LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM020816\
Data File : BM004202.D
Acq On : 08 Feb 2016 16:23
Operator : SJ/IZ
Sample : H1340-07
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C04J6

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-BM012016.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	3.640	90	94	102	rVB	38723	51253	3.34%	0.264%
2	4.081	165	169	182	rBV2	55709	84551	5.51%	0.435%
3	4.493	235	239	248	rBV2	44395	65825	4.29%	0.339%
4	6.834	632	637	648	rBB	74346	120690	7.87%	0.621%
5	6.992	659	664	671	rBB	64076	95412	6.22%	0.491%
6	7.192	692	698	705	rBB	84047	129331	8.43%	0.666%
7	7.657	771	777	784	rBB	90992	137694	8.97%	0.709%
8	8.369	893	898	907	rBB	50446	78406	5.11%	0.404%
9	8.816	968	974	981	rBB	80176	125781	8.20%	0.648%
10	9.533	1091	1096	1103	rBB	68819	103636	6.75%	0.534%
11	10.075	1182	1188	1198	rBB	106264	169940	11.08%	0.875%
12	10.445	1244	1251	1257	rBV	147711	241133	15.72%	1.241%
13	10.586	1269	1275	1292	rBB	65499	113853	7.42%	0.586%
14	13.727	1804	1809	1813	rVV	219218	296115	19.30%	1.524%
15	13.774	1813	1817	1823	rVB	126440	168795	11.00%	0.869%
16	14.004	1850	1856	1866	rBB	250458	367587	23.96%	1.892%
17	14.210	1887	1891	1896	rBB	24640	31012	2.02%	0.160%
18	14.315	1902	1909	1915	rBB2	234824	353091	23.01%	1.818%
19	14.380	1915	1920	1926	rBB	56034	76557	4.99%	0.394%
20	14.539	1941	1947	1957	rBV	62100	103410	6.74%	0.532%
21	14.715	1973	1977	1984	rVV	26362	36080	2.35%	0.186%
22	15.168	2050	2054	2059	rVB	38071	45482	2.96%	0.234%
23	15.309	2073	2078	2084	rBV	337311	482942	31.47%	2.486%
24	15.368	2084	2088	2097	rVB	43619	64497	4.20%	0.332%
25	15.451	2097	2102	2107	rBV	70320	97420	6.35%	0.502%
26	15.574	2118	2123	2127	rVV4	12320	23716	1.55%	0.122%
27	15.668	2134	2139	2144	rVB2	14556	20969	1.37%	0.108%
28	15.809	2155	2163	2170	rBV3	12284	30039	1.96%	0.155%
29	16.033	2196	2201	2216	rBV	43417	83121	5.42%	0.428%
30	16.374	2249	2259	2264	rBV4	14369	32381	2.11%	0.167%
31	16.727	2313	2319	2325	rVV	27010	39375	2.57%	0.203%
32	16.821	2325	2335	2339	rVV2	39059	63116	4.11%	0.325%
33	16.880	2341	2345	2356	rVV2	29773	51581	3.36%	0.266%
34	17.068	2371	2377	2380	rBV	313704	443720	28.92%	2.284%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM020816\
Data File : BM004202.D
Acq On : 08 Feb 2016 16:23
Operator : SJ/IZ
Sample : H1340-07
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C04J6

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-BM012016.M
Title : SVOA CALIBRATION

35	17.109	2380	2384	2389	rVV	577544	775410	50.54%	3.992%
36	17.168	2389	2394	2397	rVV	390635	552051	35.98%	2.842%
37	17.198	2397	2399	2405	rVB	121009	150773	9.83%	0.776%
38	17.474	2434	2446	2452	rBV2	62994	110528	7.20%	0.569%
39	17.562	2457	2461	2464	rBV	19164	23283	1.52%	0.120%
40	17.645	2472	2475	2484	rVB4	10737	19628	1.28%	0.101%
41	17.945	2518	2526	2530	rVV	66821	111970	7.30%	0.576%
42	17.992	2530	2534	2540	rVV	97196	135105	8.81%	0.696%
43	18.074	2543	2548	2553	rVV	31923	45533	2.97%	0.234%
44	18.139	2553	2559	2563	rVV3	101906	177993	11.60%	0.916%
45	18.174	2563	2565	2573	rVB	42614	55976	3.65%	0.288%
46	18.256	2575	2579	2583	rBV2	22194	28217	1.84%	0.145%
47	18.450	2606	2612	2616	rBV	50286	67498	4.40%	0.347%
48	18.497	2616	2620	2626	rVB	49991	70269	4.58%	0.362%
49	18.697	2651	2654	2658	rVV3	17583	25416	1.66%	0.131%
50	18.750	2658	2663	2666	rVV	15760	23795	1.55%	0.123%
51	18.868	2677	2683	2686	rVV	33974	58602	3.82%	0.302%
52	18.897	2686	2688	2690	rVV	23490	26855	1.75%	0.138%
53	18.939	2690	2695	2697	rVV4	23422	42705	2.78%	0.220%
54	18.962	2697	2699	2703	rVV2	15574	21137	1.38%	0.109%
55	19.015	2703	2708	2716	rVV3	40435	72170	4.70%	0.372%
56	19.139	2721	2729	2737	rVV	966710	1306137	85.12%	6.724%
57	19.239	2743	2746	2751	rVV2	23308	32328	2.11%	0.166%
58	19.386	2757	2771	2775	rBV3	33931	87402	5.70%	0.450%
59	19.474	2780	2786	2789	rVV3	652357	1026009	66.87%	5.282%
60	19.509	2789	2792	2799	rVV	785043	1013509	66.05%	5.218%
61	19.574	2799	2803	2810	rVB3	40807	63930	4.17%	0.329%
62	19.686	2816	2822	2828	rVB	50094	70254	4.58%	0.362%
63	19.744	2828	2832	2837	rVB	46833	71341	4.65%	0.367%
64	19.827	2841	2846	2848	rBV2	55544	90267	5.88%	0.465%
65	19.968	2864	2870	2872	rBV4	40872	77128	5.03%	0.397%
66	20.003	2872	2876	2882	rVB	128242	186341	12.14%	0.959%
67	20.103	2889	2893	2897	rBV	83141	107544	7.01%	0.554%
68	20.162	2897	2903	2907	rVV2	77147	126524	8.25%	0.651%
69	20.203	2907	2910	2914	rVB	38742	45260	2.95%	0.233%
70	20.244	2914	2917	2921	rVB3	18769	23251	1.52%	0.120%
71	20.303	2923	2927	2930	rBV	40911	47201	3.08%	0.243%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM020816\
Data File : BM004202.D
Acq On : 08 Feb 2016 16:23
Operator : SJ/IZ
Sample : H1340-07
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C04J6

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-BM012016.M
Title : SVOA CALIBRATION

72	20.350	2930	2935	2939	rBV3	45600	65488	4.27%	0.337%
73	20.568	2967	2972	2974	rBV4	20874	36878	2.40%	0.190%
74	20.721	2994	2998	3000	rBV4	17639	25577	1.67%	0.132%
75	20.756	3000	3004	3011	rVB	96175	132426	8.63%	0.682%
76	20.921	3026	3032	3036	rBV3	92862	160042	10.43%	0.824%
77	20.962	3036	3039	3041	rVV	90770	110930	7.23%	0.571%
78	21.003	3041	3046	3051	rVV3	90635	213324	13.90%	1.098%
79	21.056	3051	3055	3062	rVB2	95674	144602	9.42%	0.744%
80	21.191	3075	3078	3082	rVB	138619	146427	9.54%	0.754%
81	21.274	3082	3092	3096	rBV3	735949	1534392	100.00%	7.899%
82	21.315	3096	3099	3109	rVB	501118	698570	45.53%	3.596%
83	21.433	3115	3119	3125	rBV	92887	124285	8.10%	0.640%
84	21.597	3142	3147	3151	rVB2	74264	116813	7.61%	0.601%
85	21.644	3152	3155	3158	rVB3	19152	22428	1.46%	0.115%
86	21.827	3181	3186	3190	rBV	82150	129223	8.42%	0.665%
87	21.880	3192	3195	3202	rVB	54981	81874	5.34%	0.422%
88	22.027	3217	3220	3223	rBV2	46797	65552	4.27%	0.337%
89	22.121	3232	3236	3242	rVB3	51046	81145	5.29%	0.418%
90	22.309	3265	3268	3273	rBV4	31539	59234	3.86%	0.305%
91	22.597	3312	3317	3323	rBV2	38010	77434	5.05%	0.399%
92	22.850	3354	3360	3365	rBV	370391	837168	54.56%	4.310%
93	23.015	3384	3388	3393	rBV	66815	108246	7.05%	0.557%
94	23.327	3435	3441	3445	rBV	210358	413999	26.98%	2.131%
95	23.374	3445	3449	3453	rVV	370853	672854	43.85%	3.464%
96	23.421	3453	3457	3464	rVV	329103	562173	36.64%	2.894%
97	23.515	3467	3473	3478	rVV	284107	564162	36.77%	2.904%
98	23.562	3478	3481	3489	rVB2	102729	206898	13.48%	1.065%
99	25.768	3847	3856	3868	rVB	147678	432978	28.22%	2.229%
100	26.456	3966	3973	3983	rVB	71819	201463	13.13%	1.037%

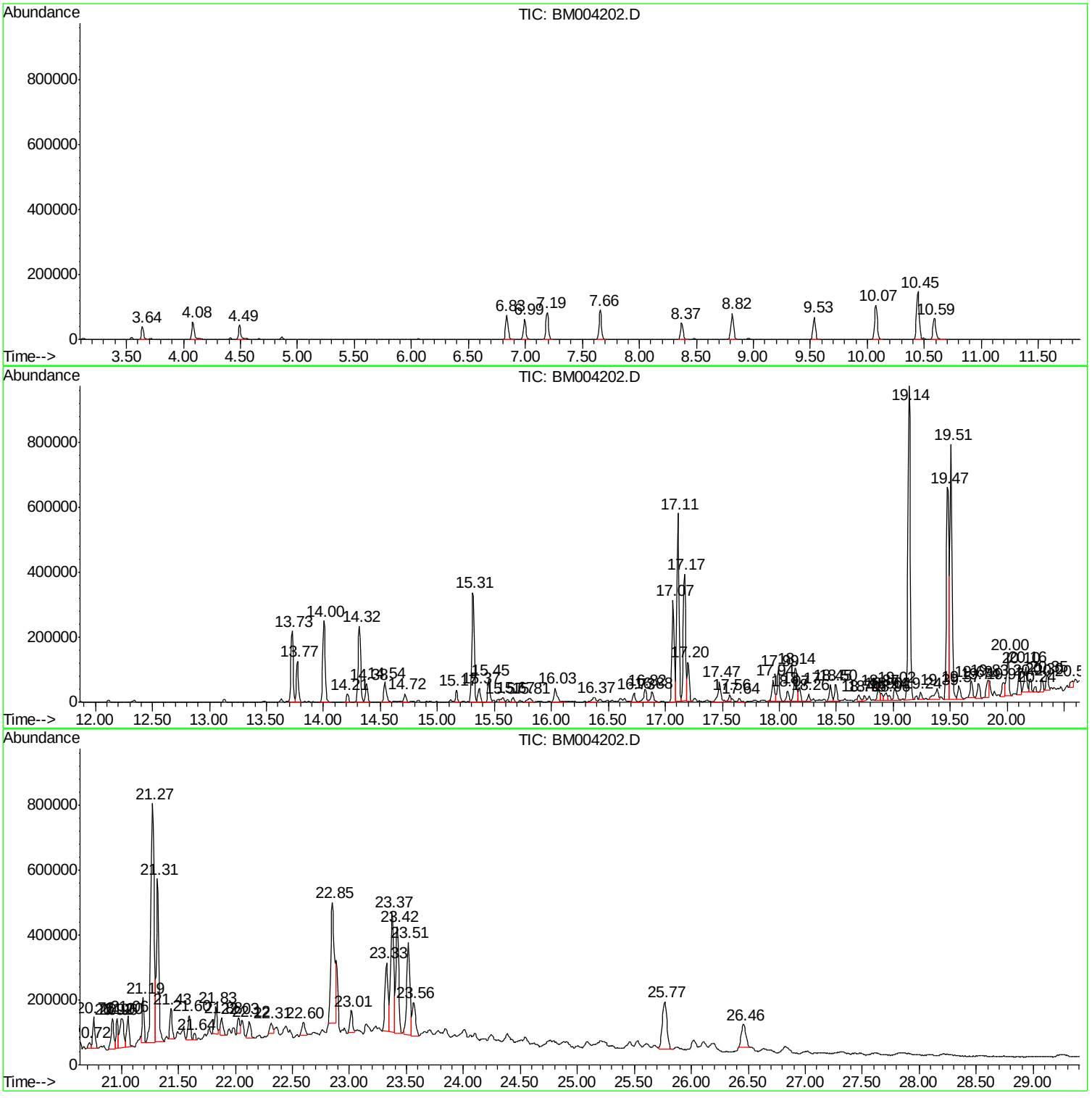
Sum of corrected areas: 19424436

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM020816\
Data File : BM004202.D
Acq On : 08 Feb 2016 16:23
Operator : SJ/IZ
Sample : H1340-07
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C04J6

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM012016.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\BM020816\
Data File : BM004202.D
Acq On : 08 Feb 2016 16:23
Operator : SJ/IZ
Sample : H1340-07
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C04J6

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM012016.M
Quant Title : SVOA CALIBRATION

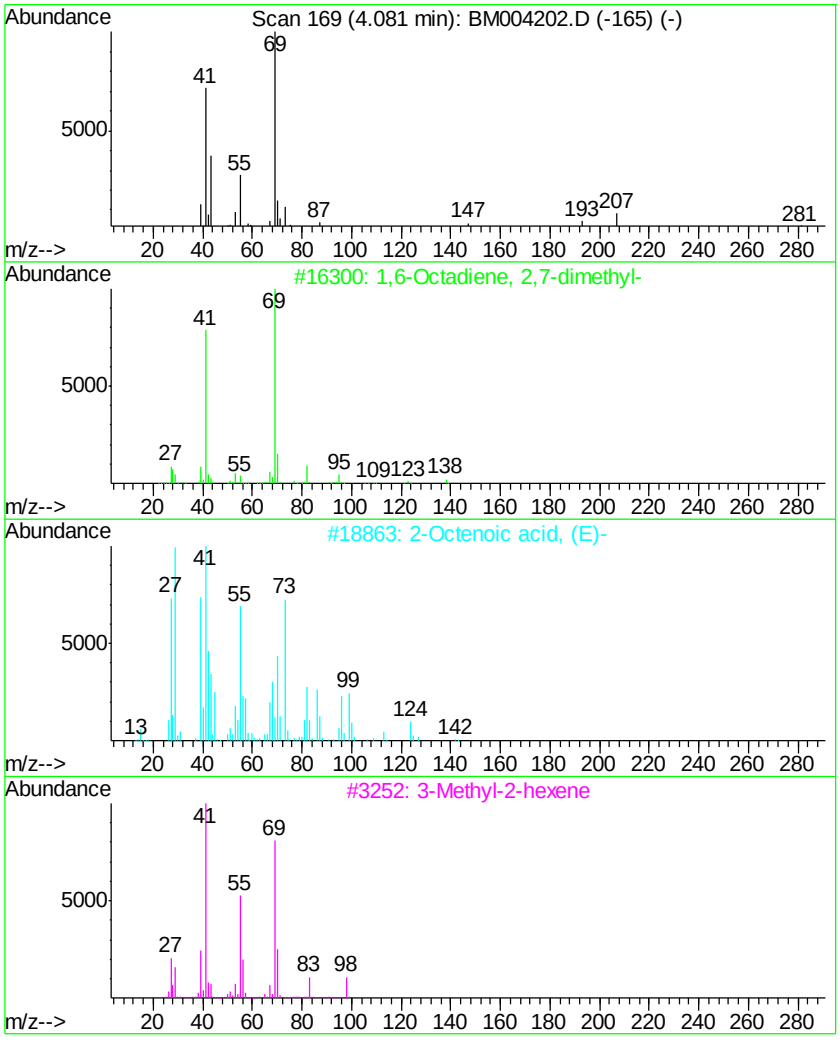
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

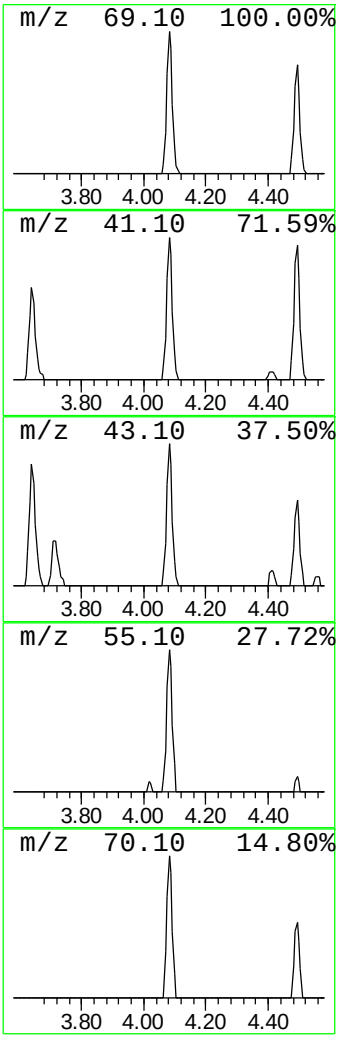
****

Peak Number 2 unknown-01 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.08	12.28 ng/ul	84551	1,4-Dichlorobenzene-d4	7.66

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,6-Octadiene, 2,7-dimethyl-	138	C10H18	040195-09-3	36
2	2-Octenoic acid, (E)-	142	C8H14O2	001871-67-6	9
3	3-Methyl-2-hexene	98	C7H14	017618-77-8	9
4	1-Pentyn-3-ol, 3,4-dimethyl-	112	C7H12O	001482-15-1	9
5	3-Penten-1-ol, 2-methyl-	100	C6H12O	062238-37-3	9





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM020816\
Data File : BM004202.D
Acq On : 08 Feb 2016 16:23
Operator : SJ/IZ
Sample : H1340-07
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C04J6

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM012016.M
Quant Title : SVOA CALIBRATION

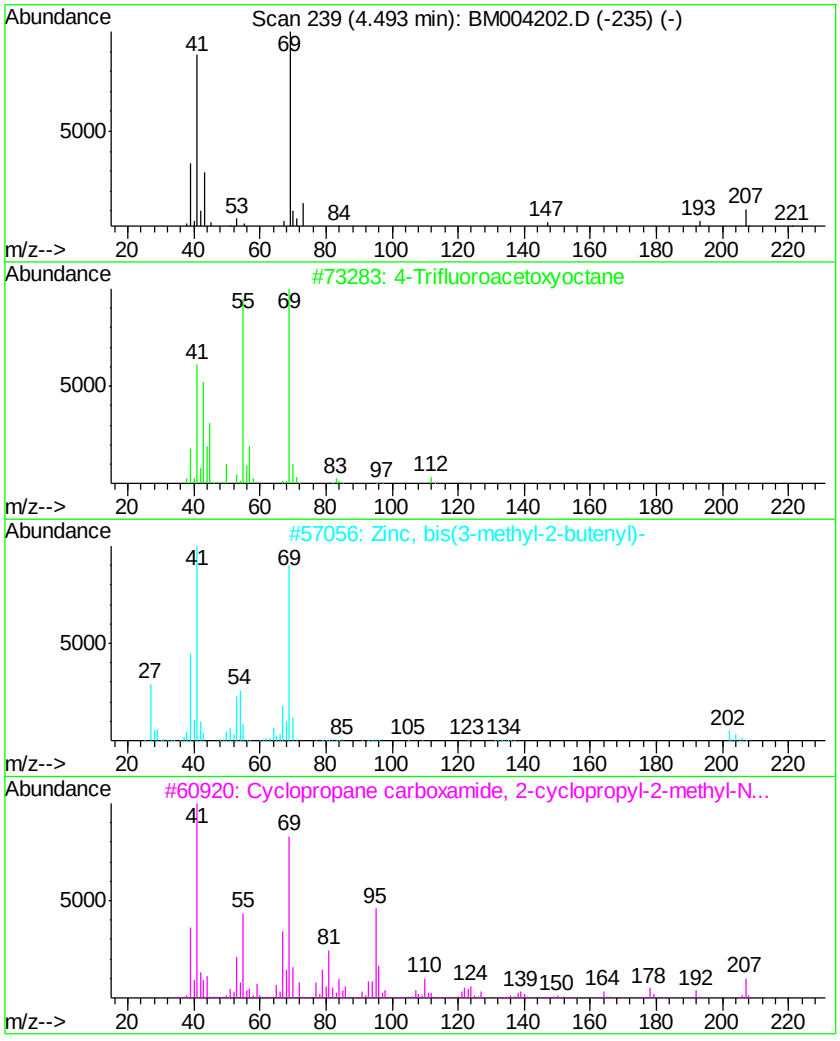
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

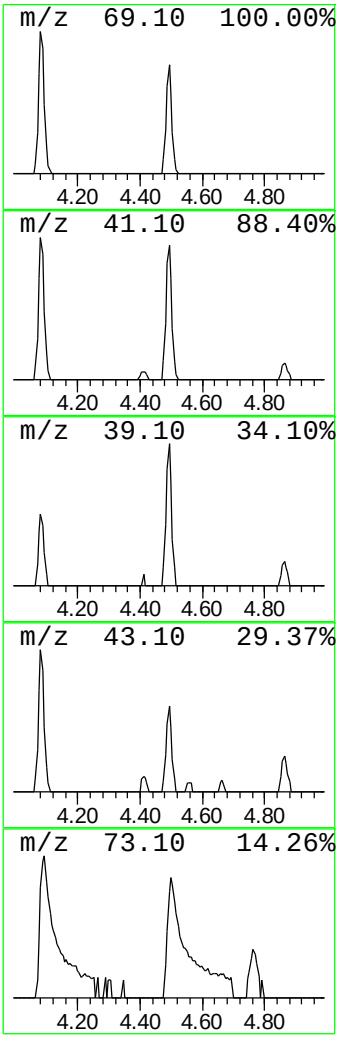
****

Peak Number 3 unknown-02 Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.49	9.56 ng/ul	65825	1,4-Dichlorobenzene-d4	7.66

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4-Trifluoroacetoxyoctane	226	C10H17F3O2	116465-17-9	45
2	Zinc, bis(3-methyl-2-butenyl)-	202	C10H18Zn	066094-28-8	38
3	Cyclopropane carboxamide, 2-cycl...	207	C13H21NO	331416-19-4	9
4	2-Propenoic acid, 2-methyl-, eth...	112	C6H8O2	004245-37-8	9
5	1-Butene, 3,3-dimethyl-	84	C6H12	000558-37-2	9





Data Path : Z:\HPCHEM1\BNA_M\DATA\BM020816\
Data File : BM004202.D
Acq On : 08 Feb 2016 16:23
Operator : SJ/IZ
Sample : H1340-07
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C04J6

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM012016.M
Quant Title : SVOA CALIBRATION

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

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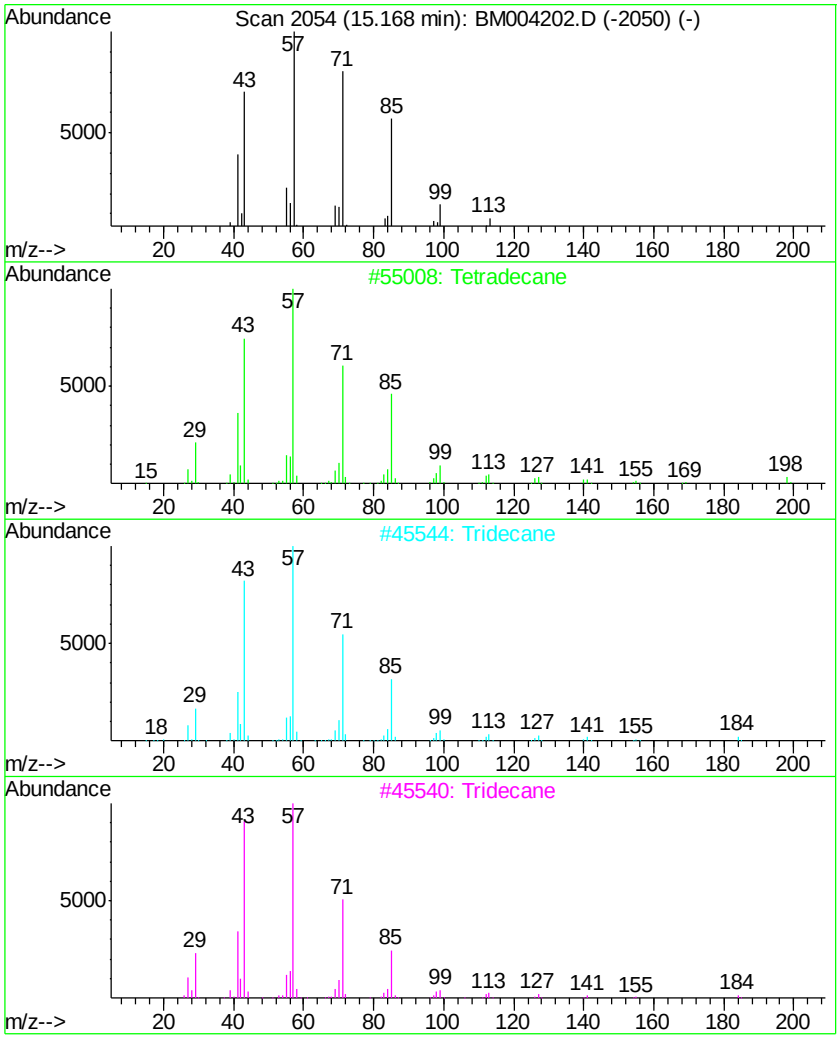
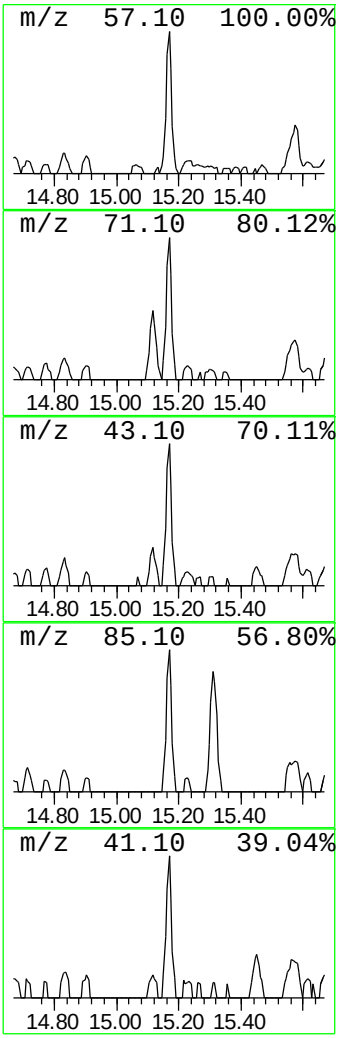
Peak Number 4 (DEL) Alkane: Straight-Chai... Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.17	2.58 ng/ul	45482	Acenaphthene-d10	14.32

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tetradecane	198	C14H30	000629-59-4	90
2	Tridecane	184	C13H28	000629-50-5	83
3	Tridecane	184	C13H28	000629-50-5	72
4	Pentadecane	212	C15H32	000629-62-9	64
5	Hexane, 3,3-dimethyl-	114	C8H18	000563-16-6	64





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM020816\
Data File : BM004202.D
Acq On : 08 Feb 2016 16:23
Operator : SJ/IZ
Sample : H1340-07
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C04J6

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM012016.M
Quant Title : SVOA CALIBRATION

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

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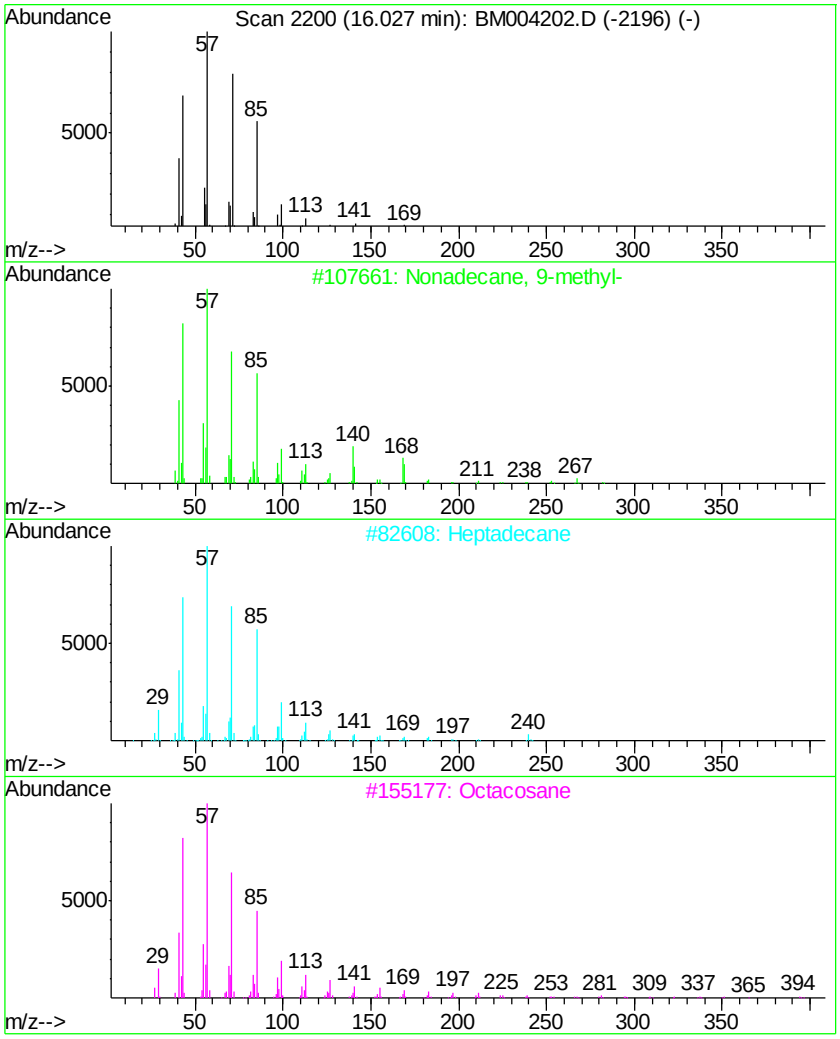
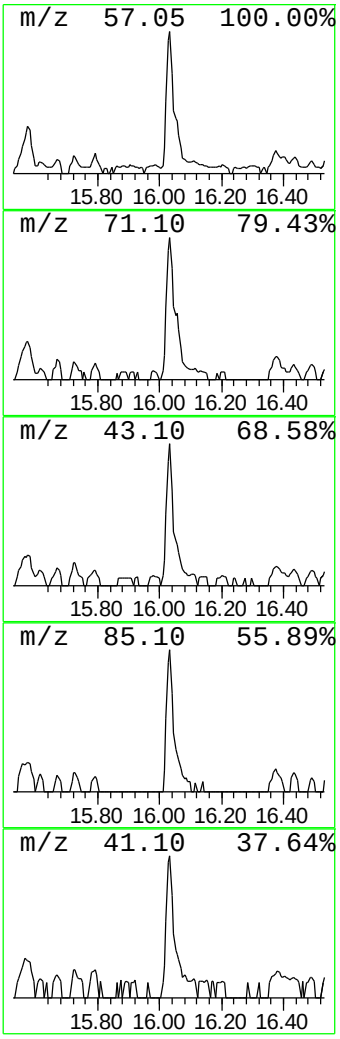
Peak Number 5 (DEL) Alkane: Straight-Chai... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.03	3.75 ng/ul	83121	Phenanthrene-d10	17.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Nonadecane, 9-methyl-	282	C20H42	013287-24-6	91
2	Heptadecane	240	C17H36	000629-78-7	91
3	Octacosane	394	C28H58	000630-02-4	90
4	Tetracosane	338	C24H50	000646-31-1	90
5	Eicosane	282	C20H42	000112-95-8	87





Data Path : Z:\HPCHEM1\BNA_M\DATA\BM020816\
Data File : BM004202.D
Acq On : 08 Feb 2016 16:23
Operator : SJ/IZ
Sample : H1340-07
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C04J6

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM012016.M
Quant Title : SVOA CALIBRATION

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

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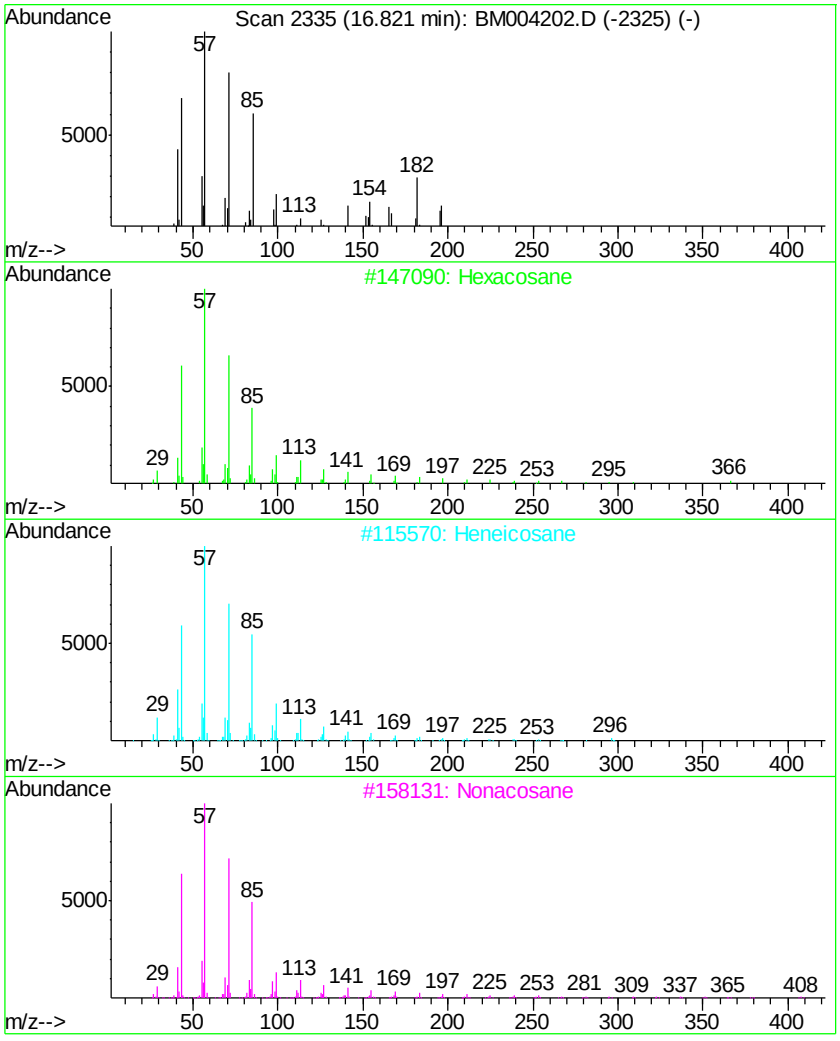
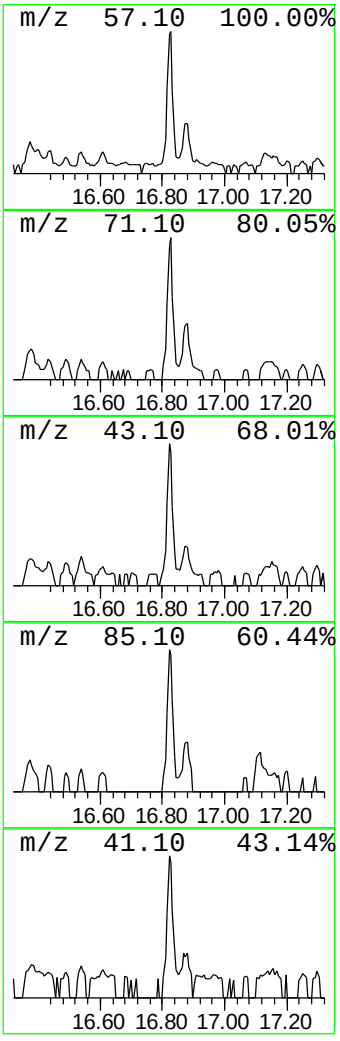
Peak Number 6 (DEL) Alkane: Straight-Chai... Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.82	2.84 ng/ul	63116	Phenanthrene-d10	17.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexacosane	366	C26H54	000630-01-3	49
2	Heneicosane	296	C21H44	000629-94-7	49
3	Nonacosane	408	C29H60	000630-03-5	47
4	Dodecane, 2-methyl-	184	C13H28	001560-97-0	47
5	Tetradecane	198	C14H30	000629-59-4	47





Data Path : Z:\HPCHEM1\BNA_M\DATA\BM020816\
Data File : BM004202.D
Acq On : 08 Feb 2016 16:23
Operator : SJ/IZ
Sample : H1340-07
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C04J6

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM012016.M
Quant Title : SVOA CALIBRATION

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

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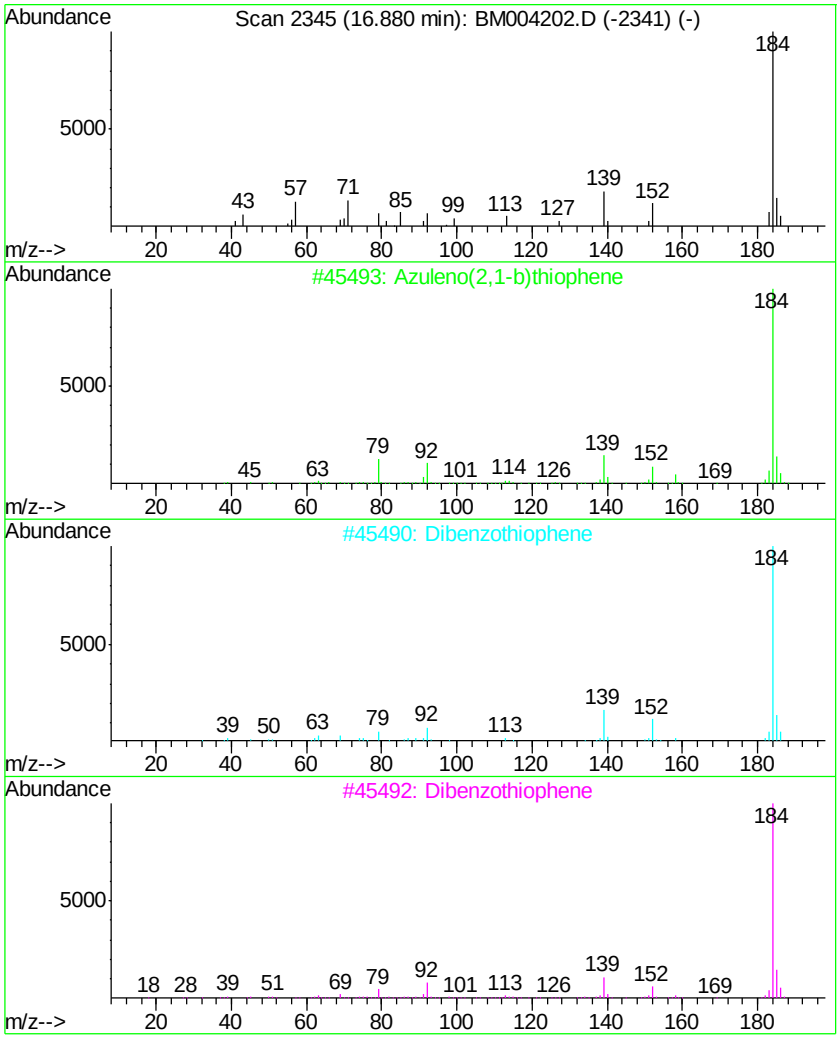
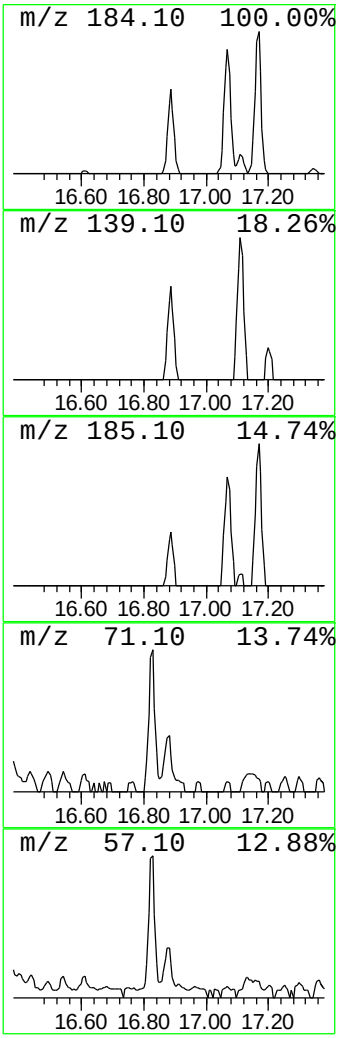
Peak Number 7 Azuleno(2,1-b)thiophene Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.88	2.32 ng/ul	51581	Phenanthrene-d10	17.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Azuleno(2,1-b)thiophene	184	C12H8S	000248-13-5	87
2	Dibenzothiophene	184	C12H8S	000132-65-0	87
3	Dibenzothiophene	184	C12H8S	000132-65-0	80
4	1,1'-Biphenyl, 4-methoxy-	184	C13H12O	000613-37-6	80
5	Dibenzothiophene	184	C12H8S	000132-65-0	80





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Operator : SJ/IZ
Sample : H1340-07
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C04J6

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM012016.M
Quant Title : SVOA CALIBRATION

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

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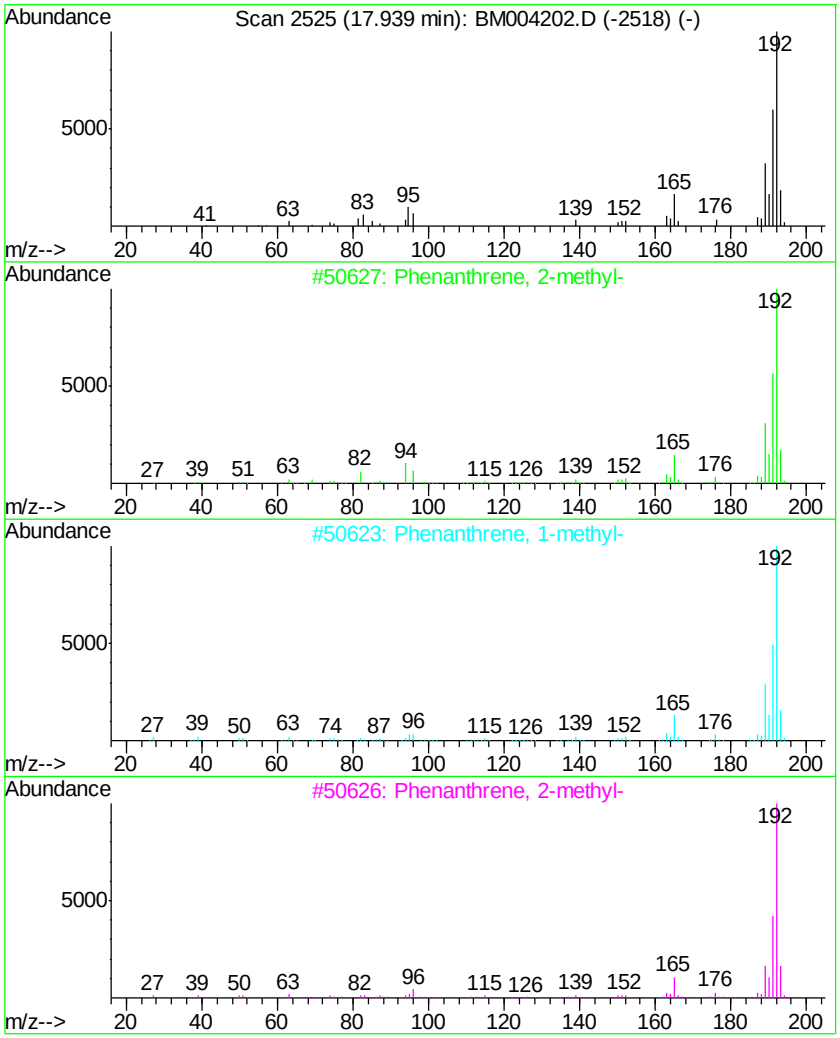
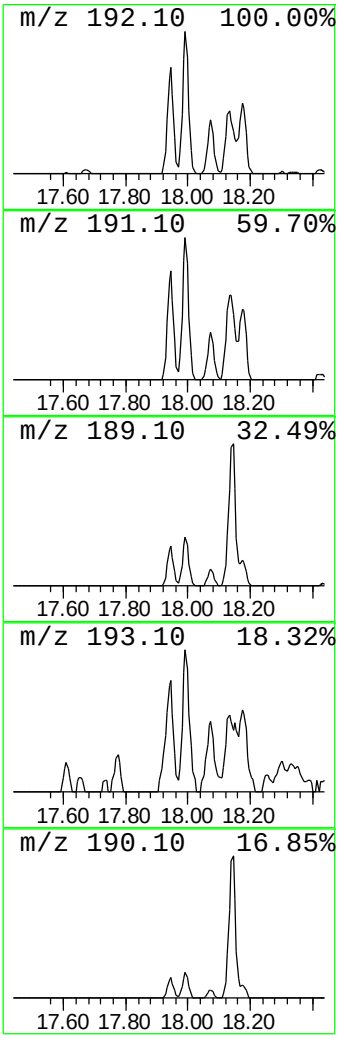
Peak Number 8 Phenanthrene, 2-methyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.94	5.05 ng/ul	111970	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	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
4	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	96
5	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	95





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Sample : H1340-07
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C04J6

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM012016.M
Quant Title : SVOA CALIBRATION

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

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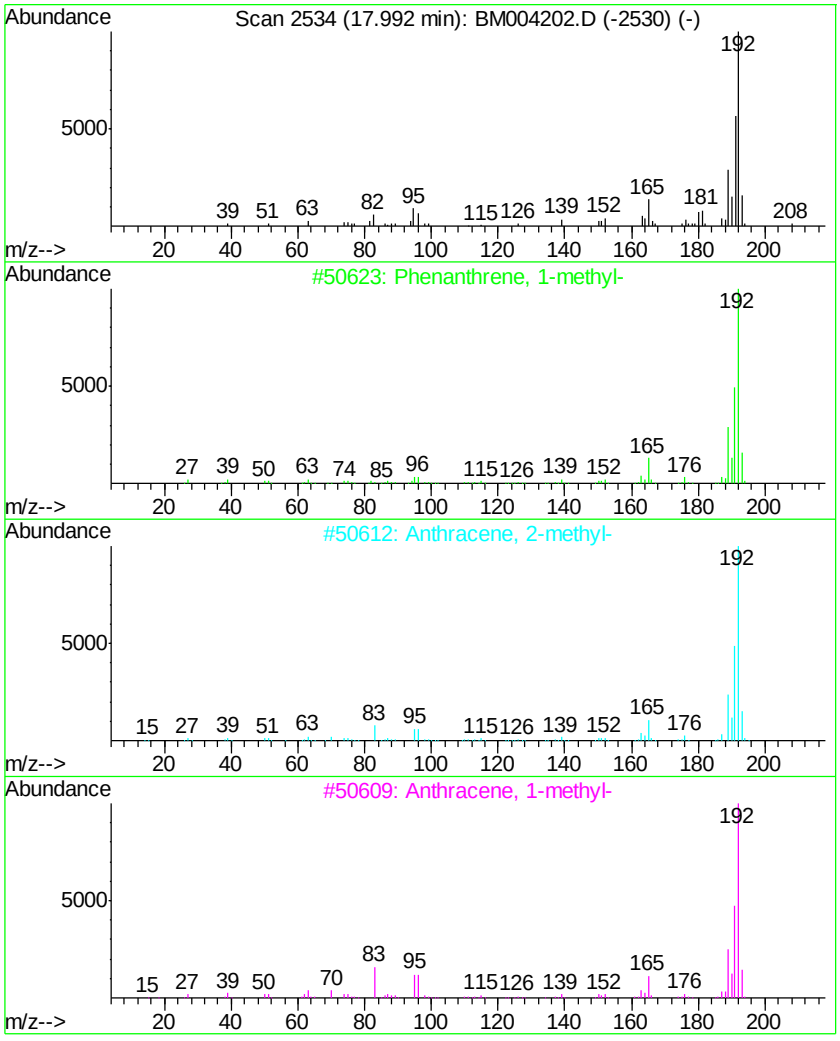
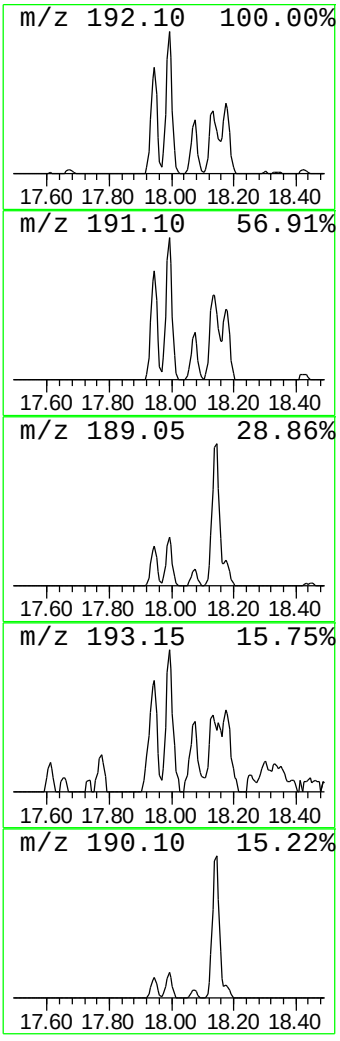
Peak Number 9 Phenanthrene, 1-methyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.99	6.09 ng/ul	135105	Phenanthrene-d10	17.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
2	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
3	Anthracene, 1-methyl-	192	C15H12	000610-48-0	95
4	Anthracene, 9-methyl-	192	C15H12	000779-02-2	95
5	Phenanthrene, 3-methyl-	192	C15H12	000832-71-3	95





Library Search Compound Report

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Quant Title : SVOA CALIBRATION

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

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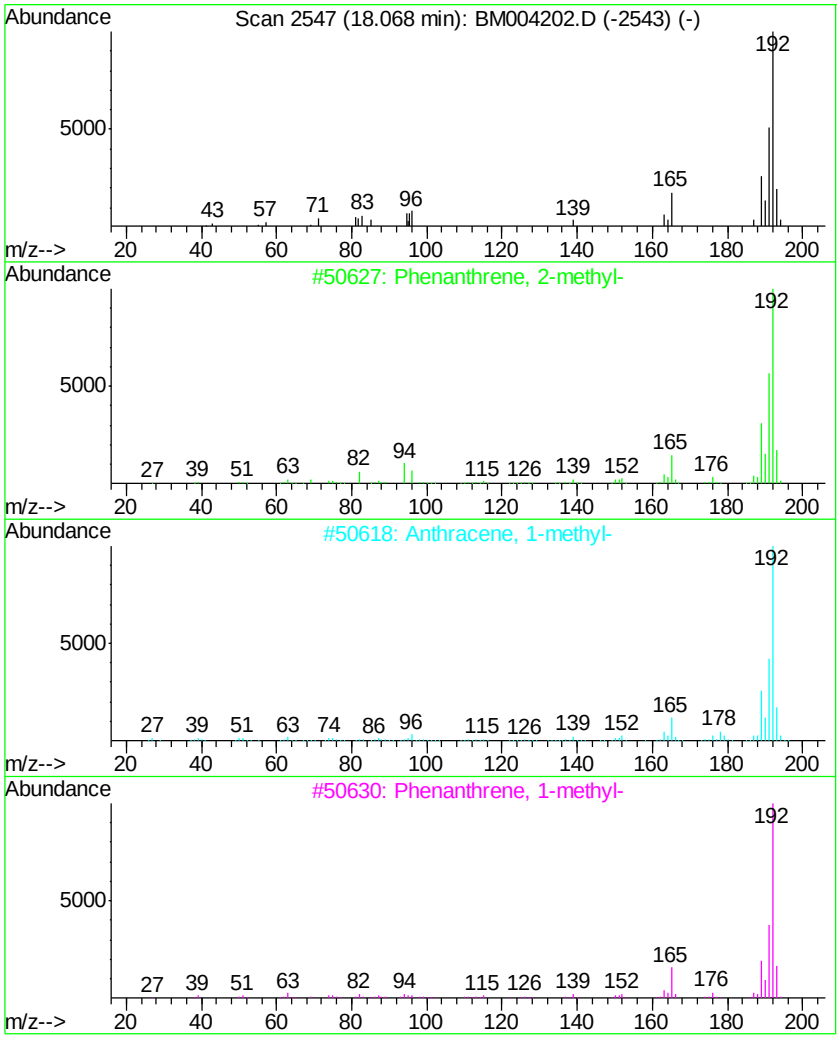
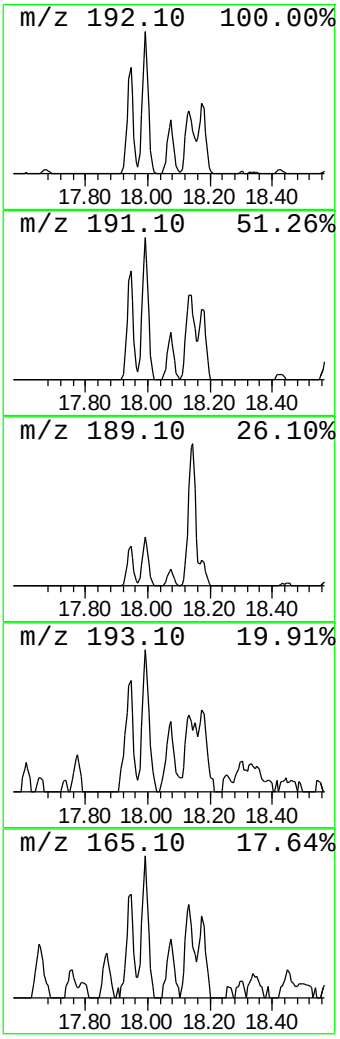
Peak Number 10 Anthracene, 1-methyl- Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.07	2.05 ng/ul	45533	Phenanthrene-d10	17.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
2	Anthracene, 1-methyl-	192	C15H12	000610-48-0	96
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	95
4	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	95
5	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	94





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Sample : H1340-07
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ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C04J6

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM012016.M
Quant Title : SVOA CALIBRATION

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

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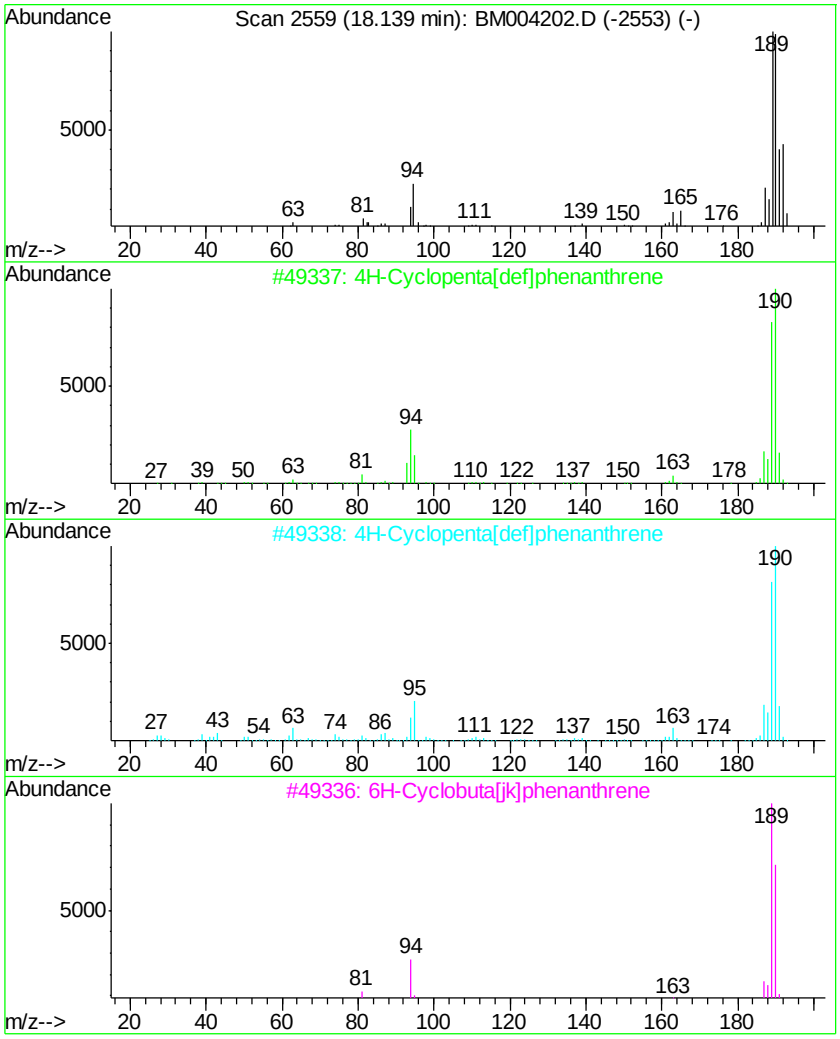
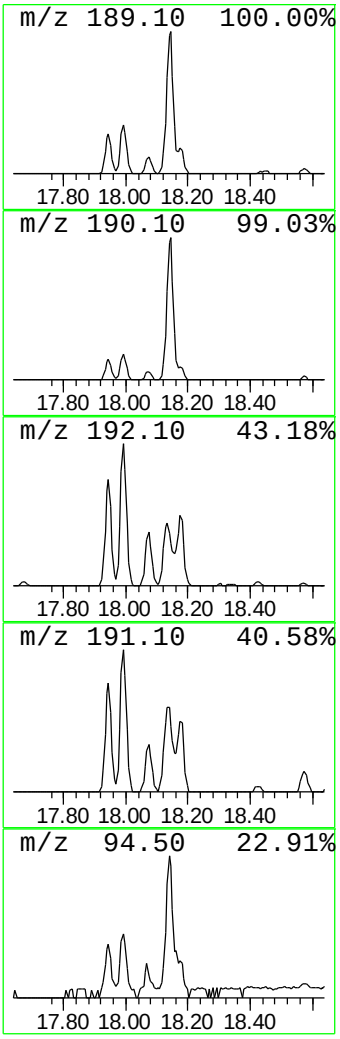
Peak Number 11 4H-Cyclopenta[def]phenanthrene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.14	8.02 ng/ul	177993	Phenanthrene-d10	17.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	70
2	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	60
3	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	58
4	Thiophene-3-carboxaldehyde, 5-ch...	190	C5H4BClO3S	036155-87-0	50
5	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	50





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Quant Title : SVOA CALIBRATION

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

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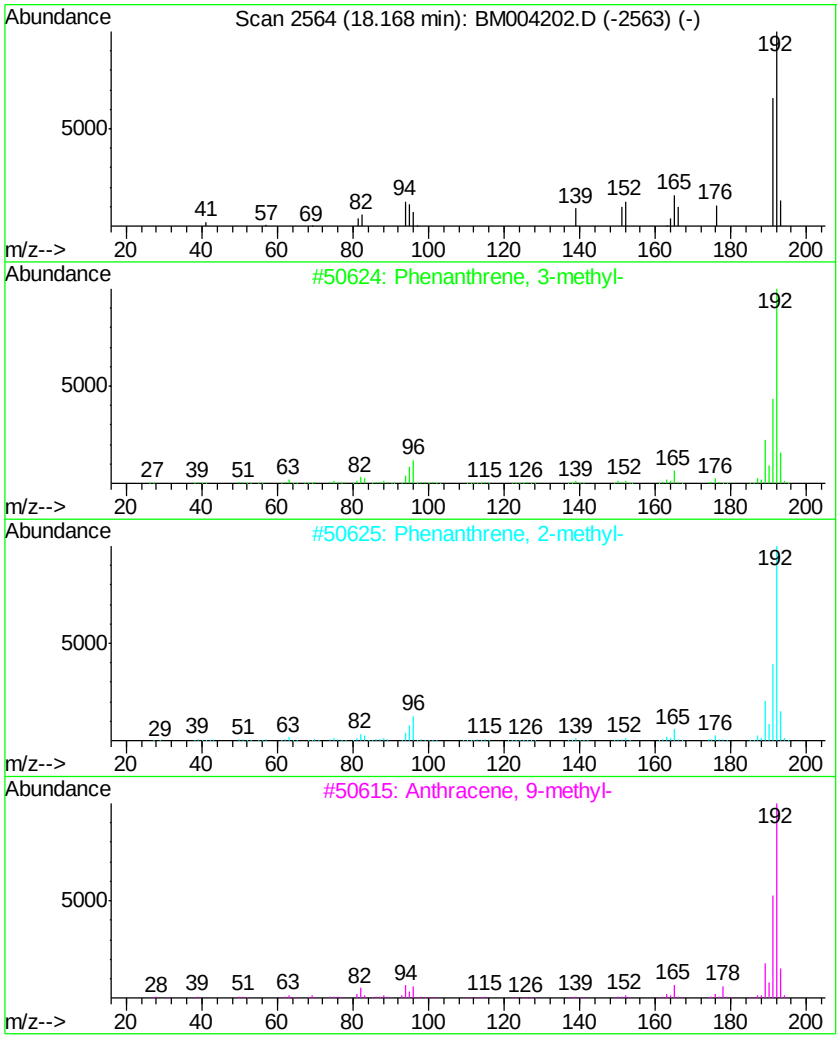
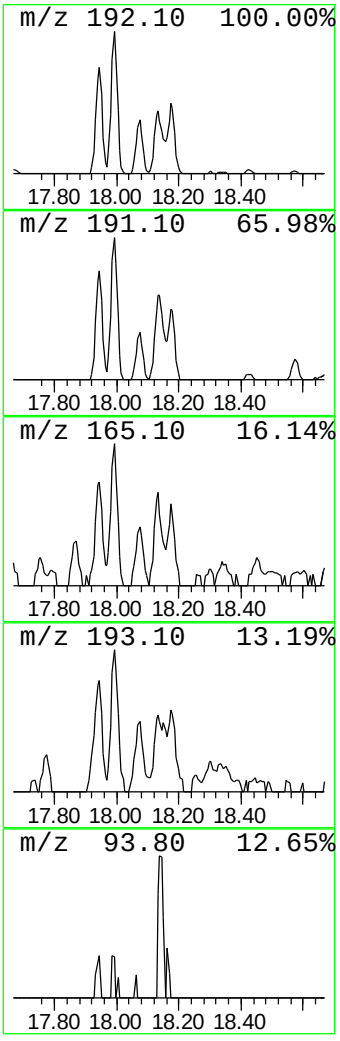
Peak Number 12 Phenanthrene, 3-methyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.17	2.52 ng/ul	55976	Phenanthrene-d10	17.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 3-methyl-	192	C15H12	000832-71-3	87
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	86
3	Anthracene, 9-methyl-	192	C15H12	000779-02-2	86
4	Anthracene, 2-methyl-	192	C15H12	000613-12-7	80
5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	80





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Sample : H1340-07
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Instrument : BNA_M
ClientSampleId : C04J6

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Quant Title : SVOA CALIBRATION

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

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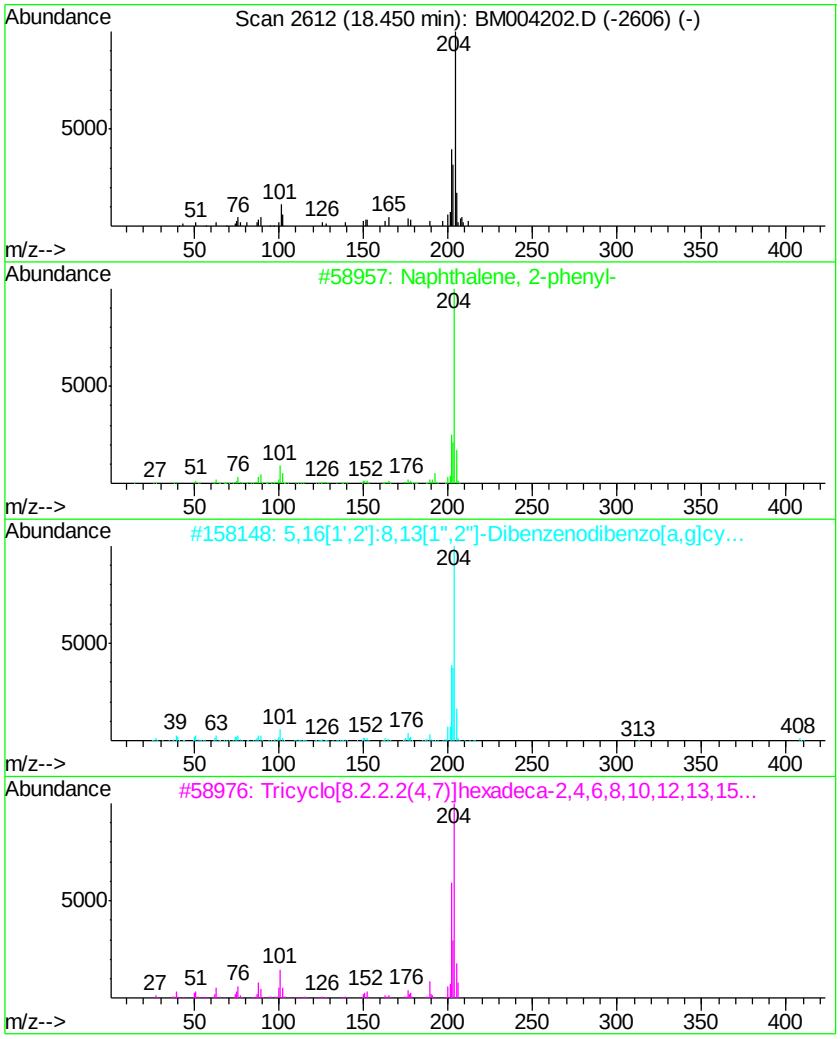
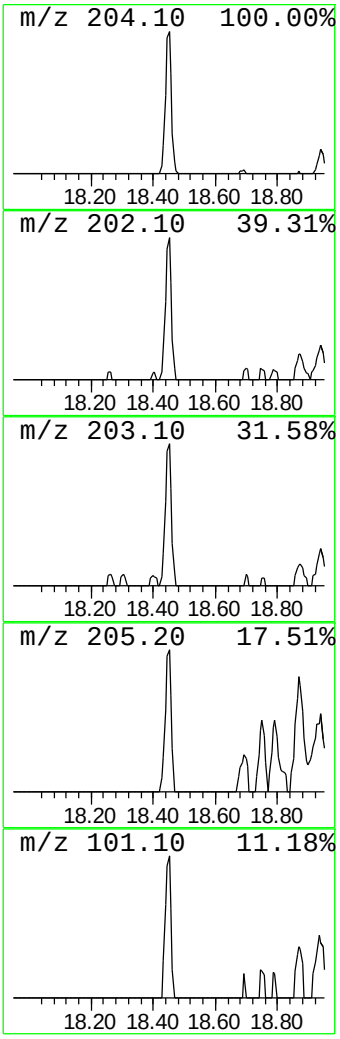
Peak Number 13 Naphthalene, 2-phenyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.45	3.04 ng/ul	67498	Phenanthrene-d10	17.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	91
2	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	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	70
5	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	70





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Misc :
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Instrument : BNA_M
ClientSampleId : C04J6

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Quant Title : SVOA CALIBRATION

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

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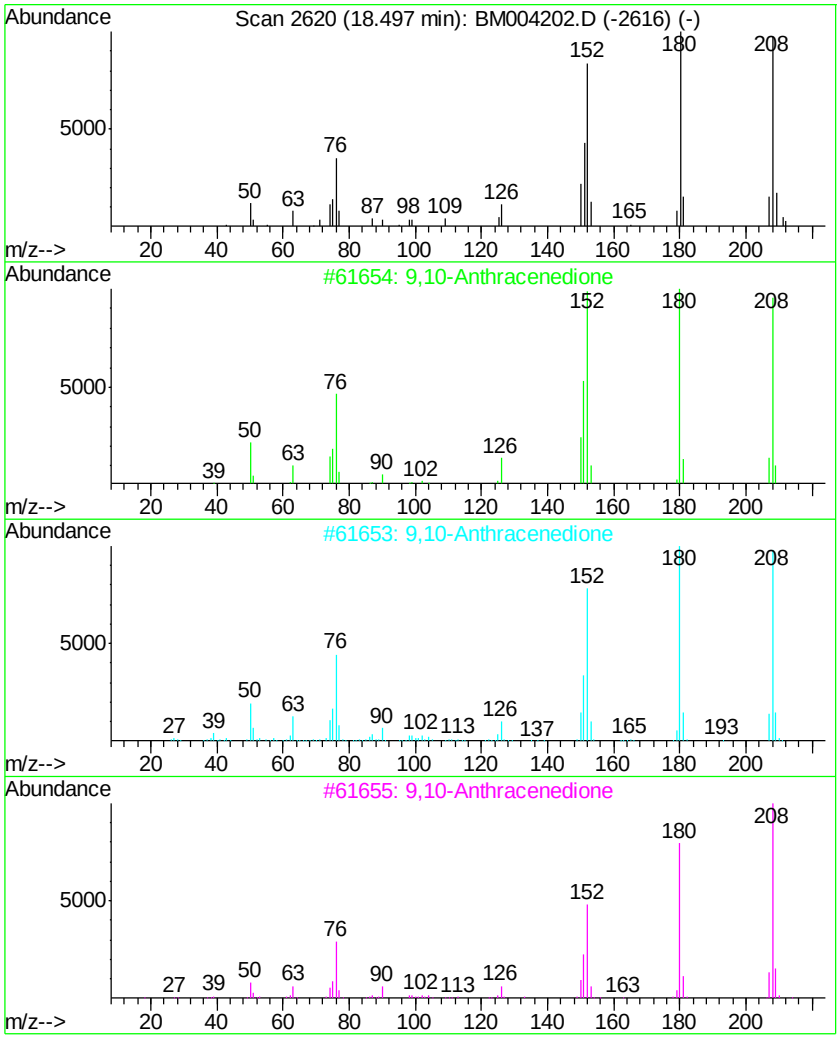
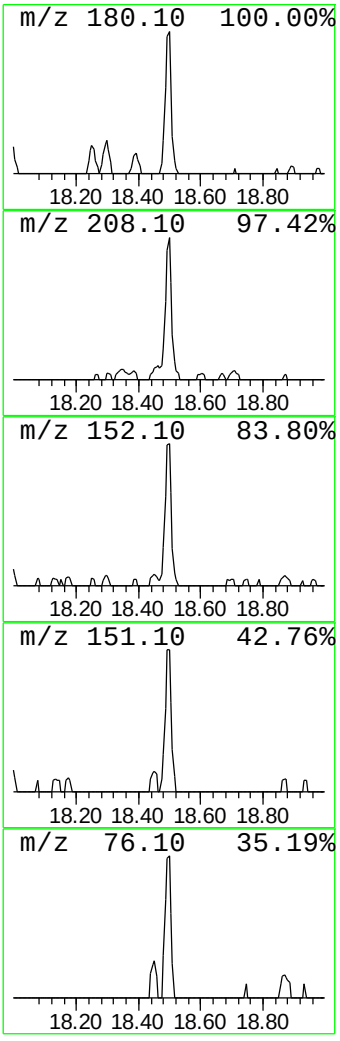
Peak Number 14 9,10-Anthracenedione Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.50	3.17 ng/ul	70269	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	94
3	9,10-Anthracenedione	208	C14H8O2	000084-65-1	94
4	Benzo[c]cinnoline	180	C12H8N2	000230-17-1	70
5	1H-Phenalen-1-one	180	C13H8O	000548-39-0	64





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Sample : H1340-07
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Instrument : BNA_M
ClientSampleId : C04J6

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Quant Title : SVOA CALIBRATION

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

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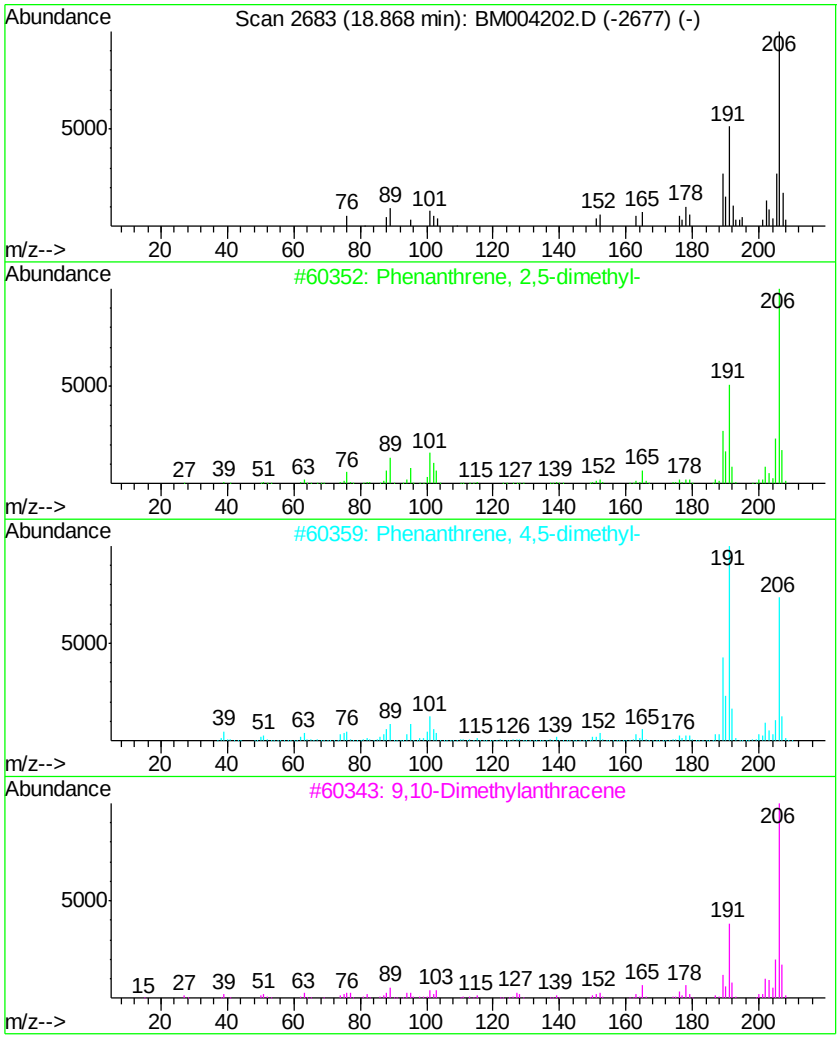
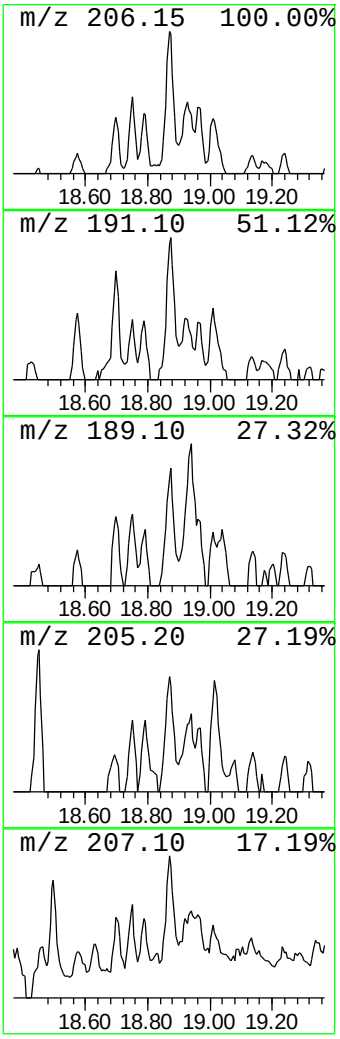
Peak Number 15 Phenanthrene, 2,5-dimethyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.87	2.64 ng/ul	58602	Phenanthrene-d10	17.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	94
2	Phenanthrene, 4,5-dimethyl-	206	C16H14	003674-69-9	91
3	9,10-Dimethylanthracene	206	C16H14	000781-43-1	91
4	Phenanthrene, 4,5-dimethyl-	206	C16H14	003674-69-9	87
5	di-p-Tolylacetylene	206	C16H14	002789-88-0	87





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Instrument : BNA_M
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Quant Title : SVOA CALIBRATION

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

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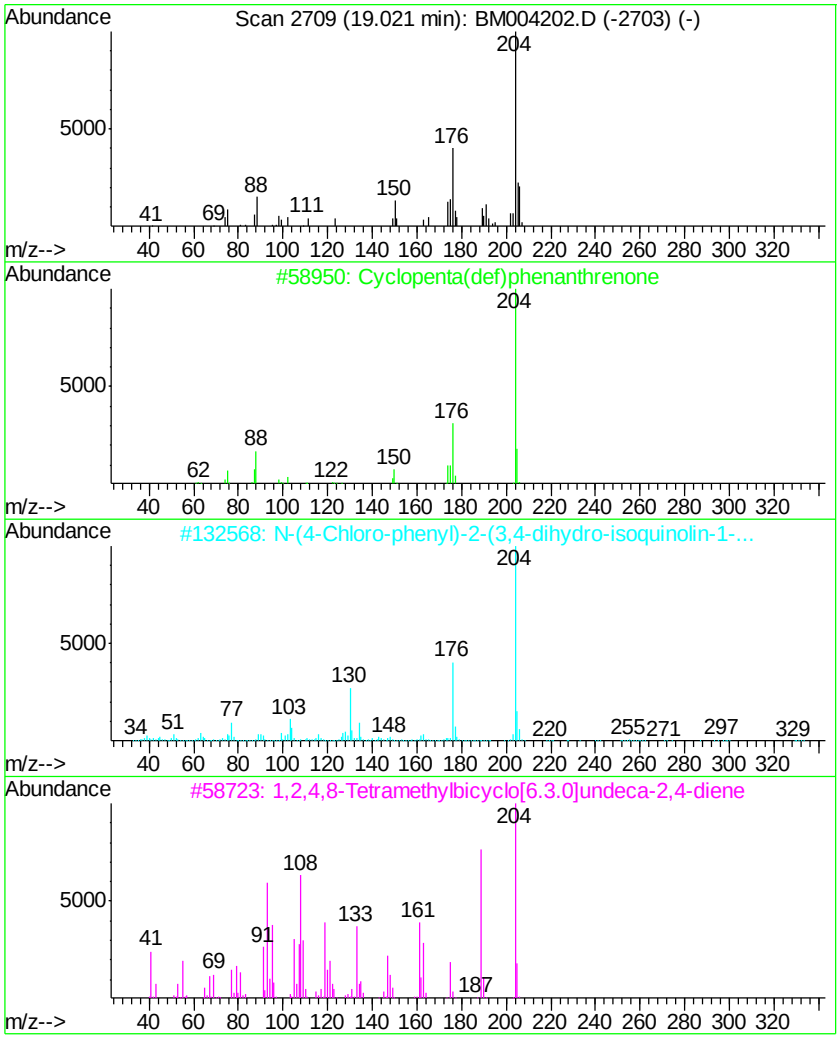
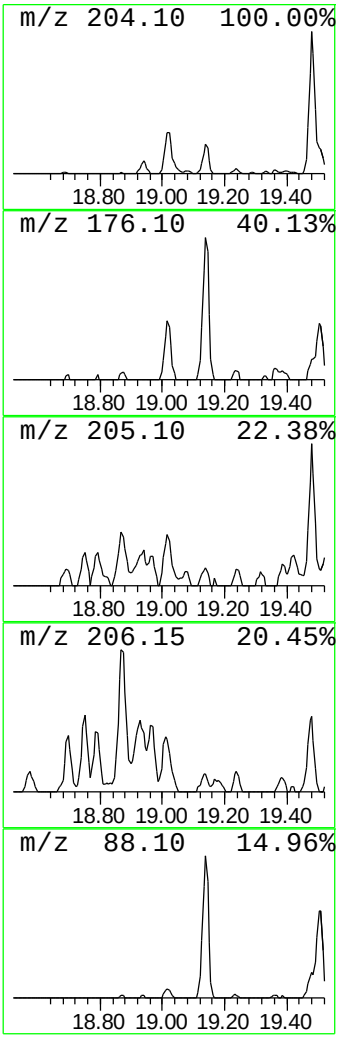
Peak Number 16 Cyclopenta(def)phenanthrenone Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.02	3.25 ng/ul	72170	Phenanthrene-d10	17.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	93
2	N-(4-Chloro-phenyl)-2-(3,4-dihyd...	330	C17H15ClN2OS	1000296-34-3	50
3	1,2,4,8-Tetramethylbicyclo[6.3.0...	204	C15H24	137235-51-9	43
4	Benzene, 1-chloro-3-phenoxy-	204	C12H9ClO	006452-49-9	43
5	[1,1'-Biphenyl]-4-ol, 4'-chloro-	204	C12H9ClO	028034-99-3	38





Library Search Compound Report

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Quant Title : SVOA CALIBRATION

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

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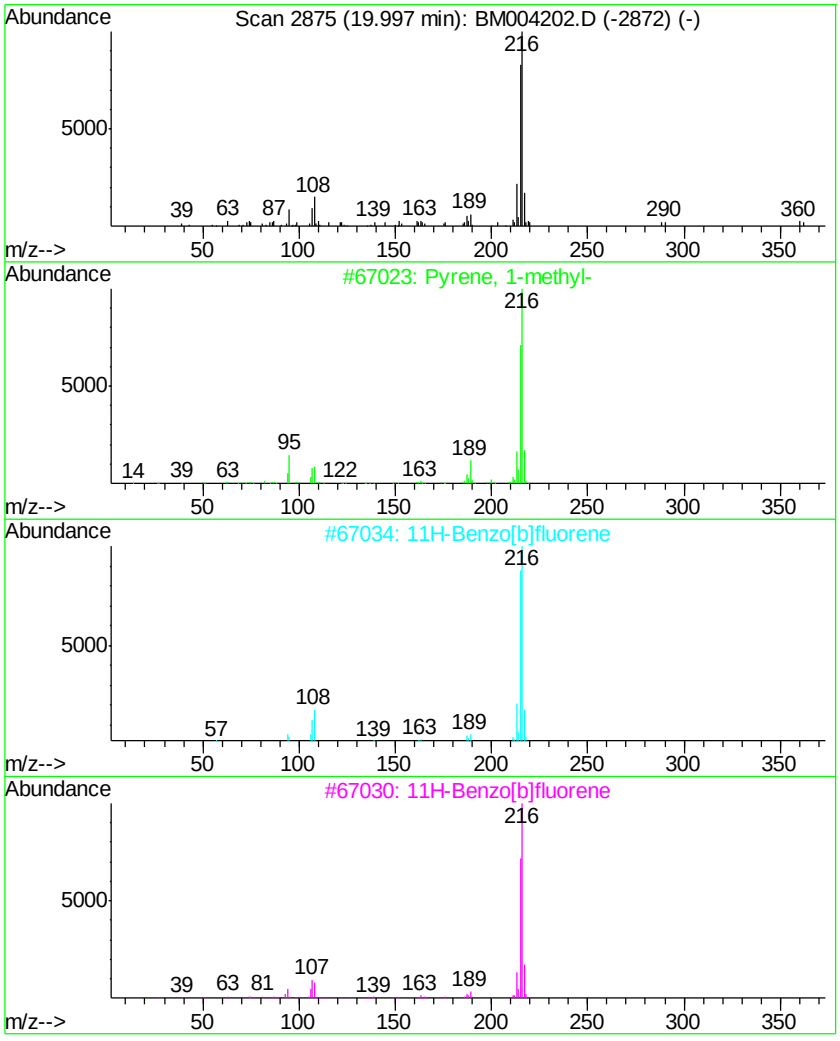
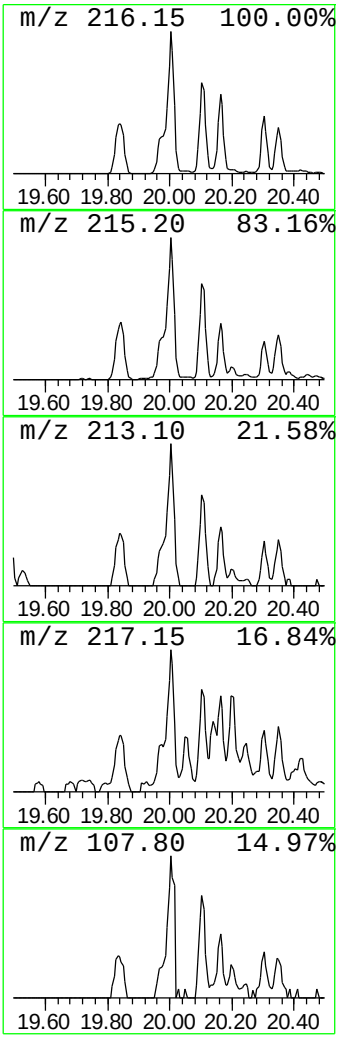
Peak Number 17 Pyrene, 1-methyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.00	2.43 ng/ul	186341	Chrysene-d12	21.28

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	94
2	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	93
3	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	90
4	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	90
5	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	90





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Quant Title : SVOA CALIBRATION

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

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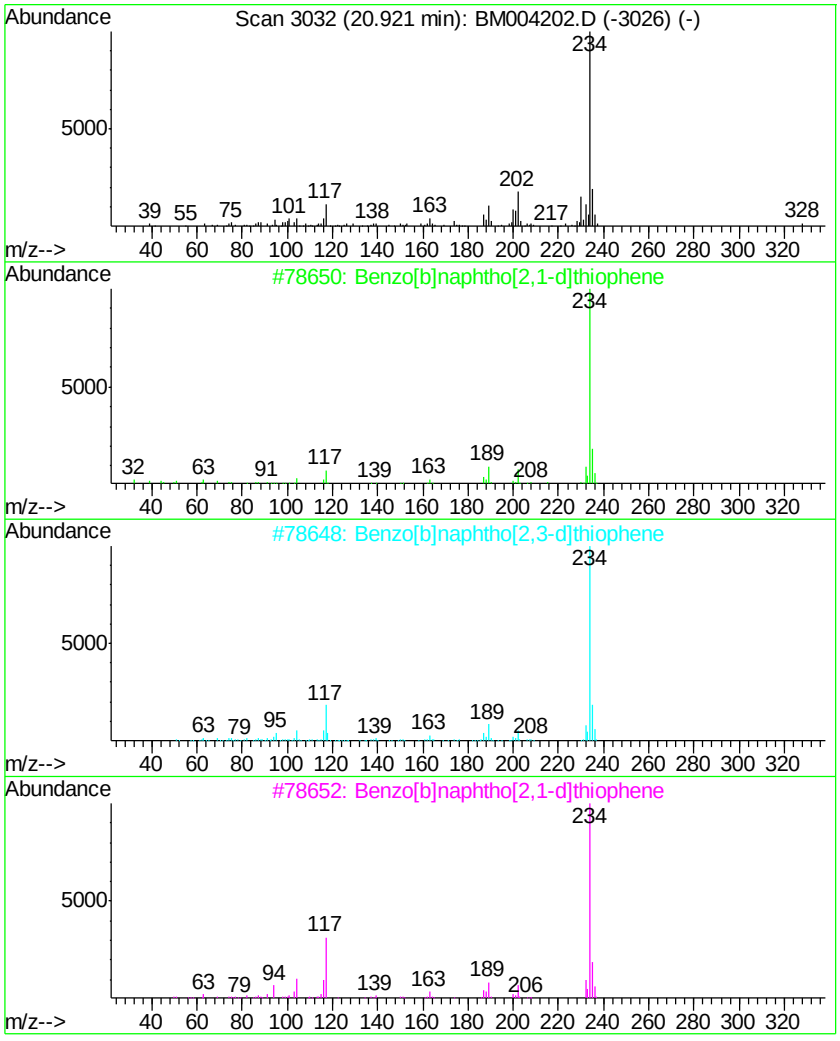
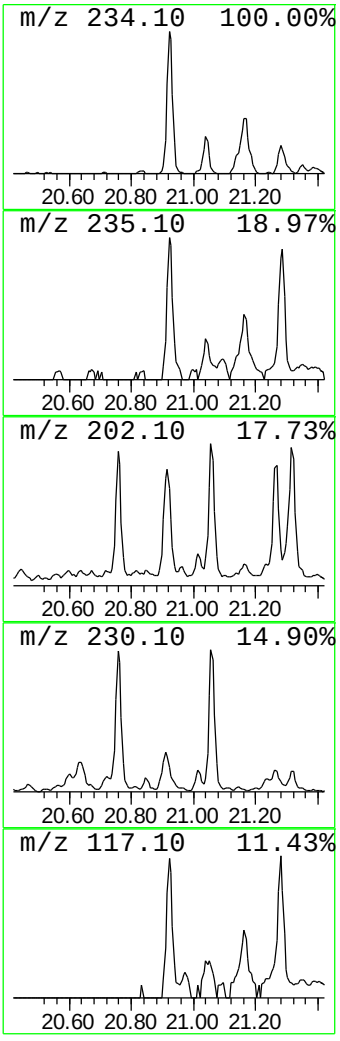
Peak Number 18 Benzo[b]naphtho[2,1-d]thiop... Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.92	2.09 ng/ul	160042	Chrysene-d12	21.28

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	90
3	Benzo[b]naphtho[2,1-d]thiophene	234	C16H10S	000239-35-0	90
4	Benzo[b]naphtho[2,1-d]thiophene	234	C16H10S	000239-35-0	90
5	Benzo[b]naphtho[2,3-d]thiophene	234	C16H10S	000243-46-9	81





Data Path : Z:\HPCHEM1\BNA_M\DATA\BM020816\
Data File : BM004202.D
Acq On : 08 Feb 2016 16:23
Operator : SJ/IZ
Sample : H1340-07
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C04J6

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM012016.M
Quant Title : SVOA CALIBRATION

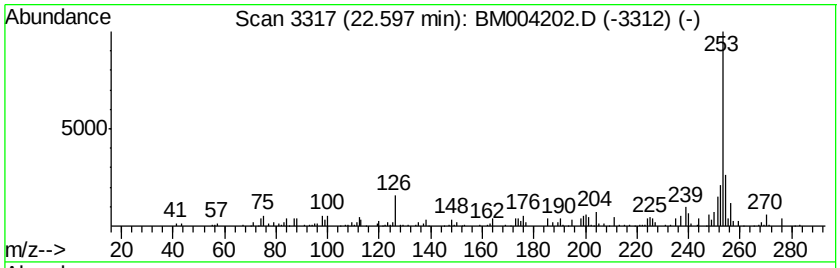
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

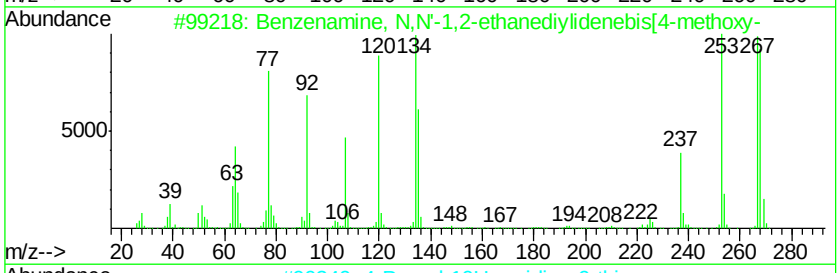
****

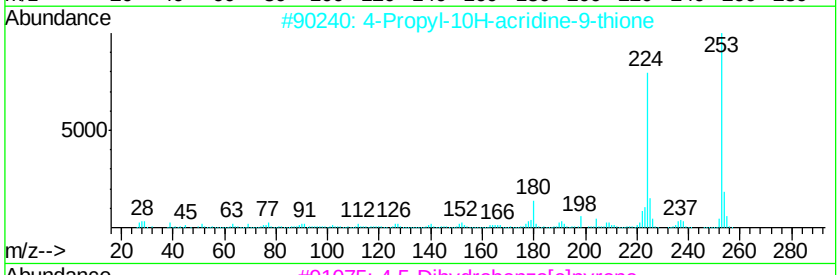
Peak Number 20 unknown-03 Concentration Rank 14

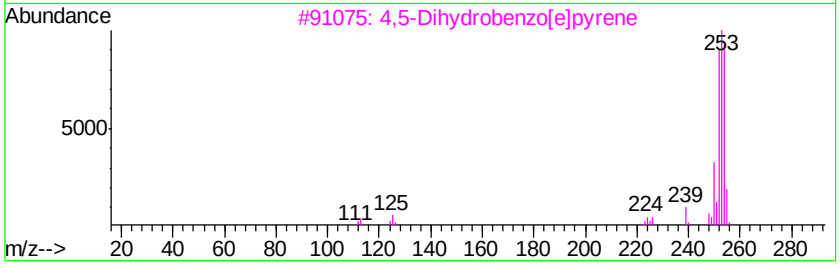
R.T.	EstConc	Area	Relative to ISTD	R.T.
22.60	2.75 ng/ul	77434	Perylene-d12	23.51

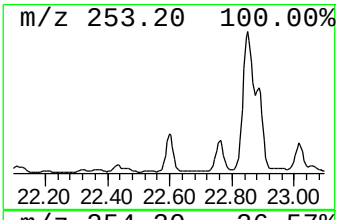
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzenamine, N,N'-1,2-ethanediyl...	268	C16H16N2O2	024764-91-8	47
2	4-Propyl-10H-acridine-9-thione	253	C16H15NS	1000211-07-8	43
3	4,5-Dihydrobenzo[e]pyrene	254	C20H14	095676-42-9	37
4	5-Bromo-1-methylindole-2-carboxy...	253	C10H8BrNO2	090766-47-5	36
5	6-(2-Formylhydrazino)-N,N'-bis(i...	253	C10H19N7O	084305-82-8	35

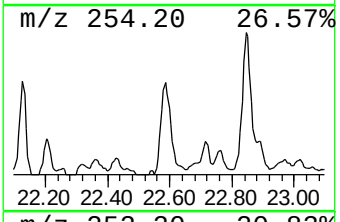


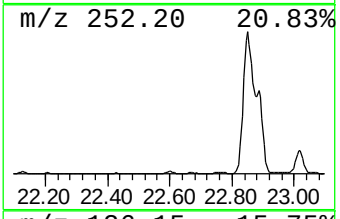


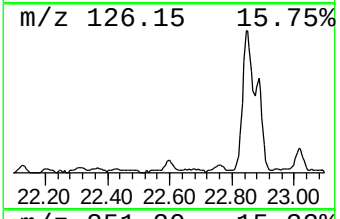


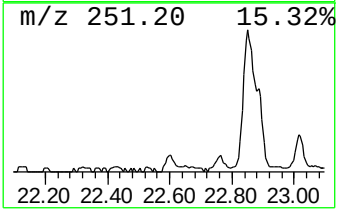












Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM020816\
Data File : BM004202.D
Acq On : 08 Feb 2016 16:23
Operator : SJ/IZ
Sample : H1340-07
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C04J6

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM012016.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
unknown-01	4.08	12.3	ng/ul	84551	1	7.66	137694	20.0
unknown-02	4.49	9.6	ng/ul	65825	1	7.66	137694	20.0
(DEL) Alkane: Str...	15.17	2.6	ng/ul	45482	3	14.32	353091	20.0
(DEL) Alkane: Str...	16.03	3.8	ng/ul	83121	4	17.07	443720	20.0
(DEL) Alkane: Str...	16.82	2.8	ng/ul	63116	4	17.07	443720	20.0
Azuleno(2,1-b)thi...	16.88	2.3	ng/ul	51581	4	17.07	443720	20.0
Phenanthrene, 2-m...	17.94	5.0	ng/ul	111970	4	17.07	443720	20.0
Phenanthrene, 1-m...	17.99	6.1	ng/ul	135105	4	17.07	443720	20.0
Anthracene, 1-met...	18.07	2.0	ng/ul	45533	4	17.07	443720	20.0
4H-Cyclopenta[def...	18.14	8.0	ng/ul	177993	4	17.07	443720	20.0
Phenanthrene, 3-m...	18.17	2.5	ng/ul	55976	4	17.07	443720	20.0
Naphthalene, 2-ph...	18.45	3.0	ng/ul	67498	4	17.07	443720	20.0
9,10-Anthracenedione	18.50	3.2	ng/ul	70269	4	17.07	443720	20.0
Phenanthrene, 2,5...	18.87	2.6	ng/ul	58602	4	17.07	443720	20.0
Cyclopenta(def)ph...	19.02	3.3	ng/ul	72170	4	17.07	443720	20.0
Pyrene, 1-methyl-	20.00	2.4	ng/ul	186341	5	21.28	1534390	20.0
Benzo[b]naphtho[2...	20.92	2.1	ng/ul	160042	5	21.28	1534390	20.0
unknown-03	22.60	2.8	ng/ul	77434	6	23.51	564162	20.0