LSC Area Percent Report

Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA M\DATA\BM121917\
Data File : BM013514.D
Acq On : 19 Dec 2017 15:53
Operator : SJ/JU
Sample : I6778-13ME 20X
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F9A78ME

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	7.669	771	779	790	rBV	588102	971024	13.08%	1.625%
2	8.040	836	842	847	rBV	70995	116074	1.56%	0.194%
3	8.204	864	870	878	rVB	95045	163248	2.20%	0.273%
4	9.851	1143	1150	1155	rBV5	38903	94057	1.27%	0.157%
5	10.451	1243	1252	1255	rBV	814636	1442782	19.43%	2.415%
6	10.498	1255	1260	1268	rVB	3572128	5980447	80.55%	10.008%
7	10.616	1274	1280	1288	rVB2	138890	271974	3.66%	0.455%
8	12.116	1528	1535	1543	rBV	1294673	2022304	27.24%	3.384%
9	12.339	1563	1573	1579	rVB	659269	1050869	14.15%	1.759%
10	13.139	1704	1709	1718	rBV	317255	507549	6.84%	0.849%
11	13.339	1738	1743	1754	rVB	137648	275848	3.72%	0.462%
12	13.492	1756	1769	1776	rBV3	219863	610913	8.23%	1.022%
13	13.633	1786	1793	1798	rBV	343373	608042	8.19%	1.018%
14	13.686	1798	1802	1806	rVV2	214556	319987	4.31%	0.536%
15	13.727	1806	1809	1813	rVB	61940	84372	1.14%	0.141%
16	13.869	1825	1833	1837	rBV2	155915	271315	3.65%	0.454%
17	14.004	1851	1856	1858	rBV	87175	130615	1.76%	0.219%
18	14.033	1858	1861	1872	rVB	192966	296059	3.99%	0.495%
19	14.316	1897	1909	1914	rBV3	1267728	2183917	29.41%	3.655%
20	14.380	1914	1920	1928	rVV	1482310	2264819	30.50%	3.790%
21	14.451	1928	1932	1939	rVB	53149	85169	1.15%	0.143%
22	14.527	1939	1945	1954	rBV2	66873	161882	2.18%	0.271%
23	14.627	1954	1962	1966	rVB3	77646	145688	1.96%	0.244%
24	14.716	1966	1977	1985	rBV	1148337	1708872	23.02%	2.860%
25	14.792	1985	1990	1996	rVB2	99351	146122	1.97%	0.245%
26	14.933	2007	2014	2019	rBV3	78373	147577	1.99%	0.247%
27	14.992	2019	2024	2034	rVB	93360	147773	1.99%	0.247%
28	15.110	2034	2044	2047	rBV3	73229	157975	2.13%	0.264%
29	15.310	2070	2078	2082	rVB4	136844	213797	2.88%	0.358%
30	15.368	2082	2088	2100	rVB	1727722	2427337	32.69%	4.062%
31	15.463	2100	2104	2106	rBV3	74917	112499	1.52%	0.188%
32	15.492	2106	2109	2112	rVV4	125823	186075	2.51%	0.311%
33	15.527	2112	2115	2120	rVV3	221805	317746	4.28%	0.532%
34	15.580	2120	2124	2127	rVV4	72330	120445	1.62%	0.202%

LSC Area Percent Report

Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA M\DATA\BM121917\
Data File : BM013514.D
Acq On : 19 Dec 2017 15:53
Operator : SJ/JU
Sample : I6778-13ME 20X
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F9A78ME

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	15.616	2127	2130	2134	rVV2	97406	163640	2.20%	0.274%
36	15.663	2134	2138	2148	rVB	271552	415753	5.60%	0.696%
37	15.810	2154	2163	2171	rVB2	263566	602141	8.11%	1.008%
38	15.898	2171	2178	2185	rVB4	56620	130973	1.76%	0.219%
39	16.027	2194	2200	2210	rVB6	86974	227357	3.06%	0.380%
40	16.163	2216	2223	2229	rBV5	123790	208527	2.81%	0.349%
41	16.374	2247	2259	2264	rBV2	221739	477360	6.43%	0.799%
42	16.421	2264	2267	2272	rVB2	96806	127532	1.72%	0.213%
43	16.521	2278	2284	2289	rVB4	82273	151417	2.04%	0.253%
44	16.598	2294	2297	2300	rVV	60492	85757	1.16%	0.144%
45	16.639	2301	2304	2308	rVB3	70680	93030	1.25%	0.156%
46	16.798	2324	2331	2333	rBV3	95881	159098	2.14%	0.266%
47	16.880	2341	2345	2354	rVB	393722	629077	8.47%	1.053%
48	17.068	2368	2377	2380	rBV	1596540	2485778	33.48%	4.160%
49	17.110	2380	2384	2390	rVV	5570163	7424576	100.00%	12.425%
50	17.168	2390	2394	2395	rVV2	165978	235410	3.17%	0.394%
51	17.198	2395	2399	2405	rVV	758243	1068920	14.40%	1.789%
52	17.262	2405	2410	2415	rVV3	83579	149363	2.01%	0.250%
53	17.474	2439	2446	2458	rBV	314163	562979	7.58%	0.942%
54	17.586	2458	2465	2470	rVV5	75657	152313	2.05%	0.255%
55	17.645	2471	2475	2485	rVB4	71339	141980	1.91%	0.238%
56	17.786	2495	2499	2509	rVB	51335	101666	1.37%	0.170%
57	17.939	2517	2525	2529	rBV	397701	597449	8.05%	1.000%
58	17.986	2529	2533	2540	rVB	497235	720359	9.70%	1.206%
59	18.068	2541	2547	2552	rBV	191548	280079	3.77%	0.469%
60	18.133	2552	2558	2562	rVV2	574158	1002796	13.51%	1.678%
61	18.168	2562	2564	2573	rVB	197815	274811	3.70%	0.460%
62	18.445	2606	2611	2616	rVB	226957	308494	4.16%	0.516%
63	18.862	2676	2682	2686	rBV2	135994	227358	3.06%	0.380%
64	18.927	2686	2693	2696	rBV6	56887	98435	1.33%	0.165%
65	19.127	2721	2727	2733	rBV	2576735	3367822	45.36%	5.636%
66	19.280	2749	2753	2757	rBV2	57568	76595	1.03%	0.128%
67	19.374	2765	2769	2773	rBV	59372	85878	1.16%	0.144%
68	19.462	2778	2784	2785	rBV	521882	646036	8.70%	1.081%
69	19.492	2785	2789	2798	rVV	1538515	2276935	30.67%	3.811%
70	19.562	2798	2801	2809	rVB3	96572	154656	2.08%	0.259%
71	19.674	2813	2820	2825	rVB	94767	147664	1.99%	0.247%

LSC Area Percent Report

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Acq On : 19 Dec 2017 15:53
Operator : SJ/JU
Sample : I6778-13ME 20X
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F9A78ME

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	19.821	2837	2845	2852	rBV4	101641	273463	3.68%	0.458%
73	19.951	2863	2867	2869	rBV4	67476	103635	1.40%	0.173%
74	19.992	2870	2874	2879	rVB	310998	416871	5.61%	0.698%
75	20.092	2886	2891	2895	rBV2	336911	423095	5.70%	0.708%
76	20.145	2895	2900	2904	rVB2	109582	180684	2.43%	0.302%
77	20.286	2920	2924	2928	rVV	56650	90366	1.22%	0.151%
78	20.333	2928	2932	2941	rVB4	66259	132423	1.78%	0.222%
79	20.698	2990	2994	2998	rBV5	55333	101303	1.36%	0.170%
80	20.903	3026	3029	3032	rBV	79075	97478	1.31%	0.163%
81	20.939	3032	3035	3039	rVB2	80438	99234	1.34%	0.166%
82	20.980	3039	3042	3047	rBV3	49282	87075	1.17%	0.146%
83	21.256	3082	3089	3093	rBV2	1998939	3080235	41.49%	5.155%
84	21.292	3093	3095	3106	rVB	410356	505109	6.80%	0.845%
85	21.409	3112	3115	3119	rBV2	72925	87331	1.18%	0.146%
86	22.815	3349	3354	3359	rBV	172743	387058	5.21%	0.648%
87	23.480	3460	3467	3474	rBV2	1008086	1883589	25.37%	3.152%

Sum of corrected areas: 59754135

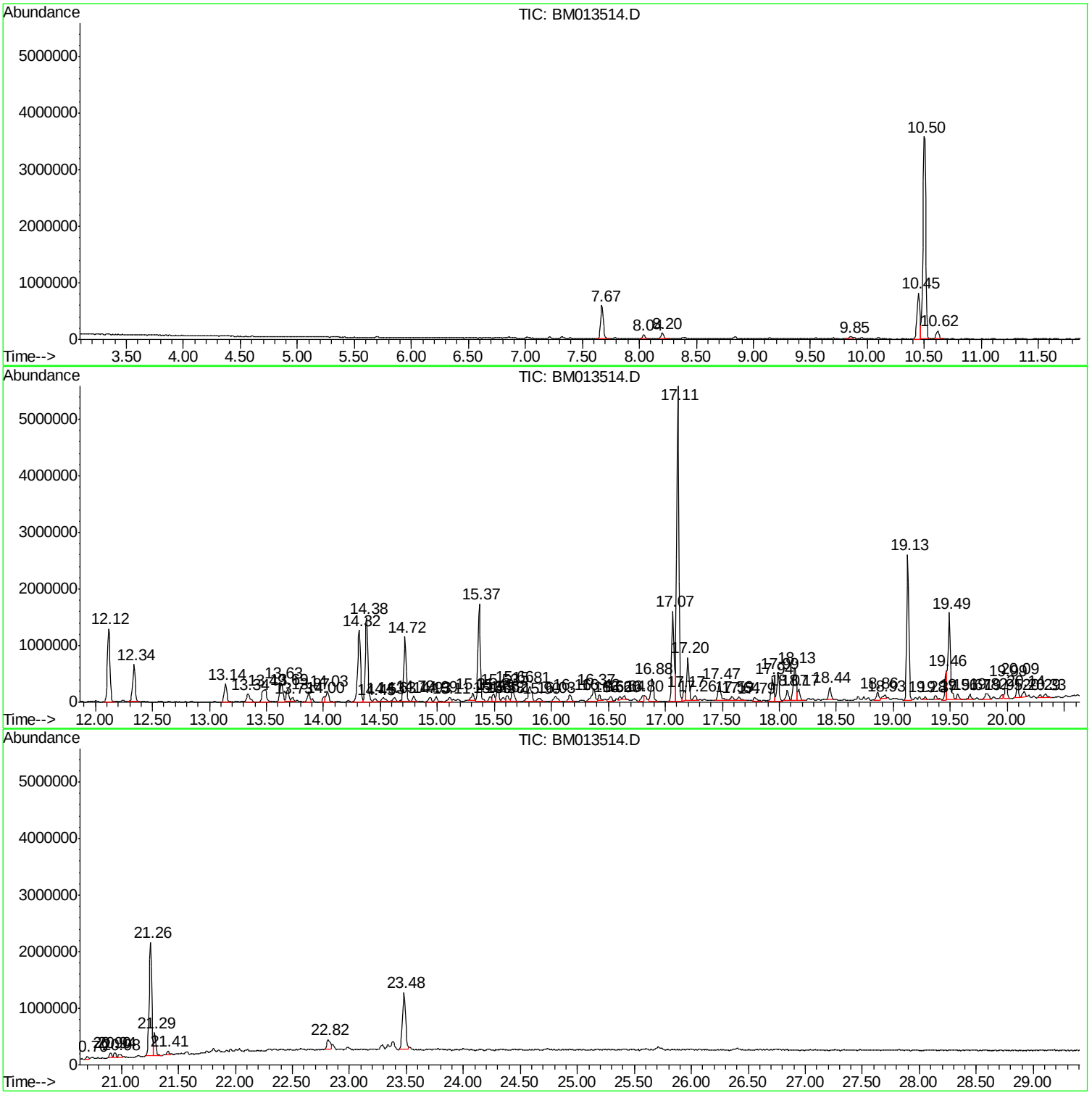
LSC Report - Integrated Chromatogram

Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA M\DATA\BM121917\
Data File : BM013514.D
Acq On : 19 Dec 2017 15:53
Operator : SJ/JU
Sample : I6778-13ME 20X
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
F9A78ME

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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Data File : BM013514.D
Acq On : 19 Dec 2017 15:53
Operator : SJ/JU
Sample : I6778-13ME 20X
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F9A78ME

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

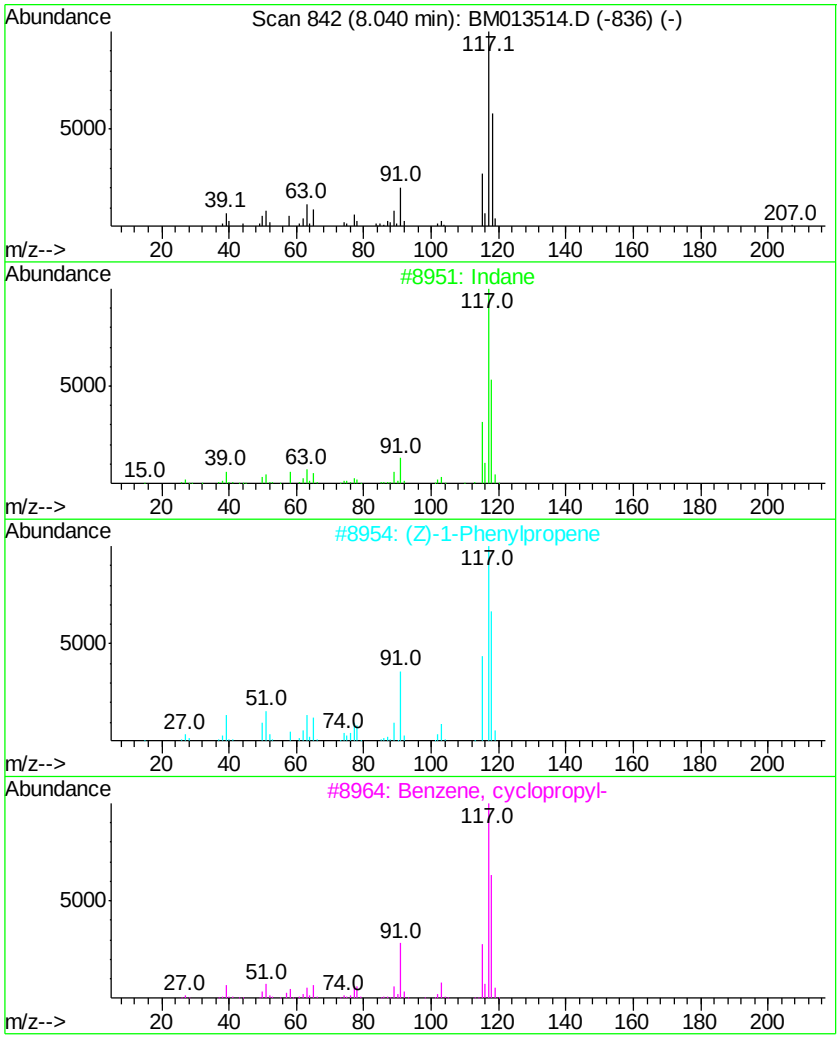
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

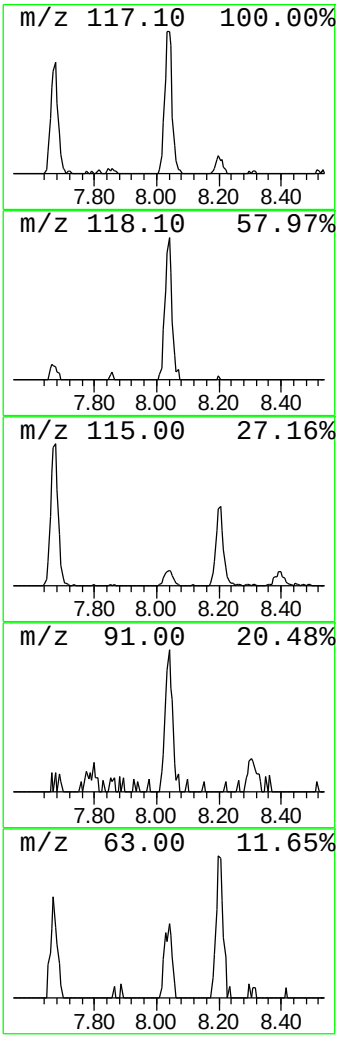
****

Peak Number 1 Indane Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.04	2.39 ng/ul	116074	1,4-Dichlorobenzene-d4	7.67

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indane	118	C9H10	000496-11-7	87
2	(Z)-1-Phenylpropene	118	C9H10	000766-90-5	87
3	Benzene, cyclopropyl-	118	C9H10	000873-49-4	81
4	Bicyclo[4.2.0]octa-1,3,5-triene,...	118	C9H10	055337-80-9	80
5	Indane	118	C9H10	000496-11-7	74





Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA M\DATA\BM121917\
Data File : BM013514.D
Acq On : 19 Dec 2017 15:53
Operator : SJ/JU
Sample : I6778-13ME 20X
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F9A78ME

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

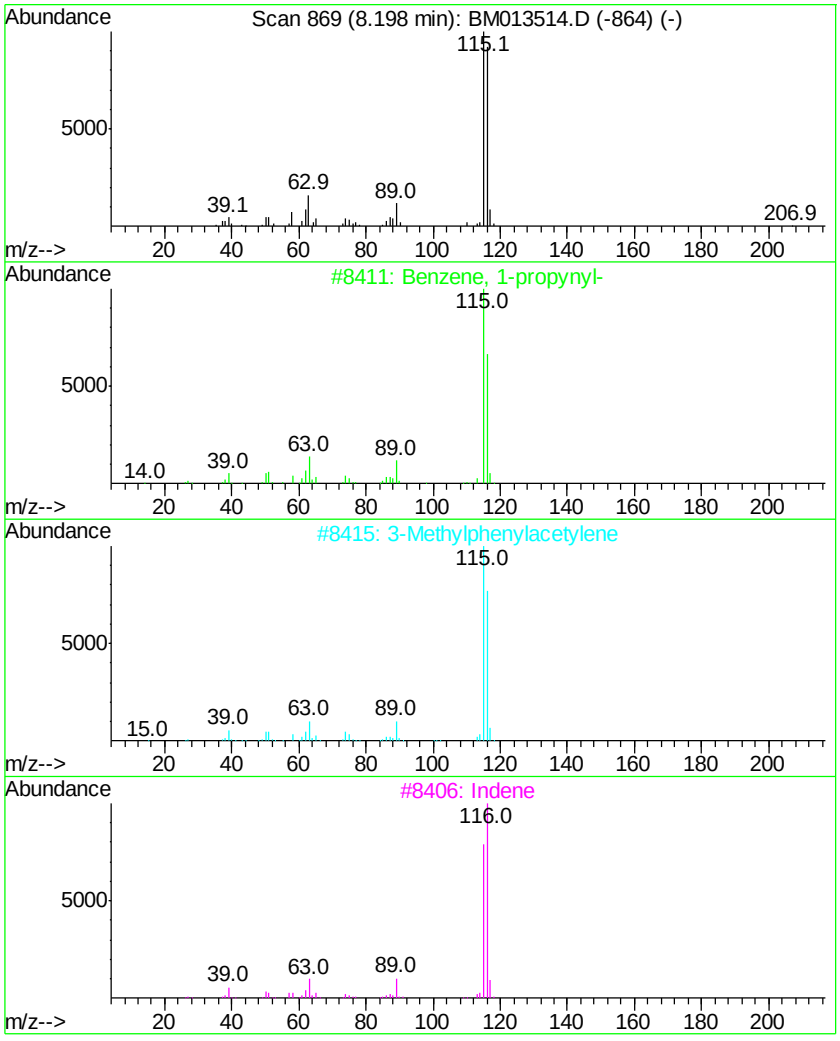
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

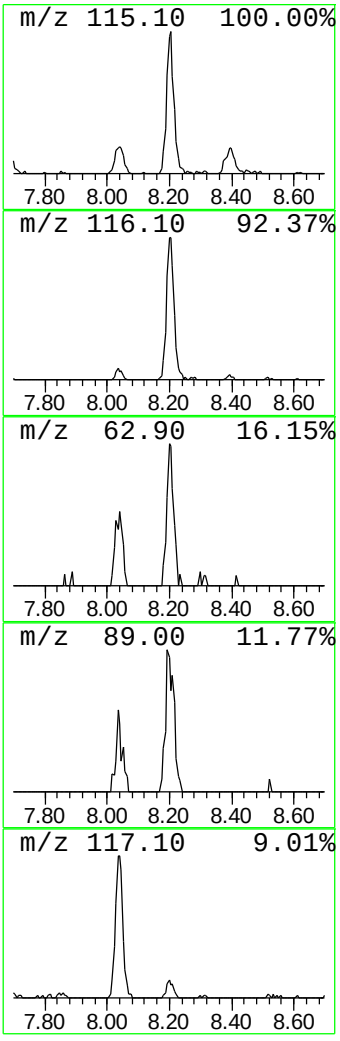
****

Peak Number 2 Benzene, 1-propynyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.20	3.36 ng/ul	163248	1,4-Dichlorobenzene-d4	7.67

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-propynyl-	116	C9H8	000673-32-5	93
2	3-Methylphenylacetylene	116	C9H8	000766-82-5	90
3	Indene	116	C9H8	000095-13-6	90
4	Indene	116	C9H8	000095-13-6	90
5	Indene	116	C9H8	000095-13-6	86





Library Search Compound Report

Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA M\DATA\BM121917\
Data File : BM013514.D
Acq On : 19 Dec 2017 15:53
Operator : SJ/JU
Sample : I6778-13ME 20X
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F9A78ME

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

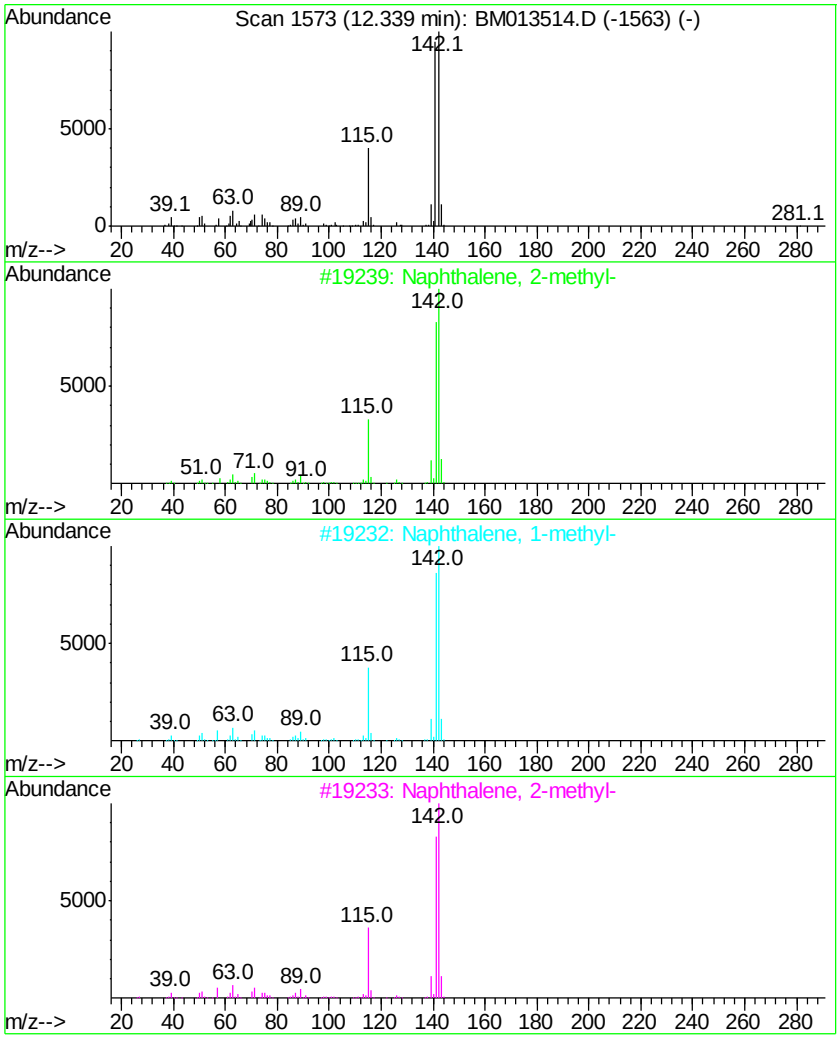
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

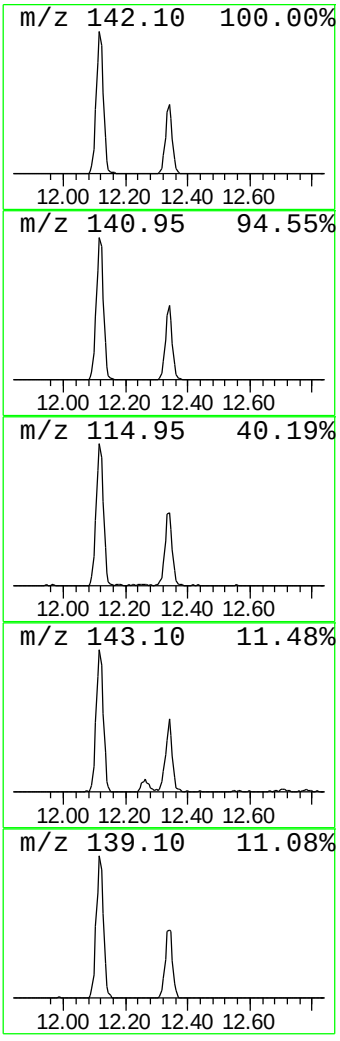
****

Peak Number 3 Naphthalene, 1-methyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.34	14.57 ng/ul	1050870	Naphthalene-d8	10.45

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-methyl-	142	C11H10	000091-57-6	97
2	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	96
3	Naphthalene, 2-methyl-	142	C11H10	000091-57-6	96
4	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	94
5	1,4-Methanonaphthalene, 1,4-dihy...	142	C11H10	004453-90-1	94





Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA M\DATA\BM121917\
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Acq On : 19 Dec 2017 15:53
Operator : SJ/JU
Sample : I6778-13ME 20X
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F9A78ME

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

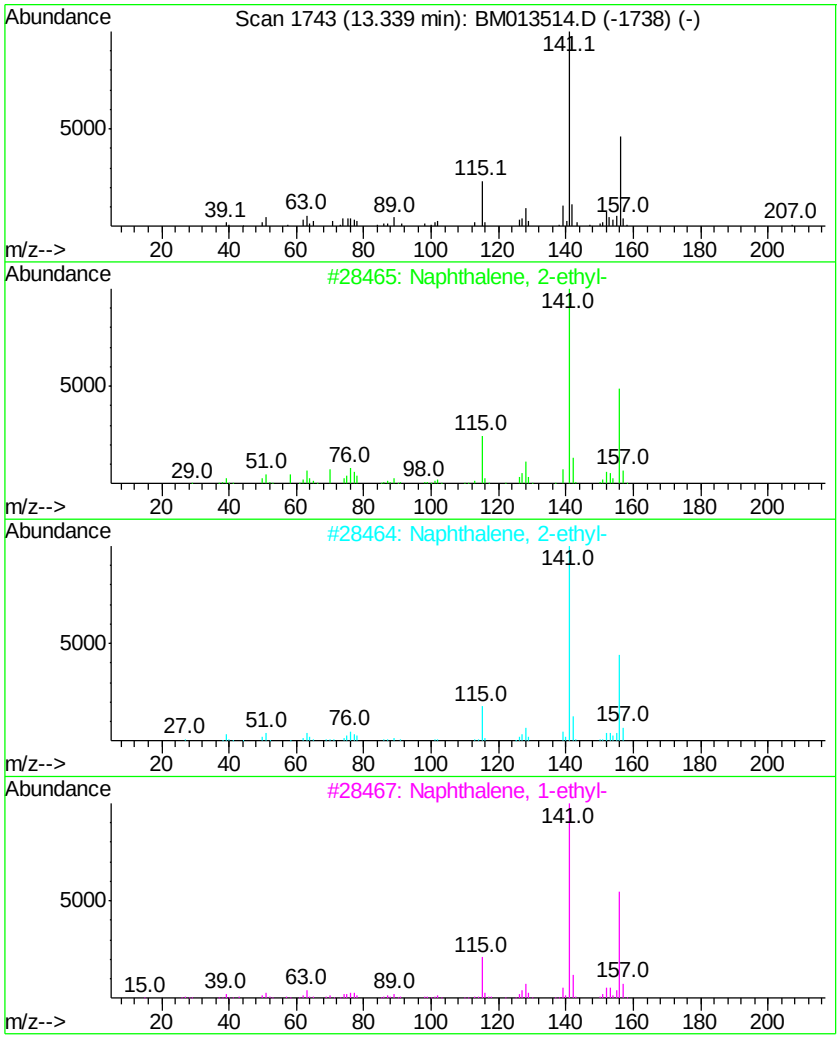
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

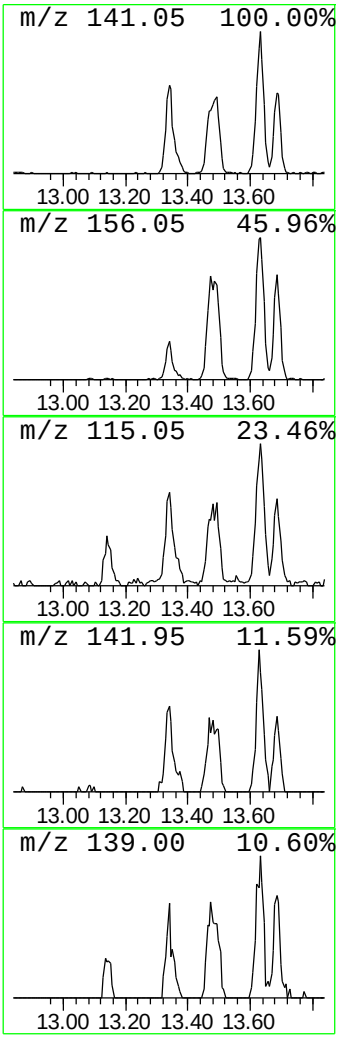
****

Peak Number 4 Naphthalene, 2-ethyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.34	2.53 ng/ul	275848	Acenaphthene-d10	14.32

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-ethyl-	156	C12H12	000939-27-5	93
2	Naphthalene, 2-ethyl-	156	C12H12	000939-27-5	91
3	Naphthalene, 1-ethyl-	156	C12H12	001127-76-0	91
4	Naphthalene, 2-ethyl-	156	C12H12	000939-27-5	91
5	Naphthalene, 1-ethyl-	156	C12H12	001127-76-0	90





Library Search Compound Report

Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA M\DATA\BM121917\
Data File : BM013514.D
Acq On : 19 Dec 2017 15:53
Operator : SJ/JU
Sample : I6778-13ME 20X
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F9A78ME

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

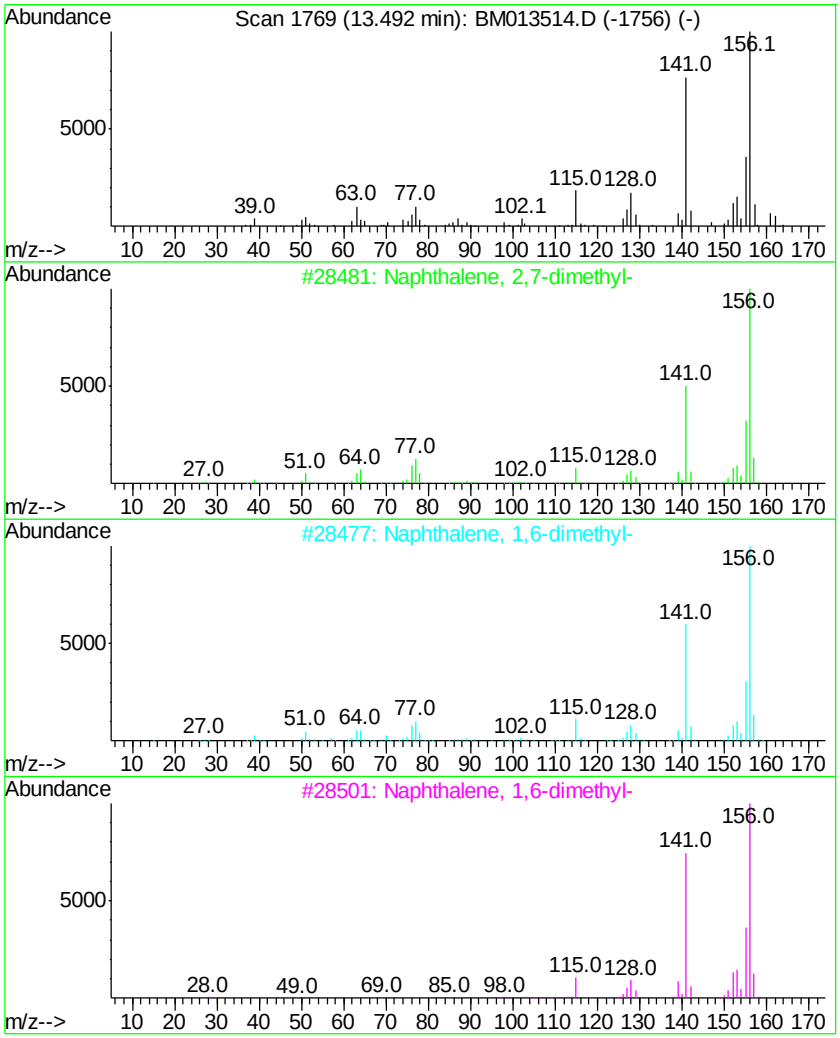
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

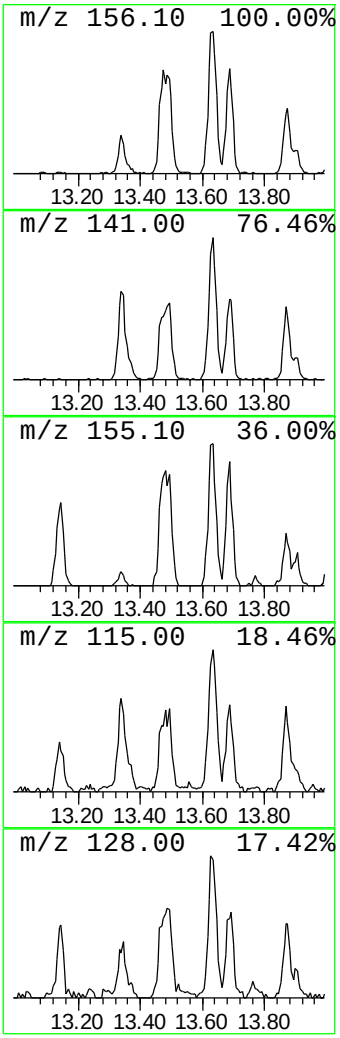
****

Peak Number 5 Naphthalene, 2,7-dimethyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.49	5.59 ng/ul	610913	Acenaphthene-d10	14.32

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	95
2	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	95
3	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	95
4	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	94
5	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	94





Library Search Compound Report

Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA M\DATA\BM121917\
Data File : BM013514.D
Acq On : 19 Dec 2017 15:53
Operator : SJ/JU
Sample : I6778-13ME 20X
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F9A78ME

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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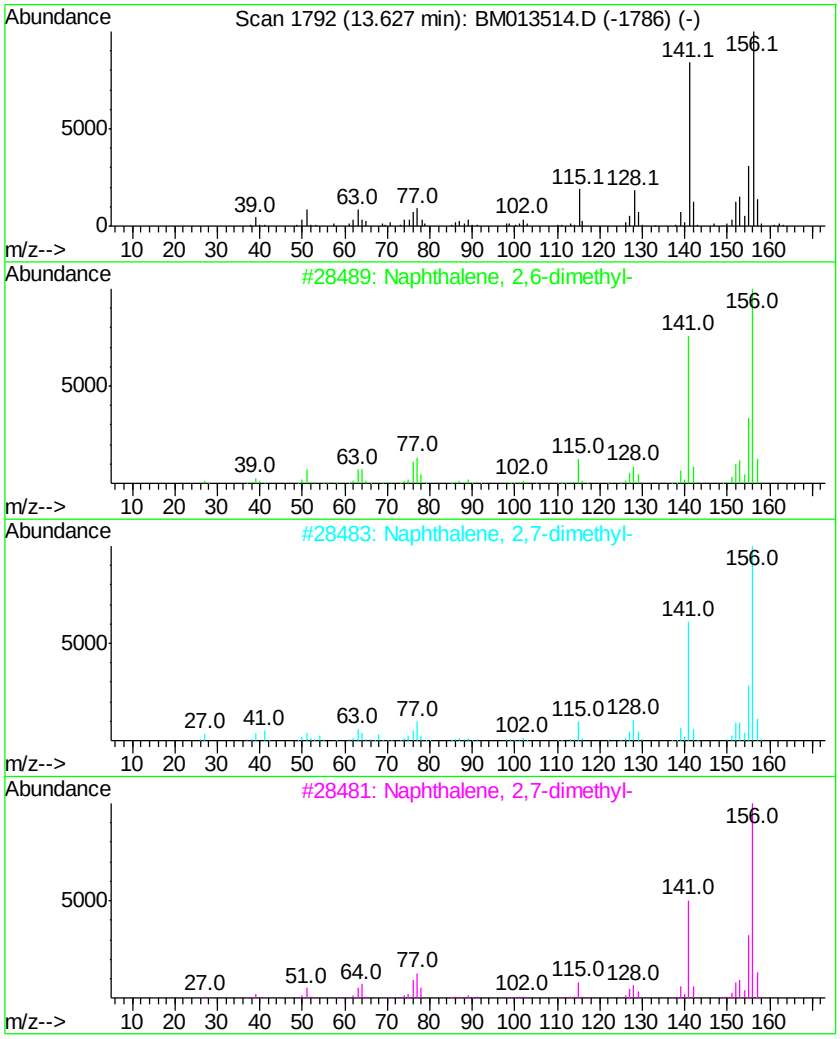
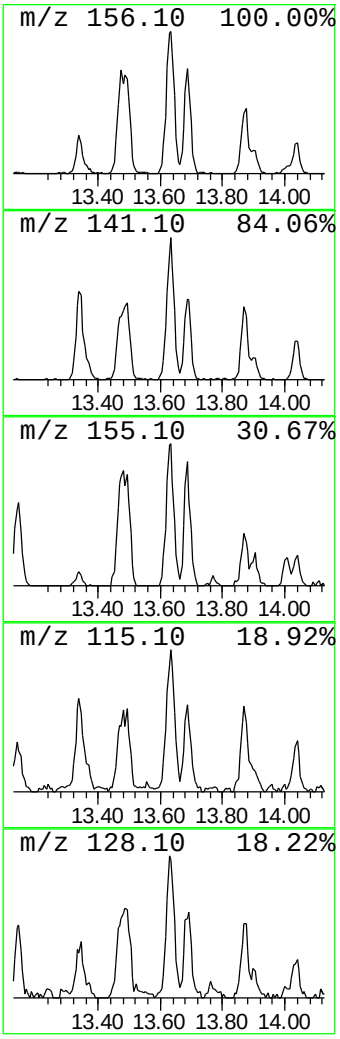
Peak Number 6 Naphthalene, 2,6-dimethyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.63	5.57 ng/ul	608042	Acenaphthene-d10	14.32

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	97
2	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	97
3	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	96
4	Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	96
5	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	96





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Operator : SJ/JU
Sample : I6778-13ME 20X
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F9A78ME

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

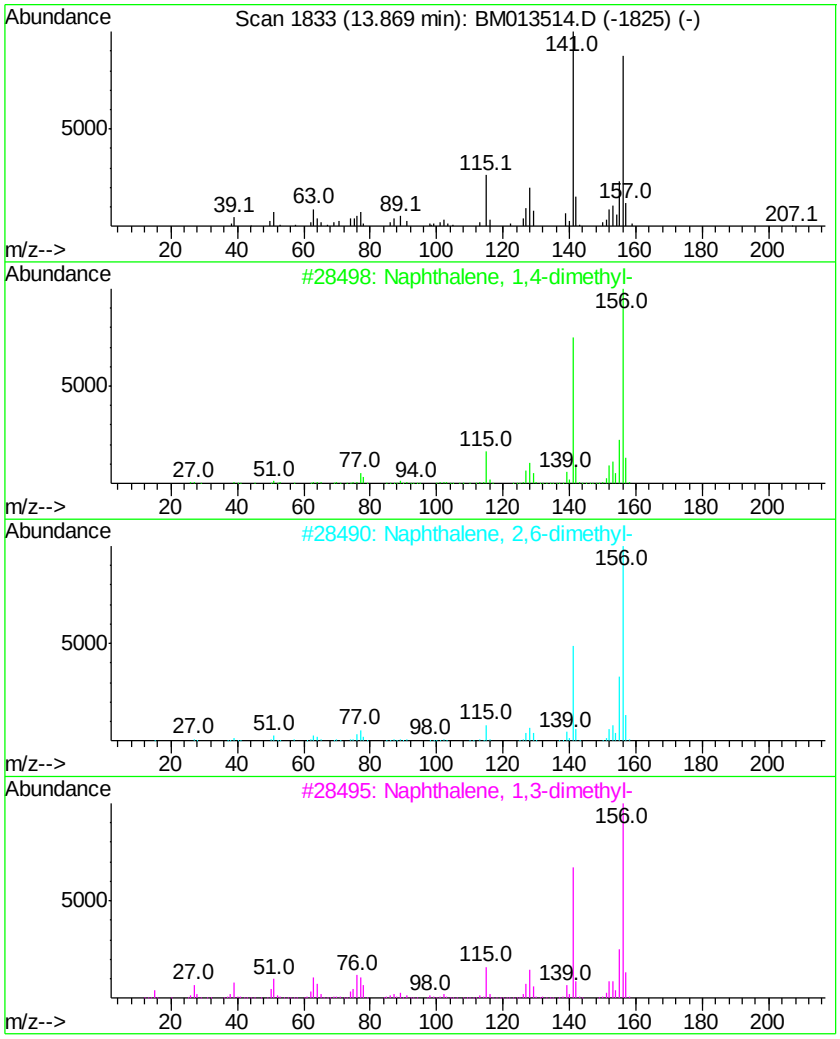
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

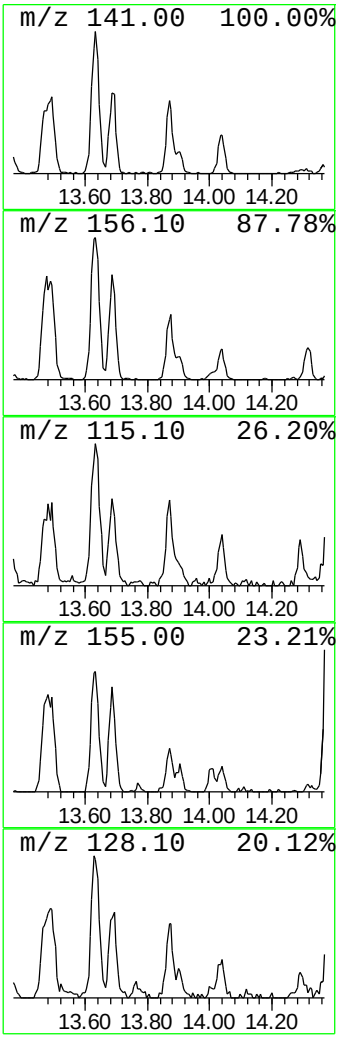
****

Peak Number 7 Naphthalene, 1,4-dimethyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.87	2.48 ng/ul	271315	Acenaphthene-d10	14.32

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	97
2	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	95
3	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	94
4	Naphthalene, 1,2-dimethyl-	156	C12H12	000573-98-8	94
5	Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	94





Library Search Compound Report

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Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F9A78ME

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

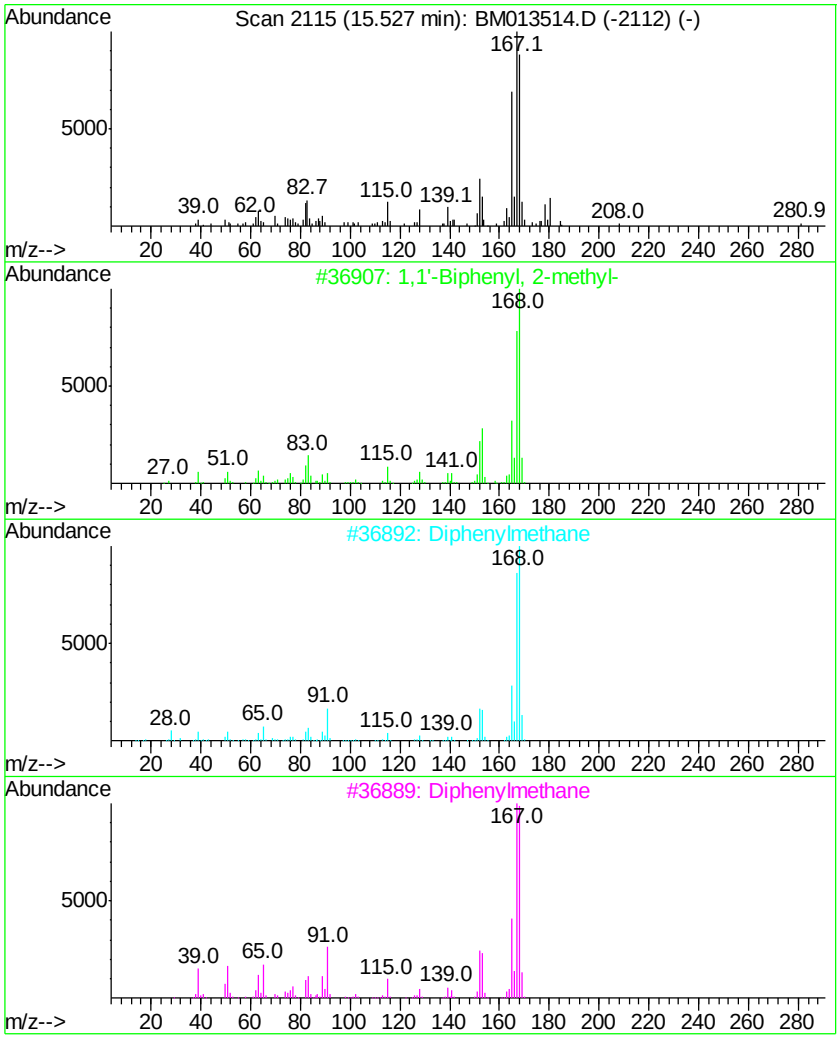
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

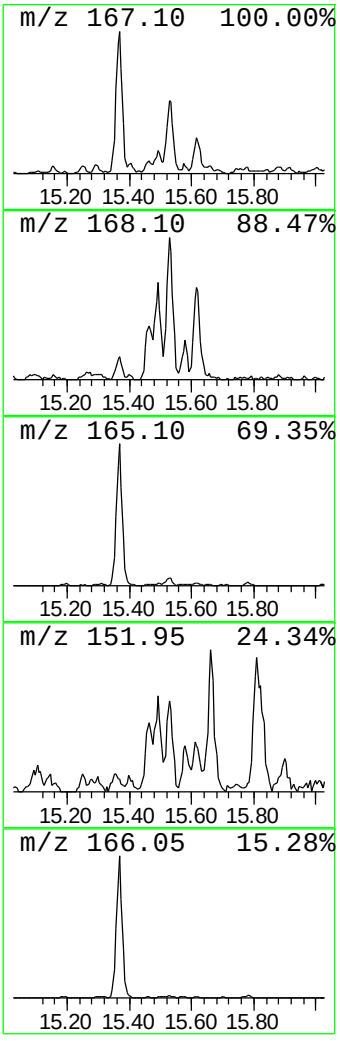
****

Peak Number 8 1,1'-Biphenyl, 2-methyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.53	2.91 ng/ul	317746	Acenaphthene-d10	14.32

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 2-methyl-	168	C13H12	000643-58-3	89
2	Diphenylmethane	168	C13H12	000101-81-5	70
3	Diphenylmethane	168	C13H12	000101-81-5	70
4	1,1'-Biphenyl, 4-methyl-	168	C13H12	000644-08-6	70
5	Fluorene, 1,4-dihydro-	168	C13H12	041593-21-9	70





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Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F9A78ME

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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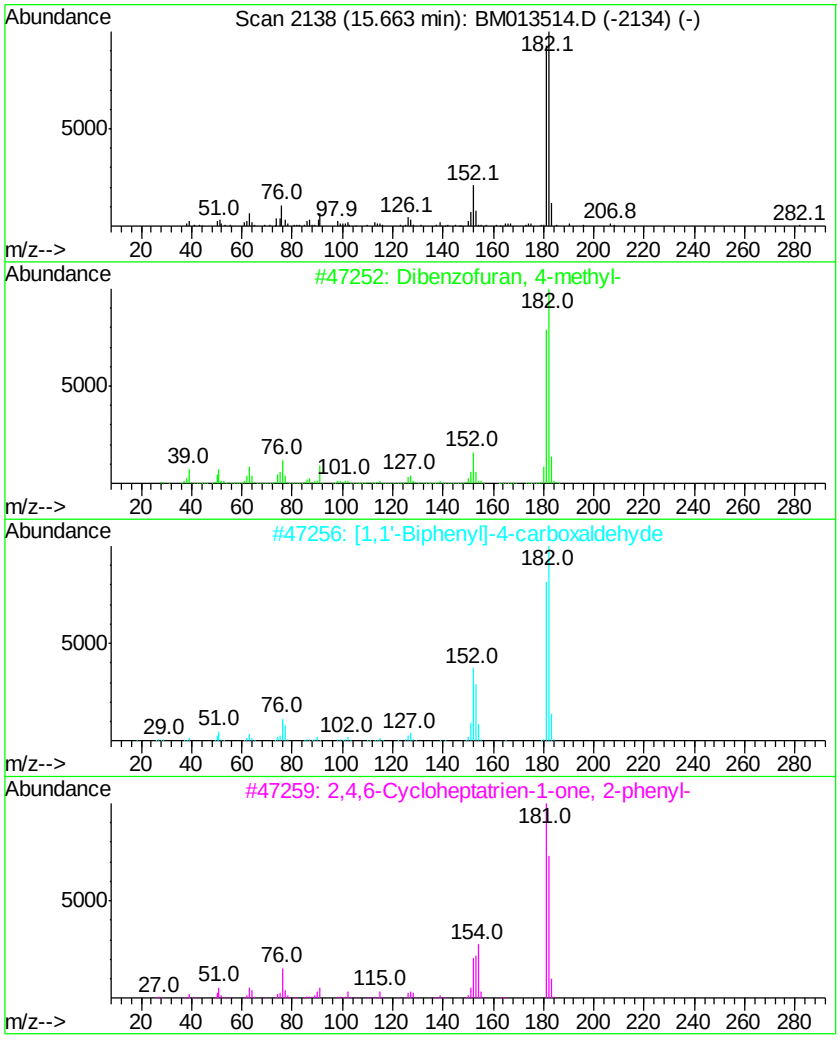
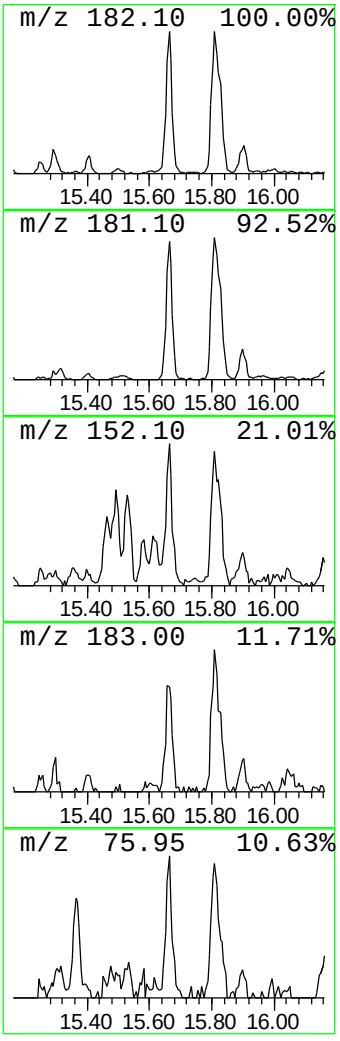
Peak Number 9 Dibenzofuran, 4-methyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.66	3.81 ng/ul	415753	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	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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Sample : I6778-13ME 20X
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F9A78ME

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

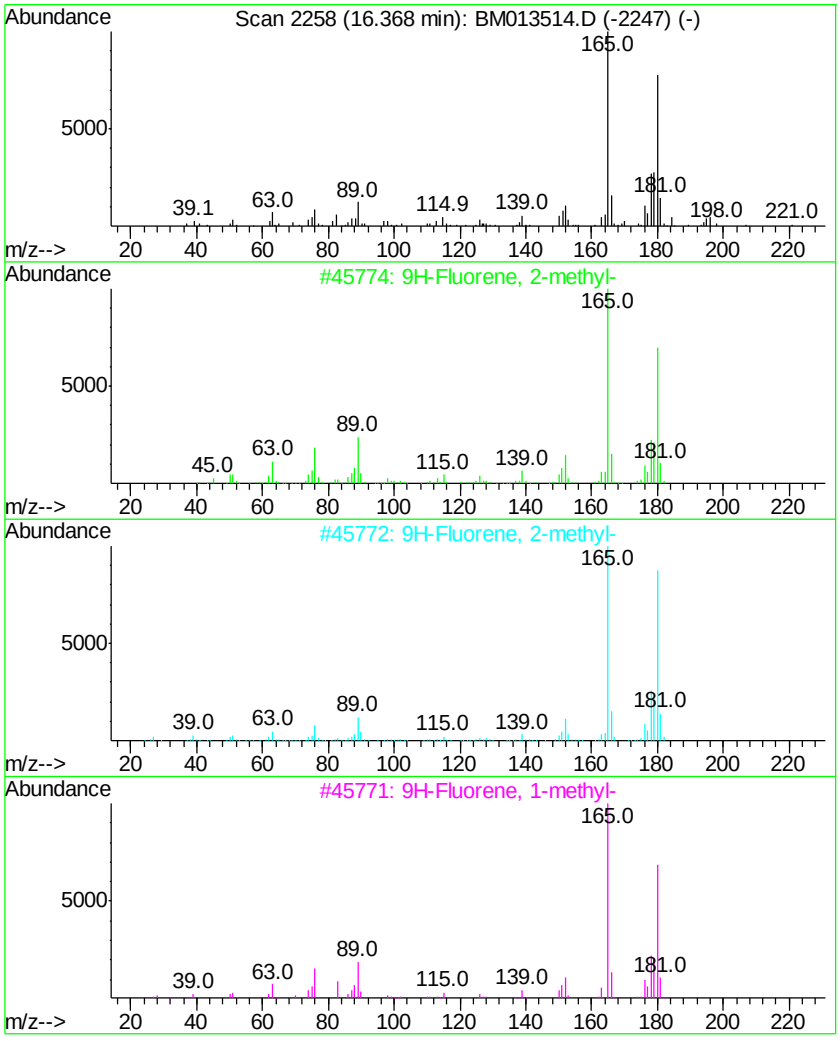
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

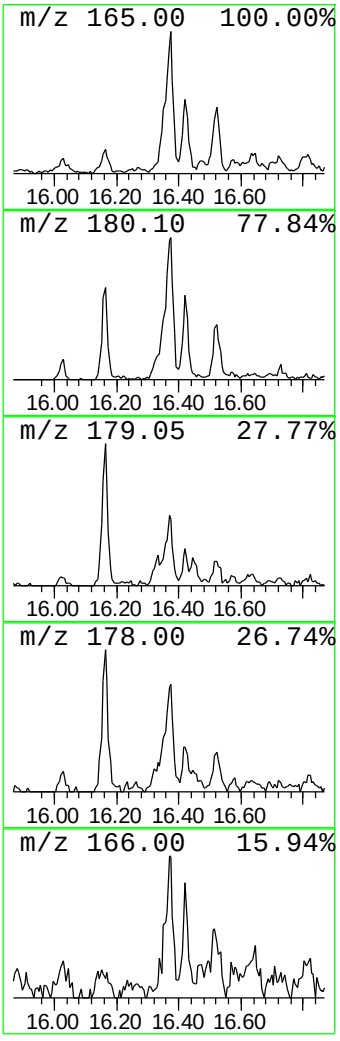
****

Peak Number 11 9H-Fluorene, 2-methyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.37	3.84 ng/ul	477360	Phenanthrene-d10	17.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	95
2	9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	93
3	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	90
4	9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	89
5	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	89





Library Search Compound Report

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Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F9A78ME

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

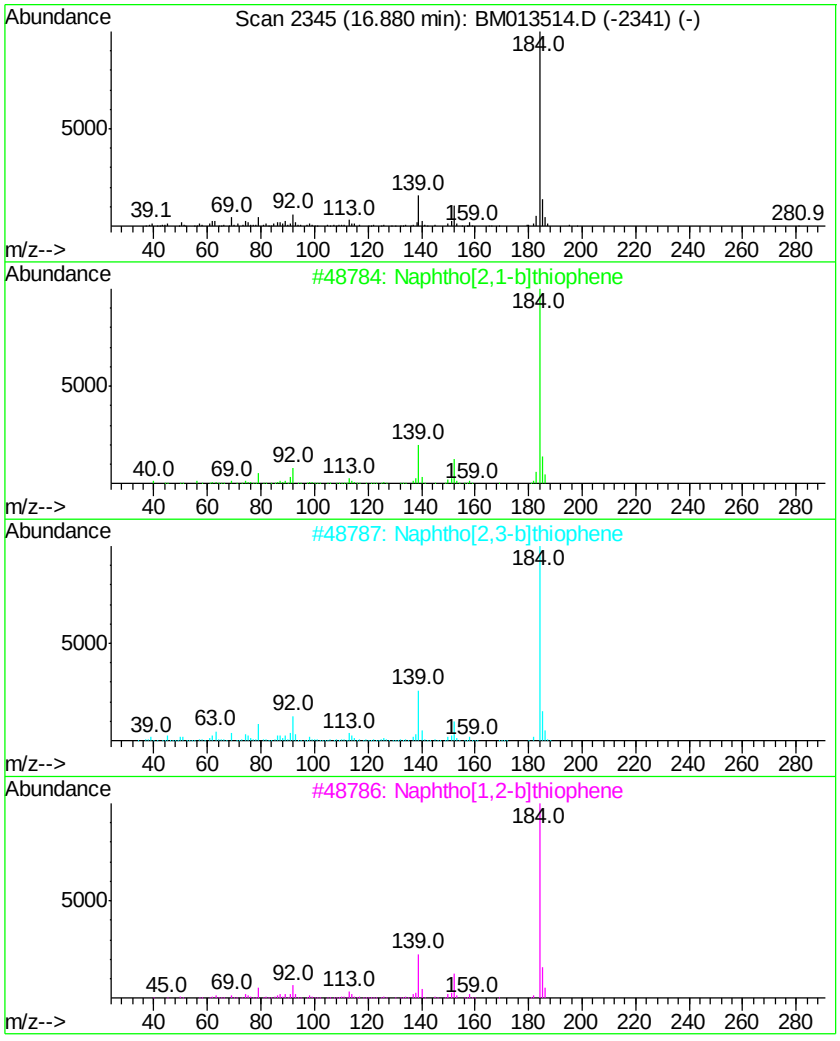
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

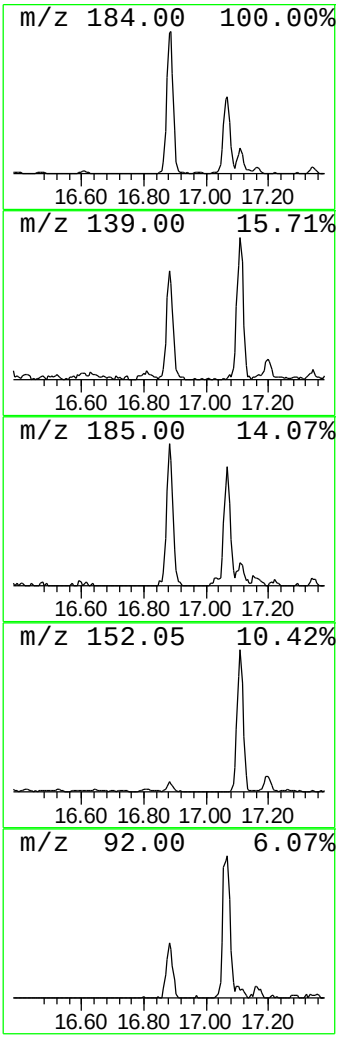
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.88	5.06 ng/ul	629077	Phenanthrene-d10	17.07

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





Library Search Compound Report

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Operator : SJ/JU
Sample : I6778-13ME 20X
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F9A78ME

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

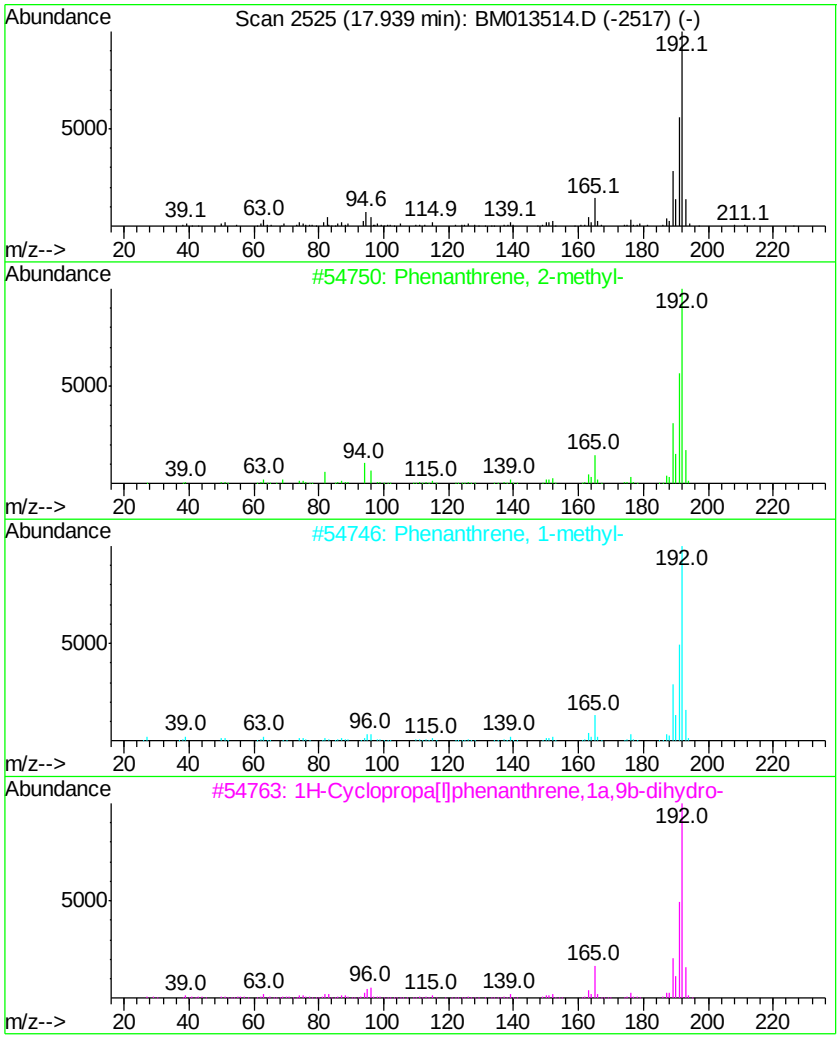
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

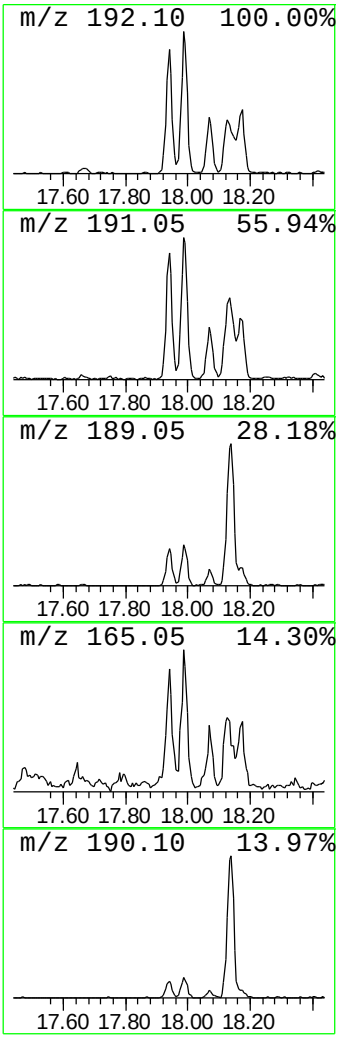
****

Peak Number 13 Phenanthrene, 2-methyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.94	4.81 ng/ul	597449	Phenanthrene-d10	17.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	98
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	97
3	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	96
4	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	95
5	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	95





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Operator : SJ/JU
Sample : I6778-13ME 20X
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F9A78ME

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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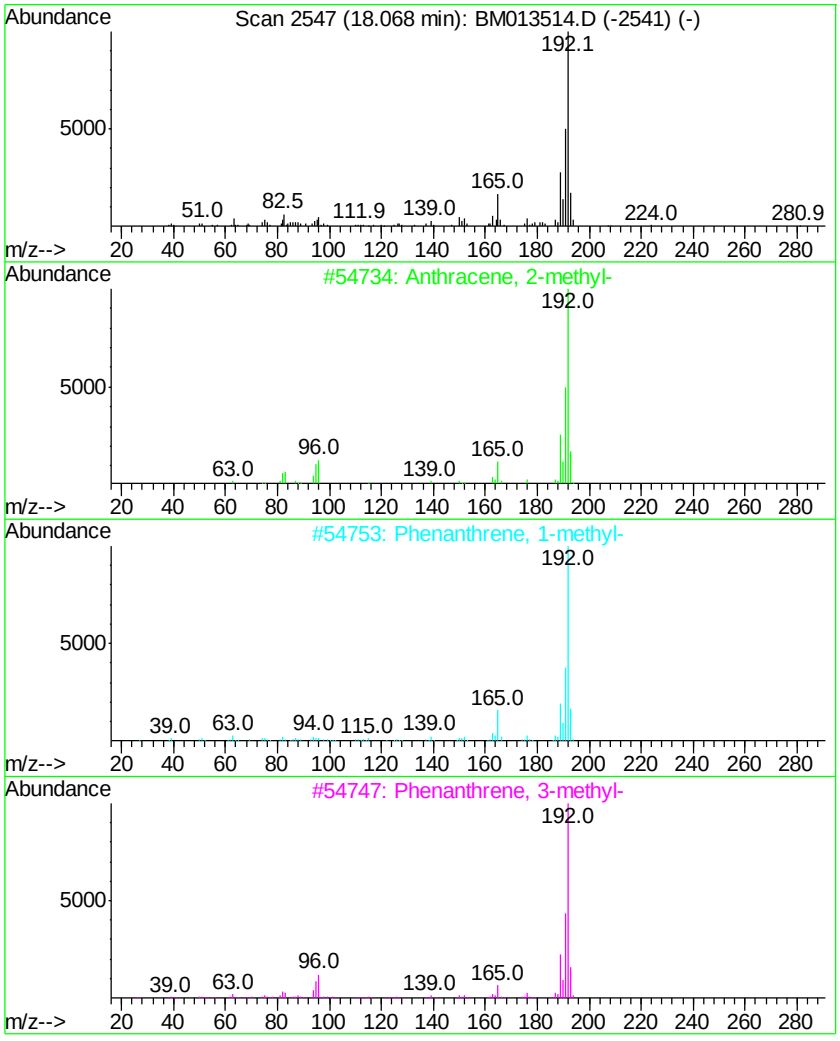
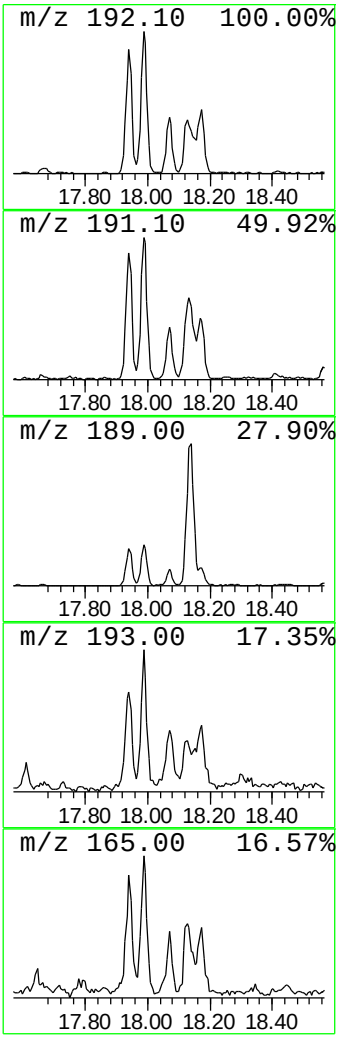
Peak Number 15 Anthracene, 2-methyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.07	2.25 ng/ul	280079	Phenanthrene-d10	17.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 2-methyl-	192	C15H12	000613-12-7	95
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	95
3	Phenanthrene, 3-methyl-	192	C15H12	000832-71-3	95
4	Anthracene, 2-methyl-	192	C15H12	000613-12-7	95
5	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	94





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Sample : I6778-13ME 20X
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F9A78ME

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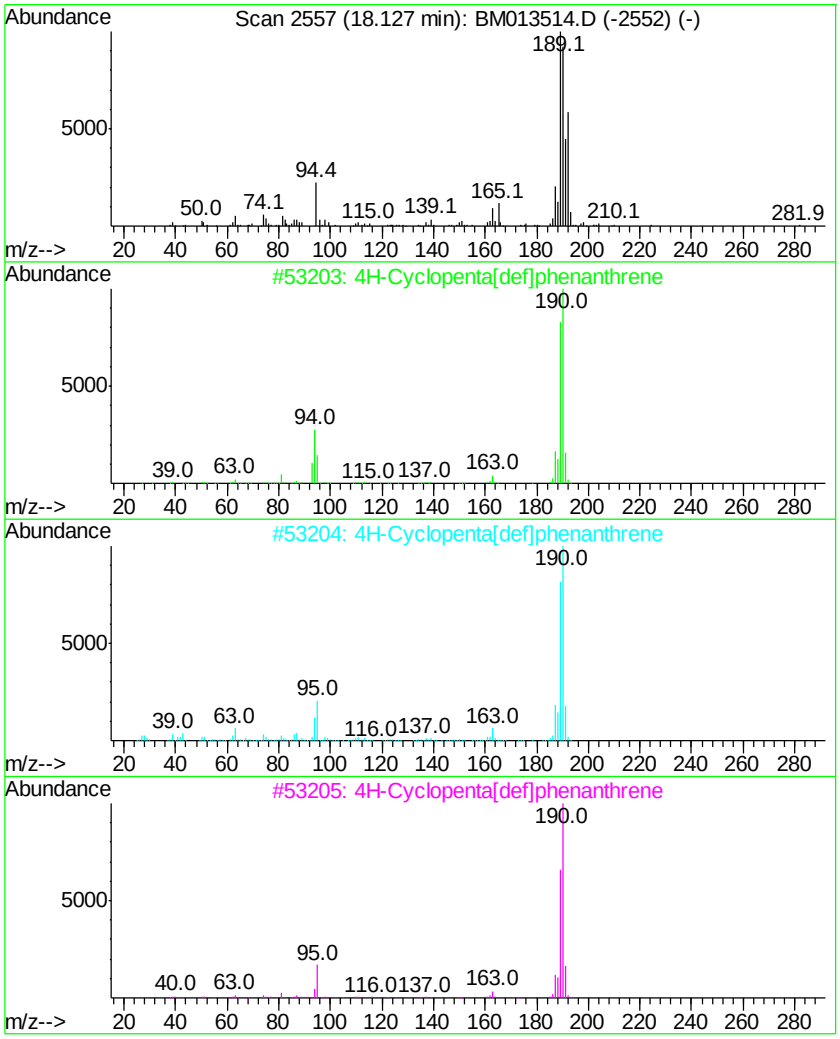
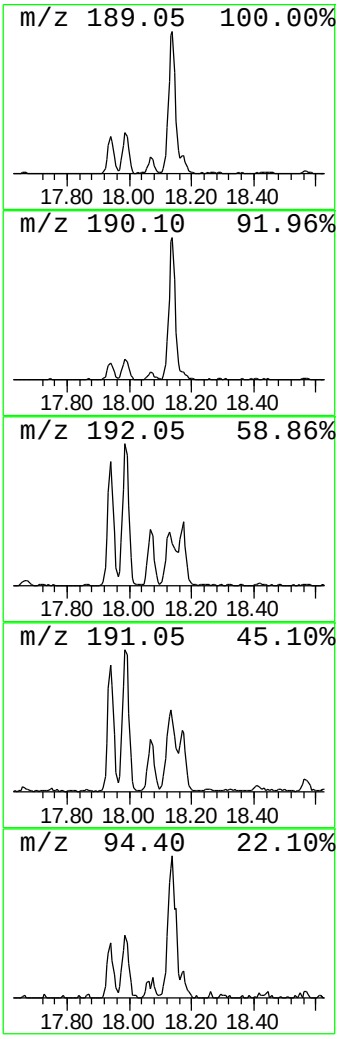
Peak Number 16 4H-Cyclopenta[def]phenanthrene Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.13	8.07 ng/ul	1002800	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	2,2'-Bis(4,5-dimethylimidazole)	190	C10H14N4	069286-06-2	45
5	2,2'-Bis(4,5-dimethylimidazole)	190	C10H14N4	069286-06-2	28





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Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F9A78ME

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 18 1,2,4,8-Tetramethylbicyclo[... Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.44	2.48 ng/ul	308494	Phenanthrene-d10	17.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,2,4,8-Tetramethylbicyclo[6.3.0...	204	C15H24	137235-51-9	80
2	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	78
3	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	70
4	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	70
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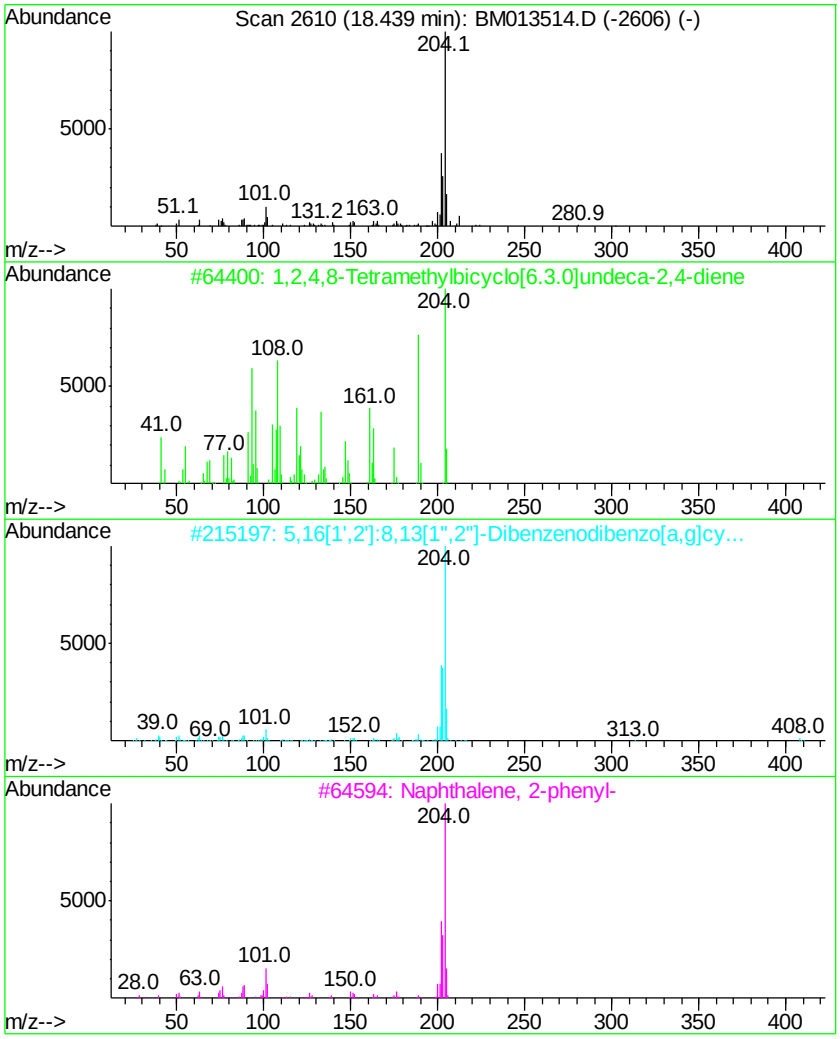

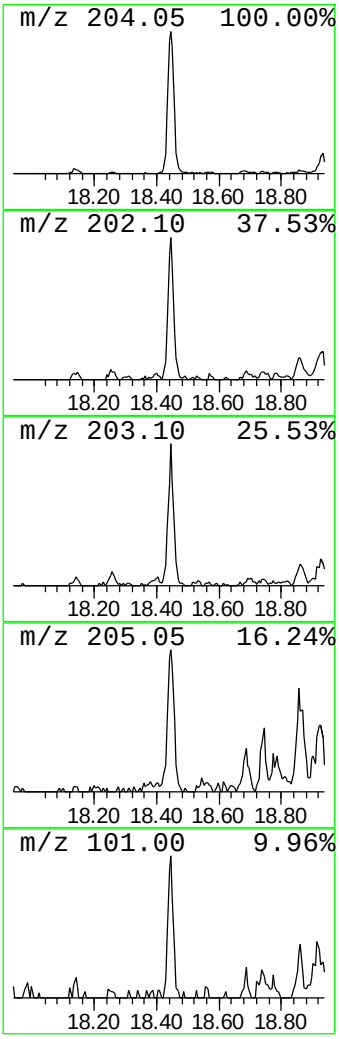

Library Search Compound Report

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Sample : I6778-13ME 20X
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ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F9A78ME

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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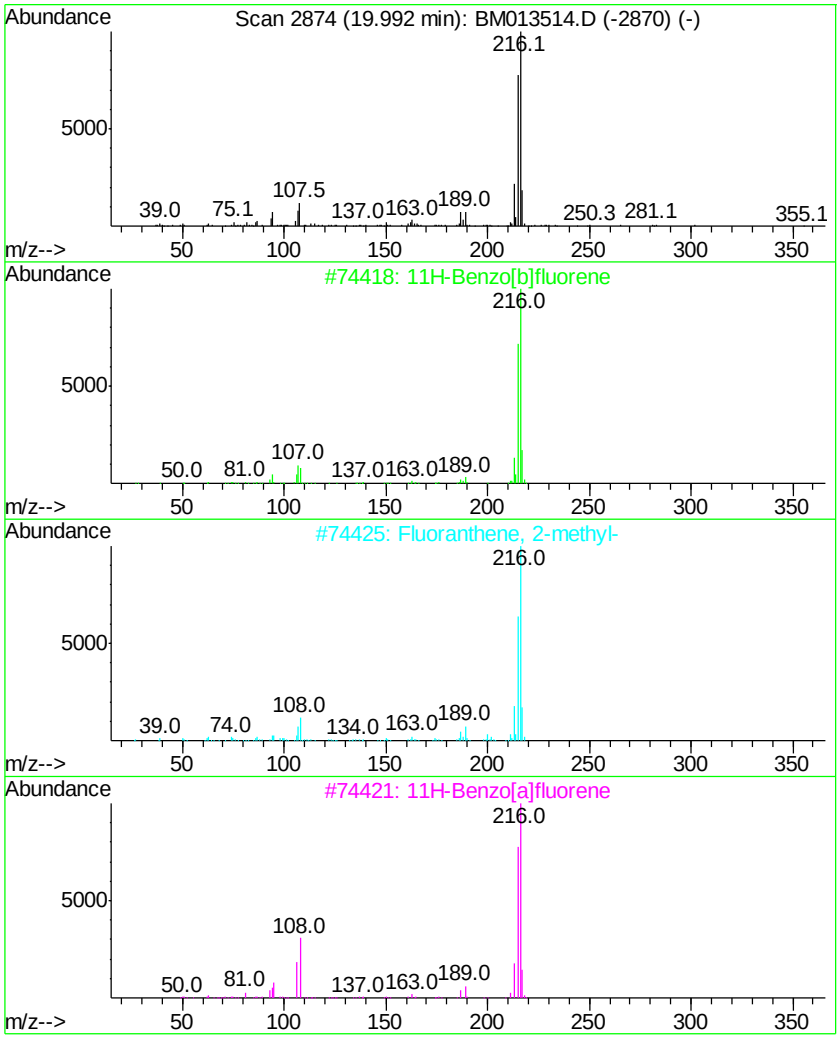
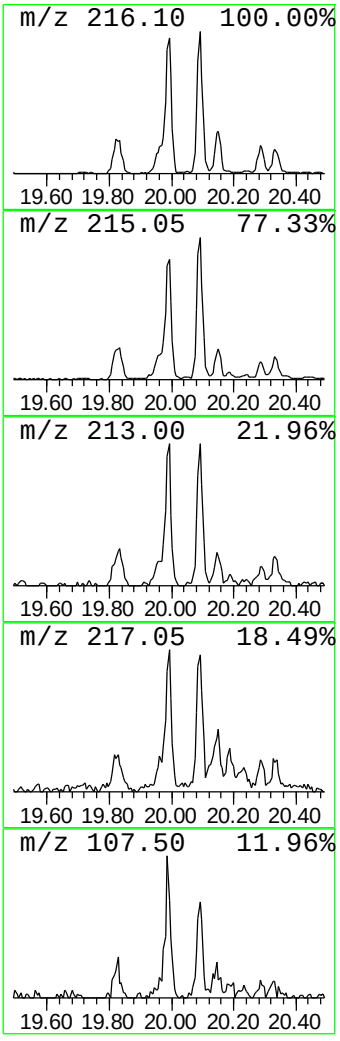
Peak Number 19 11H-Benzo[b]fluorene Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.99	2.71 ng/ul	416871	Chrysene-d12	21.26

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	91
2	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	87
3	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	87
4	Pyrene, 1-methyl-	216	C17H12	002381-21-7	83
5	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	83





Tentatively Identified Compound (LSC) summary

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Operator : SJ/JU
Sample : I6778-13ME 20X
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F9A78ME

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
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Benzene, 1-propynyl-	8.20	3.4	ng/ul	163248	1	7.67	971024	20.0
Naphthalene, 1-me...	12.34	14.6	ng/ul	1050870	2	10.45	1442780	20.0
Naphthalene, 2-et...	13.34	2.5	ng/ul	275848	3	14.32	2183920	20.0
Naphthalene, 2,7-...	13.49	5.6	ng/ul	610913	3	14.32	2183920	20.0
Naphthalene, 2,6-...	13.63	5.6	ng/ul	608042	3	14.32	2183920	20.0
Naphthalene, 1,4-...	13.87	2.5	ng/ul	271315	3	14.32	2183920	20.0
1,1'-Biphenyl, 2-...	15.53	2.9	ng/ul	317746	3	14.32	2183920	20.0
Dibenzofuran, 4-m...	15.66	3.8	ng/ul	415753	3	14.32	2183920	20.0
9H-Fluorene, 2-me...	16.37	3.8	ng/ul	477360	4	17.07	2485780	20.0
Naphtho[2,1-b]thi...	16.88	5.1	ng/ul	629077	4	17.07	2485780	20.0
Phenanthrene, 2-m...	17.94	4.8	ng/ul	597449	4	17.07	2485780	20.0
Anthracene, 2-met...	18.07	2.3	ng/ul	280079	4	17.07	2485780	20.0
4H-Cyclopenta[def...	18.13	8.1	ng/ul	1002800	4	17.07	2485780	20.0
1,2,4,8-Tetrameth...	18.44	2.5	ng/ul	308494	4	17.07	2485780	20.0
11H-Benzo[b]fluorene	19.99	2.7	ng/ul	416871	5	21.26	3080240	20.0