LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM110517\
Data File : BM012760.D
Acq On : 06 Nov 2017 03:59
Operator : SJ/JU
Sample : I5825-11
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : DUP-5

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-BM110417MA.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	3.810	118	123	131	rVV	262645	343177	7.58%	0.606%
2	4.028	154	160	173	rVB	309516	465317	10.28%	0.822%
3	4.575	245	253	260	rVB3	29400	53208	1.18%	0.094%
4	4.946	308	316	325	rBV2	81423	128298	2.83%	0.227%
5	5.028	325	330	338	rBV	69610	103402	2.28%	0.183%
6	5.463	400	404	413	rBV	38117	71086	1.57%	0.126%
7	5.834	460	467	472	rBV2	35019	57247	1.26%	0.101%
8	6.987	654	663	678	rVB2	456552	900314	19.89%	1.591%
9	7.145	684	690	696	rBV	393772	567575	12.54%	1.003%
10	7.351	718	725	733	rVB	495938	806876	17.83%	1.425%
11	7.434	733	739	742	rBV	37815	56373	1.25%	0.100%
12	7.810	794	803	810	rBV	491931	798038	17.63%	1.410%
13	8.351	883	895	900	rBV3	24882	53768	1.19%	0.095%
14	8.522	918	924	931	rBV	435605	712811	15.75%	1.259%
15	8.969	994	1000	1007	rBV	503527	815937	18.03%	1.441%
16	9.034	1007	1011	1016	rVB	42284	60263	1.33%	0.106%
17	9.686	1115	1122	1135	rVB	392345	674484	14.90%	1.192%
18	10.228	1208	1214	1223	rVB	642717	1096710	24.23%	1.938%
19	10.604	1268	1278	1284	rBV	699386	1204163	26.60%	2.127%
20	10.745	1294	1302	1313	rBV	131279	276608	6.11%	0.489%
21	11.922	1497	1502	1509	rVB	55421	90632	2.00%	0.160%
22	12.263	1552	1560	1566	rVB	27541	50881	1.12%	0.090%
23	13.274	1727	1732	1738	rBV3	40487	57069	1.26%	0.101%
24	13.769	1811	1816	1821	rBV	41607	69675	1.54%	0.123%
25	13.857	1821	1831	1835	rVV	1247325	1784579	39.43%	3.153%
26	13.904	1835	1839	1847	rVB	784530	1100617	24.32%	1.944%
27	14.145	1873	1880	1894	rBV2	1485158	2563375	56.64%	4.529%
28	14.351	1910	1915	1922	rBV	66498	92528	2.04%	0.163%
29	14.451	1922	1932	1938	rBV2	1145387	1744421	38.54%	3.082%
30	14.516	1938	1943	1951	rVB	116361	193479	4.27%	0.342%
31	14.668	1963	1969	1977	rBV	217593	364708	8.06%	0.644%
32	14.810	1989	1993	1996	rBV2	54707	83884	1.85%	0.148%
33	14.851	1996	2000	2008	rVV	93800	161739	3.57%	0.286%
34	15.074	2032	2038	2041	rBV4	25999	50968	1.13%	0.090%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM110517\
Data File : BM012760.D
Acq On : 06 Nov 2017 03:59
Operator : SJ/JU
Sample : I5825-11
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : DUP-5

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-BM110417MA.M
Title : SVOA CALIBRATION

35	15.121	2043	2046	2050	rVB	38754	45527	1.01%	0.080%
36	15.268	2068	2071	2074	rBV	88353	95079	2.10%	0.168%
37	15.304	2074	2077	2084	rVB2	72080	103951	2.30%	0.184%
38	15.445	2094	2101	2106	rBV	1985134	2803489	61.94%	4.953%
39	15.498	2106	2110	2120	rVB	154424	245132	5.42%	0.433%
40	15.580	2120	2124	2128	rBV	84593	117075	2.59%	0.207%
41	15.710	2135	2146	2150	rBV4	67987	197027	4.35%	0.348%
42	15.810	2157	2163	2168	rVB2	360347	525448	11.61%	0.928%
43	15.939	2183	2185	2193	rVB2	48392	81350	1.80%	0.144%
44	16.163	2218	2223	2225	rBV2	138081	209738	4.63%	0.371%
45	16.504	2278	2281	2285	rVB3	39616	56384	1.25%	0.100%
46	16.851	2336	2340	2346	rBV2	85419	140723	3.11%	0.249%
47	16.951	2355	2357	2361	rVB	88017	91995	2.03%	0.163%
48	17.009	2363	2367	2376	rVB2	162340	291446	6.44%	0.515%
49	17.198	2393	2399	2402	rBV	1307604	1830545	40.44%	3.234%
50	17.239	2402	2406	2411	rVV	1597923	2127759	47.01%	3.759%
51	17.298	2411	2416	2419	rVV2	1854111	2755276	60.87%	4.868%
52	17.327	2419	2421	2426	rVB	506603	612761	13.54%	1.083%
53	17.598	2464	2467	2477	rVB	136252	212277	4.69%	0.375%
54	17.692	2480	2483	2485	rBV2	76455	85778	1.90%	0.152%
55	17.780	2494	2498	2506	rVB3	82165	158220	3.50%	0.280%
56	18.027	2537	2540	2543	rBV3	73373	105798	2.34%	0.187%
57	18.092	2544	2551	2553	rVV2	469615	869466	19.21%	1.536%
58	18.115	2553	2555	2559	rVV	355699	437605	9.67%	0.773%
59	18.156	2559	2562	2566	rVB	250861	280403	6.20%	0.495%
60	18.198	2566	2569	2574	rVB	126105	163712	3.62%	0.289%
61	18.268	2575	2581	2585	rBV2	389885	716847	15.84%	1.266%
62	18.386	2598	2601	2604	rVB3	100588	112263	2.48%	0.198%
63	18.568	2629	2632	2637	rBV	202464	262630	5.80%	0.464%
64	18.615	2637	2640	2645	rVB2	146840	202994	4.48%	0.359%
65	18.868	2680	2683	2687	rBV2	172090	246863	5.45%	0.436%
66	18.992	2700	2704	2707	rBV	199684	319214	7.05%	0.564%
67	19.133	2725	2728	2733	rVB2	146547	209201	4.62%	0.370%
68	19.256	2744	2749	2755	rVB	3382606	4400260	97.22%	7.774%
69	19.368	2765	2768	2771	rBV	195232	220991	4.88%	0.390%
70	19.592	2801	2806	2808	rBV2	2287234	3339120	73.77%	5.899%
71	19.621	2808	2811	2818	rVB	2621675	3432296	75.83%	6.064%

LSC Area Percent Report

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Data File : BM012760.D
Acq On : 06 Nov 2017 03:59
Operator : SJ/JU
Sample : I5825-11
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : DUP-5

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-BM110417MA.M
Title : SVOA CALIBRATION

72	20.109	2891	2894	2900	rVB2	489164	714641	15.79%	1.263%
73	21.368	3103	3108	3113	rBV3	2214206	4526128	100.00%	7.996%
74	21.415	3113	3116	3126	rVB	1634193	2087803	46.13%	3.688%
75	22.986	3379	3383	3388	rBV	955163	1735572	38.35%	3.066%
76	23.533	3472	3476	3479	rBV2	1157639	1779075	39.31%	3.143%

Sum of corrected areas: 56604072

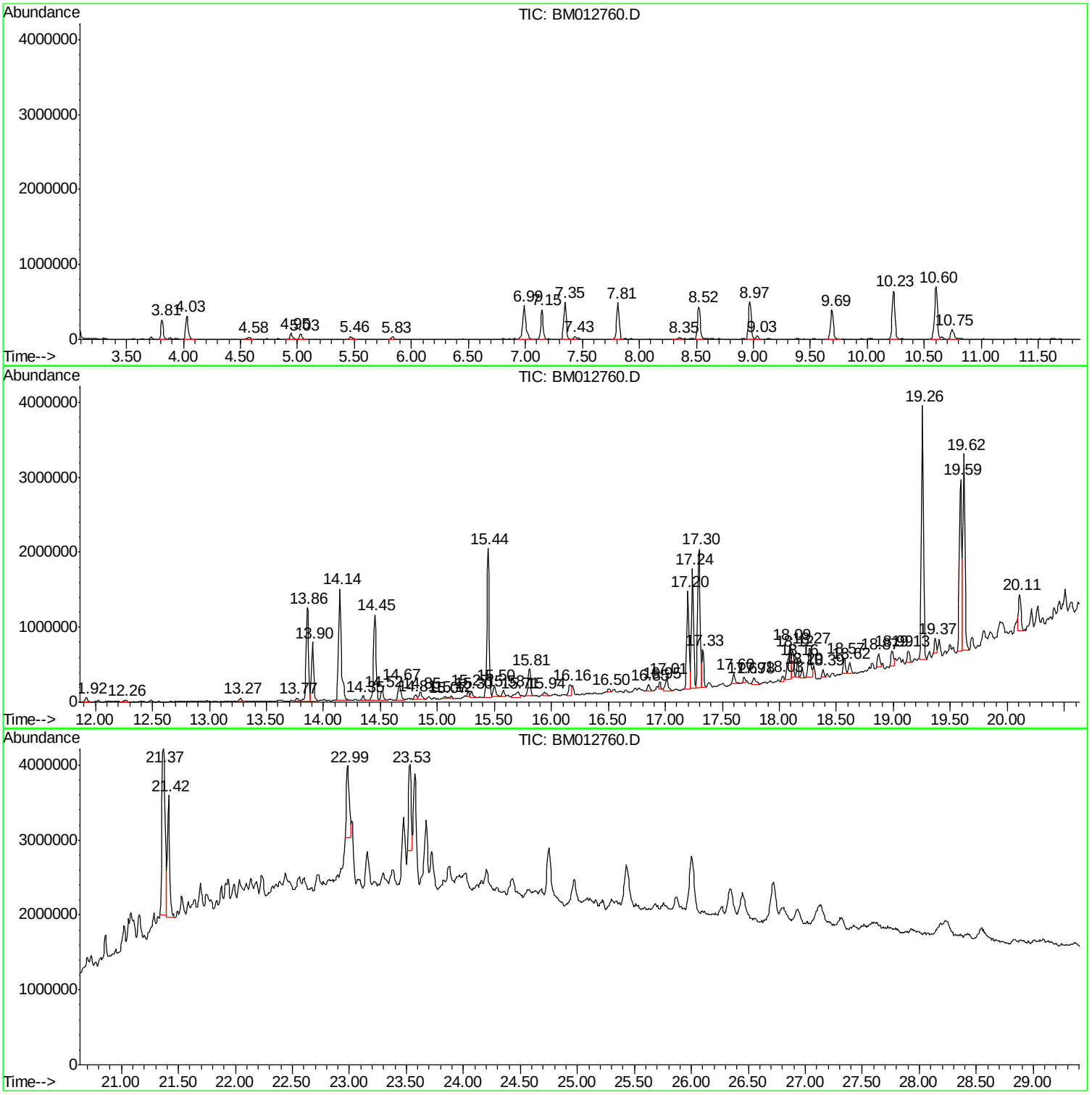
LSC Report - Integrated Chromatogram

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM110517\
Data File : BM012760.D
Acq On : 06 Nov 2017 03:59
Operator : SJ/JU
Sample : I5825-11
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : DUP-5

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM110417MA.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\BM110517\
Data File : BM012760.D
Acq On : 06 Nov 2017 03:59
Operator : SJ/JU
Sample : I5825-11
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : DUP-5

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM110417MA.M
Quant Title : SVOA CALIBRATION

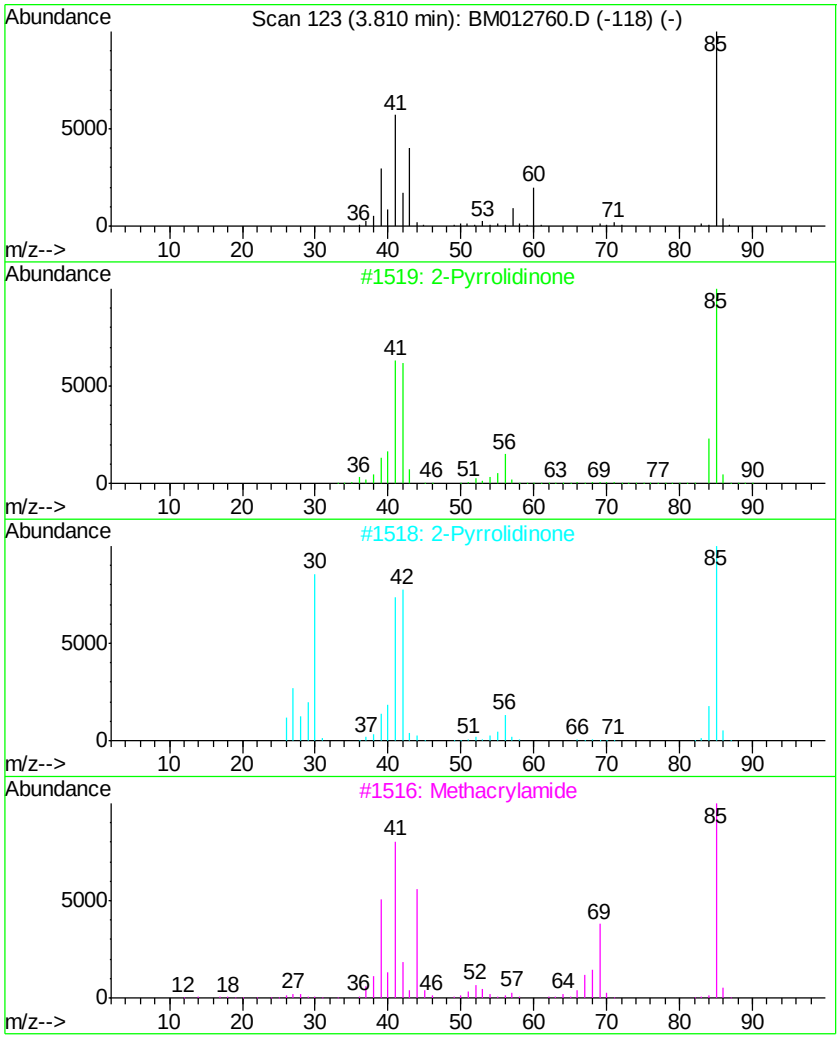
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

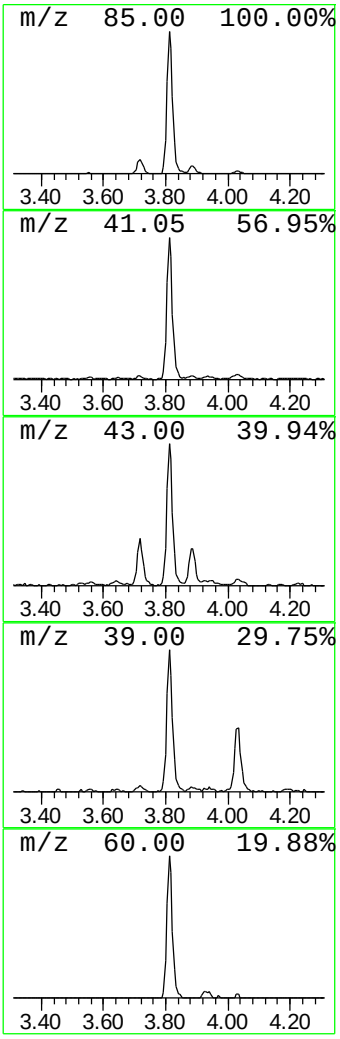
****

Peak Number 1 2-Pyrrolidinone Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.81	8.60 ng/ul	343177	1,4-Dichlorobenzene-d4	7.81

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	Methacrylamide	85	C4H7NO	000079-39-0	33
4	2-Pyrrolidinone	85	C4H7NO	000616-45-5	9
5	Methacrylamide	85	C4H7NO	000079-39-0	9





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM110517\
Data File : BM012760.D
Acq On : 06 Nov 2017 03:59
Operator : SJ/JU
Sample : I5825-11
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : DUP-5

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM110417MA.M
Quant Title : SVOA CALIBRATION

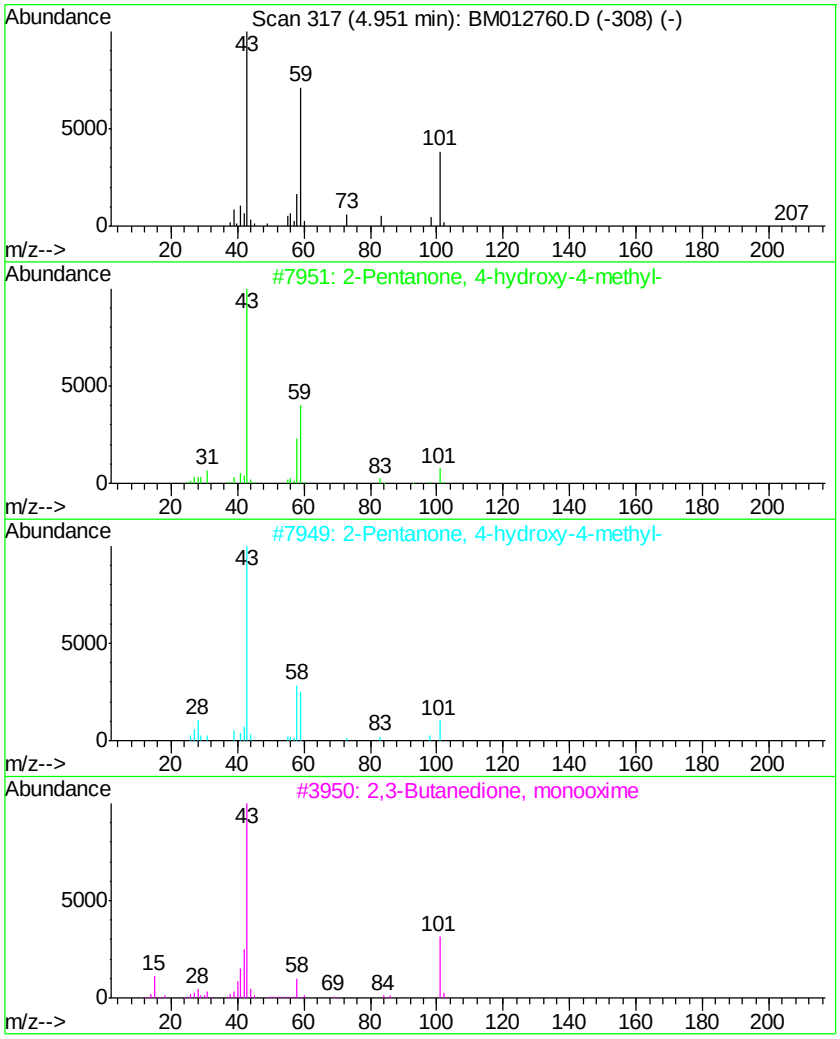
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

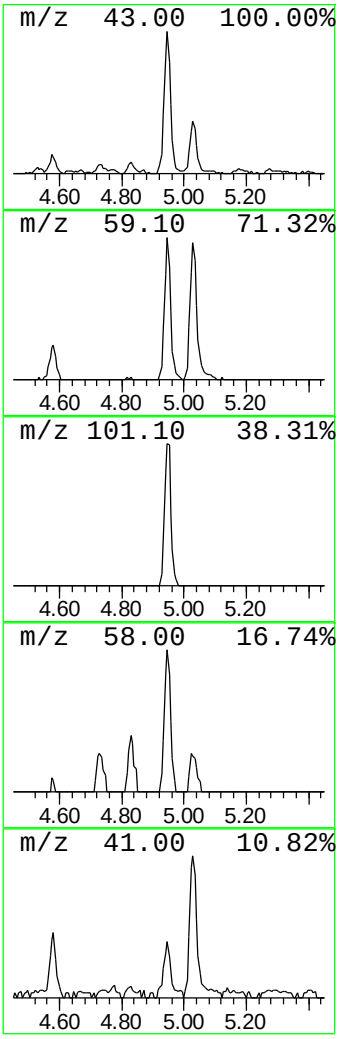
****

Peak Number 3 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.95	3.22 ng/ul	128298	1,4-Dichlorobenzene-d4	7.81

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	59
2	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	38
3	2,3-Butanedione, monooxime	101	C4H7NO2	000057-71-6	25
4	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	23
5	Butane, 1-ethoxy-	102	C6H14O	000628-81-9	17





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM110517\
Data File : BM012760.D
Acq On : 06 Nov 2017 03:59
Operator : SJ/JU
Sample : I5825-11
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : DUP-5

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM110417MA.M
Quant Title : SVOA CALIBRATION

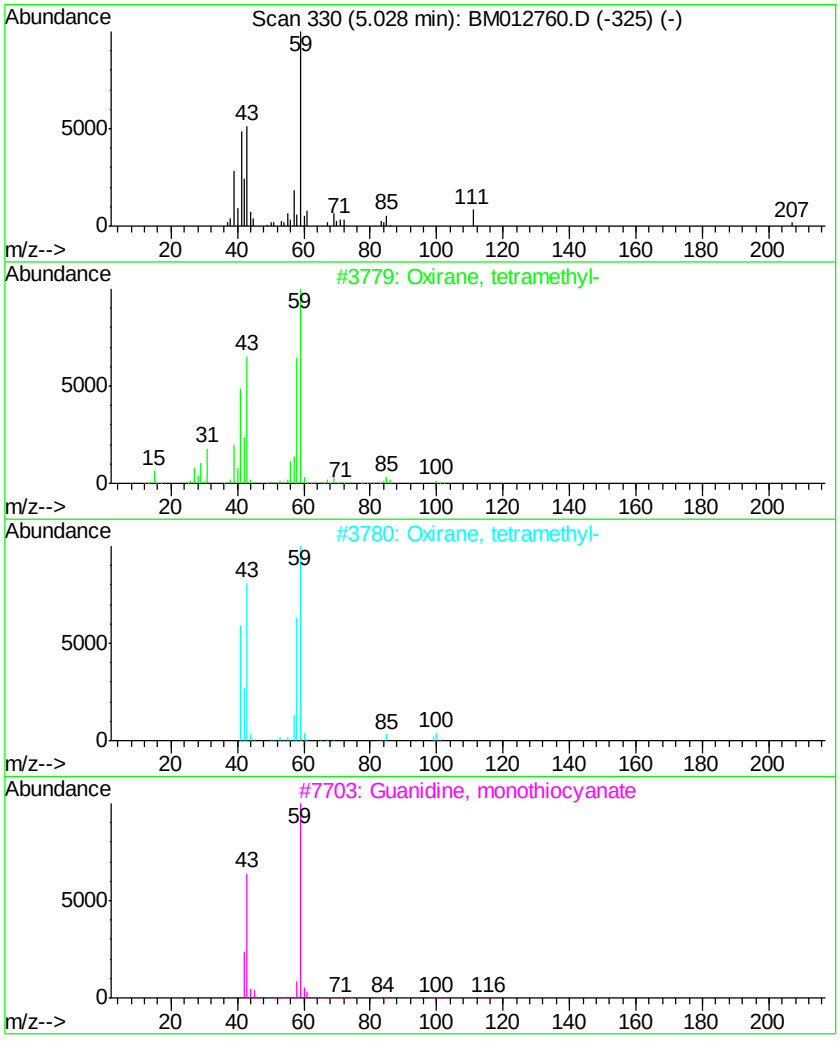
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

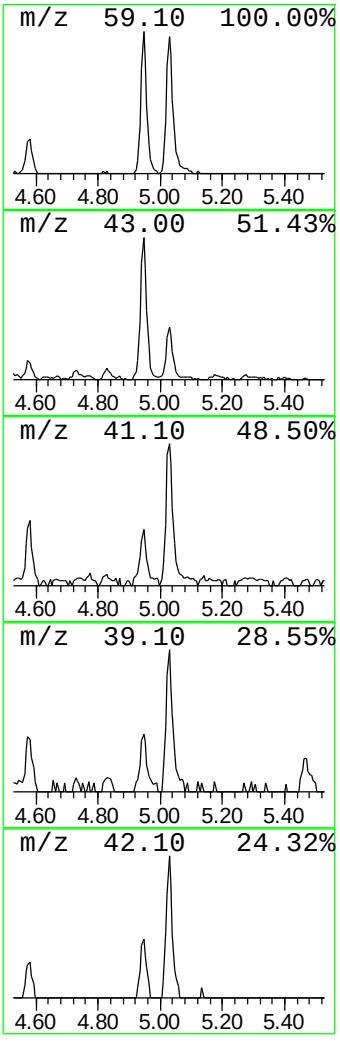
****

Peak Number 4 Oxirane, tetramethyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.03	2.59 ng/ul	103402	1,4-Dichlorobenzene-d4	7.81

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Oxirane, tetramethyl-	100	C6H12O	005076-20-0	64
2	Oxirane, tetramethyl-	100	C6H12O	005076-20-0	64
3	Guanidine, monothiocyanate	116	C2H4N4S	056960-89-5	59
4	4-O-Acetyl-2,5-di-O-methyl-3,6-d...	215	C10H17NO4	1000101-80-3	53
5	Oxirane, tetramethyl-	100	C6H12O	005076-20-0	50





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM110517\
Data File : BM012760.D
Acq On : 06 Nov 2017 03:59
Operator : SJ/JU
Sample : I5825-11
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : DUP-5

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM110417MA.M
Quant Title : SVOA CALIBRATION

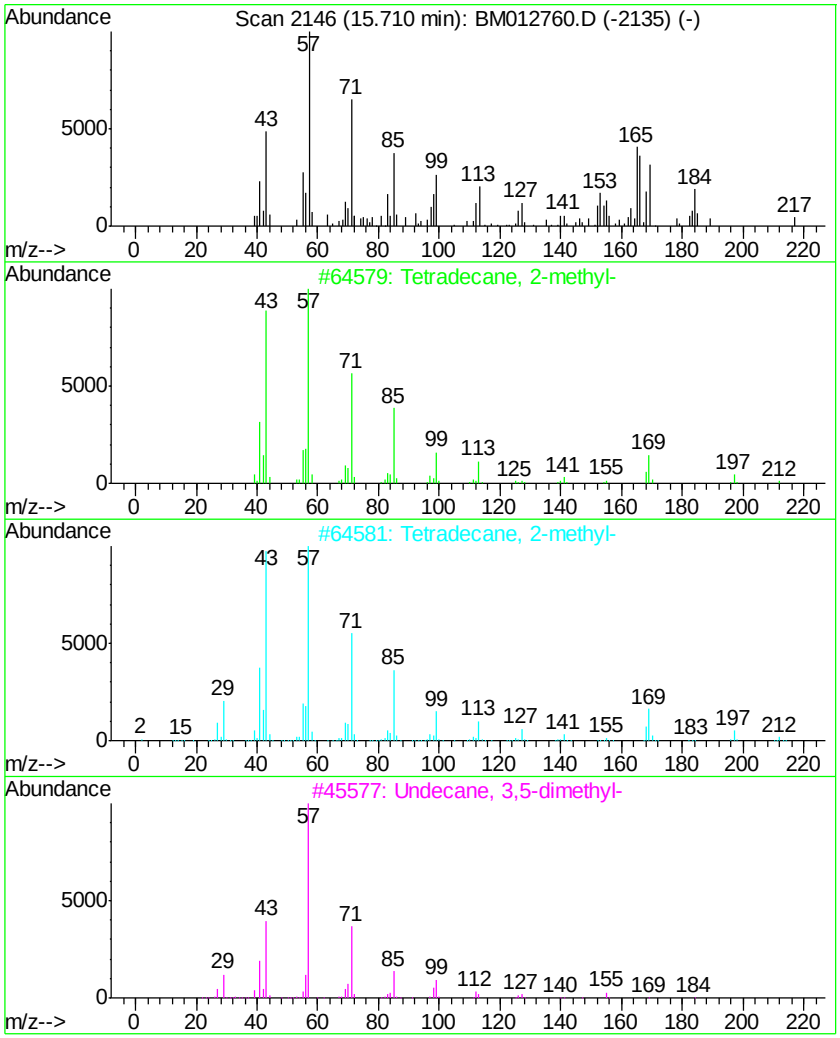
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

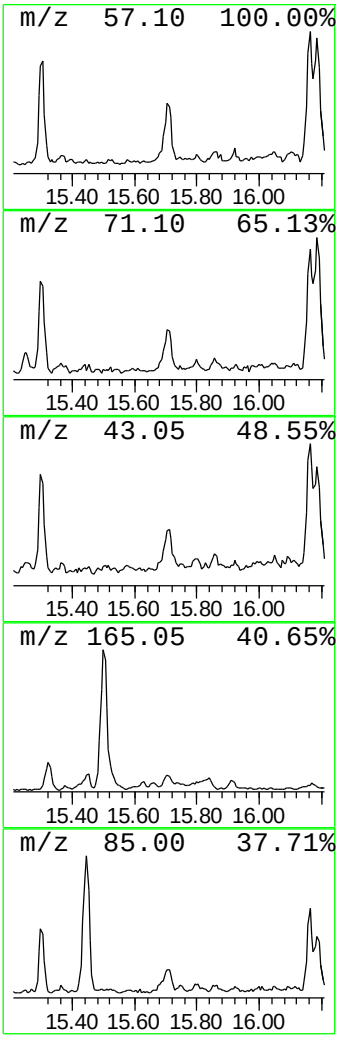
****

Peak Number 5 (DEL) Alkane: Straight-Chai... Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.71	2.26 ng/ul	197027	Acenaphthene-d10	14.45

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tetradecane, 2-methyl-	212	C15H32	001560-95-8	38
2	Tetradecane, 2-methyl-	212	C15H32	001560-95-8	35
3	Undecane, 3,5-dimethyl-	184	C13H28	017312-81-1	27
4	Hexadecane, 2,6,10,14-tetramethyl-	282	C20H42	000638-36-8	25
5	Tridecane	184	C13H28	000629-50-5	25





Data Path : Z:\HPCHEM1\BNA_M\DATA\BM110517\
Data File : BM012760.D
Acq On : 06 Nov 2017 03:59
Operator : SJ/JU
Sample : I5825-11
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : DUP-5

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM110417MA.M
Quant Title : SVOA CALIBRATION

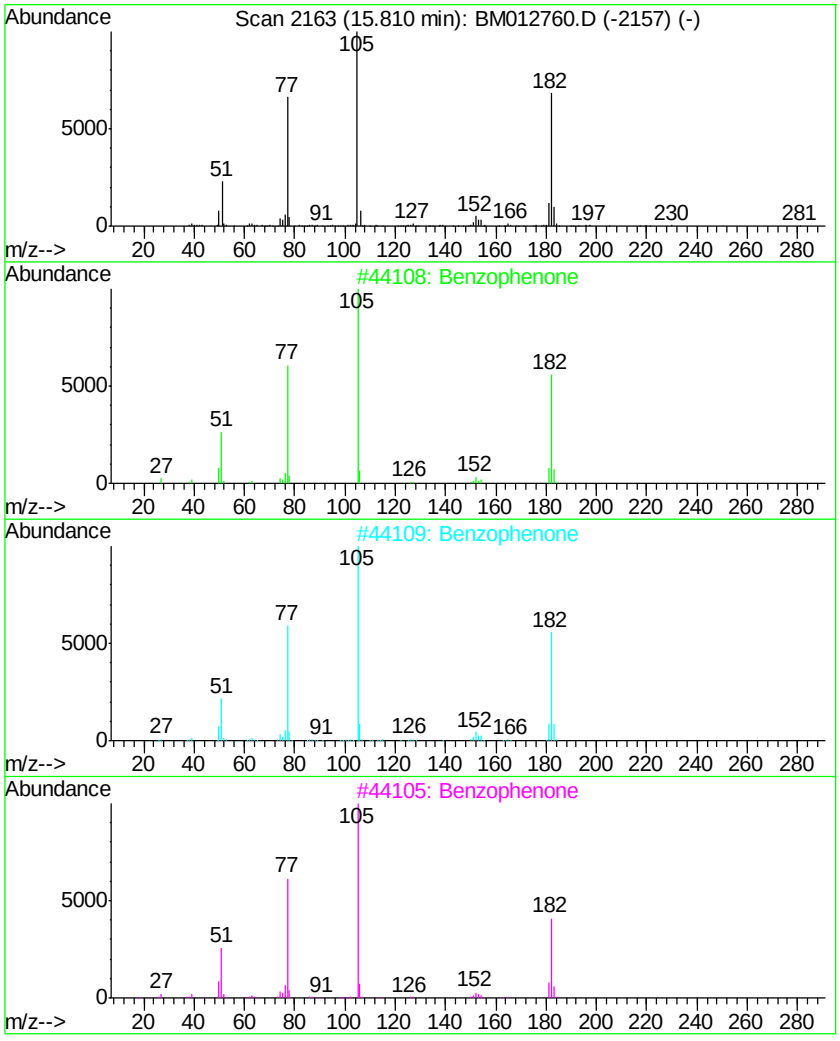
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

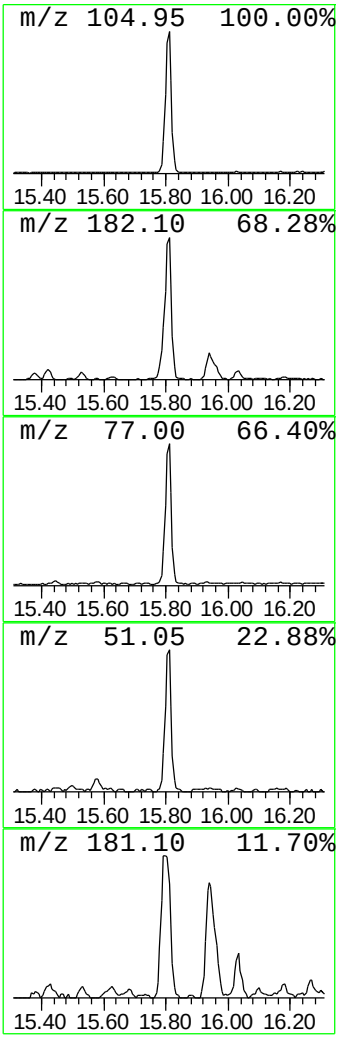
****

Peak Number 6 Benzophenone Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.81	6.02 ng/ul	525448	Acenaphthene-d10	14.45

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzophenone	182	C13H10O	000119-61-9	97
2	Benzophenone	182	C13H10O	000119-61-9	96
3	Benzophenone	182	C13H10O	000119-61-9	95
4	Benzophenone	182	C13H10O	000119-61-9	95
5	Benzophenone	182	C13H10O	000119-61-9	94





Data Path : Z:\HPCHEM1\BNA_M\DATA\BM110517\
Data File : BM012760.D
Acq On : 06 Nov 2017 03:59
Operator : SJ/JU
Sample : I5825-11
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : DUP-5

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM110417MA.M
Quant Title : SVOA CALIBRATION

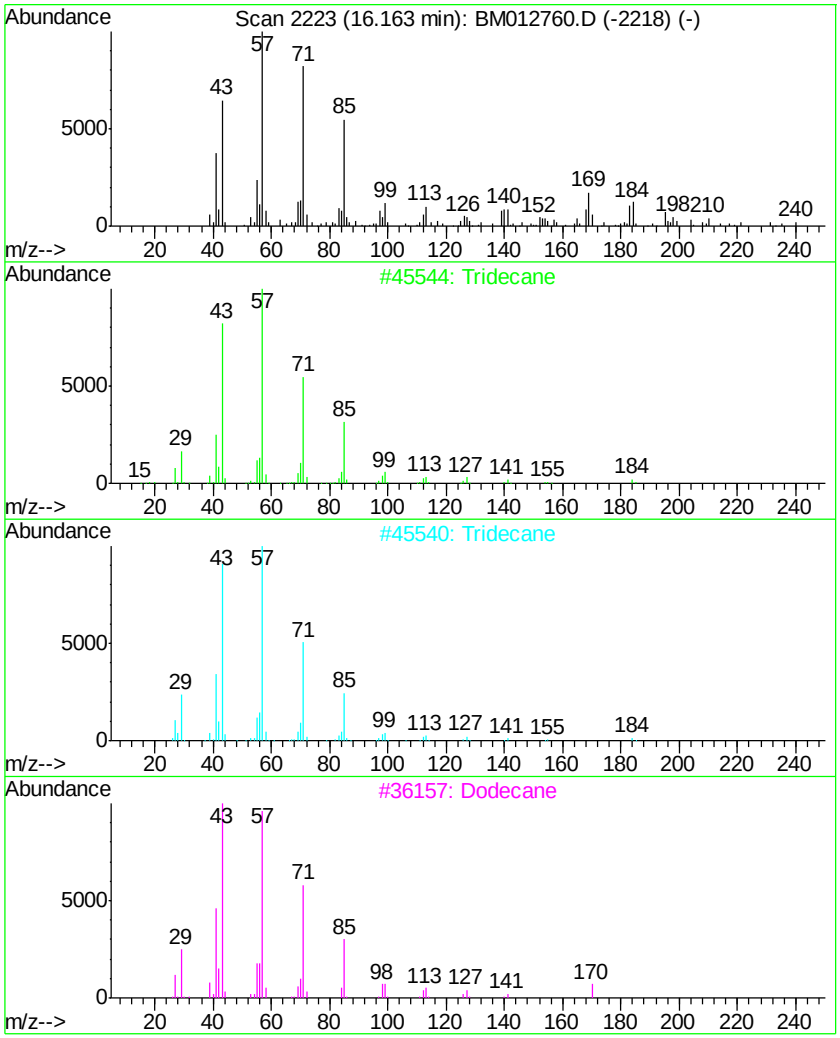
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

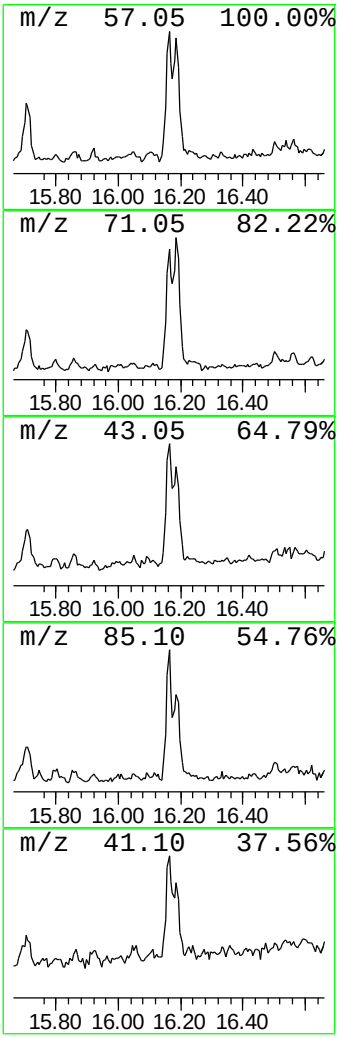
****

Peak Number 7 (DEL) Alkane: Straight-Chai... Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.16	2.29 ng/ul	209738	Phenanthrene-d10	17.20

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tridecane	184	C13H28	000629-50-5	90
2	Tridecane	184	C13H28	000629-50-5	81
3	Dodecane	170	C12H26	000112-40-3	76
4	Tetradecane	198	C14H30	000629-59-4	74
5	Tridecane	184	C13H28	000629-50-5	72





Data Path : Z:\HPCHEM1\BNA_M\DATA\BM110517\
Data File : BM012760.D
Acq On : 06 Nov 2017 03:59
Operator : SJ/JU
Sample : I5825-11
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : DUP-5

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM110417MA.M
Quant Title : SVOA CALIBRATION

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

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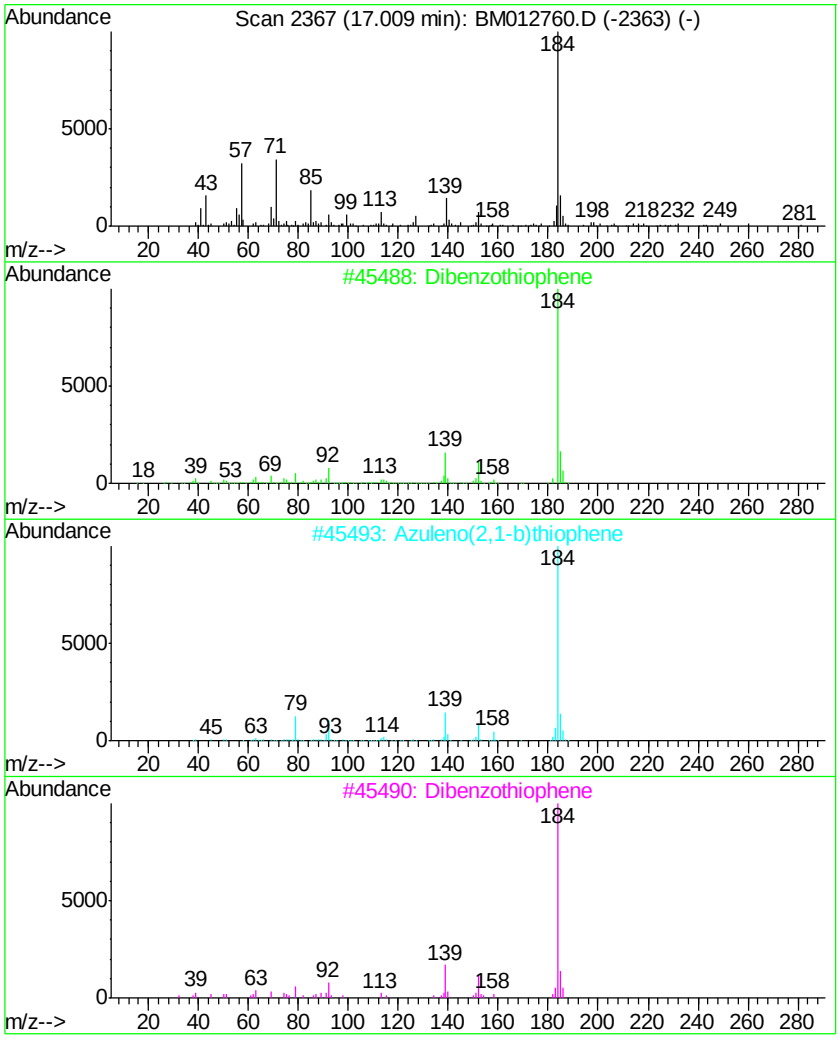
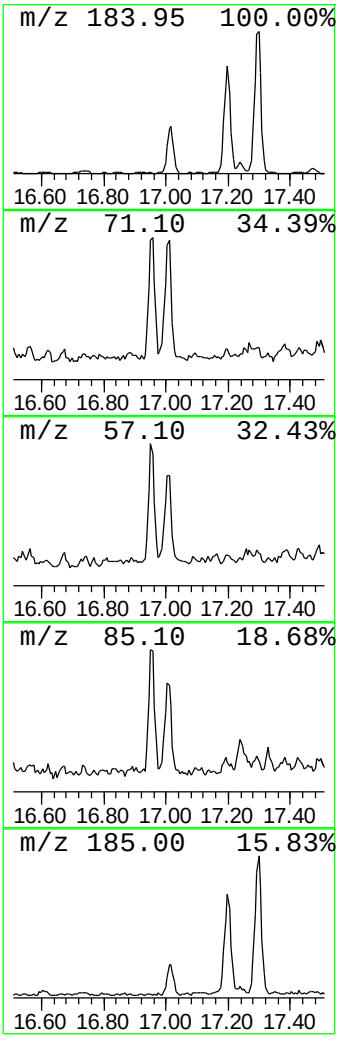
Peak Number 8 Dibenzothiophene Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.01	3.18 ng/ul	291446	Phenanthrene-d10	17.20

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzothiophene	184	C12H8S	000132-65-0	83
2	Azuleno(2,1-b)thiophene	184	C12H8S	000248-13-5	76
3	Dibenzothiophene	184	C12H8S	000132-65-0	70
4	Dibenzothiophene	184	C12H8S	000132-65-0	70
5	Dibenzothiophene	184	C12H8S	000132-65-0	70





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Data File : BM012760.D
Acq On : 06 Nov 2017 03:59
Operator : SJ/JU
Sample : I5825-11
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : DUP-5

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM110417MA.M
Quant Title : SVOA CALIBRATION

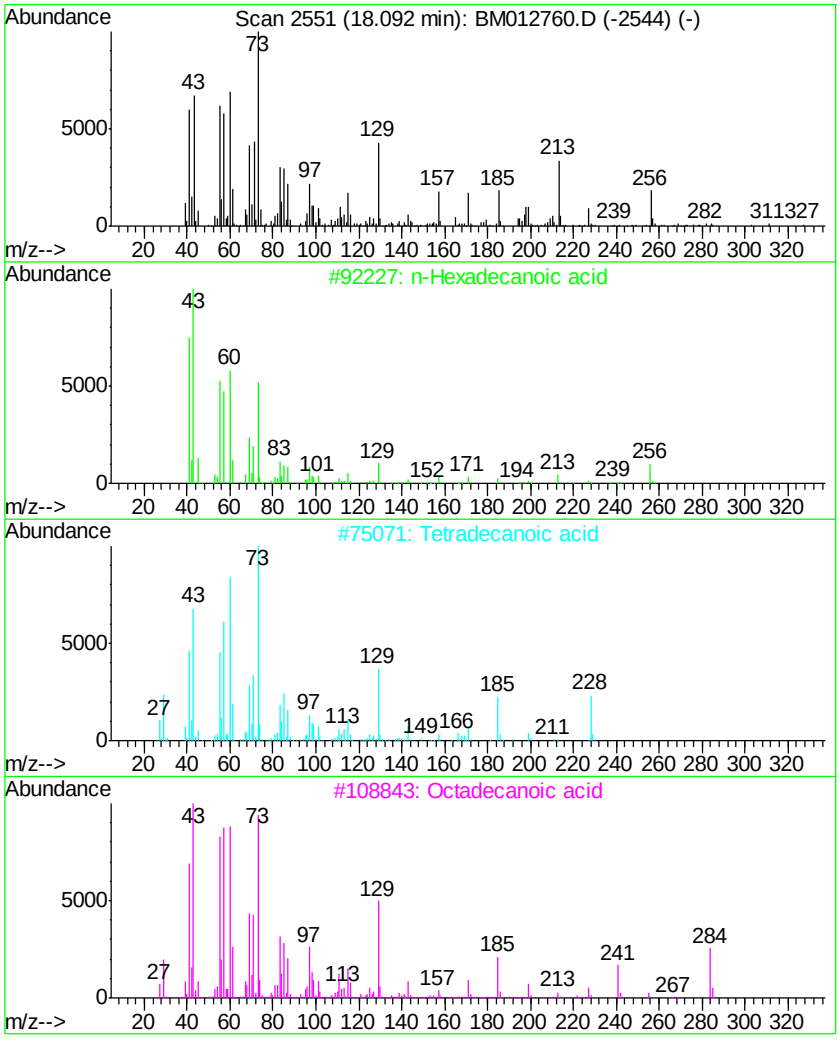
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

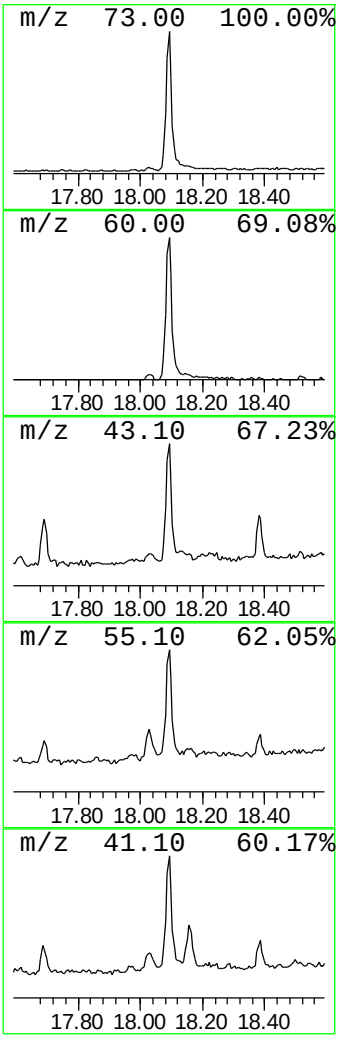
****

Peak Number 9 n-Hexadecanoic acid Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.09	9.50 ng/ul	869466	Phenanthrene-d10	17.20

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	96
2	Tetradecanoic acid	228	C14H28O2	000544-63-8	91
3	Octadecanoic acid	284	C18H36O2	000057-11-4	81
4	Pentadecanoic acid	242	C15H30O2	001002-84-2	81
5	Octadecanoic acid	284	C18H36O2	000057-11-4	80





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Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : DUP-5

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM110417MA.M
Quant Title : SVOA CALIBRATION

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

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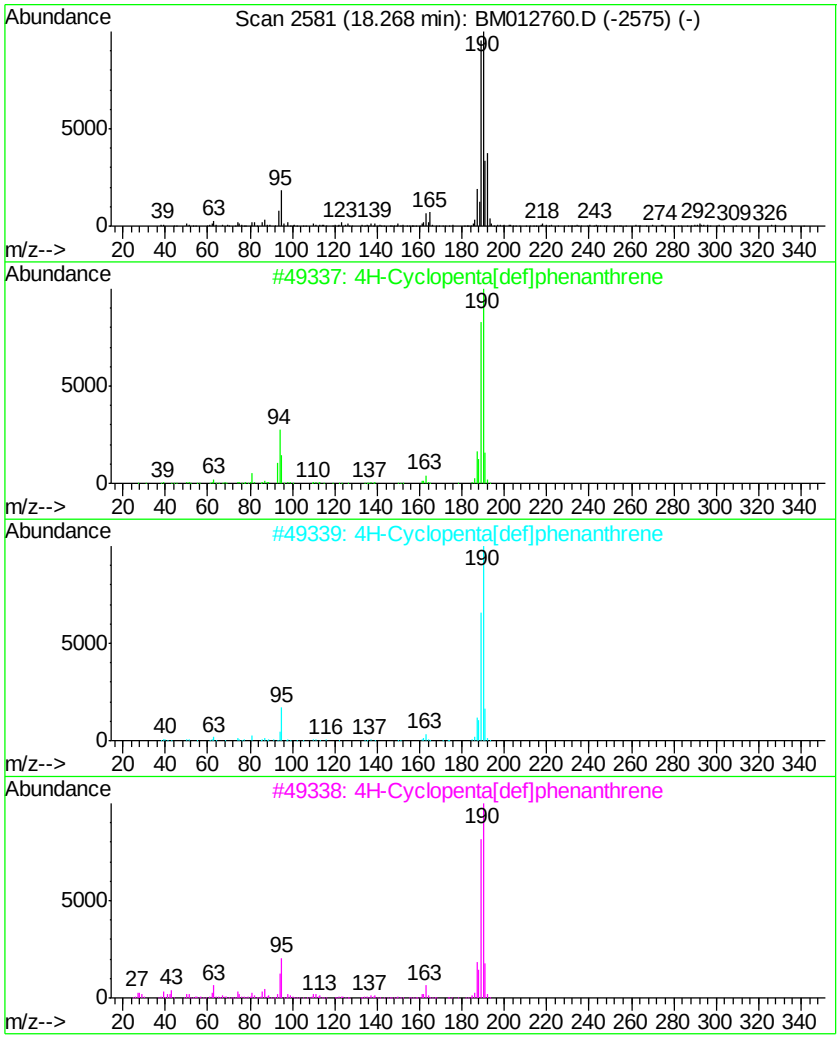
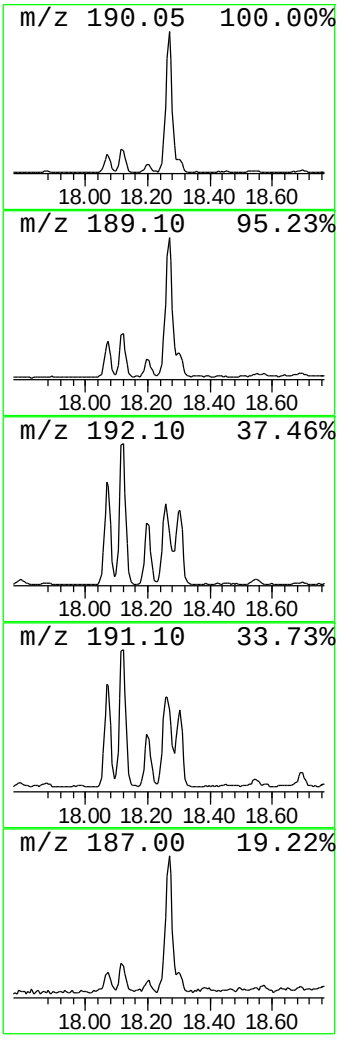
Peak Number 10 4H-Cyclopenta[def]phenanthrene Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.27	7.83 ng/ul	716847	Phenanthrene-d10	17.20

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	87
2	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	81
3	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	76
4	Pyrazole-4-carboxaldehyde, 3-(4-...	190	C10H7FN2O	306936-57-2	58
5	1,4-Naphthalenedione, 2,5-dihydr...	190	C10H6O4	004923-55-1	25





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Sample : I5825-11
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : DUP-5

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM110417MA.M
Quant Title : SVOA CALIBRATION

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

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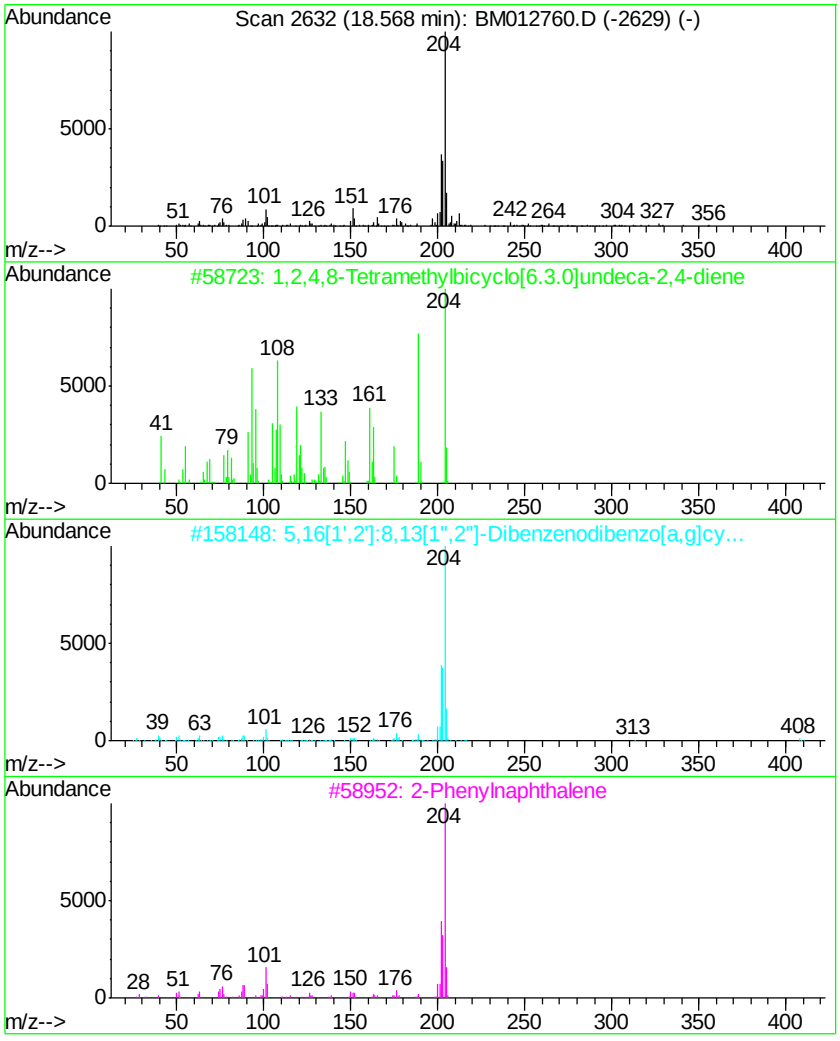
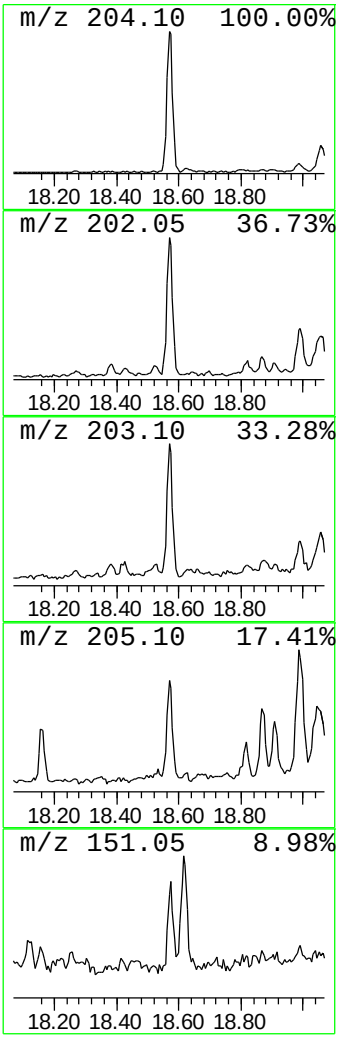
Peak Number 11 1,2,4,8-Tetramethylbicyclo[... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.57	2.87 ng/ul	262630	Phenanthrene-d10	17.20

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,2,4,8-Tetramethylbicyclo[6.3.0...	204	C15H24	137235-51-9	90
2	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	80
3	2-Phenylnaphthalene	204	C16H12	035465-71-5	70
4	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	70
5	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	64





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Acq On : 06 Nov 2017 03:59
Operator : SJ/JU
Sample : I5825-11
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : DUP-5

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM110417MA.M
Quant Title : SVOA CALIBRATION

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

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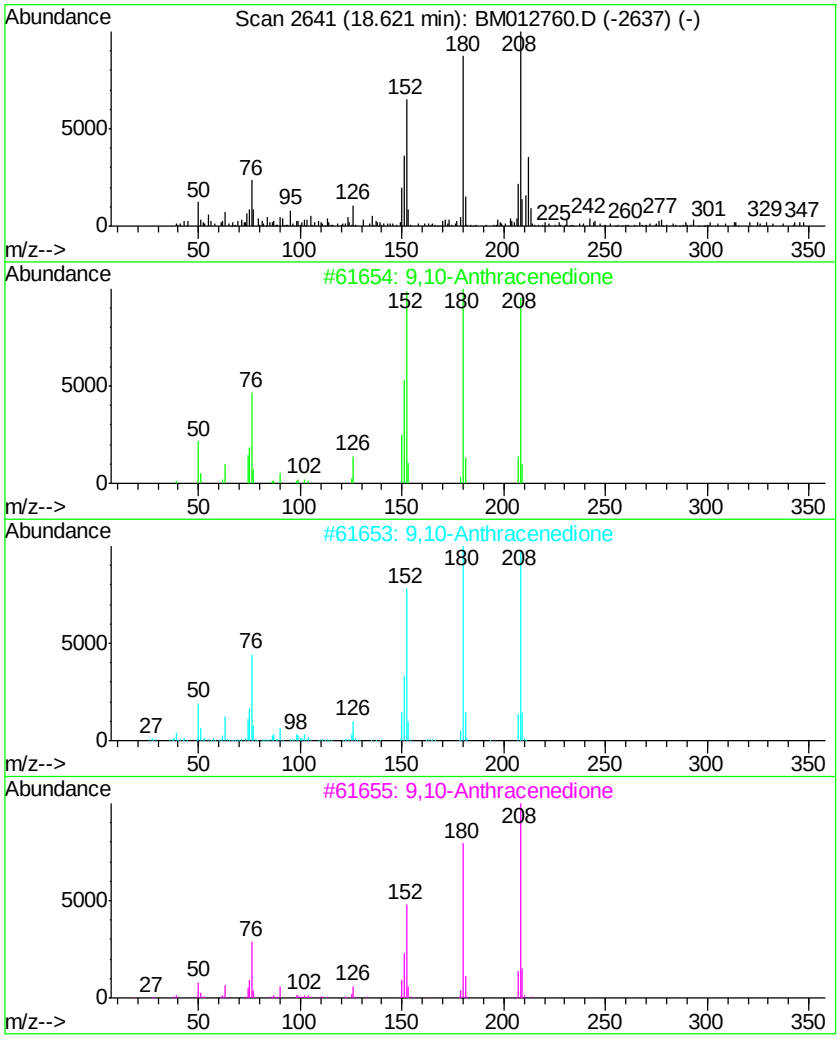
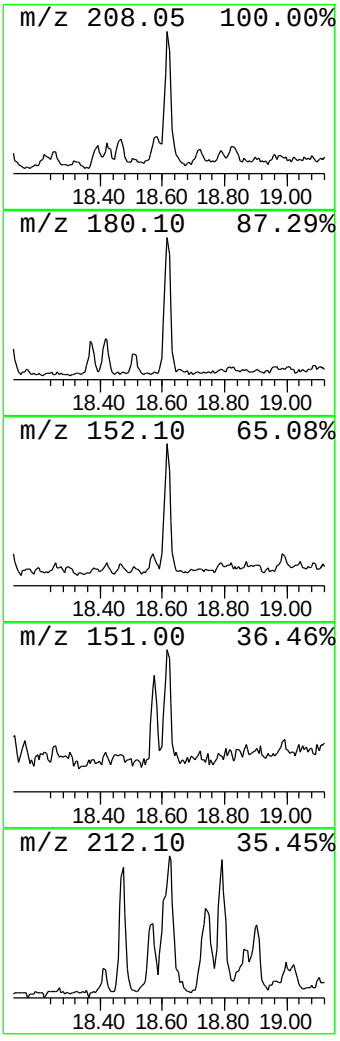
Peak Number 12 9,10-Anthracenedione Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.62	2.22 ng/ul	202994	Phenanthrene-d10	17.20

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Anthracenedione	208	C14H8O2	000084-65-1	97
2	9,10-Anthracenedione	208	C14H8O2	000084-65-1	96
3	9,10-Anthracenedione	208	C14H8O2	000084-65-1	95
4	1H-Phenalen-1-one	180	C13H8O	000548-39-0	55
5	1H-Phenalen-1-one	180	C13H8O	000548-39-0	53





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Acq On : 06 Nov 2017 03:59
Operator : SJ/JU
Sample : I5825-11
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : DUP-5

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM110417MA.M
Quant Title : SVOA CALIBRATION

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

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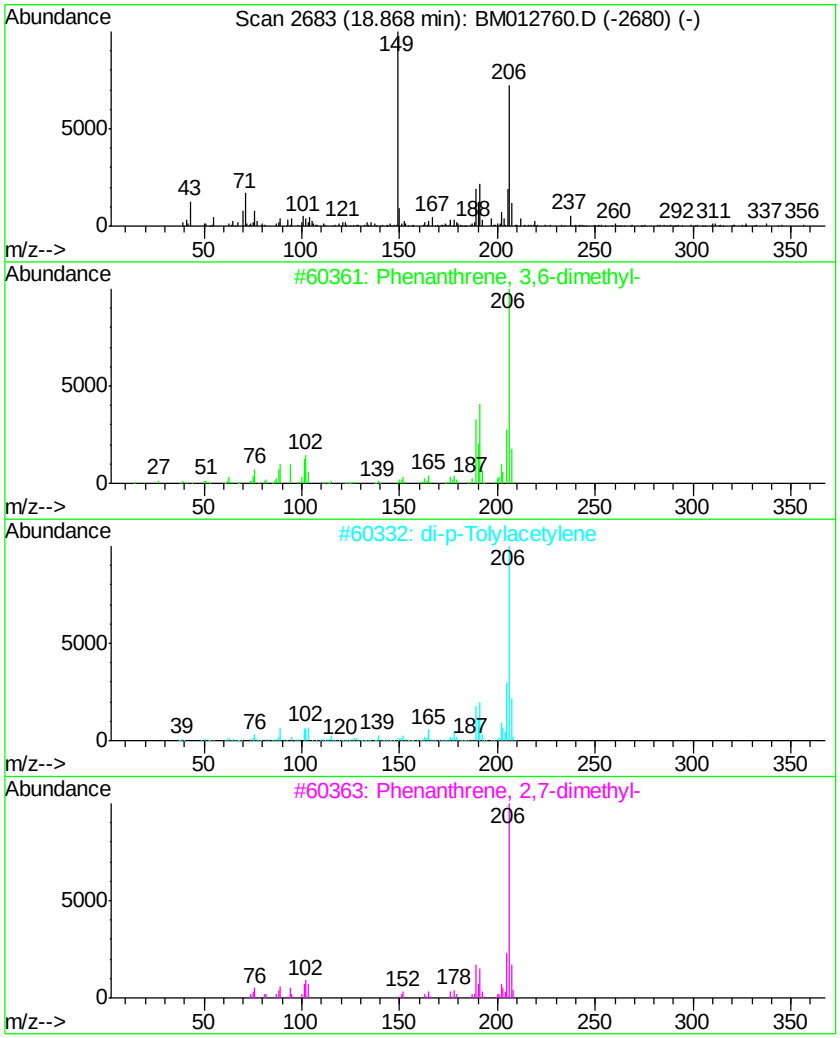
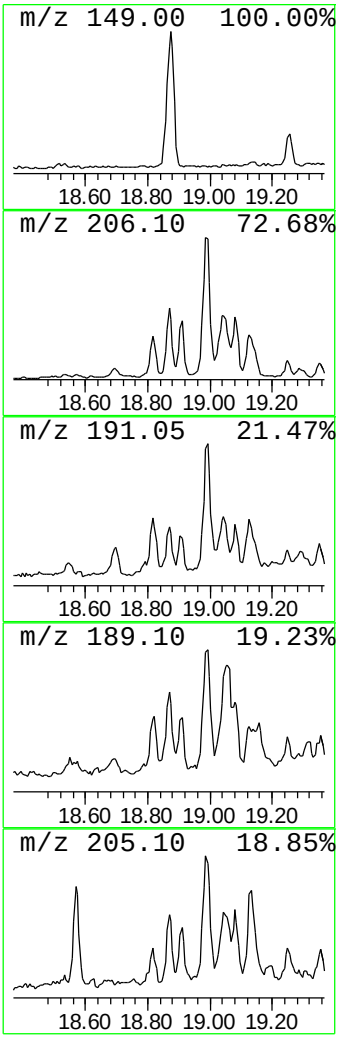
Peak Number 13 Phenanthrene, 3,6-dimethyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.87	2.70 ng/ul	246863	Phenanthrene-d10	17.20

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	70
2	di-p-Tolylacetylene	206	C16H14	002789-88-0	60
3	Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	55
4	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	50
5	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	49





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Acq On : 06 Nov 2017 03:59
Operator : SJ/JU
Sample : I5825-11
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : DUP-5

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM110417MA.M
Quant Title : SVOA CALIBRATION

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

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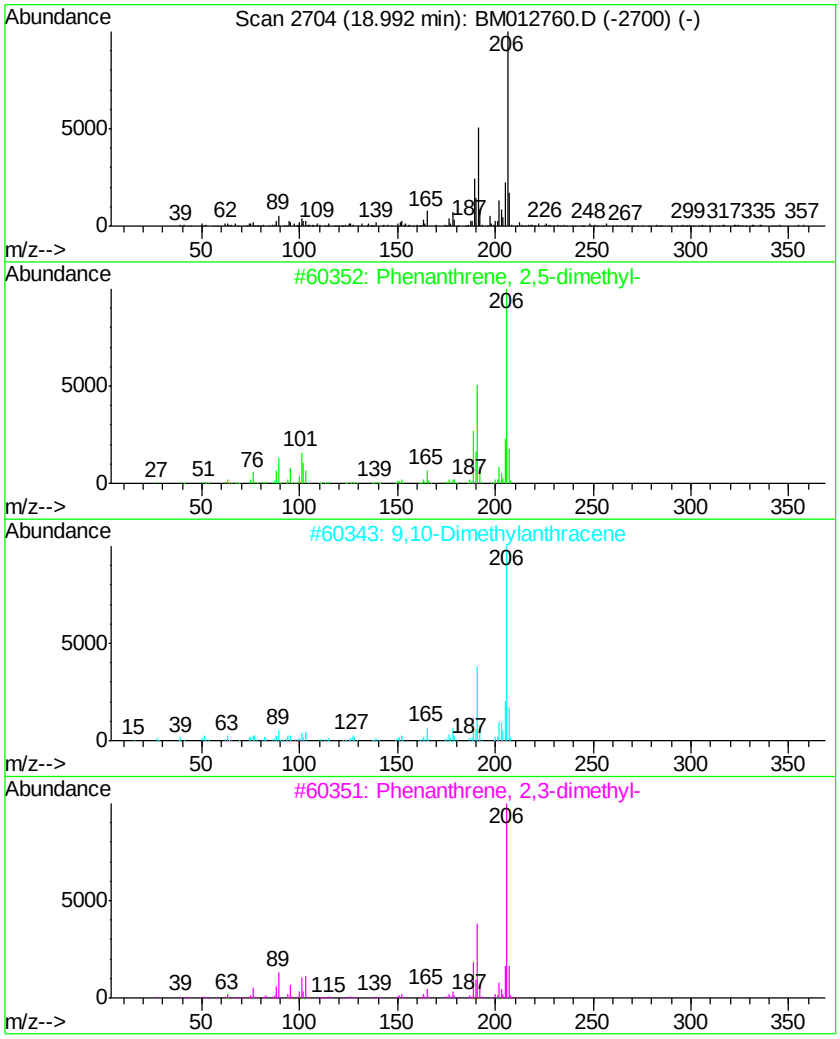
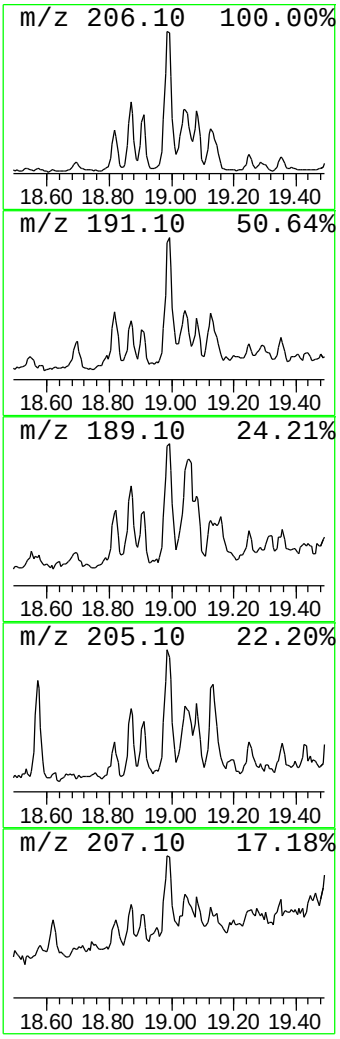
Peak Number 14 Phenanthrene, 2,5-dimethyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.99	3.49 ng/ul	319214	Phenanthrene-d10	17.20

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	93
2	9,10-Dimethylanthracene	206	C16H14	000781-43-1	91
3	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	90
4	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	90
5	Phenanthrene, 4,5-dimethyl-	206	C16H14	003674-69-9	87





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Data File : BM012760.D
Acq On : 06 Nov 2017 03:59
Operator : SJ/JU
Sample : I5825-11
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : DUP-5

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM110417MA.M
Quant Title : SVOA CALIBRATION

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

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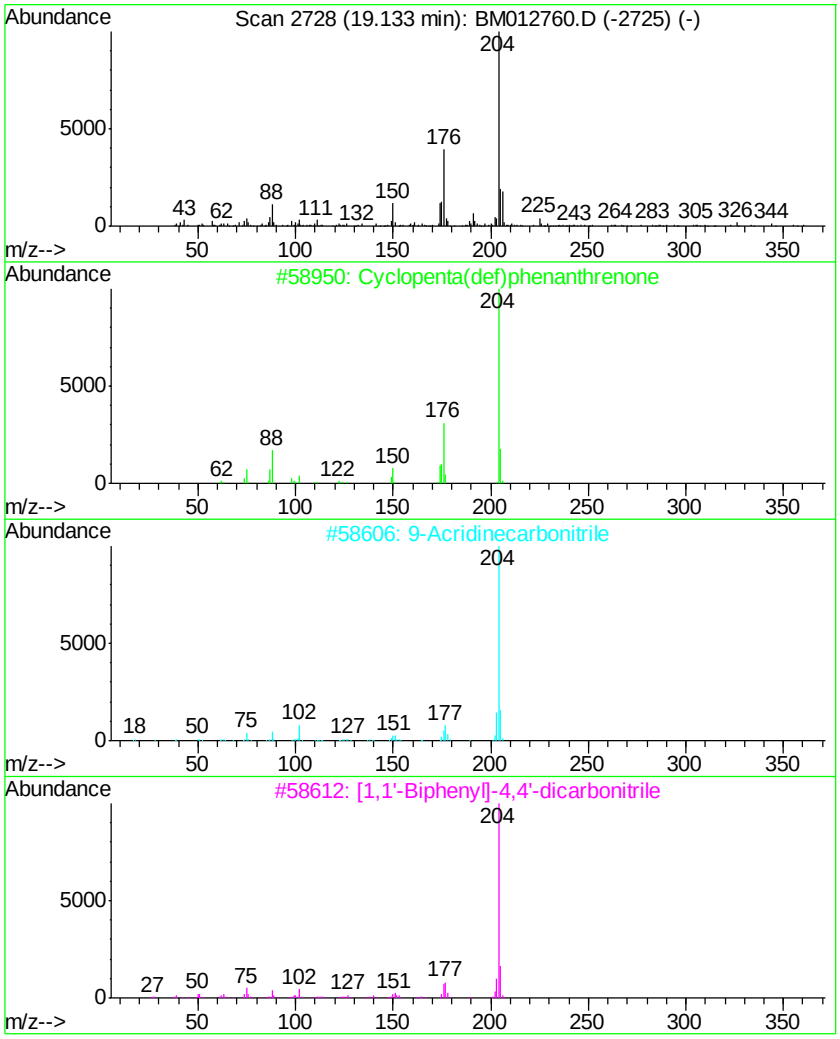
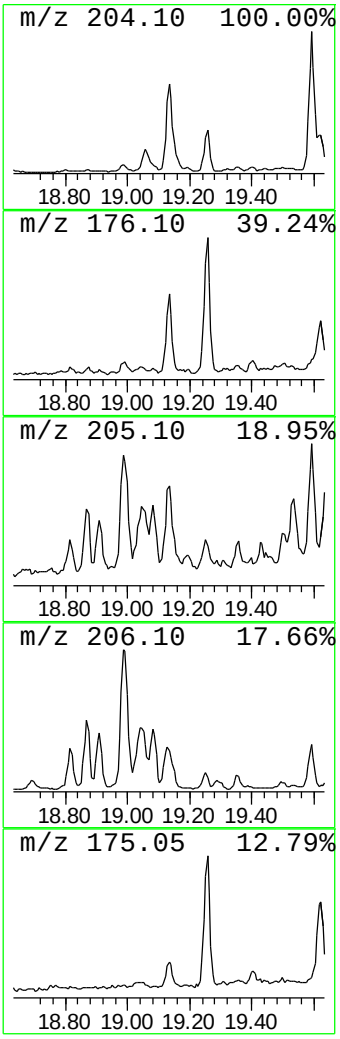
Peak Number 15 Cyclopenta(def)phenanthrenone Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.13	2.29 ng/ul	209201	Phenanthrene-d10	17.20

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	90
2	9-Acridinecarbonitrile	204	C14H8N2	005326-19-2	52
3	[1,1'-Biphenyl]-4,4'-dicarbonitrile	204	C14H8N2	001591-30-6	52
4	1,2,4,8-Tetramethylbicyclo[6.3.0...	204	C15H24	137235-51-9	49
5	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	43





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Acq On : 06 Nov 2017 03:59
Operator : SJ/JU
Sample : I5825-11
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : DUP-5

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM110417MA.M
Quant Title : SVOA CALIBRATION

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

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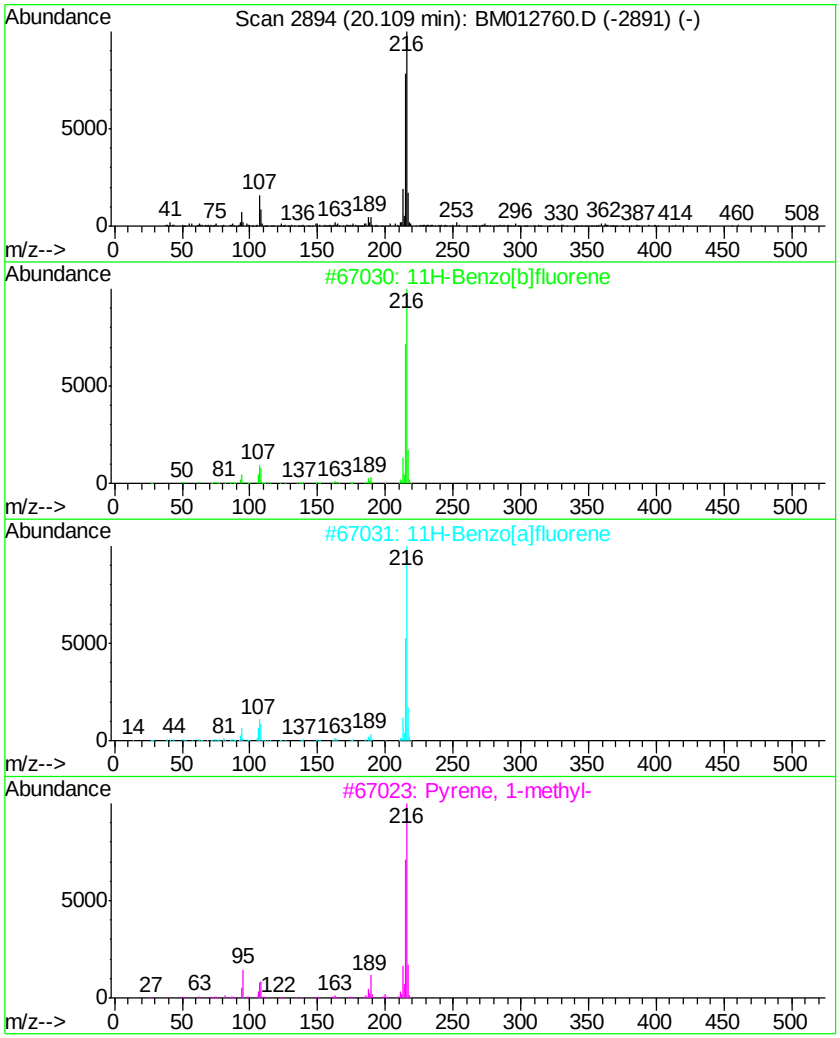
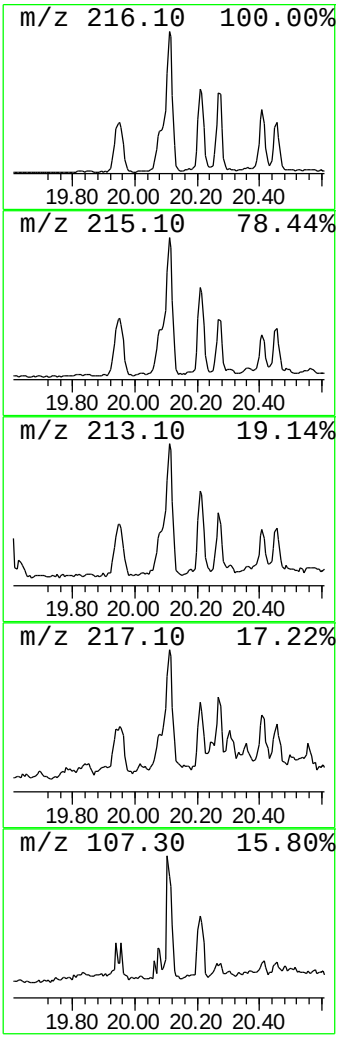
Peak Number 16 11H-Benzo[b]fluorene Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.11	3.16 ng/ul	714641	Chrysene-d12	21.38

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	94
2	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	93
3	Pyrene, 1-methyl-	216	C17H12	002381-21-7	93
4	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	87
5	Pyrene, 1-methyl-	216	C17H12	002381-21-7	86





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM110517\
Data File : BM012760.D
Acq On : 06 Nov 2017 03:59
Operator : SJ/JU
Sample : I5825-11
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : DUP-5

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM110417MA.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	3.81	8.6	ng/ul	343177	1	7.81	798038	20.0
2-Pentanone, 4-hy...	4.95	3.2	ng/ul	128298	1	7.81	798038	20.0
Oxirane, tetramet...	5.03	2.6	ng/ul	103402	1	7.81	798038	20.0
(DEL) Alkane: Str...	15.71	2.3	ng/ul	197027	3	14.45	1744420	20.0
Benzophenone	15.81	6.0	ng/ul	525448	3	14.45	1744420	20.0
(DEL) Alkane: Str...	16.16	2.3	ng/ul	209738	4	17.20	1830550	20.0
Dibenzothiophene	17.01	3.2	ng/ul	291446	4	17.20	1830550	20.0
n-Hexadecanoic acid	18.09	9.5	ng/ul	869466	4	17.20	1830550	20.0
4H-Cyclopenta[def...	18.27	7.8	ng/ul	716847	4	17.20	1830550	20.0
1,2,4,8-Tetrameth...	18.57	2.9	ng/ul	262630	4	17.20	1830550	20.0
9,10-Anthracenedione	18.62	2.2	ng/ul	202994	4	17.20	1830550	20.0
Phenanthrene, 3,6...	18.87	2.7	ng/ul	246863	4	17.20	1830550	20.0
Phenanthrene, 2,5...	18.99	3.5	ng/ul	319214	4	17.20	1830550	20.0
Cyclopenta(def)ph...	19.13	2.3	ng/ul	209201	4	17.20	1830550	20.0
11H-Benzo[b]fluorene	20.11	3.2	ng/ul	714641	5	21.38	4526130	20.0