LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM061017\
Data File : BM010518.D
Acq On : 11 Jun 2017 10:46
Operator : SJ/MA
Sample : I3522-12
Misc :
ALS Vial : 43 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F5C33

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 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\SOM-EPA-BM052717.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	7.075	672	678	690	rBV2	406543	746985	3.36%	0.461%
2	7.234	697	705	713	rBV	273773	444846	2.00%	0.275%
3	7.428	728	738	746	rBV2	486592	808846	3.63%	0.500%
4	7.887	810	816	828	rVB2	654058	1057897	4.75%	0.654%
5	8.610	931	939	946	rBV2	525501	884215	3.97%	0.546%
6	9.075	1012	1018	1024	rBV	426364	686203	3.08%	0.424%
7	9.787	1133	1139	1147	rBV2	423896	720918	3.24%	0.445%
8	10.316	1221	1229	1238	rBV	673916	1166049	5.24%	0.720%
9	10.693	1285	1293	1298	rBV	815986	1419032	6.38%	0.877%
10	10.746	1298	1302	1310	rVB	603186	956874	4.30%	0.591%
11	10.857	1313	1321	1331	rBV	516393	985355	4.43%	0.609%
12	12.345	1568	1574	1580	rBV	634214	1017265	4.57%	0.628%
13	12.569	1603	1612	1619	rVB	449069	743461	3.34%	0.459%
14	13.357	1738	1746	1754	rBV	515541	793071	3.56%	0.490%
15	13.675	1795	1800	1801	rBV	222603	268481	1.21%	0.166%
16	13.840	1821	1828	1833	rBV	430413	765430	3.44%	0.473%
17	13.892	1833	1837	1841	rVV	252437	352265	1.58%	0.218%
18	13.945	1841	1846	1850	rVV	1276891	1798865	8.08%	1.111%
19	13.992	1850	1854	1862	rVB	1266482	1716999	7.72%	1.061%
20	14.075	1862	1868	1872	rBV2	222669	358781	1.61%	0.222%
21	14.228	1886	1894	1903	rBV	1344668	2178286	9.79%	1.346%
22	14.492	1934	1939	1941	rBV	395959	542034	2.44%	0.335%
23	14.528	1941	1945	1951	rVV2	1292454	1964282	8.83%	1.213%
24	14.592	1951	1956	1963	rVB	2793355	4048457	18.19%	2.501%
25	14.769	1981	1986	1994	rBV	386855	626802	2.82%	0.387%
26	14.928	2005	2013	2018	rBV	2465653	3654912	16.42%	2.258%
27	14.986	2018	2023	2028	rVB4	198300	328628	1.48%	0.203%
28	15.128	2040	2047	2052	rBV2	181401	309064	1.39%	0.191%
29	15.304	2069	2077	2080	rBV5	172859	348005	1.56%	0.215%
30	15.522	2109	2114	2118	rVB	1609796	2171750	9.76%	1.342%
31	15.575	2118	2123	2131	rVB	3187829	4661634	20.95%	2.880%
32	15.651	2131	2136	2141	rBV3	584592	998226	4.49%	0.617%
33	15.734	2146	2150	2154	rVB	291270	423684	1.90%	0.262%
34	15.822	2161	2165	2168	rBV2	203913	286684	1.29%	0.177%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM061017\
Data File : BM010518.D
Acq On : 11 Jun 2017 10:46
Operator : SJ/MA
Sample : I3522-12
Misc :
ALS Vial : 43 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F5C33

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 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\SOM-EPA-BM052717.M
Title : SVOA CALIBRATION

35	15.863	2168	2172	2178	rVB	751675	1078311	4.85%	0.666%
36	16.010	2192	2197	2204	rBV	791674	1493409	6.71%	0.923%
37	16.104	2209	2213	2219	rVB	155239	226322	1.02%	0.140%
38	16.210	2226	2231	2238	rVB3	143105	309407	1.39%	0.191%
39	16.569	2281	2292	2297	rBV2	526937	1200139	5.39%	0.741%
40	16.622	2297	2301	2306	rVV2	197561	294238	1.32%	0.182%
41	16.722	2314	2318	2323	rVB2	170876	239047	1.07%	0.148%
42	16.792	2323	2330	2333	rBV2	263521	488827	2.20%	0.302%
43	16.833	2333	2337	2340	rVB3	195461	256954	1.15%	0.159%
44	16.992	2360	2364	2376	rVV4	292639	736960	3.31%	0.455%
45	17.098	2376	2382	2392	rVB	962571	1560966	7.01%	0.964%
46	17.280	2407	2413	2416	rBV	1880682	2863957	12.87%	1.769%
47	17.328	2416	2421	2425	rVV	16489567	22254627	100.00%	13.748%
48	17.375	2425	2429	2432	rVV2	2176329	2947639	13.25%	1.821%
49	17.410	2432	2435	2447	rVB	1496717	2141584	9.62%	1.323%
50	17.692	2473	2483	2494	rVB2	525911	1165880	5.24%	0.720%
51	17.786	2495	2499	2506	rBV2	257175	419949	1.89%	0.259%
52	17.992	2529	2534	2540	rVB2	145253	258416	1.16%	0.160%
53	18.145	2551	2560	2564	rBV	1230803	2168965	9.75%	1.340%
54	18.192	2564	2568	2574	rVV	1533990	2104851	9.46%	1.300%
55	18.275	2577	2582	2587	rVV	552110	804867	3.62%	0.497%
56	18.345	2587	2594	2598	rVV2	1667632	3089253	13.88%	1.908%
57	18.375	2598	2599	2606	rVB	618734	647906	2.91%	0.400%
58	18.645	2640	2645	2650	rVB	892564	1194526	5.37%	0.738%
59	18.933	2690	2694	2697	rVB	196791	235751	1.06%	0.146%
60	19.051	2709	2714	2719	rBV2	388994	633525	2.85%	0.391%
61	19.122	2720	2726	2729	rVV4	193786	375075	1.69%	0.232%
62	19.333	2755	2762	2767	rBV	11797584	15251338	68.53%	9.422%
63	19.386	2767	2771	2775	rBV2	187552	372255	1.67%	0.230%
64	19.533	2790	2796	2800	rBV	1751478	1934823	8.69%	1.195%
65	19.574	2800	2803	2812	rVB2	303407	554991	2.49%	0.343%
66	19.663	2812	2818	2821	rBV2	4170607	7177376	32.25%	4.434%
67	19.698	2821	2824	2830	rVV	6836838	8717914	39.17%	5.386%
68	19.757	2830	2834	2838	rVB2	471939	643995	2.89%	0.398%
69	19.869	2848	2853	2857	rVB	435101	569298	2.56%	0.352%
70	20.004	2871	2876	2884	rVB3	532658	1213779	5.45%	0.750%
71	20.180	2894	2906	2910	rVB	1266083	2278789	10.24%	1.408%

LSC Area Percent Report

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Acq On : 11 Jun 2017 10:46
Operator : SJ/MA
Sample : I3522-12
Misc :
ALS Vial : 43 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F5C33

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 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\SOM-EPA-BM052717.M
Title : SVOA CALIBRATION

72	20.280	2918	2923	2926	rBV	1133002	1479583	6.65%	0.914%
73	20.339	2926	2933	2936	rVV2	460658	905963	4.07%	0.560%
74	20.374	2936	2939	2942	rVV2	240886	272683	1.23%	0.168%
75	20.480	2953	2957	2959	rBV	304502	372441	1.67%	0.230%
76	20.521	2961	2964	2969	rVV	351207	535465	2.41%	0.331%
77	20.574	2969	2973	2976	rVB	912606	996886	4.48%	0.616%
78	20.874	3022	3024	3028	rBV5	157642	223741	1.01%	0.138%
79	21.092	3057	3061	3064	rBV	696078	937985	4.21%	0.579%
80	21.127	3064	3067	3071	rVV	485326	604535	2.72%	0.373%
81	21.168	3071	3074	3078	rVB2	370055	460057	2.07%	0.284%
82	21.439	3113	3120	3124	rBV2	4280950	8886526	39.93%	5.490%
83	21.480	3124	3127	3131	rVB	1882005	2248435	10.10%	1.389%
84	21.598	3144	3147	3154	rBV	504809	700157	3.15%	0.433%
85	23.068	3391	3397	3402	rBV	1346565	3181462	14.30%	1.965%
86	23.574	3479	3483	3487	rBV	553637	876537	3.94%	0.541%
87	23.627	3487	3492	3496	rVV	2007303	3740490	16.81%	2.311%
88	23.674	3497	3500	3507	rVB	1069528	1725555	7.75%	1.066%
89	23.780	3512	3518	3524	rBV	1907247	3584219	16.11%	2.214%

Sum of corrected areas: 161872915

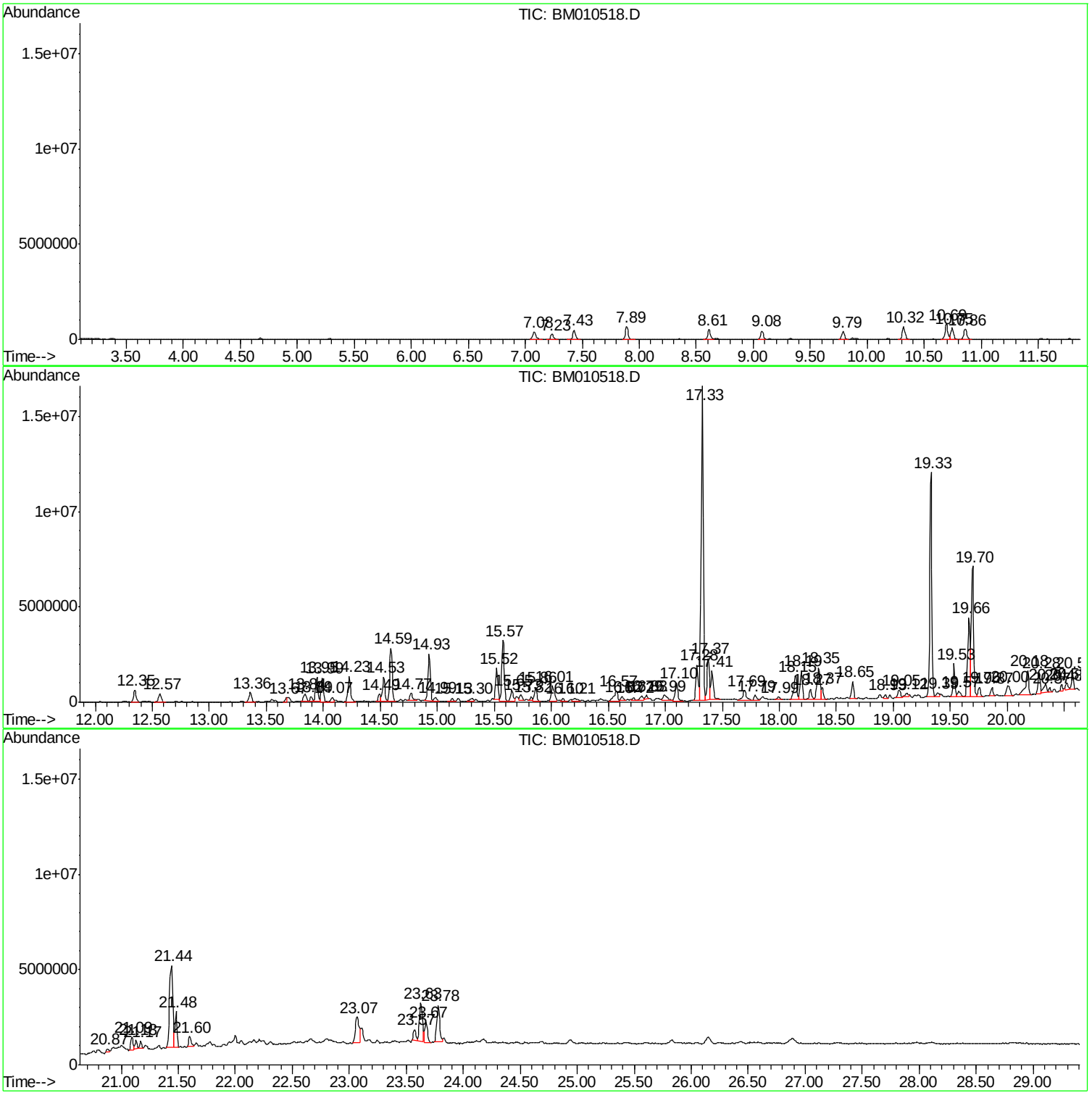
LSC Report - Integrated Chromatogram

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM061017\
Data File : BM010518.D
Acq On : 11 Jun 2017 10:46
Operator : SJ/MA
Sample : I3522-12
Misc :
ALS Vial : 43 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F5C33

Quant Method : Z:\HPCHEM1\BNA_M\Methods\SOM-EPA-BM052717.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P



Data Path : Z:\HPCHEM1\BNA_M\DATA\BM061017\
Data File : BM010518.D
Acq On : 11 Jun 2017 10:46
Operator : SJ/MA
Sample : I3522-12
Misc :
ALS Vial : 43 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F5C33

Quant Method : Z:\HPCHEM1\BNA_M\Methods\SOM-EPA-BM052717.M
Quant Title : SVOA CALIBRATION

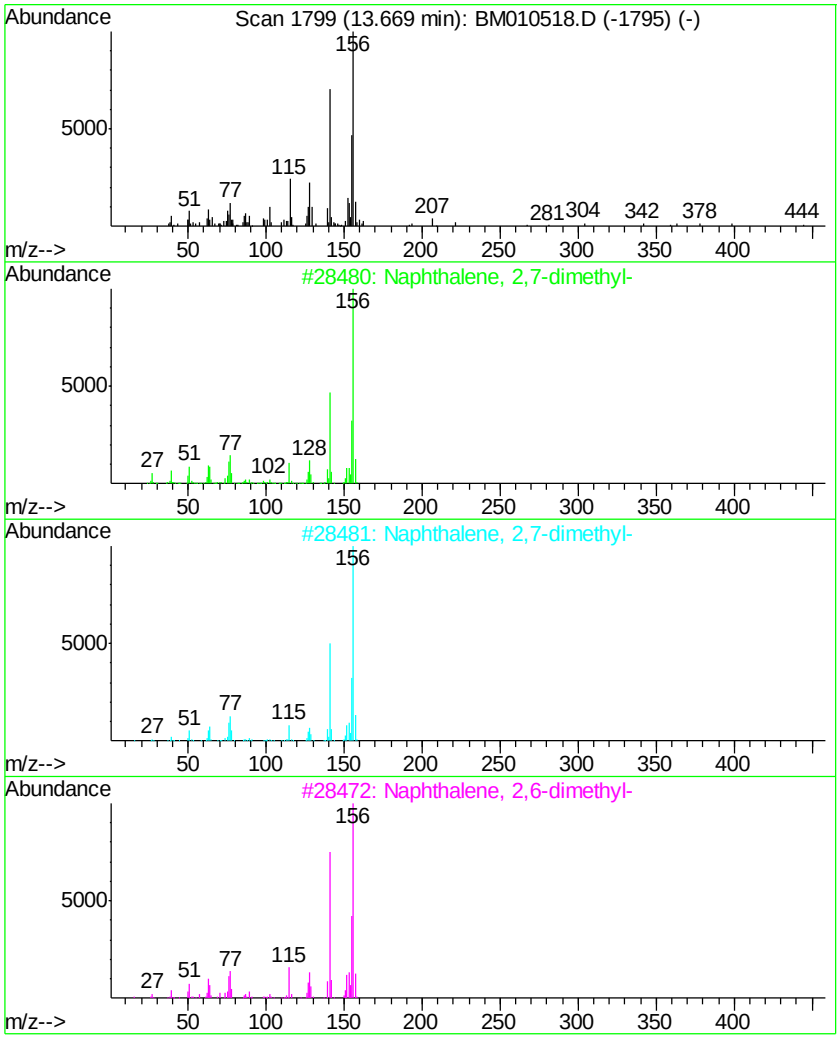
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

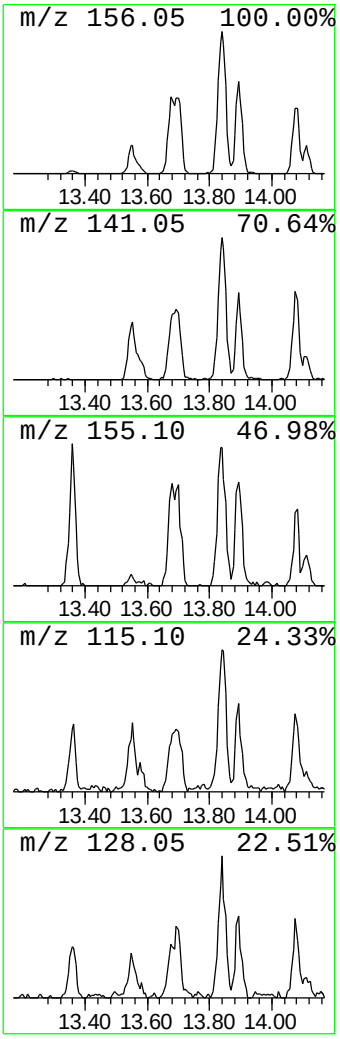
****

Peak Number 2 Naphthalene, 2,7-dimethyl- Concentration Rank 28

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.67	2.73 ng/ul	268481	Acenaphthene-d10	14.53

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	94
2	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	94
3	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	93
4	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	93
5	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	91





Data Path : Z:\HPCHEM1\BNA_M\DATA\BM061017\
Data File : BM010518.D
Acq On : 11 Jun 2017 10:46
Operator : SJ/MA
Sample : I3522-12
Misc :
ALS Vial : 43 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F5C33

Quant Method : Z:\HPCHEM1\BNA_M\Methods\SOM-EPA-BM052717.M
Quant Title : SVOA CALIBRATION

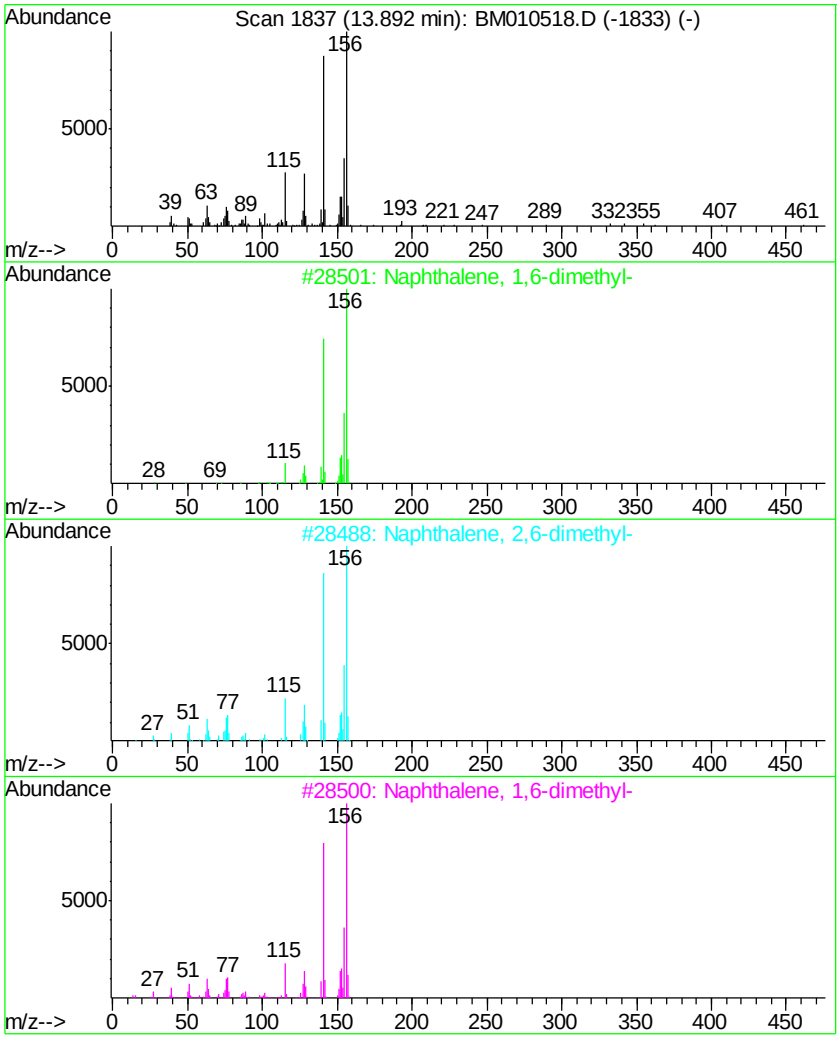
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

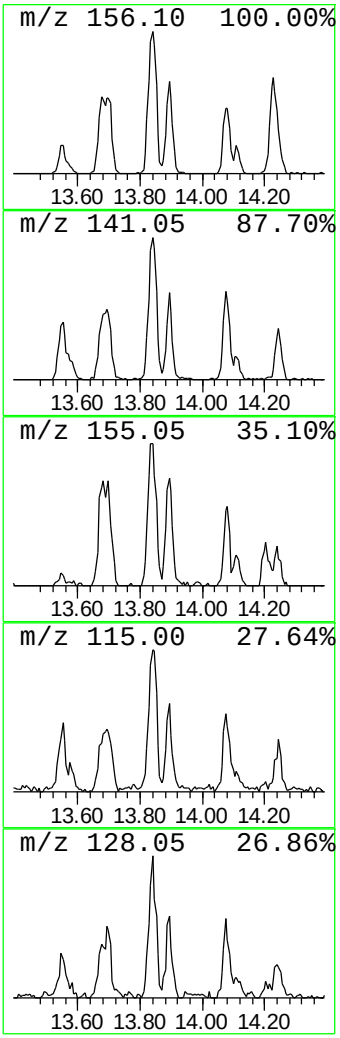
****

Peak Number 4 Naphthalene, 1,6-dimethyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.89	3.59 ng/ul	352265	Acenaphthene-d10	14.53

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	95
2	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	95
3	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	95
4	Naphthalene, 1,2-dimethyl-	156	C12H12	000573-98-8	94
5	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	94





Data Path : Z:\HPCHEM1\BNA_M\DATA\BM061017\
Data File : BM010518.D
Acq On : 11 Jun 2017 10:46
Operator : SJ/MA
Sample : I3522-12
Misc :
ALS Vial : 43 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F5C33

Quant Method : Z:\HPCHEM1\BNA_M\Methods\SOM-EPA-BM052717.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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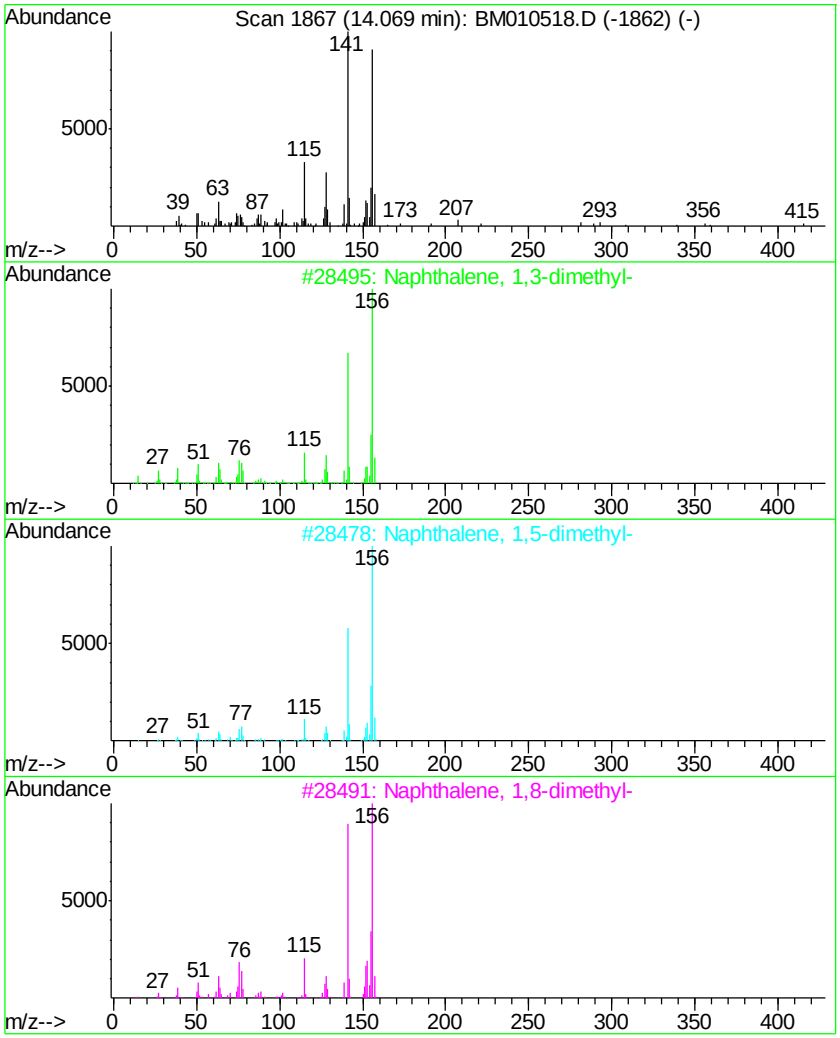
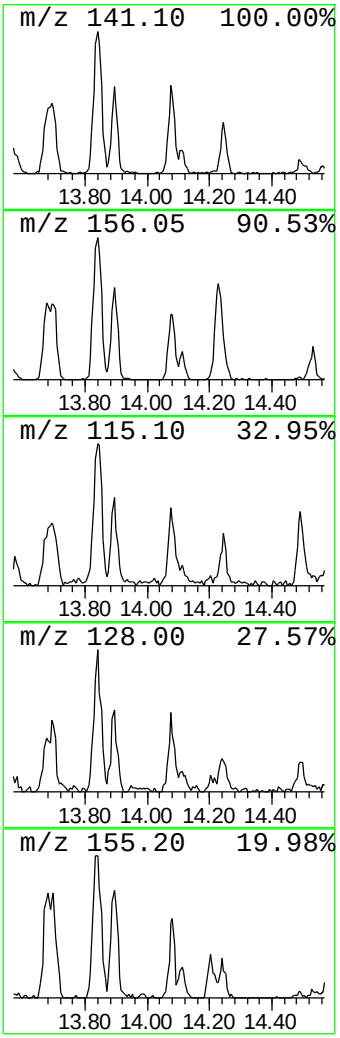
Peak Number 5 Naphthalene, 1,3-dimethyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.07	3.65 ng/ul	358781	Acenaphthene-d10	14.53

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	94
2	Naphthalene, 1,5-dimethyl-	156	C12H12	000571-61-9	93
3	Naphthalene, 1,8-dimethyl-	156	C12H12	000569-41-5	93
4	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	93
5	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	93





Data Path : Z:\HPCHEM1\BNA_M\DATA\BM061017\
Data File : BM010518.D
Acq On : 11 Jun 2017 10:46
Operator : SJ/MA
Sample : I3522-12
Misc :
ALS Vial : 43 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F5C33

Quant Method : Z:\HPCHEM1\BNA_M\Methods\SOM-EPA-BM052717.M
Quant Title : SVOA CALIBRATION

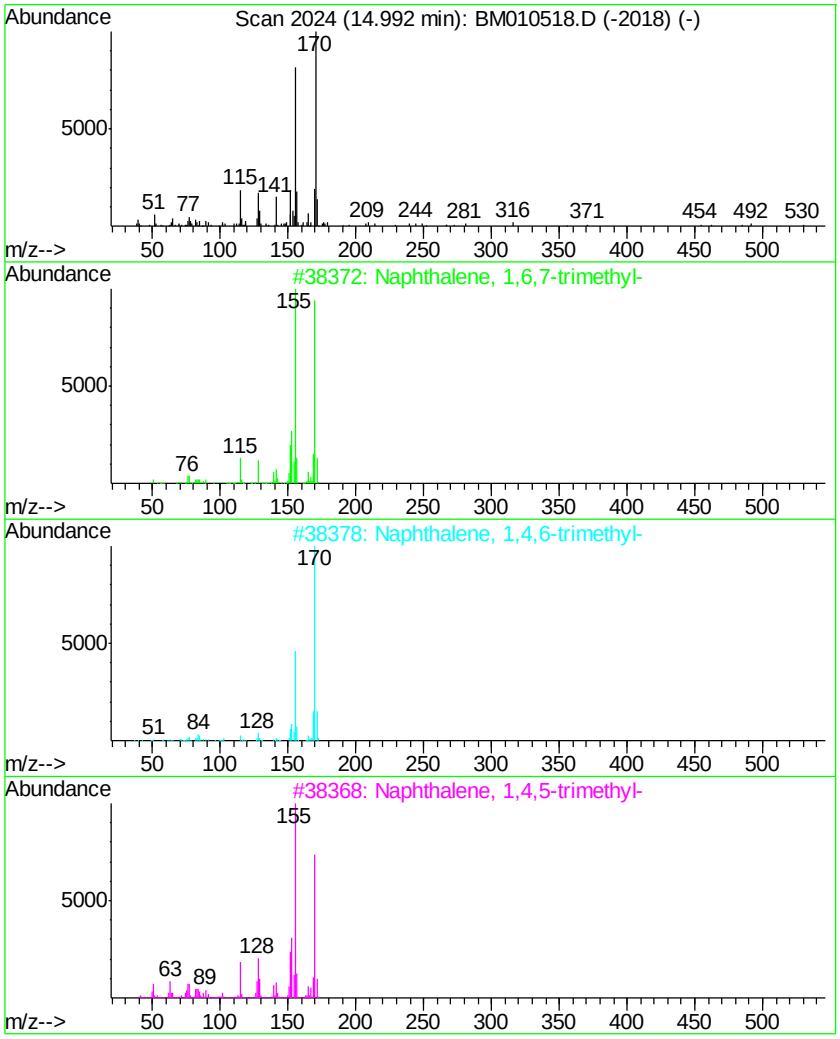
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

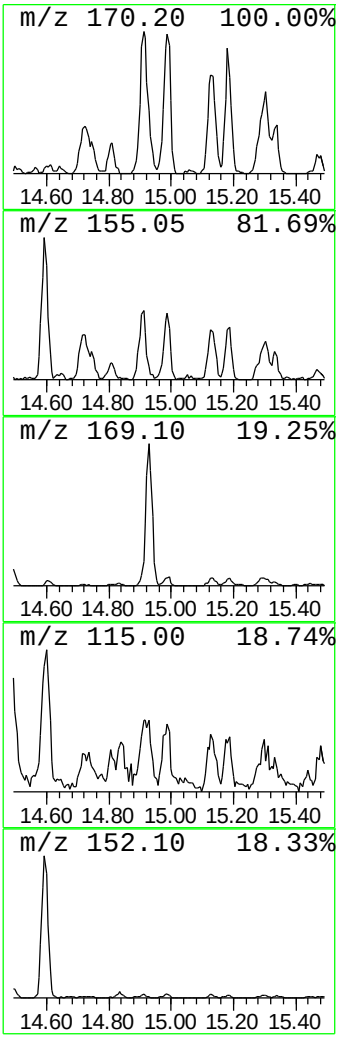
****

Peak Number 6 Naphthalene, 1,6,7-trimethyl- Concentration Rank 23

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.99	3.35 ng/ul	328628	Acenaphthene-d10	14.53

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	93
2	Naphthalene, 1,4,6-trimethyl-	170	C13H14	002131-42-2	90
3	Naphthalene, 1,4,5-trimethyl-	170	C13H14	002131-41-1	87
4	3-(2-Methyl-propenyl)-1H-indene	170	C13H14	1000187-78-5	80
5	Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	80





Data Path : Z:\HPCHEM1\BNA_M\DATA\BM061017\
Data File : BM010518.D
Acq On : 11 Jun 2017 10:46
Operator : SJ/MA
Sample : I3522-12
Misc :
ALS Vial : 43 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F5C33

Quant Method : Z:\HPCHEM1\BNA_M\Methods\SOM-EPA-BM052717.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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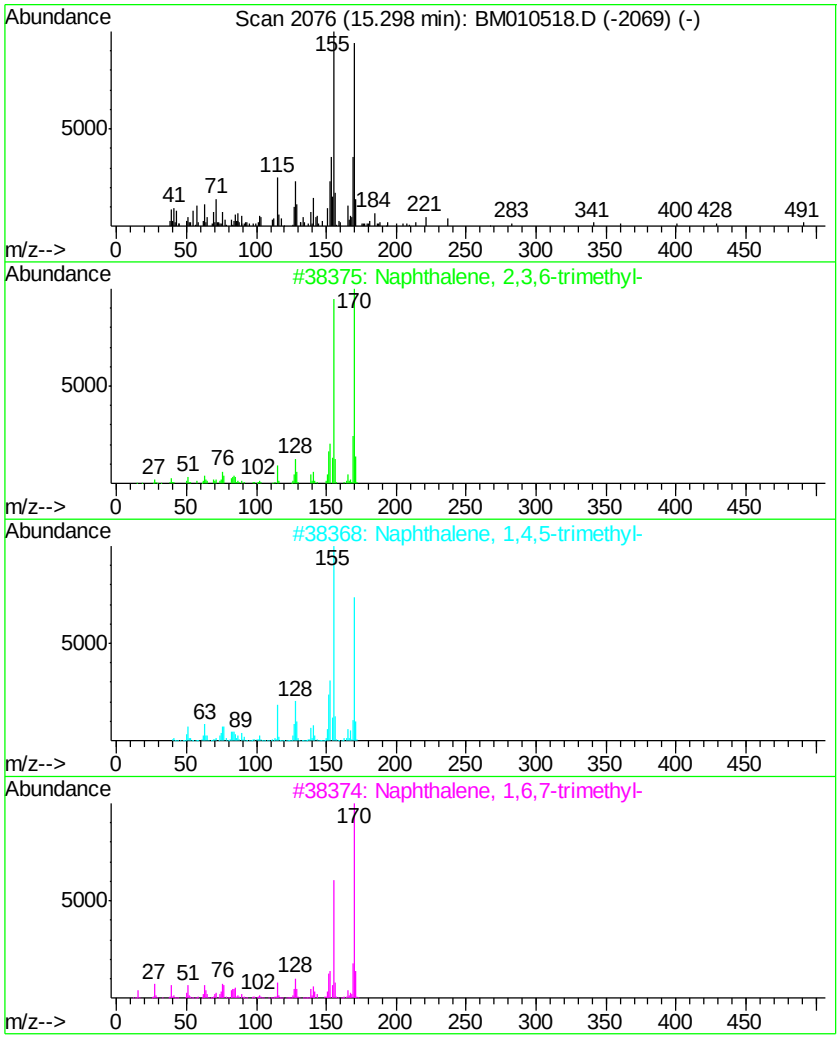
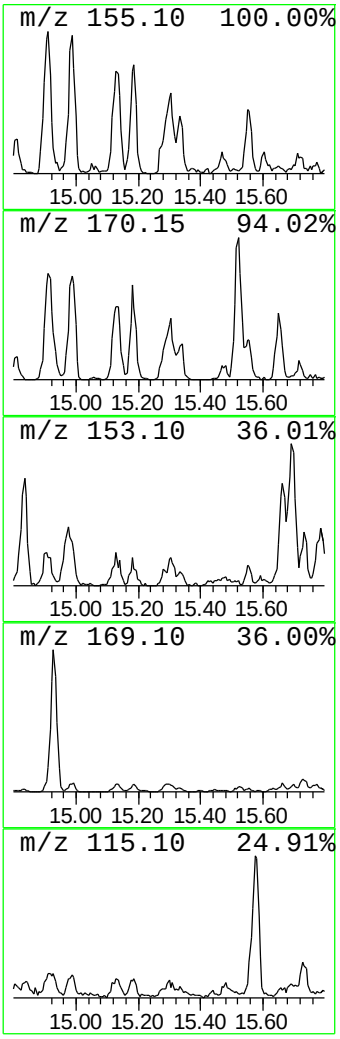
Peak Number 8 Naphthalene, 2,3,6-trimethyl- Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.30	3.54 ng/ul	348005	Acenaphthene-d10	14.53

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	93
2	Naphthalene, 1,4,5-trimethyl-	170	C13H14	002131-41-1	93
3	Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	93
4	3-(2-Methyl-propenyl)-1H-indene	170	C13H14	1000187-78-5	90
5	Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	90





Data Path : Z:\HPCHEM1\BNA_M\DATA\BM061017\
Data File : BM010518.D
Acq On : 11 Jun 2017 10:46
Operator : SJ/MA
Sample : I3522-12
Misc :
ALS Vial : 43 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F5C33

Quant Method : Z:\HPCHEM1\BNA_M\Methods\SOM-EPA-BM052717.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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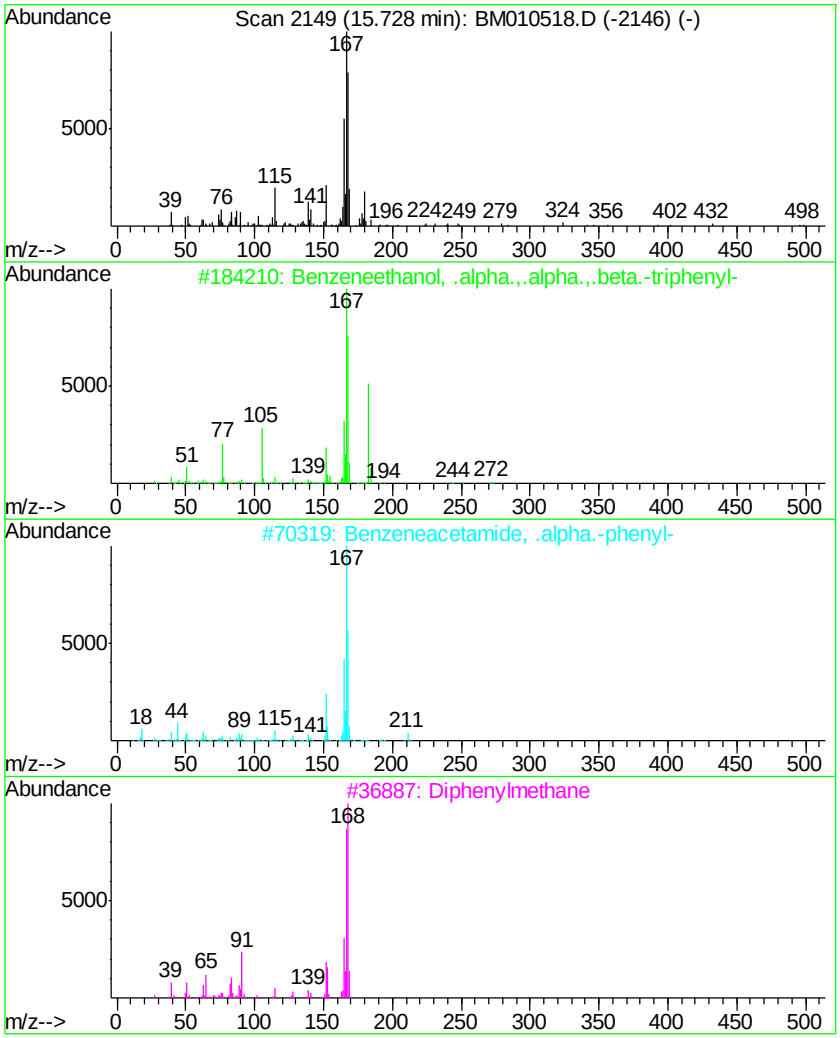
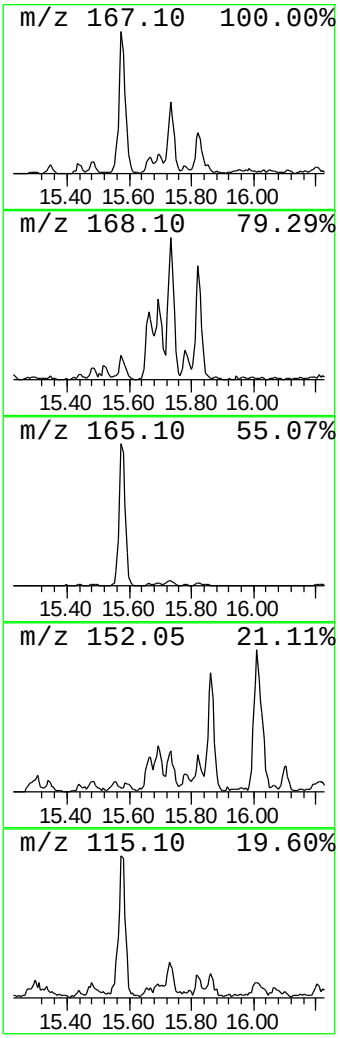
Peak Number 9 Benzeneethanol, .alpha.,.al... Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.73	4.31 ng/ul	423684	Acenaphthene-d10	14.53

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzeneethanol, .alpha.,.alpha.,...	350	C26H22O	000981-24-8	90
2	Benzeneacetamide, .alpha.-phenyl-	211	C14H13NO	004695-13-0	78
3	Diphenylmethane	168	C13H12	000101-81-5	64
4	Nordiphenamid	225	C15H15NO	000954-21-2	64
5	Fluorene, 2,4a-dihydro-	168	C13H12	059247-36-8	62





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Operator : SJ/MA
Sample : I3522-12
Misc :
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Instrument : BNA_M
ClientSampleId : F5C33

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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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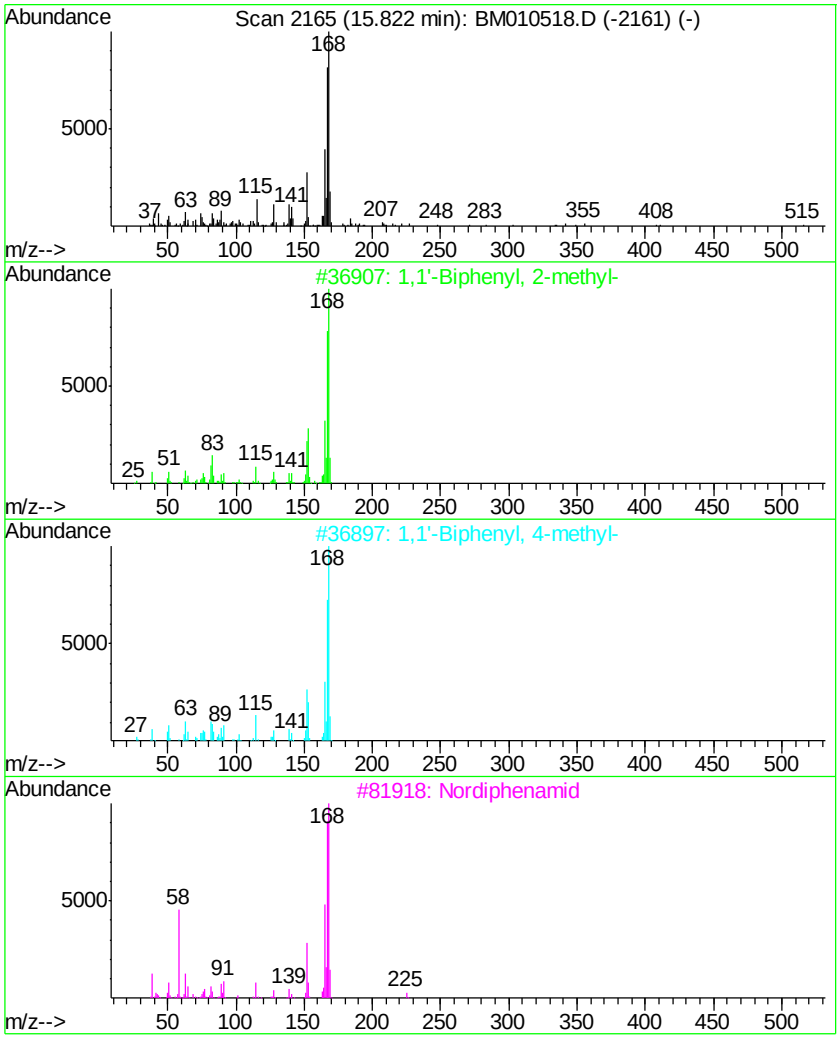
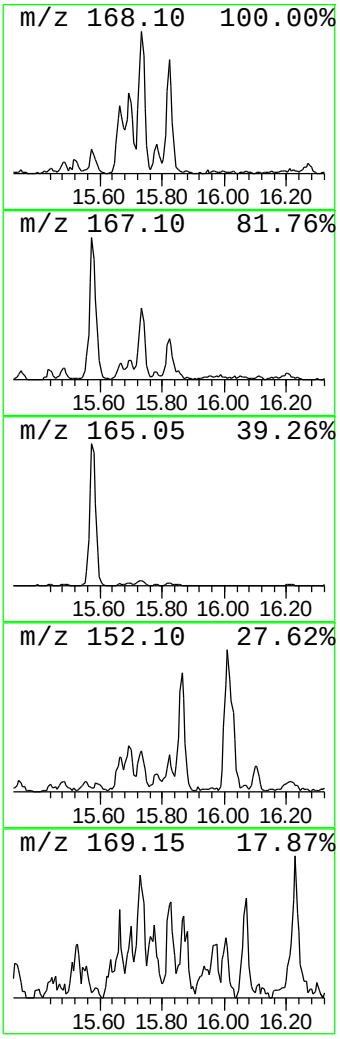
Peak Number 10 1,1'-Biphenyl, 2-methyl- Concentration Rank 27

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.82	2.92 ng/ul	286684	Acenaphthene-d10	14.53

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 2-methyl-	168	C13H12	000643-58-3	90
2	1,1'-Biphenyl, 4-methyl-	168	C13H12	000644-08-6	81
3	Nordiphenamid	225	C15H15NO	000954-21-2	78
4	1,1'-Biphenyl, 3-methyl-	168	C13H12	000643-93-6	76
5	1,1'-Biphenyl, 2-methyl-	168	C13H12	000643-58-3	76





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Instrument : BNA_M
ClientSampleId : F5C33

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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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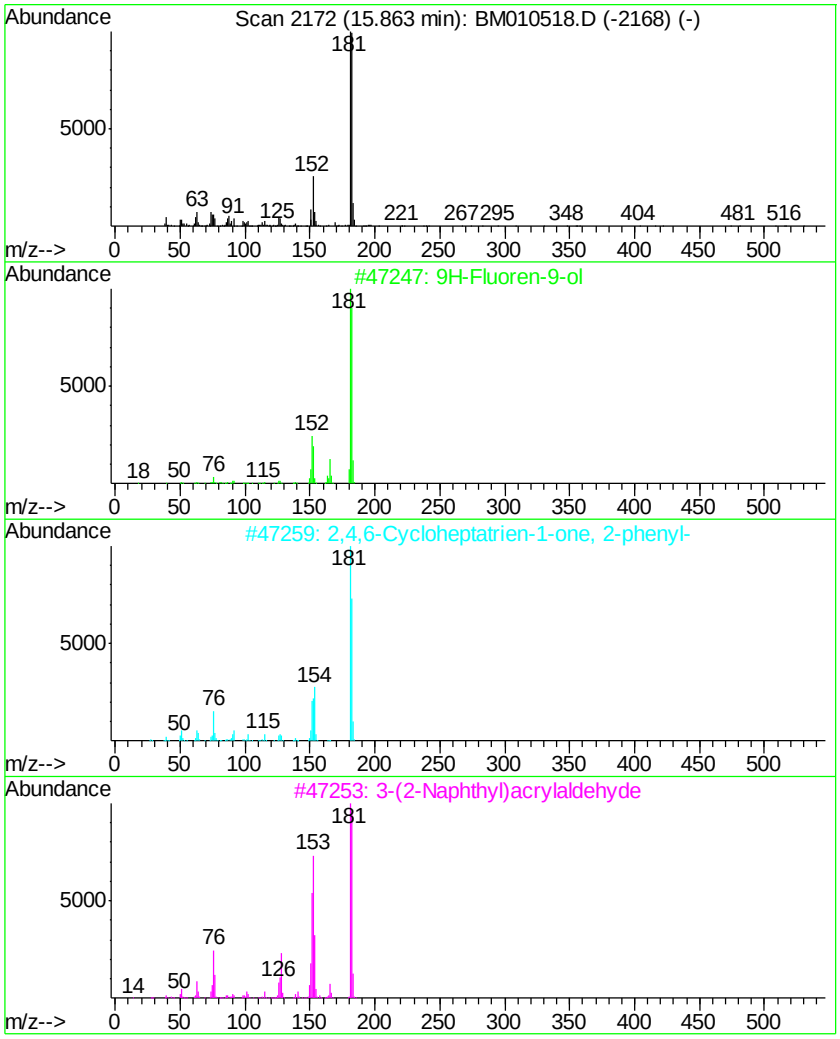
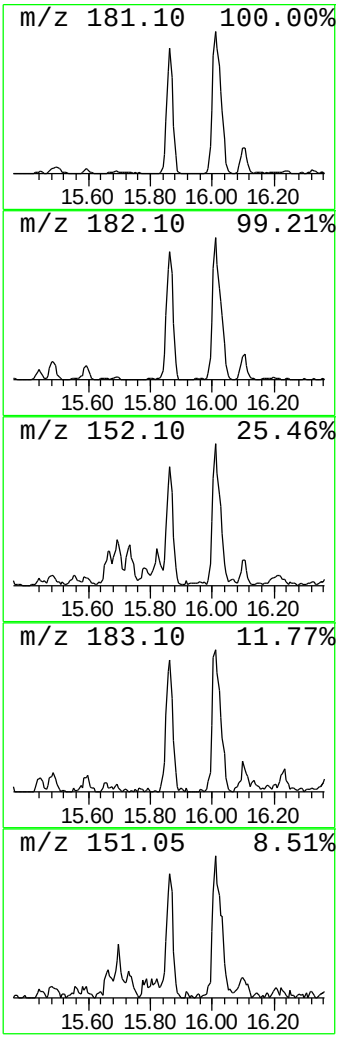
Peak Number 11 9H-Fluoren-9-ol Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.86	10.98 ng/ul	1078310	Acenaphthene-d10	14.53

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	87
2	2,4,6-Cycloheptatrien-1-one, 2-p...	182	C13H10O	014562-09-5	86
3	3-(2-Naphthyl)acrylaldehyde	182	C13H10O	020884-05-3	78
4	[1,1'-Biphenyl]-4-carboxaldehyde	182	C13H10O	003218-36-8	72
5	Pyrido[2,3-b]indole, 6-methyl-	182	C12H10N2	108349-67-3	72





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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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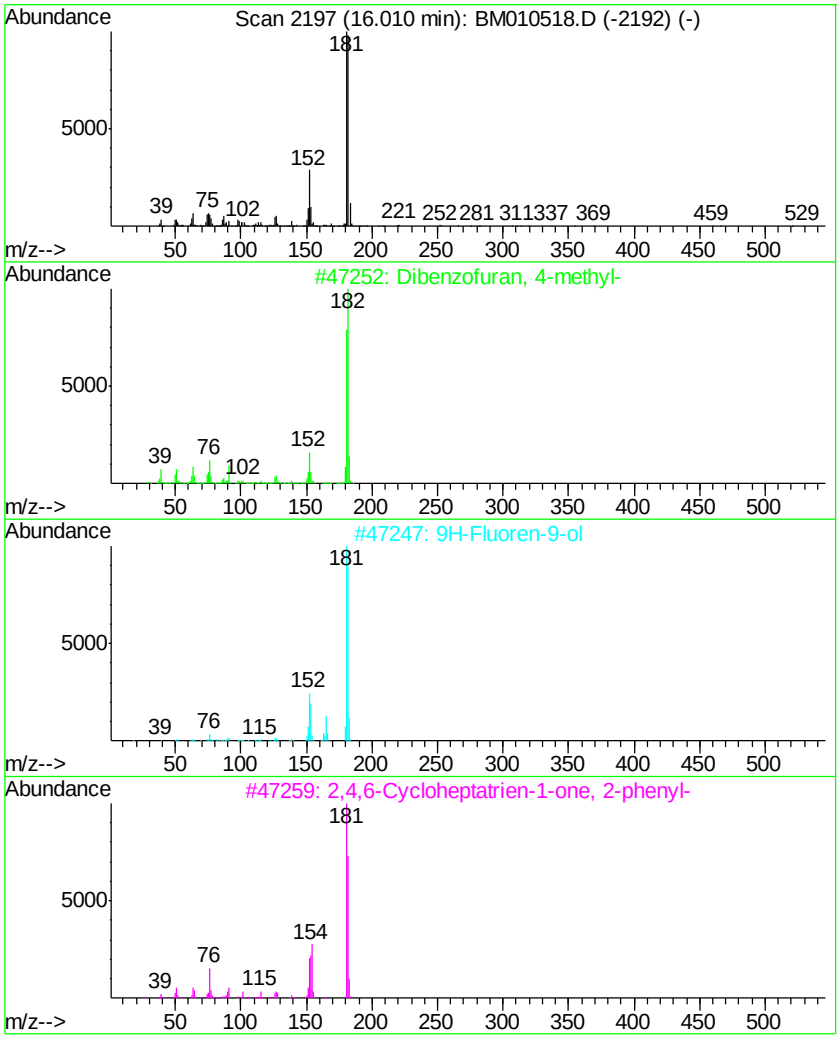
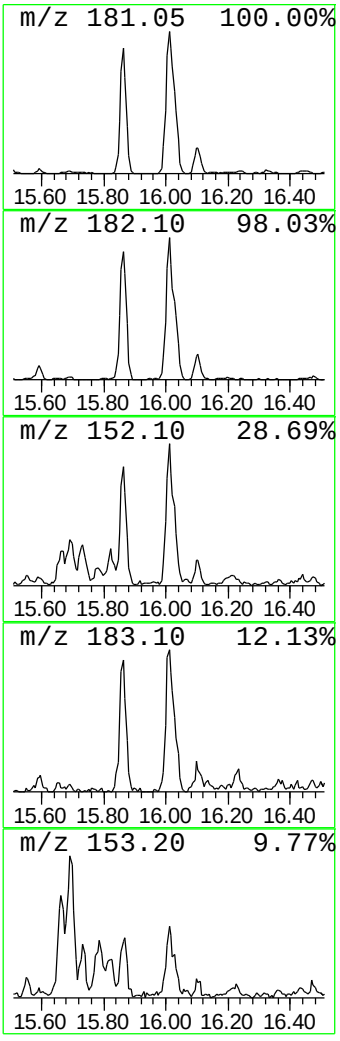
Peak Number 12 Dibenzofuran, 4-methyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.01	10.43 ng/ul	1493410	Phenanthrene-d10	17.28

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzofuran, 4-methyl-	182	C13H10O	007320-53-8	90
2	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	86
3	2,4,6-Cycloheptatrien-1-one, 2-p...	182	C13H10O	014562-09-5	86
4	[1,1'-Biphenyl]-4-carboxaldehyde	182	C13H10O	003218-36-8	72
5	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	64





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ALS Vial : 43 Sample Multiplier: 1

Instrument : BNA_M
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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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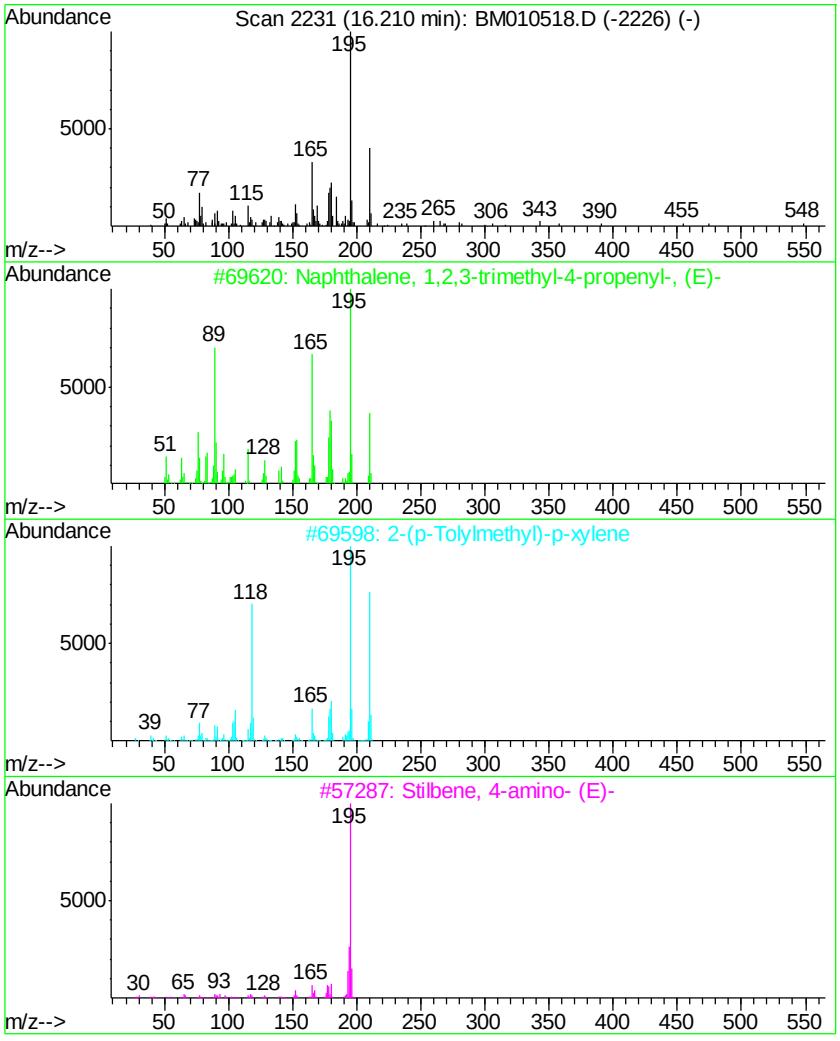
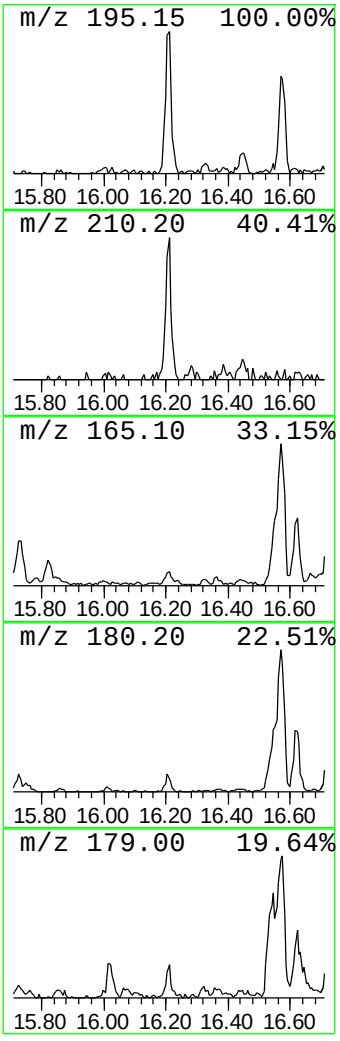
Peak Number 13 Naphthalene, 1,2,3-trimethy... Concentration Rank 32

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.21	2.16 ng/ul	309407	Phenanthrene-d10	17.28

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,2,3-trimethyl-4-p...	210	C16H18	026137-53-1	97
2	2-(p-Tolylmethyl)-p-xylene	210	C16H18	000721-45-9	80
3	Stilbene, 4-amino- (E)-	195	C14H13N	004309-66-4	58
4	(4-Acetylphenyl)phenylmethane	210	C15H14O	000782-92-3	58
5	2,4,6-Trimethoxyacetophenone	210	C11H14O4	000832-58-6	52





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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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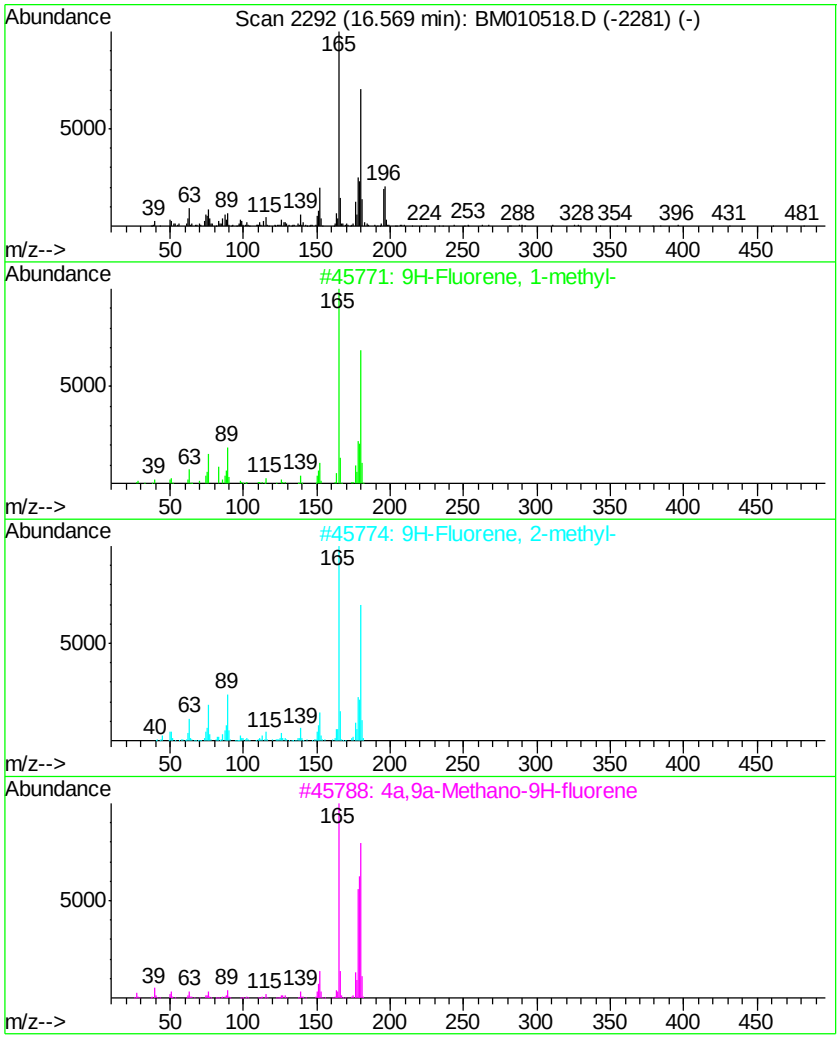
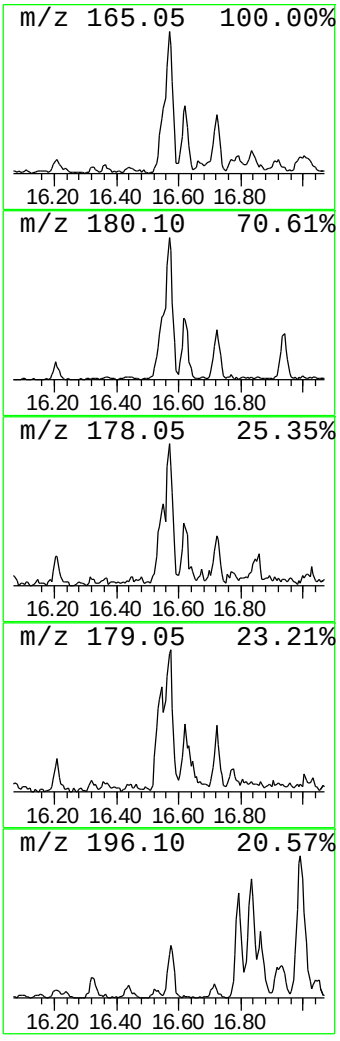
Peak Number 14 9H-Fluorene, 1-methyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.57	8.38 ng/ul	1200140	Phenanthrene-d10	17.28

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	86
2	9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	86
3	4a,9a-Methano-9H-fluorene	180	C14H12	019540-84-2	83
4	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	70
5	9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	70





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ALS Vial : 43 Sample Multiplier: 1

Instrument : BNA_M
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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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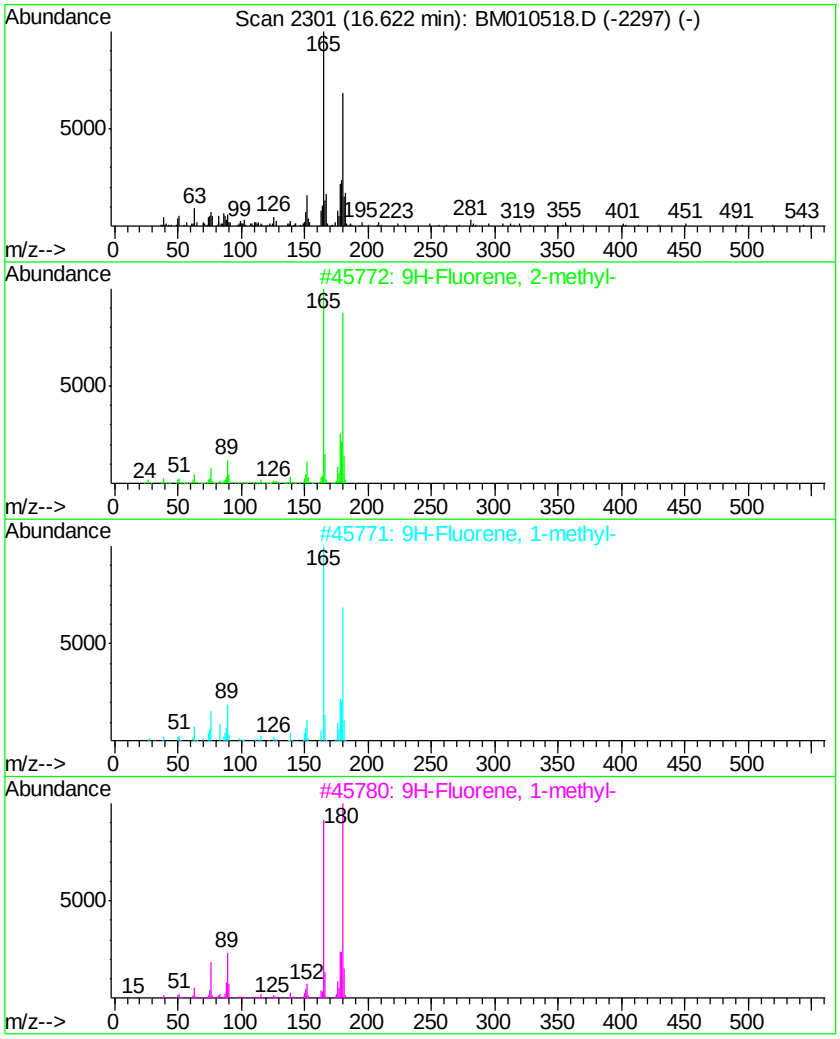
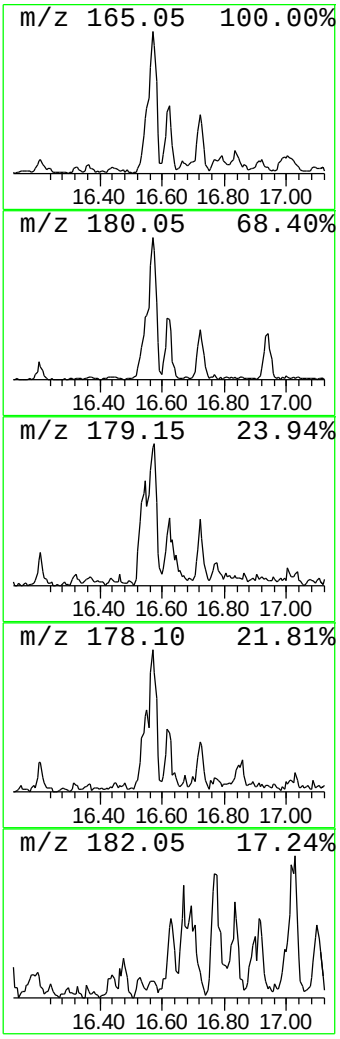
Peak Number 15 9H-Fluorene, 2-methyl- Concentration Rank 34

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.62	2.05 ng/ul	294238	Phenanthrene-d10	17.28

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	81
2	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	76
3	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	68
4	9H-Fluorene, 4-methyl-	180	C14H12	001556-99-6	68
5	9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	68





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Misc :
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Instrument : BNA_M
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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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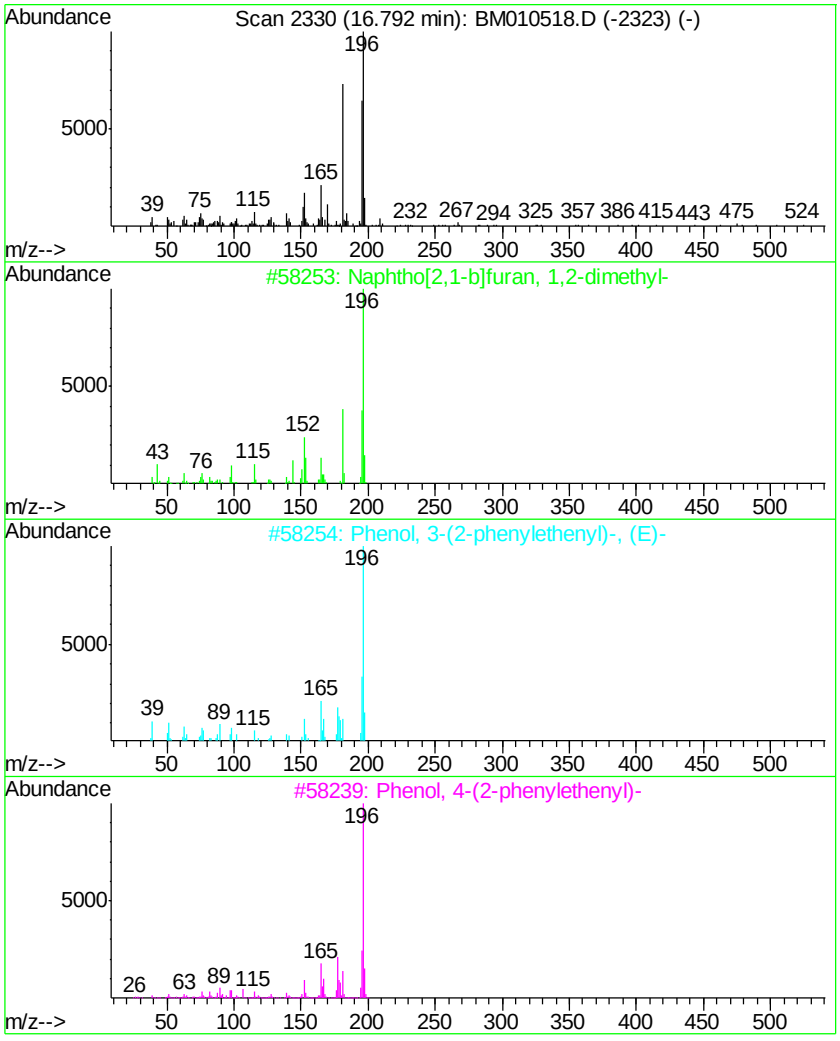
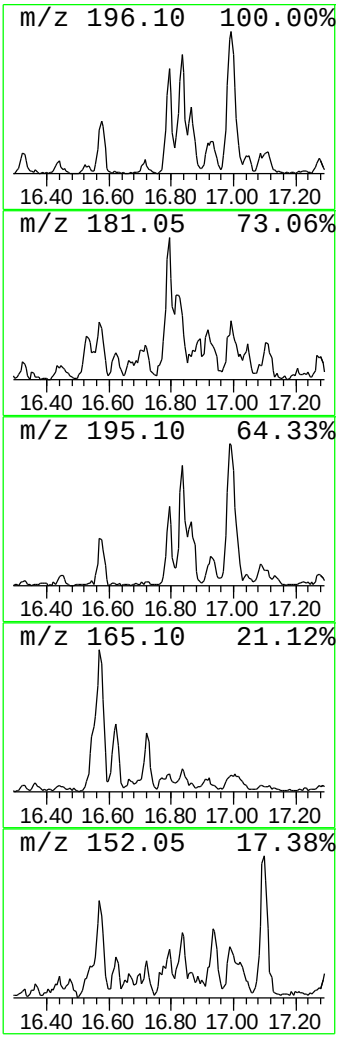
Peak Number 16 Naphtho[2,1-b]furan, 1,2-di... Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.79	3.41 ng/ul	488827	Phenanthrene-d10	17.28

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphtho[2,1-b]furan, 1,2-dimethyl-	196	C14H12O	129812-23-3	52
2	Phenol, 3-(2-phenylethenyl)-, (E)-	196	C14H12O	017861-18-6	52
3	Phenol, 4-(2-phenylethenyl)-	196	C14H12O	003839-46-1	52
4	9H-Fluorene, 2-methoxy-	196	C14H12O	002523-46-8	50
5	Benzenamine, 4-[(E)-2-(4-pyridin...	196	C13H12N2	1000351-61-4	50





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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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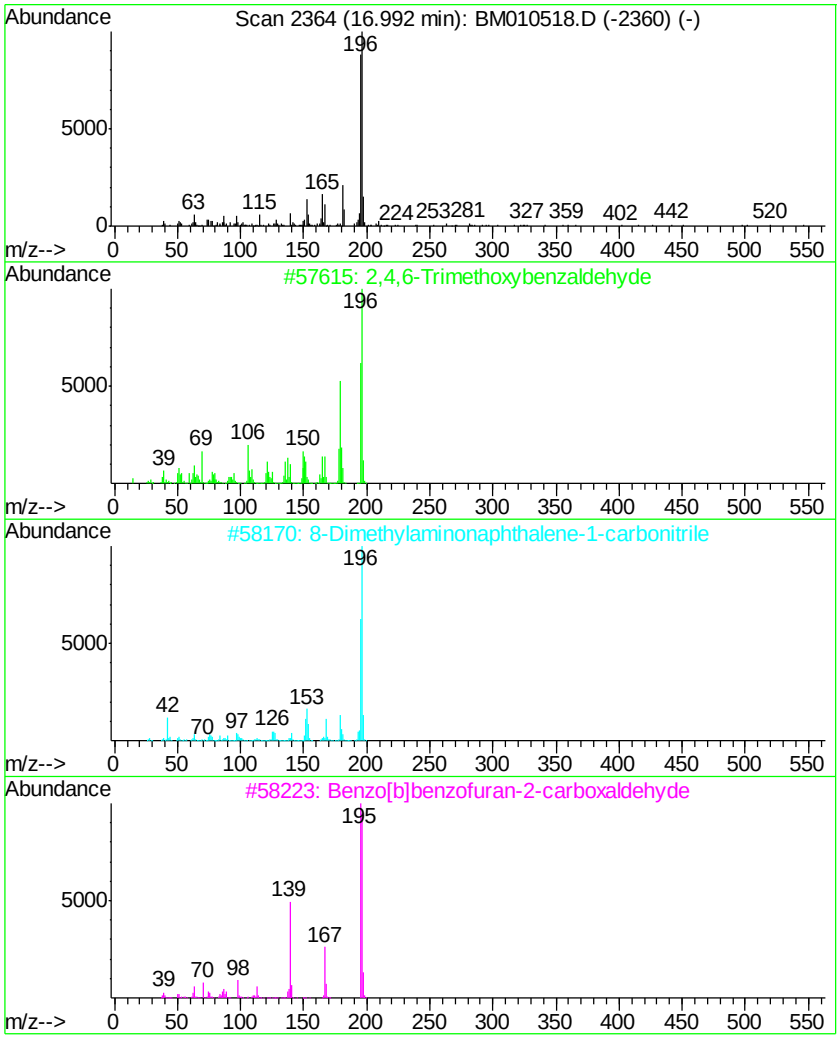
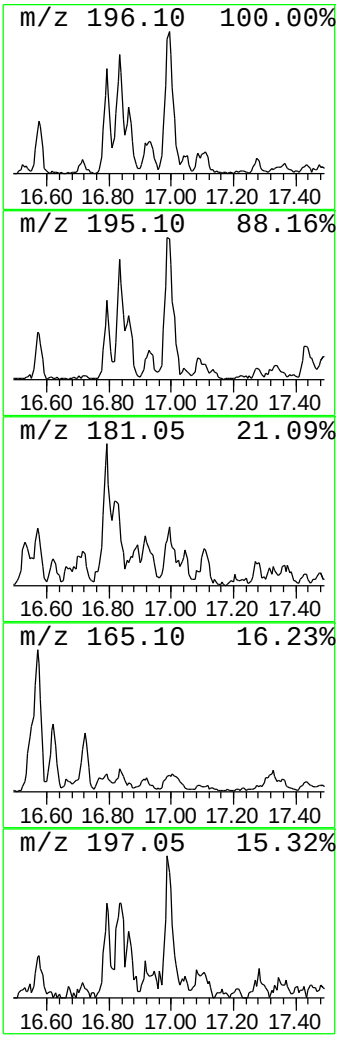
Peak Number 17 2,4,6-Trimethoxybenzaldehyde Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.99	5.15 ng/ul	736960	Phenanthrene-d10	17.28

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2,4,6-Trimethoxybenzaldehyde	196	C10H12O4	000830-79-5	72
2	8-Dimethylaminonaphthalene-1-car...	196	C13H12N2	128644-69-9	72
3	Benzo[b]benzofuran-2-carboxaldehyde	196	C13H8O2	1000351-56-0	64
4	Phenol, 3-(2-phenylethenyl)-, (E)-	196	C14H12O	017861-18-6	58
5	Phenol, 4-(2-phenylethenyl)-	196	C14H12O	003839-46-1	58





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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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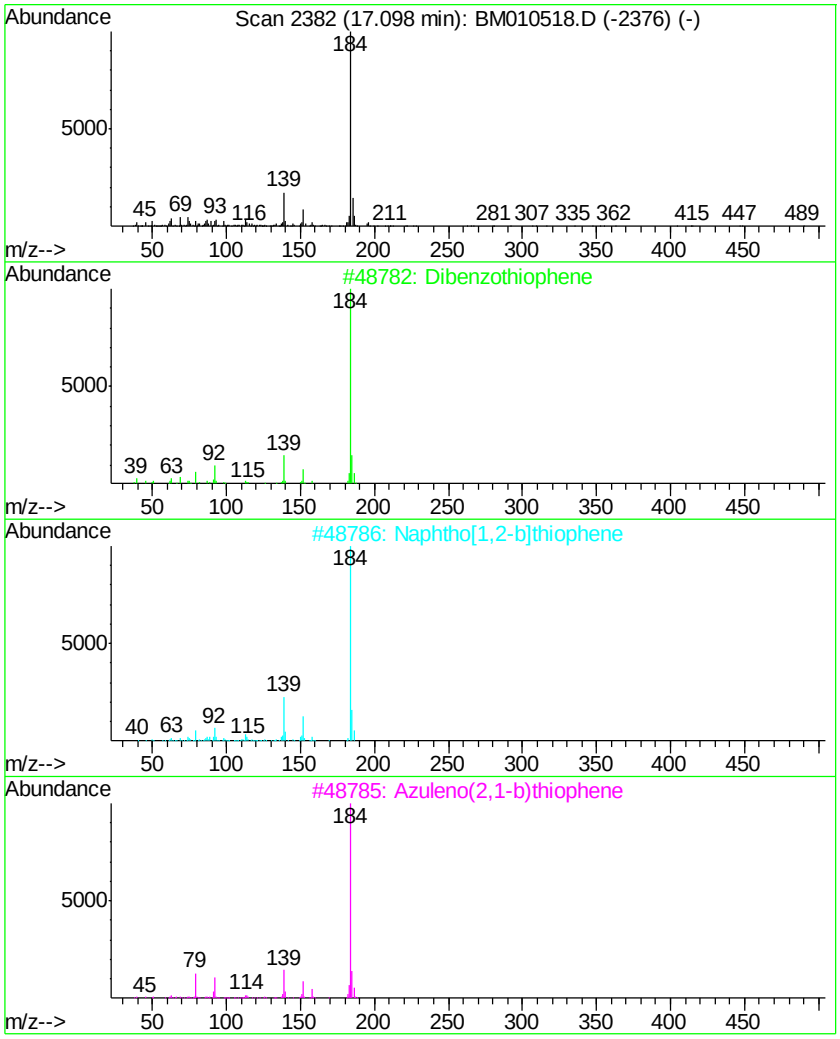
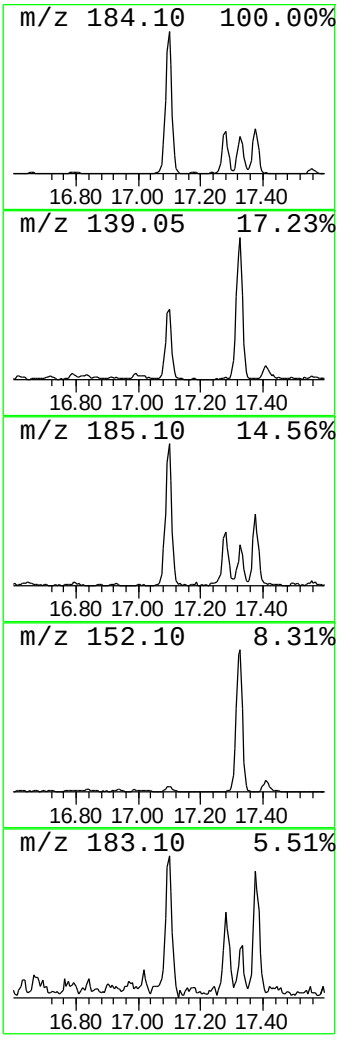
Peak Number 18 Dibenzothiophene Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.10	10.90 ng/ul	1560970	Phenanthrene-d10	17.28

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzothiophene	184	C12H8S	000132-65-0	94
2	Naphtho[1,2-b]thiophene	184	C12H8S	000234-41-3	93
3	Azuleno(2,1-b)thiophene	184	C12H8S	000248-13-5	90
4	Dibenzothiophene	184	C12H8S	000132-65-0	90
5	Naphtho[2,1-b]thiophene	184	C12H8S	000233-02-3	90





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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
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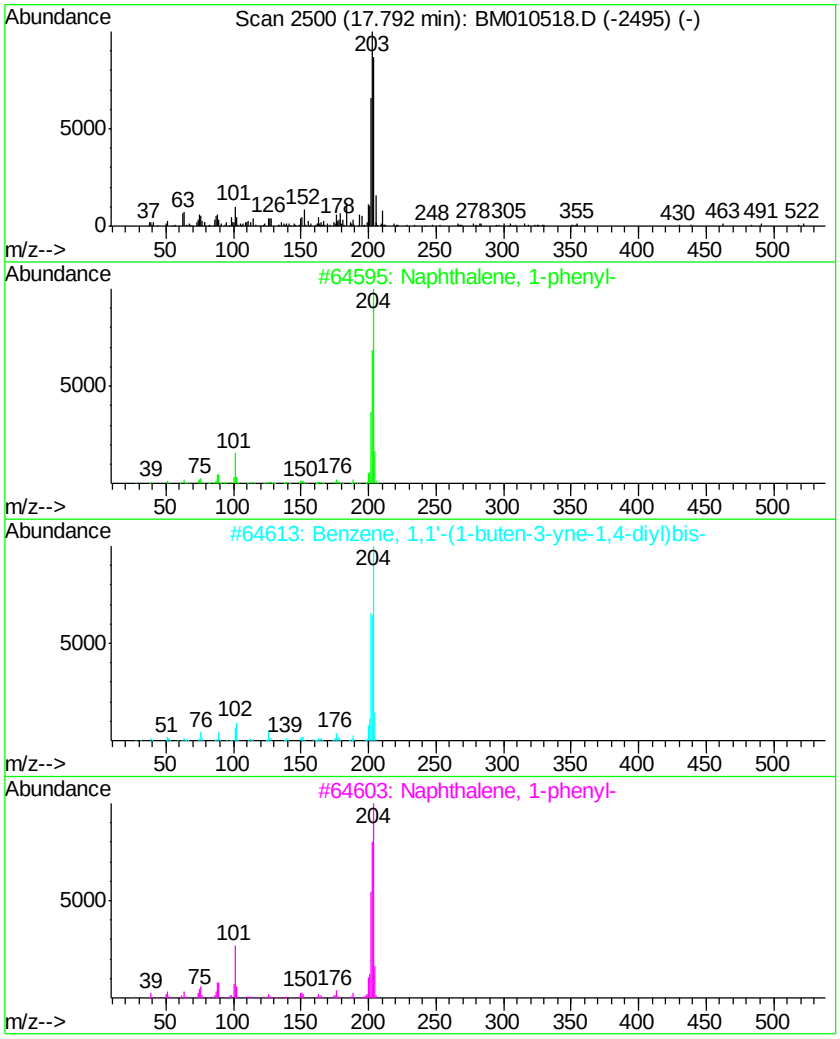
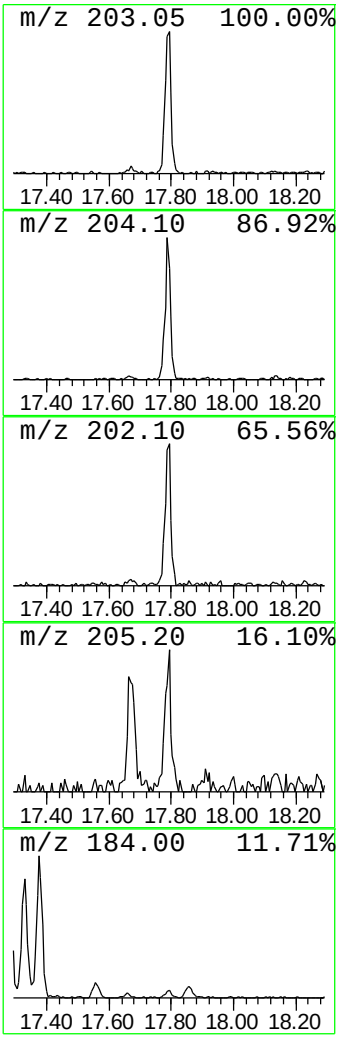
Peak Number 19 Naphthalene, 1-phenyl- Concentration Rank 26

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.79	2.93 ng/ul	419949	Phenanthrene-d10	17.28

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	70
2	Benzene, 1,1'-(1-buten-3-yne-1,4...	204	C16H12	013141-45-2	64
3	Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	58
4	Anthracene, 9-ethenyl-	204	C16H12	002444-68-0	58
5	1,4-Ethenoanthracene, 1,4-dihydro-	204	C16H12	027765-96-4	58





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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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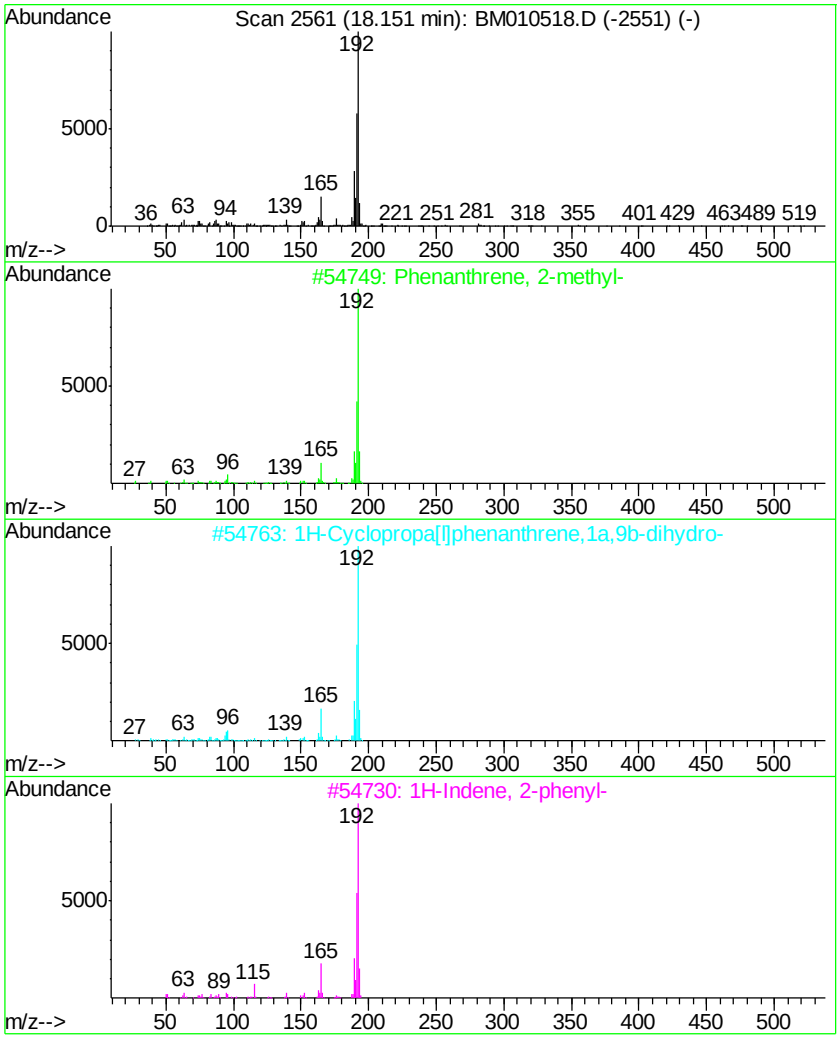
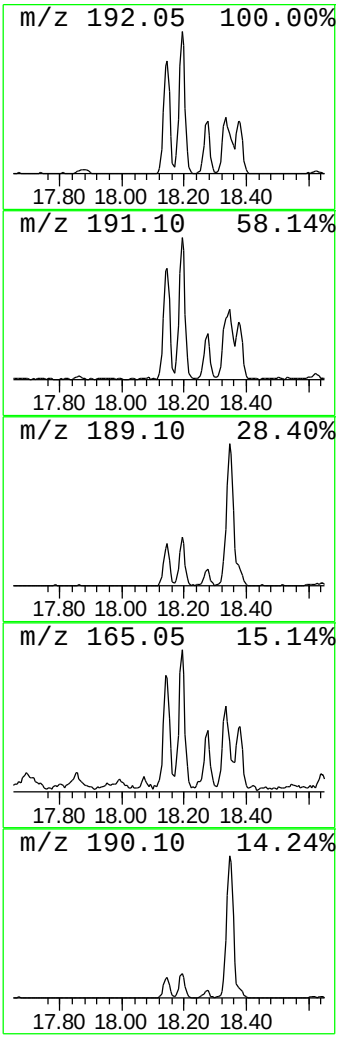
Peak Number 20 Phenanthrene, 2-methyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.15	15.15 ng/ul	2168970	Phenanthrene-d10	17.28

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	93
2	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	91
3	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	91
4	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	91
5	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	91





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Data File : BM010518.D
Acq On : 11 Jun 2017 10:46
Operator : SJ/MA
Sample : I3522-12
Misc :
ALS Vial : 43 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F5C33

Quant Method : Z:\HPCHEM1\BNA_M\Methods\SOM-EPA-BM052717.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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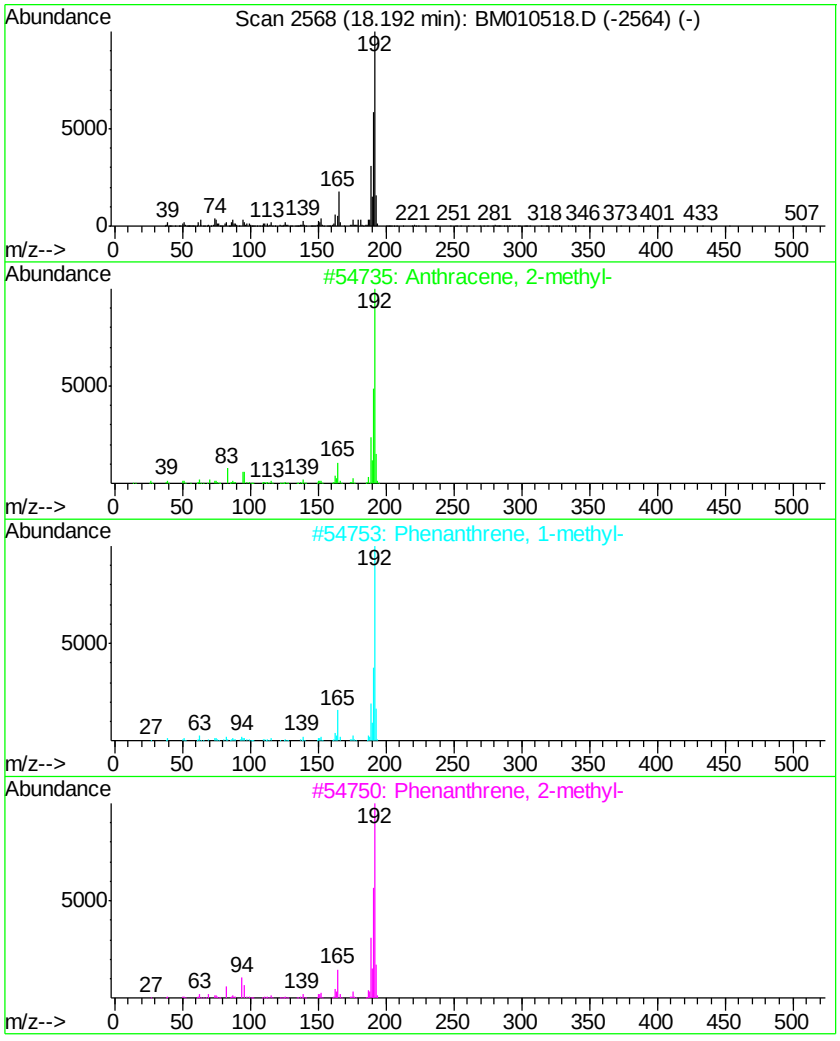
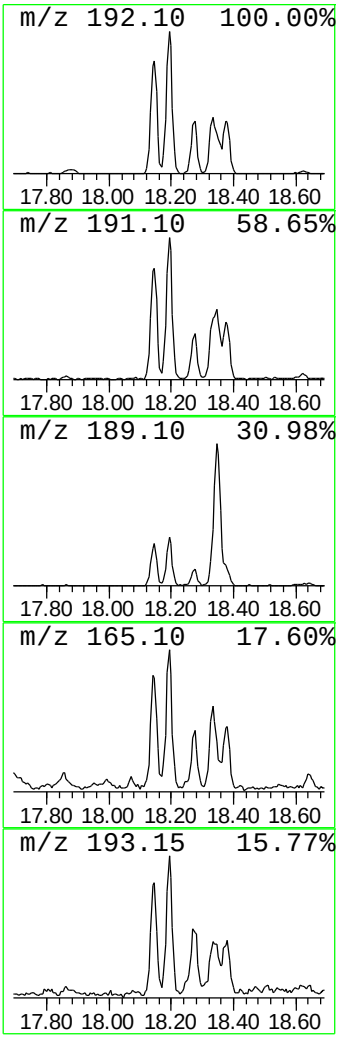
Peak Number 21 Anthracene, 2-methyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.19	14.70 ng/ul	2104850	Phenanthrene-d10	17.28

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 2-methyl-	192	C15H12	000613-12-7	95
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	95
3	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	95
4	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	94
5	Anthracene, 9-methyl-	192	C15H12	000779-02-2	93





Data Path : Z:\HPCHEM1\BNA_M\DATA\BM061017\
Data File : BM010518.D
Acq On : 11 Jun 2017 10:46
Operator : SJ/MA
Sample : I3522-12
Misc :
ALS Vial : 43 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F5C33

Quant Method : Z:\HPCHEM1\BNA_M\Methods\SOM-EPA-BM052717.M
Quant Title : SVOA CALIBRATION

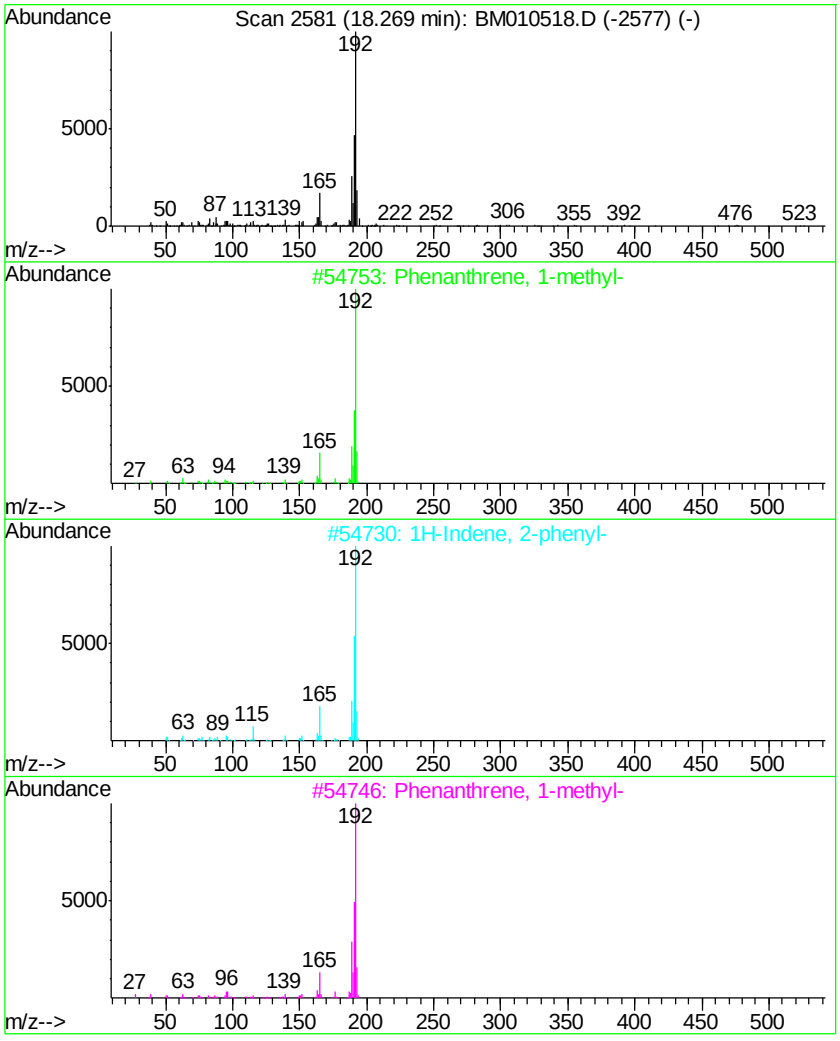
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

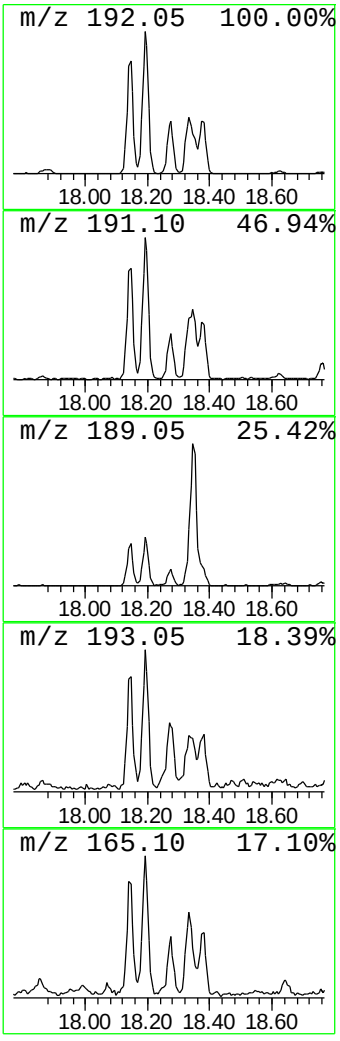
****

Peak Number 22 Phenanthrene, 1-methyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.27	5.62 ng/ul	804867	Phenanthrene-d10	17.28

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
2	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	95
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	94
4	Anthracene, 1-methyl-	192	C15H12	000610-48-0	94
5	Anthracene, 2-methyl-	192	C15H12	000613-12-7	90





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Acq On : 11 Jun 2017 10:46
Operator : SJ/MA
Sample : I3522-12
Misc :
ALS Vial : 43 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F5C33

Quant Method : Z:\HPCHEM1\BNA_M\Methods\SOM-EPA-BM052717.M
Quant Title : SVOA CALIBRATION

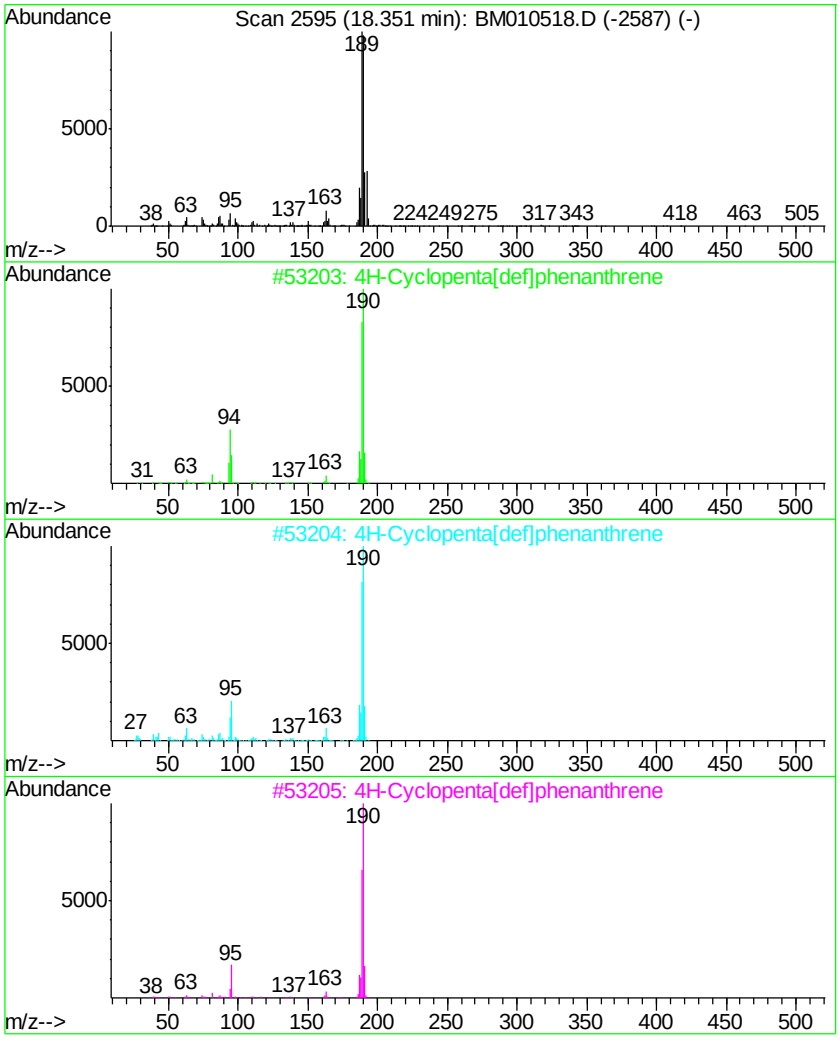
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

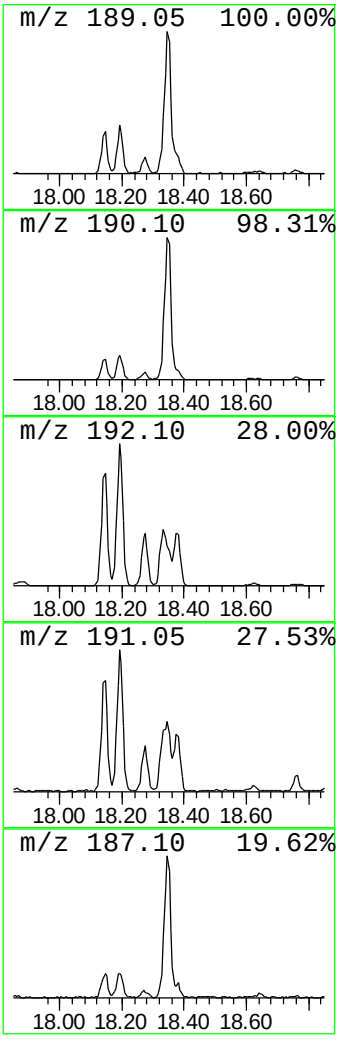
****

Peak Number 23 4H-Cyclopenta[def]phenanthrene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.35	21.57 ng/ul	3089250	Phenanthrene-d10	17.28

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	72
2	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	60
3	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	47
4	2,2'-Bis(4,5-dimethylimidazole)	190	C10H14N4	069286-06-2	33
5	1,4-Naphthalenedione, 2,5-dihydr...	190	C10H6O4	004923-55-1	25





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Acq On : 11 Jun 2017 10:46
Operator : SJ/MA
Sample : I3522-12
Misc :
ALS Vial : 43 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F5C33

Quant Method : Z:\HPCHEM1\BNA_M\Methods\SOM-EPA-BM052717.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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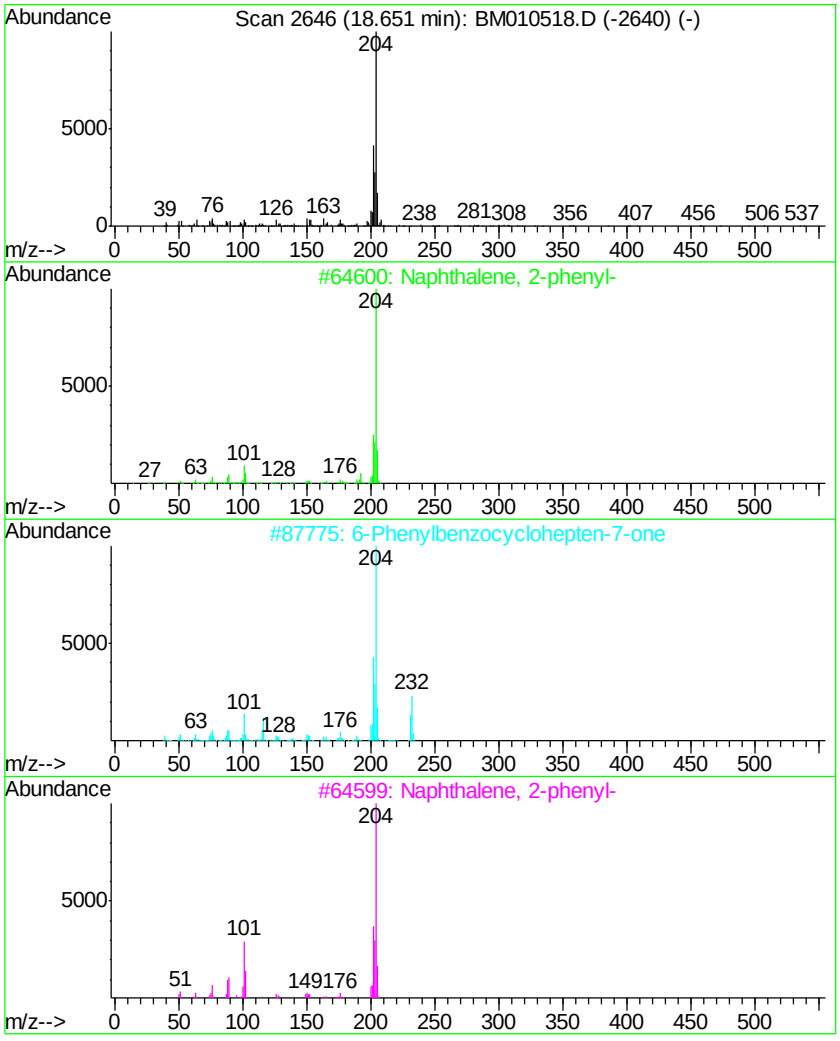
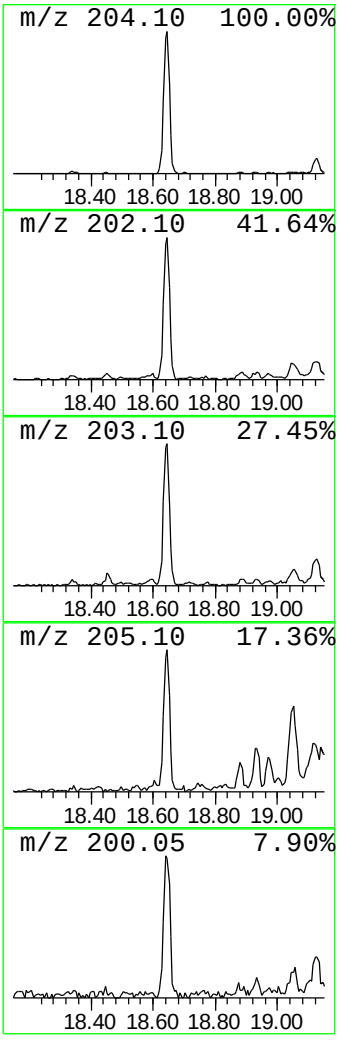
Peak Number 25 Naphthalene, 2-phenyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.65	8.34 ng/ul	1194530	Phenanthrene-d10	17.28

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	64
2	6-Phenylbenzocyclohepten-7-one	232	C17H12O	093327-56-1	64
3	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	62
4	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	62
5	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	58





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Acq On : 11 Jun 2017 10:46
Operator : SJ/MA
Sample : I3522-12
Misc :
ALS Vial : 43 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F5C33

Quant Method : Z:\HPCHEM1\BNA_M\Methods\SOM-EPA-BM052717.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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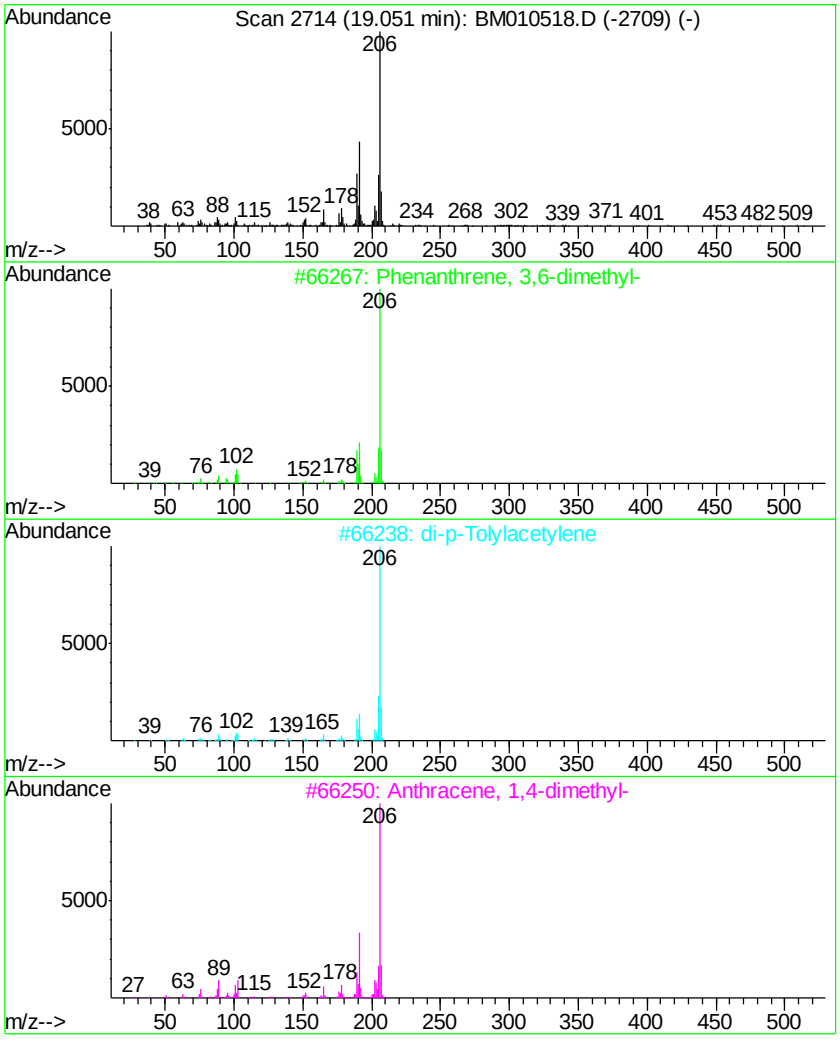
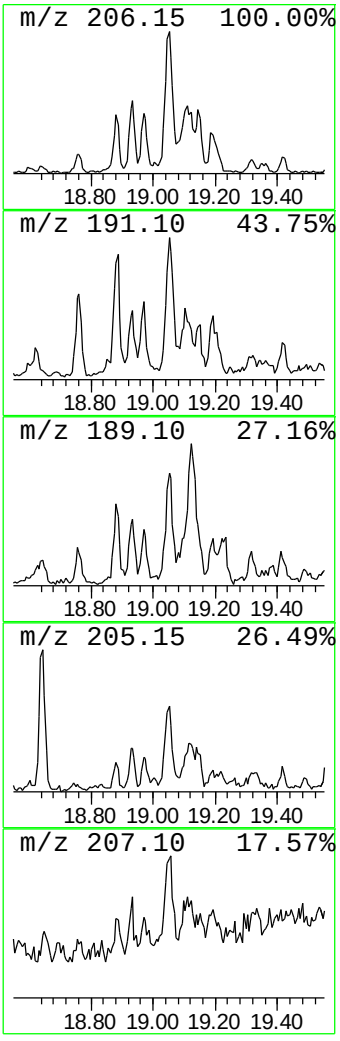
Peak Number 26 Phenanthrene, 3,6-dimethyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.05	4.42 ng/ul	633525	Phenanthrene-d10	17.28

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	93
2	di-p-Tolylacetylene	206	C16H14	002789-88-0	91
3	Anthracene, 1,4-dimethyl-	206	C16H14	000781-92-0	90
4	Naphthalene, 1,2-dihydro-4-phenyl-	206	C16H14	007469-40-1	87
5	Naphthalene, 1,2-dihydro-4-phenyl-	206	C16H14	007469-40-1	87





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Acq On : 11 Jun 2017 10:46
Operator : SJ/MA
Sample : I3522-12
Misc :
ALS Vial : 43 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F5C33

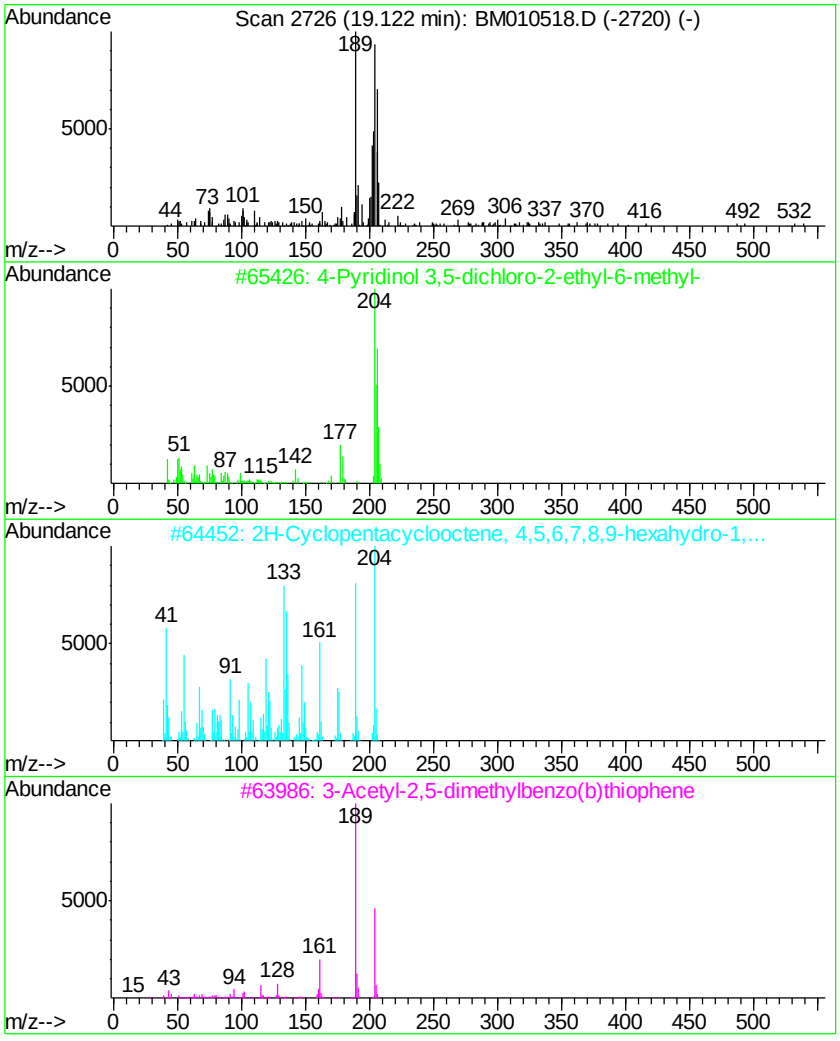
Quant Method : Z:\HPCHEM1\BNA_M\Methods\SOM-EPA-BM052717.M
Quant Title : SVOA CALIBRATION

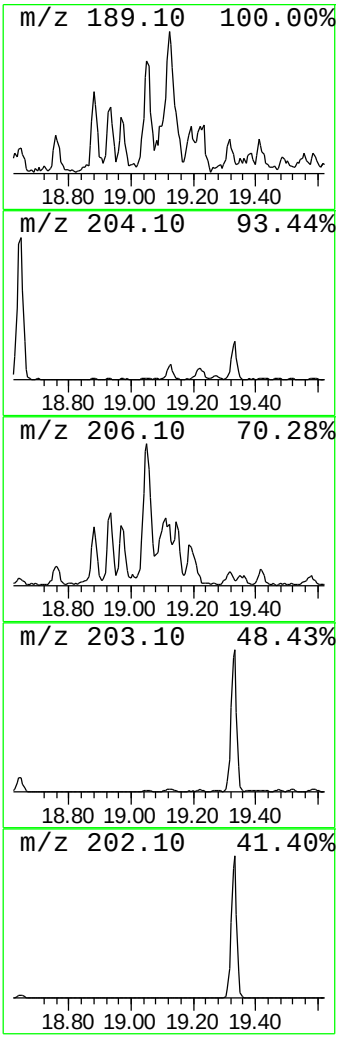
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 27 4-Pyridinol 3,5-dichloro-2-... Concentration Rank 30

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.12	2.62 ng/ul	375075	Phenanthrene-d10	17.28

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4-Pyridinol 3,5-dichloro-2-ethyl...	205	C8H9Cl2NO	1000253-55-0	50
2	2H-Cyclopentacyclooctene, 4,5,6,...	204	C15H24	1000221-85-8	46
3	3-Acetyl-2,5-dimethylbenzo(b)thi...	204	C12H12OS	006179-04-0	35
4	[1,1'-Biphenyl]-4-ol, 4'-chloro-	204	C12H9ClO	028034-99-3	27
5	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	27





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Acq On : 11 Jun 2017 10:46
Operator : SJ/MA
Sample : I3522-12
Misc :
ALS Vial : 43 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F5C33

Quant Method : Z:\HPCHEM1\BNA_M\Methods\SOM-EPA-BM052717.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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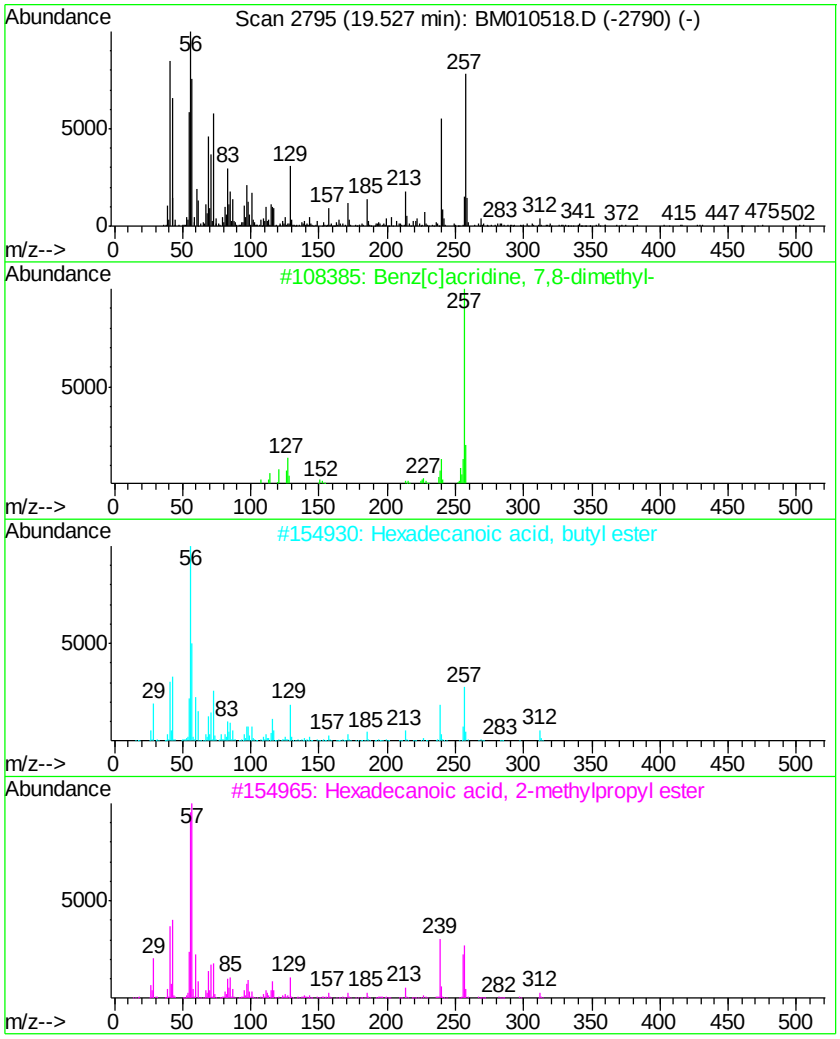
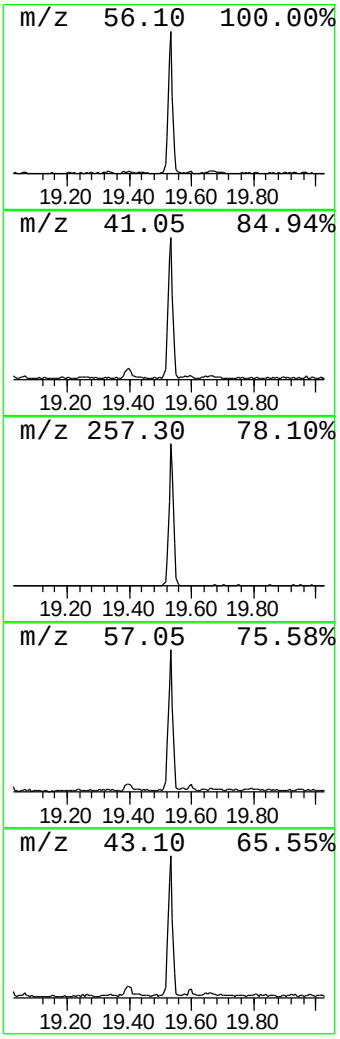
Peak Number 28 unknown-01 Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.53	4.35 ng/ul	1934820	Chrysene-d12	21.44

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benz[c]acridine, 7,8-dimethyl-	257	C19H15N	003518-01-2	38
2	Hexadecanoic acid, butyl ester	312	C20H40O2	000111-06-8	38
3	Hexadecanoic acid, 2-methylpropy...	312	C20H40O2	000110-34-9	30
4	Hexadecanoic acid, butyl ester	312	C20H40O2	000111-06-8	25
5	4-Phenoxyphenylamine, N-ethoxyca...	257	C15H15NO3	1000343-97-5	22





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Acq On : 11 Jun 2017 10:46
Operator : SJ/MA
Sample : I3522-12
Misc :
ALS Vial : 43 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F5C33

Quant Method : Z:\HPCHEM1\BNA_M\Methods\SOM-EPA-BM052717.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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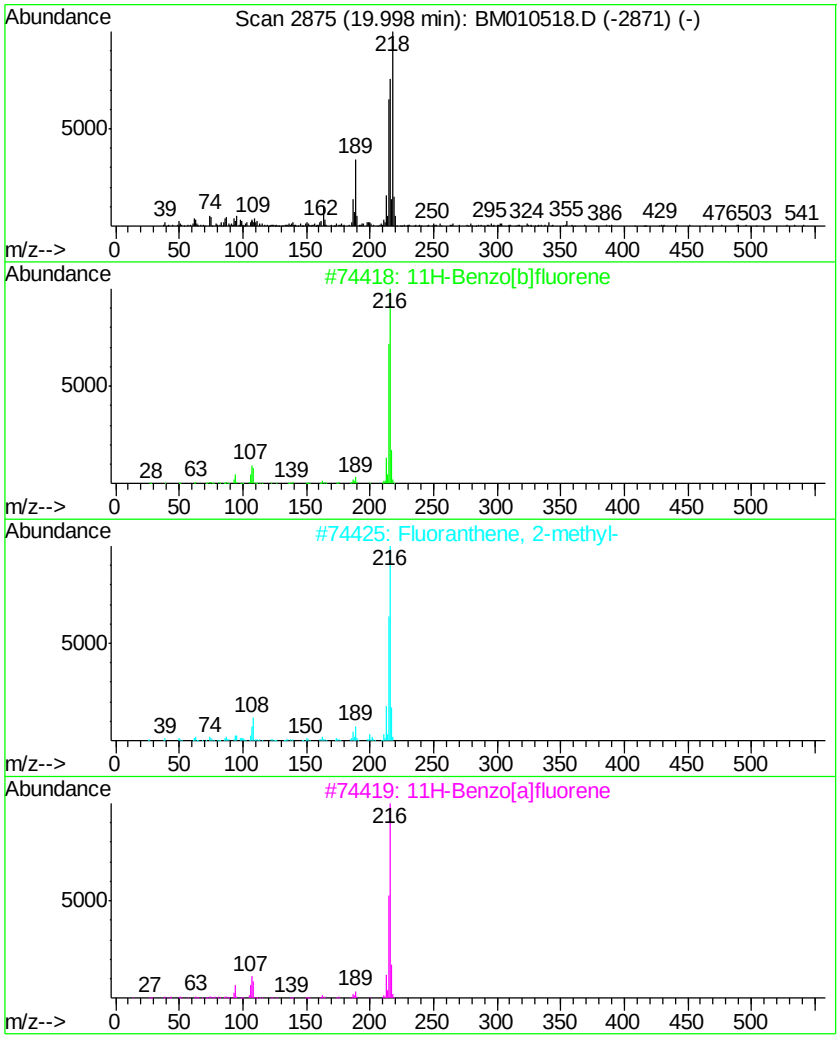
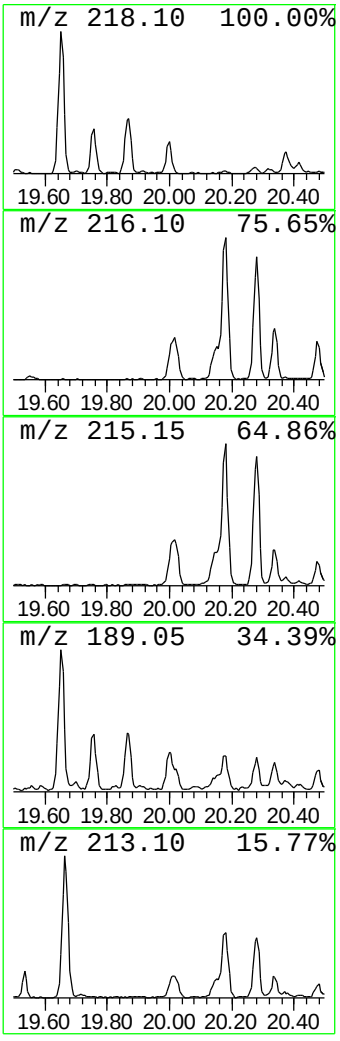
Peak Number 29 11H-Benzo[b]fluorene Concentration Rank 29

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.00	2.73 ng/ul	1213780	Chrysene-d12	21.44

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	89
2	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	86
3	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	76
4	Pyrene, 1-methyl-	216	C17H12	002381-21-7	76
5	Pyrene, 1-methyl-	216	C17H12	002381-21-7	70





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM061017\
Data File : BM010518.D
Acq On : 11 Jun 2017 10:46
Operator : SJ/MA
Sample : I3522-12
Misc :
ALS Vial : 43 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F5C33

Quant Method : Z:\HPCHEM1\BNA_M\Methods\SOM-EPA-BM052717.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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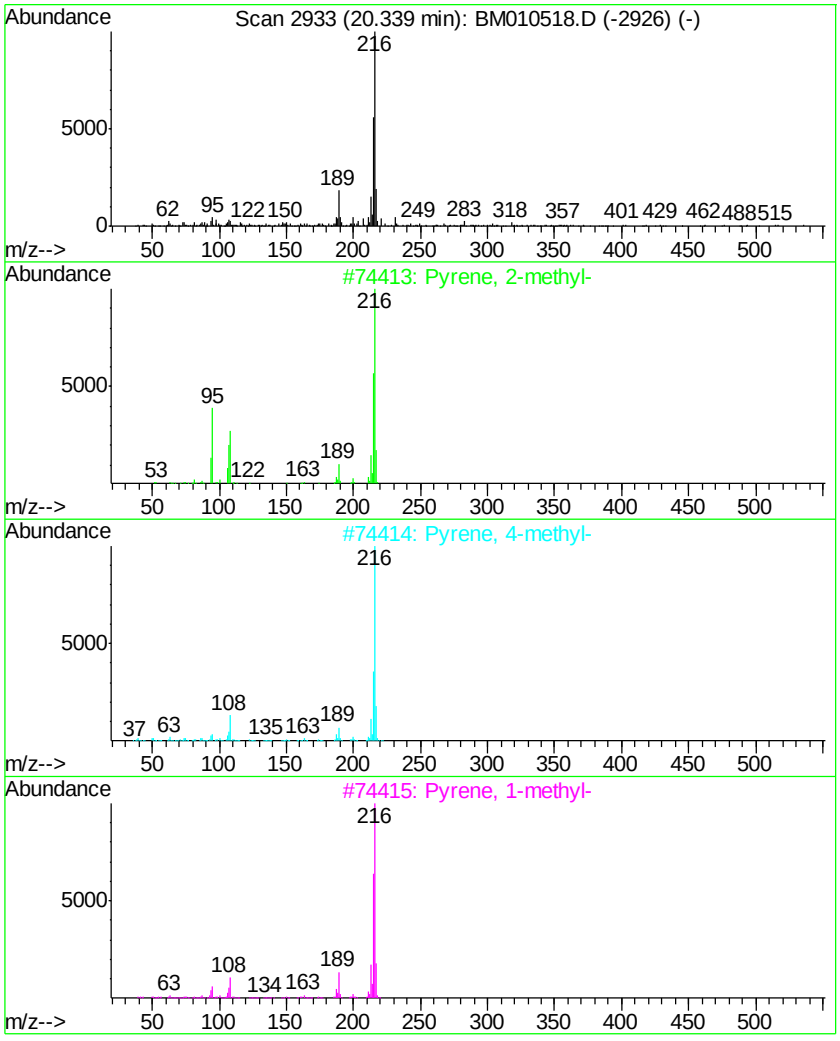
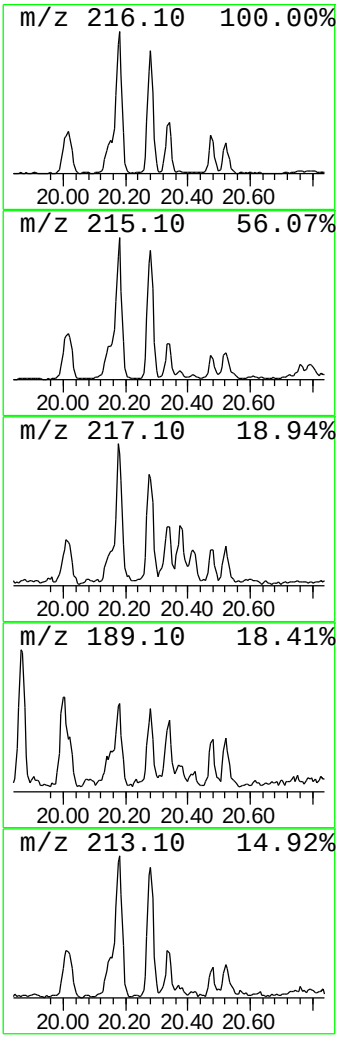
Peak Number 32 Pyrene, 2-methyl- Concentration Rank 35

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.34	2.04 ng/ul	905963	Chrysene-d12	21.44

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 2-methyl-	216	C17H12	003442-78-2	93
2	Pyrene, 4-methyl-	216	C17H12	003353-12-6	93
3	Pyrene, 1-methyl-	216	C17H12	002381-21-7	91
4	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	90
5	Pyrene, 1-methyl-	216	C17H12	002381-21-7	90





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Acq On : 11 Jun 2017 10:46
Operator : SJ/MA
Sample : I3522-12
Misc :
ALS Vial : 43 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F5C33

Quant Method : Z:\HPCHEM1\BNA_M\Methods\SOM-EPA-BM052717.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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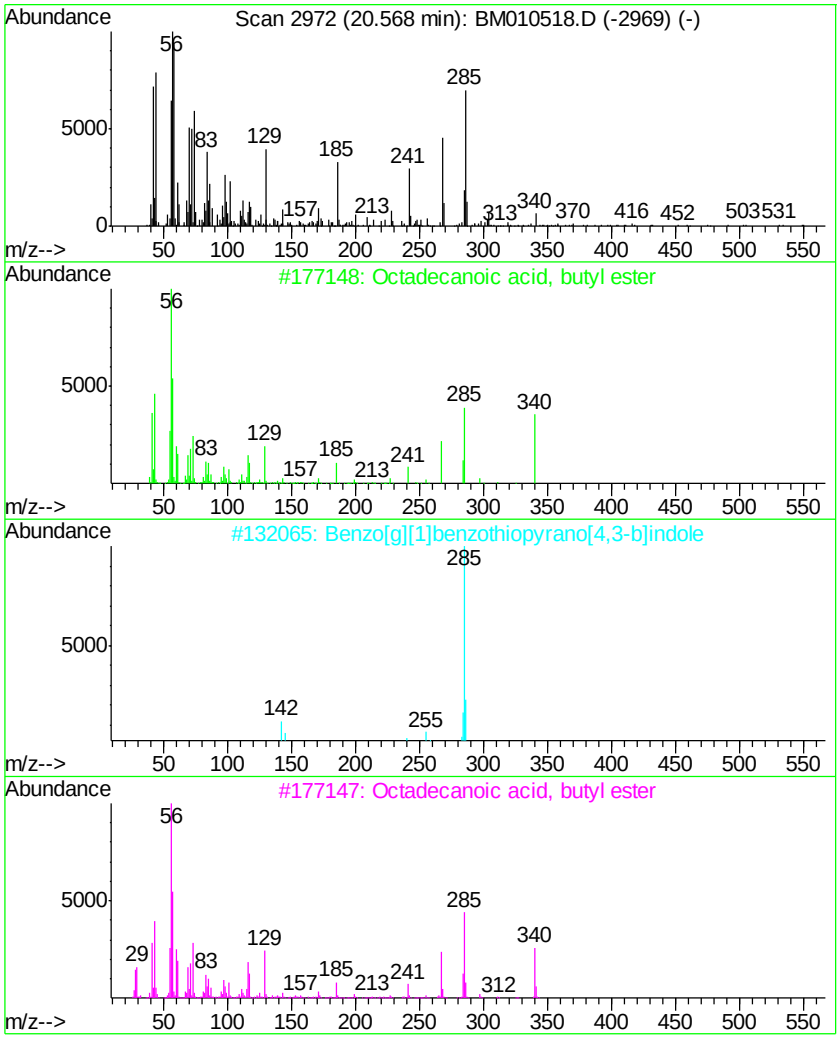
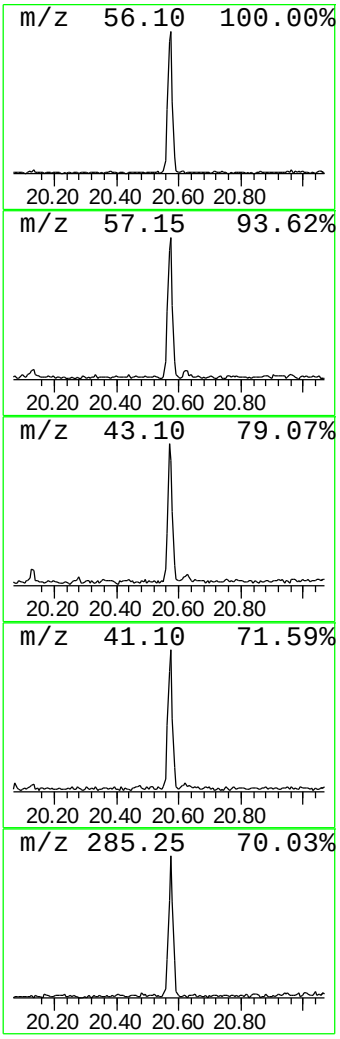
Peak Number 33 Octadecanoic acid, butyl ester Concentration Rank 31

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.57	2.24 ng/ul	996886	Chrysene-d12	21.44

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octadecanoic acid, butyl ester	340	C22H44O2	000123-95-5	59
2	Benzo[g][1]benzothiopyrano[4,3-b...	285	C19H11NS	010023-23-1	43
3	Octadecanoic acid, butyl ester	340	C22H44O2	000123-95-5	40
4	Octadecanoic acid, 2-methylpropy...	340	C22H44O2	000646-13-9	38
5	4-(Acridin-9-yl)-1,2-benzenediamine	285	C19H15N3	1000326-84-8	30





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ALS Vial : 43 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F5C33

Quant Method : Z:\HPCHEM1\BNA_M\Methods\SOM-EPA-BM052717.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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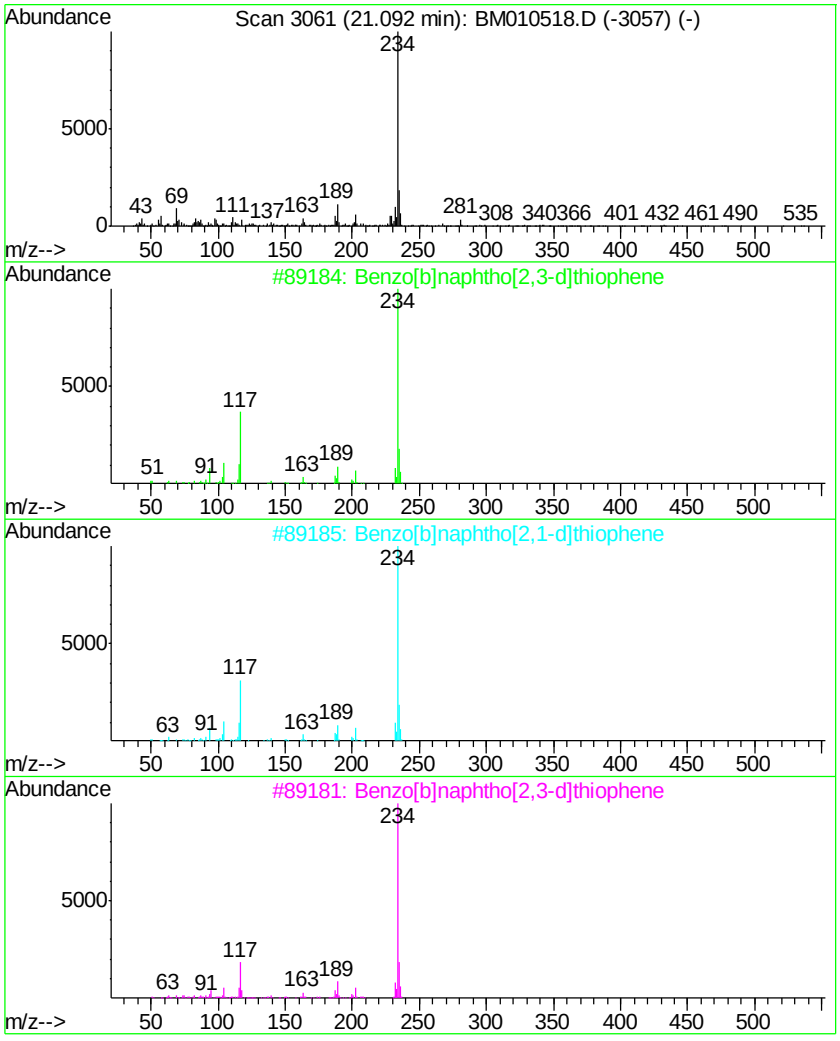
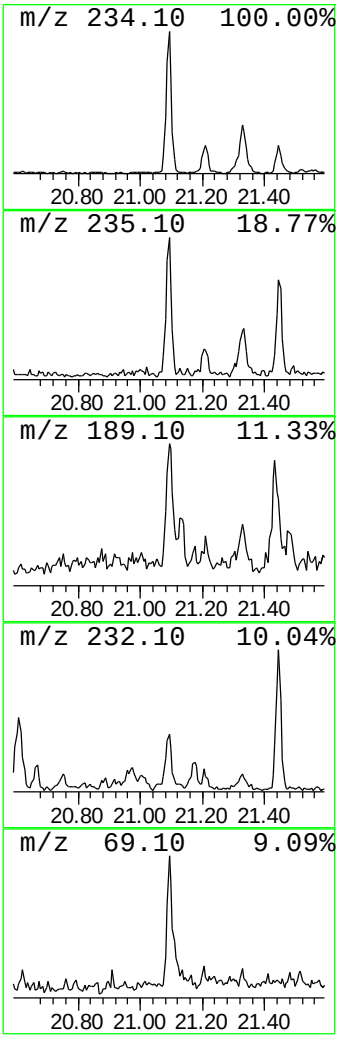
Peak Number 34 Benzo[b]naphtho[2,3-d]thiop... Concentration Rank 33

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.09	2.11 ng/ul	937985	Chrysene-d12	21.44

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[b]naphtho[2,3-d]thiophene	234	C16H10S	000243-46-9	93
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	93
4	Anthra(1,2-b)thiophene	234	C16H10S	000227-86-1	91
5	Benzo[b]naphtho[2,1-d]thiophene	234	C16H10S	000239-35-0	90





Tentatively Identified Compound (LSC) summary

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Data File : BM010518.D
Acq On : 11 Jun 2017 10:46
Operator : SJ/MA
Sample : I3522-12
Misc :
ALS Vial : 43 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F5C33

Quant Method : Z:\HPCHEM1\BNA_M\Methods\SOM-EPA-BM052717.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
Naphthalene, 2,7-...	13.67	2.7	ng/ul	268481	3	14.53	1964280	20.0
Naphthalene, 1,6-...	13.89	3.6	ng/ul	352265	3	14.53	1964280	20.0
Naphthalene, 1,3-...	14.07	3.6	ng/ul	358781	3	14.53	1964280	20.0
Naphthalene, 1,6,...	14.99	3.4	ng/ul	328628	3	14.53	1964280	20.0
Naphthalene, 2,3,...	15.30	3.5	ng/ul	348005	3	14.53	1964280	20.0
Benzeneethanol, ...	15.73	4.3	ng/ul	423684	3	14.53	1964280	20.0
1,1'-Biphenyl, 2-...	15.82	2.9	ng/ul	286684	3	14.53	1964280	20.0
9H-Fluoren-9-ol	15.86	11.0	ng/ul	1078310	3	14.53	1964280	20.0
Dibenzofuran, 4-m...	16.01	10.4	ng/ul	1493410	4	17.28	2863960	20.0
Naphthalene, 1,2,...	16.21	2.2	ng/ul	309407	4	17.28	2863960	20.0
9H-Fluorene, 1-me...	16.57	8.4	ng/ul	1200140	4	17.28	2863960	20.0
9H-Fluorene, 2-me...	16.62	2.0	ng/ul	294238	4	17.28	2863960	20.0
Naphtho[2,1-b]fur...	16.79	3.4	ng/ul	488827	4	17.28	2863960	20.0
2,4,6-Trimethoxyb...	16.99	5.2	ng/ul	736960	4	17.28	2863960	20.0
Dibenzothiophene	17.10	10.9	ng/ul	1560970	4	17.28	2863960	20.0
Naphthalene, 1-ph...	17.79	2.9	ng/ul	419949	4	17.28	2863960	20.0
Phenanthrene, 2-m...	18.15	15.2	ng/ul	2168970	4	17.28	2863960	20.0
Anthracene, 2-met...	18.19	14.7	ng/ul	2104850	4	17.28	2863960	20.0
Phenanthrene, 1-m...	18.27	5.6	ng/ul	804867	4	17.28	2863960	20.0
4H-Cyclopenta[def...	18.35	21.6	ng/ul	3089250	4	17.28	2863960	20.0
Naphthalene, 2-ph...	18.65	8.3	ng/ul	1194530	4	17.28	2863960	20.0
Phenanthrene, 3,6...	19.05	4.4	ng/ul	633525	4	17.28	2863960	20.0
4-Pyridinol 3,5-d...	19.12	2.6	ng/ul	375075	4	17.28	2863960	20.0
unknown-01	19.53	4.3	ng/ul	1934820	5	21.44	8886530	20.0
11H-Benzo[b]fluorene	20.00	2.7	ng/ul	1213780	5	21.44	8886530	20.0
Pyrene, 2-methyl-	20.34	2.0	ng/ul	905963	5	21.44	8886530	20.0
Octadecanoic acid...	20.57	2.2	ng/ul	996886	5	21.44	8886530	20.0
Benzo[b]naphtho[2...	21.09	2.1	ng/ul	937985	5	21.44	8886530	20.0