LSC Area Percent Report

Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA M\DATA\BM121317\
Data File : BM013385.D
Acq On : 13 Dec 2017 21:58
Operator : SJ/JU
Sample : I6759-12ME
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F9A20ME

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-BM113017.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	10.087	1184	1190	1201	rVB	832220	1352939	1.05%	0.216%
2	10.463	1245	1254	1258	rBV	1070125	1895167	1.47%	0.302%
3	10.510	1258	1262	1269	rVV	1329683	2136171	1.66%	0.341%
4	12.128	1529	1537	1544	rBV	2159334	3384952	2.63%	0.540%
5	12.351	1564	1575	1585	rVB	2281913	3744278	2.91%	0.598%
6	13.351	1739	1745	1755	rVB	796942	1593472	1.24%	0.254%
7	13.481	1758	1767	1769	rBV2	1184056	1920332	1.49%	0.306%
8	13.645	1786	1795	1800	rBV	1906355	3442406	2.67%	0.549%
9	13.698	1800	1804	1808	rVV	1354533	1922278	1.49%	0.307%
10	13.745	1808	1812	1816	rVB	1468478	1955026	1.52%	0.312%
11	13.881	1826	1835	1839	rBV	848539	1350352	1.05%	0.216%
12	14.016	1851	1858	1861	rBV	1860883	2751014	2.14%	0.439%
13	14.328	1902	1911	1916	rBV2	1585272	2729009	2.12%	0.436%
14	14.404	1916	1924	1929	rVV	28285701	42005645	32.61%	6.704%
15	14.463	1929	1934	1940	rVB	971652	1389534	1.08%	0.222%
16	14.539	1941	1947	1956	rVB2	796447	1692949	1.31%	0.270%
17	14.639	1956	1964	1969	rBV	1429140	2157564	1.67%	0.344%
18	14.734	1969	1980	1987	rBV	14003389	20995438	16.30%	3.351%
19	15.322	2074	2080	2085	rBV2	1836248	2968315	2.30%	0.474%
20	15.392	2085	2092	2101	rVB	20883603	31405025	24.38%	5.012%
21	15.475	2101	2106	2108	rBV	1511375	2156909	1.67%	0.344%
22	15.504	2108	2111	2114	rVV	1735870	2536061	1.97%	0.405%
23	15.539	2114	2117	2122	rVV	3096624	4291697	3.33%	0.685%
24	15.628	2129	2132	2136	rVV	1493568	2135121	1.66%	0.341%
25	15.675	2136	2140	2148	rVB	3264040	4590422	3.56%	0.733%
26	15.822	2156	2165	2173	rVV	3540245	6877790	5.34%	1.098%
27	15.910	2173	2180	2187	rVB2	669236	1423409	1.10%	0.227%
28	16.339	2248	2253	2255	rBV2	1045924	1493764	1.16%	0.238%
29	16.381	2255	2260	2265	rVV2	2106546	3764912	2.92%	0.601%
30	16.533	2280	2286	2290	rVB3	900483	1615699	1.25%	0.258%
31	16.739	2317	2321	2328	rVB2	1240887	1955074	1.52%	0.312%
32	16.833	2328	2337	2342	rBV2	2260014	4893556	3.80%	0.781%
33	16.898	2342	2348	2353	rVV	5747724	7644807	5.93%	1.220%
34	17.086	2369	2380	2381	rBV2	1557848	2493729	1.94%	0.398%

LSC Area Percent Report

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Data File : BM013385.D
Acq On : 13 Dec 2017 21:58
Operator : SJ/JU
Sample : I6759-12ME
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F9A20ME

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-BM113017.M
Title : SVOA CALIBRATION

35	17.157	2381	2392	2395	rVV2	60786988	128825480	100.00%	20.562%
36	17.192	2395	2398	2400	rVV	4016524	5329044	4.14%	0.851%
37	17.222	2400	2403	2407	rVV	6357431	7698062	5.98%	1.229%
38	17.457	2437	2443	2444	rBV	1396760	1753433	1.36%	0.280%
39	17.486	2444	2448	2452	rVB	3390761	4638275	3.60%	0.740%
40	17.598	2461	2467	2473	rBV3	1252559	2048222	1.59%	0.327%
41	17.951	2517	2527	2532	rBV	5251563	8299755	6.44%	1.325%
42	18.004	2532	2536	2542	rVB	7976310	10699795	8.31%	1.708%
43	18.086	2542	2550	2555	rBV	2380136	3929838	3.05%	0.627%
44	18.157	2555	2562	2565	rBV2	10528860	16935707	13.15%	2.703%
45	18.186	2565	2567	2573	rVB	2493630	2748995	2.13%	0.439%
46	18.457	2608	2613	2617	rVV	3937392	5118060	3.97%	0.817%
47	18.504	2617	2621	2625	rVB	1105363	1459088	1.13%	0.233%
48	18.698	2646	2654	2659	rBV3	902158	1548899	1.20%	0.247%
49	18.869	2678	2683	2688	rBV	1093657	2030719	1.58%	0.324%
50	19.163	2723	2733	2737	rBV2	45106855	79174152	61.46%	12.637%
51	19.386	2767	2771	2775	rVB	1178909	1761244	1.37%	0.281%
52	19.521	2782	2794	2800	rBV3	32746876	69151615	53.68%	11.037%
53	19.574	2800	2803	2810	rVB	1733094	2252618	1.75%	0.360%
54	19.686	2816	2822	2828	rBV	2350837	3149048	2.44%	0.503%
55	19.827	2840	2846	2853	rBV3	1687279	4386696	3.41%	0.700%
56	19.963	2863	2869	2871	rBV3	1358780	2289623	1.78%	0.365%
57	20.004	2871	2876	2881	rVB	5831524	8274400	6.42%	1.321%
58	20.104	2888	2893	2897	rBV	5661839	7368128	5.72%	1.176%
59	20.157	2897	2902	2906	rVV2	1905181	3566722	2.77%	0.569%
60	20.198	2906	2909	2913	rVV	1424553	1770892	1.37%	0.283%
61	20.345	2929	2934	2938	rVB3	1112846	1507204	1.17%	0.241%
62	20.916	3024	3031	3034	rBV	1489761	2276655	1.77%	0.363%
63	20.951	3034	3037	3040	rVV	1924120	2349388	1.82%	0.375%
64	20.986	3040	3043	3049	rVV2	1621209	3240699	2.52%	0.517%
65	21.045	3049	3053	3064	rVB3	968213	1867644	1.45%	0.298%
66	21.151	3064	3071	3080	rBV	483341	1332174	1.03%	0.213%
67	21.257	3081	3089	3094	rVV3	10848144	18928721	14.69%	3.021%
68	21.310	3094	3098	3107	rVB	7004039	9765381	7.58%	1.559%
69	21.421	3113	3117	3124	rBV	1816264	2413091	1.87%	0.385%
70	22.827	3350	3356	3361	rBV	2470967	5729879	4.45%	0.915%
71	23.304	3431	3437	3441	rBV	863693	1661364	1.29%	0.265%

LSC Area Percent Report

Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA M\DATA\BM121317\
Data File : BM013385.D
Acq On : 13 Dec 2017 21:58
Operator : SJ/JU
Sample : I6759-12ME
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F9A20ME

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-BM113017.M
Title : SVOA CALIBRATION

72	23.351	3441	3445	3449	rVV2	1570006	2884589	2.24%	0.460%
73	23.398	3449	3453	3460	rVB	1549208	2655756	2.06%	0.424%
74	23.492	3462	3469	3474	rBV	1605474	3050153	2.37%	0.487%

Sum of corrected areas: 626536024

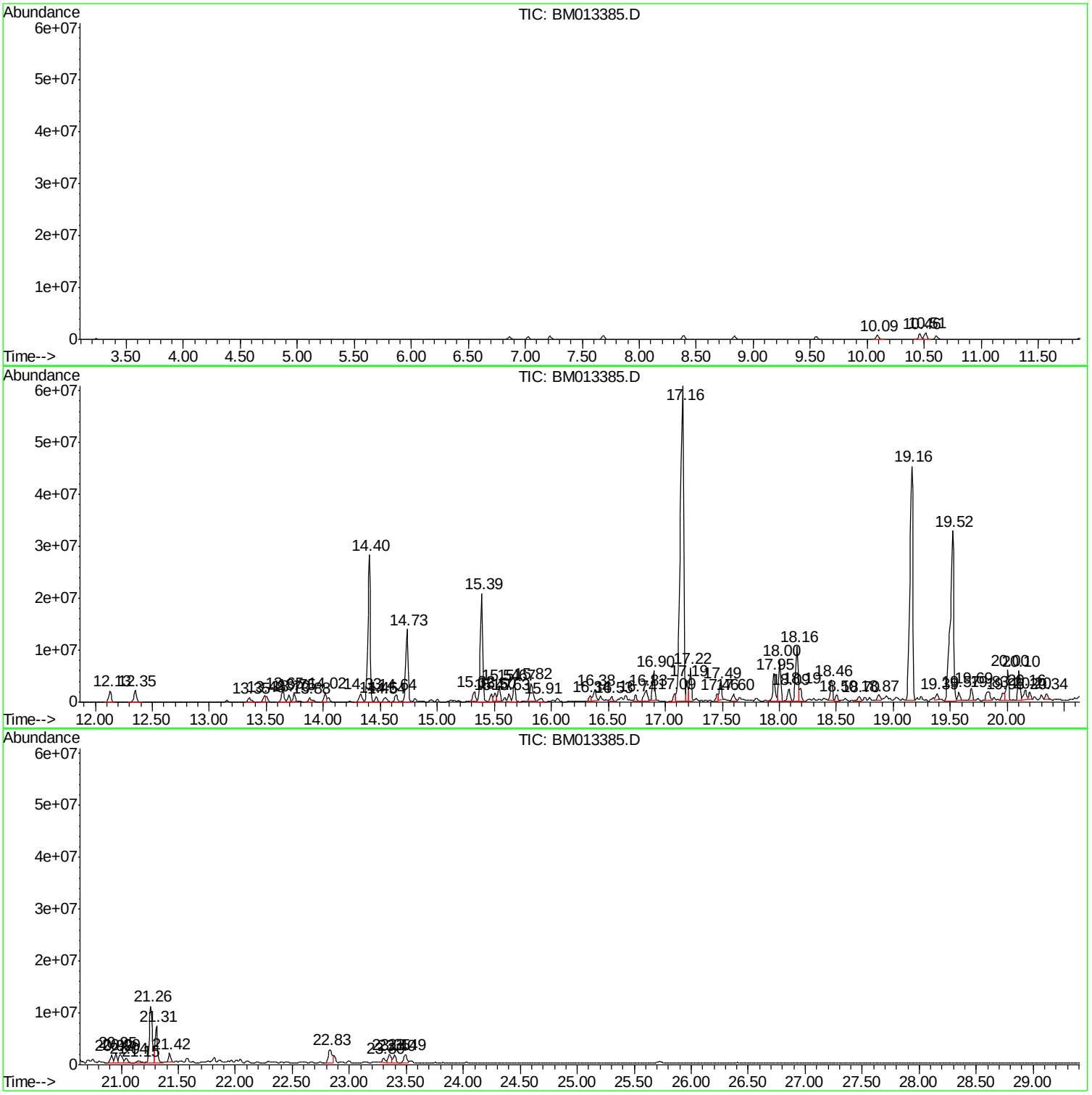
LSC Report - Integrated Chromatogram

Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA M\DATA\BM121317\
Data File : BM013385.D
Acq On : 13 Dec 2017 21:58
Operator : SJ/JU
Sample : I6759-12ME
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
F9A20ME

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM113017.M
Quant Title : SVOA CALIBRATION

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



Library Search Compound Report

Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA M\DATA\BM121317\
Data File : BM013385.D
Acq On : 13 Dec 2017 21:58
Operator : SJ/JU
Sample : I6759-12ME
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F9A20ME

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM113017.M
Quant Title : SVOA CALIBRATION

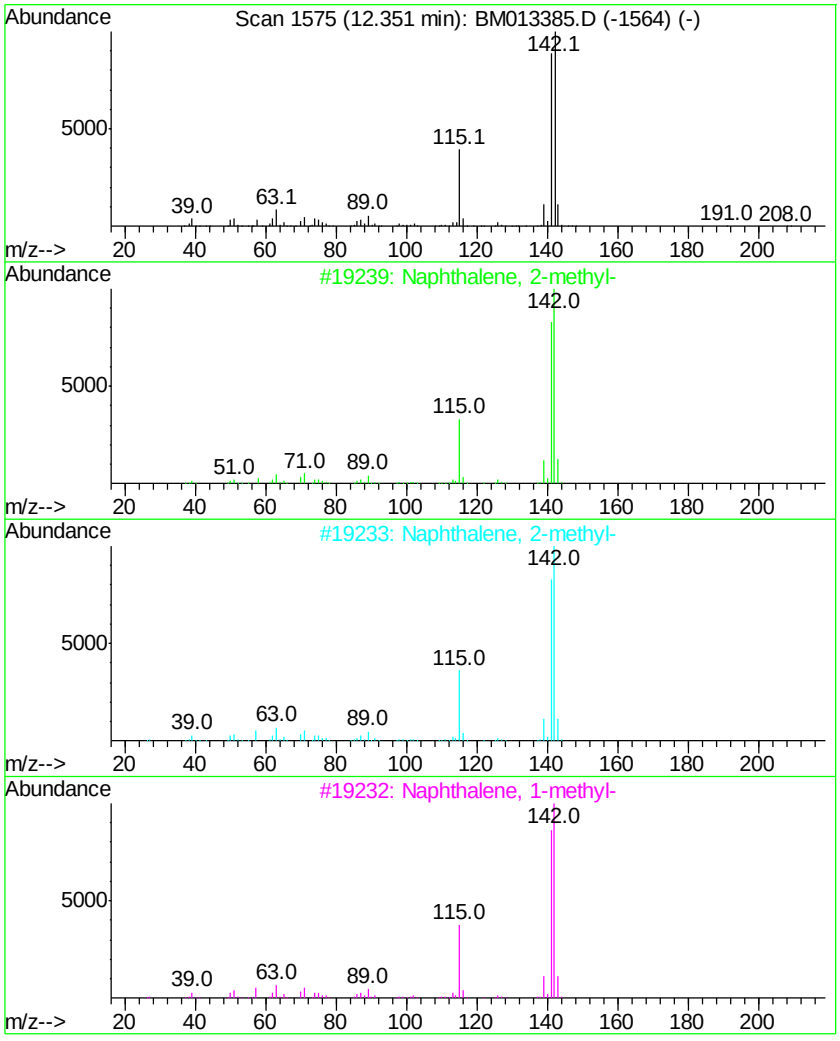
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

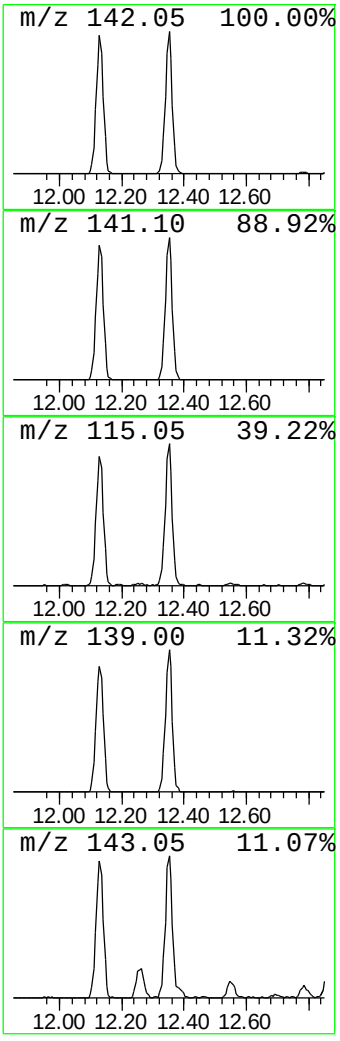
****

Peak Number 1 Naphthalene, 1-methyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.35	39.51 ng/ul	3744280	Naphthalene-d8	10.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-methyl-	142	C11H10	000091-57-6	96
2	Naphthalene, 2-methyl-	142	C11H10	000091-57-6	96
3	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	96
4	1,4-Methanonaphthalene, 1,4-dihy...	142	C11H10	004453-90-1	94
5	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	94





Library Search Compound Report

Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA M\DATA\BM121317\
Data File : BM013385.D
Acq On : 13 Dec 2017 21:58
Operator : SJ/JU
Sample : I6759-12ME
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F9A20ME

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM113017.M
Quant Title : SVOA CALIBRATION

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

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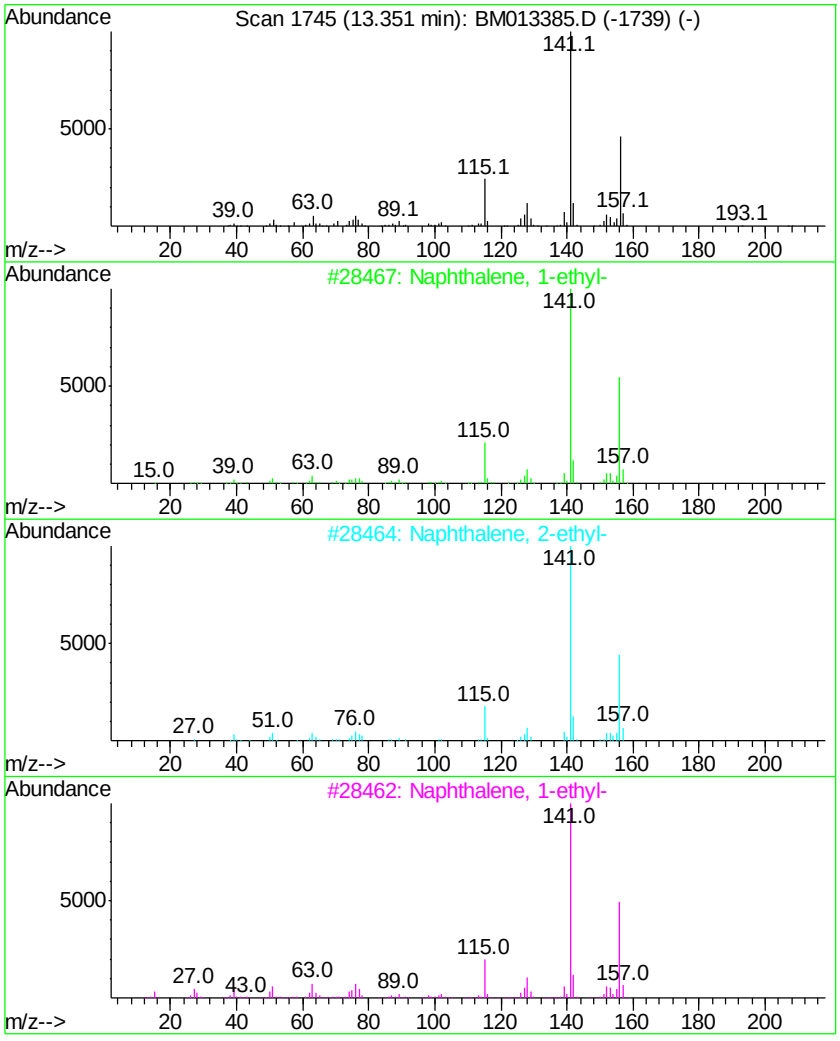
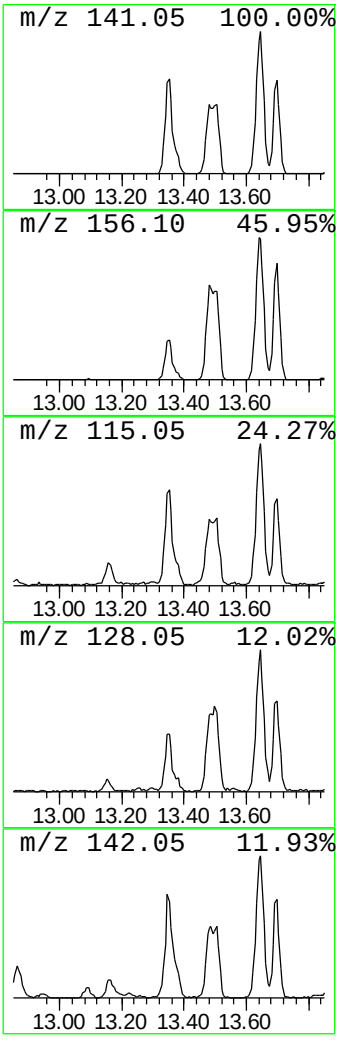
Peak Number 2 Naphthalene, 1-ethyl- Concentration Rank 24

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.35	11.68 ng/ul	1593470	Acenaphthene-d10	14.33

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1-ethyl-	156	C12H12	001127-76-0	96
2	Naphthalene, 2-ethyl-	156	C12H12	000939-27-5	95
3	Naphthalene, 1-ethyl-	156	C12H12	001127-76-0	95
4	Naphthalene, 2-ethyl-	156	C12H12	000939-27-5	93
5	Naphthalene, 1-ethyl-	156	C12H12	001127-76-0	91





Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA M\DATA\BM121317\
Data File : BM013385.D
Acq On : 13 Dec 2017 21:58
Operator : SJ/JU
Sample : I6759-12ME
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F9A20ME

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM113017.M
Quant Title : SVOA CALIBRATION

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

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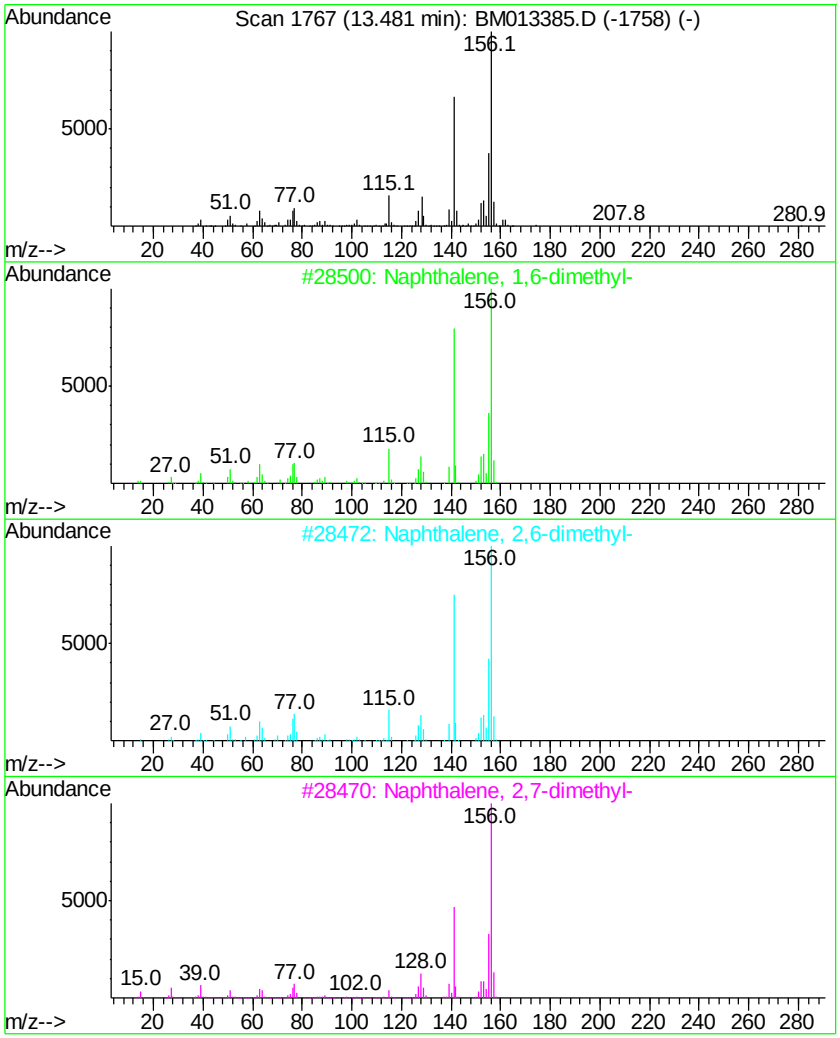
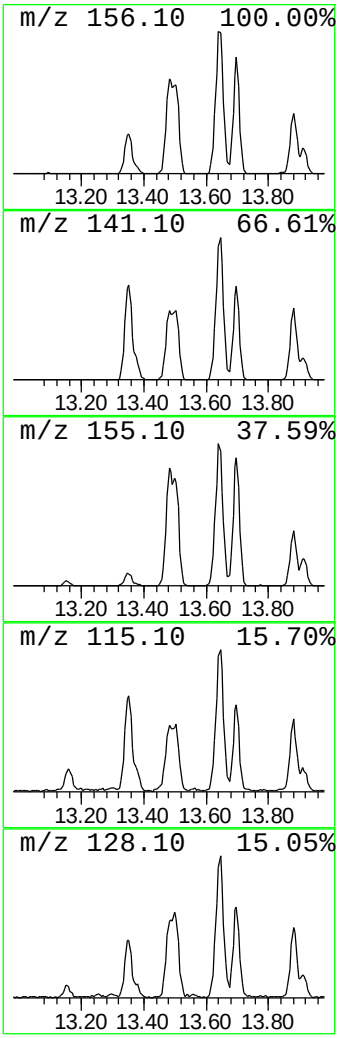
Peak Number 3 Naphthalene, 1,6-dimethyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.48	14.07 ng/ul	1920330	Acenaphthene-d10	14.33

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	98
2	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	97
3	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	97
4	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	97
5	Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	97





Library Search Compound Report

Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA M\DATA\BM121317\
Data File : BM013385.D
Acq On : 13 Dec 2017 21:58
Operator : SJ/JU
Sample : I6759-12ME
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F9A20ME

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM113017.M
Quant Title : SVOA CALIBRATION

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

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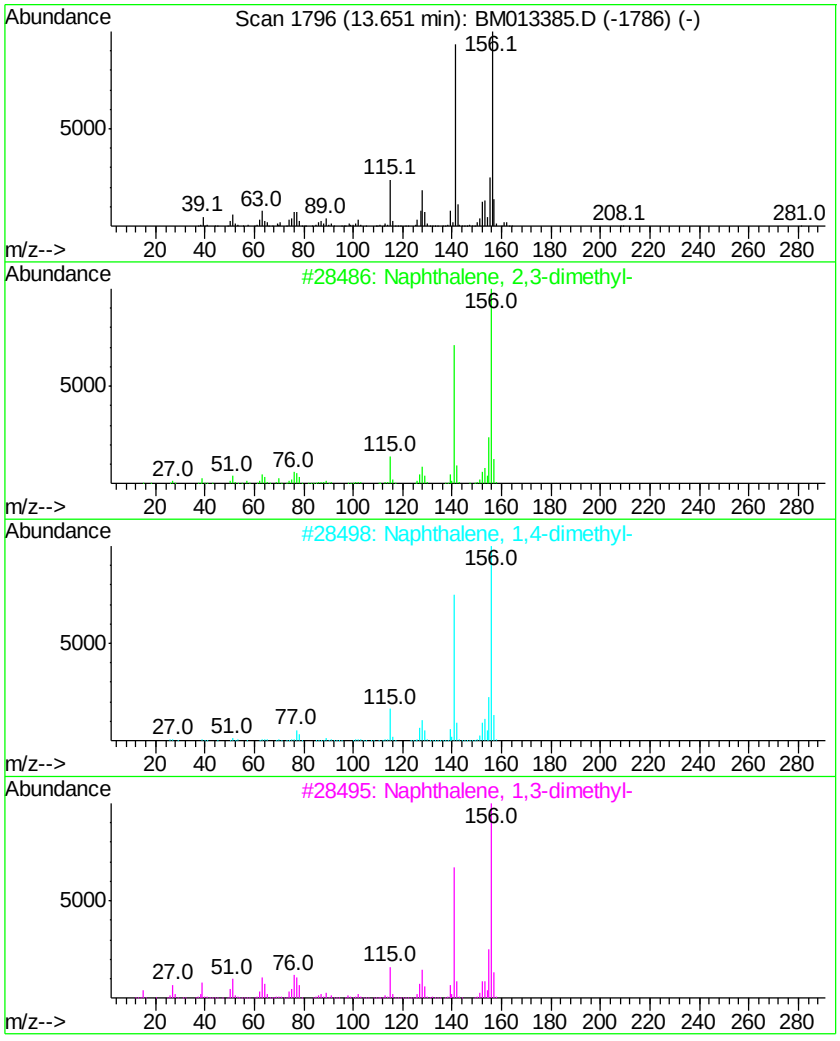
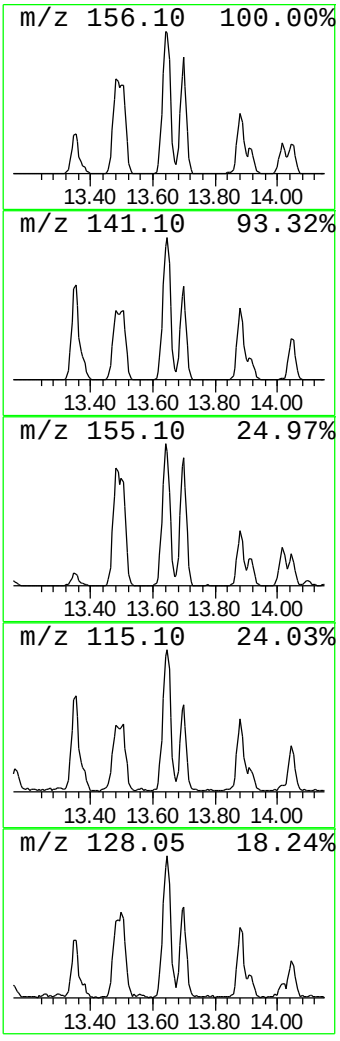
Peak Number 4 Naphthalene, 2,3-dimethyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.65	25.23 ng/ul	3442410	Acenaphthene-d10	14.33

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	97
2	Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	96
3	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	96
4	Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	96
5	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	95





Library Search Compound Report

Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA M\DATA\BM121317\
Data File : BM013385.D
Acq On : 13 Dec 2017 21:58
Operator : SJ/JU
Sample : I6759-12ME
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F9A20ME

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM113017.M
Quant Title : SVOA CALIBRATION

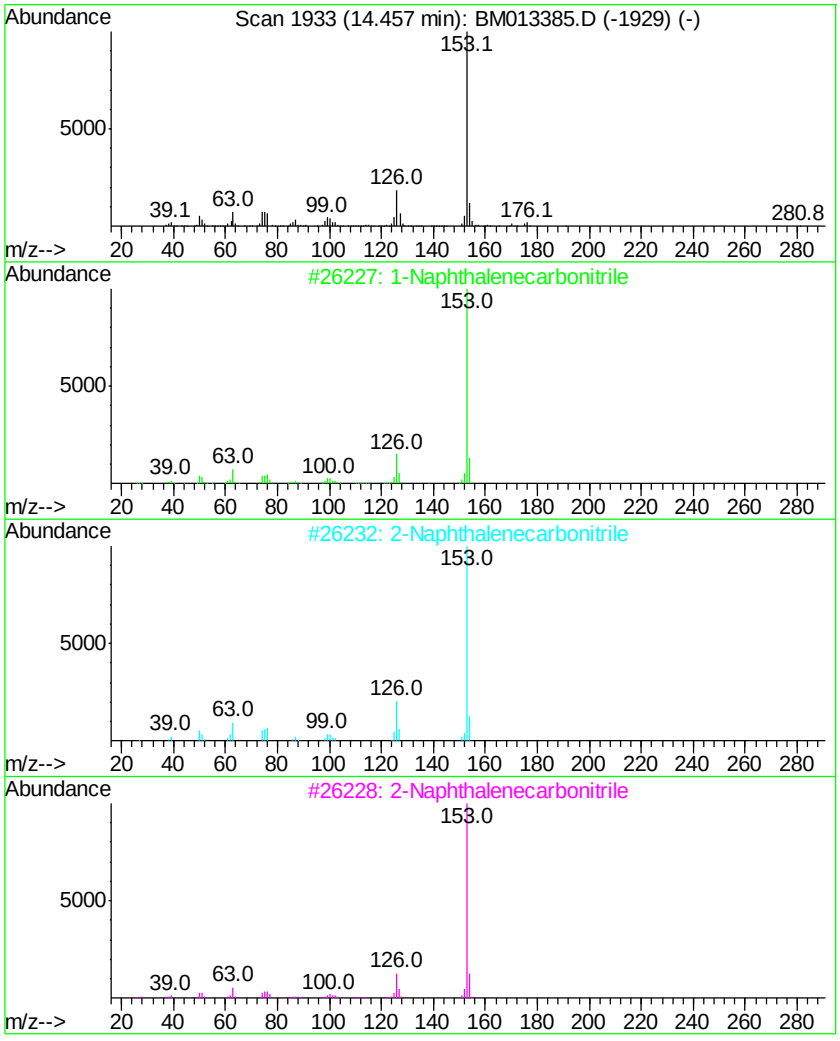
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

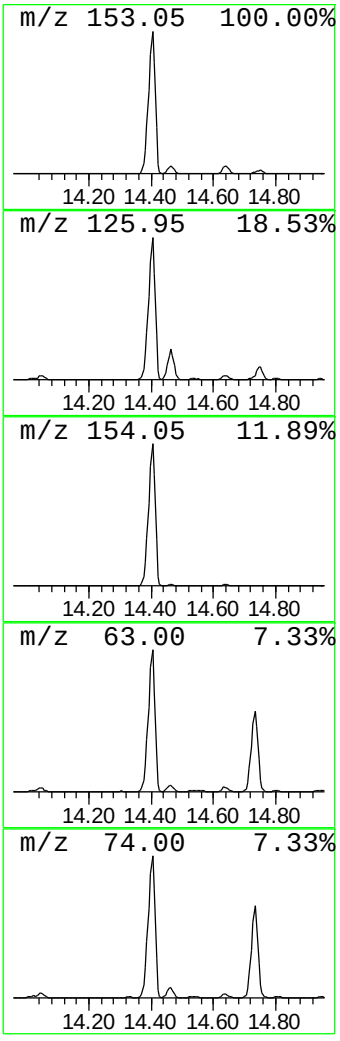
****

Peak Number 6 1-Naphthalenecarbonitrile Concentration Rank 26

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.46	10.18 ng/ul	1389530	Acenaphthene-d10	14.33

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Naphthalenecarbonitrile	153	C11H7N	000086-53-3	94
2	2-Naphthalenecarbonitrile	153	C11H7N	000613-46-7	94
3	2-Naphthalenecarbonitrile	153	C11H7N	000613-46-7	91
4	2-Naphthalenecarbonitrile	153	C11H7N	000613-46-7	90
5	1-Naphthalenecarbonitrile	153	C11H7N	000086-53-3	90





Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA M\DATA\BM121317\
Data File : BM013385.D
Acq On : 13 Dec 2017 21:58
Operator : SJ/JU
Sample : I6759-12ME
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F9A20ME

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM113017.M
Quant Title : SVOA CALIBRATION

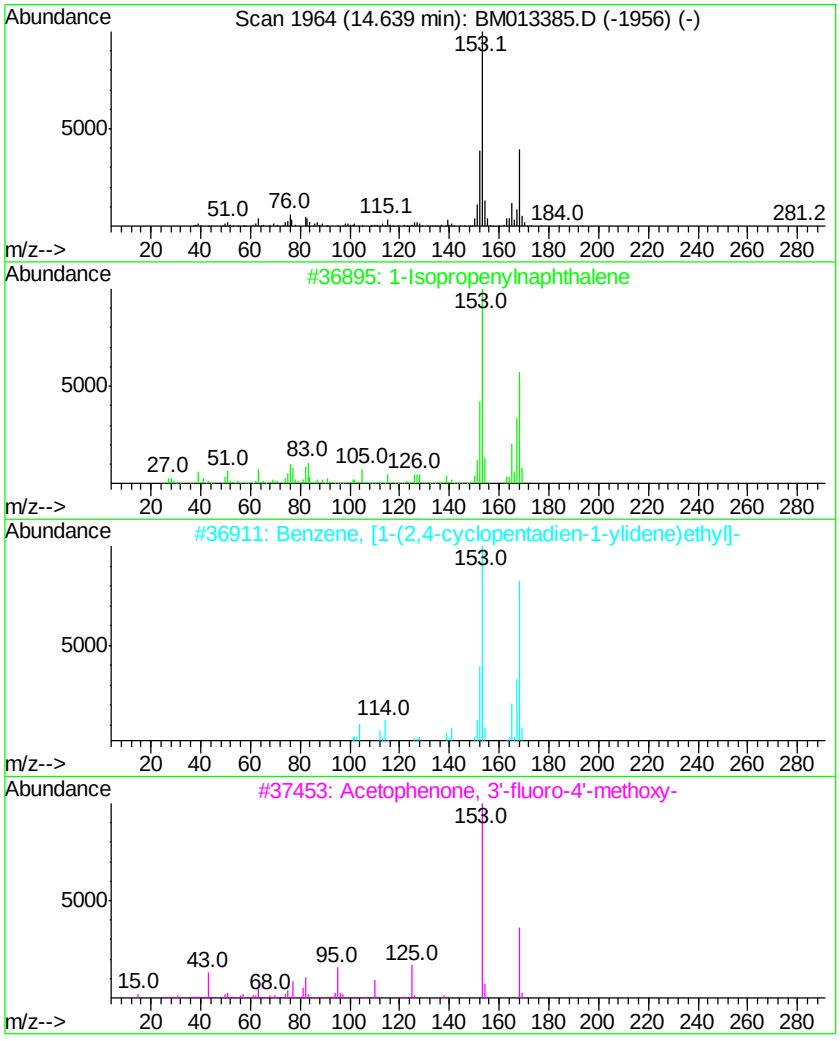
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

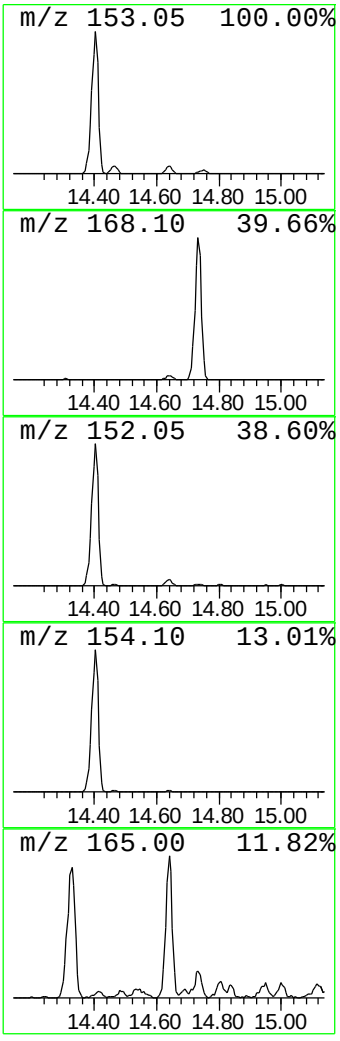
****

Peak Number 7 1-Isopropenylnaphthalene Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.64	15.81 ng/ul	2157560	Acenaphthene-d10	14.33

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Isopropenylnaphthalene	168	C13H12	001855-47-6	90
2	Benzene, [1-(2,4-cyclopentadien-...	168	C13H12	002320-32-3	78
3	Acetophenone, 3'-fluoro-4'-methoxy-	168	C9H9FO2	000455-91-4	50
4	Ethanone, 1-(2,4,6-trihydroxyphe...	168	C8H8O4	000480-66-0	50
5	Ethanone, 1-(2,4,6-trihydroxyphe...	168	C8H8O4	000480-66-0	50





Library Search Compound Report

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Sample : I6759-12ME
Misc :
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Instrument : BNA_M
ClientSampleId : F9A20ME

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Quant Title : SVOA CALIBRATION

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

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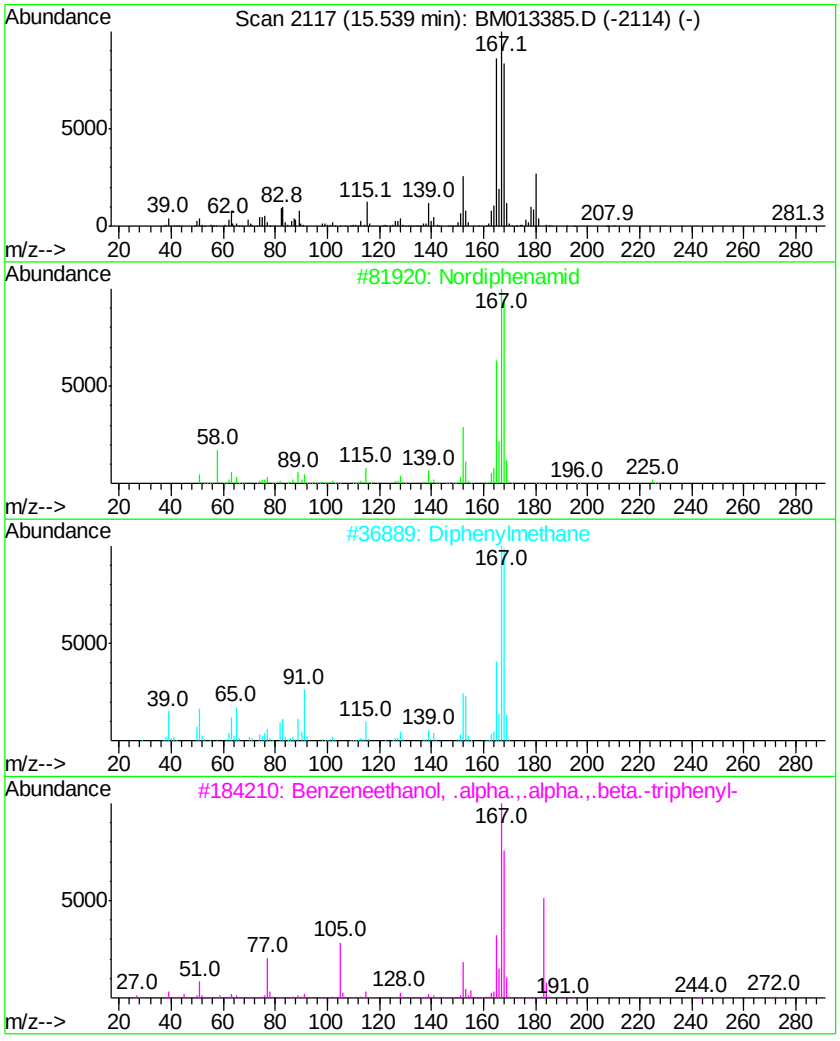
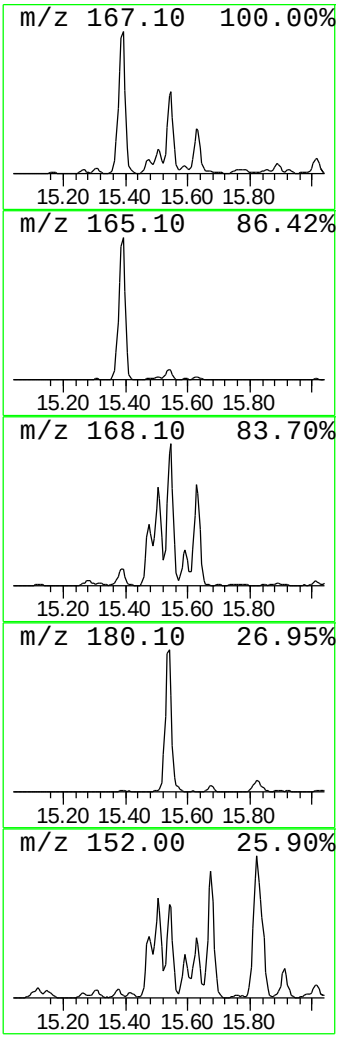
Peak Number 8 Nordiphenamid Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.54	31.45 ng/ul	4291700	Acenaphthene-d10	14.33

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Nordiphenamid	225	C15H15NO	000954-21-2	72
2	Diphenylmethane	168	C13H12	000101-81-5	60
3	Benzeneethanol, .alpha.,.alpha.,...	350	C26H22O	000981-24-8	53
4	1,1'-Biphenyl, 2-methyl-	168	C13H12	000643-58-3	49
5	Diphenylmethane	168	C13H12	000101-81-5	49





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Instrument : BNA_M
ClientSampleId : F9A20ME

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Quant Title : SVOA CALIBRATION

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

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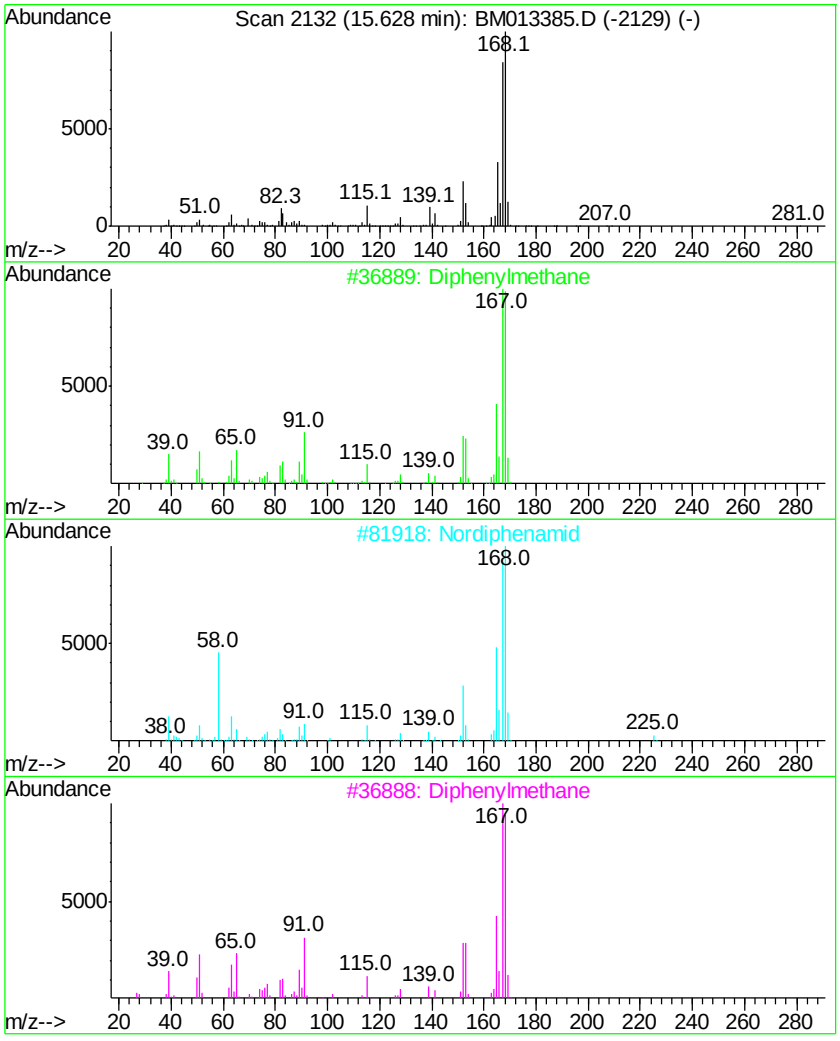
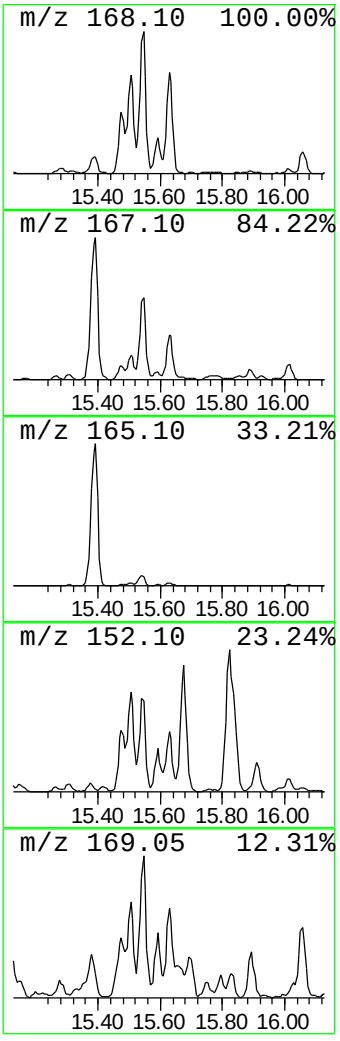
Peak Number 9 Diphenylmethane Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.63	15.65 ng/ul	2135120	Acenaphthene-d10	14.33

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Diphenylmethane	168	C13H12	000101-81-5	91
2	Nordiphenamid	225	C15H15NO	000954-21-2	90
3	Diphenylmethane	168	C13H12	000101-81-5	87
4	1,1-Diphenyl-2-propanol	212	C15H16O	029338-49-6	83
5	1,1'-Biphenyl, 2-methyl-	168	C13H12	000643-58-3	81





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Misc :
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Instrument : BNA_M
ClientSampleId : F9A20ME

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM113017.M
Quant Title : SVOA CALIBRATION

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

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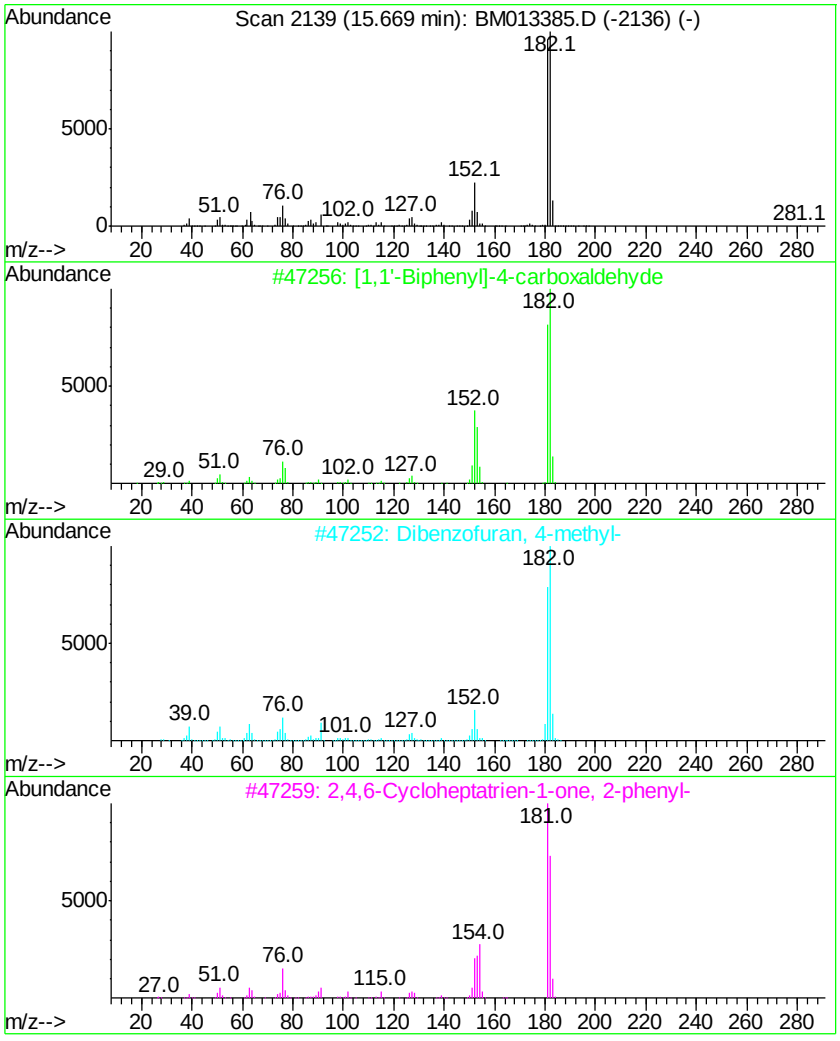
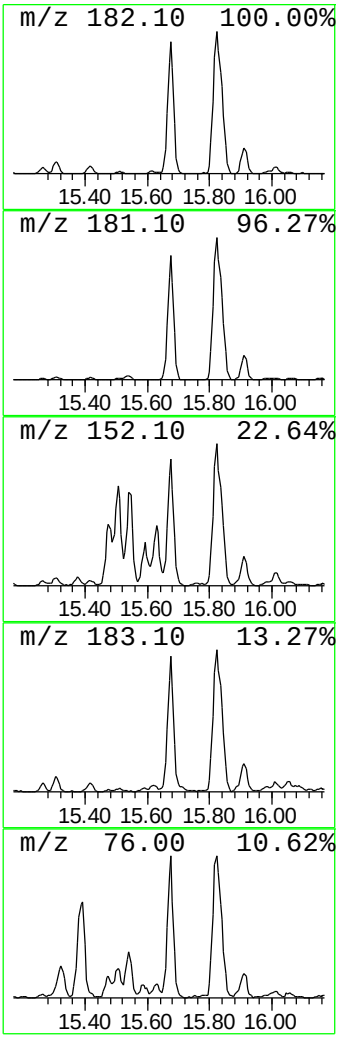
Peak Number 10 [1,1'-Biphenyl]-4-carboxald... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.67	33.64 ng/ul	4590420	Acenaphthene-d10	14.33

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	[1,1'-Biphenyl]-4-carboxaldehyde	182	C13H10O	003218-36-8	91
2	Dibenzofuran, 4-methyl-	182	C13H10O	007320-53-8	87
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	78
5	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	78





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Misc :
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Instrument : BNA_M
ClientSampleId : F9A20ME

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM113017.M
Quant Title : SVOA CALIBRATION

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

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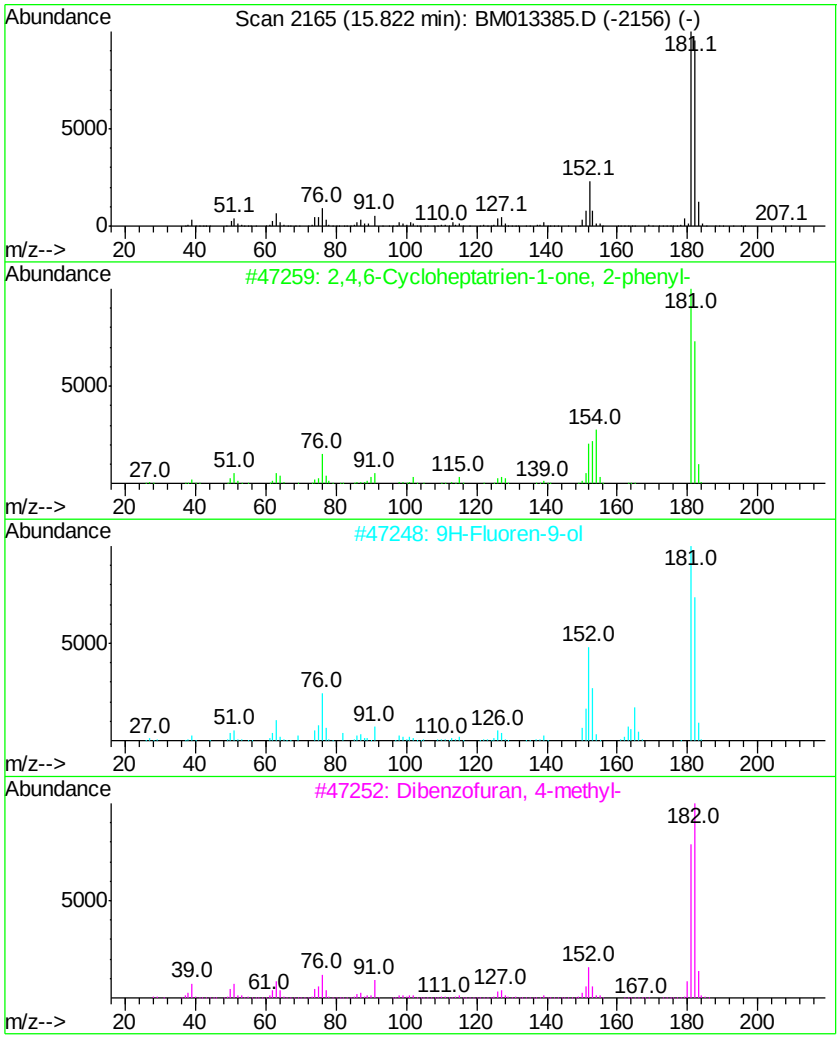
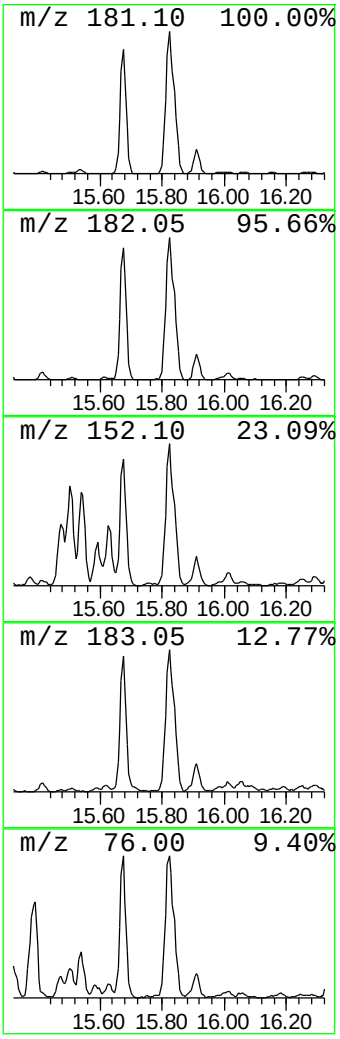
Peak Number 11 2,4,6-Cycloheptatrien-1-one... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.82	55.16 ng/ul	6877790	Phenanthrene-d10	17.09

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2,4,6-Cycloheptatrien-1-one, 2-p...	182	C13H10O	014562-09-5	87
2	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	86
3	Dibenzofuran, 4-methyl-	182	C13H10O	007320-53-8	83
4	[1,1'-Biphenyl]-4-carboxaldehyde	182	C13H10O	003218-36-8	78
5	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	78





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Misc :
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Instrument : BNA_M
ClientSampleId : F9A20ME

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Quant Title : SVOA CALIBRATION

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

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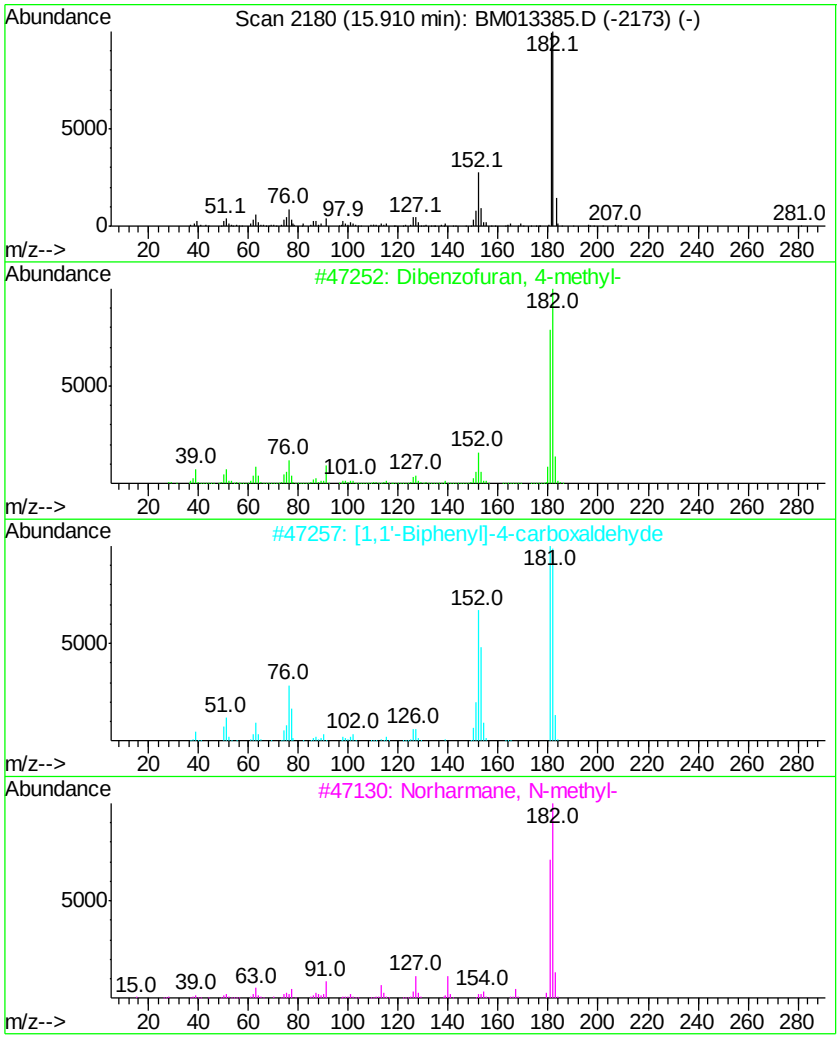
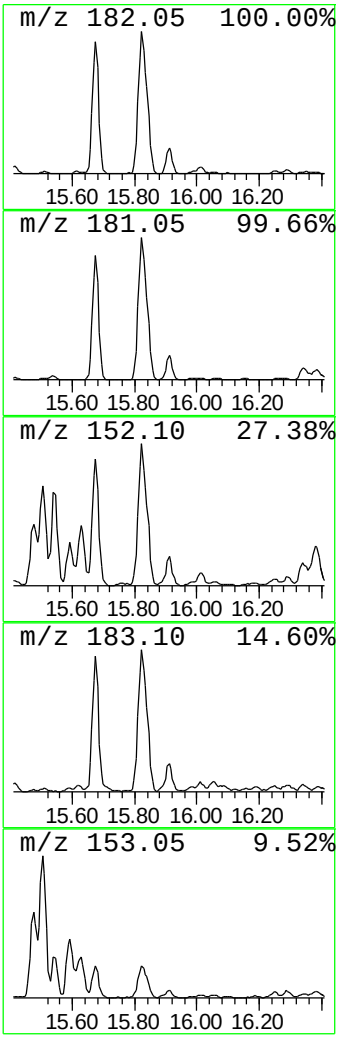
Peak Number 12 Dibenzofuran, 4-methyl- Concentration Rank 25

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.91	11.42 ng/ul	1423410	Phenanthrene-d10	17.09

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzofuran, 4-methyl-	182	C13H10O	007320-53-8	91
2	[1,1'-Biphenyl]-4-carboxaldehyde	182	C13H10O	003218-36-8	78
3	Norharmane, N-methyl-	182	C12H10N2	1000374-78-6	72
4	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	72
5	2,4,6-Cycloheptatrien-1-one, 2-p...	182	C13H10O	014562-09-5	72





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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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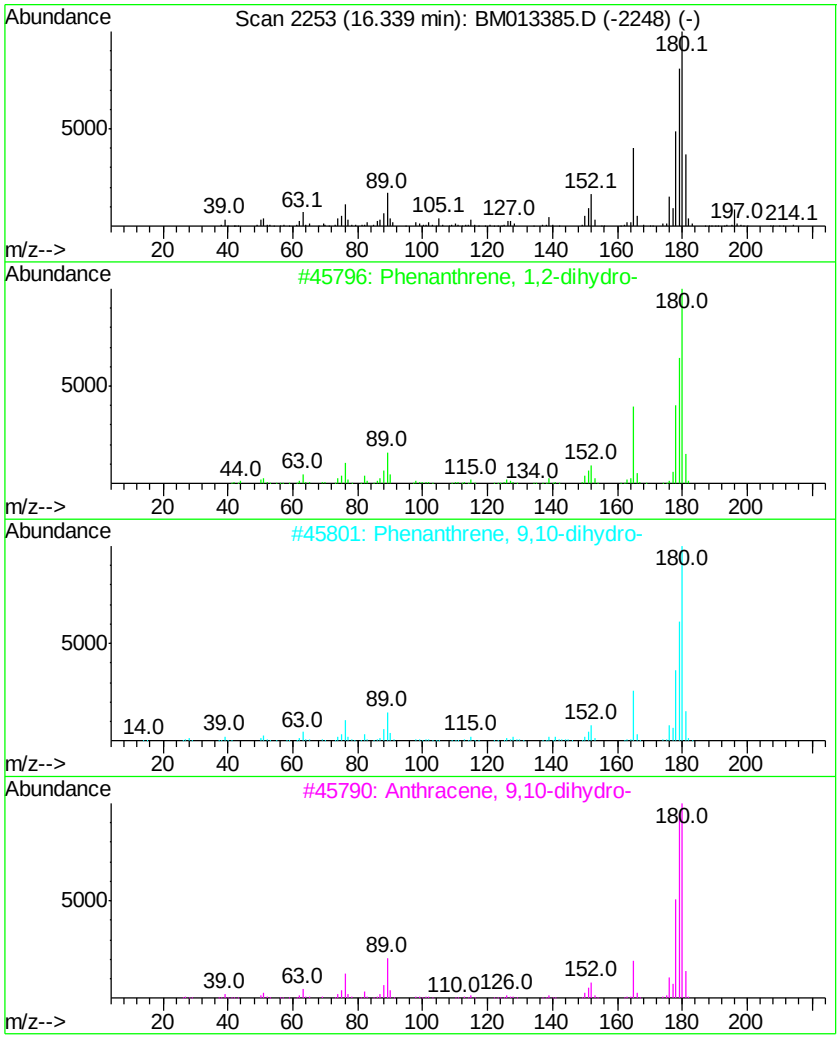
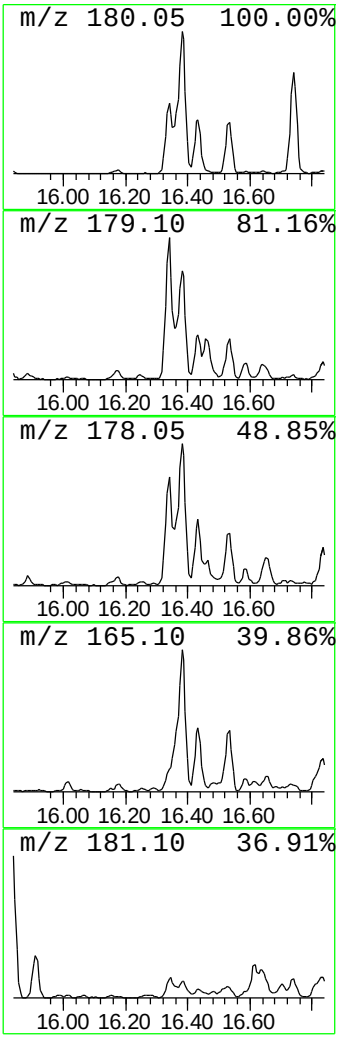
Peak Number 13 Phenanthrene, 1,2-dihydro- Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.34	11.98 ng/ul	1493760	Phenanthrene-d10	17.09

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1,2-dihydro-	180	C14H12	056179-83-0	95
2	Phenanthrene, 9,10-dihydro-	180	C14H12	000776-35-2	94
3	Anthracene, 9,10-dihydro-	180	C14H12	000613-31-0	93
4	(E)-Stilbene	180	C14H12	000103-30-0	93
5	Anthracene, 9,10-dihydro-	180	C14H12	000613-31-0	91





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Misc :
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Instrument : BNA_M
ClientSampleId : F9A20ME

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Quant Title : SVOA CALIBRATION

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

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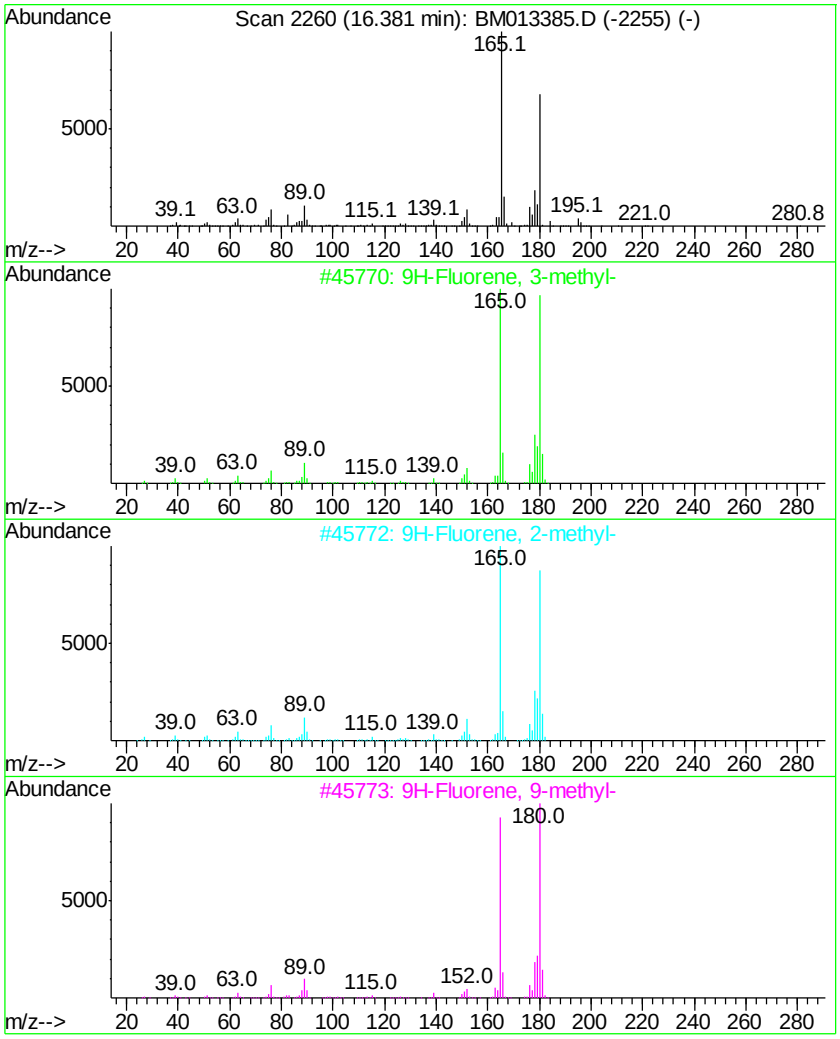
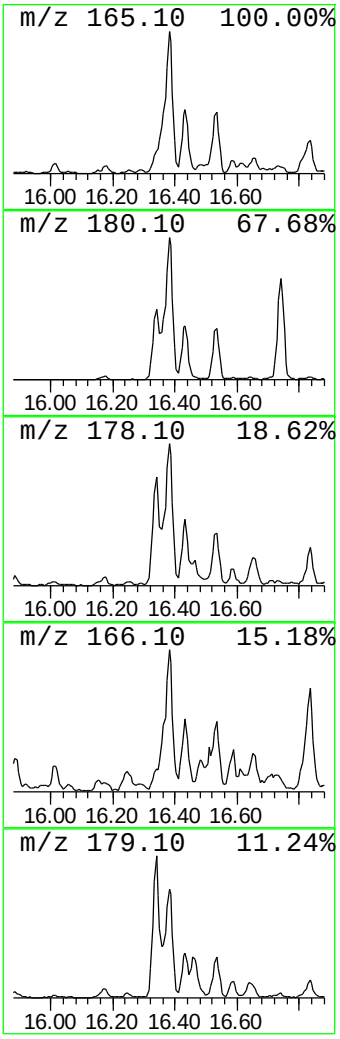
Peak Number 14 9H-Fluorene, 3-methyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.38	30.20 ng/ul	3764910	Phenanthrene-d10	17.09

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluorene, 3-methyl-	180	C14H12	002523-39-9	93
2	9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	64
3	9H-Fluorene, 9-methyl-	180	C14H12	002523-37-7	64
4	4a,9a-Methano-9H-fluorene	180	C14H12	019540-84-2	59
5	9H-Fluorene, 9-methyl-	180	C14H12	002523-37-7	59





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Quant Title : SVOA CALIBRATION

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

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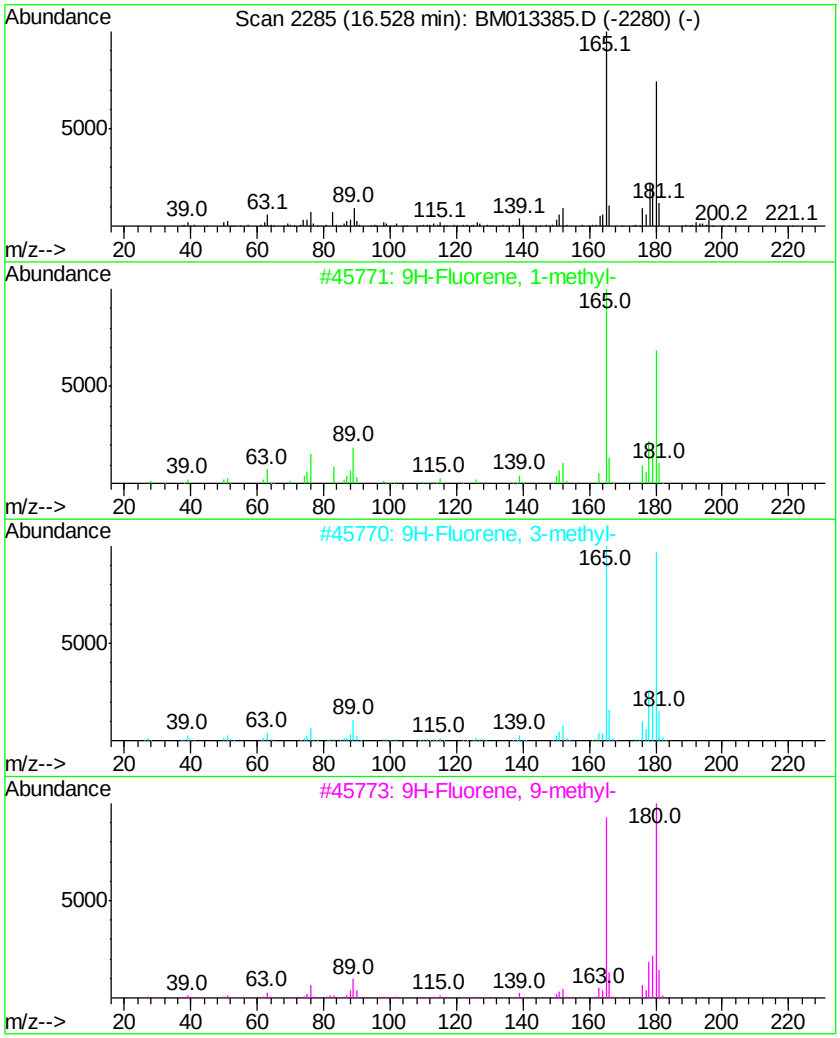
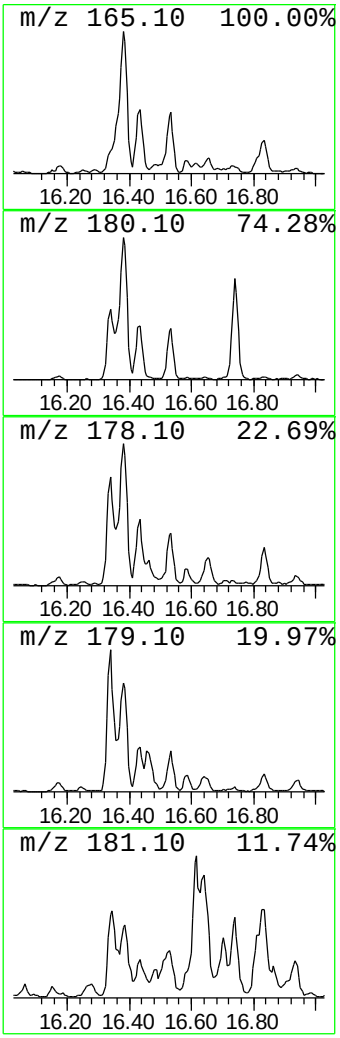
Peak Number 15 9H-Fluorene, 1-methyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.53	12.96 ng/ul	1615700	Phenanthrene-d10	17.09

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	95
2	9H-Fluorene, 3-methyl-	180	C14H12	002523-39-9	81
3	9H-Fluorene, 9-methyl-	180	C14H12	002523-37-7	81
4	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	64
5	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	60





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Quant Title : SVOA CALIBRATION

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

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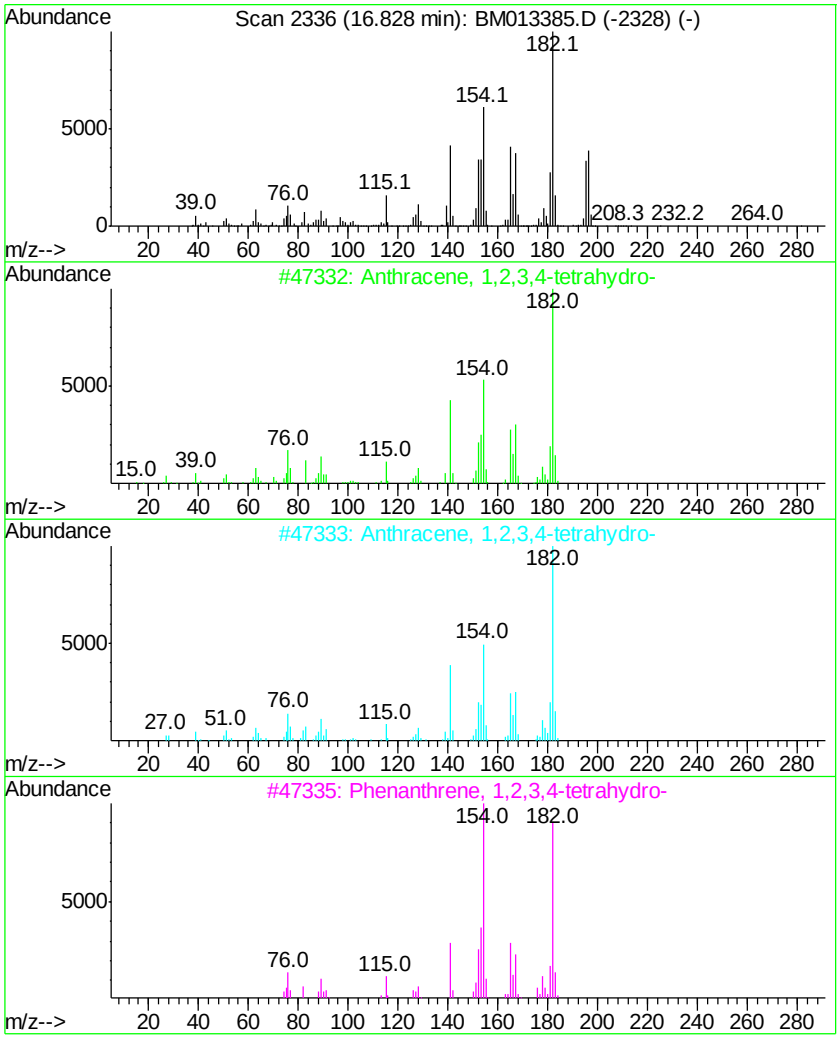
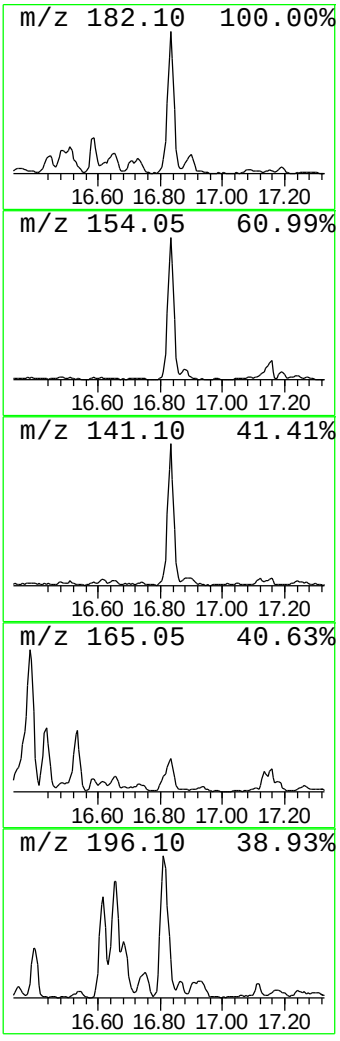
Peak Number 16 Anthracene, 1,2,3,4-tetrahy... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.83	39.25 ng/ul	4893560	Phenanthrene-d10	17.09

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 1,2,3,4-tetrahydro-	182	C14H14	002141-42-6	98
2	Anthracene, 1,2,3,4-tetrahydro-	182	C14H14	002141-42-6	93
3	Phenanthrene, 1,2,3,4-tetrahydro-	182	C14H14	001013-08-7	62
4	Phenanthrene, 1,2,3,4-tetrahydro-	182	C14H14	001013-08-7	62
5	3,3'-Dimethylbiphenyl	182	C14H14	000612-75-9	55





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

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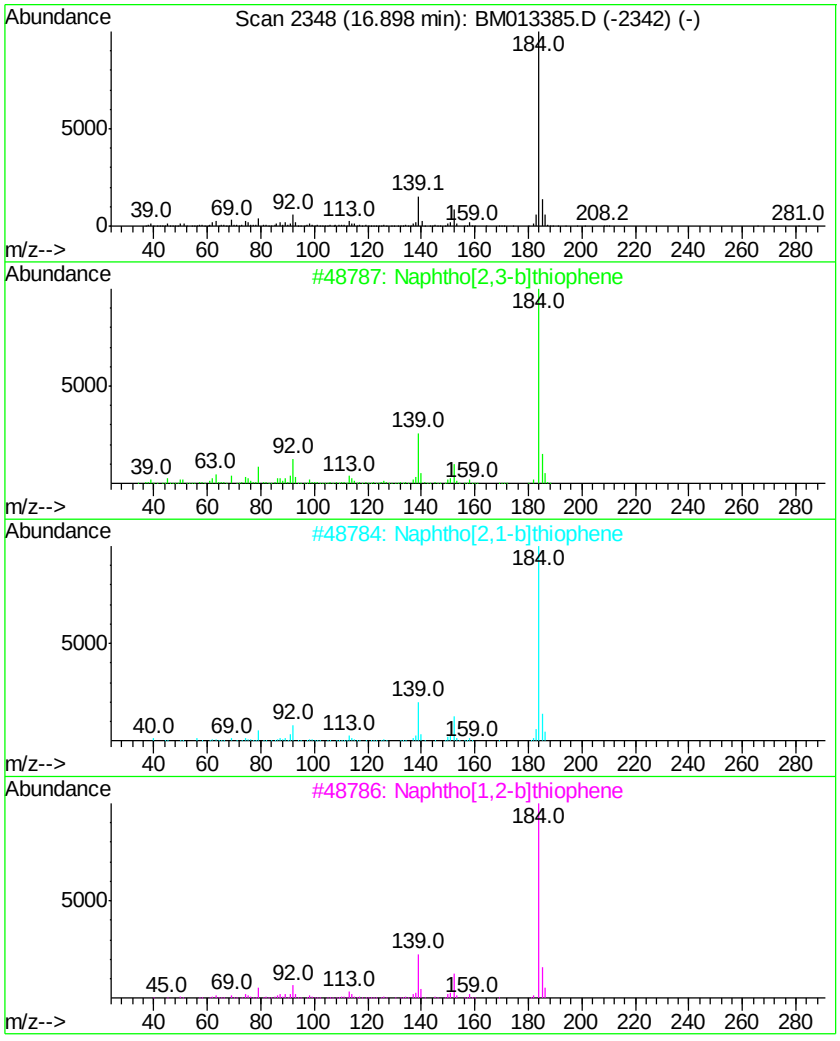
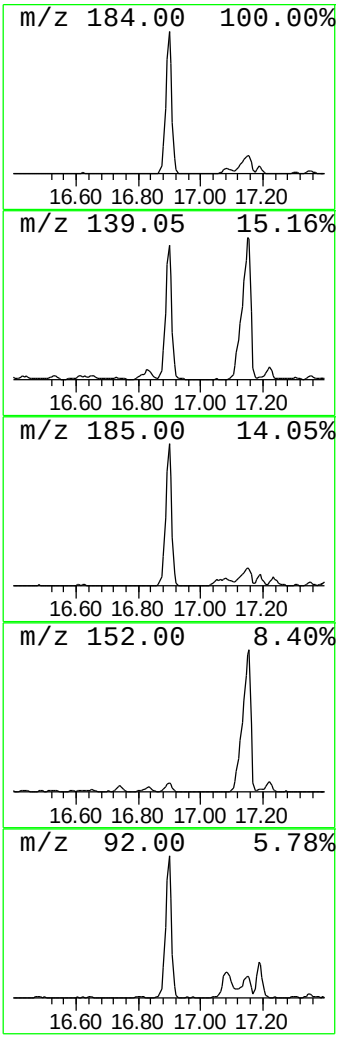
Peak Number 17 Naphtho[2,3-b]thiophene Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.90	61.31 ng/ul	7644810	Phenanthrene-d10	17.09

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	95
2	Naphtho[2,1-b]thiophene	184	C12H8S	000233-02-3	95
3	Naphtho[1,2-b]thiophene	184	C12H8S	000234-41-3	95
4	Dibenzothiophene	184	C12H8S	000132-65-0	95
5	Dibenzothiophene	184	C12H8S	000132-65-0	94





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ClientSampleId : F9A20ME

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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 Dibenzo[a,e]cyclooctene Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.60	16.43 ng/ul	2048220	Phenanthrene-d10	17.09

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzo[a,e]cyclooctene	204	C16H12	000262-89-5	96
2	Cyclobuta[1'',2'':3,4:3'',4'':3'...	204	C16H12	006574-36-3	95
3	Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	93
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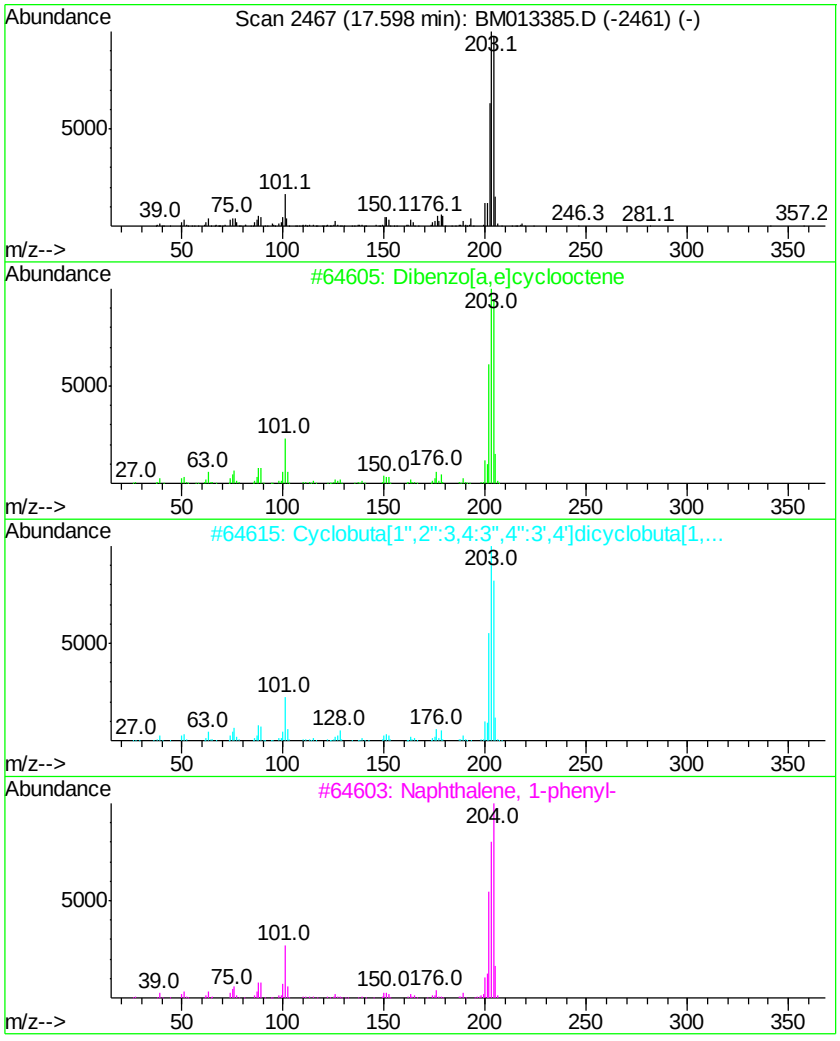

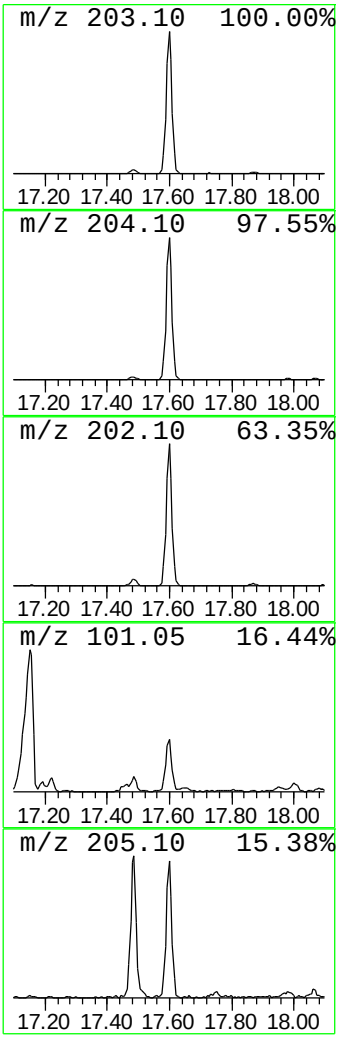

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Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F9A20ME

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Quant Title : SVOA CALIBRATION

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

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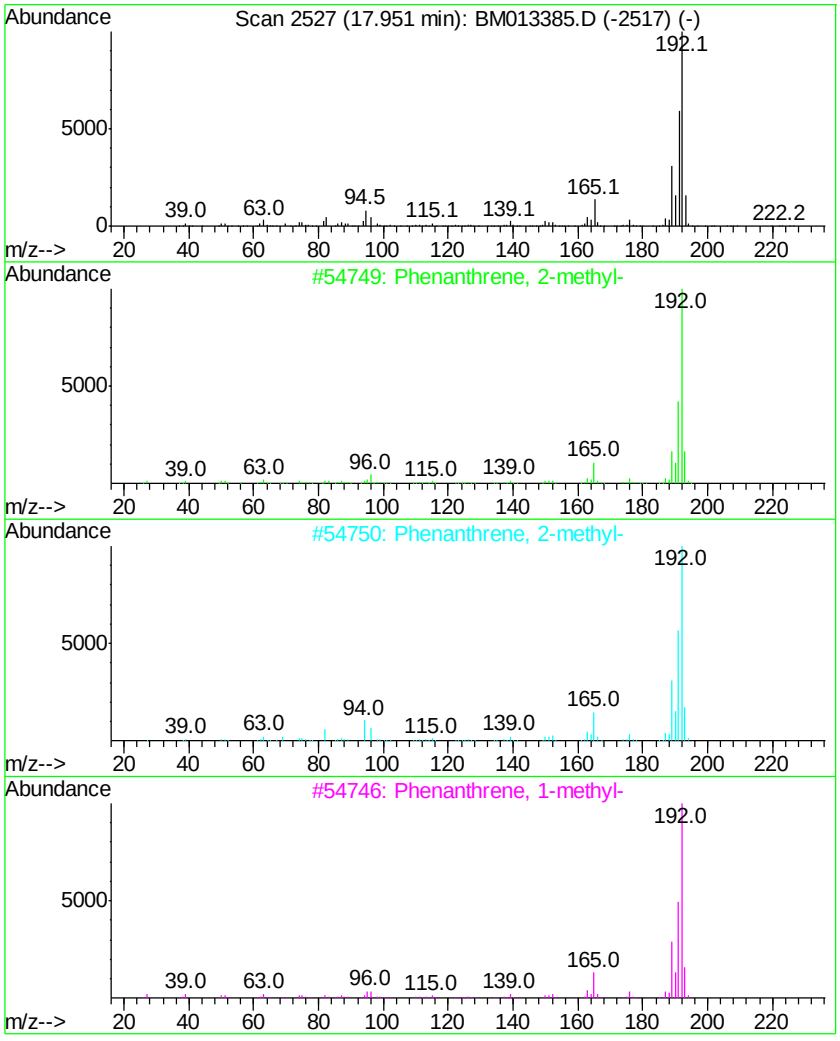
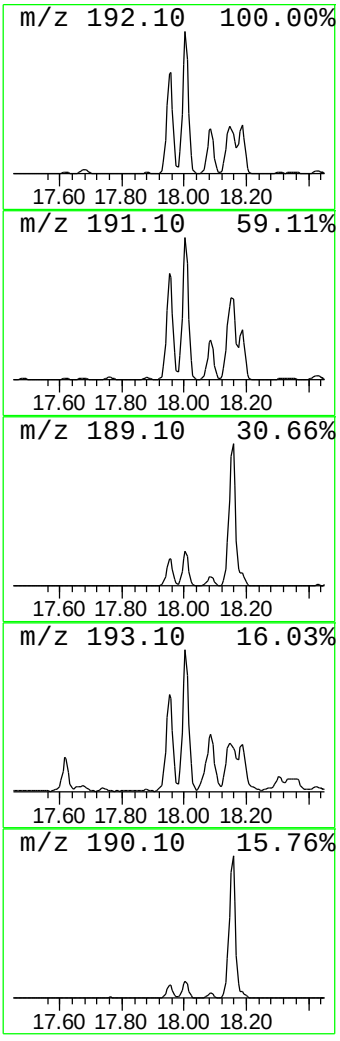
Peak Number 19 Phenanthrene, 2-methyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.95	66.57 ng/ul	8299760	Phenanthrene-d10	17.09

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
4	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	95
5	Anthracene, 2-methyl-	192	C15H12	000613-12-7	95





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Sample : I6759-12ME
Misc :
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Instrument : BNA_M
ClientSampleId : F9A20ME

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Quant Title : SVOA CALIBRATION

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

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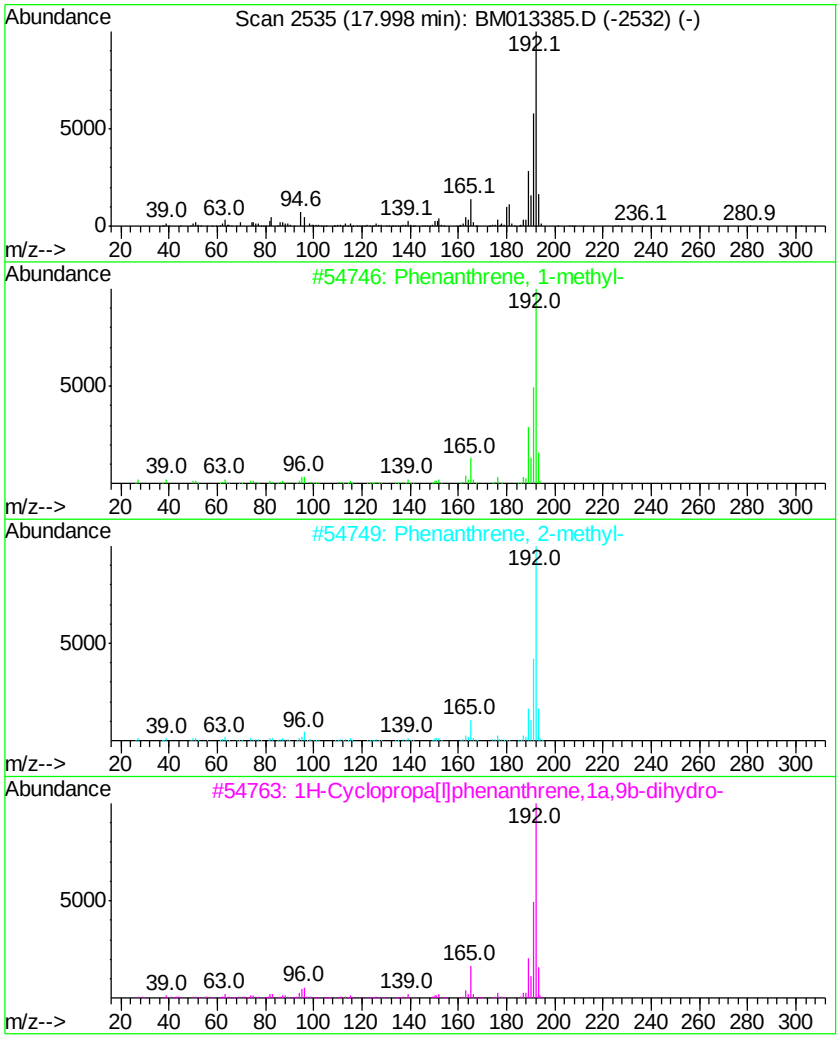
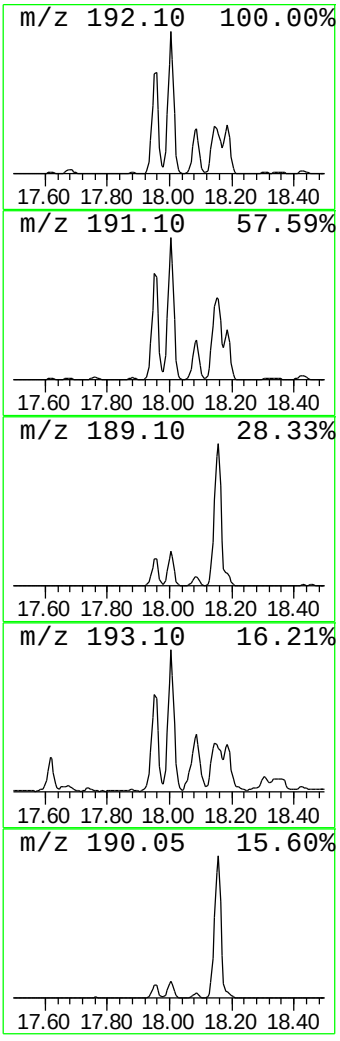
Peak Number 20 Phenanthrene, 1-methyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.00	85.81 ng/ul	10699800	Phenanthrene-d10	17.09

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





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ClientSampleId : F9A20ME

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Quant Title : SVOA CALIBRATION

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

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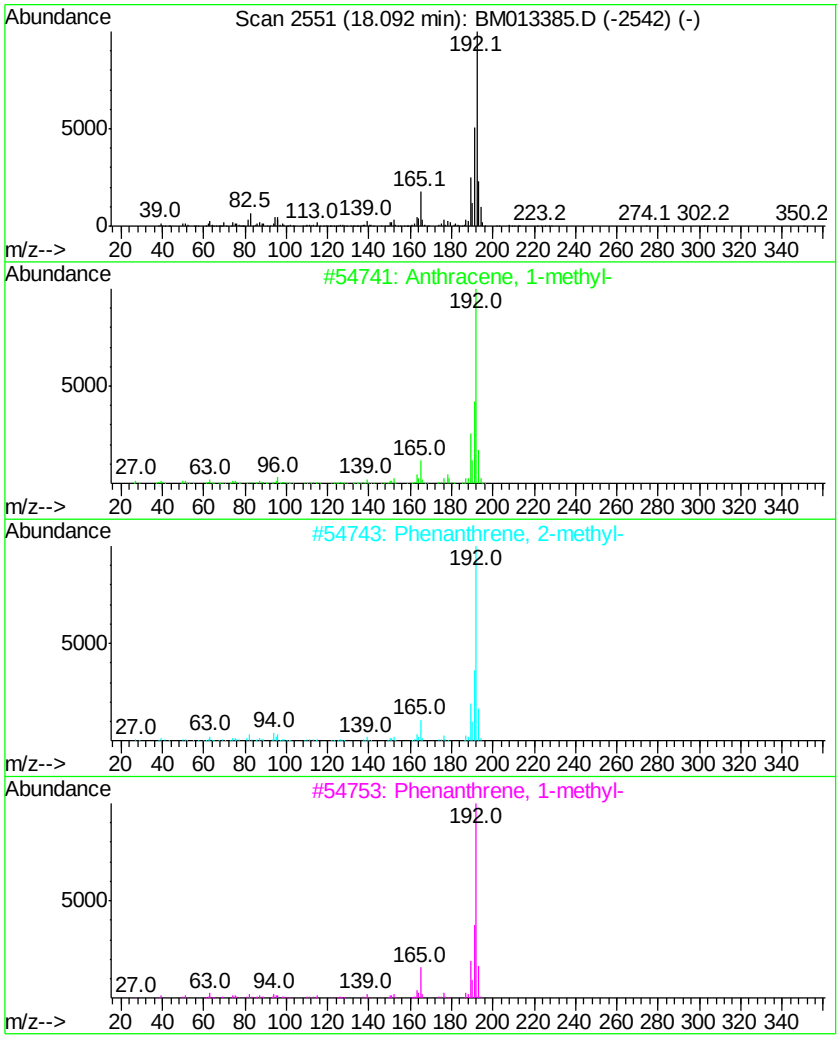
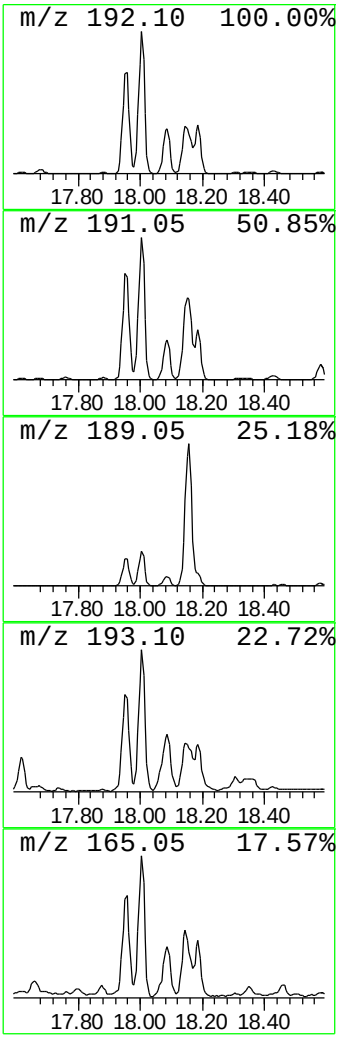
Peak Number 21 Anthracene, 1-methyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.09	31.52 ng/ul	3929840	Phenanthrene-d10	17.09

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 1-methyl-	192	C15H12	000610-48-0	96
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
4	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
5	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96





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Instrument : BNA_M
ClientSampleId : F9A20ME

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Quant Title : SVOA CALIBRATION

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

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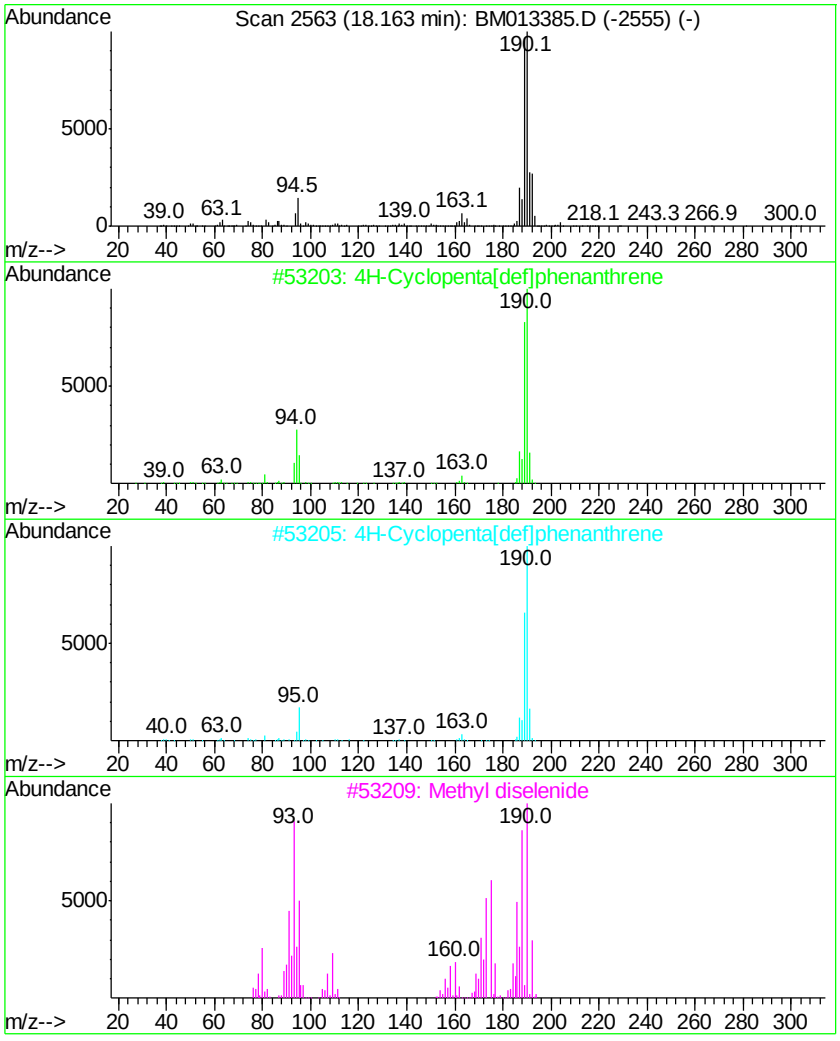
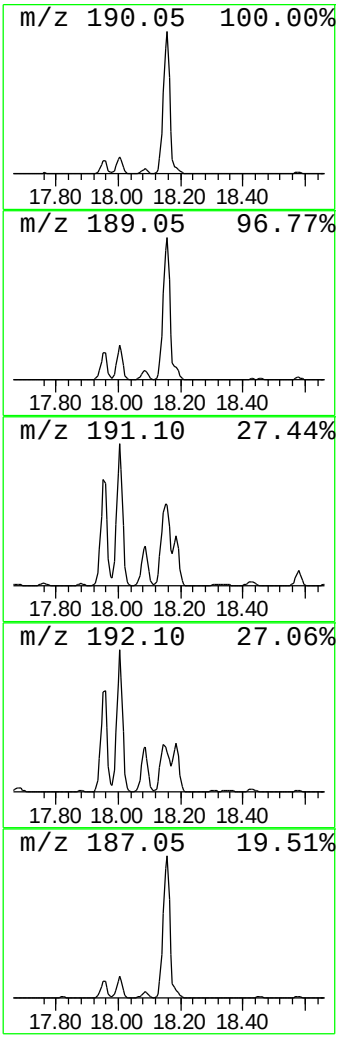
Peak Number 22 4H-Cyclopenta[def]phenanthrene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.16	135.83 ng/ul	16935700	Phenanthrene-d10	17.09

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	64
3	Methyl diselenide	190	C2H6Se2	007101-31-7	55
4	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	55
5	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	50





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Instrument : BNA_M
ClientSampleId : F9A20ME

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Quant Title : SVOA CALIBRATION

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

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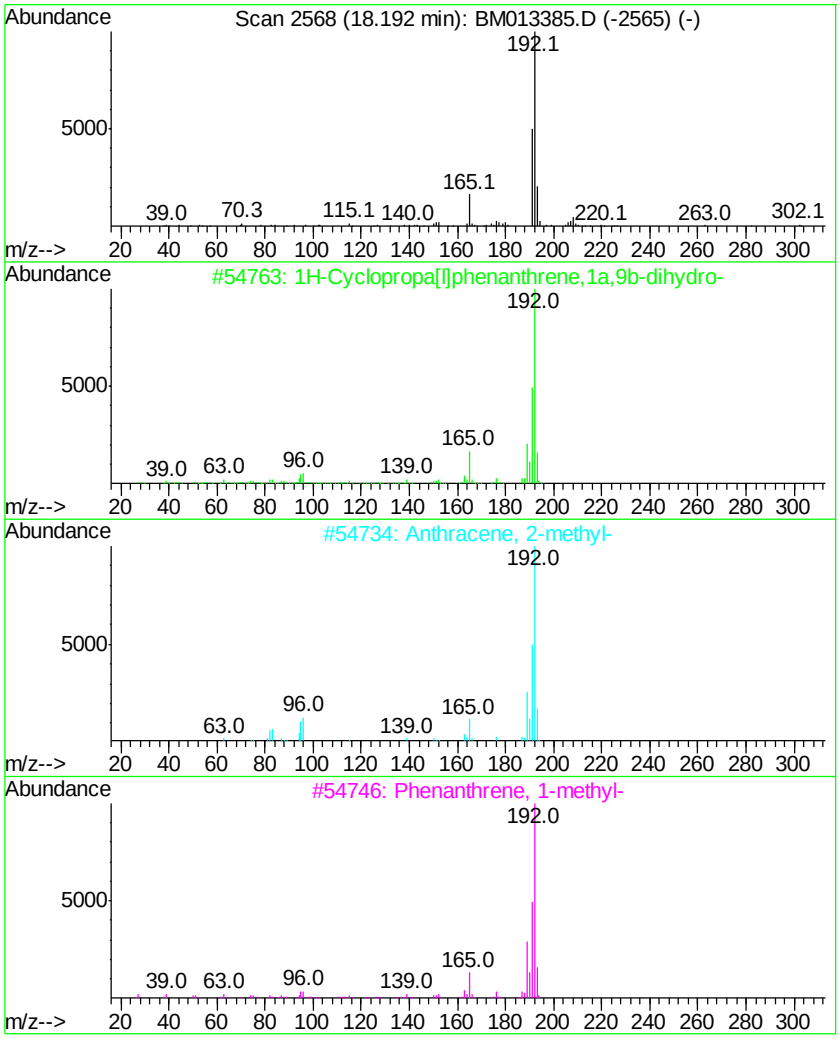
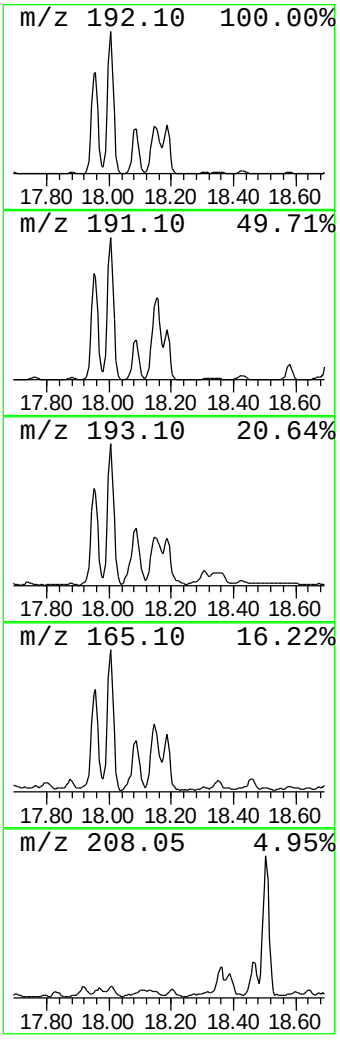
Peak Number 23 1H-Cyclopropa[l]phenanthren... Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.19	22.05 ng/ul	2749000	Phenanthrene-d10	17.09

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	90
2	Anthracene, 2-methyl-	192	C15H12	000613-12-7	90
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	90
4	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	90
5	Anthracene, 2-methyl-	192	C15H12	000613-12-7	90





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Quant Title : SVOA CALIBRATION

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

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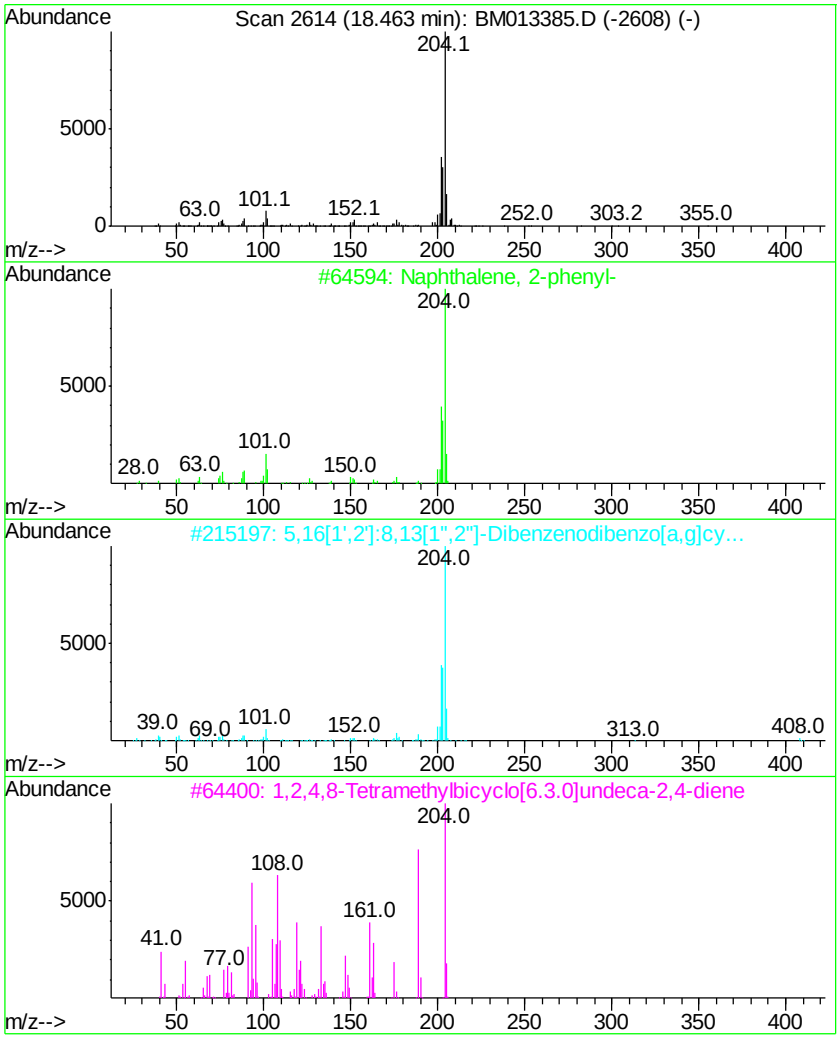
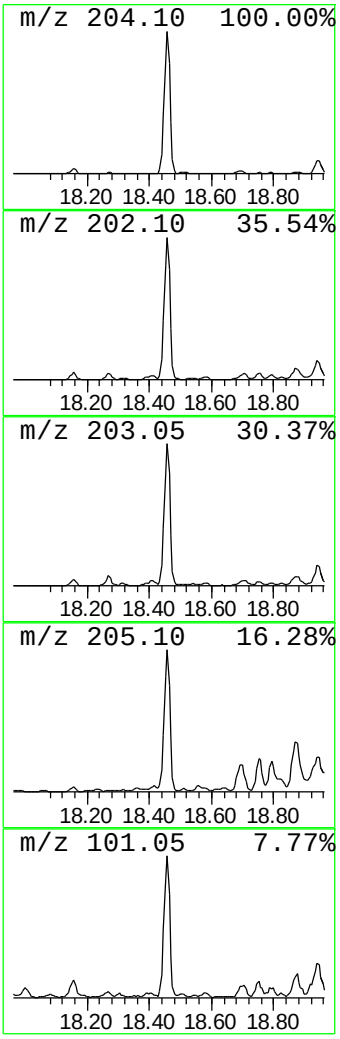
Peak Number 24 Naphthalene, 2-phenyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.46	41.05 ng/ul	5118060	Phenanthrene-d10	17.09

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	89
2	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	87
3	1,2,4,8-Tetramethylbicyclo[6.3.0...	204	C15H24	137235-51-9	86
4	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	76
5	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	76





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

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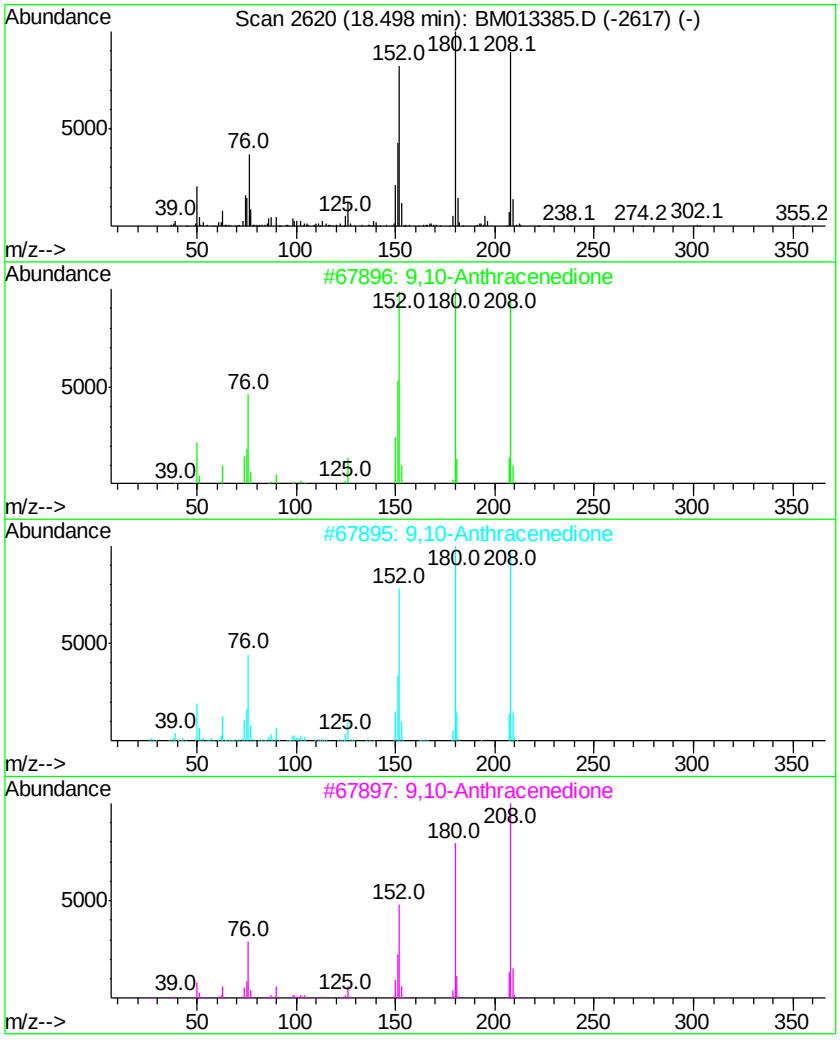
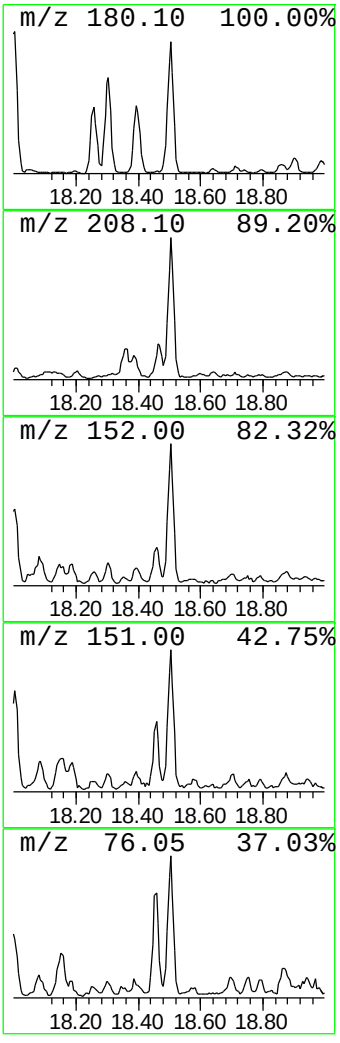
Peak Number 25 9,10-Anthracenedione Concentration Rank 23

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.50	11.70 ng/ul	1459090	Phenanthrene-d10	17.09

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Anthracenedione	208	C14H8O2	000084-65-1	96
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	86
5	9H-Fluoren-9-one	180	C13H8O	000486-25-9	83





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Quant Title : SVOA CALIBRATION

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

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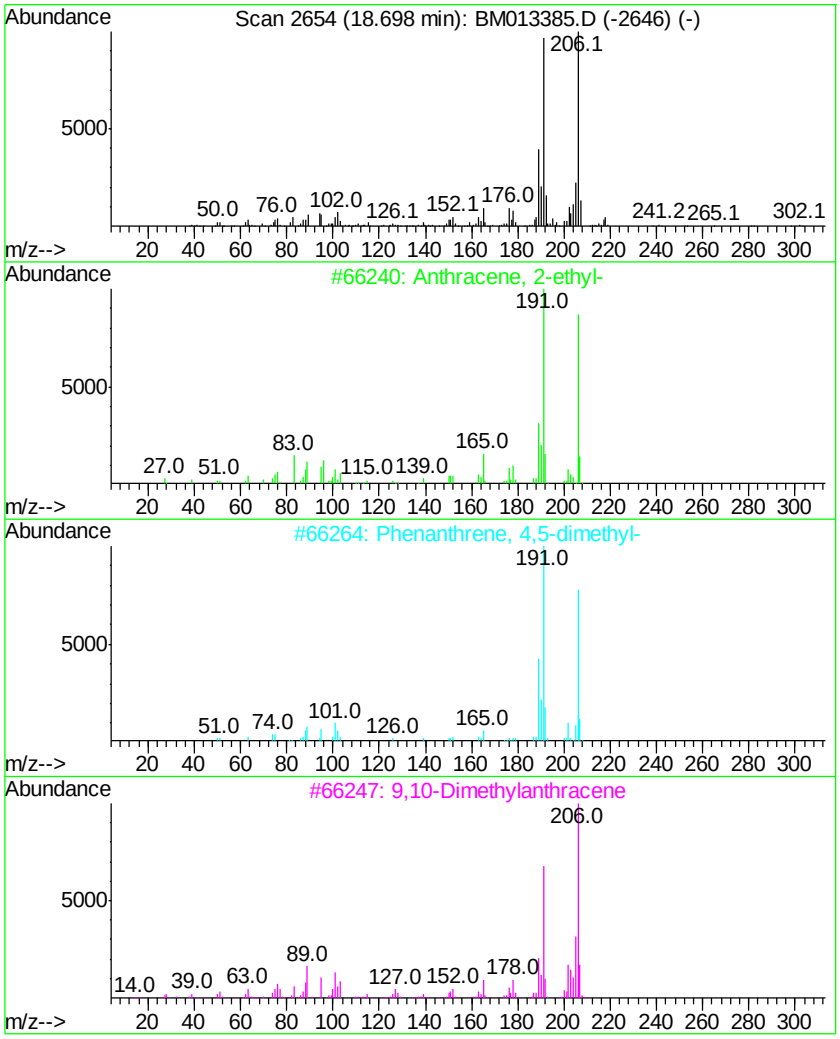
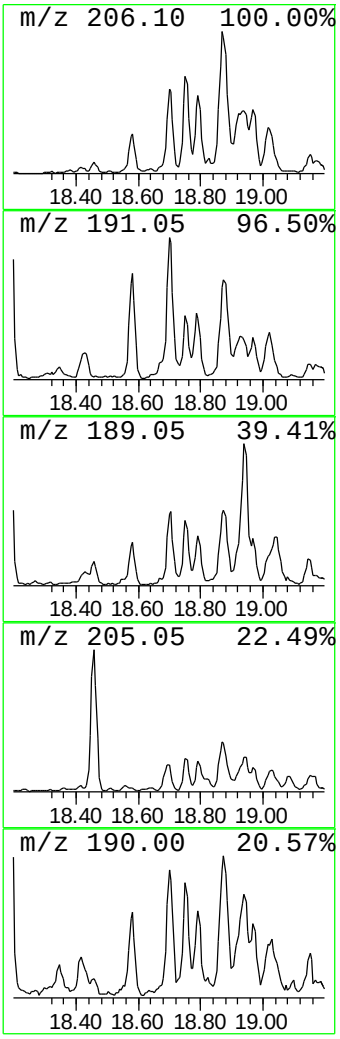
Peak Number 26 Anthracene, 2-ethyl- Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.70	12.42 ng/ul	1548900	Phenanthrene-d10	17.09

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 2-ethyl-	206	C16H14	052251-71-5	93
2	Phenanthrene, 4,5-dimethyl-	206	C16H14	003674-69-9	90
3	9,10-Dimethylanthracene	206	C16H14	000781-43-1	87
4	Phenanthrene, 4,5-dimethyl-	206	C16H14	003674-69-9	80
5	9,10-Dimethylanthracene	206	C16H14	000781-43-1	80





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TIC Integration Parameters: LSCINT.P

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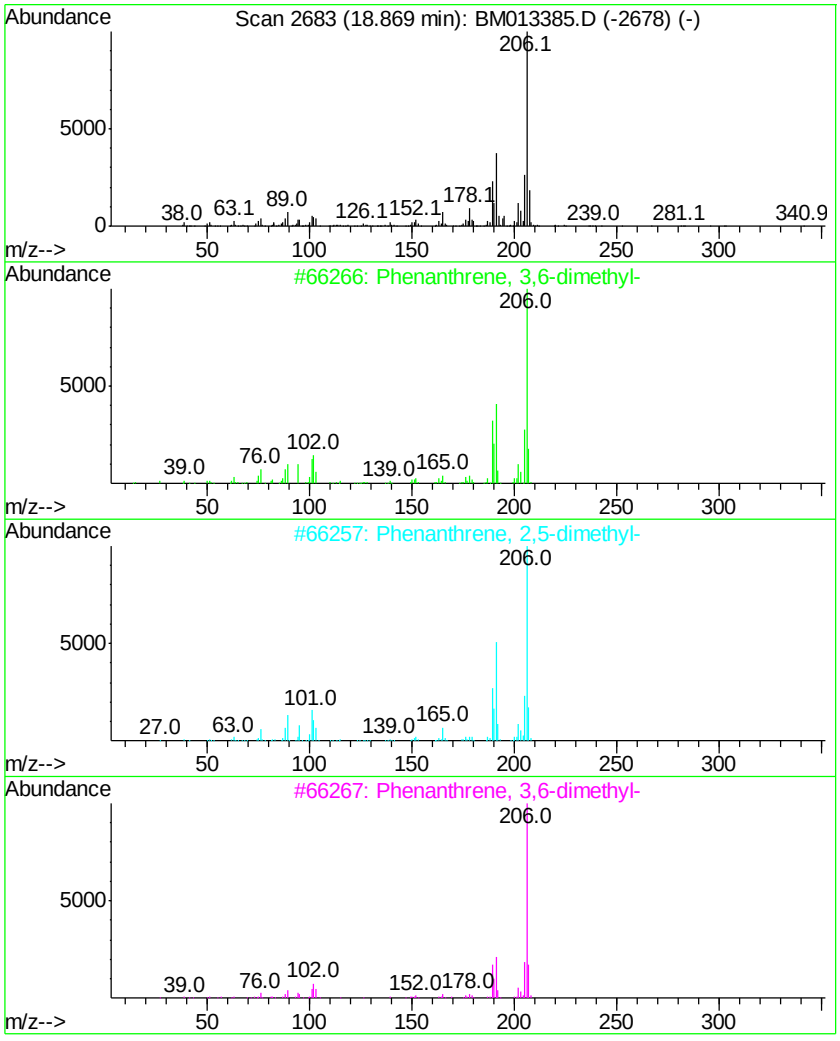
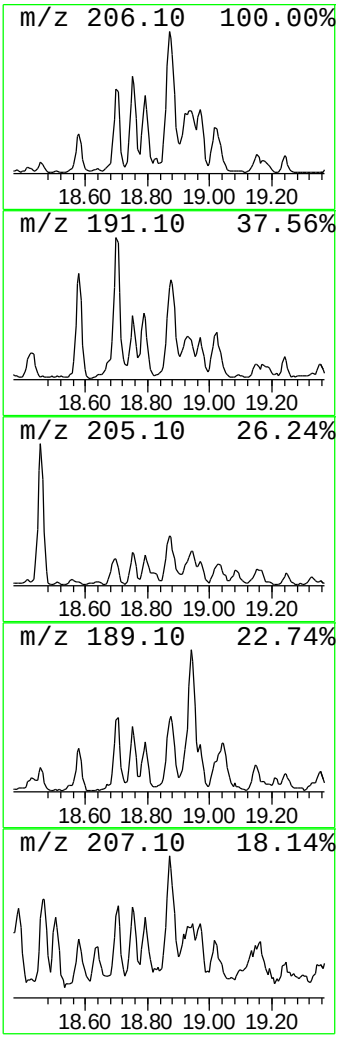
Peak Number 27 Phenanthrene, 3,6-dimethyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.87	16.29 ng/ul	2030720	Phenanthrene-d10	17.09

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	94
2	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	94
3	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	93
4	di-p-Tolylacetylene	206	C16H14	002789-88-0	91
5	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	91





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TIC Integration Parameters: LSCINT.P

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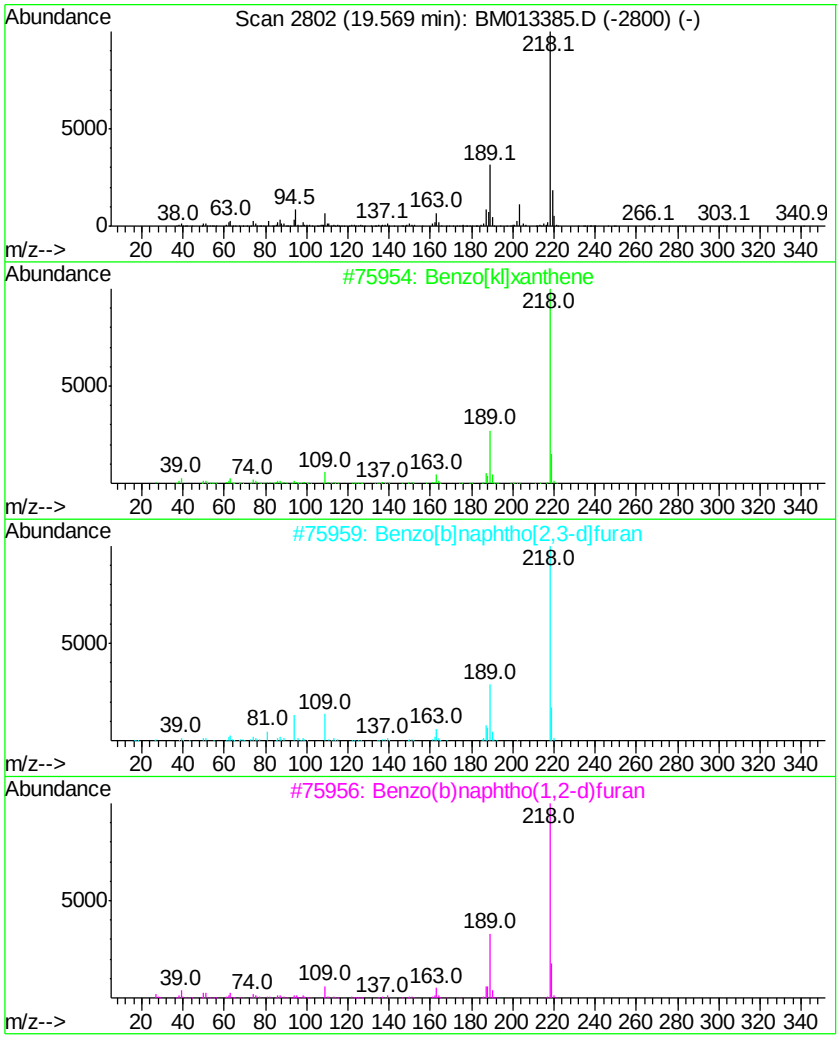
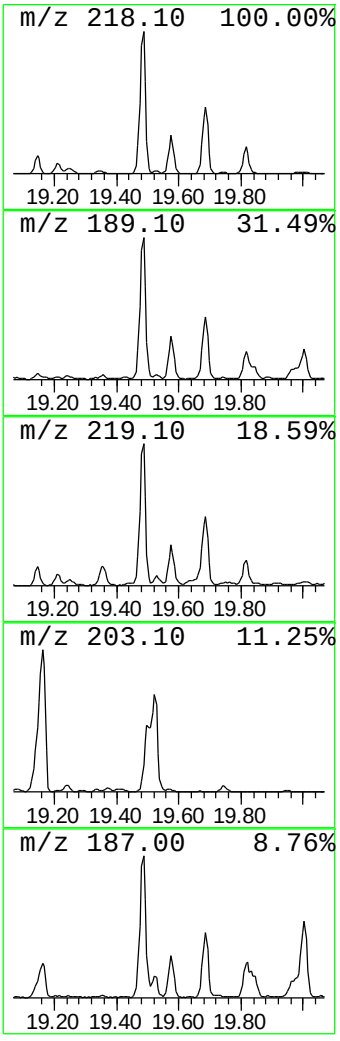
Peak Number 28 Benzo[kl]xanthene Concentration Rank 38

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.57	2.38 ng/ul	2252620	Chrysene-d12	21.27

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[kl]xanthene	218	C16H10O	000200-23-7	95
2	Benzo[b]naphtho[2,3-d]furan	218	C16H10O	000243-42-5	95
3	Benzo(b)naphtho(1,2-d)furan	218	C16H10O	000205-39-0	93
4	Benzo[b]naphtho[2,3-d]furan	218	C16H10O	000243-42-5	93
5	Indeno[2,1-b]chromene,	218	C16H10O	000243-24-3	91





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TIC Integration Parameters: LSCINT.P

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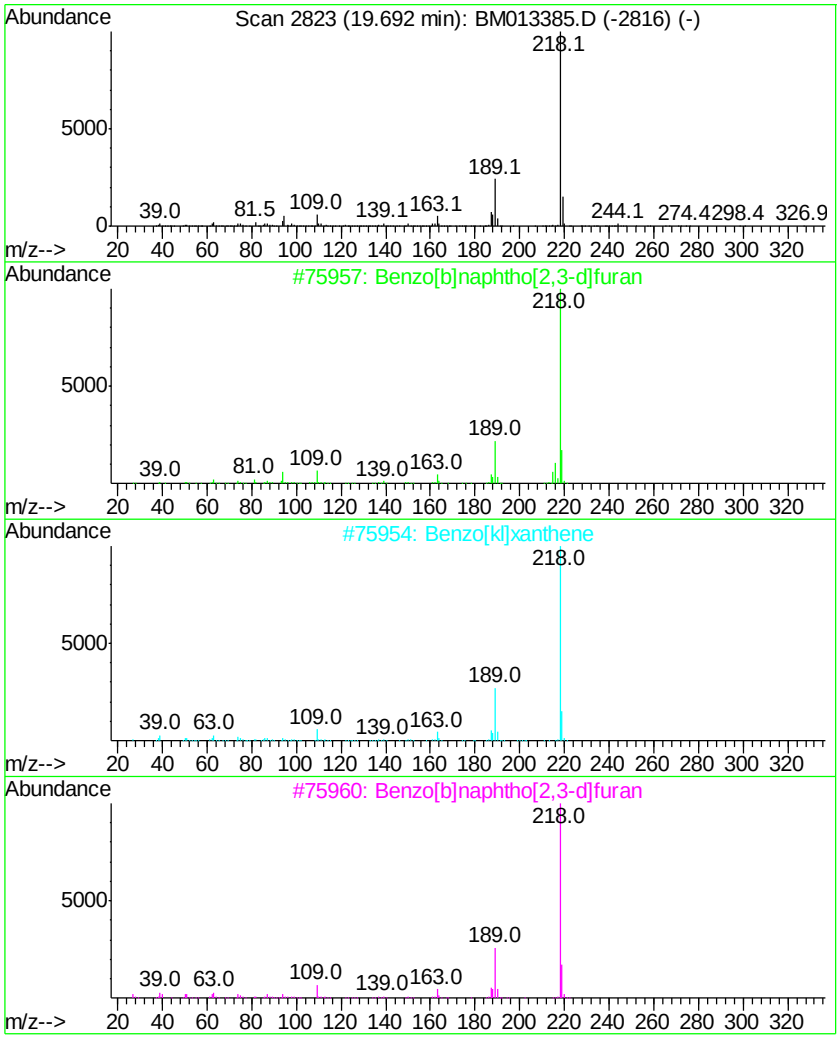
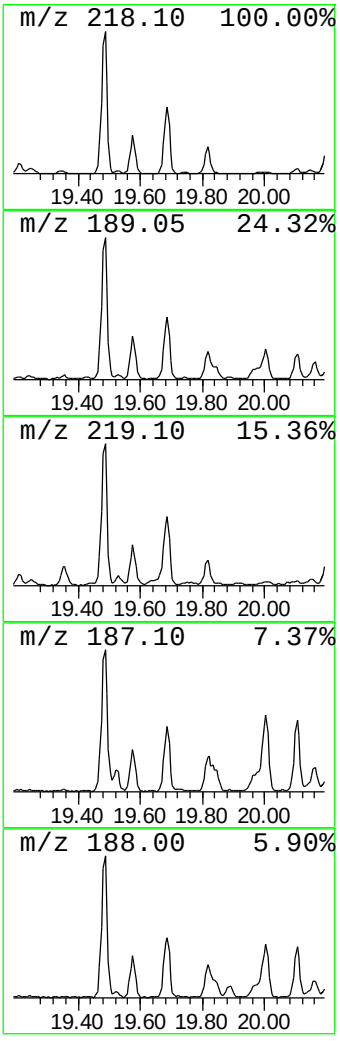
Peak Number 29 Benzo[b]naphtho[2,3-d]furan Concentration Rank 33

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.69	3.33 ng/ul	3149050	Chrysene-d12	21.27

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[b]naphtho[2,3-d]furan	218	C16H10O	000243-42-5	94
2	Benzo[kl]xanthene	218	C16H10O	000200-23-7	94
3	Benzo[b]naphtho[2,3-d]furan	218	C16H10O	000243-42-5	91
4	Benzo[b]naphtho[2,3-d]furan	218	C16H10O	000243-42-5	91
5	Benzo[b]naphtho[2,3-d]furan	218	C16H10O	000243-42-5	91





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Quant Title : SVOA CALIBRATION

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

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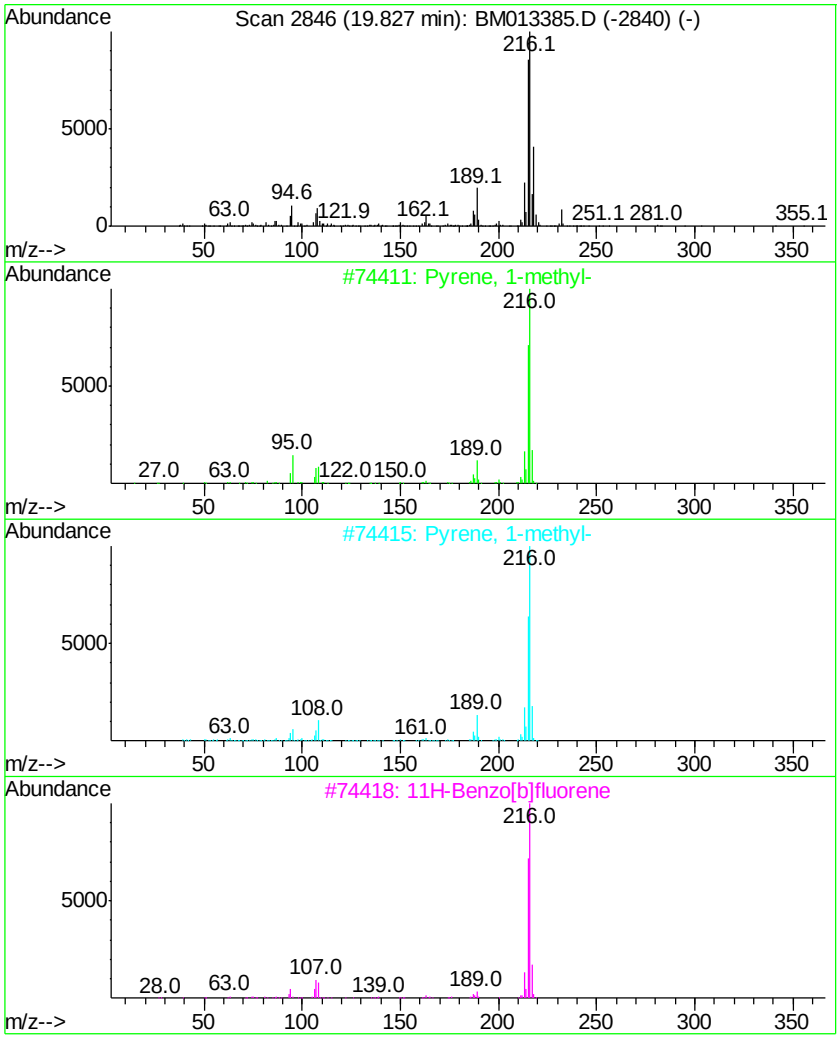
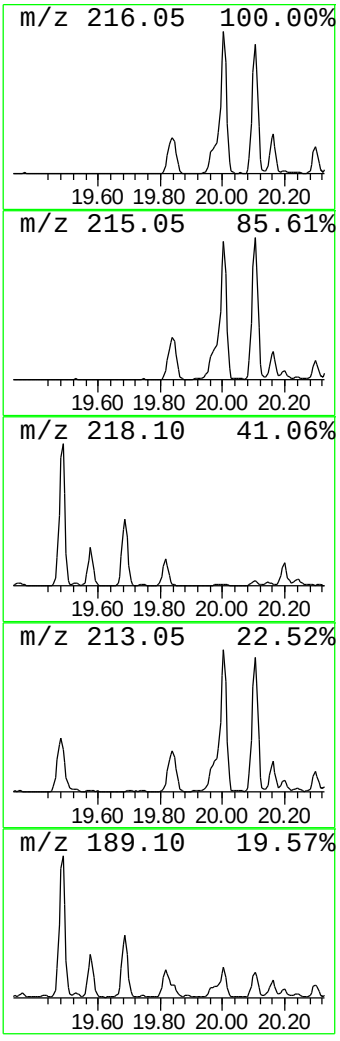
Peak Number 30 Pyrene, 1-methyl- Concentration Rank 30

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.83	4.63 ng/ul	4386700	Chrysene-d12	21.27

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	93
2	Pyrene, 1-methyl-	216	C17H12	002381-21-7	78
3	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	76
4	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	76
5	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	76





Library Search Compound Report

Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA M\DATA\BM121317\
Data File : BM013385.D
Acq On : 13 Dec 2017 21:58
Operator : SJ/JU
Sample : I6759-12ME
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F9A20ME

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM113017.M
Quant Title : SVOA CALIBRATION

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

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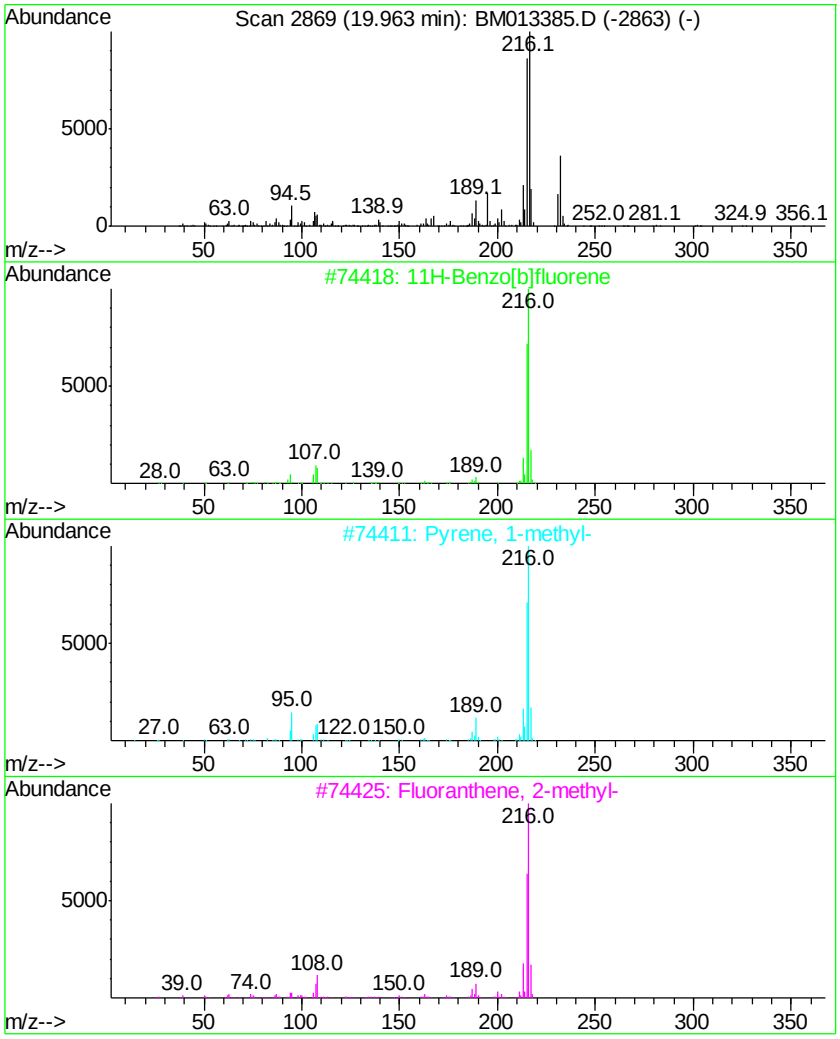
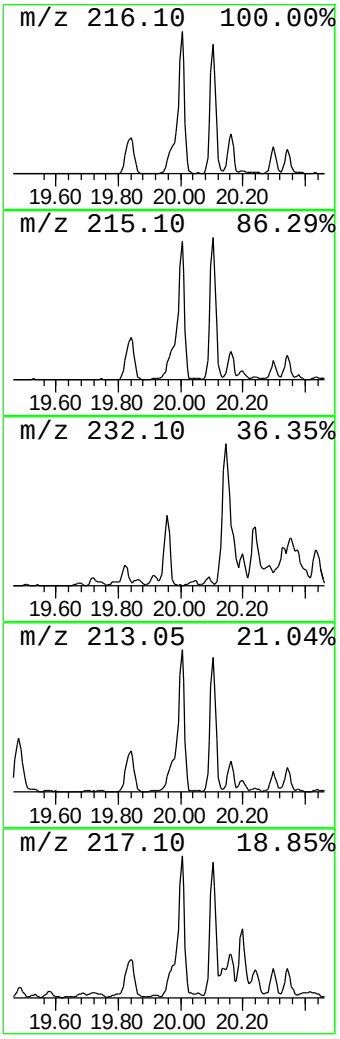
Peak Number 31 11H-Benzo[b]fluorene Concentration Rank 36

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.96	2.42 ng/ul	2289620	Chrysene-d12	21.27

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	90
2	Pyrene, 1-methyl-	216	C17H12	002381-21-7	89
3	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	86
4	Pyrene, 1-methyl-	216	C17H12	002381-21-7	86
5	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	86





Tentatively Identified Compound (LSC) summary

Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA_M\DATA\BM121317\
Data File : BM013385.D
Acq On : 13 Dec 2017 21:58
Operator : SJ/JU
Sample : I6759-12ME
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F9A20ME

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM113017.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, 1-me...	12.35	39.5	ng/ul	3744280	2	10.46	1895170	20.0
Naphthalene, 1-et...	13.35	11.7	ng/ul	1593470	3	14.33	2729010	20.0
Naphthalene, 1,6-...	13.48	14.1	ng/ul	1920330	3	14.33	2729010	20.0
Naphthalene, 2,3-...	13.65	25.2	ng/ul	3442410	3	14.33	2729010	20.0
1-Naphthalenecarb...	14.46	10.2	ng/ul	1389530	3	14.33	2729010	20.0
1-Isopropenylnaph...	14.64	15.8	ng/ul	2157560	3	14.33	2729010	20.0
Nordiphenamid	15.54	31.4	ng/ul	4291700	3	14.33	2729010	20.0
Diphenylmethane	15.63	15.7	ng/ul	2135120	3	14.33	2729010	20.0
[1,1'-Biphenyl]-4...	15.67	33.6	ng/ul	4590420	3	14.33	2729010	20.0
2,4,6-Cycloheptat...	15.82	55.2	ng/ul	6877790	4	17.09	2493730	20.0
Dibenzofuran, 4-m...	15.91	11.4	ng/ul	1423410	4	17.09	2493730	20.0
Phenanthrene, 1,2...	16.34	12.0	ng/ul	1493760	4	17.09	2493730	20.0
9H-Fluorene, 3-me...	16.38	30.2	ng/ul	3764910	4	17.09	2493730	20.0
9H-Fluorene, 1-me...	16.53	13.0	ng/ul	1615700	4	17.09	2493730	20.0
Anthracene, 1,2,3...	16.83	39.3	ng/ul	4893560	4	17.09	2493730	20.0
Naphtho[2,3-b]thi...	16.90	61.3	ng/ul	7644810	4	17.09	2493730	20.0
Dibenzo[a,e]cyclo...	17.60	16.4	ng/ul	2048220	4	17.09	2493730	20.0
Phenanthrene, 2-m...	17.95	66.6	ng/ul	8299760	4	17.09	2493730	20.0
Phenanthrene, 1-m...	18.00	85.8	ng/ul	10699800	4	17.09	2493730	20.0
Anthracene, 1-met...	18.09	31.5	ng/ul	3929840	4	17.09	2493730	20.0
4H-Cyclopenta[def...	18.16	135.8	ng/ul	16935700	4	17.09	2493730	20.0
1H-Cyclopropa[l]p...	18.19	22.1	ng/ul	2749000	4	17.09	2493730	20.0
Naphthalene, 2-ph...	18.46	41.0	ng/ul	5118060	4	17.09	2493730	20.0
9,10-Anthracenedione	18.50	11.7	ng/ul	1459090	4	17.09	2493730	20.0
Anthracene, 2-ethyl-	18.70	12.4	ng/ul	1548900	4	17.09	2493730	20.0
Phenanthrene, 3,6...	18.87	16.3	ng/ul	2030720	4	17.09	2493730	20.0
Benzo[kl]xanthene	19.57	2.4	ng/ul	2252620	5	21.27	18928700	20.0
Benzo[b]naphtho[2...	19.69	3.3	ng/ul	3149050	5	21.27	18928700	20.0
Pyrene, 1-methyl-	19.83	4.6	ng/ul	4386700	5	21.27	18928700	20.0
11H-Benzo[b]fluorene	19.96	2.4	ng/ul	2289620	5	21.27	18928700	20.0