[cd]pyrene	20.99	2.8	ng/ul	181287	5	21.27	1290800	20.0
Triphenylene, 2-m...	21.82	3.5	ng/ul	223259	5	21.27	1290800	20.0
Chrysene, 2-methyl-	21.87	2.6	ng/ul	167778	5	21.27	1290800	20.0
Docosa-2,6,10,14,...	22.44	3.9	ng/ul	106430	6	23.51	551202	20.0
(DEL) Alkane: Str...	24.00	2.4	ng/ul	66848	6	23.51	551202	20.0
Dibenzo[def,mno]c...	26.81	2.2	ng/ul	59691	6	23.51	551202	20.0