LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA M\DATA\BM012918\
Data File : BM013962.D
Acq On : 29 Jan 2018 17:41
Operator : SJ/JU
Sample : J1244-10DL 30X
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F6B51DL

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-BM011018.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	7.570	773	779	792	rBV	335926	637025	4.56%	0.751%
2	10.346	1240	1251	1254	rBV	513570	888027	6.36%	1.046%
3	10.393	1254	1259	1275	rVB	2272981	3876434	27.77%	4.568%
4	12.016	1528	1535	1549	rBV	2575722	4133876	29.61%	4.871%
5	12.240	1562	1573	1585	rBV	1176640	1988207	14.24%	2.343%
6	13.052	1703	1711	1717	rBV	651957	1034165	7.41%	1.219%
7	13.246	1738	1744	1755	rVB	247563	462484	3.31%	0.545%
8	13.540	1786	1794	1799	rBV2	437584	814206	5.83%	0.959%
9	13.599	1799	1804	1811	rVB	277753	444904	3.19%	0.524%
10	13.781	1827	1835	1839	rBV	174117	301471	2.16%	0.355%
11	13.946	1860	1863	1871	rVB	123422	196622	1.41%	0.232%
12	14.222	1900	1910	1916	rVV3	871264	1785725	12.79%	2.104%
13	14.293	1916	1922	1931	rVV	3191288	4925141	35.28%	5.804%
14	14.375	1931	1936	1942	rVV2	102832	173489	1.24%	0.204%
15	14.434	1942	1946	1955	rVB3	72679	172974	1.24%	0.204%
16	14.534	1955	1963	1968	rBV2	132472	230641	1.65%	0.272%
17	14.628	1973	1979	1985	rVV	2156086	3103725	22.23%	3.657%
18	14.851	2009	2017	2022	rBV3	94691	164551	1.18%	0.194%
19	15.281	2084	2090	2096	rBV	2781449	3977936	28.50%	4.687%
20	15.375	2102	2106	2108	rBV	116145	150436	1.08%	0.177%
21	15.404	2108	2111	2114	rVV2	190842	284066	2.03%	0.335%
22	15.440	2114	2117	2122	rVV2	376873	555881	3.98%	0.655%
23	15.493	2122	2126	2129	rVV4	103251	157877	1.13%	0.186%
24	15.528	2129	2132	2136	rVV	181551	271163	1.94%	0.320%
25	15.581	2136	2141	2149	rVB	421085	645190	4.62%	0.760%
26	15.728	2155	2166	2173	rBV2	423865	1074088	7.69%	1.266%
27	15.957	2200	2205	2211	rBV7	89876	202897	1.45%	0.239%
28	16.081	2220	2226	2231	rBV	150533	231756	1.66%	0.273%
29	16.287	2249	2261	2266	rBV2	288399	631716	4.53%	0.744%
30	16.334	2266	2269	2275	rVB3	97032	152958	1.10%	0.180%
31	16.434	2280	2286	2292	rVB4	119357	229072	1.64%	0.270%
32	16.557	2303	2307	2310	rVB2	106308	145250	1.04%	0.171%
33	16.716	2327	2334	2335	rBV2	143128	198764	1.42%	0.234%
34	16.798	2343	2348	2359	rVB	588081	908197	6.51%	1.070%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA M\DATA\BM012918\
Data File : BM013962.D
Acq On : 29 Jan 2018 17:41
Operator : SJ/JU
Sample : J1244-10DL 30X
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F6B51DL

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-BM011018.M
Title : SVOA CALIBRATION

35	16.981	2372	2379	2382	rBV	1039131	1591739	11.40%	1.876%
36	17.028	2382	2387	2393	rVV	10468958	13959773	100.00%	16.450%
37	17.116	2393	2402	2407	rVV	1082799	1763281	12.63%	2.078%
38	17.192	2408	2415	2423	rVB9	62236	214528	1.54%	0.253%
39	17.392	2443	2449	2461	rBV	288231	582750	4.17%	0.687%
40	17.504	2461	2468	2474	rVV4	163976	318139	2.28%	0.375%
41	17.563	2474	2478	2487	rVB4	56950	157735	1.13%	0.186%
42	17.857	2520	2528	2532	rBV	595034	877427	6.29%	1.034%
43	17.904	2532	2536	2542	rVB	806409	1150259	8.24%	1.355%
44	17.986	2542	2550	2555	rBV	259498	403178	2.89%	0.475%
45	18.051	2555	2561	2565	rVV2	1158782	1848957	13.24%	2.179%
46	18.086	2565	2567	2574	rVB	267973	363993	2.61%	0.429%
47	18.363	2609	2614	2620	rBV	461606	631953	4.53%	0.745%
48	18.786	2680	2686	2689	rBV	134638	243629	1.75%	0.287%
49	19.051	2724	2731	2737	rBV	5766912	7584201	54.33%	8.937%
50	19.292	2768	2772	2776	rBV	117544	164234	1.18%	0.194%
51	19.410	2782	2792	2797	rBV2	3327839	6173981	44.23%	7.275%
52	19.486	2802	2805	2811	rVB3	167341	272693	1.95%	0.321%
53	19.598	2819	2824	2831	rBV	217537	307425	2.20%	0.362%
54	19.739	2843	2848	2849	rBV2	159634	232364	1.66%	0.274%
55	19.880	2867	2872	2873	rBV4	103417	151428	1.08%	0.178%
56	19.916	2873	2878	2887	rVB	563669	802083	5.75%	0.945%
57	20.016	2890	2895	2899	rVV2	610771	791369	5.67%	0.933%
58	20.069	2899	2904	2908	rVV3	186027	340424	2.44%	0.401%
59	20.439	2963	2967	2972	rBV3	120685	162714	1.17%	0.192%
60	20.663	2995	3005	3014	rBV	728324	2019116	14.46%	2.379%
61	20.833	3030	3034	3037	rBV	122870	180265	1.29%	0.212%
62	20.869	3037	3040	3043	rVV	143914	197138	1.41%	0.232%
63	20.904	3043	3046	3052	rVB2	94792	176266	1.26%	0.208%
64	21.180	3086	3093	3097	rBV3	1745417	3149005	22.56%	3.711%
65	21.216	3097	3099	3105	rVB	594926	778013	5.57%	0.917%
66	21.339	3116	3120	3125	rBV	196166	247355	1.77%	0.291%
67	22.721	3351	3355	3360	rBV	193582	391513	2.80%	0.461%
68	23.368	3459	3465	3472	rBV	849019	1483626	10.63%	1.748%

Sum of corrected areas: 84863468

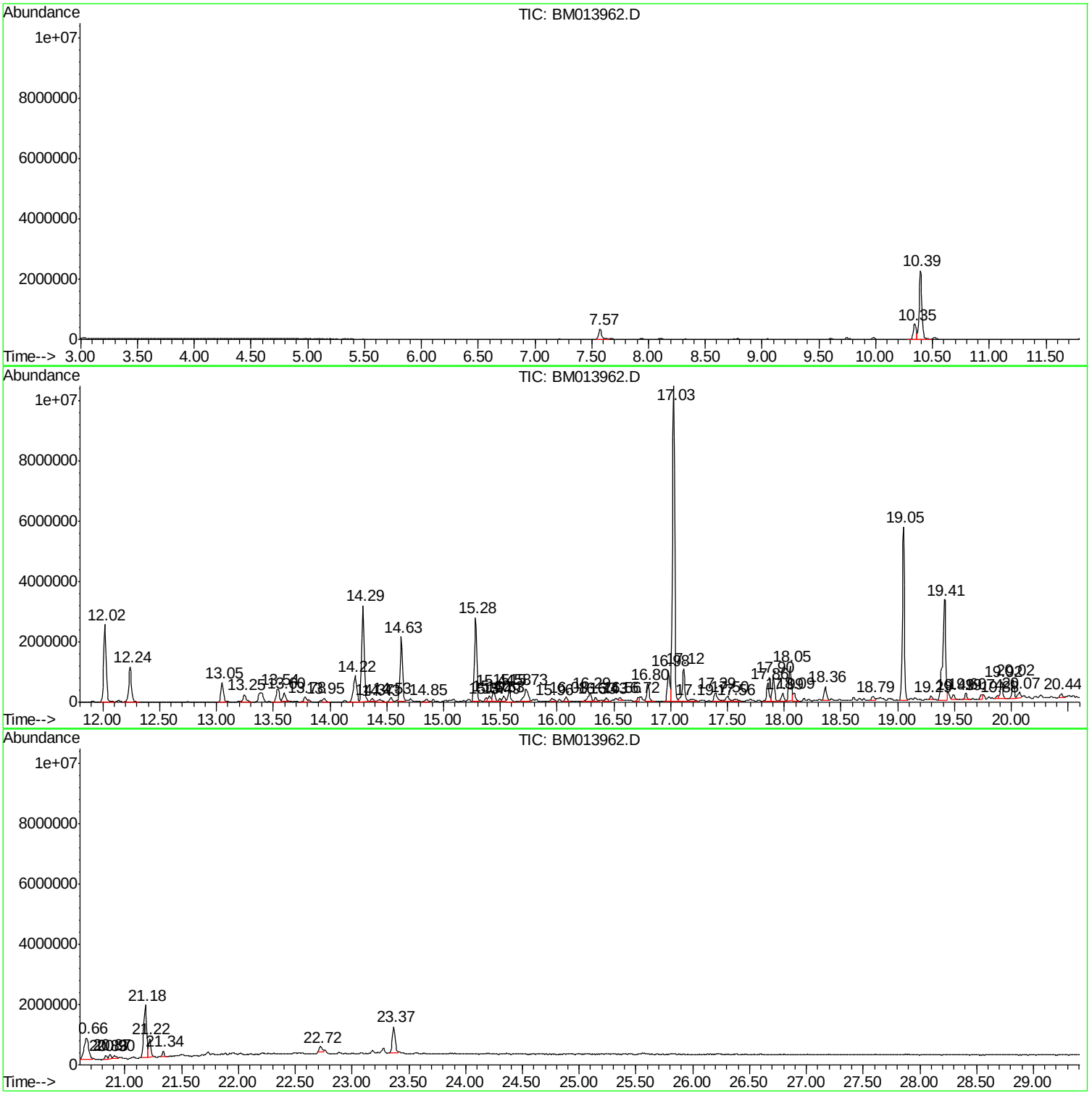
LSC Report - Integrated Chromatogram

Data Path : Z:\HPCHEM1\BNA M\DATA\BM012918\
Data File : BM013962.D
Acq On : 29 Jan 2018 17:41
Operator : SJ/JU
Sample : J1244-10DL 30X
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F6B51DL

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM011018.M
Quant Title : SVOA CALIBRATION

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



Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA M\DATA\BM012918\
Data File : BM013962.D
Acq On : 29 Jan 2018 17:41
Operator : SJ/JU
Sample : J1244-10DL 30X
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F6B51DL

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM011018.M
Quant Title : SVOA CALIBRATION

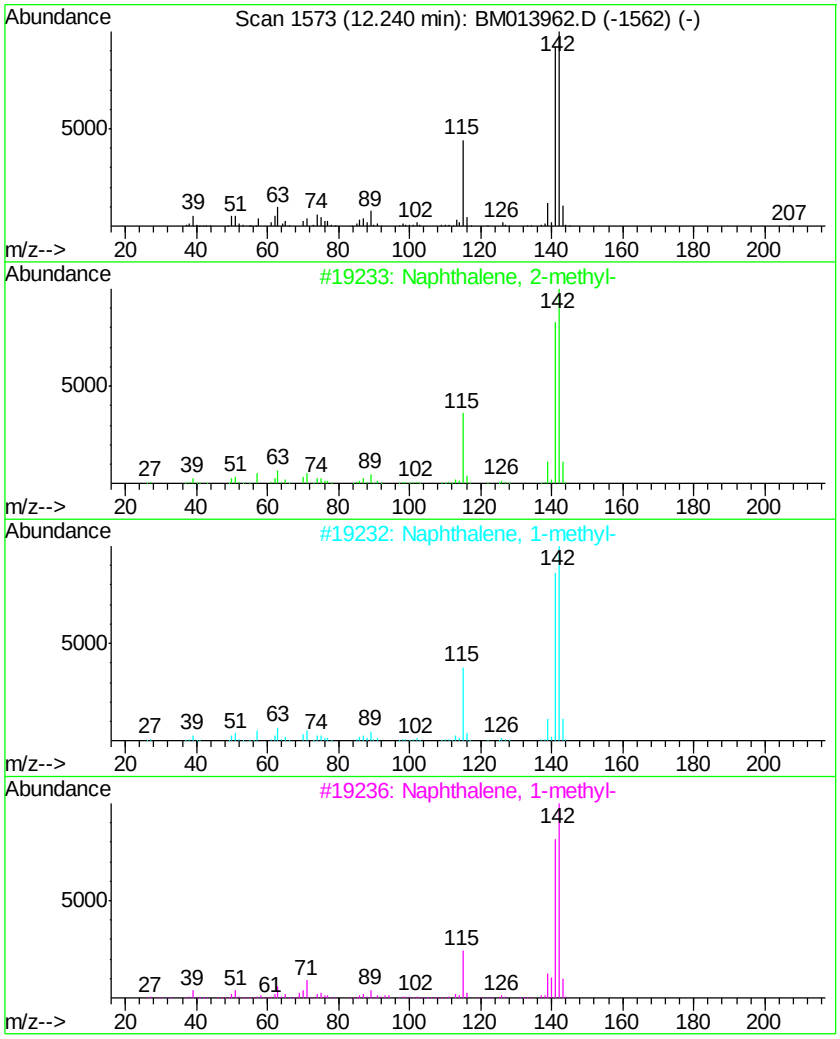
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

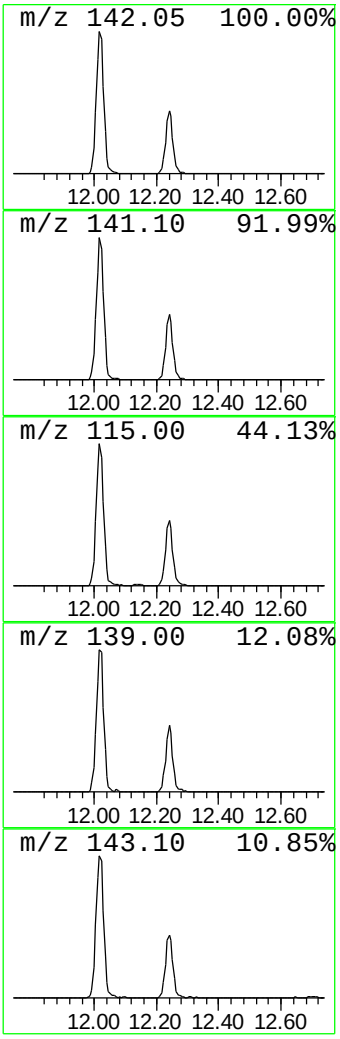
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.24	44.78 ng/ul	1988210	Naphthalene-d8	10.35

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-methyl-	142	C11H10	000091-57-6	96
2	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	96
3	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	94
4	1,4-Methanonaphthalene, 1,4-dihy...	142	C11H10	004453-90-1	94
5	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	91





Data Path : Z:\HPCHEM1\BNA M\DATA\BM012918\
Data File : BM013962.D
Acq On : 29 Jan 2018 17:41
Operator : SJ/JU
Sample : J1244-10DL 30X
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F6B51DL

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM011018.M
Quant Title : SVOA CALIBRATION

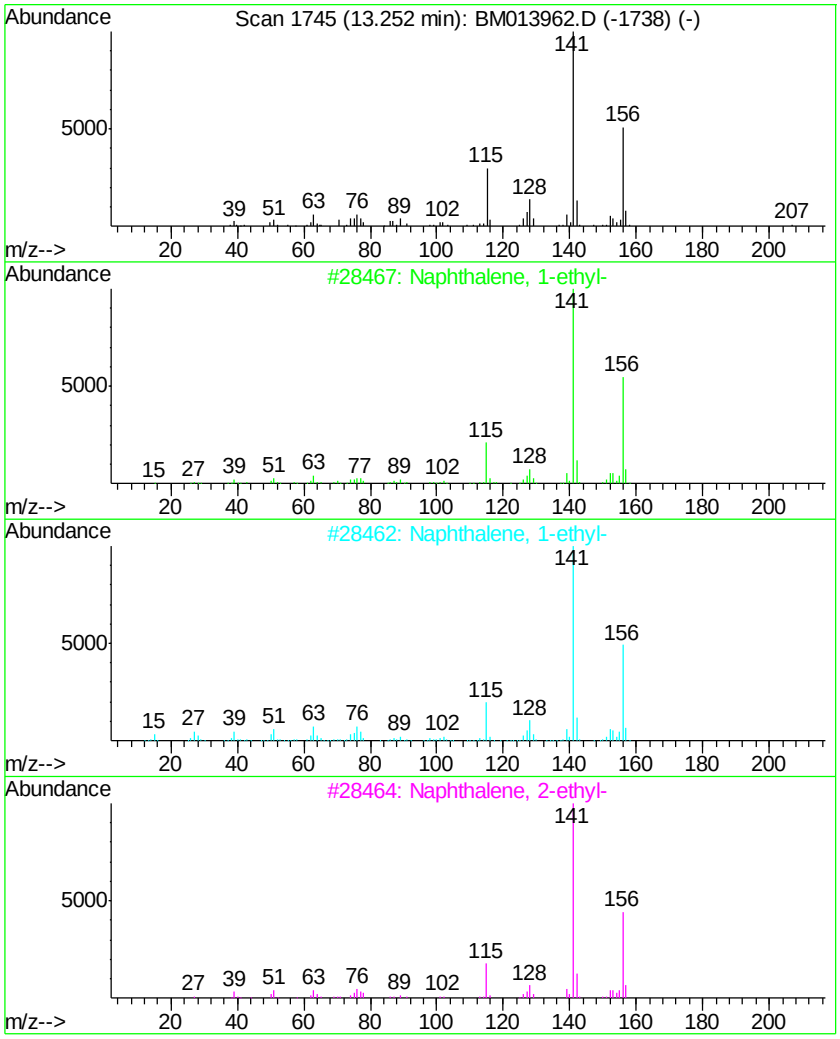
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

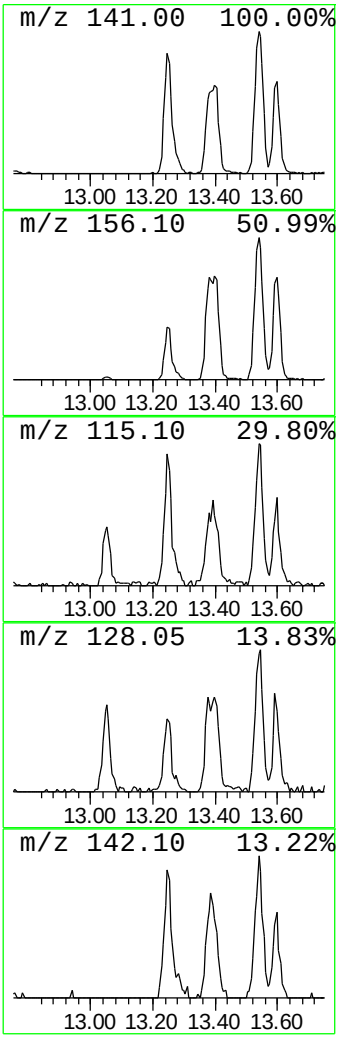
****

Peak Number 2 Naphthalene, 1-ethyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.25	5.18 ng/ul	462484	Acenaphthene-d10	14.22

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1-ethyl-	156	C12H12	001127-76-0	95
2	Naphthalene, 1-ethyl-	156	C12H12	001127-76-0	95
3	Naphthalene, 2-ethyl-	156	C12H12	000939-27-5	94
4	Naphthalene, 1-ethyl-	156	C12H12	001127-76-0	94
5	Naphthalene, 2-ethyl-	156	C12H12	000939-27-5	93





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA M\DATA\BM012918\
Data File : BM013962.D
Acq On : 29 Jan 2018 17:41
Operator : SJ/JU
Sample : J1244-10DL 30X
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F6B51DL

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM011018.M
Quant Title : SVOA CALIBRATION

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

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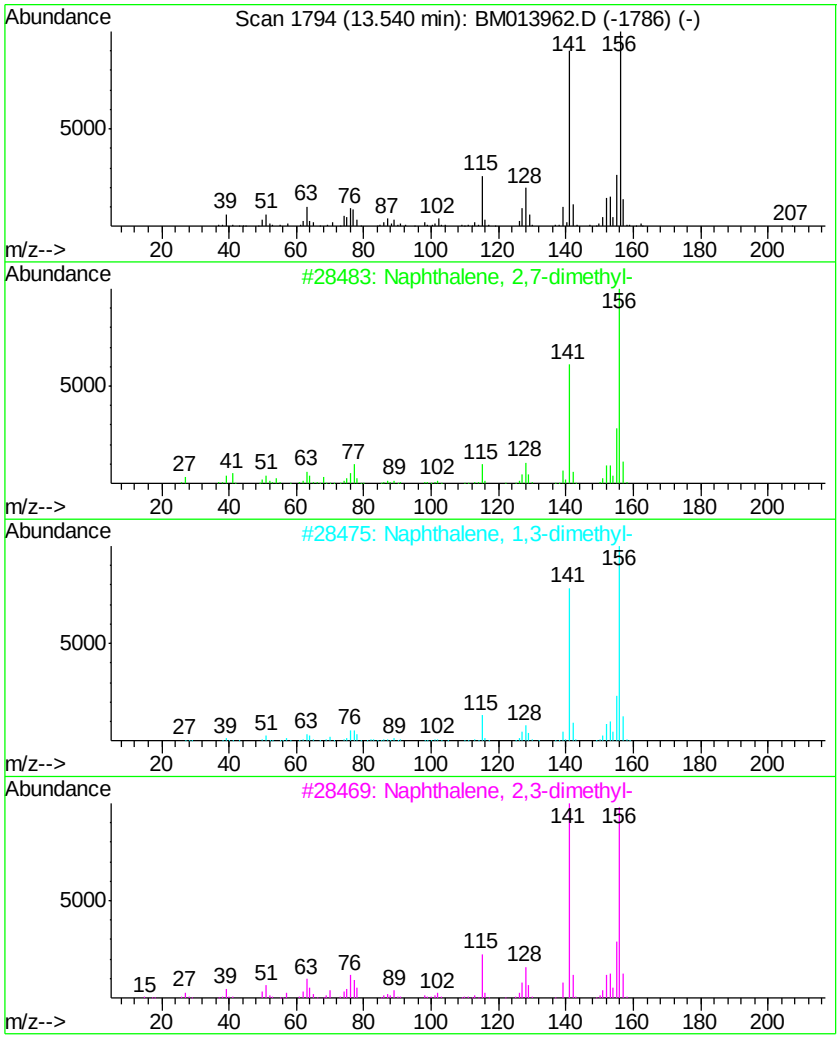
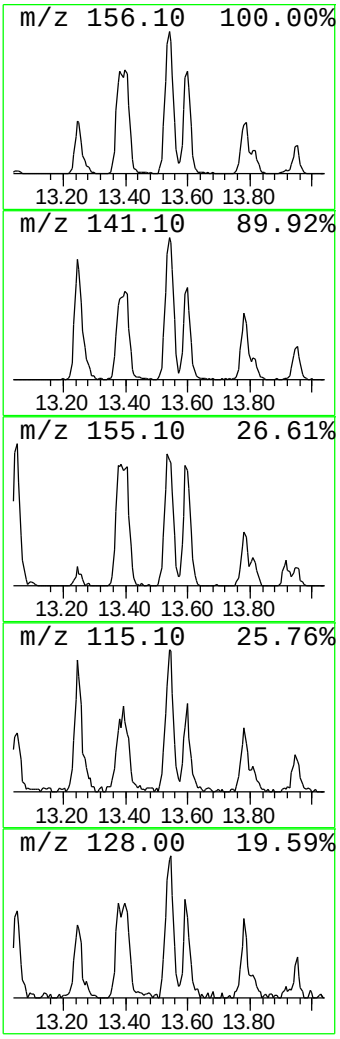
Peak Number 3 Naphthalene, 2,7-dimethyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.54	9.12 ng/ul	814206	Acenaphthene-d10	14.22

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	97
2	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	96
3	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	96
4	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	95
5	Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	95





Data Path : Z:\HPCHEM1\BNA M\DATA\BM012918\
Data File : BM013962.D
Acq On : 29 Jan 2018 17:41
Operator : SJ/JU
Sample : J1244-10DL 30X
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F6B51DL

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM011018.M
Quant Title : SVOA CALIBRATION

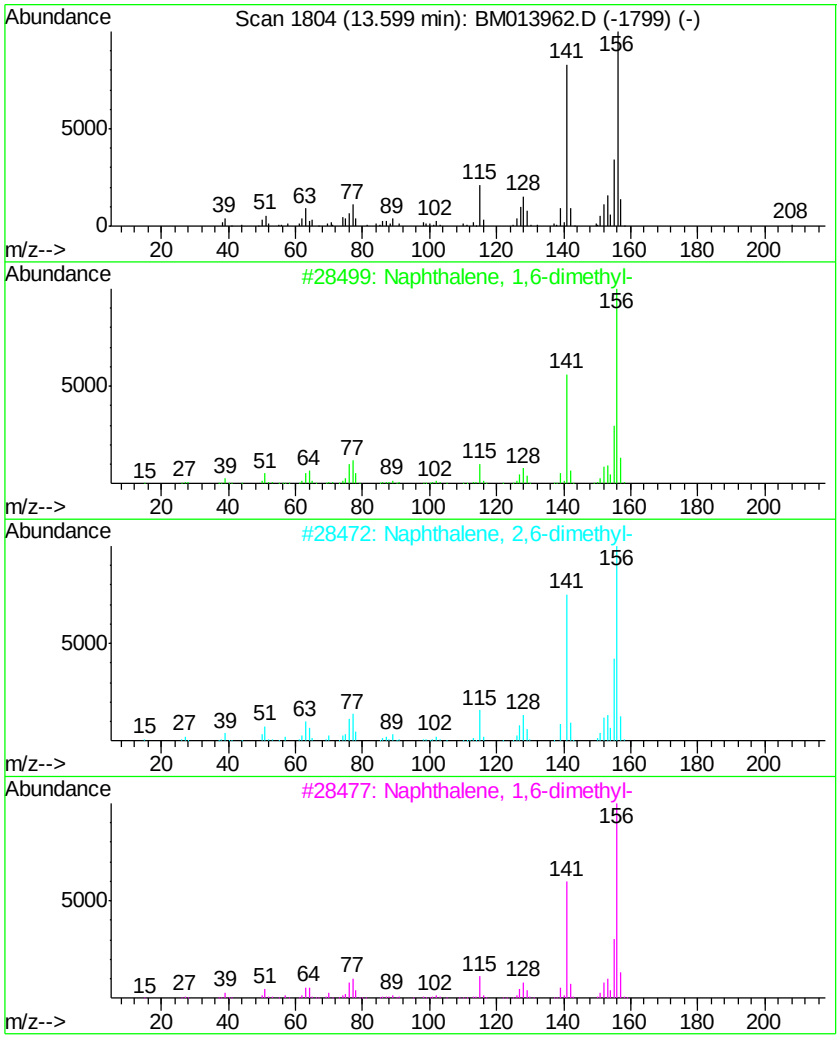
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

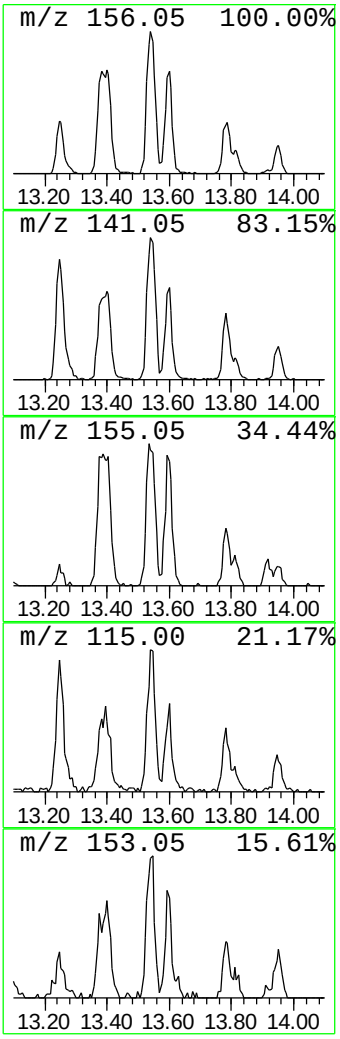
****

Peak Number 4 Naphthalene, 1,6-dimethyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.60	4.98 ng/ul	444904	Acenaphthene-d10	14.22

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	97
2	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	97
3	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	97
4	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	97
5	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	96





Data Path : Z:\HPCHEM1\BNA M\DATA\BM012918\
Data File : BM013962.D
Acq On : 29 Jan 2018 17:41
Operator : SJ/JU
Sample : J1244-10DL 30X
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F6B51DL

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM011018.M
Quant Title : SVOA CALIBRATION

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

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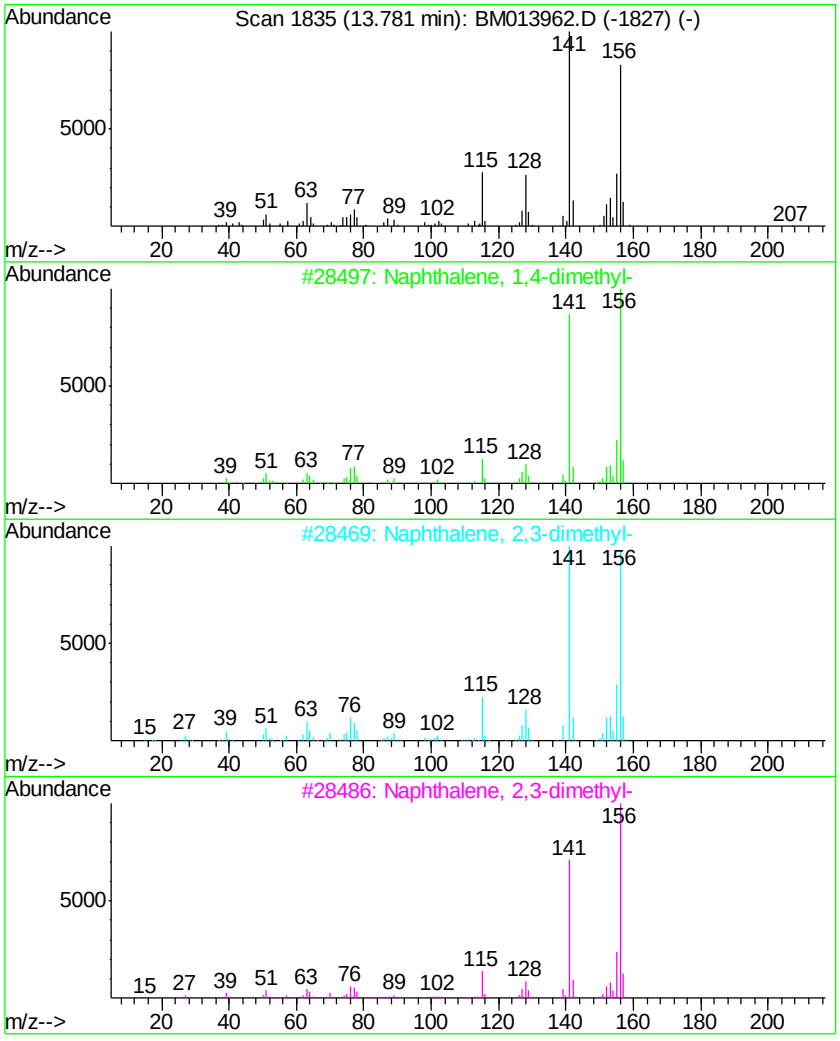
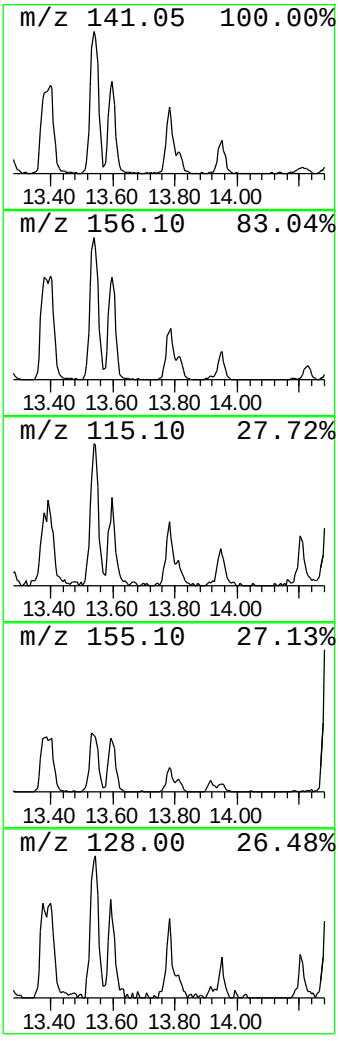
Peak Number 5 Naphthalene, 1,4-dimethyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.78	3.38 ng/ul	301471	Acenaphthene-d10	14.22

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	93
2	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	93
3	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	91
4	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	90
5	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	90





Data Path : Z:\HPCHEM1\BNA M\DATA\BM012918\
Data File : BM013962.D
Acq On : 29 Jan 2018 17:41
Operator : SJ/JU
Sample : J1244-10DL 30X
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F6B51DL

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM011018.M
Quant Title : SVOA CALIBRATION

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

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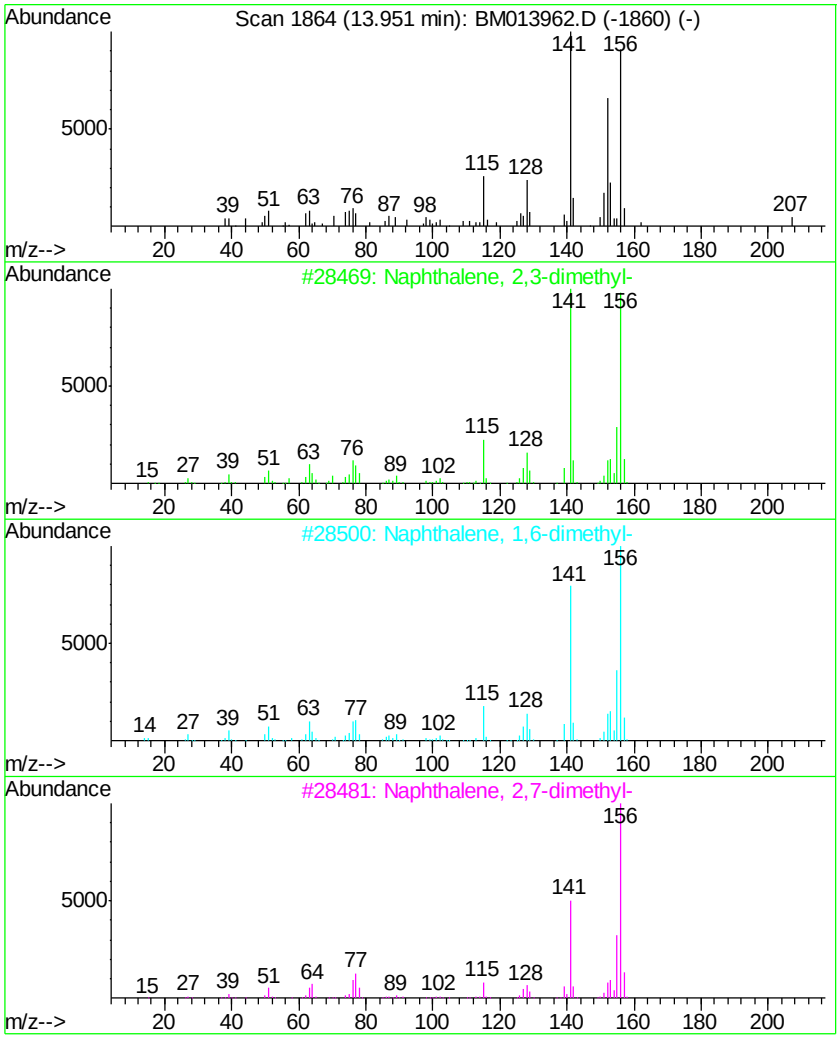
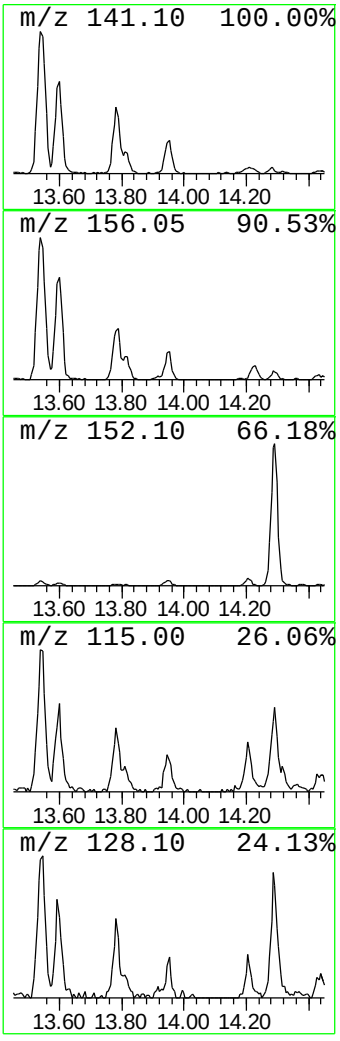
Peak Number 6 Naphthalene, 2,3-dimethyl- Concentration Rank 30

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.95	2.20 ng/ul	196622	Acenaphthene-d10	14.22

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	83
2	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	78
3	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	64
4	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	64
5	Naphthalene, 1,5-dimethyl-	156	C12H12	000571-61-9	64





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA M\DATA\BM012918\
Data File : BM013962.D
Acq On : 29 Jan 2018 17:41
Operator : SJ/JU
Sample : J1244-10DL 30X
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F6B51DL

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM011018.M
Quant Title : SVOA CALIBRATION

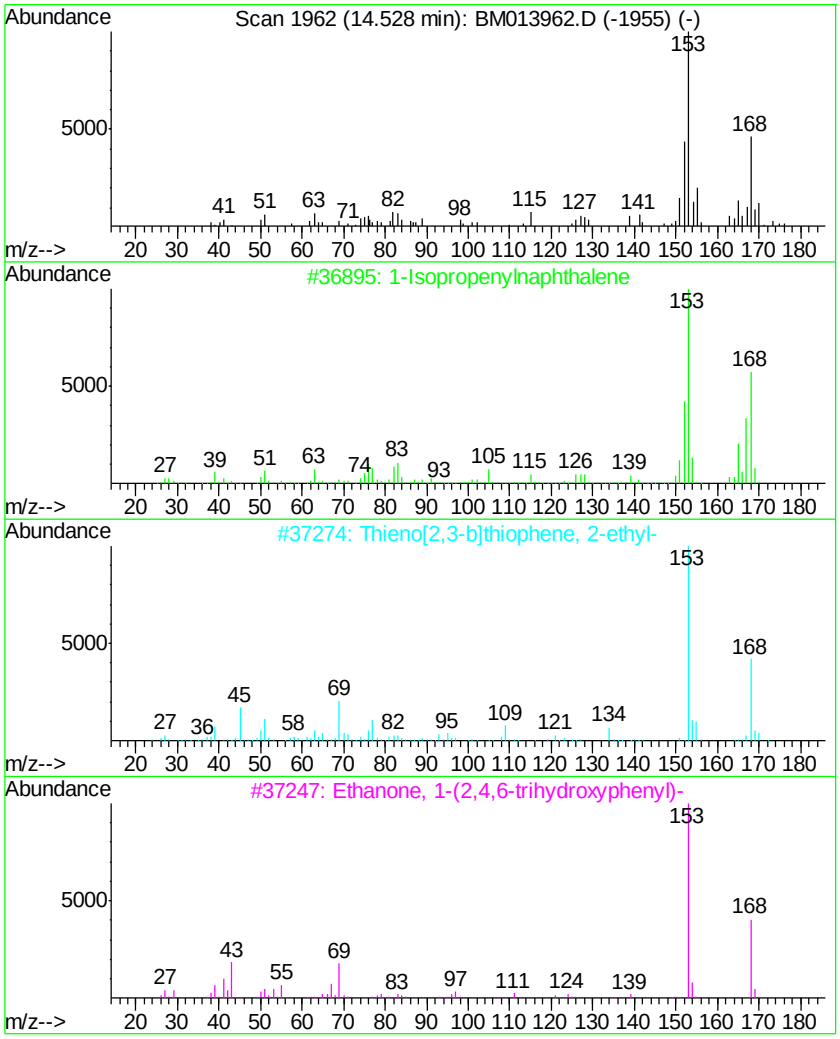
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

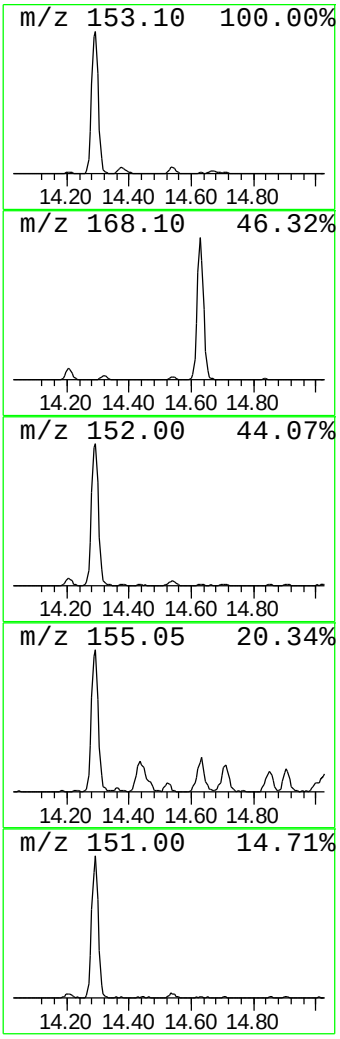
****

Peak Number 7 1-Isopropenylnaphthalene Concentration Rank 27

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.53	2.58 ng/ul	230641	Acenaphthene-d10	14.22

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Isopropenylnaphthalene	168	C13H12	001855-47-6	83
2	Thieno[2,3-b]thiophene, 2-ethyl-	168	C8H8S2	005912-01-6	59
3	Ethanone, 1-(2,4,6-trihydroxyphe...	168	C8H8O4	000480-66-0	58
4	Ethanone, 1-(2,4,6-trihydroxyphe...	168	C8H8O4	000480-66-0	58
5	Ethanone, 1-(2,3,4-trihydroxyphe...	168	C8H8O4	000528-21-2	50





Library Search Compound Report

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Data File : BM013962.D
Acq On : 29 Jan 2018 17:41
Operator : SJ/JU
Sample : J1244-10DL 30X
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F6B51DL

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM011018.M
Quant Title : SVOA CALIBRATION

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

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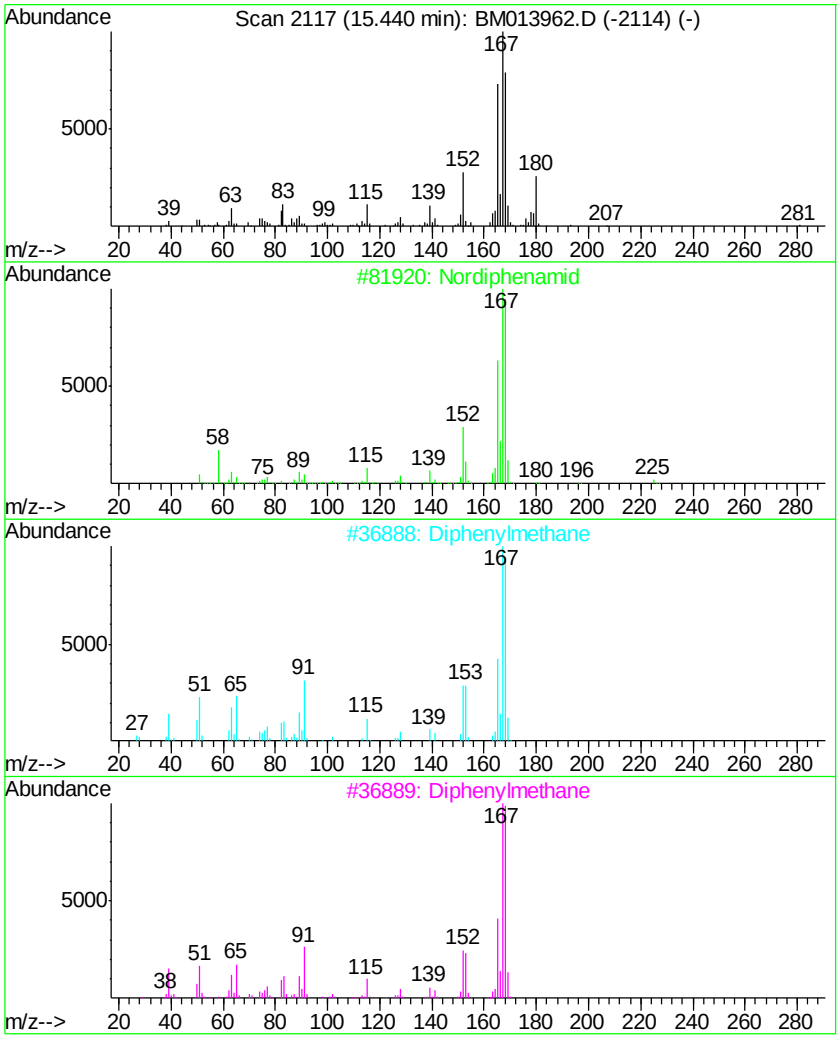
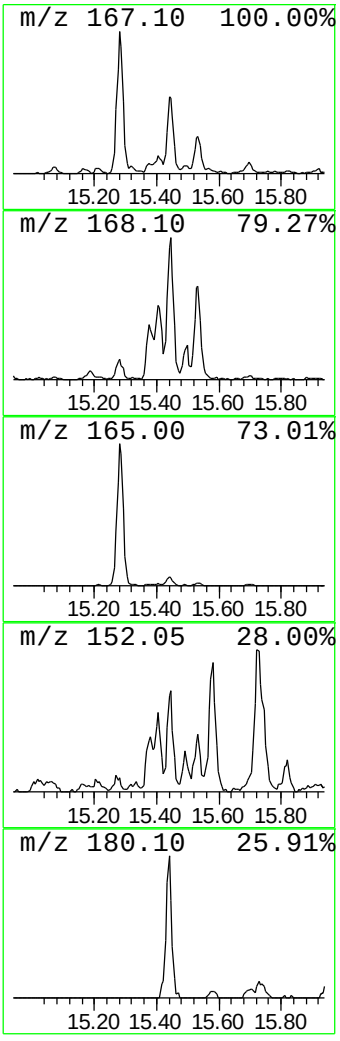
Peak Number 9 Nordiphenamid Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.44	6.23 ng/ul	555881	Acenaphthene-d10	14.22

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Nordiphenamid	225	C15H15NO	000954-21-2	80
2	Diphenylmethane	168	C13H12	000101-81-5	76
3	Diphenylmethane	168	C13H12	000101-81-5	70
4	Fluorene, 1,4-dihydro-	168	C13H12	041593-21-9	62
5	1,1'-Biphenyl, 2-methyl-	168	C13H12	000643-58-3	55





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Acq On : 29 Jan 2018 17:41
Operator : SJ/JU
Sample : J1244-10DL 30X
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F6B51DL

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Quant Title : SVOA CALIBRATION

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

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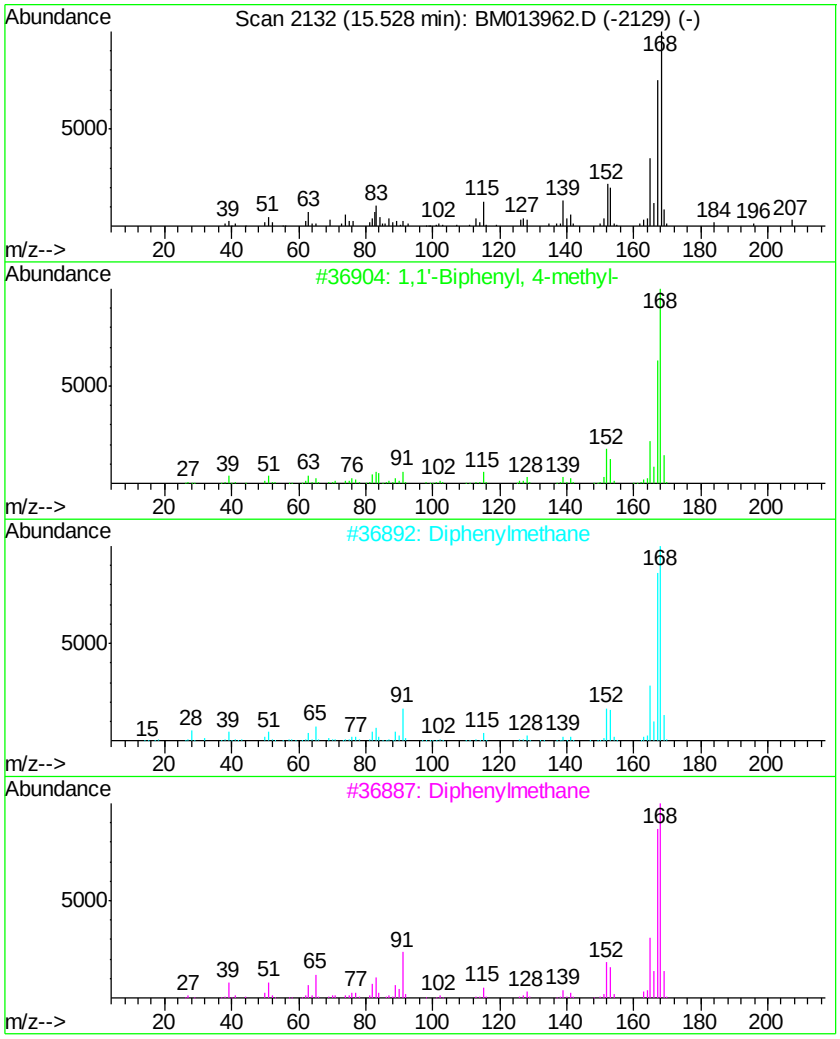
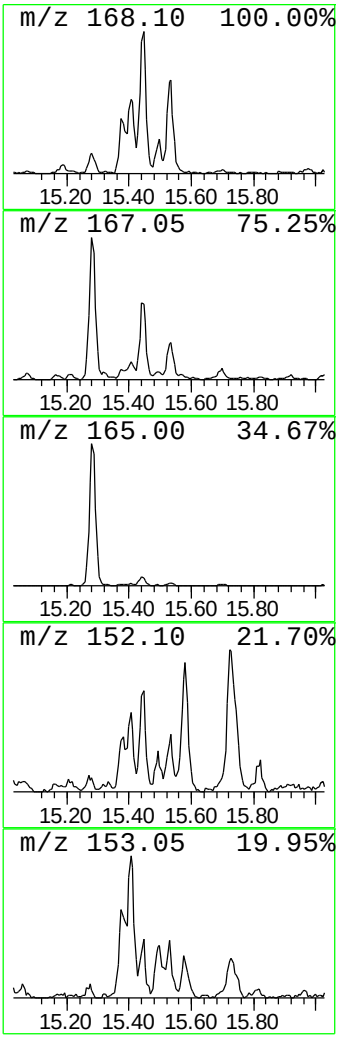
Peak Number 10 1,1'-Biphenyl, 4-methyl- Concentration Rank 23

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.53	3.04 ng/ul	271163	Acenaphthene-d10	14.22

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 4-methyl-	168	C13H12	000644-08-6	83
2	Diphenylmethane	168	C13H12	000101-81-5	83
3	Diphenylmethane	168	C13H12	000101-81-5	83
4	1,1'-Biphenyl, 2-methyl-	168	C13H12	000643-58-3	83
5	1,1'-Biphenyl, 4-methyl-	168	C13H12	000644-08-6	80





Library Search Compound Report

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Sample : J1244-10DL 30X
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F6B51DL

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM011018.M
Quant Title : SVOA CALIBRATION

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

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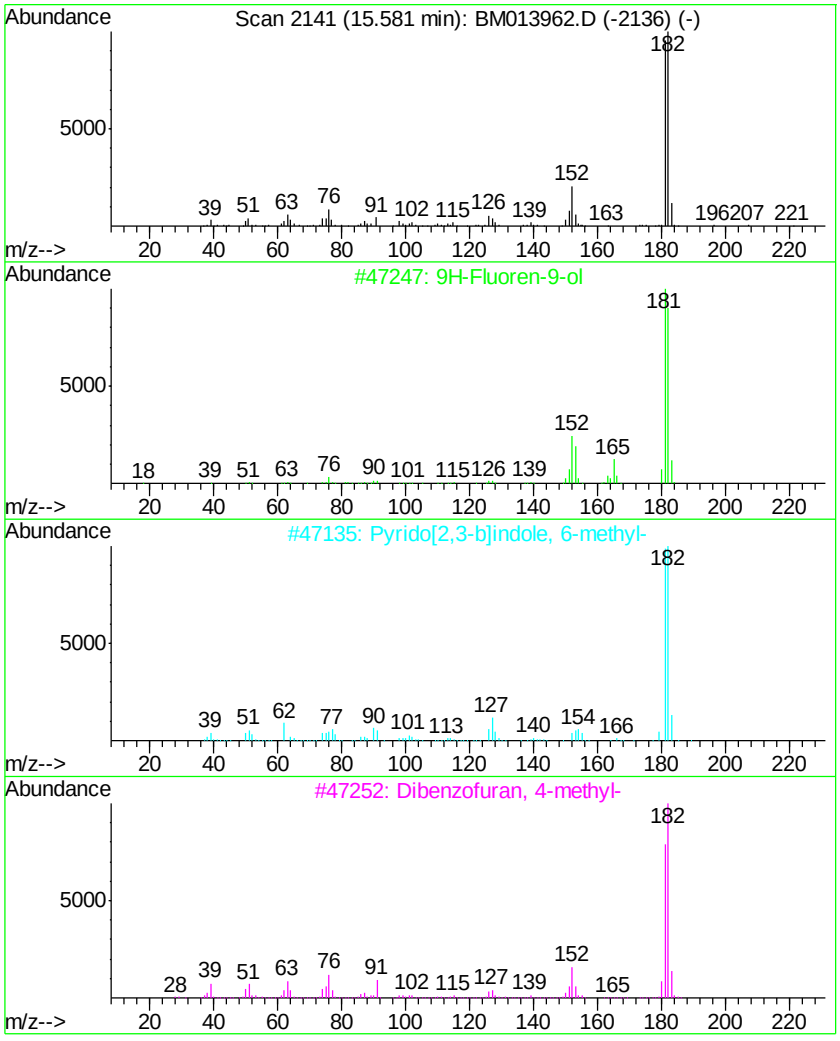
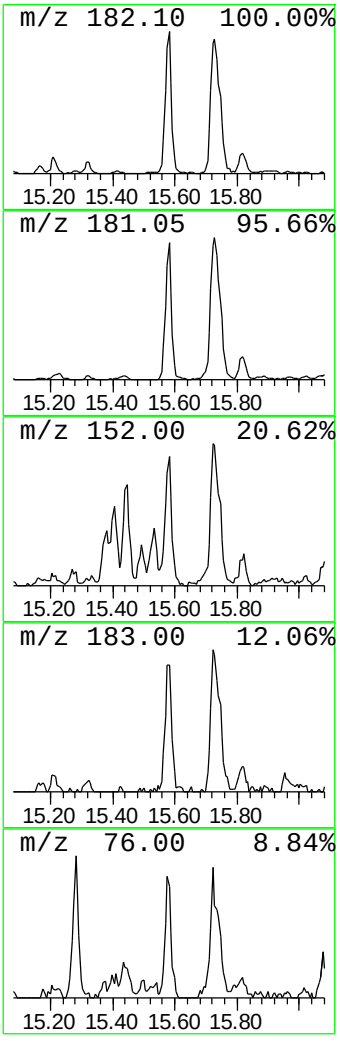
Peak Number 11 9H-Fluoren-9-ol Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.58	7.23 ng/ul	645190	Acenaphthene-d10	14.22

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	83
2	Pyrido[2,3-b]indole, 6-methyl-	182	C12H10N2	108349-67-3	80
3	Dibenzofuran, 4-methyl-	182	C13H10O	007320-53-8	74
4	3-(2-Naphthyl)acrylaldehyde	182	C13H10O	020884-05-3	72
5	Norharmane, N-methyl-	182	C12H10N2	1000374-78-6	64





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Sample : J1244-10DL 30X
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F6B51DL

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM011018.M
Quant Title : SVOA CALIBRATION

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

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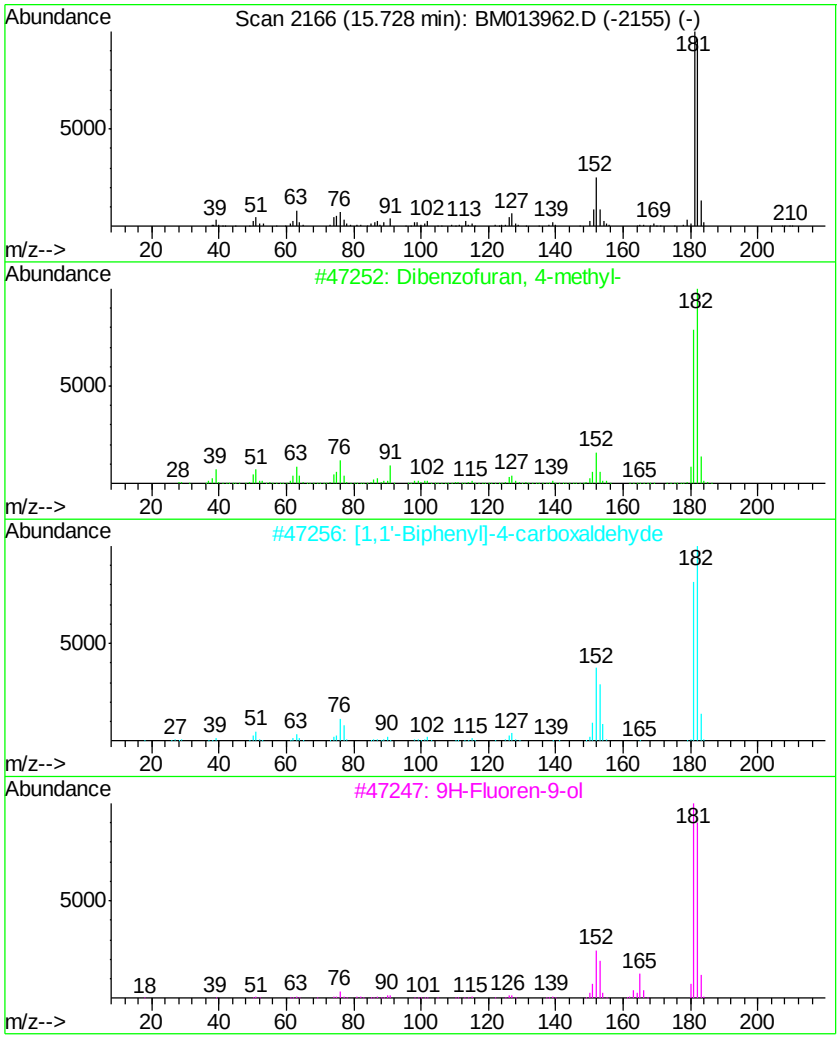
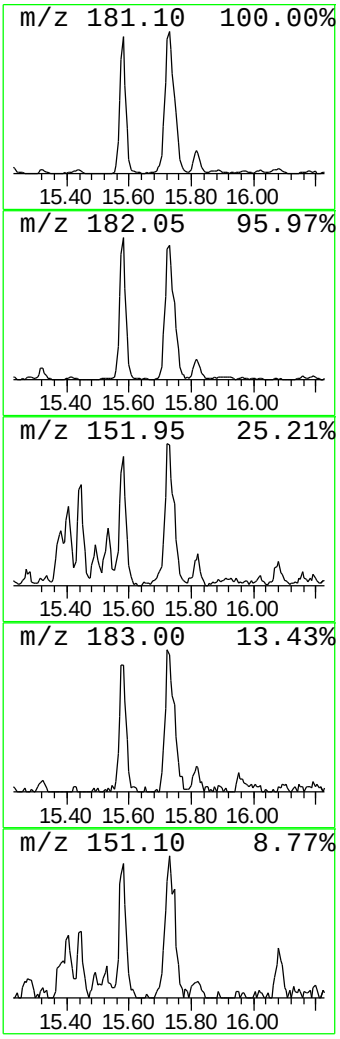
Peak Number 12 Dibenzofuran, 4-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.73	13.50 ng/ul	1074090	Phenanthrene-d10	16.98

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	87
3	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	87
4	[1,1'-Biphenyl]-4-carboxaldehyde	182	C13H10O	003218-36-8	78
5	2,4,6-Cycloheptatrien-1-one, 2-p...	182	C13H10O	014562-09-5	72





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Acq On : 29 Jan 2018 17:41
Operator : SJ/JU
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Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F6B51DL

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM011018.M
Quant Title : SVOA CALIBRATION

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

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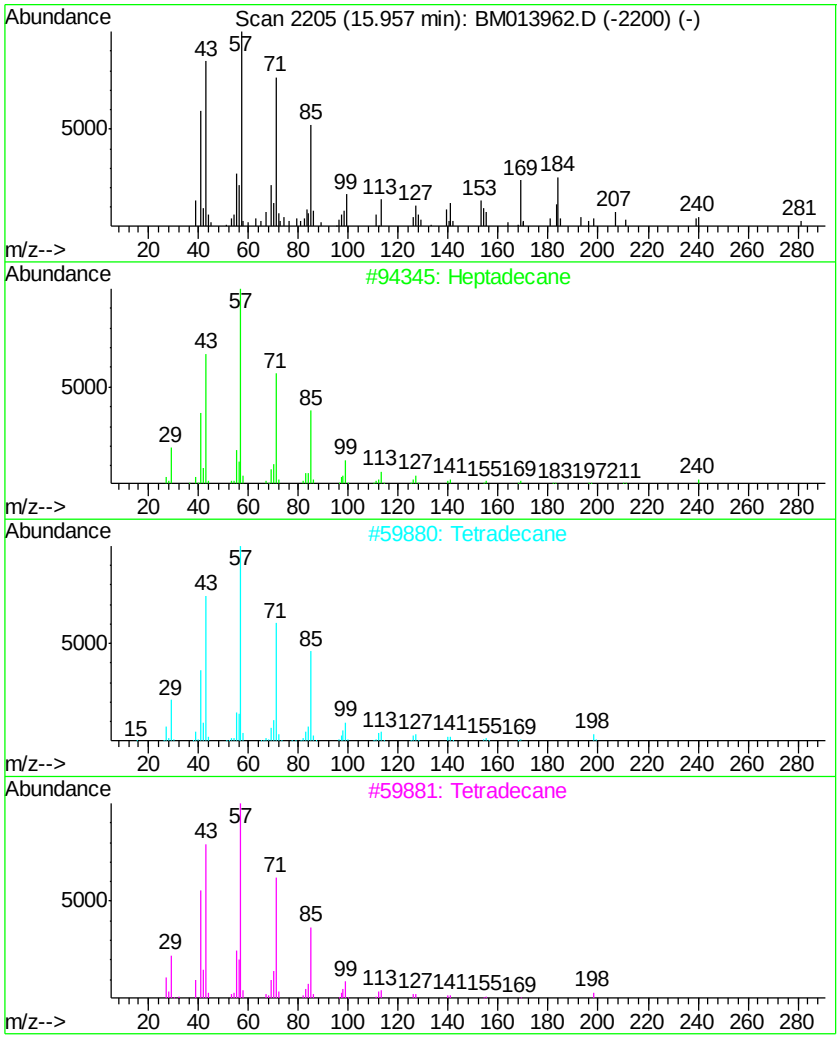
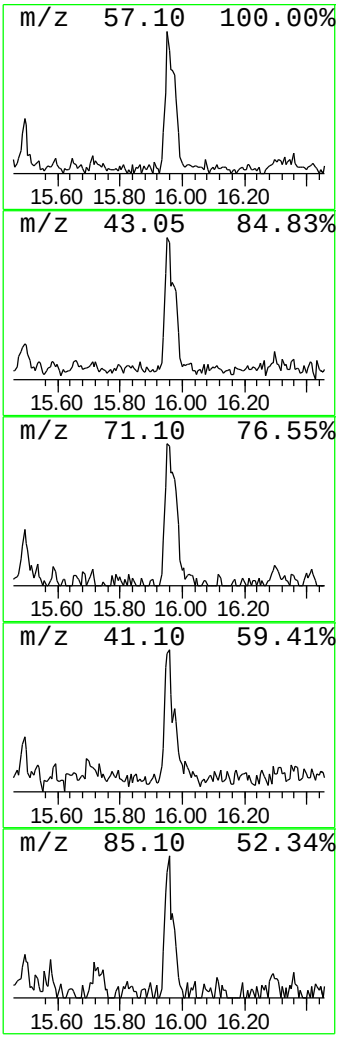
Peak Number 13 (DEL) Alkane: Straight-Chai... Concentration Rank 28

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.96	2.55 ng/ul	202897	Phenanthrene-d10	16.98

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptadecane	240	C17H36	000629-78-7	91
2	Tetradecane	198	C14H30	000629-59-4	60
3	Tetradecane	198	C14H30	000629-59-4	60
4	Heptadecane	240	C17H36	000629-78-7	60
5	Heptadecane	240	C17H36	000629-78-7	60





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Acq On : 29 Jan 2018 17:41
Operator : SJ/JU
Sample : J1244-10DL 30X
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F6B51DL

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM011018.M
Quant Title : SVOA CALIBRATION

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

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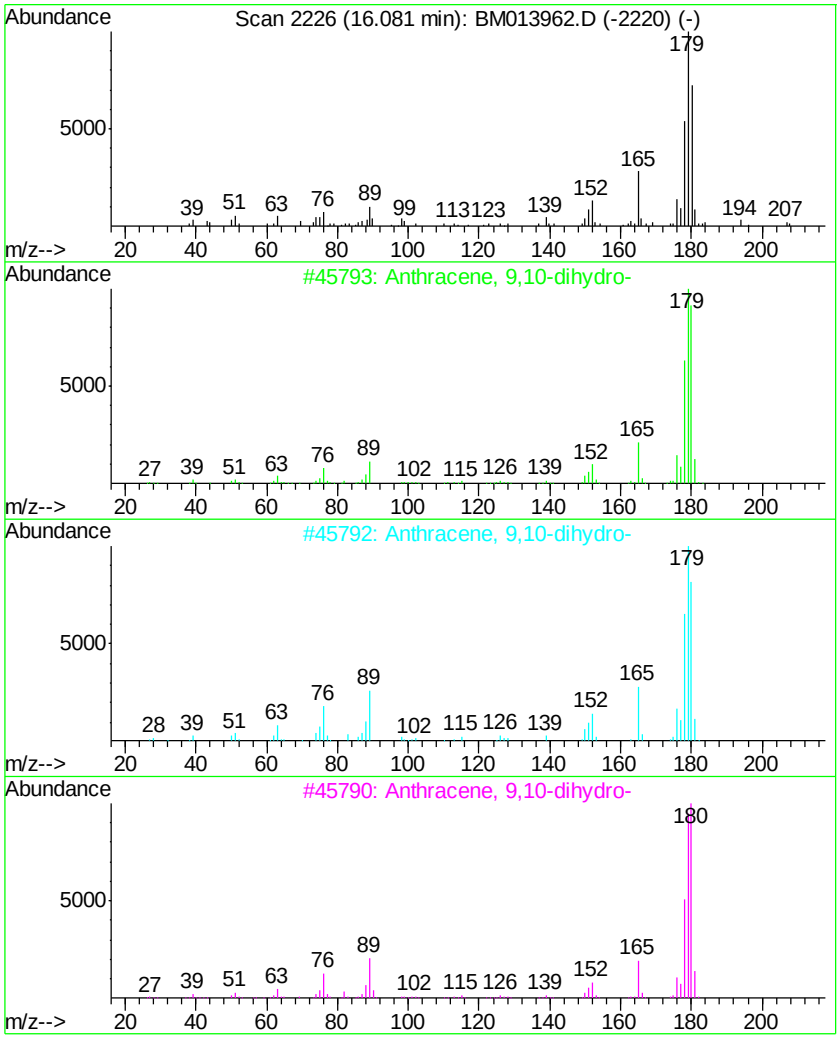
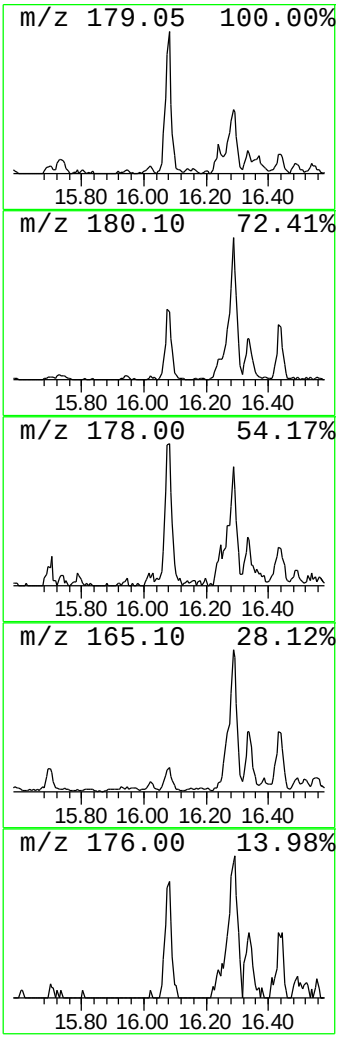
Peak Number 14 Anthracene, 9,10-dihydro- Concentration Rank 24

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.08	2.91 ng/ul	231756	Phenanthrene-d10	16.98

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 9,10-dihydro-	180	C14H12	000613-31-0	95
2	Anthracene, 9,10-dihydro-	180	C14H12	000613-31-0	89
3	Anthracene, 9,10-dihydro-	180	C14H12	000613-31-0	86
4	Phenanthrene, 9,10-dihydro-1-met...	194	C15H14	095676-48-5	74
5	Phenanthrene, 9,10-dihydro-	180	C14H12	000776-35-2	70





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Operator : SJ/JU
Sample : J1244-10DL 30X
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F6B51DL

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM011018.M
Quant Title : SVOA CALIBRATION

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

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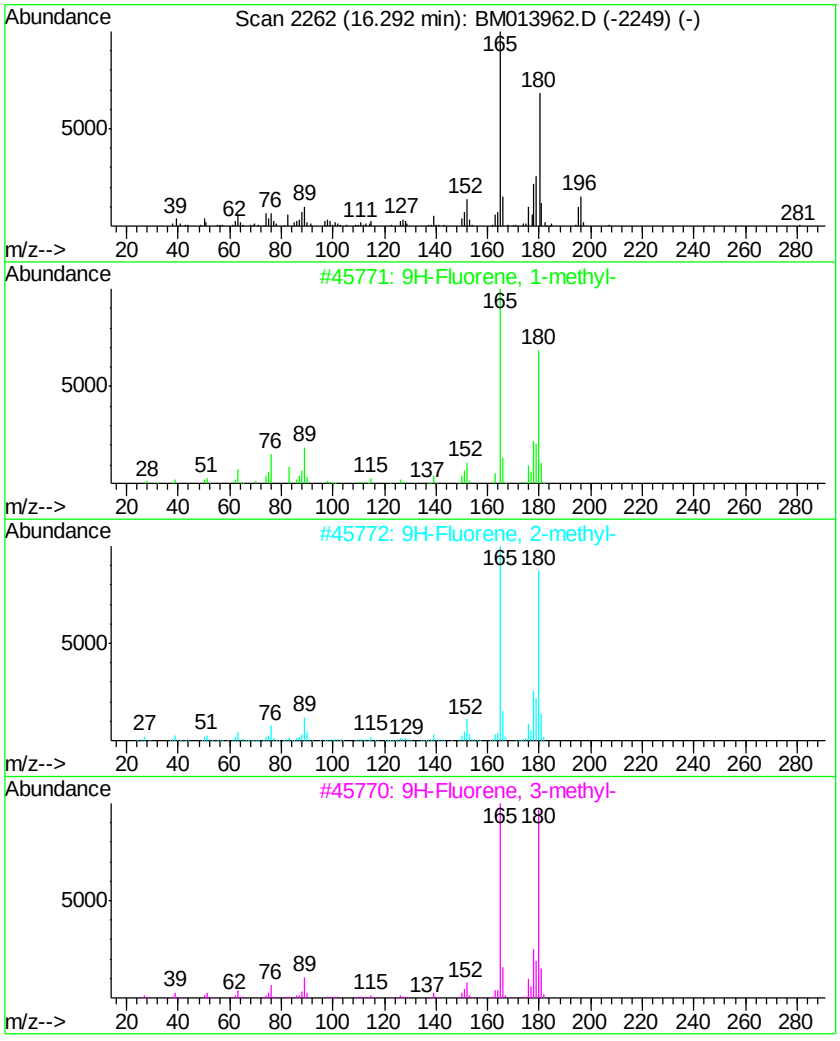
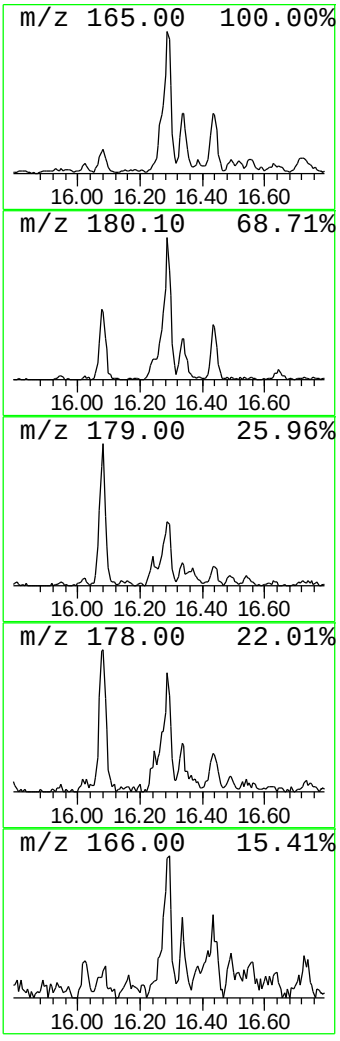
Peak Number 15 9H-Fluorene, 1-methyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.29	7.94 ng/ul	631716	Phenanthrene-d10	16.98

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	95
2	9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	94
3	9H-Fluorene, 3-methyl-	180	C14H12	002523-39-9	93
4	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	93
5	9H-Fluorene, 9-methyl-	180	C14H12	002523-37-7	91





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Operator : SJ/JU
Sample : J1244-10DL 30X
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F6B51DL

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM011018.M
Quant Title : SVOA CALIBRATION

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

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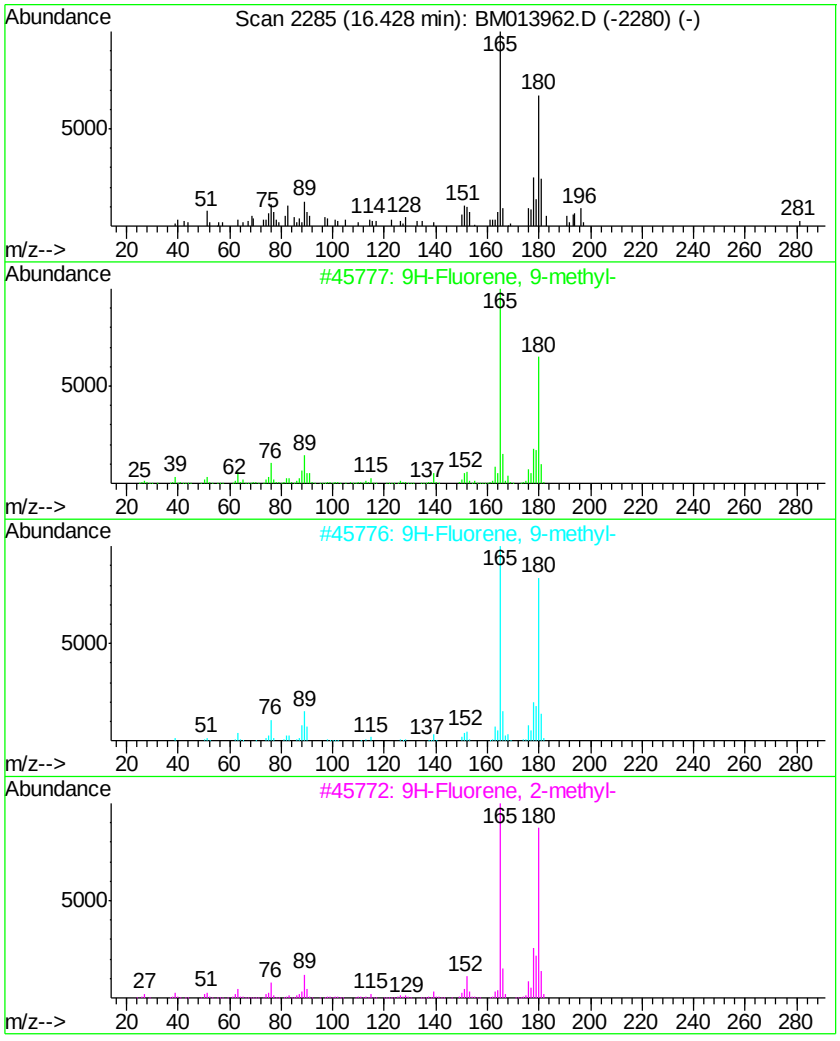
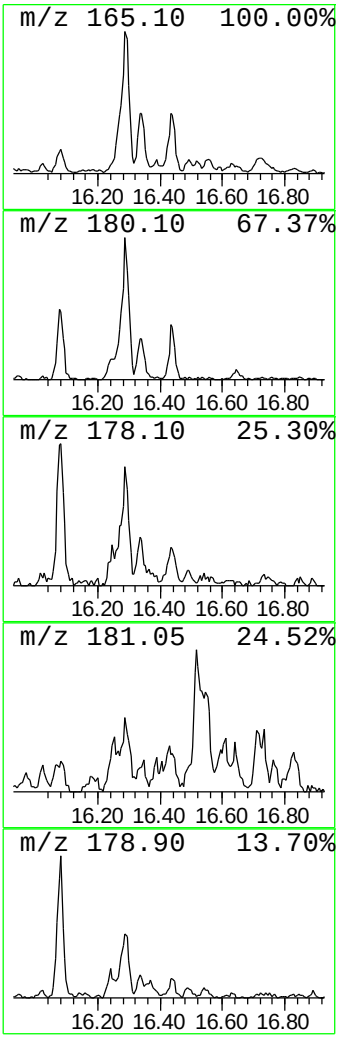
Peak Number 16 9H-Fluorene, 9-methyl- Concentration Rank 25

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.43	2.88 ng/ul	229072	Phenanthrene-d10	16.98

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluorene, 9-methyl-	180	C14H12	002523-37-7	81
2	9H-Fluorene, 9-methyl-	180	C14H12	002523-37-7	81
3	9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	74
4	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	72
5	9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	72





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Operator : SJ/JU
Sample : J1244-10DL 30X
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F6B51DL

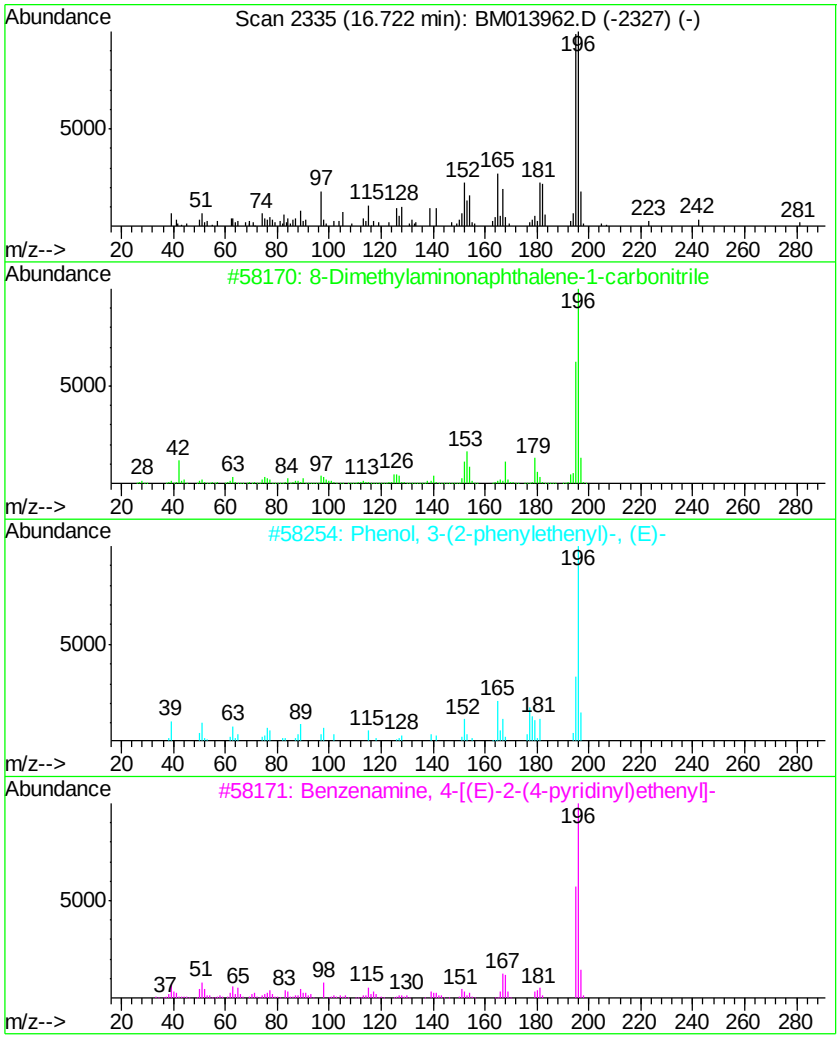
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM011018.M
Quant Title : SVOA CALIBRATION

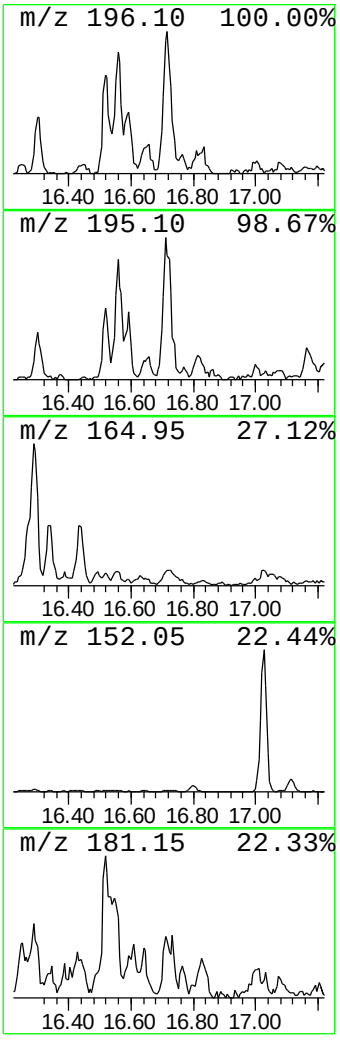
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 17 8-Dimethylaminonaphthalene-... Concentration Rank 29

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.72	2.50 ng/ul	198764	Phenanthrene-d10	16.98

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	8-Dimethylaminonaphthalene-1-car...	196	C13H12N2	128644-69-9	68
2	Phenol, 3-(2-phenylethenyl)-, (E)-	196	C14H12O	017861-18-6	64
3	Benzenamine, 4-[(E)-2-(4-pyridin...	196	C13H12N2	1000351-61-4	62
4	7-Methoxy-piperonylicacid	196	C9H8O5	000526-34-1	53
5	Phenol, 4-(2-phenylethenyl)-, (E)-	196	C14H12O	006554-98-9	53





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Operator : SJ/JU
Sample : J1244-10DL 30X
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F6B51DL

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM011018.M
Quant Title : SVOA CALIBRATION

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

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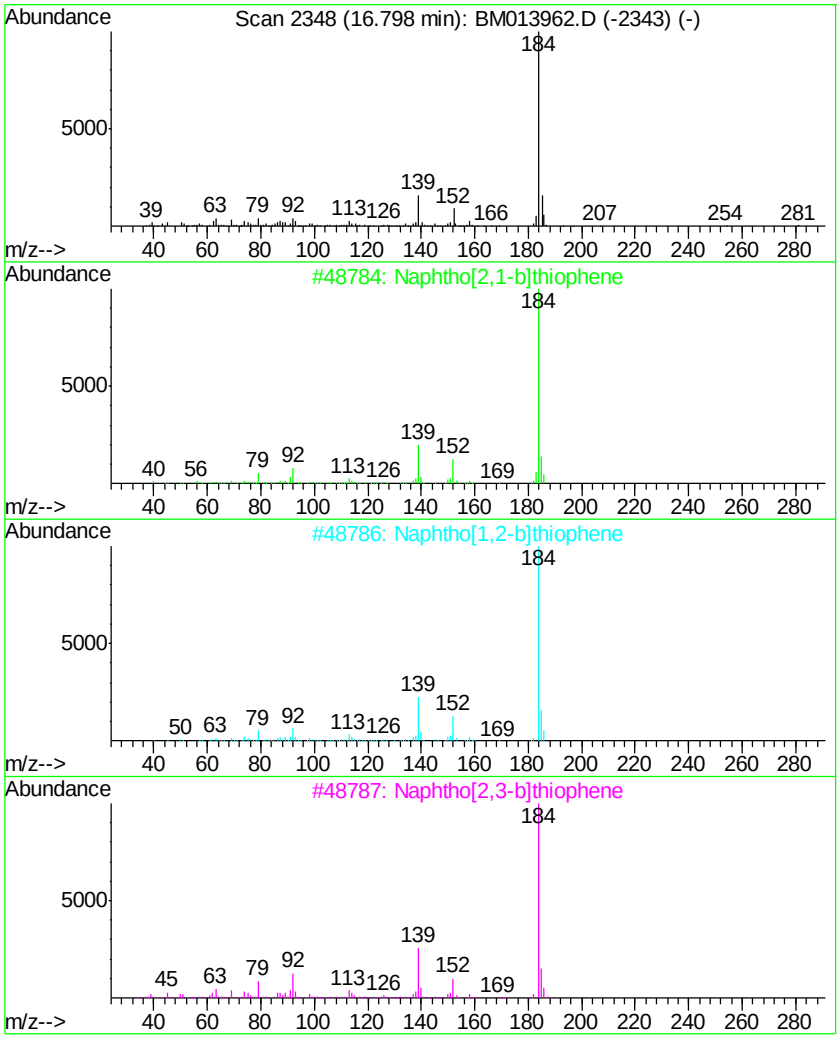
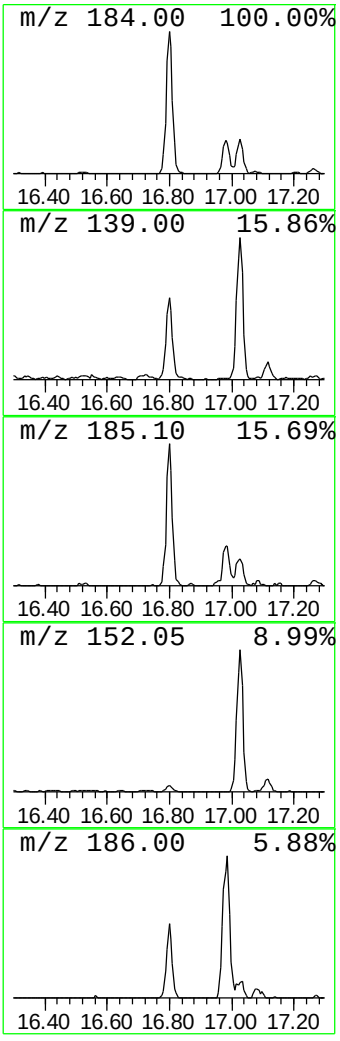
Peak Number 18 Naphtho[2,1-b]thiophene Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.80	11.41 ng/ul	908197	Phenanthrene-d10	16.98

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphtho[2,1-b]thiophene	184	C12H8S	000233-02-3	96
2	Naphtho[1,2-b]thiophene	184	C12H8S	000234-41-3	95
3	Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	94
4	Dibenzothiophene	184	C12H8S	000132-65-0	93
5	Dibenzothiophene	184	C12H8S	000132-65-0	91





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Sample : J1244-10DL 30X
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F6B51DL

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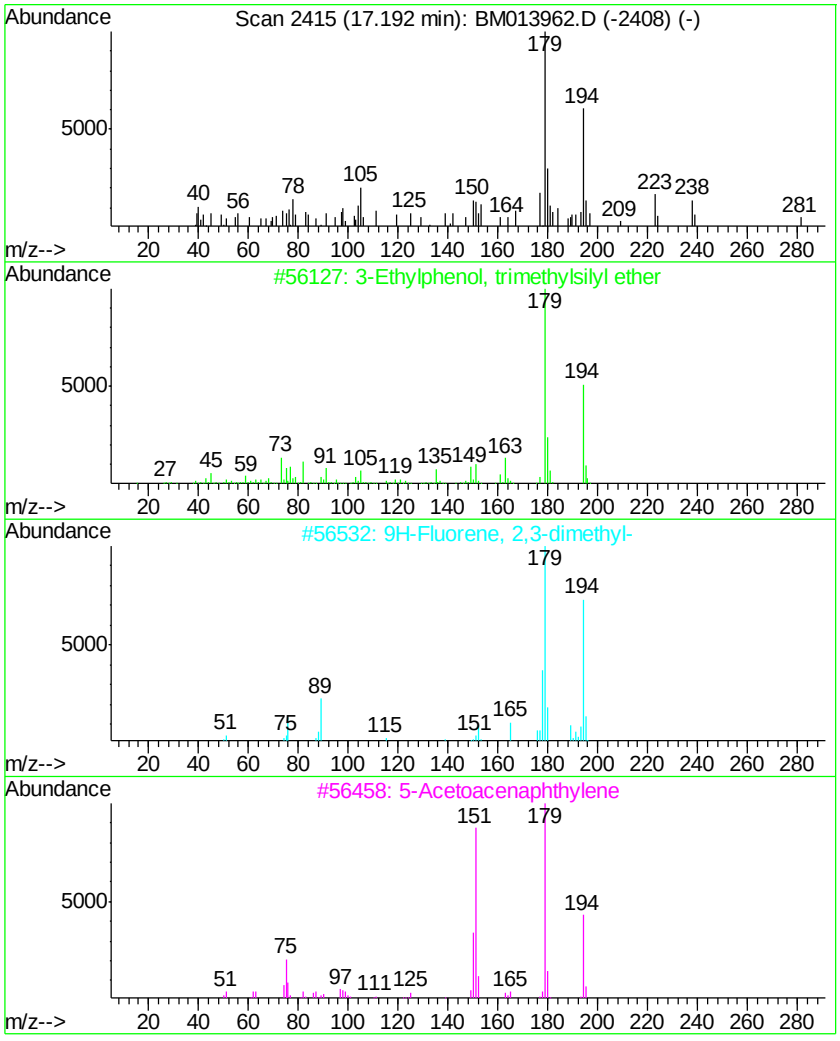
Quant Title : SVOA CALIBRATION

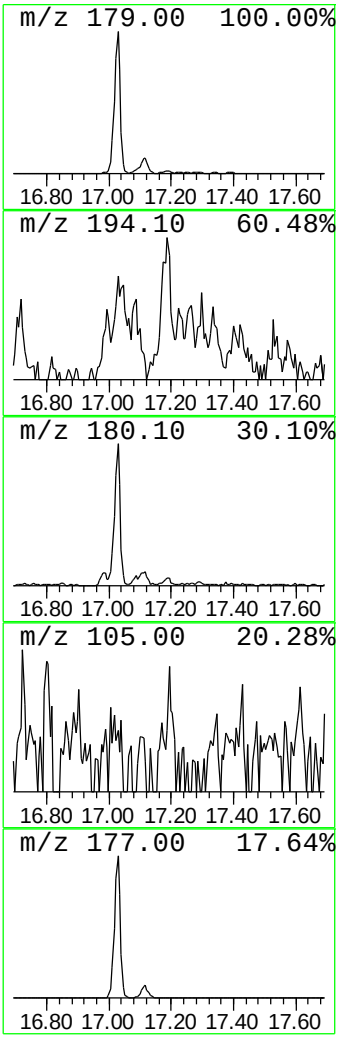
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 19 3-Ethylphenol, trimethylsil... Concentration Rank 26

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.19	2.70 ng/ul	214528	Phenanthrene-d10	16.98

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Ethylphenol, trimethylsilyl ether	194	C11H18OSi	1000333-41-3	68
2	9H-Fluorene, 2,3-dimethyl-	194	C15H14	004612-63-9	58
3	5-Acetoacenaphthylene	194	C14H10O	068399-52-0	58
4	N,N-Diethyl-p-nitroaniline	194	C10H14N2O2	002216-15-1	53
5	Silane, (2,4-dimethylphenoxy)tri...	194	C11H18OSi	016414-81-6	53





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Acq On : 29 Jan 2018 17:41
Operator : SJ/JU
Sample : J1244-10DL 30X
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F6B51DL

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM011018.M
Quant Title : SVOA CALIBRATION

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

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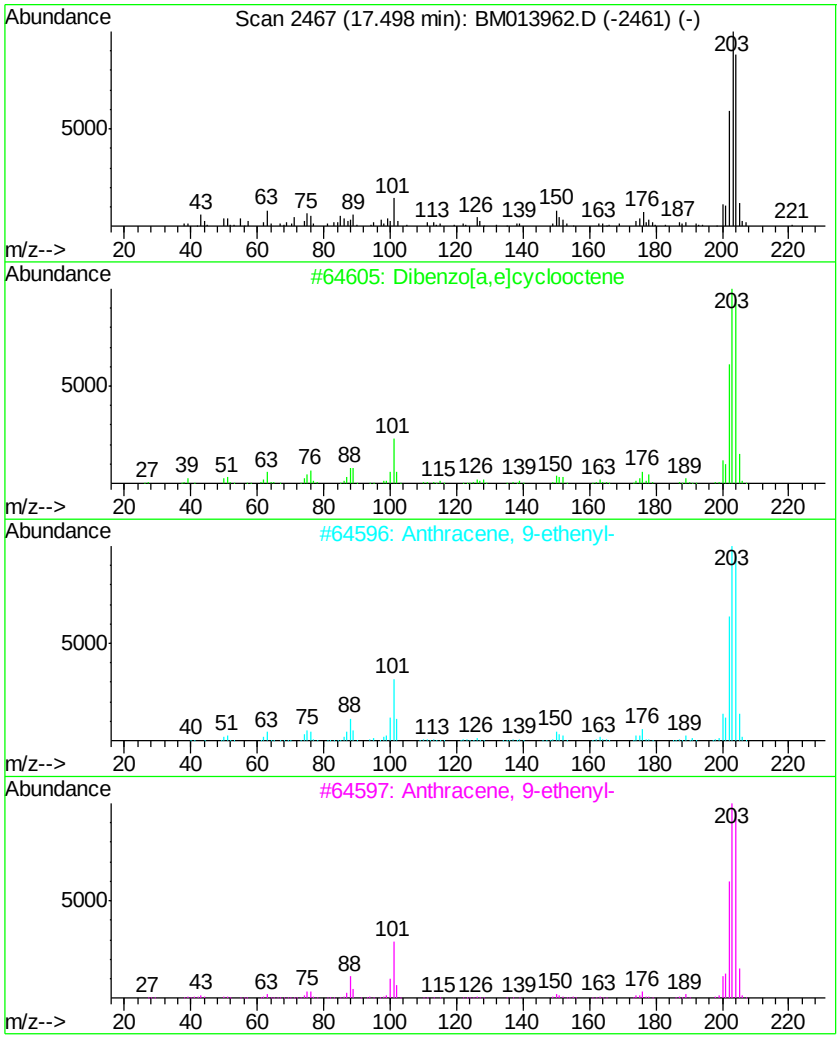
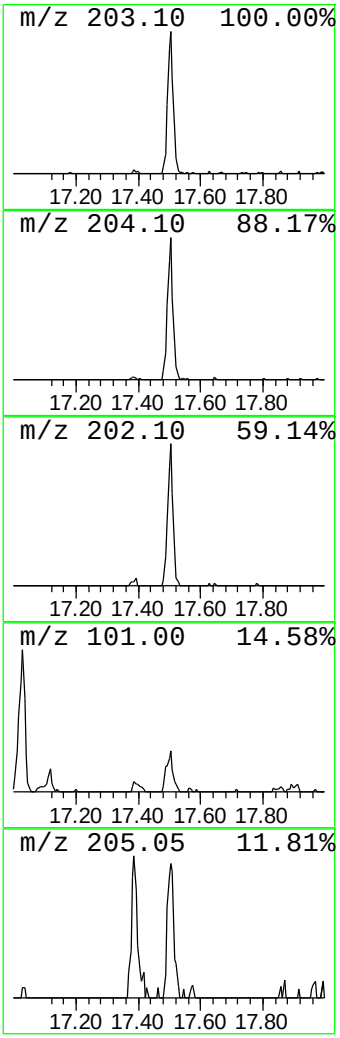
Peak Number 20 Dibenzo[a,e]cyclooctene Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.50	4.00 ng/ul	318139	Phenanthrene-d10	16.98

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzo[a,e]cyclooctene	204	C16H12	000262-89-5	89
2	Anthracene, 9-ethenyl-	204	C16H12	002444-68-0	89
3	Anthracene, 9-ethenyl-	204	C16H12	002444-68-0	86
4	Cyclobuta[1'',2'':3,4:3'',4'':3'...	204	C16H12	006574-36-3	62
5	Anthracene, 9-ethenyl-	204	C16H12	002444-68-0	62





Data Path : Z:\HPCHEM1\BNA M\DATA\BM012918\
Data File : BM013962.D
Acq On : 29 Jan 2018 17:41
Operator : SJ/JU
Sample : J1244-10DL 30X
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F6B51DL

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM011018.M
Quant Title : SVOA CALIBRATION

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

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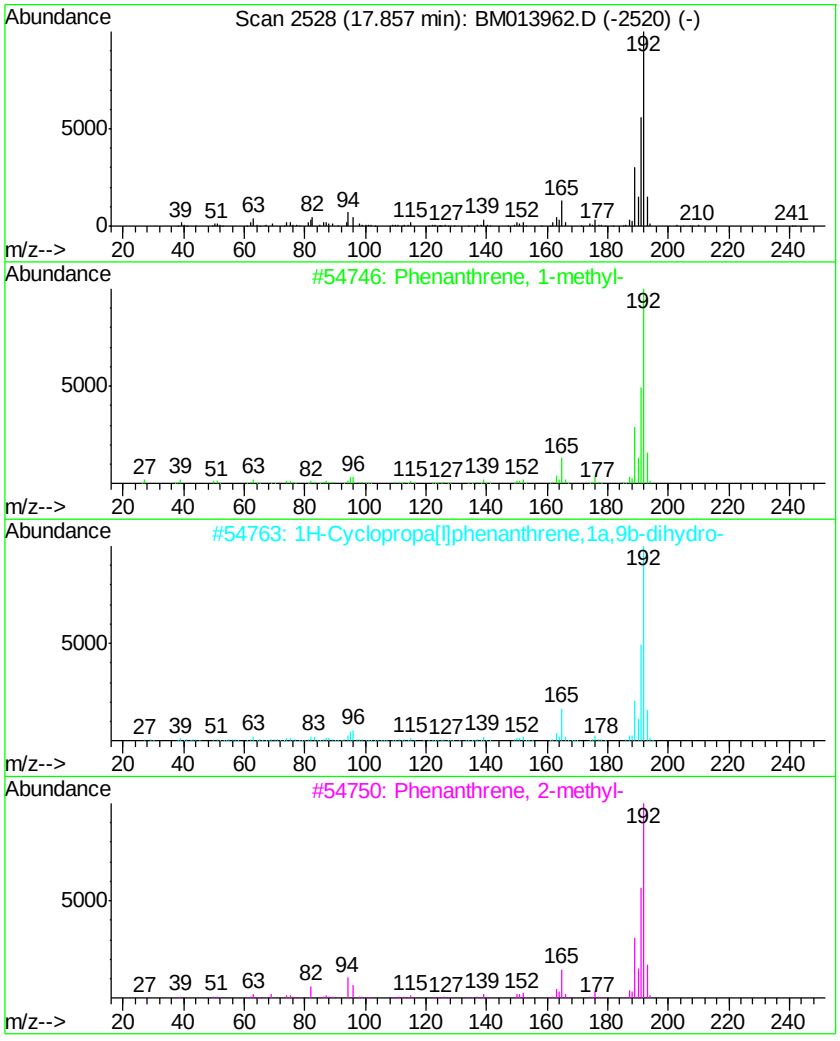
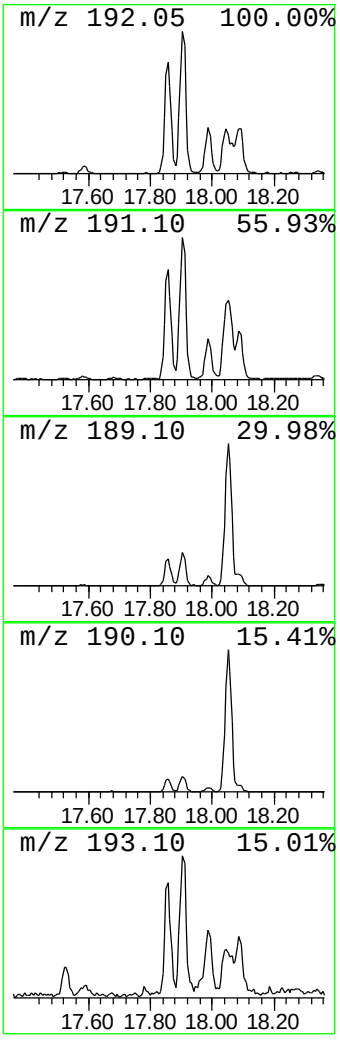
Peak Number 21 Phenanthrene, 1-methyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.86	11.02 ng/ul	877427	Phenanthrene-d10	16.98

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





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Data File : BM013962.D
Acq On : 29 Jan 2018 17:41
Operator : SJ/JU
Sample : J1244-10DL 30X
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F6B51DL

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM011018.M
Quant Title : SVOA CALIBRATION

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

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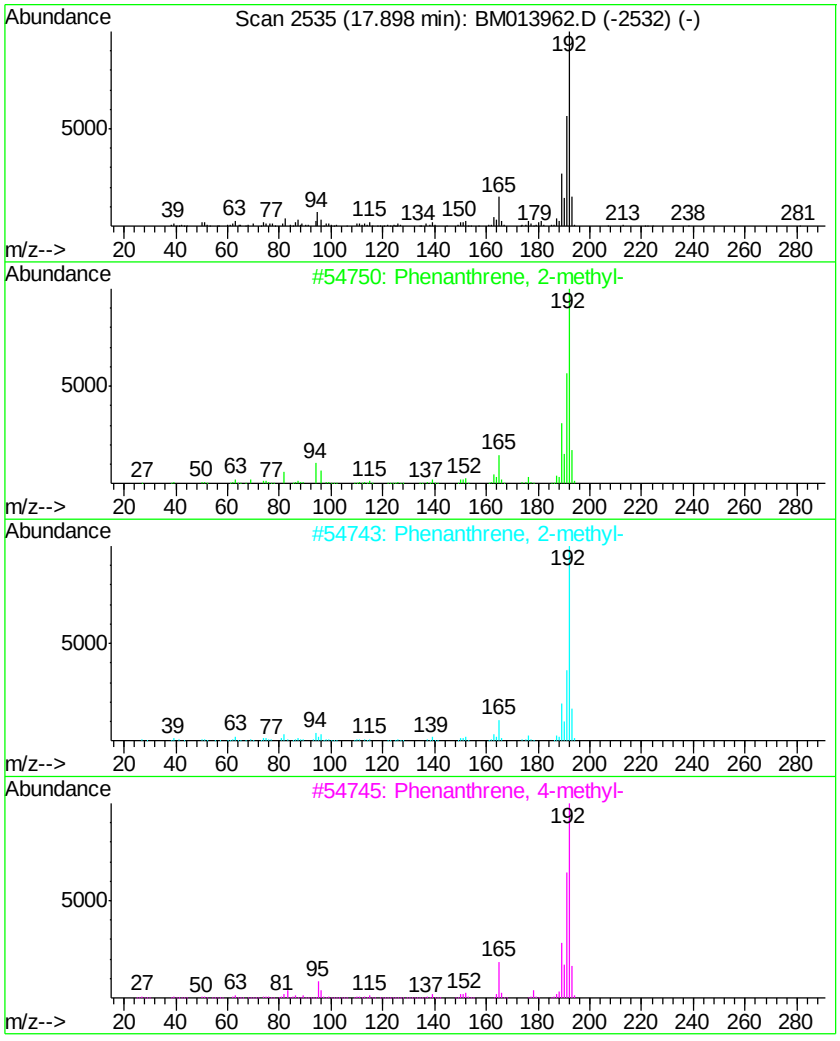
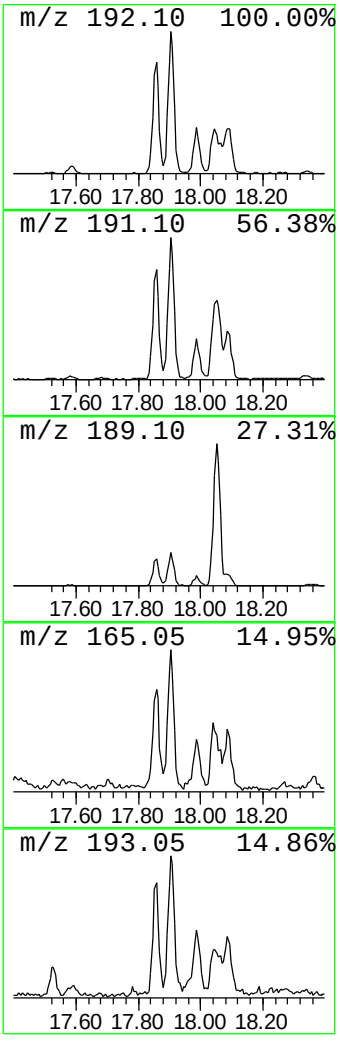
Peak Number 22 Phenanthrene, 2-methyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.90	14.45 ng/ul	1150260	Phenanthrene-d10	16.98

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	95
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	95
3	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	95
4	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	95
5	Anthracene, 9-methyl-	192	C15H12	000779-02-2	95





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Data File : BM013962.D
Acq On : 29 Jan 2018 17:41
Operator : SJ/JU
Sample : J1244-10DL 30X
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F6B51DL

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM011018.M
Quant Title : SVOA CALIBRATION

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

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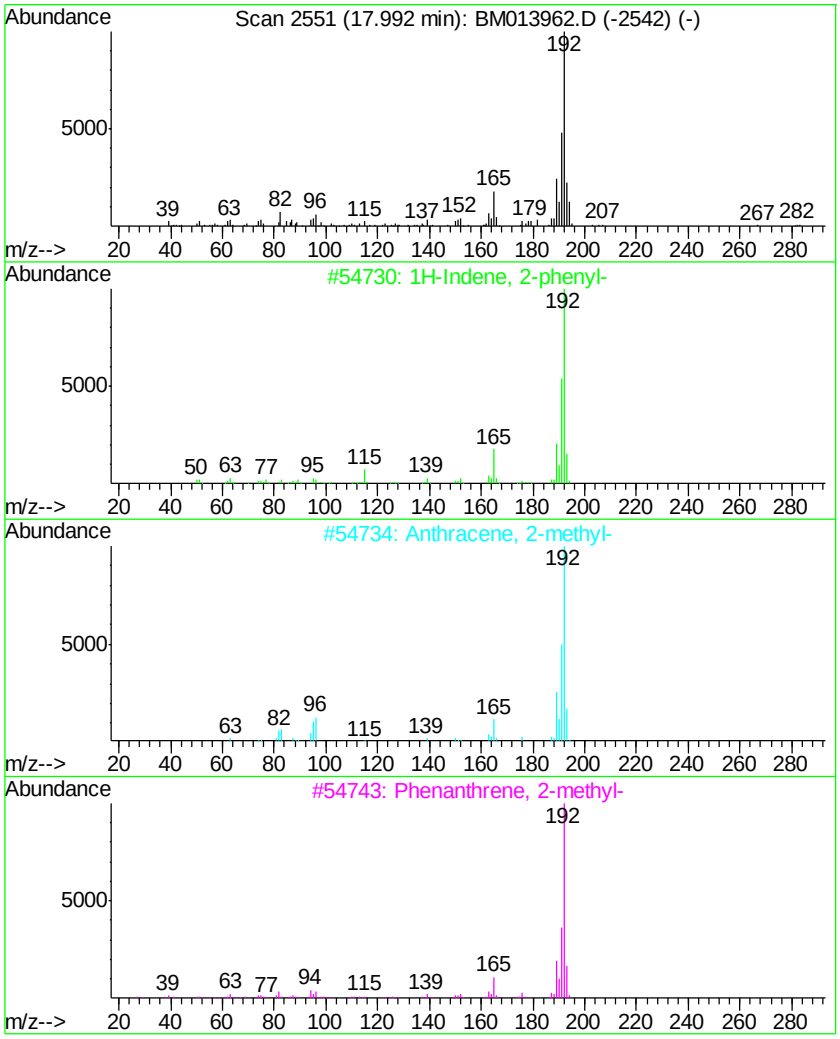
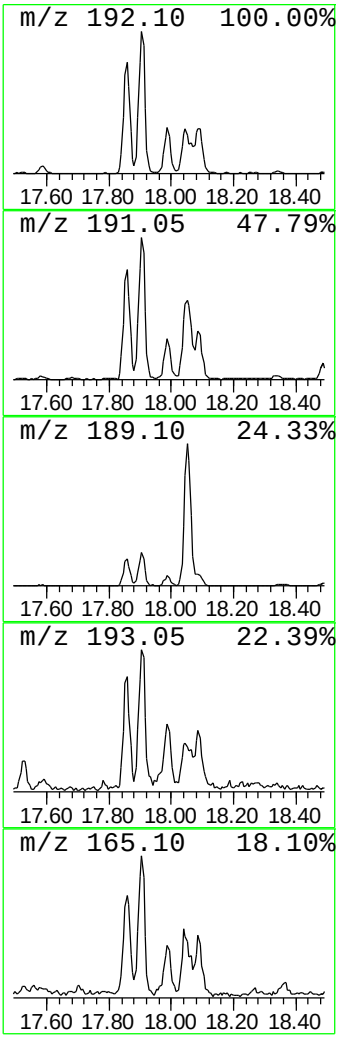
Peak Number 23 1H-Indene, 2-phenyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.99	5.07 ng/ul	403178	Phenanthrene-d10	16.98

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	93
2	Anthracene, 2-methyl-	192	C15H12	000613-12-7	87
3	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	87
4	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	87
5	1H-Indene, 1-phenyl-	192	C15H12	001961-96-2	87





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Data File : BM013962.D
Acq On : 29 Jan 2018 17:41
Operator : SJ/JU
Sample : J1244-10DL 30X
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F6B51DL

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM011018.M
Quant Title : SVOA CALIBRATION

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

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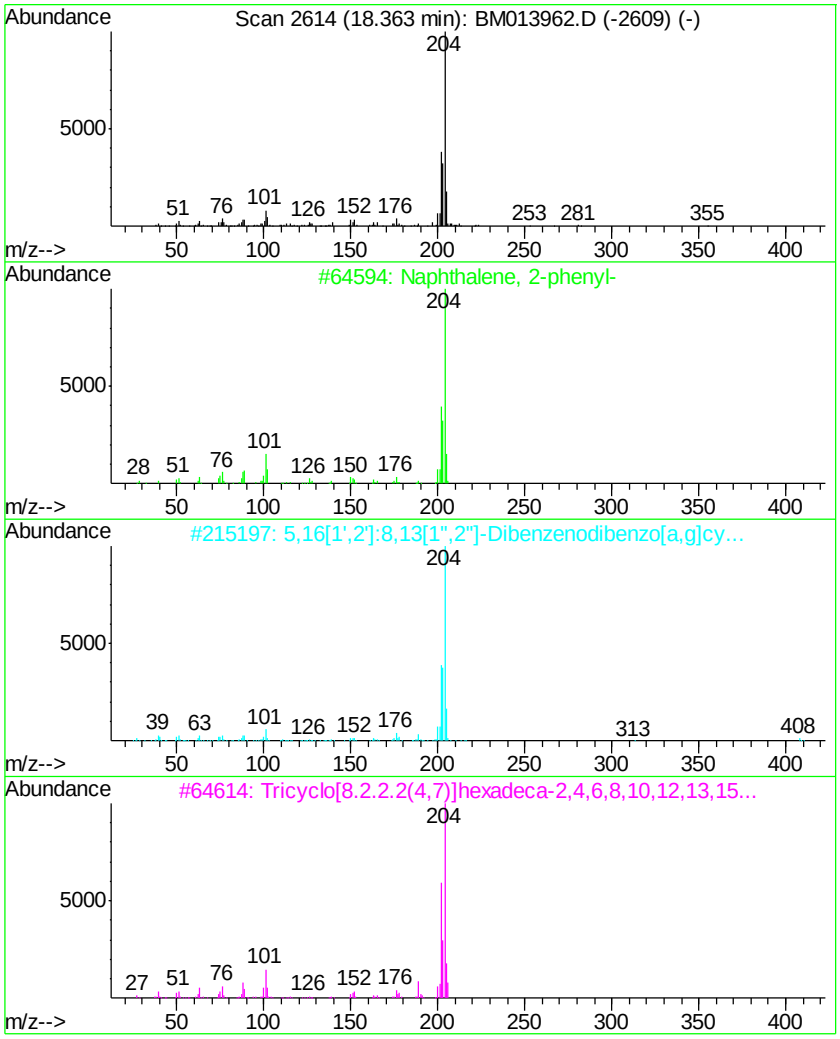
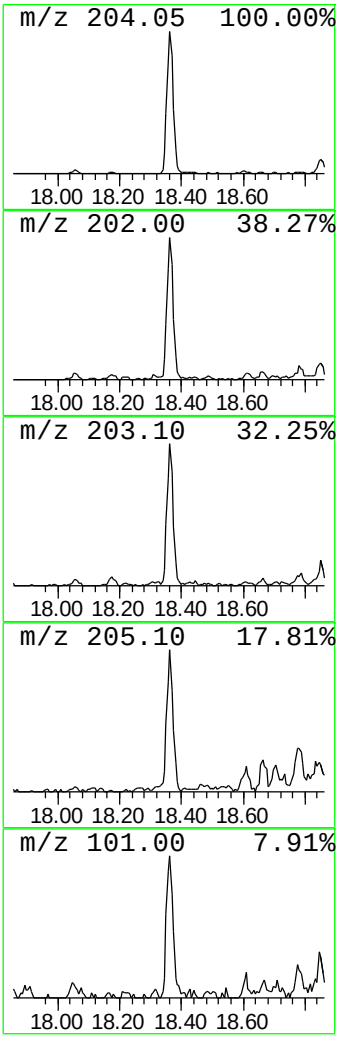
Peak Number 26 Naphthalene, 2-phenyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.36	7.94 ng/ul	631953	Phenanthrene-d10	16.98

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	94
2	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	90
3	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	70
4	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	70
5	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	64





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA M\DATA\BM012918\
Data File : BM013962.D
Acq On : 29 Jan 2018 17:41
Operator : SJ/JU
Sample : J1244-10DL 30X
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F6B51DL

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM011018.M
Quant Title : SVOA CALIBRATION

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

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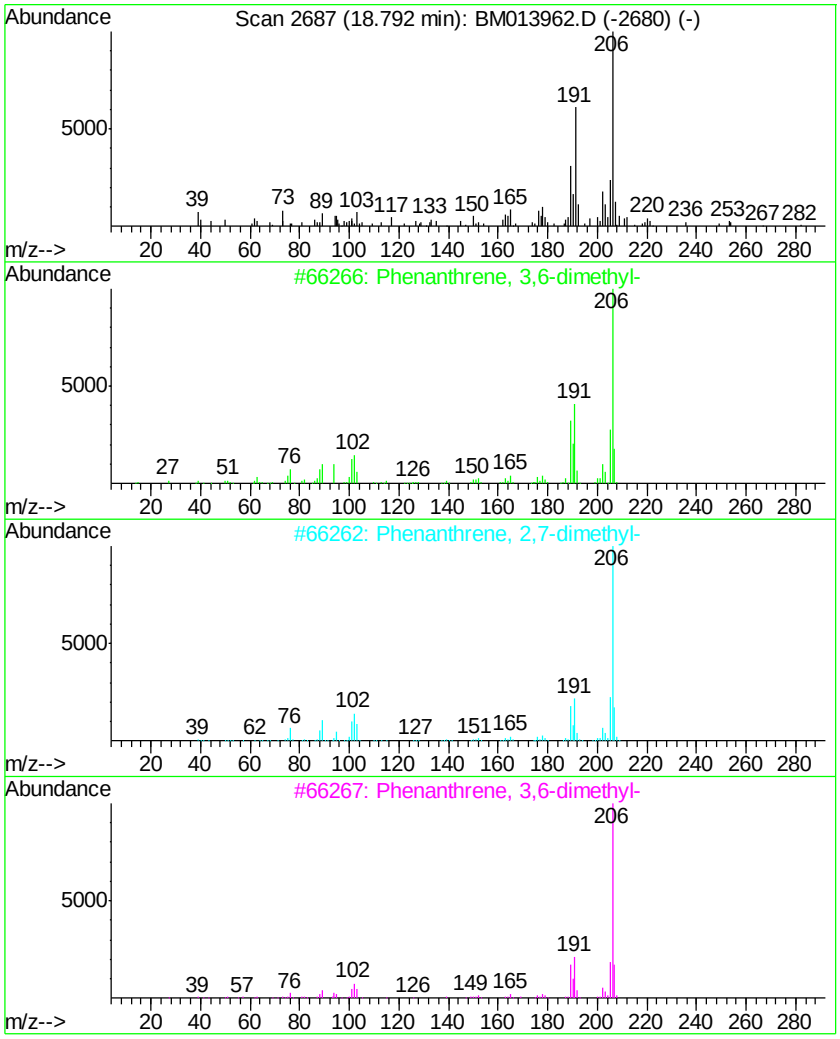
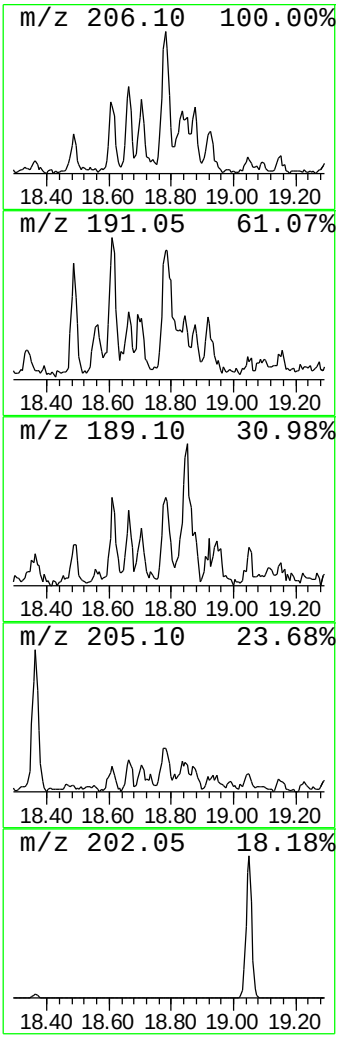
Peak Number 27 Phenanthrene, 3,6-dimethyl- Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.79	3.06 ng/ul	243629	Phenanthrene-d10	16.98

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	87
2	Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	87
3	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	83
4	9,10-Dimethylanthracene	206	C16H14	000781-43-1	83
5	9,10-Dimethylanthracene	206	C16H14	000781-43-1	81





Data Path : Z:\HPCHEM1\BNA M\DATA\BM012918\
Data File : BM013962.D
Acq On : 29 Jan 2018 17:41
Operator : SJ/JU
Sample : J1244-10DL 30X
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F6B51DL

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM011018.M
Quant Title : SVOA CALIBRATION

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

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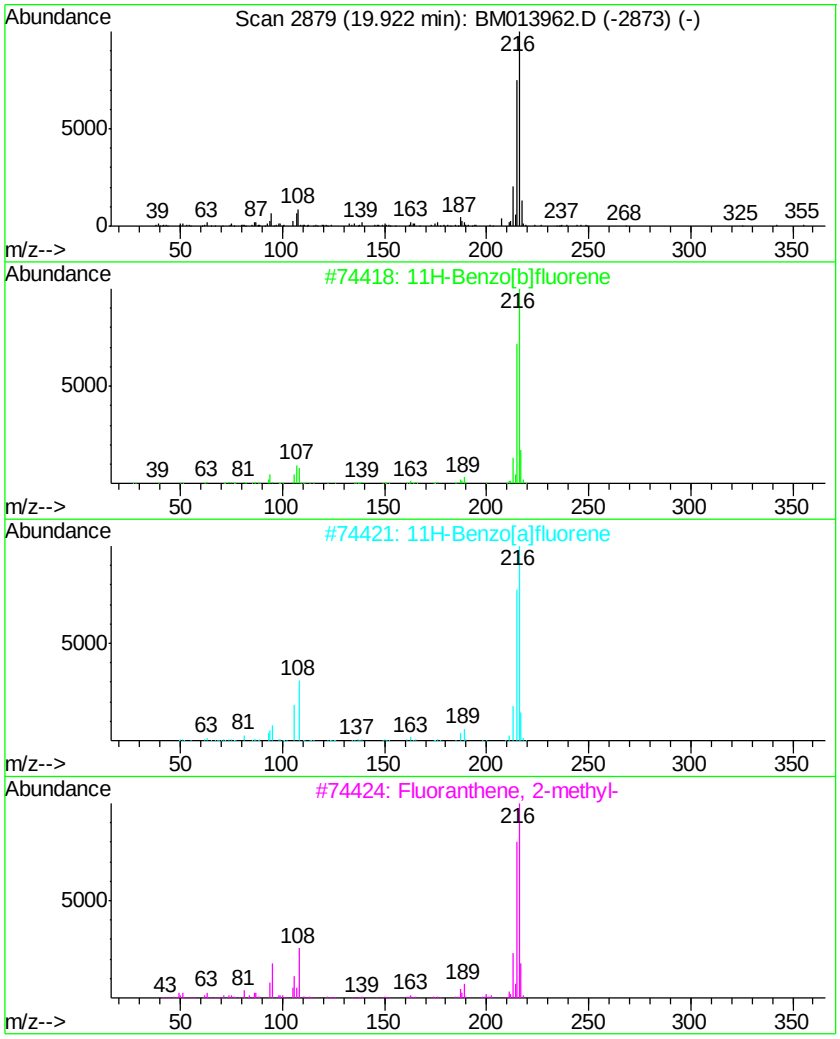
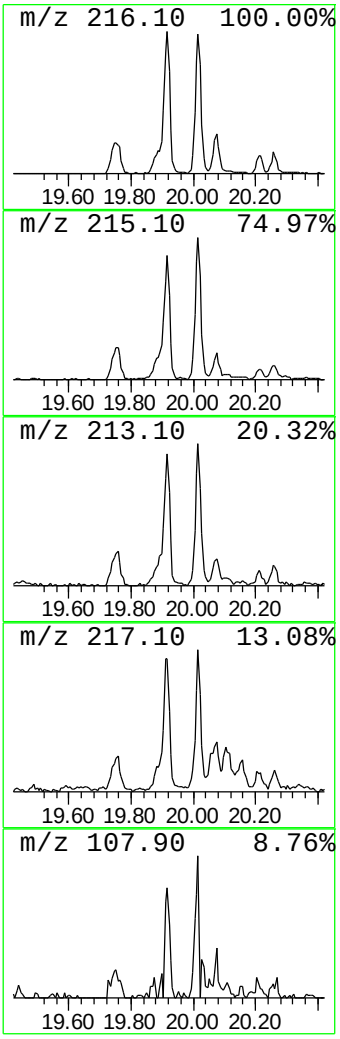
Peak Number 28 11H-Benzo[b]fluorene Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.92	5.09 ng/ul	802083	Chrysene-d12	21.18

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	97
2	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	94
3	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	93
4	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	91
5	Pyrene, 1-methyl-	216	C17H12	002381-21-7	87





Data Path : Z:\HPCHEM1\BNA M\DATA\BM012918\
Data File : BM013962.D
Acq On : 29 Jan 2018 17:41
Operator : SJ/JU
Sample : J1244-10DL 30X
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F6B51DL

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM011018.M
Quant Title : SVOA CALIBRATION

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

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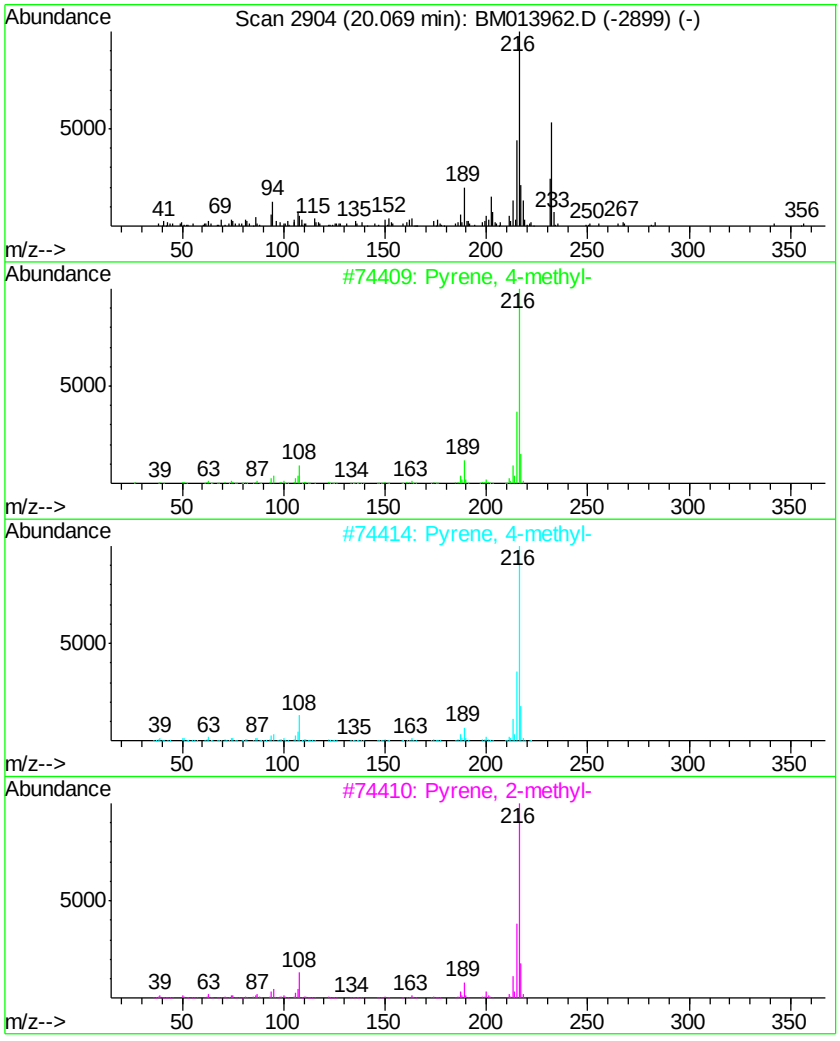
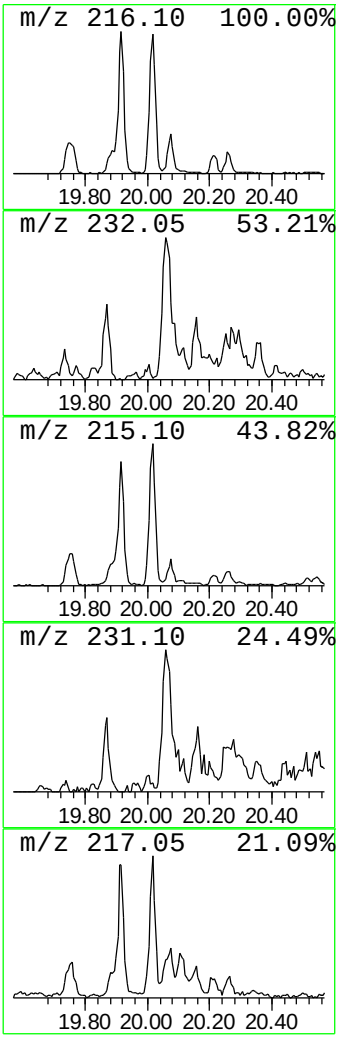
Peak Number 30 Pyrene, 4-methyl- Concentration Rank 31

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.07	2.16 ng/ul	340424	Chrysene-d12	21.18

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 4-methyl-	216	C17H12	003353-12-6	83
2	Pyrene, 4-methyl-	216	C17H12	003353-12-6	70
3	Pyrene, 2-methyl-	216	C17H12	003442-78-2	64
4	1,3-Dihydro-5,6-dimethyl-1-(2-pr...	216	C12H12N2S	080276-22-8	47
5	Pyrene, 1-methyl-	216	C17H12	002381-21-7	46





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM012918\
Data File : BM013962.D
Acq On : 29 Jan 2018 17:41
Operator : SJ/JU
Sample : J1244-10DL 30X
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F6B51DL

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM011018.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...	12.24	44.8	ng/ul	1988210	2	10.35	888027	20.0
Naphthalene, 1-et...	13.25	5.2	ng/ul	462484	3	14.22	1785730	20.0
Naphthalene, 2,7-...	13.54	9.1	ng/ul	814206	3	14.22	1785730	20.0
Naphthalene, 1,6-...	13.60	5.0	ng/ul	444904	3	14.22	1785730	20.0
Naphthalene, 1,4-...	13.78	3.4	ng/ul	301471	3	14.22	1785730	20.0
Naphthalene, 2,3-...	13.95	2.2	ng/ul	196622	3	14.22	1785730	20.0
1-Isopropenylnaph...	14.53	2.6	ng/ul	230641	3	14.22	1785730	20.0
Nordiphenamid	15.44	6.2	ng/ul	555881	3	14.22	1785730	20.0
1,1'-Biphenyl, 4-...	15.53	3.0	ng/ul	271163	3	14.22	1785730	20.0
9H-Fluoren-9-ol	15.58	7.2	ng/ul	645190	3	14.22	1785730	20.0
Dibenzofuran, 4-m...	15.73	13.5	ng/ul	1074090	4	16.98	1591740	20.0
(DEL) Alkane: Str...	15.96	2.5	ng/ul	202897	4	16.98	1591740	20.0
Anthracene, 9,10-...	16.08	2.9	ng/ul	231756	4	16.98	1591740	20.0
9H-Fluorene, 1-me...	16.29	7.9	ng/ul	631716	4	16.98	1591740	20.0
9H-Fluorene, 9-me...	16.43	2.9	ng/ul	229072	4	16.98	1591740	20.0
8-Dimethylaminona...	16.72	2.5	ng/ul	198764	4	16.98	1591740	20.0
Naphtho[2,1-b]thi...	16.80	11.4	ng/ul	908197	4	16.98	1591740	20.0
3-Ethylphenol, tr...	17.19	2.7	ng/ul	214528	4	16.98	1591740	20.0
Dibenzo[a,e]cyclo...	17.50	4.0	ng/ul	318139	4	16.98	1591740	20.0
Phenanthrene, 1-m...	17.86	11.0	ng/ul	877427	4	16.98	1591740	20.0
Phenanthrene, 2-m...	17.90	14.4	ng/ul	1150260	4	16.98	1591740	20.0
1H-Indene, 2-phenyl-	17.99	5.1	ng/ul	403178	4	16.98	1591740	20.0
Naphthalene, 2-ph...	18.36	7.9	ng/ul	631953	4	16.98	1591740	20.0
Phenanthrene, 3,6...	18.79	3.1	ng/ul	243629	4	16.98	1591740	20.0
11H-Benzo[b]fluorene	19.92	5.1	ng/ul	802083	5	21.18	3149010	20.0
Pyrene, 4-methyl-	20.07	2.2	ng/ul	340424	5	21.18	3149010	20.0