LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM121517\
Data File : BM013487.D
Acq On : 16 Dec 2017 21:20
Operator : SJ/JU
Sample : I6778-15DL 10X
Misc :
ALS Vial : 44 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F9A80DL

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	6.851	634	640	652	rVB4	80201	182739	1.88%	0.225%
2	7.016	663	668	675	rBV	70397	113840	1.17%	0.140%
3	7.210	694	701	710	rVV	95224	157840	1.63%	0.194%
4	7.675	773	780	788	rVB	819002	1344535	13.86%	1.655%
5	8.039	835	842	849	rVB	86202	143041	1.47%	0.176%
6	8.204	864	870	876	rVB	106654	177053	1.83%	0.218%
7	8.386	895	901	908	rBV	107895	190431	1.96%	0.234%
8	8.828	971	976	984	rVB4	98708	188869	1.95%	0.232%
9	9.545	1091	1098	1105	rBV2	73820	139819	1.44%	0.172%
10	9.851	1140	1150	1161	rBV7	57713	155045	1.60%	0.191%
11	10.086	1184	1190	1197	rBV2	107908	194855	2.01%	0.240%
12	10.451	1242	1252	1256	rBV	1218231	2163004	22.30%	2.662%
13	10.504	1256	1261	1269	rVV	5190853	8331092	85.91%	10.252%
14	10.616	1273	1280	1287	rVB3	193099	404341	4.17%	0.498%
15	12.116	1528	1535	1544	rVB	1741324	2738017	28.23%	3.369%
16	12.339	1563	1573	1582	rVB	922423	1488222	15.35%	1.831%
17	13.139	1703	1709	1718	rVB	399602	635725	6.56%	0.782%
18	13.339	1737	1743	1755	rVB	200116	374609	3.86%	0.461%
19	13.474	1757	1766	1767	rBV	295693	439164	4.53%	0.540%
20	13.633	1786	1793	1798	rBV	486436	825903	8.52%	1.016%
21	13.686	1798	1802	1806	rVV	317830	473804	4.89%	0.583%
22	13.727	1806	1809	1814	rVV	239727	346253	3.57%	0.426%
23	13.774	1814	1817	1826	rVB2	96200	158845	1.64%	0.195%
24	13.868	1826	1833	1837	rBV	208933	343397	3.54%	0.423%
25	14.004	1849	1856	1859	rBV	269047	438917	4.53%	0.540%
26	14.033	1859	1861	1869	rVB	251625	352100	3.63%	0.433%
27	14.315	1898	1909	1915	rBV3	1779077	3026610	31.21%	3.724%
28	14.380	1915	1920	1928	rVB	1982461	2931636	30.23%	3.607%
29	14.451	1928	1932	1938	rVB	82980	121993	1.26%	0.150%
30	14.527	1939	1945	1953	rBV4	97096	288944	2.98%	0.356%
31	14.627	1953	1962	1967	rVB5	110767	235497	2.43%	0.290%
32	14.715	1967	1977	1985	rBV	1539030	2294978	23.66%	2.824%
33	14.792	1985	1990	1993	rBV2	132392	203382	2.10%	0.250%
34	14.933	2008	2014	2019	rBV3	115093	211833	2.18%	0.261%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM121517\
Data File : BM013487.D
Acq On : 16 Dec 2017 21:20
Operator : SJ/JU
Sample : I6778-15DL 10X
Misc :
ALS Vial : 44 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F9A80DL

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	14.986	2019	2023	2031	rVB	105788	166882	1.72%	0.205%
36	15.110	2037	2044	2047	rBV3	84969	183780	1.90%	0.226%
37	15.310	2072	2078	2082	rBV2	341259	501642	5.17%	0.617%
38	15.368	2082	2088	2098	rVB	2205260	3028652	31.23%	3.727%
39	15.457	2098	2103	2106	rBV4	106973	174404	1.80%	0.215%
40	15.492	2106	2109	2112	rVV	152104	217270	2.24%	0.267%
41	15.527	2112	2115	2120	rVV3	281287	399375	4.12%	0.491%
42	15.580	2120	2124	2127	rVV3	90986	145126	1.50%	0.179%
43	15.615	2127	2130	2133	rVV2	128459	179967	1.86%	0.221%
44	15.662	2133	2138	2147	rVB2	342497	549272	5.66%	0.676%
45	15.810	2149	2163	2171	rBV2	360273	846533	8.73%	1.042%
46	15.898	2171	2178	2182	rVB3	76737	162318	1.67%	0.200%
47	16.039	2193	2202	2211	rVB6	113735	294515	3.04%	0.362%
48	16.162	2215	2223	2231	rBV6	148109	320131	3.30%	0.394%
49	16.374	2247	2259	2263	rBV3	260864	623978	6.43%	0.768%
50	16.421	2263	2267	2273	rVB2	116123	183529	1.89%	0.226%
51	16.521	2278	2284	2288	rVB4	111148	182596	1.88%	0.225%
52	16.639	2300	2304	2308	rVB3	91188	129208	1.33%	0.159%
53	16.798	2326	2331	2334	rBV3	126191	246733	2.54%	0.304%
54	16.880	2341	2345	2355	rVB	520928	819788	8.45%	1.009%
55	17.068	2367	2377	2380	rBV2	2187306	3318338	34.22%	4.083%
56	17.109	2380	2384	2389	rVV	7213782	9697949	100.00%	11.934%
57	17.162	2389	2393	2396	rVV	425669	689348	7.11%	0.848%
58	17.198	2396	2399	2405	rVV	908052	1192134	12.29%	1.467%
59	17.256	2405	2409	2415	rVB4	70658	142246	1.47%	0.175%
60	17.474	2438	2446	2456	rBV	654147	1047002	10.80%	1.288%
61	17.586	2458	2465	2469	rVV3	93480	186512	1.92%	0.230%
62	17.639	2470	2474	2483	rVB3	110259	206307	2.13%	0.254%
63	17.786	2494	2499	2509	rBV3	70969	146357	1.51%	0.180%
64	17.939	2515	2525	2529	rBV	490395	782664	8.07%	0.963%
65	17.986	2529	2533	2540	rVB	702957	986773	10.18%	1.214%
66	18.068	2540	2547	2552	rBV	250390	371577	3.83%	0.457%
67	18.133	2552	2558	2562	rVV2	745676	1281301	13.21%	1.577%
68	18.168	2562	2564	2571	rVV	249849	316463	3.26%	0.389%
69	18.245	2571	2577	2582	rVV5	61917	124963	1.29%	0.154%
70	18.380	2596	2600	2605	rBV4	54246	99049	1.02%	0.122%
71	18.445	2606	2611	2616	rVB	316864	420656	4.34%	0.518%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM121517\
Data File : BM013487.D
Acq On : 16 Dec 2017 21:20
Operator : SJ/JU
Sample : I6778-15DL 10X
Misc :
ALS Vial : 44 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F9A80DL

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	18.780	2664	2668	2672	rVB4	78704	110508	1.14%	0.136%
73	18.862	2676	2682	2686	rBV2	142798	260046	2.68%	0.320%
74	18.927	2686	2693	2696	rBV6	61914	118866	1.23%	0.146%
75	19.003	2701	2706	2713	rVB5	50325	137948	1.42%	0.170%
76	19.127	2721	2727	2735	rBV	3220570	4197964	43.29%	5.166%
77	19.368	2764	2768	2772	rBV	78432	112252	1.16%	0.138%
78	19.462	2778	2784	2786	rBV3	823383	1264196	13.04%	1.556%
79	19.492	2786	2789	2798	rVV	1922471	2629138	27.11%	3.235%
80	19.562	2798	2801	2809	rVB4	118632	194685	2.01%	0.240%
81	19.674	2815	2820	2824	rBV	109256	155079	1.60%	0.191%
82	19.821	2838	2845	2851	rBV5	119555	305707	3.15%	0.376%
83	19.950	2862	2867	2869	rBV4	94574	178992	1.85%	0.220%
84	19.986	2869	2873	2880	rVB	370097	534260	5.51%	0.657%
85	20.086	2886	2890	2895	rBV2	370556	507118	5.23%	0.624%
86	20.145	2895	2900	2904	rVB3	119989	197075	2.03%	0.243%
87	20.333	2929	2932	2938	rVB3	81196	106666	1.10%	0.131%
88	20.509	2957	2962	2966	rBV5	62769	105760	1.09%	0.130%
89	20.903	3025	3029	3032	rBV	127854	158936	1.64%	0.196%
90	20.939	3032	3035	3038	rVV2	100334	129922	1.34%	0.160%
91	20.974	3038	3041	3047	rVB3	103344	171118	1.76%	0.211%
92	21.256	3082	3089	3093	rBV2	2409740	3680373	37.95%	4.529%
93	21.291	3093	3095	3101	rVB	404320	463911	4.78%	0.571%
94	21.409	3112	3115	3119	rBV4	91960	119136	1.23%	0.147%
95	21.568	3139	3142	3146	rVB3	80138	110983	1.14%	0.137%
96	22.809	3349	3353	3366	rVB2	193593	583734	6.02%	0.718%
97	23.338	3438	3443	3447	rBV	145202	291032	3.00%	0.358%
98	23.480	3460	3467	3474	rBV	1149995	2258134	23.28%	2.779%

Sum of corrected areas: 81265210

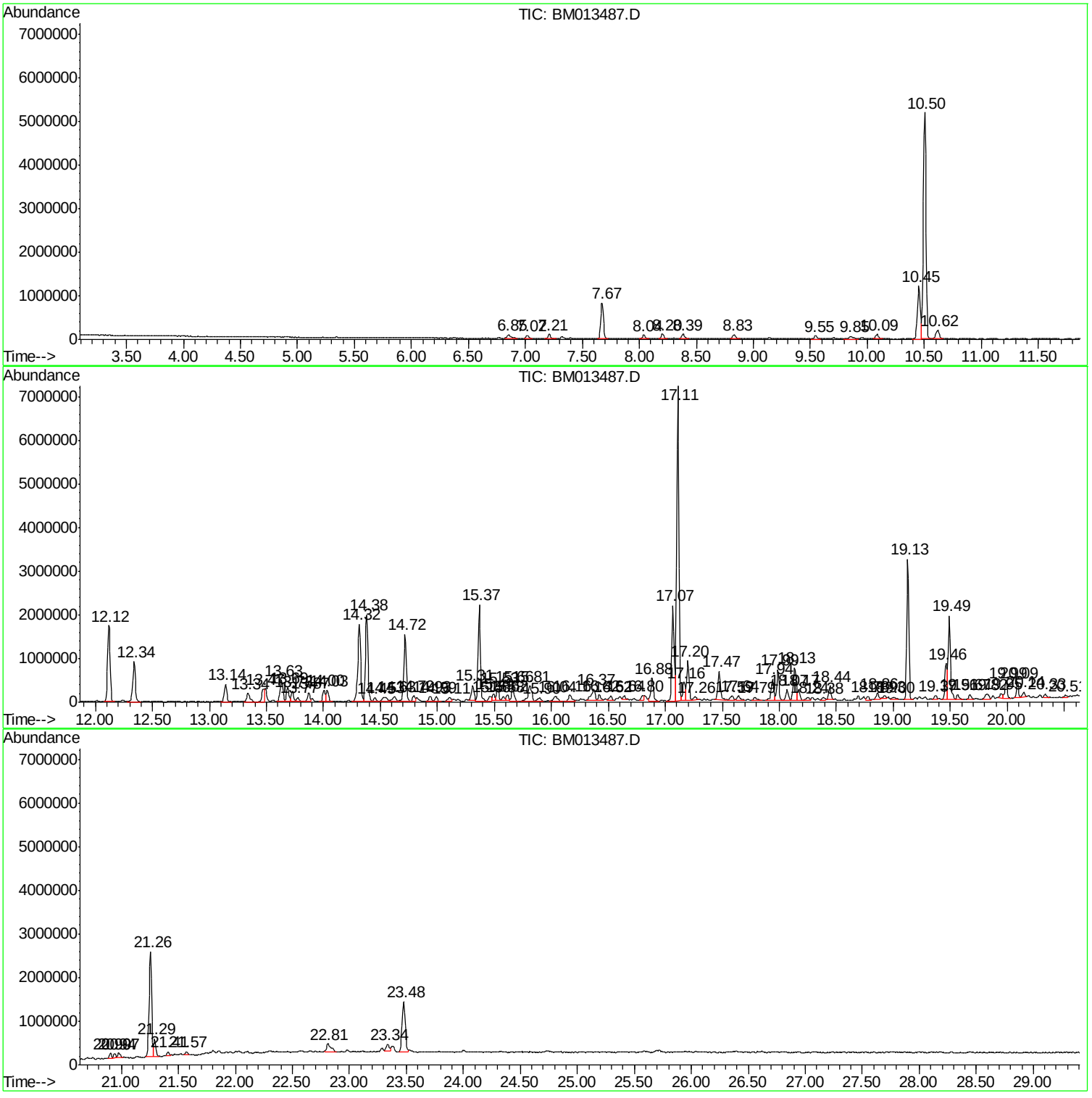
LSC Report - Integrated Chromatogram

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM121517\
Data File : BM013487.D
Acq On : 16 Dec 2017 21:20
Operator : SJ/JU
Sample : I6778-15DL 10X
Misc :
ALS Vial : 44 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F9A80DL

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



Data Path : Z:\HPCHEM1\BNA_M\DATA\BM121517\
Data File : BM013487.D
Acq On : 16 Dec 2017 21:20
Operator : SJ/JU
Sample : I6778-15DL 10X
Misc :
ALS Vial : 44 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F9A80DL

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

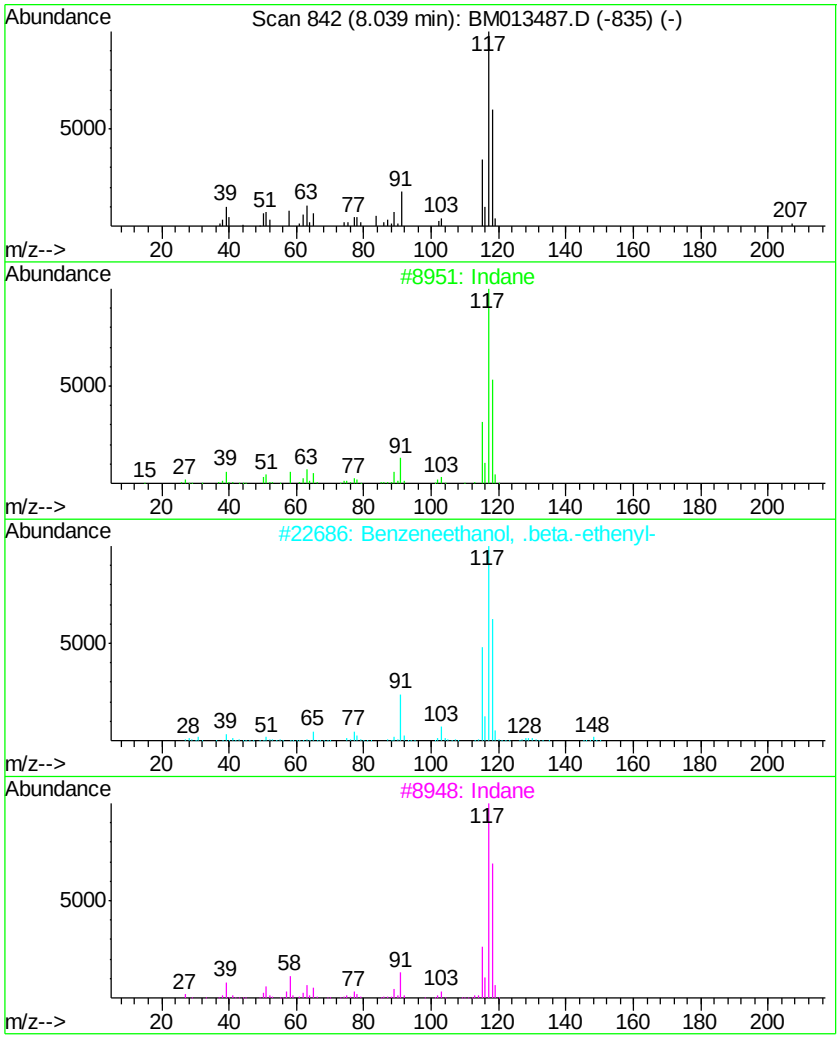
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

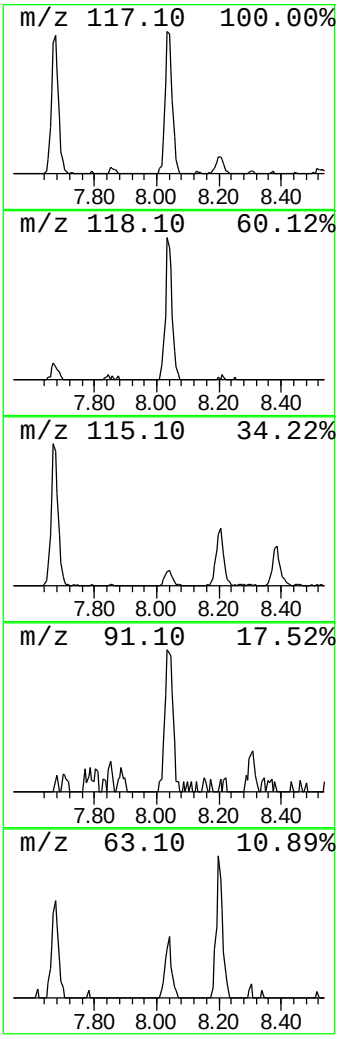
****

Peak Number 1 Indane Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.04	2.13 ng/ul	143041	1,4-Dichlorobenzene-d4	7.67

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indane	118	C9H10	000496-11-7	81
2	Benzeneethanol, .beta.-ethenyl-	148	C10H12O	006052-63-7	78
3	Indane	118	C9H10	000496-11-7	72
4	Benzene, cyclopropyl-	118	C9H10	000873-49-4	72
5	Tetracyclo[3.3.1.0(2,8).0(4,6)]-...	118	C9H10	1000191-13-7	72





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM121517\
Data File : BM013487.D
Acq On : 16 Dec 2017 21:20
Operator : SJ/JU
Sample : I6778-15DL 10X
Misc :
ALS Vial : 44 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F9A80DL

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

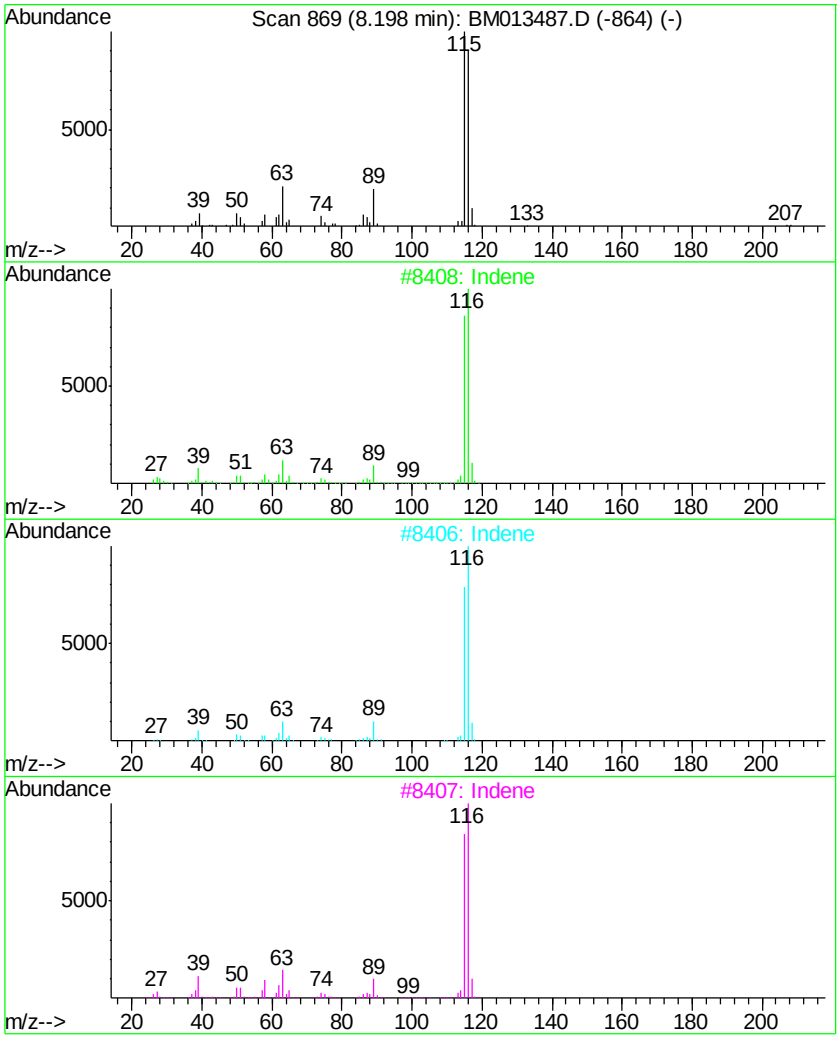
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

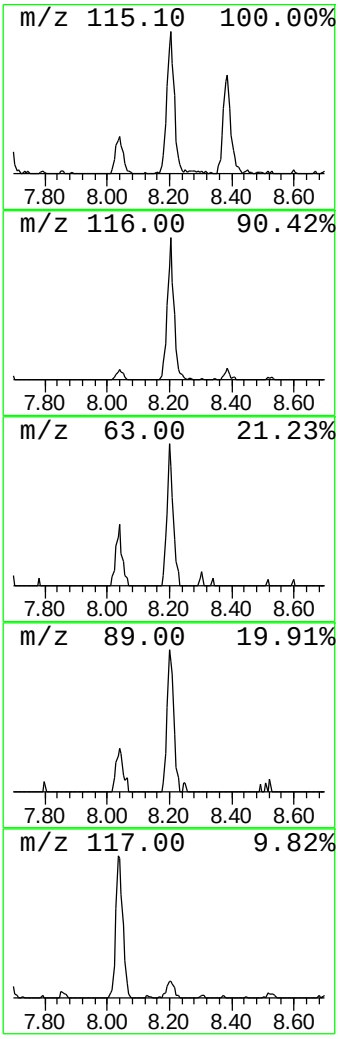
****

Peak Number 2 Indene Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.20	2.63 ng/ul	177053	1,4-Dichlorobenzene-d4	7.67

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indene	116	C9H8	000095-13-6	94
2	Indene	116	C9H8	000095-13-6	91
3	Indene	116	C9H8	000095-13-6	91
4	3-Methylphenylacetylene	116	C9H8	000766-82-5	91
5	Benzene, 1-propynyl-	116	C9H8	000673-32-5	91





Data Path : Z:\HPCHEM1\BNA_M\DATA\BM121517\
Data File : BM013487.D
Acq On : 16 Dec 2017 21:20
Operator : SJ/JU
Sample : I6778-15DL 10X
Misc :
ALS Vial : 44 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F9A80DL

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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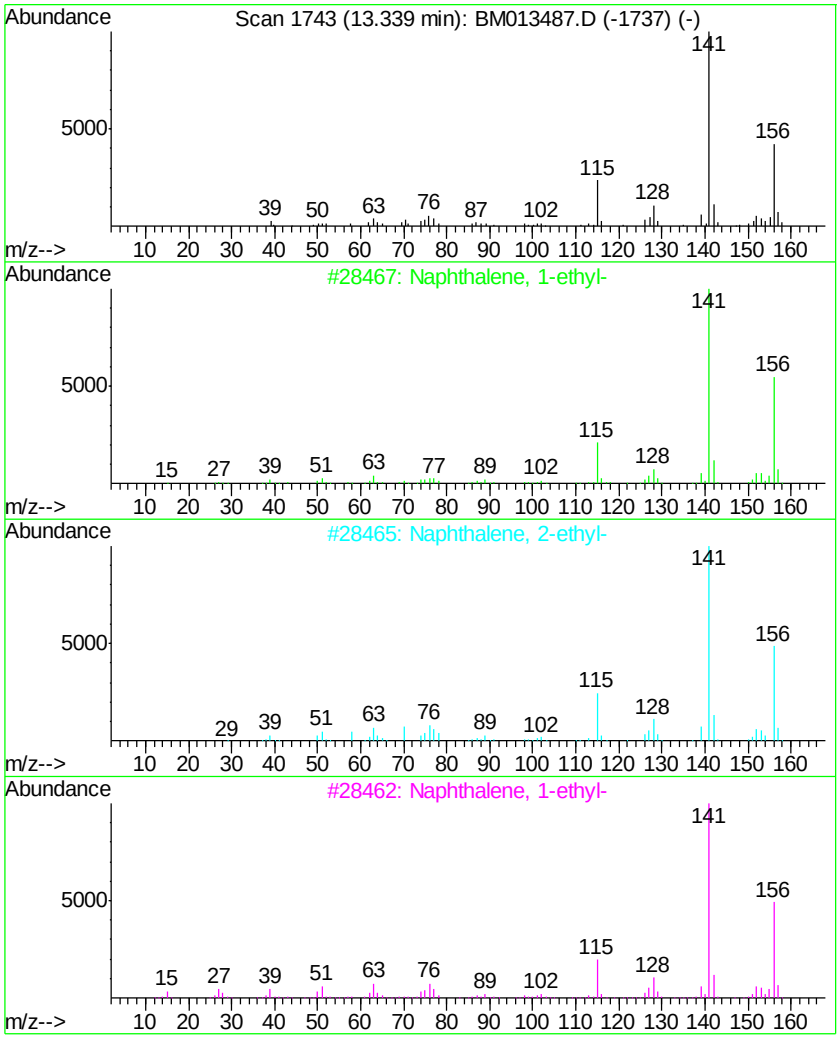
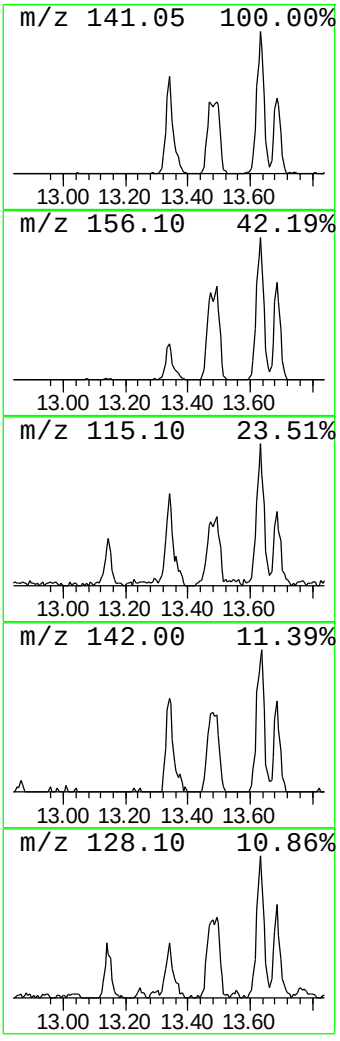
Peak Number 4 Naphthalene, 1-ethyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.34	2.48 ng/ul	374609	Acenaphthene-d10	14.32

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	96
3	Naphthalene, 1-ethyl-	156	C12H12	001127-76-0	95
4	Naphthalene, 1-ethyl-	156	C12H12	001127-76-0	94
5	Naphthalene, 2-ethyl-	156	C12H12	000939-27-5	94





Data Path : Z:\HPCHEM1\BNA_M\DATA\BM121517\
Data File : BM013487.D
Acq On : 16 Dec 2017 21:20
Operator : SJ/JU
Sample : I6778-15DL 10X
Misc :
ALS Vial : 44 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F9A80DL

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

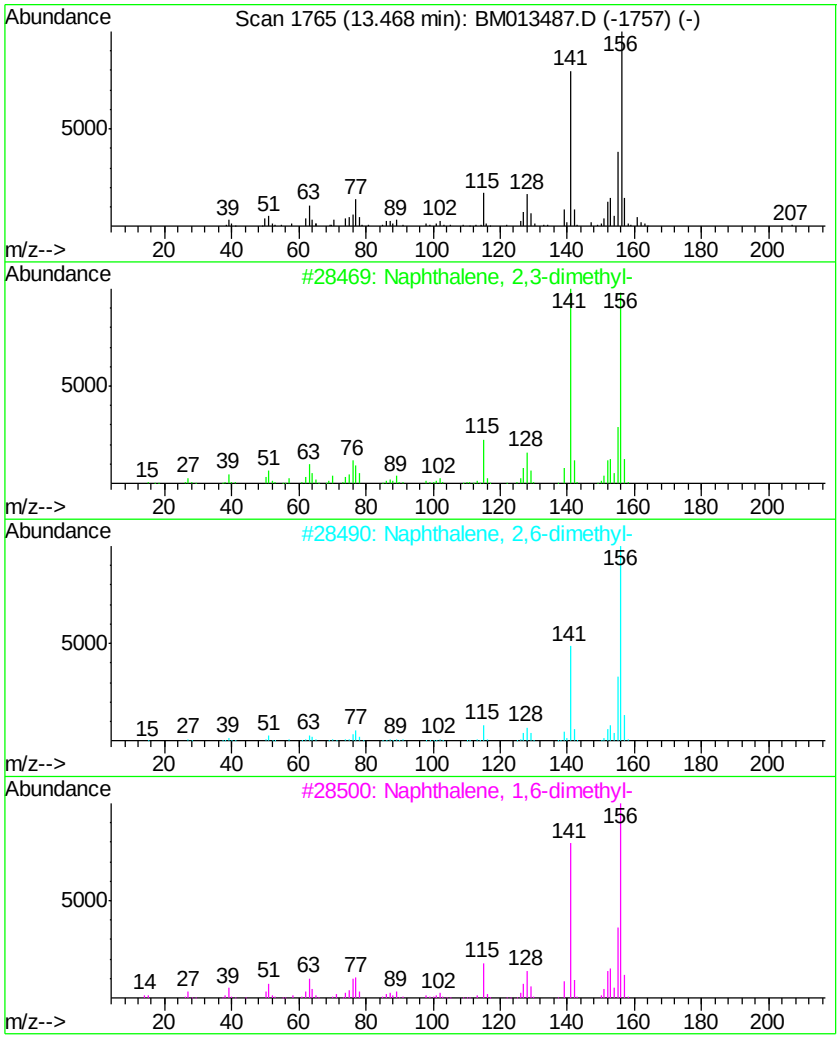
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

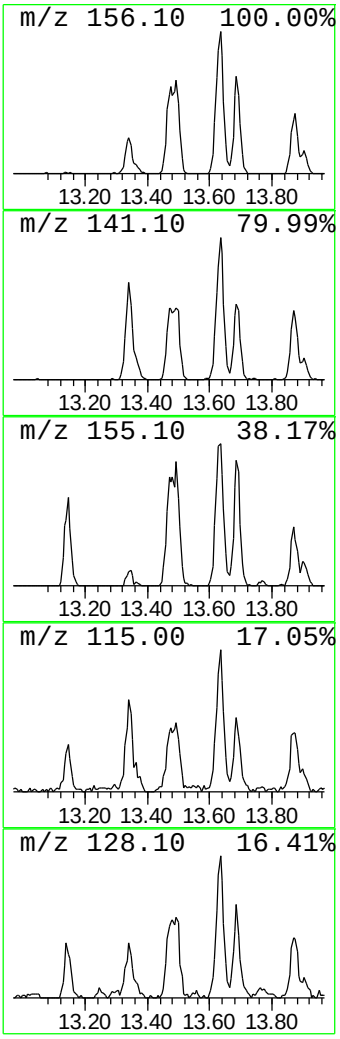
****

Peak Number 5 Naphthalene, 2,3-dimethyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.47	2.90 ng/ul	439164	Acenaphthene-d10	14.32

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	96
2	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	96
3	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	96
4	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	96
5	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	96





Data Path : Z:\HPCHEM1\BNA_M\DATA\BM121517\
Data File : BM013487.D
Acq On : 16 Dec 2017 21:20
Operator : SJ/JU
Sample : I6778-15DL 10X
Misc :
ALS Vial : 44 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F9A80DL

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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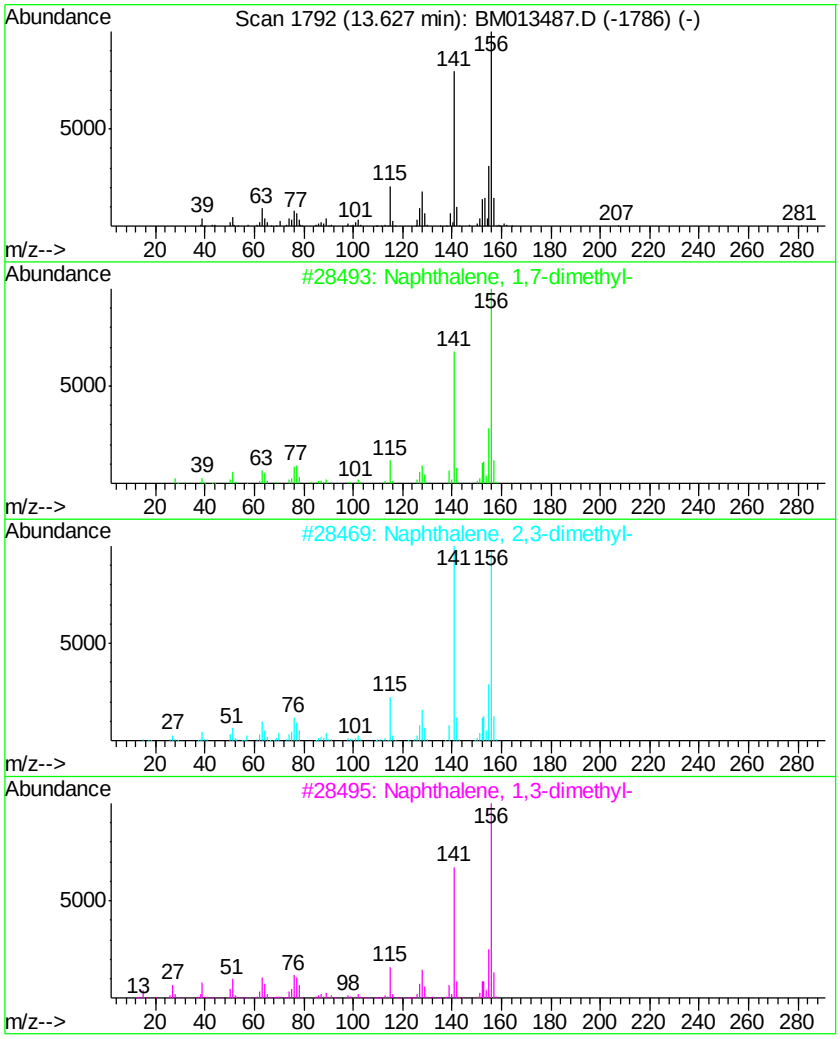
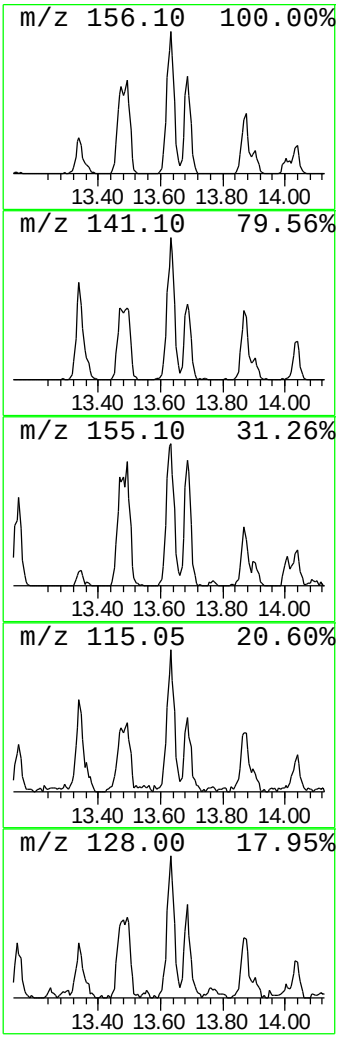
Peak Number 6 Naphthalene, 1,7-dimethyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.63	5.46 ng/ul	825903	Acenaphthene-d10	14.32

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	97
2	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	97
3	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	97
4	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	96
5	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	96





Data Path : Z:\HPCHEM1\BNA_M\DATA\BM121517\
Data File : BM013487.D
Acq On : 16 Dec 2017 21:20
Operator : SJ/JU
Sample : I6778-15DL 10X
Misc :
ALS Vial : 44 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F9A80DL

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Quant Title : SVOA CALIBRATION

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

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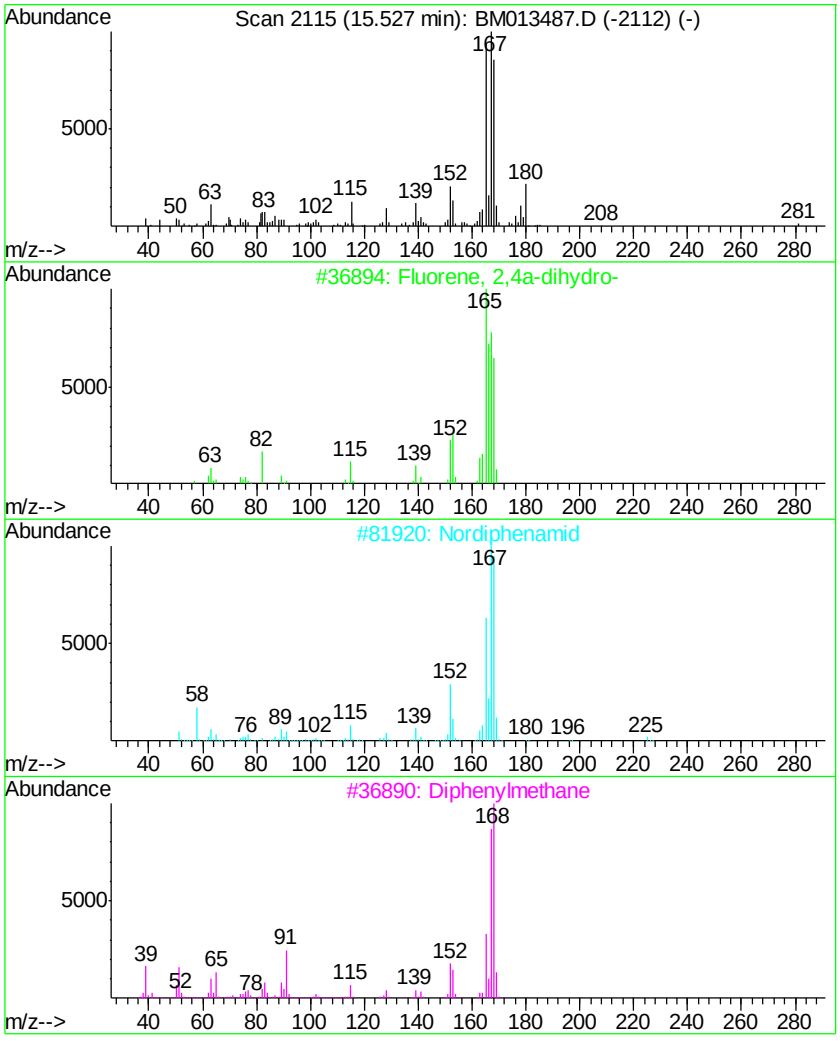
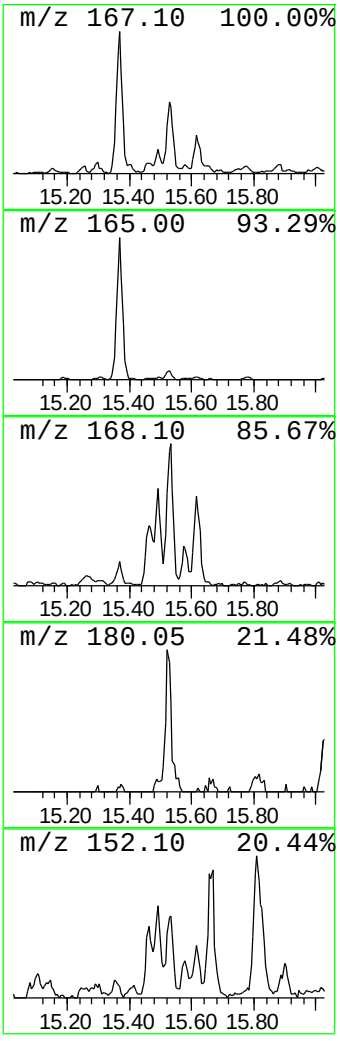
Peak Number 8 Fluorene, 2,4a-dihydro- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.53	2.64 ng/ul	399375	Acenaphthene-d10	14.32

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Fluorene, 2,4a-dihydro-	168	C13H12	059247-36-8	53
2	Nordiphenamid	225	C15H15NO	000954-21-2	50
3	Diphenylmethane	168	C13H12	000101-81-5	49
4	Fluorene, 1,4-dihydro-	168	C13H12	041593-21-9	49
5	Diphenylmethane	168	C13H12	000101-81-5	47





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ClientSampleId : F9A80DL

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Quant Title : SVOA CALIBRATION

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

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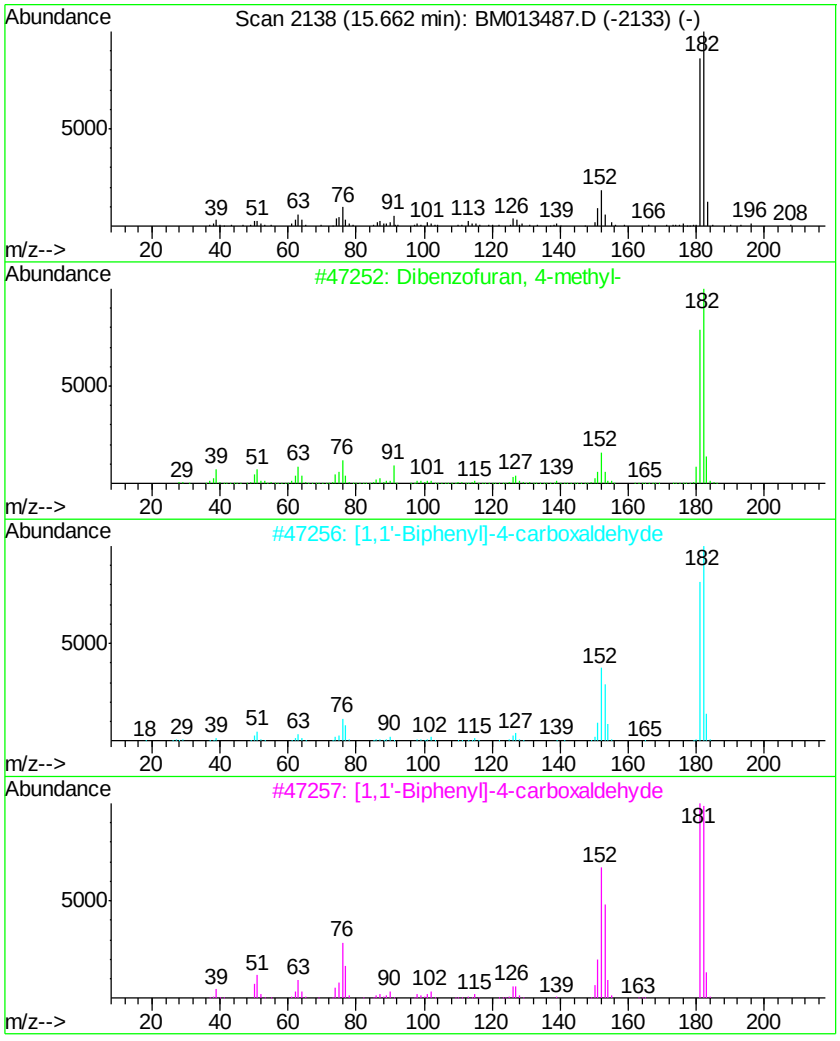
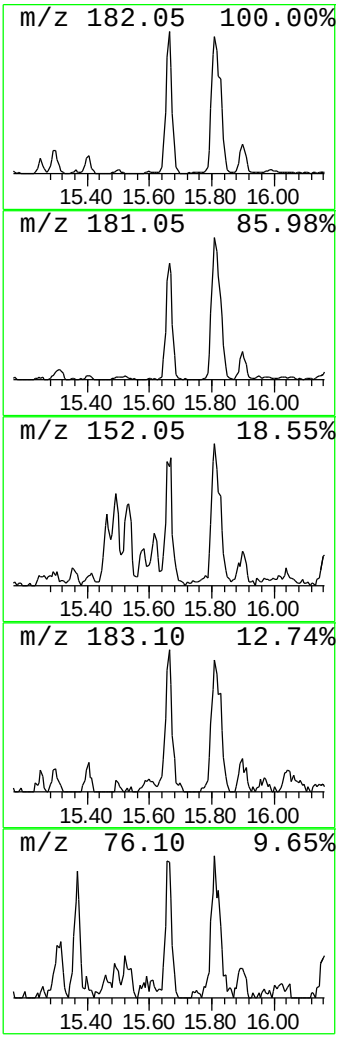
Peak Number 9 Dibenzofuran, 4-methyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.66	3.63 ng/ul	549272	Acenaphthene-d10	14.32

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzofuran, 4-methyl-	182	C13H10O	007320-53-8	90
2	[1,1'-Biphenyl]-4-carboxaldehyde	182	C13H10O	003218-36-8	90
3	[1,1'-Biphenyl]-4-carboxaldehyde	182	C13H10O	003218-36-8	86
4	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	86
5	Benzaldehyde, 4-hydroxy-3,5-dime...	182	C9H10O4	000134-96-3	72





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Quant Title : SVOA CALIBRATION

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

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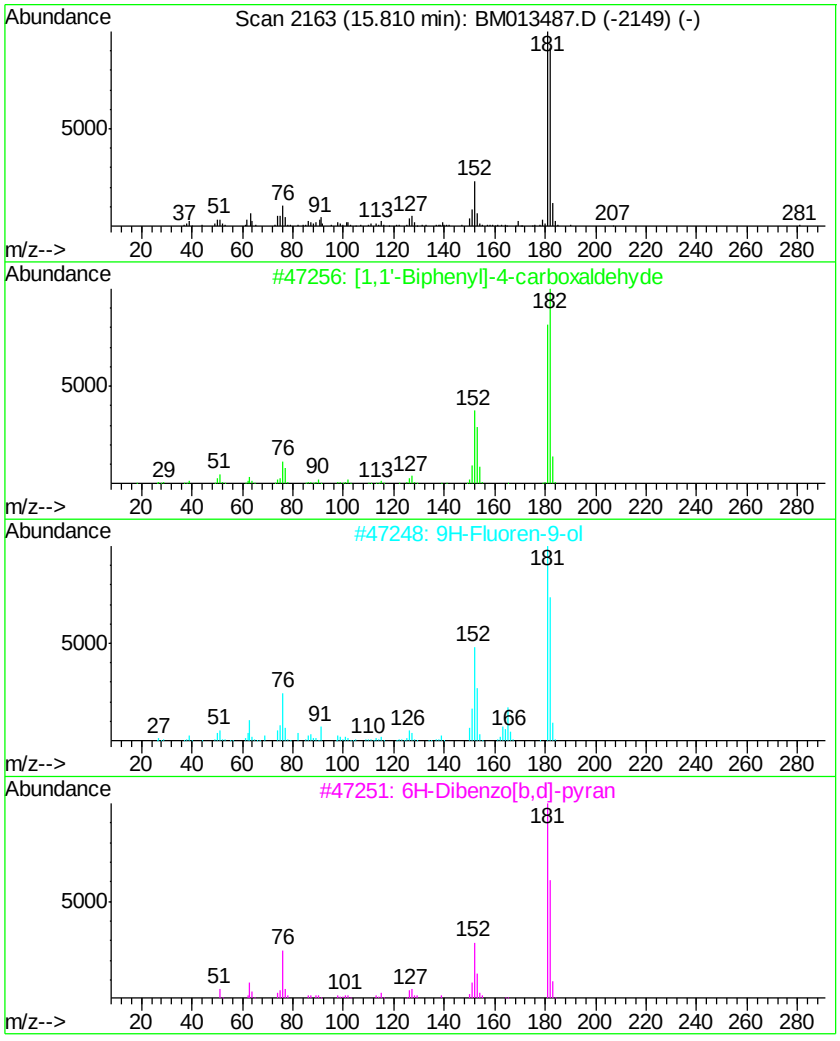
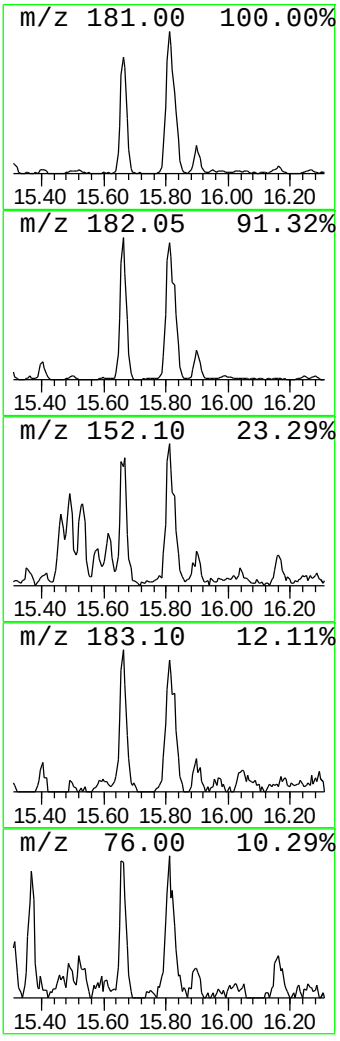
Peak Number 10 [1,1'-Biphenyl]-4-carboxald... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.81	5.10 ng/ul	846533	Phenanthrene-d10	17.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	[1,1'-Biphenyl]-4-carboxaldehyde	182	C13H10O	003218-36-8	91
2	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	91
3	6H-Dibenzo[b,d]-pyran	182	C13H10O	000229-95-8	87
4	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	86
5	2,4,6-Cycloheptatrien-1-one, 2-p...	182	C13H10O	014562-09-5	80





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ClientSampleId : F9A80DL

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Quant Title : SVOA CALIBRATION

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

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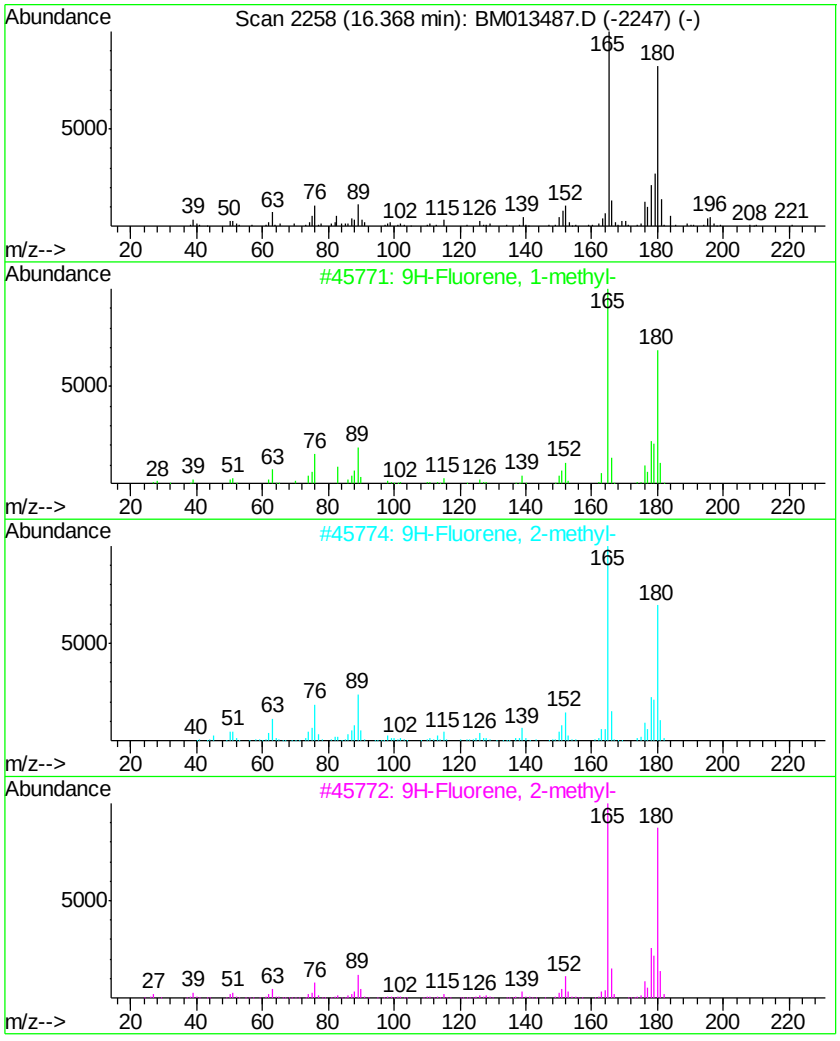
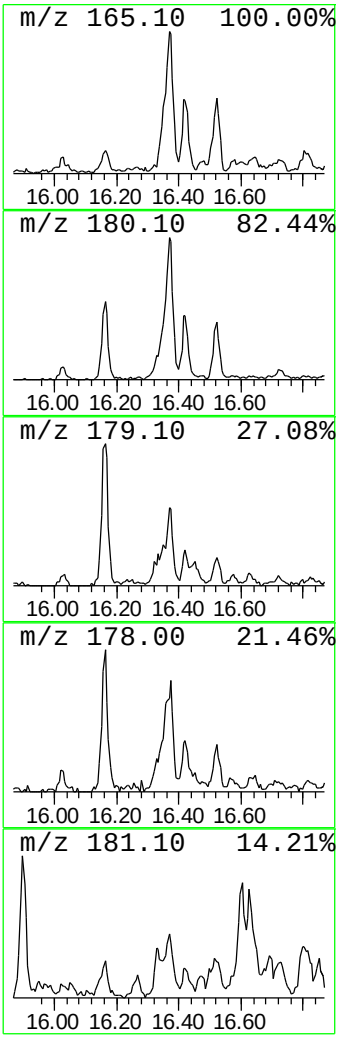
Peak Number 11 9H-Fluorene, 1-methyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.37	3.76 ng/ul	623978	Phenanthrene-d10	17.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	96
2	9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	95
3	9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	89
4	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	87
5	4a,9a-Methano-9H-fluorene	180	C14H12	019540-84-2	86





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Quant Title : SVOA CALIBRATION

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

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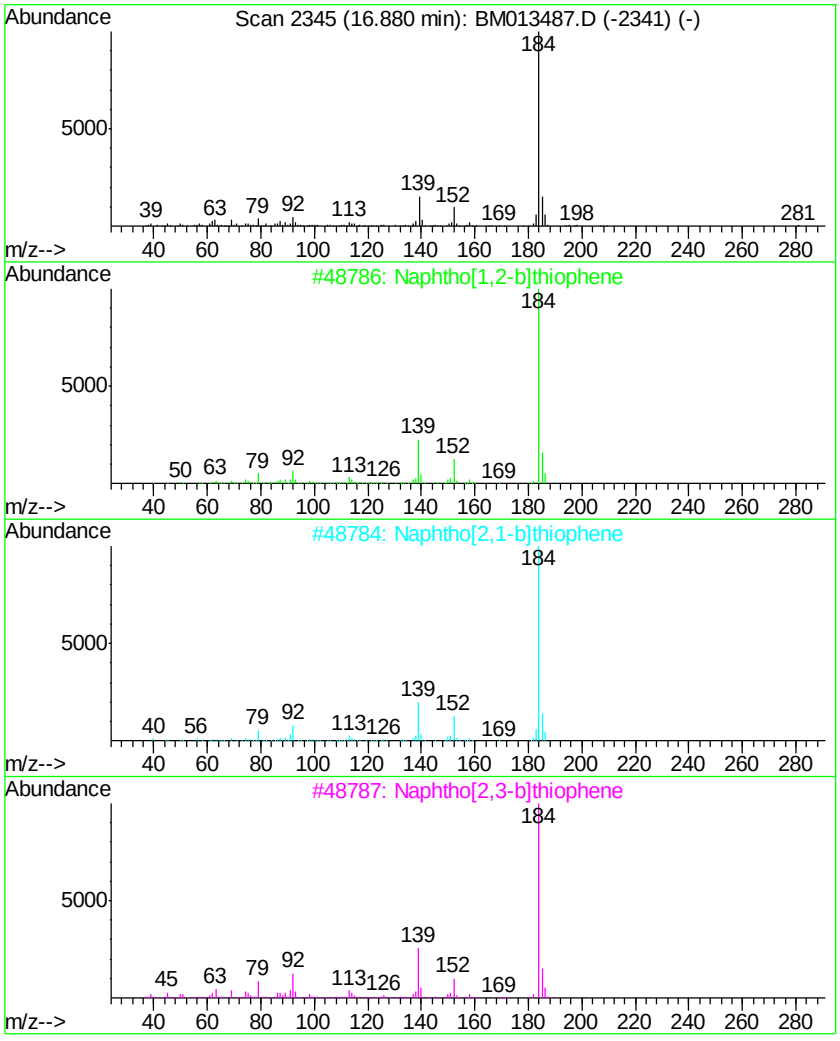
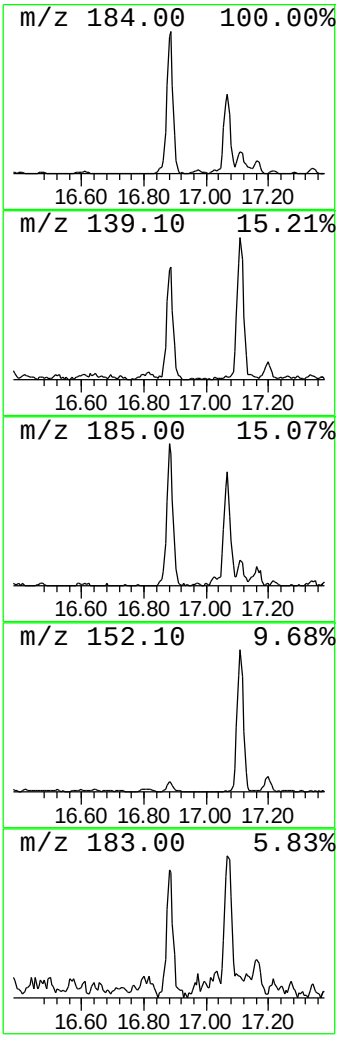
Peak Number 12 Naphtho[1,2-b]thiophene Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.88	4.94 ng/ul	819788	Phenanthrene-d10	17.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphtho[1,2-b]thiophene	184	C12H8S	000234-41-3	97
2	Naphtho[2,1-b]thiophene	184	C12H8S	000233-02-3	96
3	Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	95
4	Dibenzothiophene	184	C12H8S	000132-65-0	94
5	Dibenzothiophene	184	C12H8S	000132-65-0	94





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ALS Vial : 44 Sample Multiplier: 1

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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-methyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.94	4.72 ng/ul	782664	Phenanthrene-d10	17.07

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, 1-methyl-	192	C15H12	000832-69-9	95
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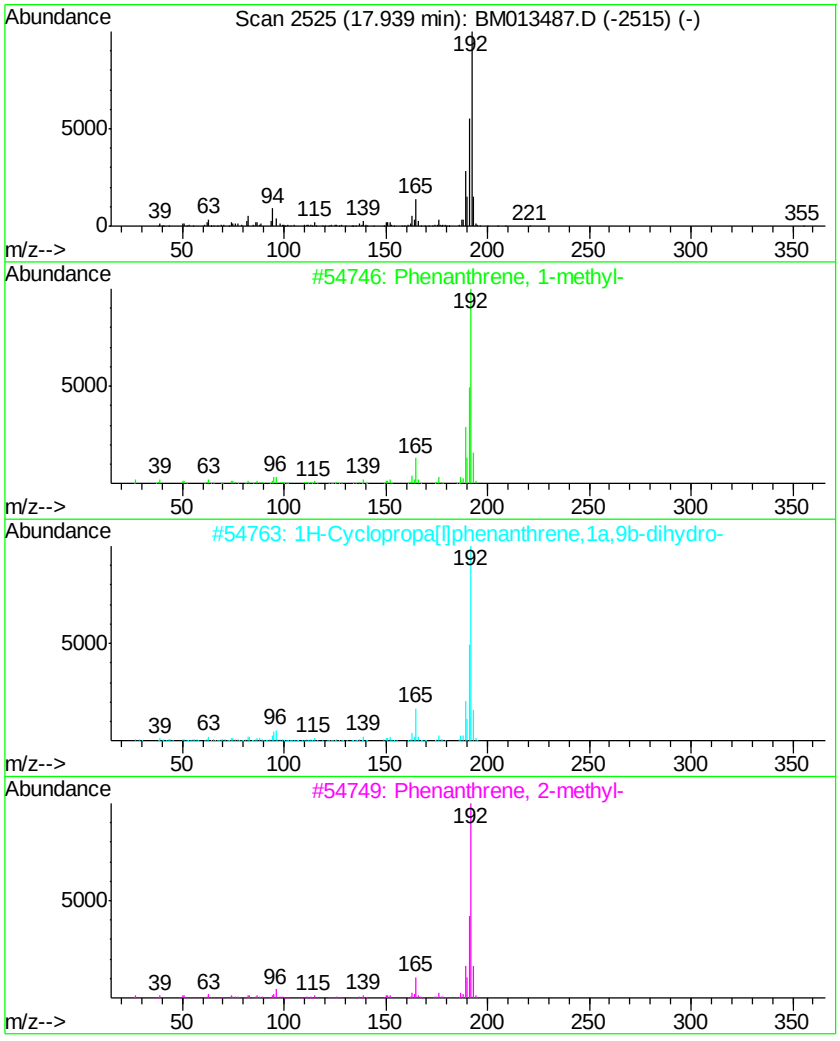

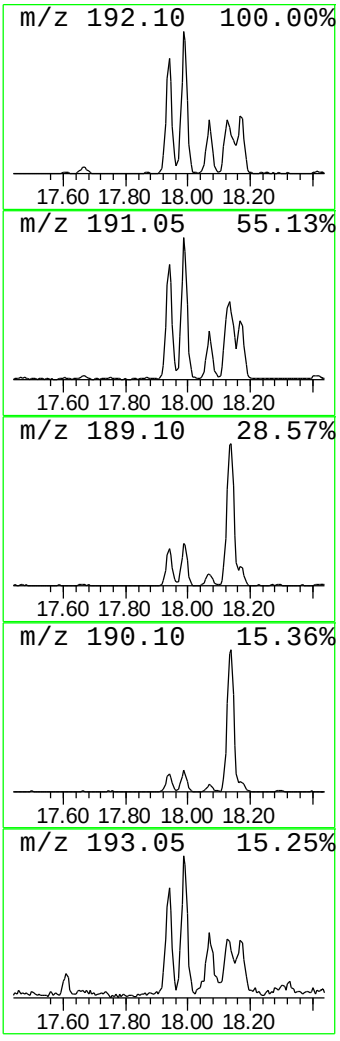

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Sample : I6778-15DL 10X
Misc :
ALS Vial : 44 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F9A80DL

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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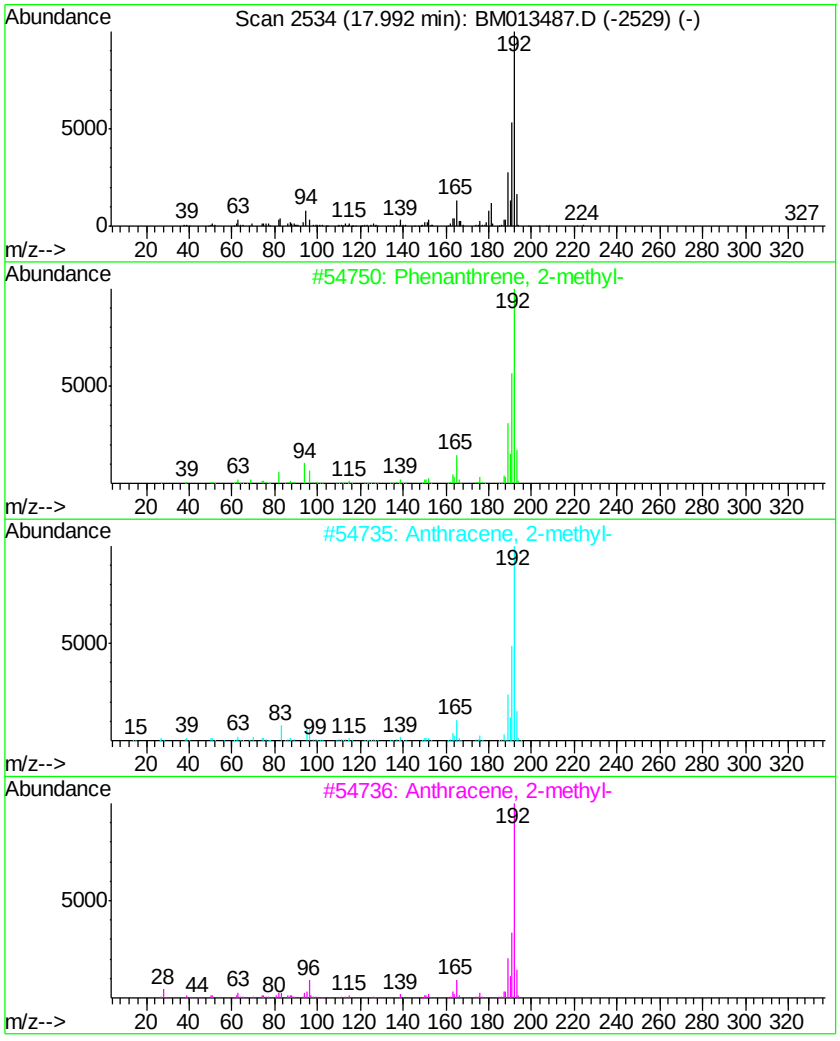
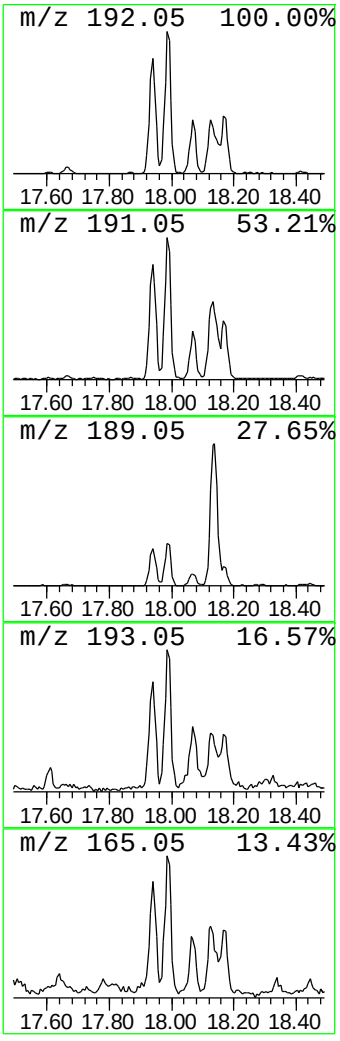
Peak Number 14 Phenanthrene, 2-methyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.99	5.95 ng/ul	986773	Phenanthrene-d10	17.07

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





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Misc :
ALS Vial : 44 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F9A80DL

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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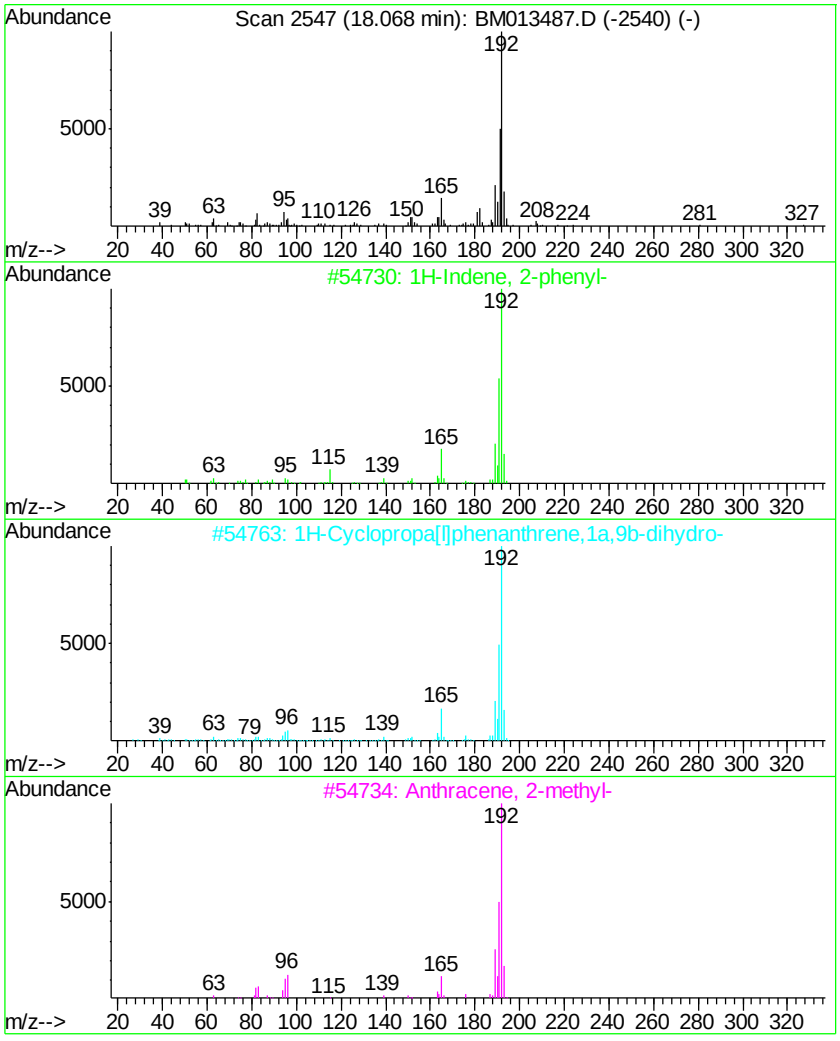
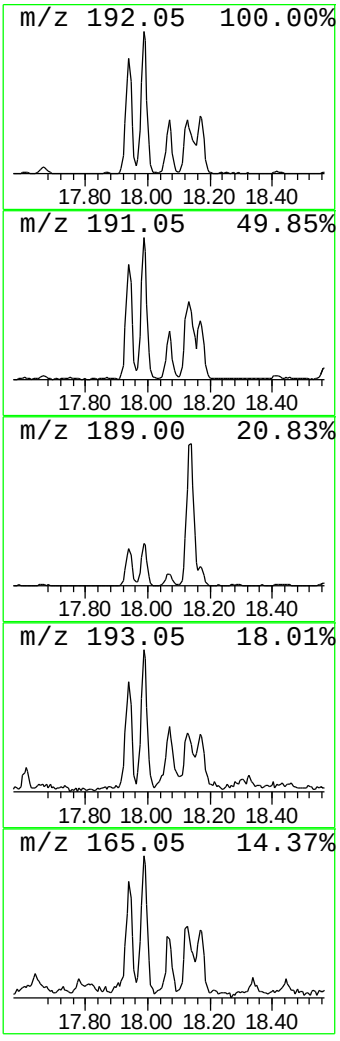
Peak Number 15 1H-Indene, 2-phenyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.07	2.24 ng/ul	371577	Phenanthrene-d10	17.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	95
2	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	93
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	90
4	Anthracene, 1-methyl-	192	C15H12	000610-48-0	90
5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	89





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Misc :
ALS Vial : 44 Sample Multiplier: 1

Instrument : BNA_M
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Quant Title : SVOA CALIBRATION

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

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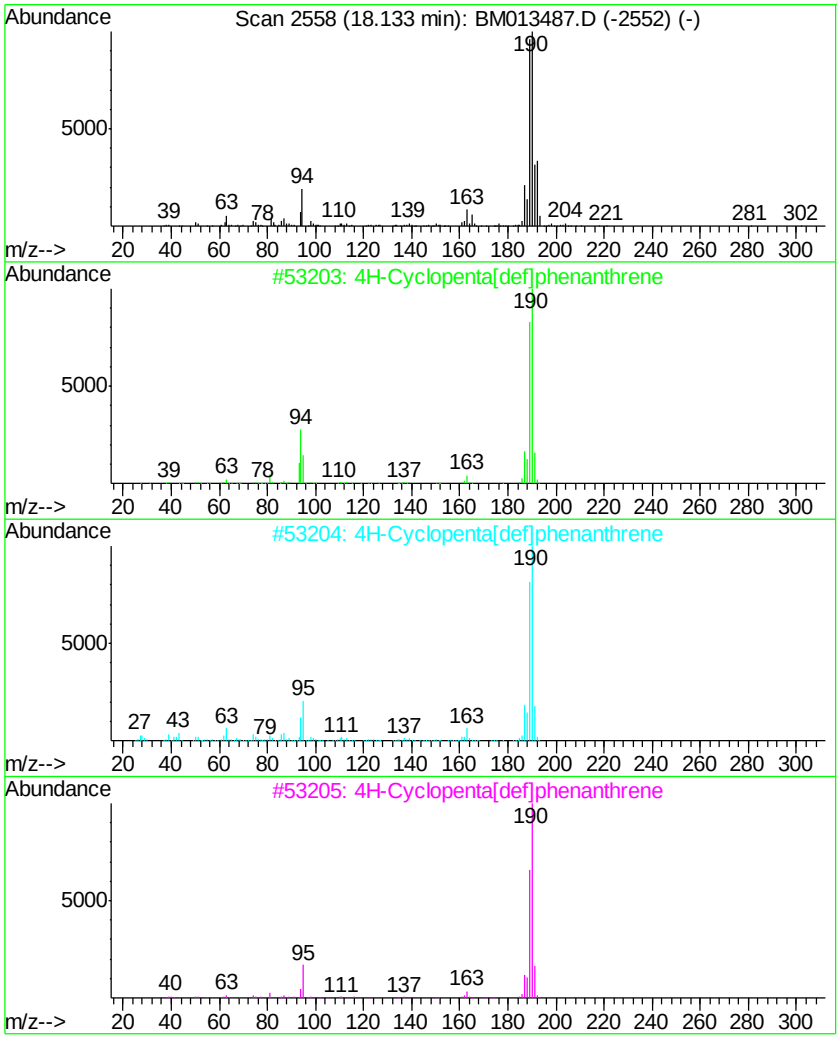
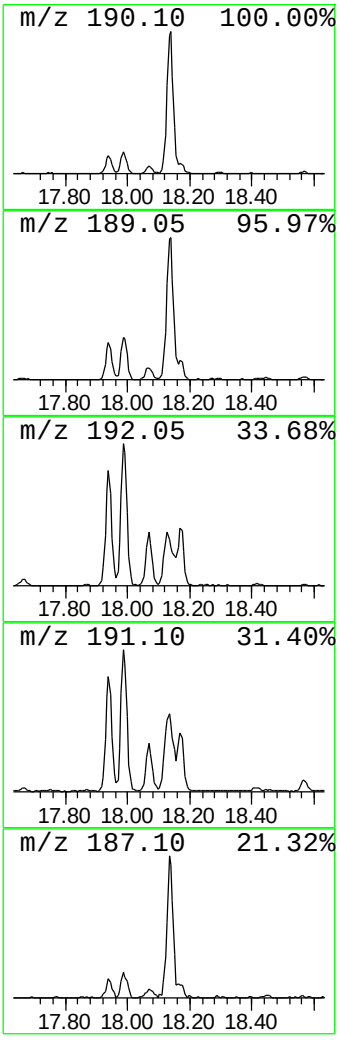
Peak Number 16 4H-Cyclopenta[def]phenanthrene Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.13	7.72 ng/ul	1281300	Phenanthrene-d10	17.07

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	76
3	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	64
4	Thiophene-3-carboxaldehyde, 5-ch...	190	C5H4BClO3S	036155-87-0	52
5	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	50





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Quant Title : SVOA CALIBRATION

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

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Peak Number 17 Naphthalene, 2-phenyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.44	2.54 ng/ul	420656	Phenanthrene-d10	17.07

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	86
3	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	81
4	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	76
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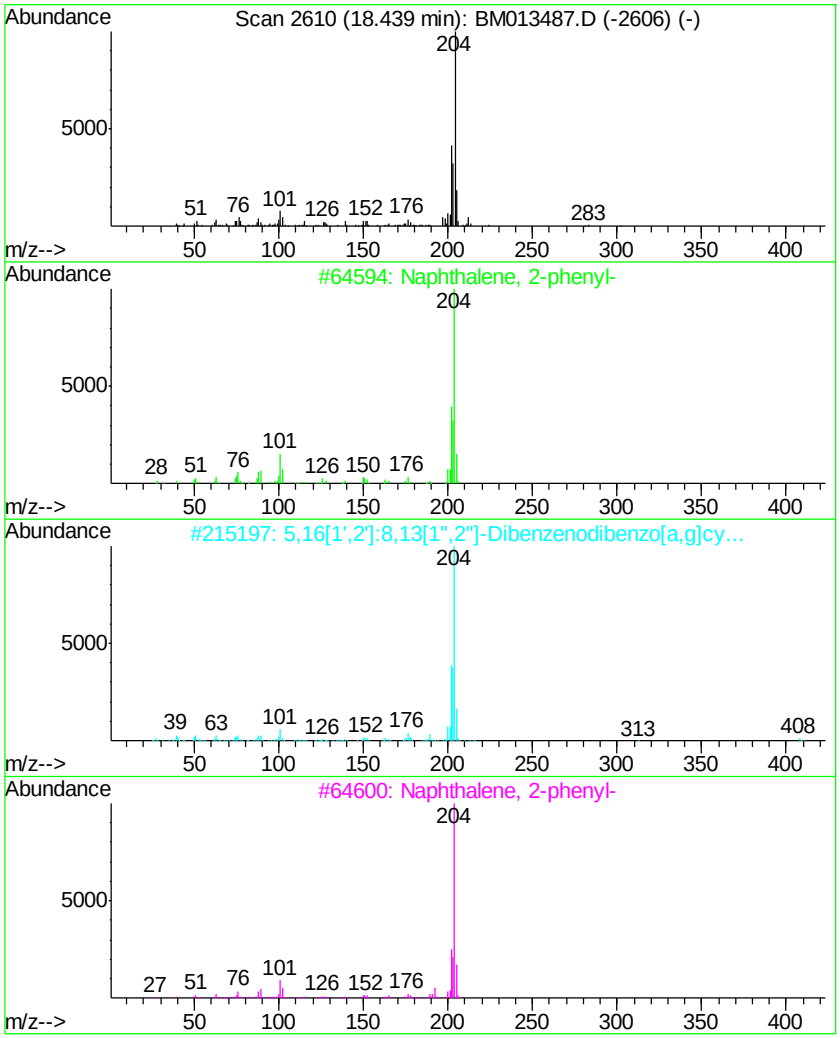

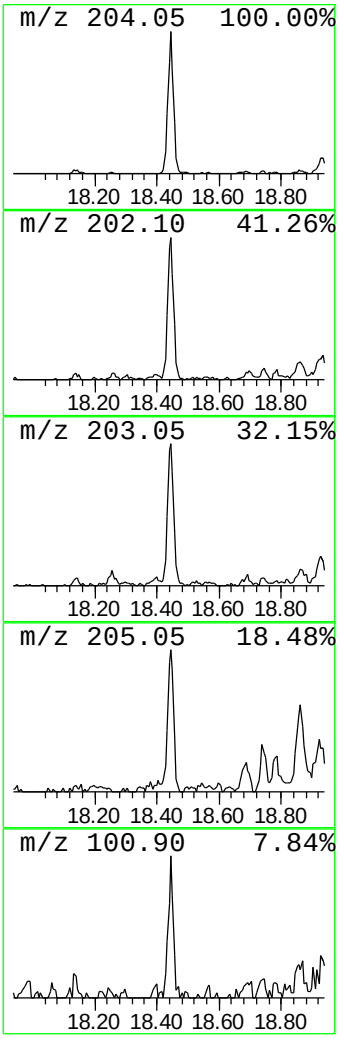

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Quant Title : SVOA CALIBRATION

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

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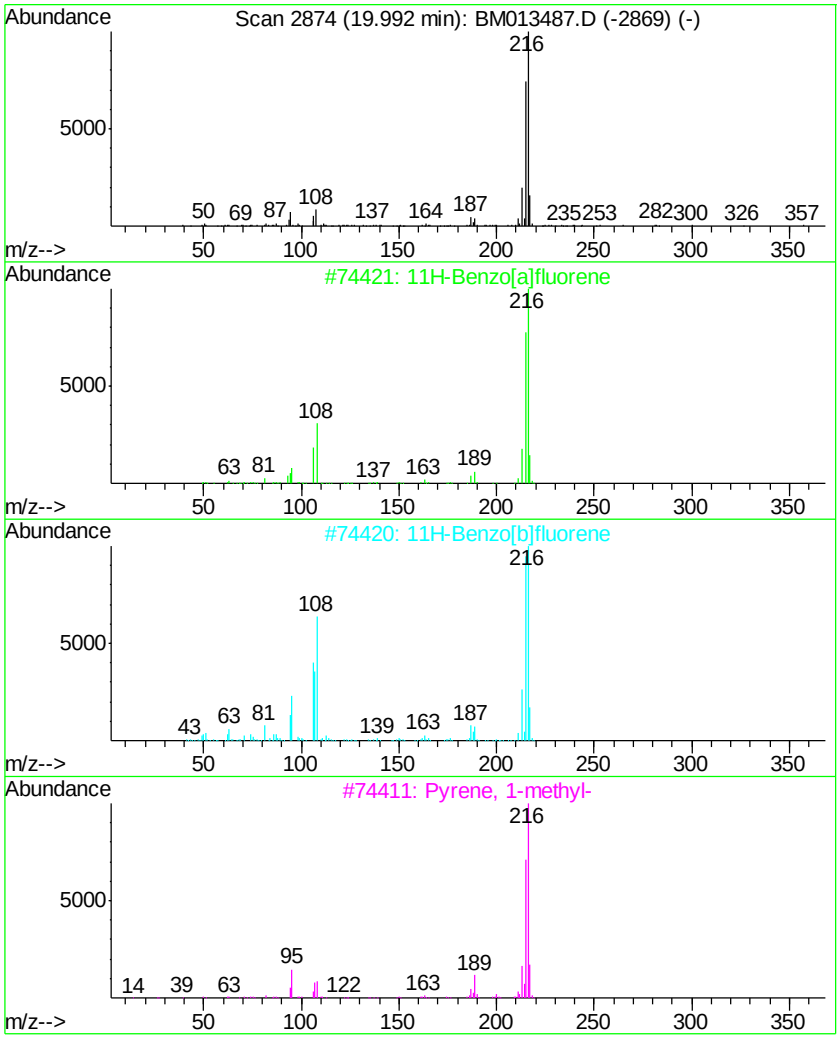
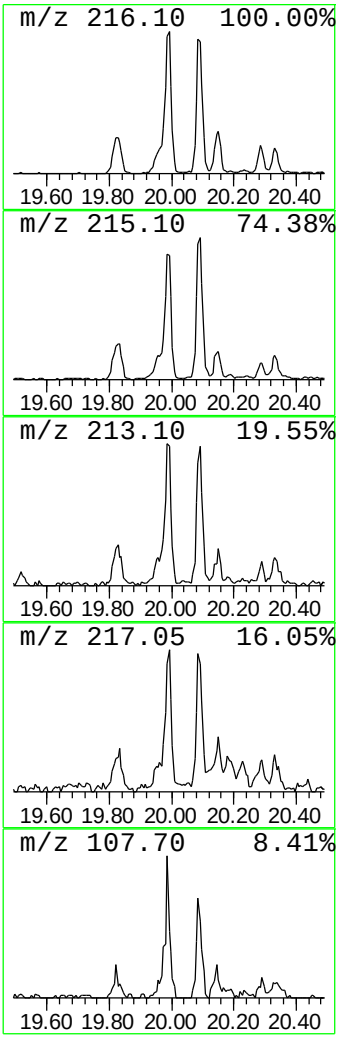
Peak Number 18 11H-Benzo[a]fluorene Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.99	2.90 ng/ul	534260	Chrysene-d12	21.26

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	87
2	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	87
3	Pyrene, 1-methyl-	216	C17H12	002381-21-7	86
4	7H-Benzo[c]fluorene	216	C17H12	000205-12-9	80
5	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	78





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Sample : I6778-15DL 10X
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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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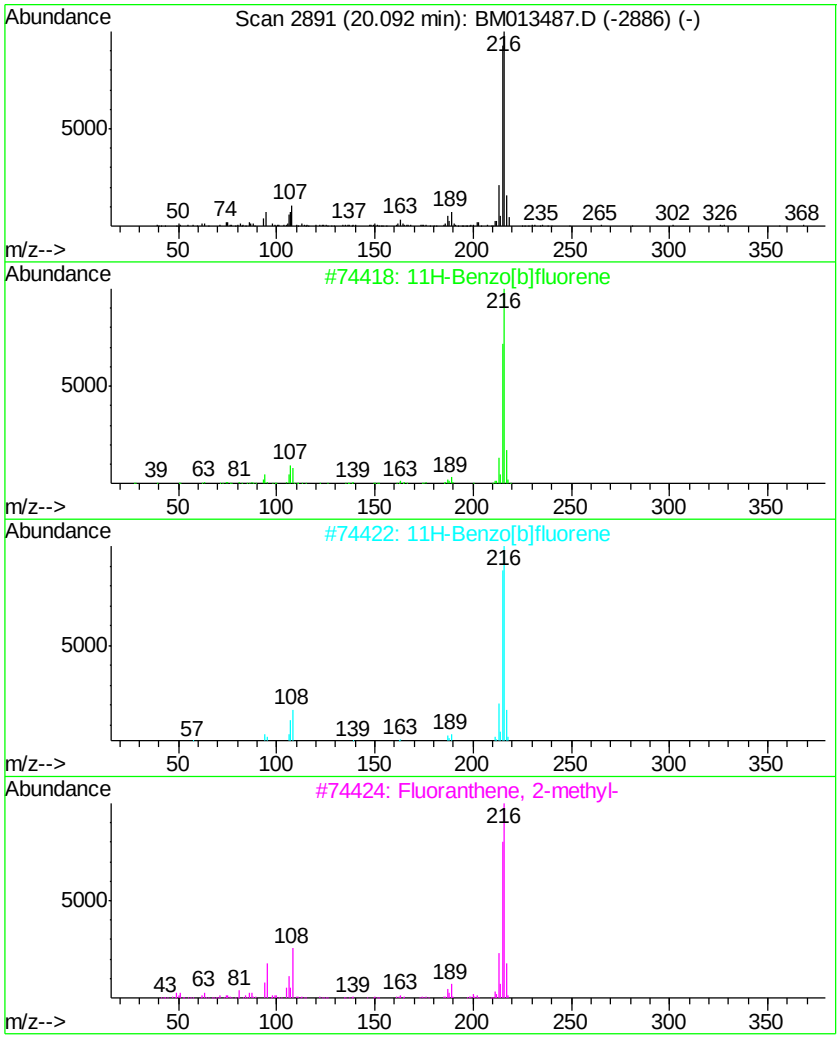
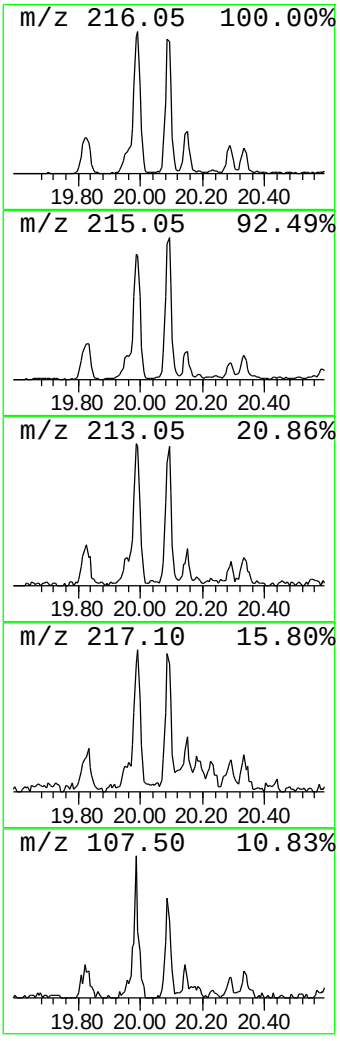
Peak Number 19 11H-Benzo[b]fluorene Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.09	2.76 ng/ul	507118	Chrysene-d12	21.26

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	94
2	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	93
3	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	91
4	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	90
5	Pyrene, 1-methyl-	216	C17H12	002381-21-7	90





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM121517\
Data File : BM013487.D
Acq On : 16 Dec 2017 21:20
Operator : SJ/JU
Sample : I6778-15DL 10X
Misc :
ALS Vial : 44 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F9A80DL

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
Indane	8.04	2.1	ng/ul	143041	1	7.67	1344540	20.0
Indene	8.20	2.6	ng/ul	177053	1	7.67	1344540	20.0
Naphthalene, 1-et...	13.34	2.5	ng/ul	374609	3	14.32	3026610	20.0
Naphthalene, 2,3-...	13.47	2.9	ng/ul	439164	3	14.32	3026610	20.0
Naphthalene, 1,7-...	13.63	5.5	ng/ul	825903	3	14.32	3026610	20.0
Fluorene, 2,4a-di...	15.53	2.6	ng/ul	399375	3	14.32	3026610	20.0
Dibenzofuran, 4-m...	15.66	3.6	ng/ul	549272	3	14.32	3026610	20.0
[1,1'-Biphenyl]-4...	15.81	5.1	ng/ul	846533	4	17.07	3318340	20.0
9H-Fluorene, 1-me...	16.37	3.8	ng/ul	623978	4	17.07	3318340	20.0
Naphtho[1,2-b]thi...	16.88	4.9	ng/ul	819788	4	17.07	3318340	20.0
Phenanthrene, 1-m...	17.94	4.7	ng/ul	782664	4	17.07	3318340	20.0
Phenanthrene, 2-m...	17.99	6.0	ng/ul	986773	4	17.07	3318340	20.0
1H-Indene, 2-phenyl-	18.07	2.2	ng/ul	371577	4	17.07	3318340	20.0
4H-Cyclopenta[def...	18.13	7.7	ng/ul	1281300	4	17.07	3318340	20.0
Naphthalene, 2-ph...	18.44	2.5	ng/ul	420656	4	17.07	3318340	20.0
11H-Benzo[a]fluorene	19.99	2.9	ng/ul	534260	5	21.26	3680370	20.0
11H-Benzo[b]fluorene	20.09	2.8	ng/ul	507118	5	21.26	3680370	20.0