LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA M\DATA\BM012918\
Data File : BM013958.D
Acq On : 29 Jan 2018 14:47
Operator : SJ/JU
Sample : J1243-10 20X
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F6B33

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	7.575	772	780	788	rBV	351139	634373	8.48%	1.163%
2	9.745	1143	1149	1158	rVB4	41550	86791	1.16%	0.159%
3	9.980	1184	1189	1194	rBV4	44637	81940	1.09%	0.150%
4	10.345	1239	1251	1254	rBV	543989	954503	12.75%	1.750%
5	10.392	1254	1259	1268	rVB	2135715	3619916	48.37%	6.637%
6	10.516	1275	1280	1291	rVB3	71979	161335	2.16%	0.296%
7	11.198	1386	1396	1401	rBV3	33874	82815	1.11%	0.152%
8	11.774	1488	1494	1499	rBV2	87837	133390	1.78%	0.245%
9	12.016	1524	1535	1547	rBV	1756966	2798832	37.40%	5.131%
10	12.239	1563	1573	1583	rBV	758775	1288225	17.21%	2.362%
11	13.045	1704	1710	1718	rBV2	509892	874883	11.69%	1.604%
12	13.245	1739	1744	1756	rVB	155535	305579	4.08%	0.560%
13	13.380	1756	1767	1768	rBV	192270	265461	3.55%	0.487%
14	13.539	1787	1794	1799	rBV	275532	493197	6.59%	0.904%
15	13.598	1799	1804	1811	rVV	161221	269747	3.60%	0.495%
16	13.704	1816	1822	1826	rVB3	79509	127473	1.70%	0.234%
17	13.780	1831	1835	1839	rVV2	105085	178432	2.38%	0.327%
18	13.915	1852	1858	1861	rBV2	67259	110037	1.47%	0.202%
19	13.951	1861	1864	1869	rVB3	64809	94735	1.27%	0.174%
20	14.127	1888	1894	1900	rBV	228295	312492	4.18%	0.573%
21	14.215	1900	1909	1916	rVV3	934353	2137378	28.56%	3.919%
22	14.286	1916	1921	1931	rVV	1514416	2314039	30.92%	4.242%
23	14.374	1931	1936	1942	rVV2	92204	147082	1.97%	0.270%
24	14.433	1942	1946	1957	rVB3	48723	125758	1.68%	0.231%
25	14.533	1957	1963	1968	rBV6	66457	140959	1.88%	0.258%
26	14.627	1968	1979	1989	rVV	1390364	2183546	29.17%	4.003%
27	14.710	1989	1993	1997	rVV4	52382	82714	1.11%	0.152%
28	14.757	1997	2001	2008	rVB10	47013	85219	1.14%	0.156%
29	14.851	2010	2017	2023	rBV5	61263	125712	1.68%	0.230%
30	15.021	2039	2046	2048	rBV7	44027	95792	1.28%	0.176%
31	15.086	2051	2057	2062	rVB	260520	357555	4.78%	0.656%
32	15.221	2075	2080	2084	rVB3	79500	117100	1.56%	0.215%
33	15.280	2084	2090	2098	rBV	1219707	1727194	23.08%	3.167%
34	15.445	2114	2118	2122	rVB2	148268	200753	2.68%	0.368%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA M\DATA\BM012918\
Data File : BM013958.D
Acq On : 29 Jan 2018 14:47
Operator : SJ/JU
Sample : J1243-10 20X
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F6B33

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	15.492	2122	2126	2129	rBV3	87943	113130	1.51%	0.207%
36	15.533	2129	2133	2136	rVV	83794	118017	1.58%	0.216%
37	15.580	2136	2141	2149	rVB	256285	398938	5.33%	0.731%
38	15.698	2155	2161	2164	rBV	570193	832855	11.13%	1.527%
39	15.957	2200	2205	2212	rBV2	271619	594273	7.94%	1.090%
40	16.021	2212	2216	2222	rVB	330590	439771	5.88%	0.806%
41	16.292	2256	2262	2266	rVV3	88908	152077	2.03%	0.279%
42	16.333	2266	2269	2276	rVB4	48798	84509	1.13%	0.155%
43	16.521	2293	2301	2304	rBV4	60614	132768	1.77%	0.243%
44	16.556	2304	2307	2311	rVB4	54347	75382	1.01%	0.138%
45	16.639	2317	2321	2329	rVB5	211781	361308	4.83%	0.662%
46	16.745	2329	2339	2344	rBV4	286483	620192	8.29%	1.137%
47	16.798	2344	2348	2358	rVB	383308	597963	7.99%	1.096%
48	16.886	2358	2363	2367	rBV	101891	151366	2.02%	0.278%
49	16.980	2373	2379	2382	rBV	1054312	1490165	19.91%	2.732%
50	17.027	2382	2387	2393	rVB	5334587	7484494	100.00%	13.722%
51	17.115	2398	2402	2407	rVB	601701	885776	11.83%	1.624%
52	17.203	2412	2417	2424	rVB3	144850	245553	3.28%	0.450%
53	17.392	2443	2449	2460	rBV	264549	549999	7.35%	1.008%
54	17.486	2460	2465	2471	rBV2	203206	349795	4.67%	0.641%
55	17.856	2523	2528	2531	rVV	298689	430157	5.75%	0.789%
56	17.903	2531	2536	2543	rVV	417374	655508	8.76%	1.202%
57	17.986	2546	2550	2555	rVV	130208	207069	2.77%	0.380%
58	18.050	2556	2561	2565	rVV2	484906	815121	10.89%	1.494%
59	18.086	2565	2567	2572	rVB	140712	191908	2.56%	0.352%
60	18.174	2579	2582	2587	rBV	166610	205644	2.75%	0.377%
61	18.362	2610	2614	2620	rVB	246168	338123	4.52%	0.620%
62	18.786	2681	2686	2688	rBV3	73582	115400	1.54%	0.212%
63	18.821	2688	2692	2695	rVV	121267	146787	1.96%	0.269%
64	19.050	2725	2731	2736	rBV	2719214	3784896	50.57%	6.939%
65	19.292	2768	2772	2777	rVB2	63961	80688	1.08%	0.148%
66	19.409	2782	2792	2802	rBV2	1685128	3254923	43.49%	5.967%
67	19.492	2802	2806	2813	rVB2	87958	151493	2.02%	0.278%
68	19.597	2820	2824	2831	rVB	93199	143578	1.92%	0.263%
69	19.739	2843	2848	2850	rBV2	76766	141240	1.89%	0.259%
70	19.880	2868	2872	2875	rBV6	44468	82922	1.11%	0.152%
71	19.915	2875	2878	2881	rVV	168112	206285	2.76%	0.378%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA M\DATA\BM012918\
Data File : BM013958.D
Acq On : 29 Jan 2018 14:47
Operator : SJ/JU
Sample : J1243-10 20X
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F6B33

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

72	20.015	2891	2895	2900	rBV2	204532	264298	3.53%	0.485%
73	20.074	2900	2905	2908	rBV3	84492	132732	1.77%	0.243%
74	20.262	2933	2937	2941	rBV6	56489	84572	1.13%	0.155%
75	20.439	2964	2967	2971	rBV4	81290	100343	1.34%	0.184%
76	20.868	3037	3040	3043	rBV	71412	89492	1.20%	0.164%
77	20.903	3043	3046	3052	rVV5	87232	140543	1.88%	0.258%
78	21.180	3087	3093	3097	rBV2	1458262	2303715	30.78%	4.224%
79	21.221	3097	3100	3106	rVB	246668	345881	4.62%	0.634%
80	21.339	3116	3120	3123	rBV3	119964	170110	2.27%	0.312%
81	23.368	3459	3465	3477	rVB2	802469	1567700	20.95%	2.874%

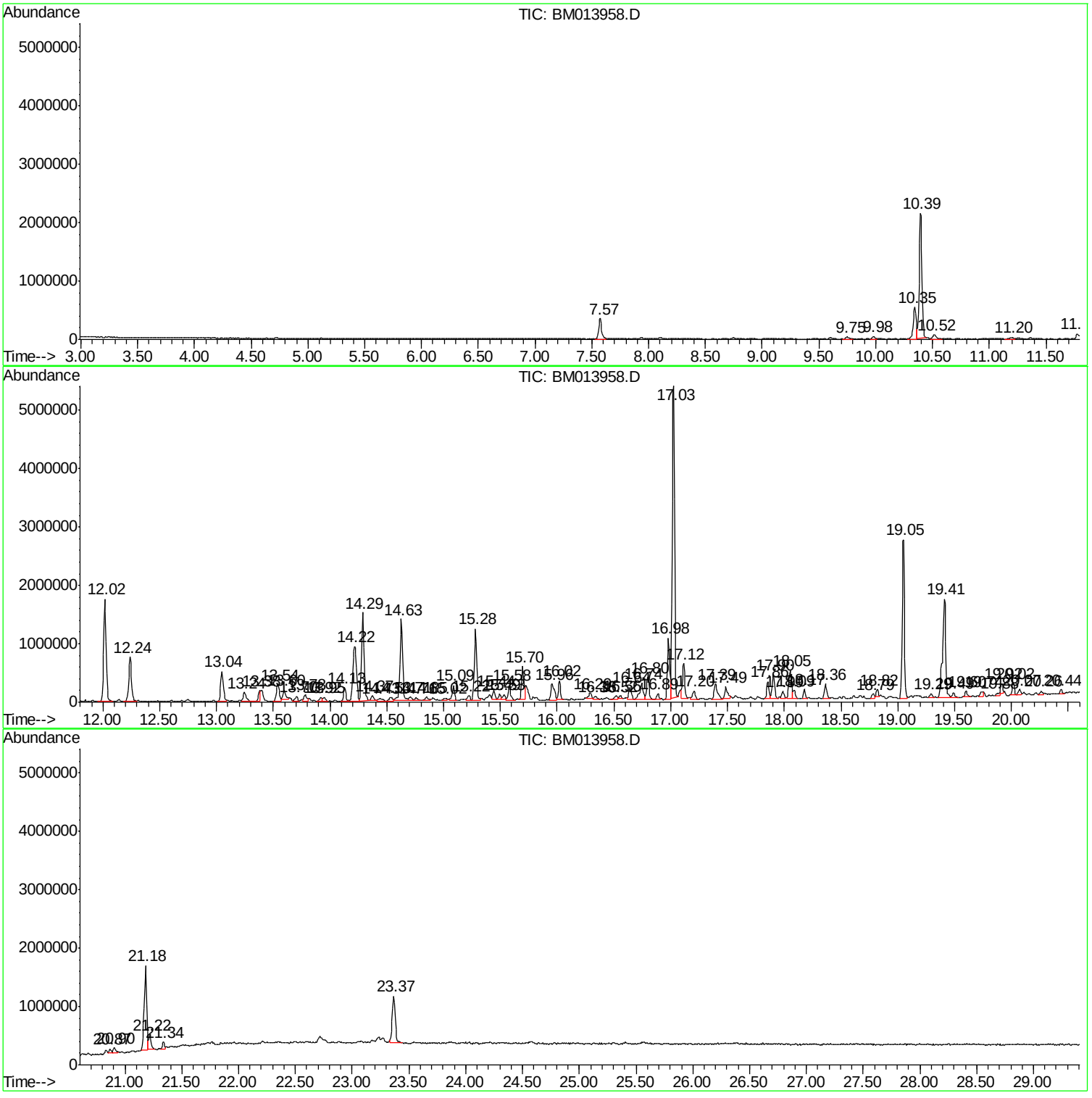
Sum of corrected areas: 54544416

Data Path : Z:\HPCHEM1\BNA M\DATA\BM012918\
Data File : BM013958.D
Acq On : 29 Jan 2018 14:47
Operator : SJ/JU
Sample : J1243-10 20X
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F6B33

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



Data Path : Z:\HPCHEM1\BNA M\DATA\BM012918\
Data File : BM013958.D
Acq On : 29 Jan 2018 14:47
Operator : SJ/JU
Sample : J1243-10 20X
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F6B33

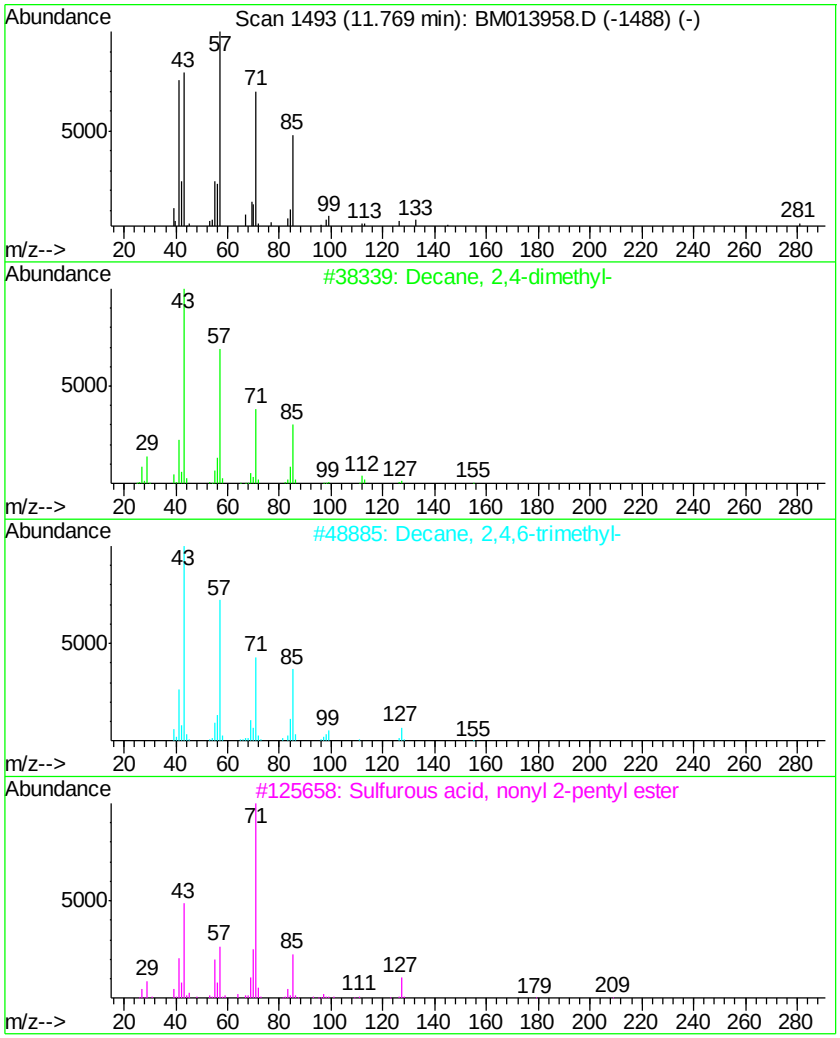
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM011018.M
Quant Title : SVOA CALIBRATION

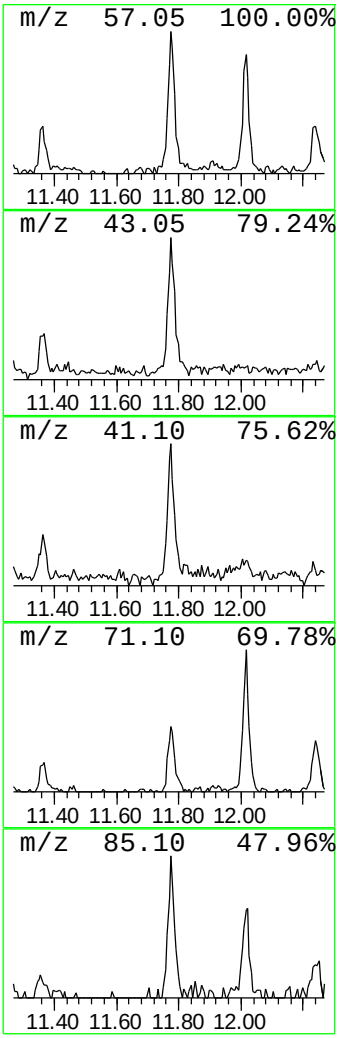
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 1 (DEL) Alkane: Straight-Chai... Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.77	2.79 ng/ul	133390	Naphthalene-d8	10.35

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Decane, 2,4-dimethyl-	170	C12H26	002801-84-5	64
2	Decane, 2,4,6-trimethyl-	184	C13H28	062108-27-4	64
3	Sulfurous acid, nonyl 2-pentyl e...	278	C14H30O3S	1000309-15-8	53
4	Decane, 1-iodo-	268	C10H21I	002050-77-3	53
5	Decane, 4-ethyl-	170	C12H26	001636-44-8	53





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA M\DATA\BM012918\
Data File : BM013958.D
Acq On : 29 Jan 2018 14:47
Operator : SJ/JU
Sample : J1243-10 20X
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F6B33

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

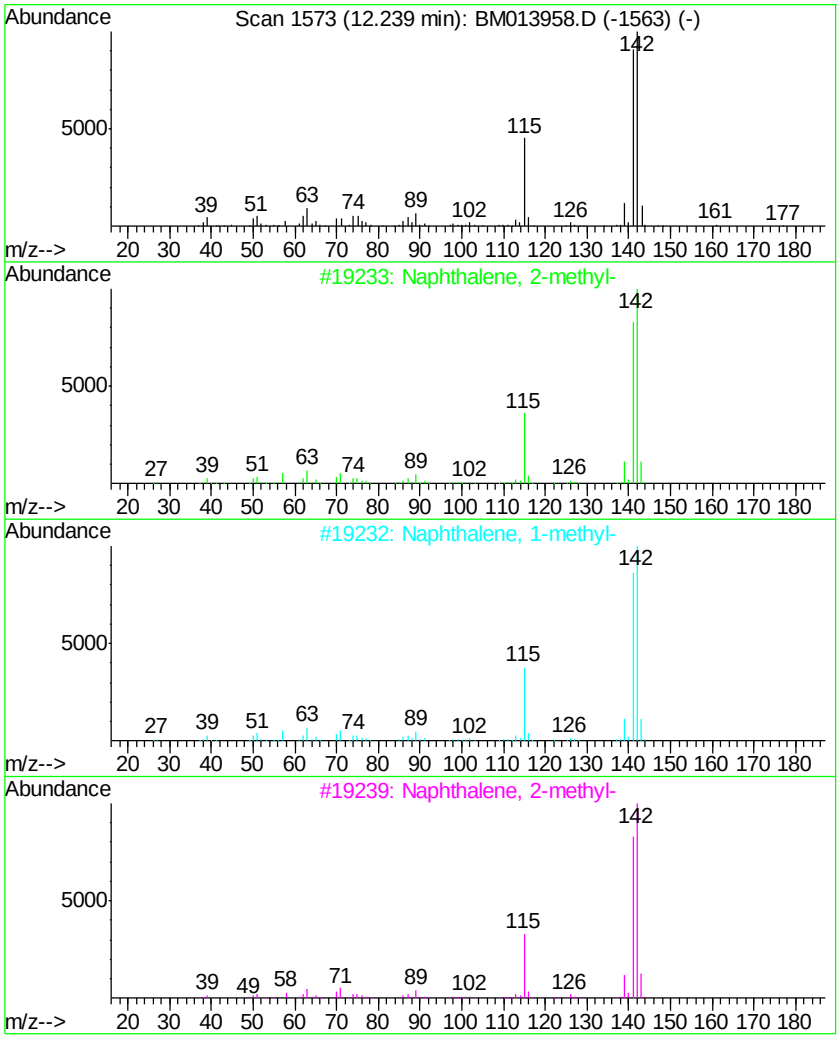
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

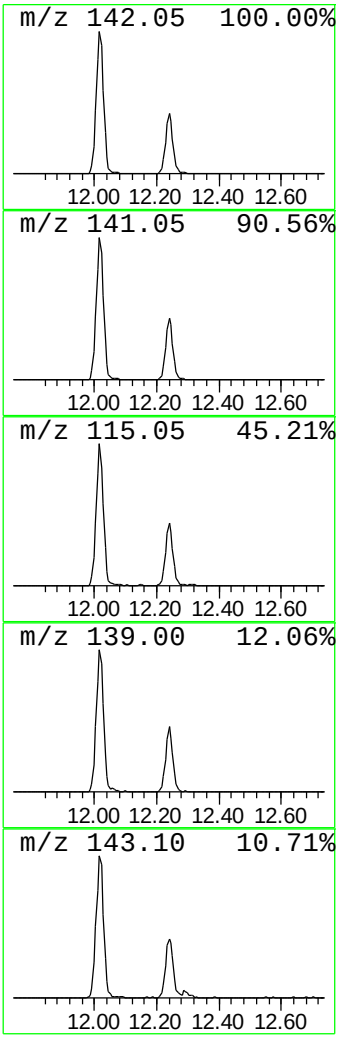
****

Peak Number 2 Naphthalene, 1-methyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.24	26.99 ng/ul	1288230	Naphthalene-d8	10.35

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	97
3	Naphthalene, 2-methyl-	142	C11H10	000091-57-6	94
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 : Z:\HPCHEM1\BNA M\DATA\BM012918\
Data File : BM013958.D
Acq On : 29 Jan 2018 14:47
Operator : SJ/JU
Sample : J1243-10 20X
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F6B33

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

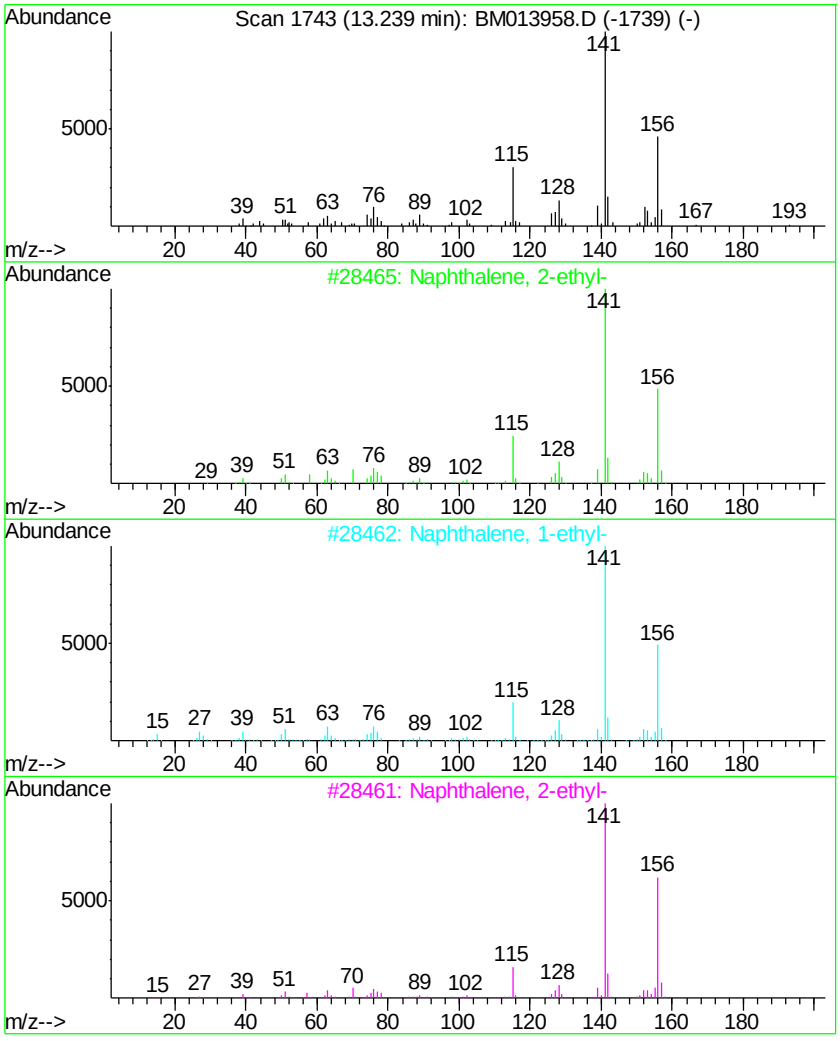
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

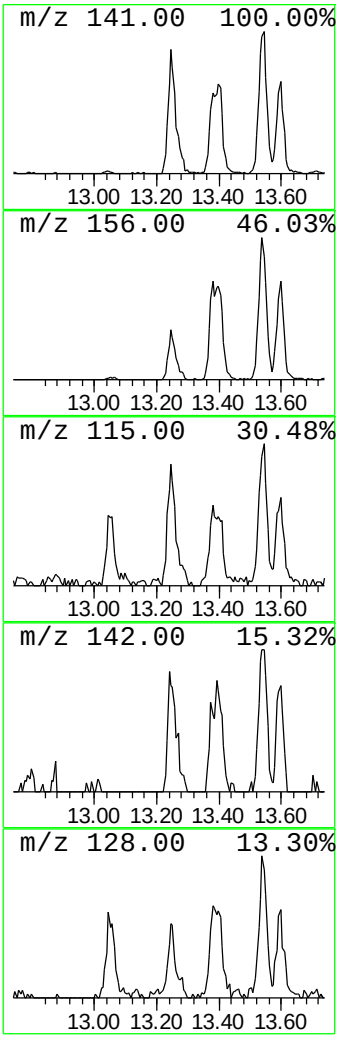
****

Peak Number 3 Naphthalene, 2-ethyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.24	2.86 ng/ul	305579	Acenaphthene-d10	14.22

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-ethyl-	156	C12H12	000939-27-5	95
2	Naphthalene, 1-ethyl-	156	C12H12	001127-76-0	94
3	Naphthalene, 2-ethyl-	156	C12H12	000939-27-5	93
4	Naphthalene, 1-ethyl-	156	C12H12	001127-76-0	90
5	Naphthalene, 2-ethyl-	156	C12H12	000939-27-5	90





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA M\DATA\BM012918\
Data File : BM013958.D
Acq On : 29 Jan 2018 14:47
Operator : SJ/JU
Sample : J1243-10 20X
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F6B33

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

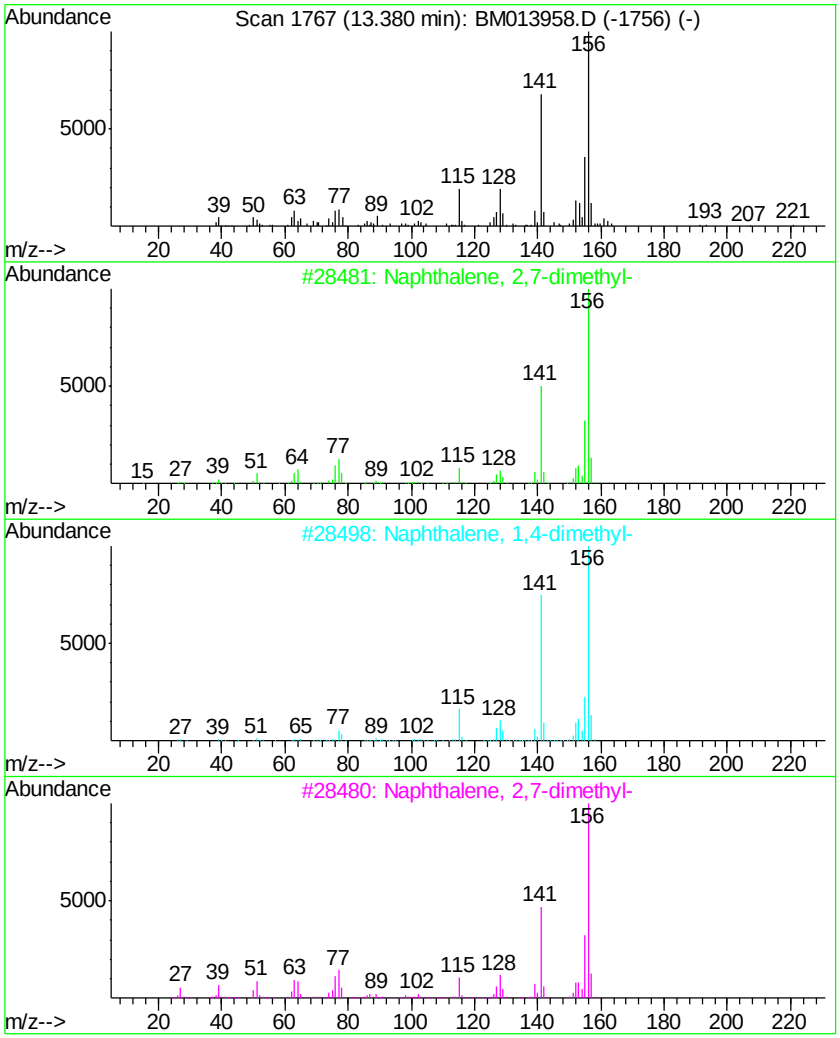
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

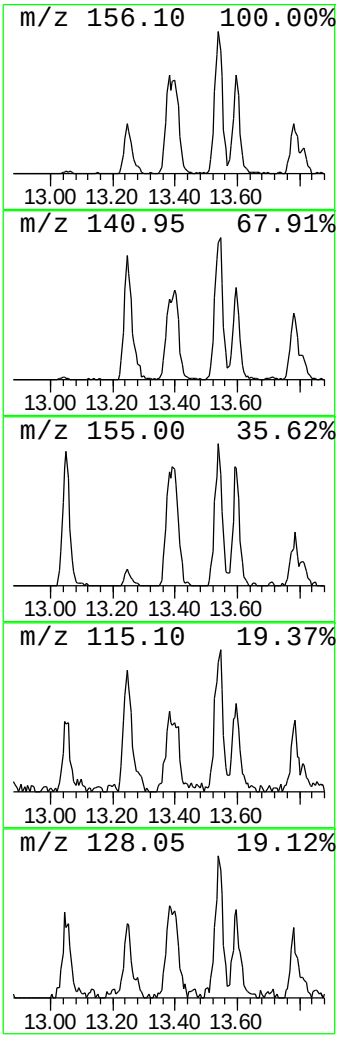
****

Peak Number 4 Naphthalene, 2,7-dimethyl- Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.38	2.48 ng/ul	265461	Acenaphthene-d10	14.22

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	95
2	Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	95
3	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	95
4	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	95
5	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	94





Data Path : Z:\HPCHEM1\BNA M\DATA\BM012918\
Data File : BM013958.D
Acq On : 29 Jan 2018 14:47
Operator : SJ/JU
Sample : J1243-10 20X
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F6B33

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

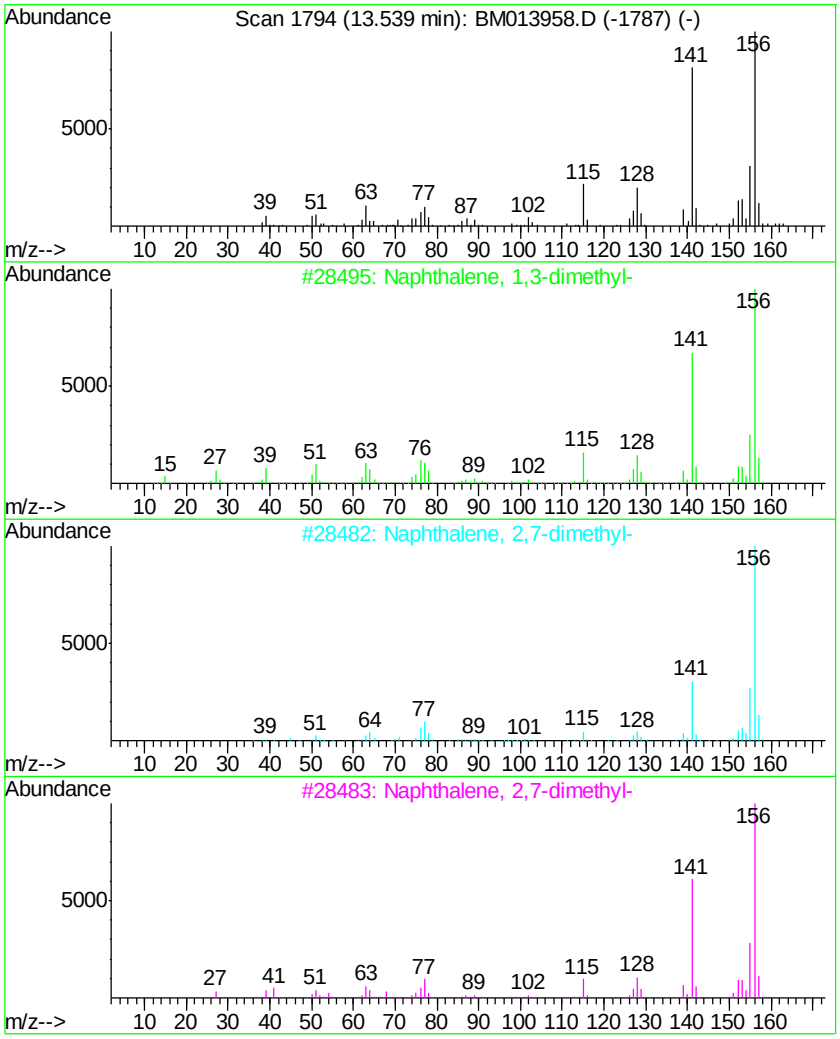
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

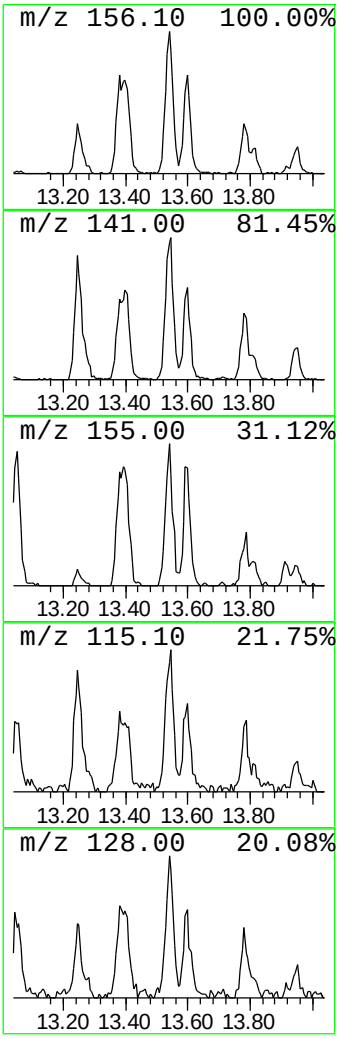
****

Peak Number 5 Naphthalene, 1,3-dimethyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.54	4.61 ng/ul	493197	Acenaphthene-d10	14.22

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	97
2	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	96
3	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	95
4	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	95
5	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	95





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA M\DATA\BM012918\
Data File : BM013958.D
Acq On : 29 Jan 2018 14:47
Operator : SJ/JU
Sample : J1243-10 20X
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F6B33

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

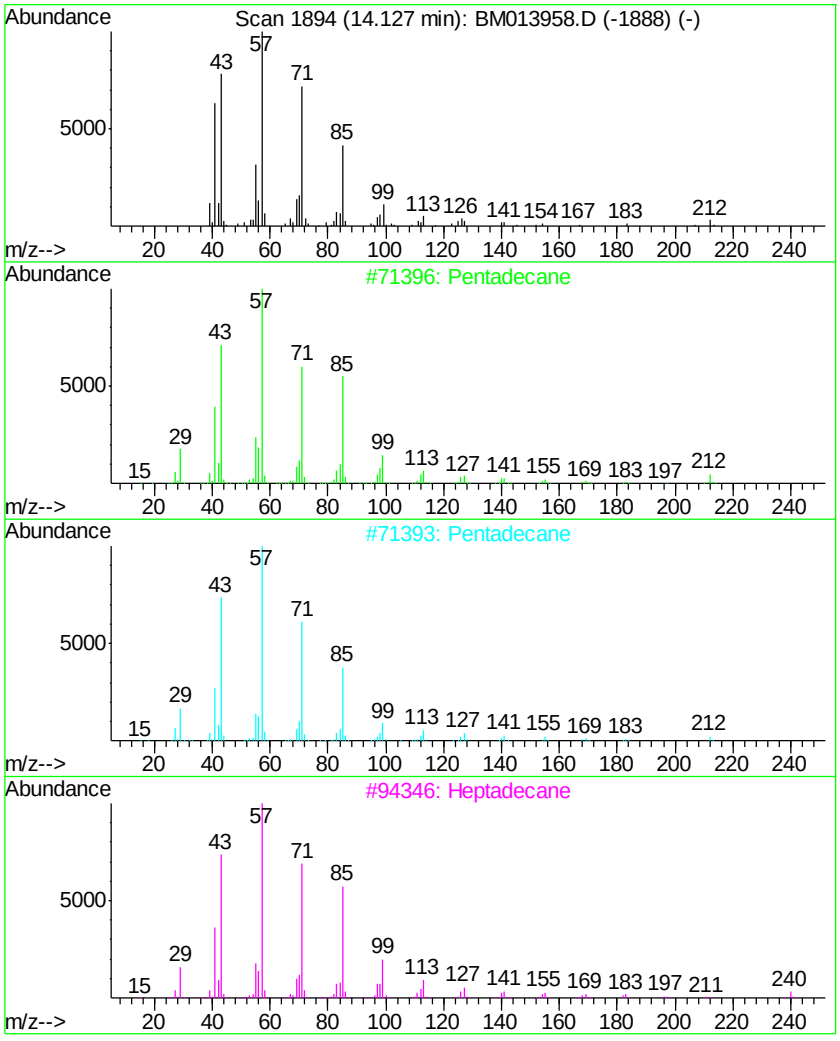
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

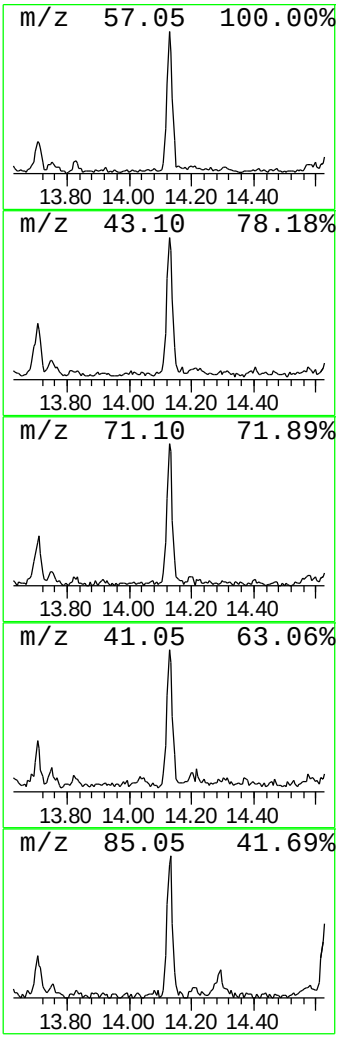
****

Peak Number 6 (DEL) Alkane: Straight-Chai... Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.13	2.92 ng/ul	312492	Acenaphthene-d10	14.22

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentadecane	212	C15H32	000629-62-9	94
2	Pentadecane	212	C15H32	000629-62-9	90
3	Heptadecane	240	C17H36	000629-78-7	90
4	Heptadecane	240	C17H36	000629-78-7	90
5	Tridecane	184	C13H28	000629-50-5	90





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Data File : BM013958.D
Acq On : 29 Jan 2018 14:47
Operator : SJ/JU
Sample : J1243-10 20X
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F6B33

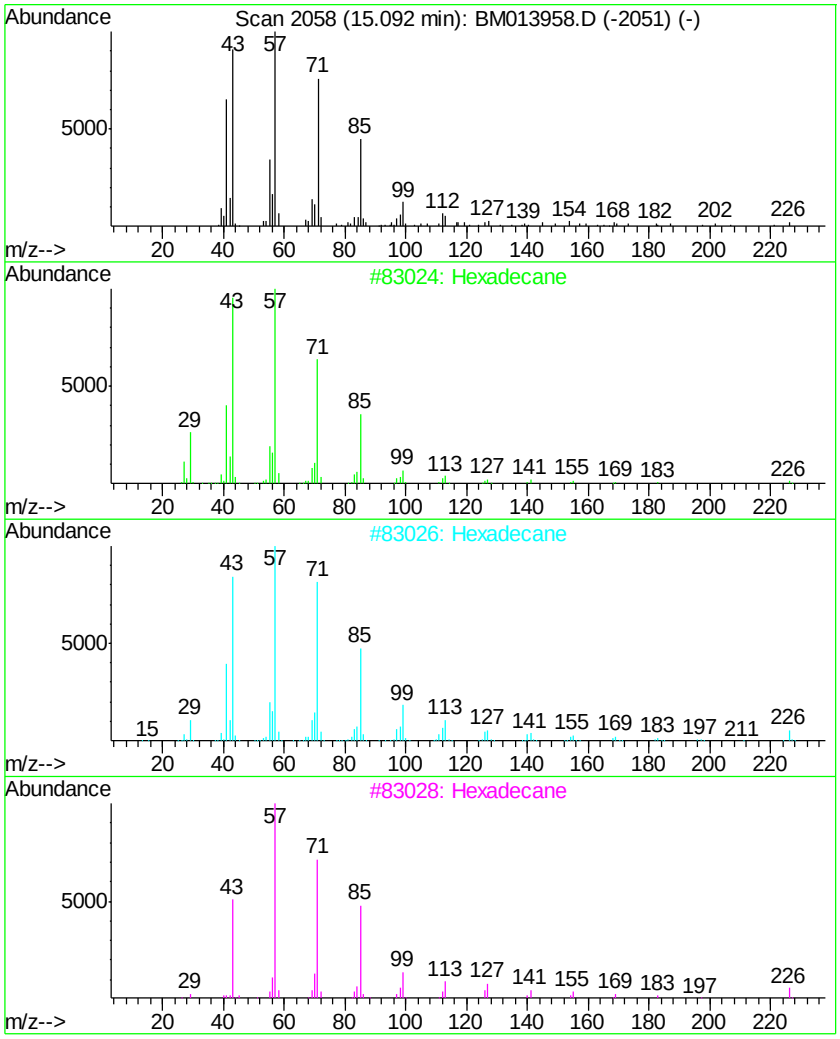
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM011018.M
Quant Title : SVOA CALIBRATION

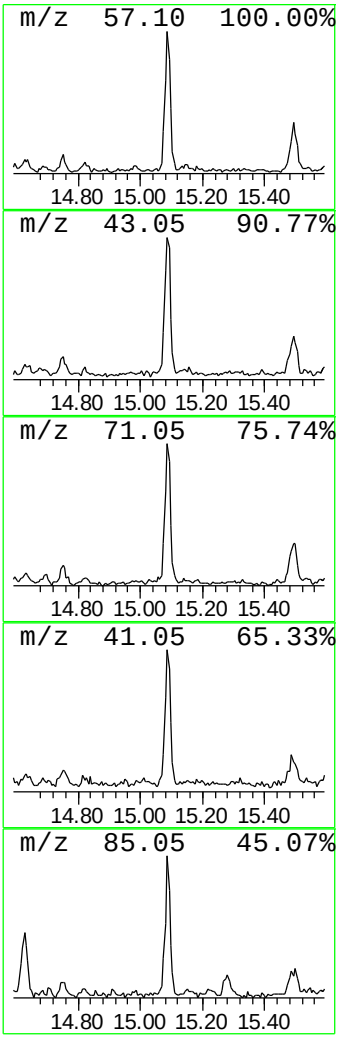
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 7 (DEL) Alkane: Straight-Chai... Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.09	3.35 ng/ul	357555	Acenaphthene-d10	14.22

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexadecane	226	C16H34	000544-76-3	92
2	Hexadecane	226	C16H34	000544-76-3	90
3	Hexadecane	226	C16H34	000544-76-3	90
4	Dodecane, 2-methyl-	184	C13H28	001560-97-0	90
5	Nonadecane	268	C19H40	000629-92-5	90





Library Search Compound Report

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Sample : J1243-10 20X
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F6B33

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

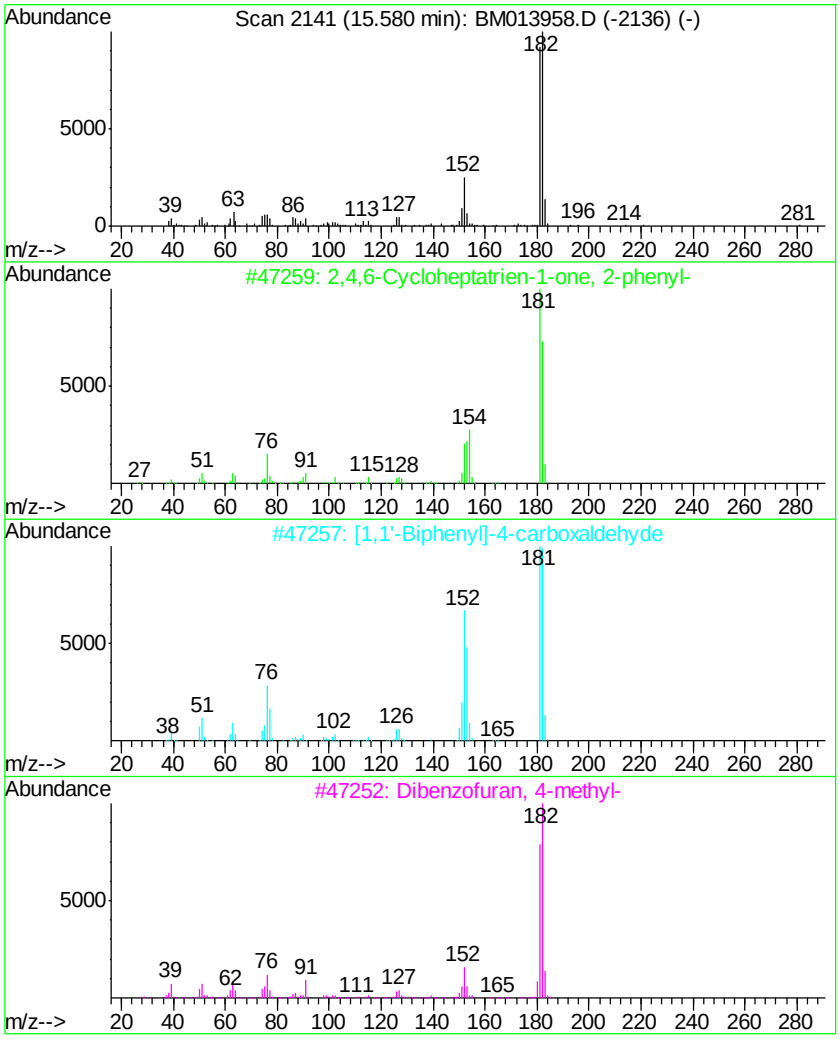
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

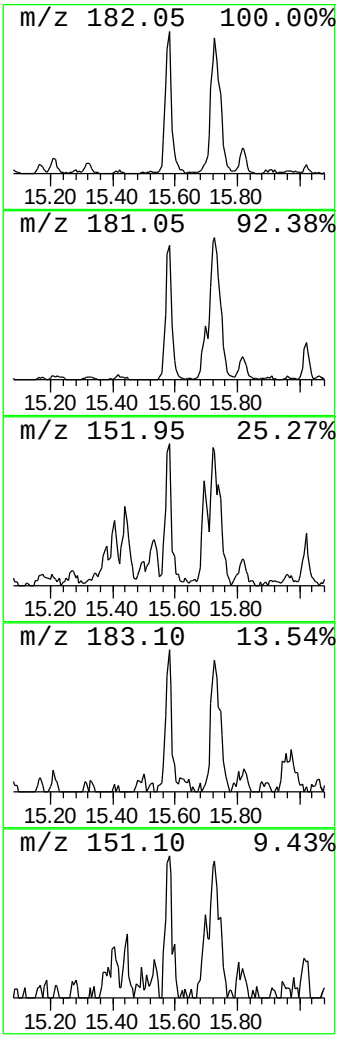
****

Peak Number 8 2,4,6-Cycloheptatrien-1-one... Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.58	3.73 ng/ul	398938	Acenaphthene-d10	14.22

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2,4,6-Cycloheptatrien-1-one, 2-p...	182	C13H10O	014562-09-5	91
2	[1,1'-Biphenyl]-4-carboxaldehyde	182	C13H10O	003218-36-8	87
3	Dibenzofuran, 4-methyl-	182	C13H10O	007320-53-8	87
4	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	86
5	[1,1'-Biphenyl]-4-carboxaldehyde	182	C13H10O	003218-36-8	80





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Acq On : 29 Jan 2018 14:47
Operator : SJ/JU
Sample : J1243-10 20X
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F6B33

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Quant Title : SVOA CALIBRATION

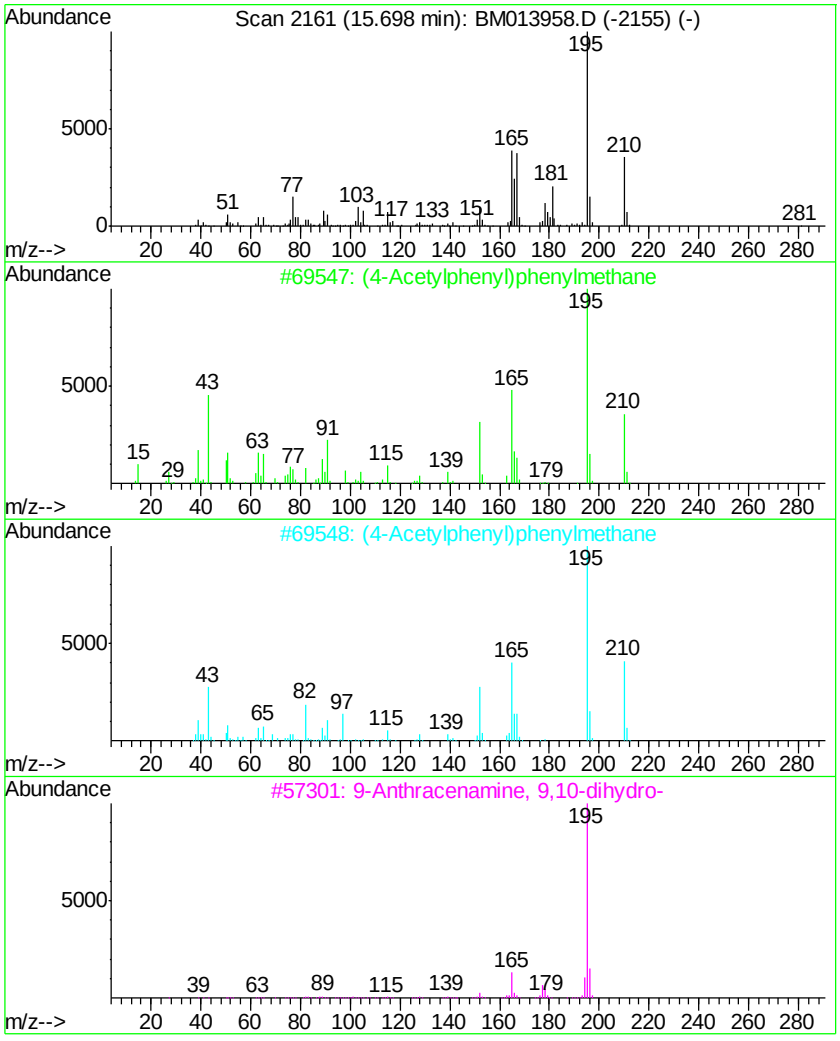
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

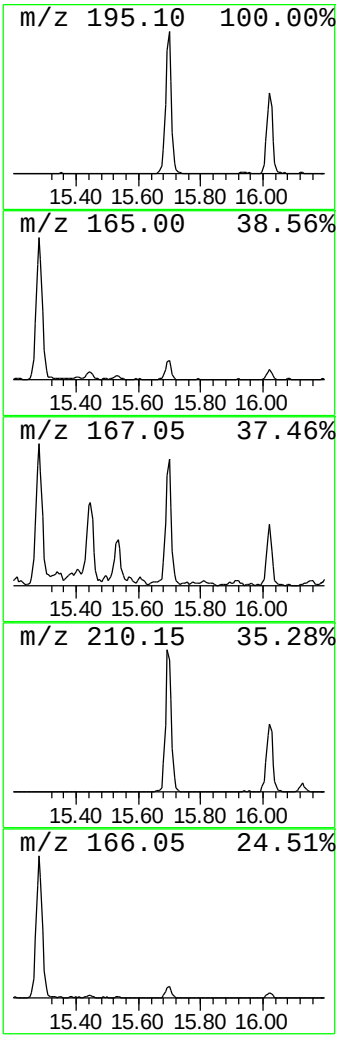
****

Peak Number 9 (4-Acetylphenyl)phenylmethane Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.70	11.18 ng/ul	832855	Phenanthrene-d10	16.98

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	(4-Acetylphenyl)phenylmethane	210	C15H14O	000782-92-3	70
2	(4-Acetylphenyl)phenylmethane	210	C15H14O	000782-92-3	62
3	9-Anthracenamine, 9,10-dihydro-	195	C14H13N	097825-91-7	52
4	2',3',4',5',6'-Pentafluoroacetop...	210	C8H3F5O	000652-29-9	46
5	2',3',4',5',6'-Pentafluoroacetop...	210	C8H3F5O	000652-29-9	46





Library Search Compound Report

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Data File : BM013958.D
Acq On : 29 Jan 2018 14:47
Operator : SJ/JU
Sample : J1243-10 20X
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F6B33

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

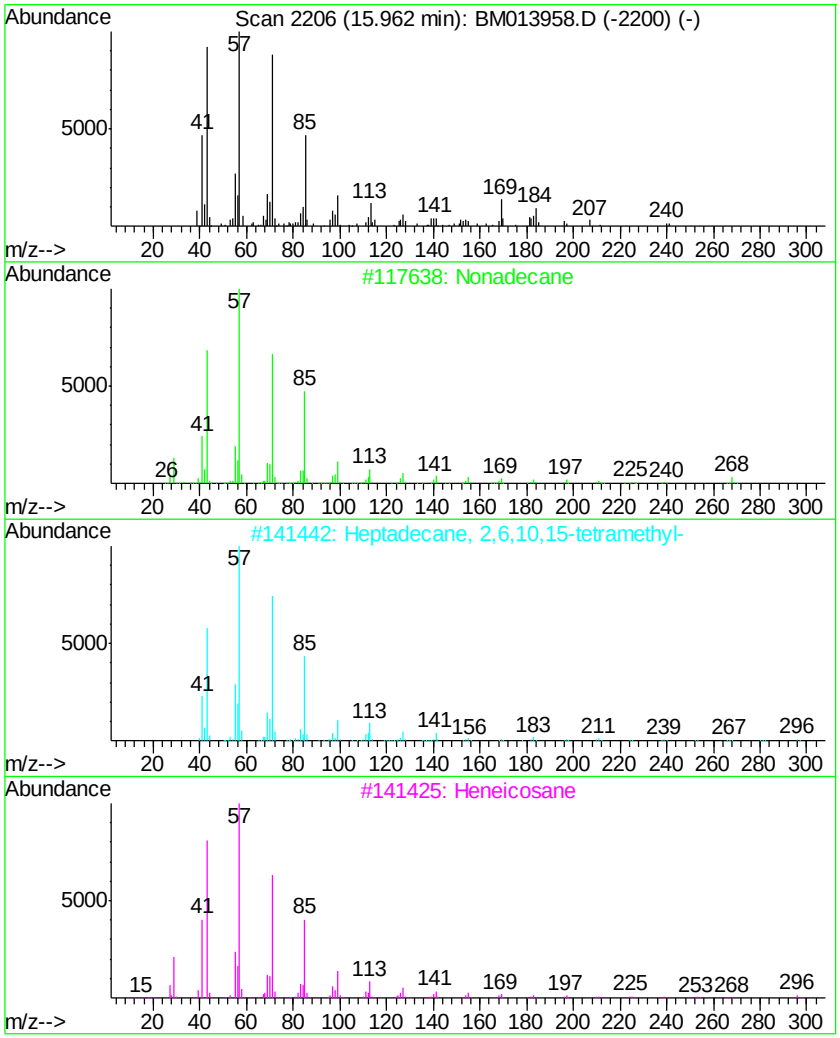
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

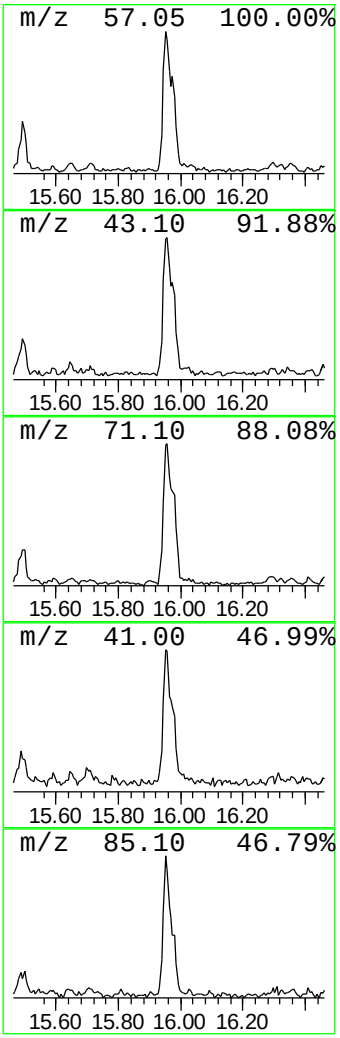
****

Peak Number 10 (DEL) Alkane: Straight-Chai... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.96	7.98 ng/ul	594273	Phenanthrene-d10	16.98

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Nonadecane	268	C19H40	000629-92-5	87
2	Heptadecane, 2,6,10,15-tetramethyl-	296	C21H44	054833-48-6	87
3	Heneicosane	296	C21H44	000629-94-7	87
4	Tetracosane	338	C24H50	000646-31-1	87
5	Pentadecane	212	C15H32	000629-62-9	86





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Data File : BM013958.D
Acq On : 29 Jan 2018 14:47
Operator : SJ/JU
Sample : J1243-10 20X
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F6B33

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

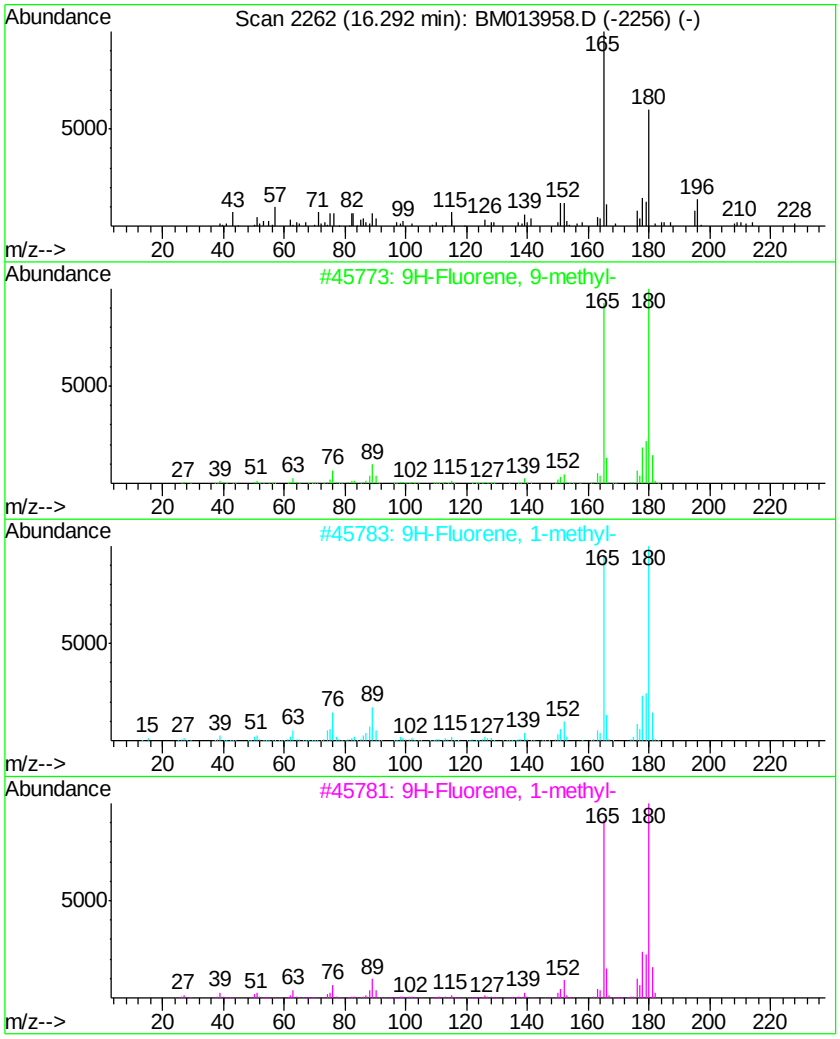
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

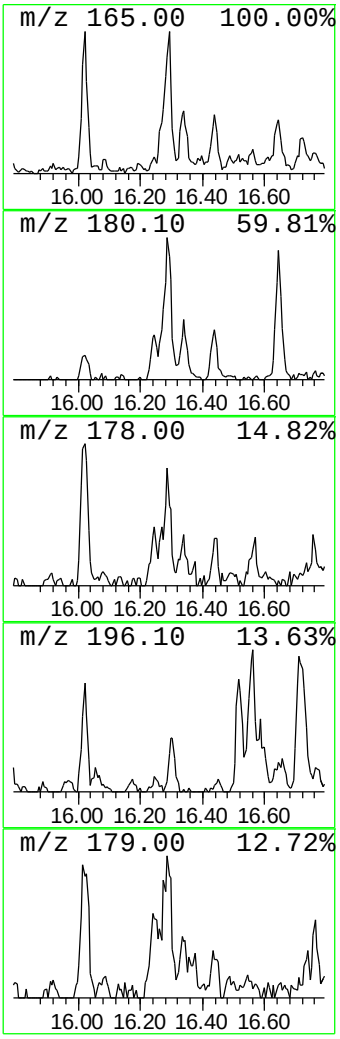
****

Peak Number 12 9H-Fluorene, 9-methyl- Concentration Rank 24

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.29	2.04 ng/ul	152077	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, 1-methyl-	180	C14H12	001730-37-6	81
3	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	81
4	4a,9a-Methano-9H-fluorene	180	C14H12	019540-84-2	74
5	9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	74





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Acq On : 29 Jan 2018 14:47
Operator : SJ/JU
Sample : J1243-10 20X
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F6B33

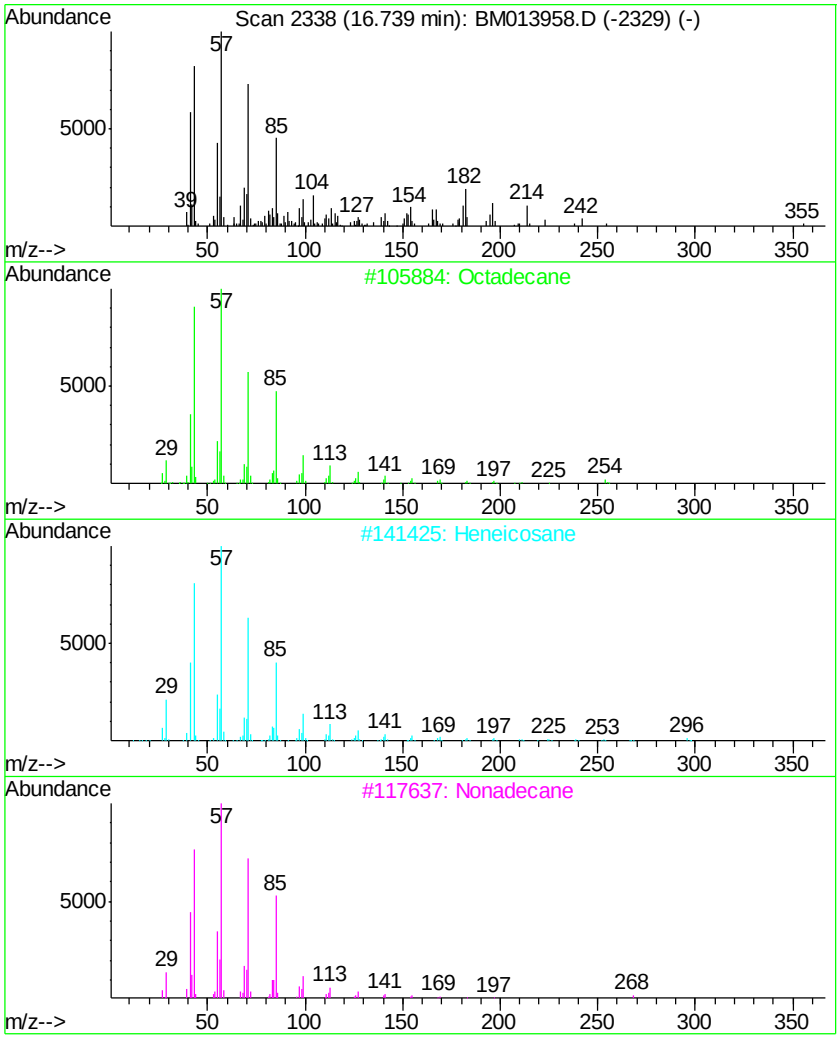
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM011018.M
Quant Title : SVOA CALIBRATION

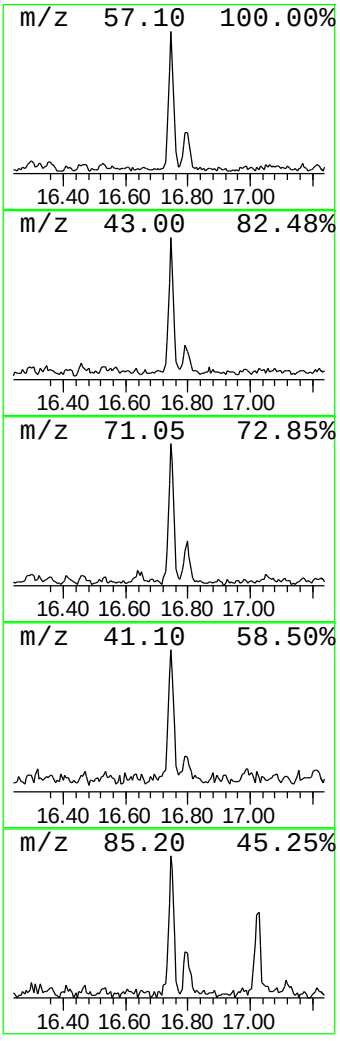
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 13 (DEL) Alkane: Straight-Chai... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.74	8.32 ng/ul	620192	Phenanthrene-d10	16.98

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octadecane	254	C18H38	000593-45-3	90
2	Heneicosane	296	C21H44	000629-94-7	90
3	Nonadecane	268	C19H40	000629-92-5	90
4	Nonadecane, 2-methyl-	282	C20H42	001560-86-7	90
5	Hexadecane, 7,9-dimethyl-	254	C18H38	021164-95-4	89





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Operator : SJ/JU
Sample : J1243-10 20X
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F6B33

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

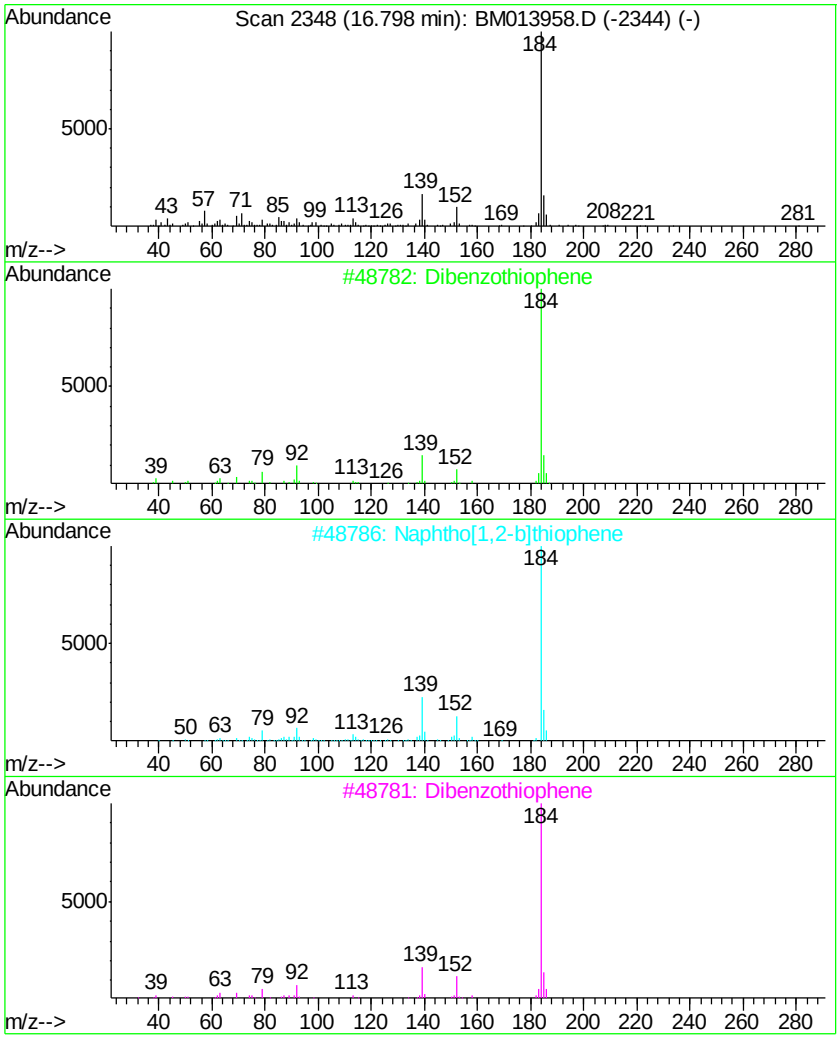
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

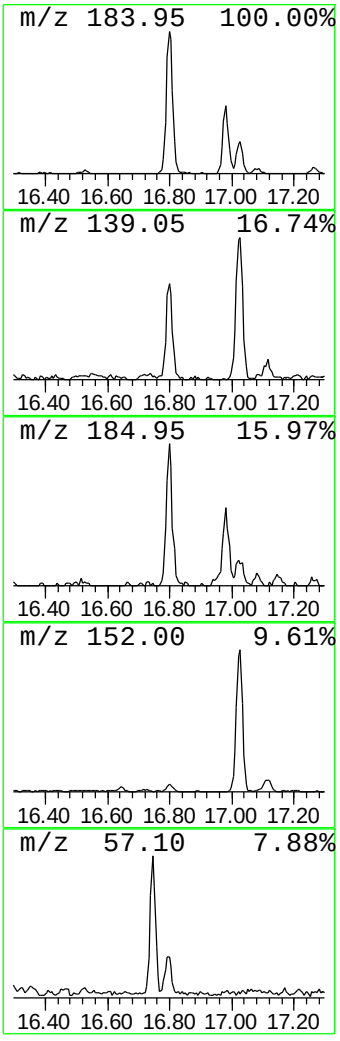
****

Peak Number 14 Dibenzothiophene Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.80	8.03 ng/ul	597963	Phenanthrene-d10	16.98

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





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Operator : SJ/JU
Sample : J1243-10 20X
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F6B33

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Quant Title : SVOA CALIBRATION

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

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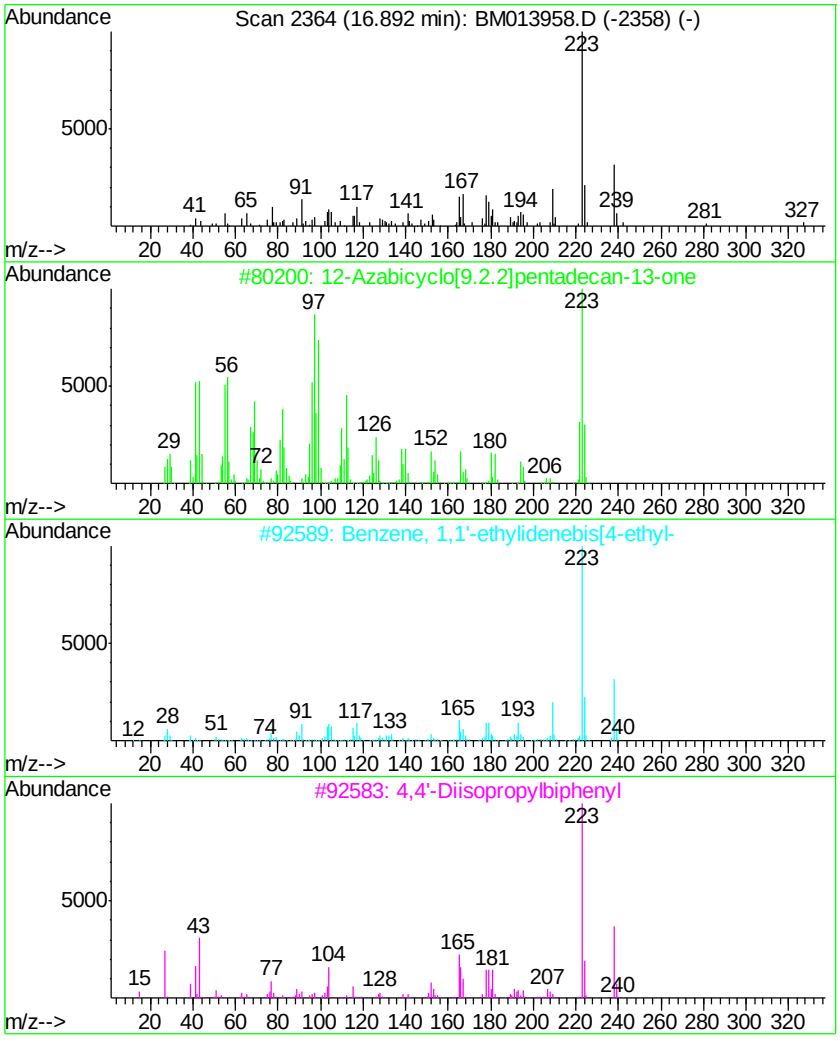
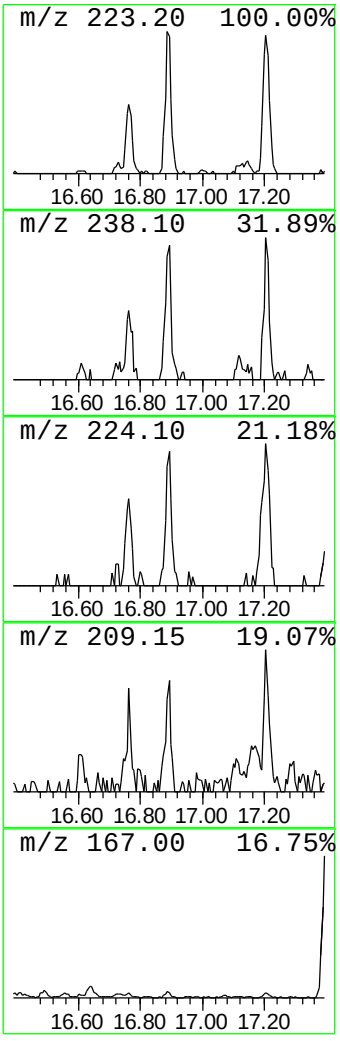
Peak Number 15 12-Azabicyclo[9.2.2]pentade... Concentration Rank 25

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.89	2.03 ng/ul	151366	Phenanthrene-d10	16.98

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	12-Azabicyclo[9.2.2]pentadecan-1...	223	C14H25NO	1000191-26-7	89
2	Benzene, 1,1'-ethylidenebis[4-et...	238	C18H22	010224-91-6	72
3	4,4'-Diisopropylbiphenyl	238	C18H22	018970-30-4	72
4	Benzene, 1,1'-(2,2-dichloroethyl...	306	C18H20Cl2	000072-56-0	68
5	1H-Benzimidazole, 2-(5-ethyl-2-p...	223	C14H13N3	067273-43-2	55





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Acq On : 29 Jan 2018 14:47
Operator : SJ/JU
Sample : J1243-10 20X
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F6B33

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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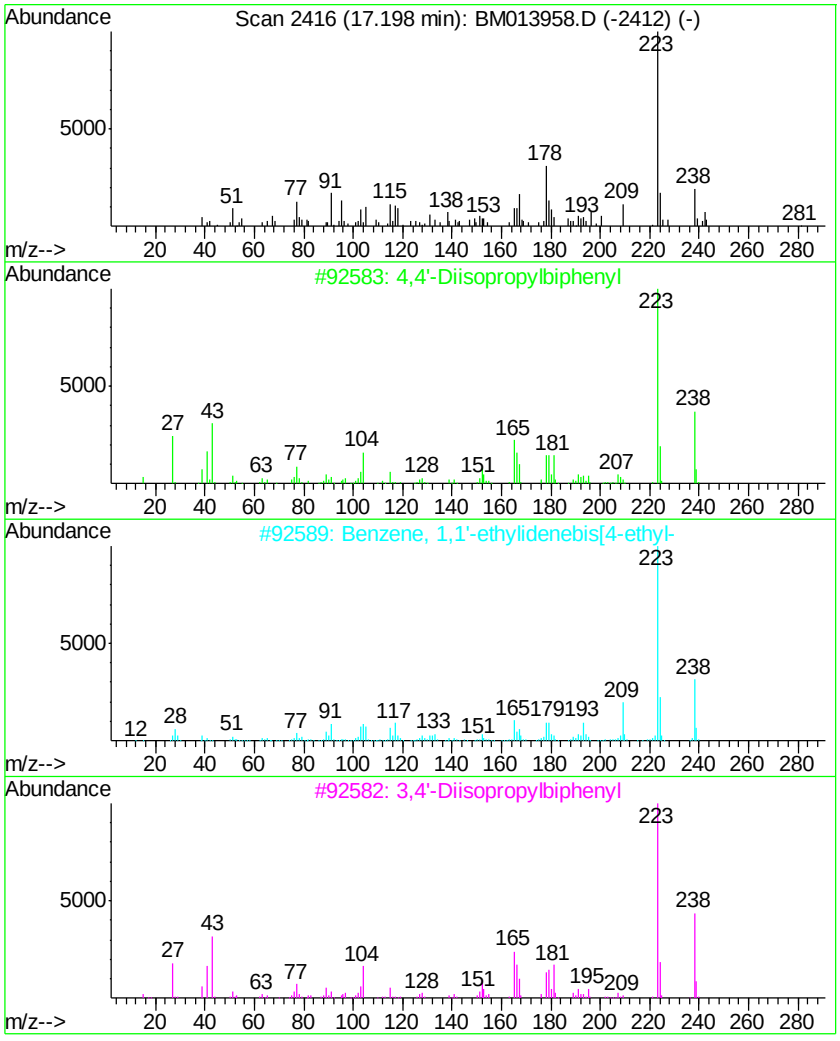
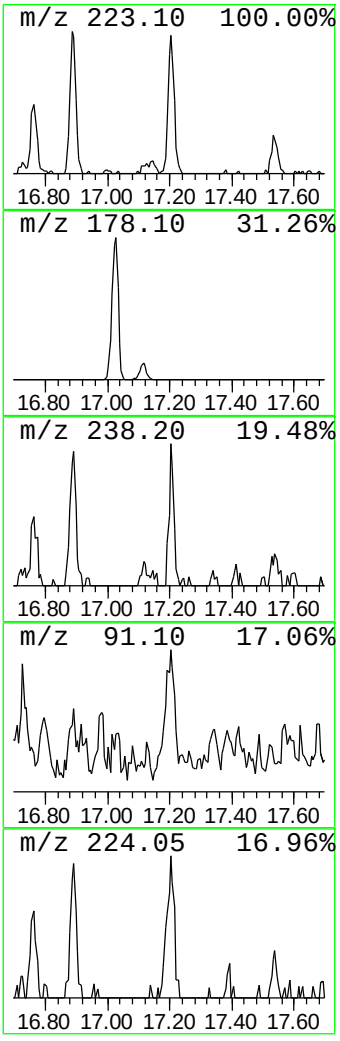
Peak Number 16 4,4'-Diisopropylbiphenyl Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.20	3.30 ng/ul	245553	Phenanthrene-d10	16.98

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4,4'-Diisopropylbiphenyl	238	C18H22	018970-30-4	89
2	Benzene, 1,1'-ethylidenebis[4-et...	238	C18H22	010224-91-6	80
3	3,4'-Diisopropylbiphenyl	238	C18H22	061434-46-6	70
4	Anthracene, 9,10-dimethoxy-	238	C16H14O2	002395-97-3	64
5	Benzene, 1,1'-ethylidenebis[3,4-...	238	C18H22	001742-14-9	62





Library Search Compound Report

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Operator : SJ/JU
Sample : J1243-10 20X
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F6B33

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Quant Title : SVOA CALIBRATION

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

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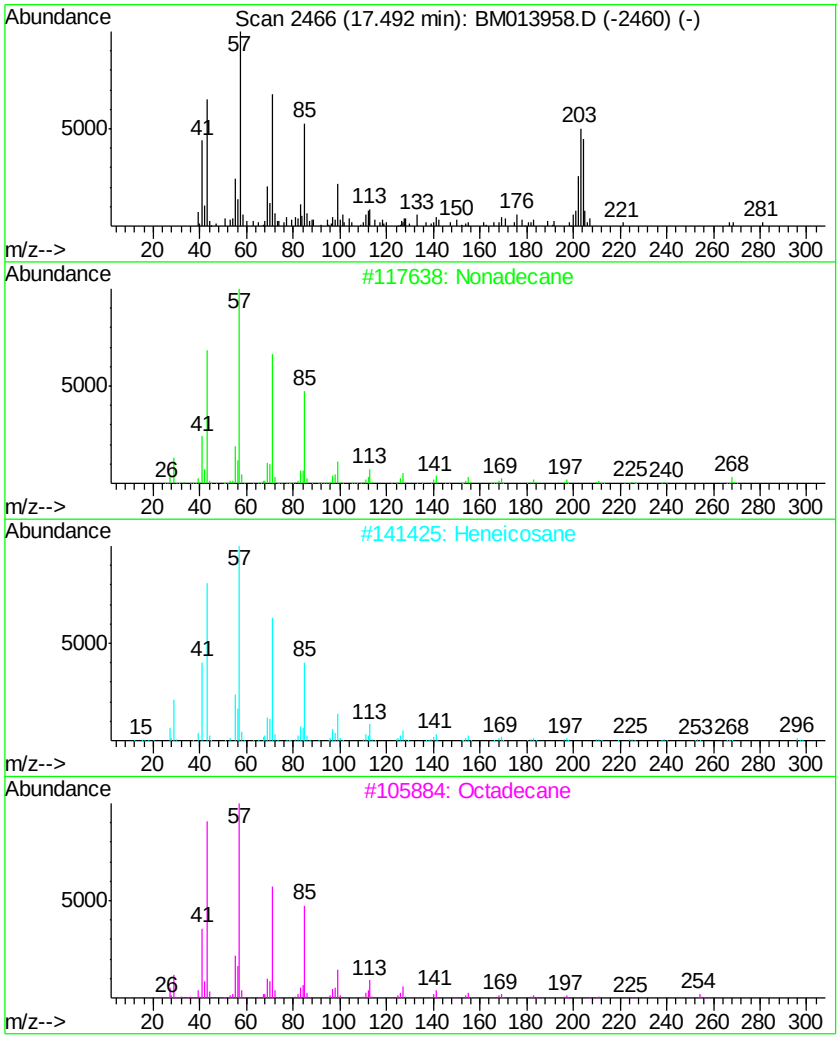
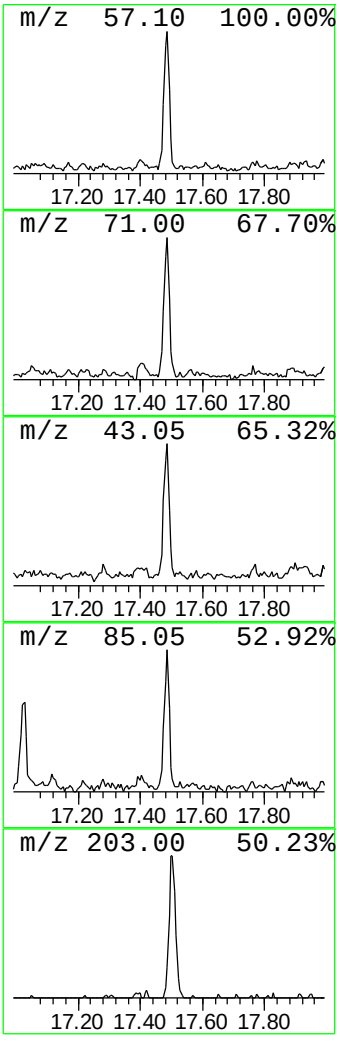
Peak Number 17 (DEL) Alkane: Straight-Chai... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.49	4.69 ng/ul	349795	Phenanthrene-d10	16.98

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Nonadecane	268	C19H40	000629-92-5	81
2	Heneicosane	296	C21H44	000629-94-7	76
3	Octadecane	254	C18H38	000593-45-3	68
4	Heneicosane	296	C21H44	000629-94-7	68
5	Tetracosane	338	C24H50	000646-31-1	68





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Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F6B33

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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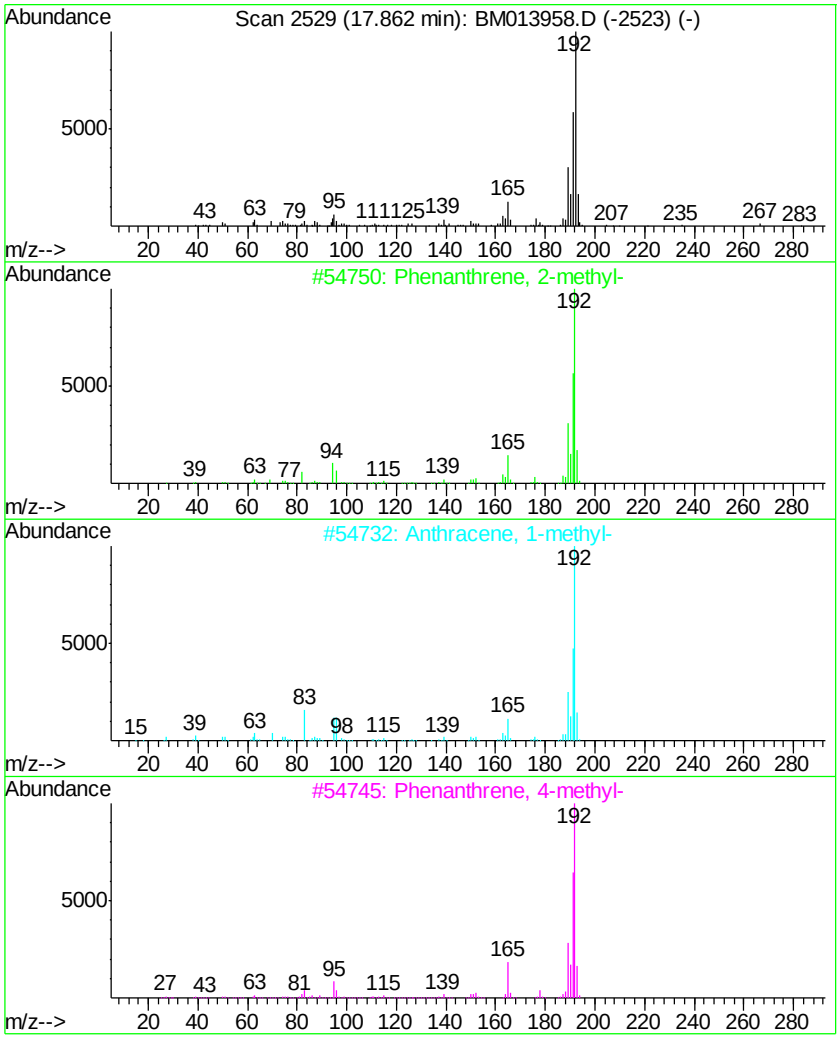
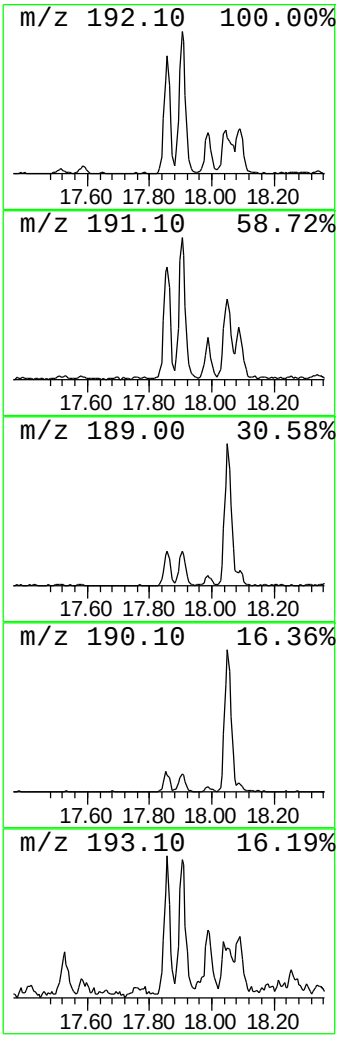
Peak Number 18 Phenanthrene, 2-methyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.86	5.77 ng/ul	430157	Phenanthrene-d10	16.98

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	95
2	Anthracene, 1-methyl-	192	C15H12	000610-48-0	94
3	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	94
4	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	93
5	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	93





Data Path : Z:\HPCHEM1\BNA M\DATA\BM012918\
Data File : BM013958.D
Acq On : 29 Jan 2018 14:47
Operator : SJ/JU
Sample : J1243-10 20X
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F6B33

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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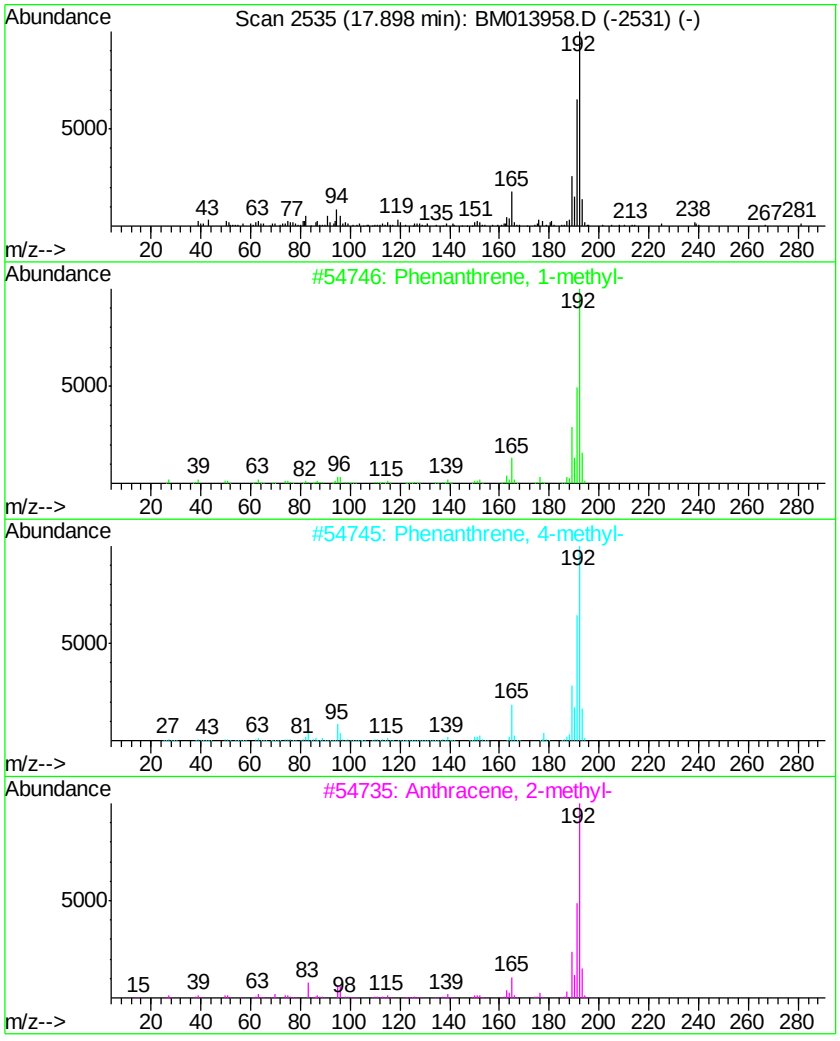
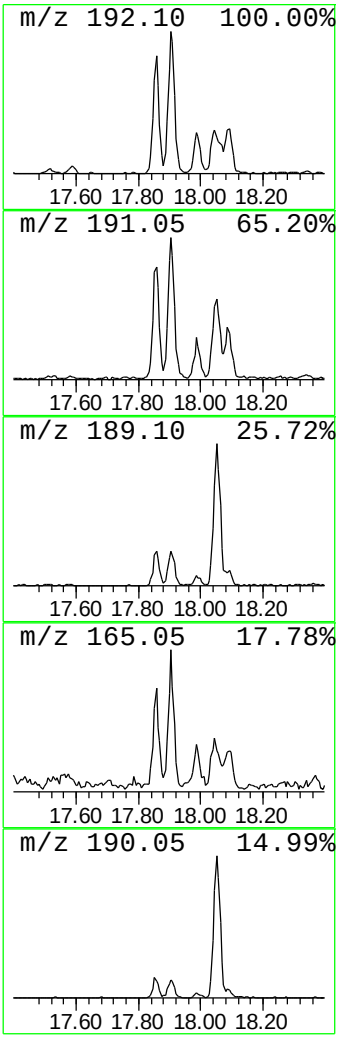
Peak Number 19 Phenanthrene, 1-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.90	8.80 ng/ul	655508	Phenanthrene-d10	16.98

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	95
2	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	93
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	93
4	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	93
5	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	93





Data Path : Z:\HPCHEM1\BNA M\DATA\BM012918\
Data File : BM013958.D
Acq On : 29 Jan 2018 14:47
Operator : SJ/JU
Sample : J1243-10 20X
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F6B33

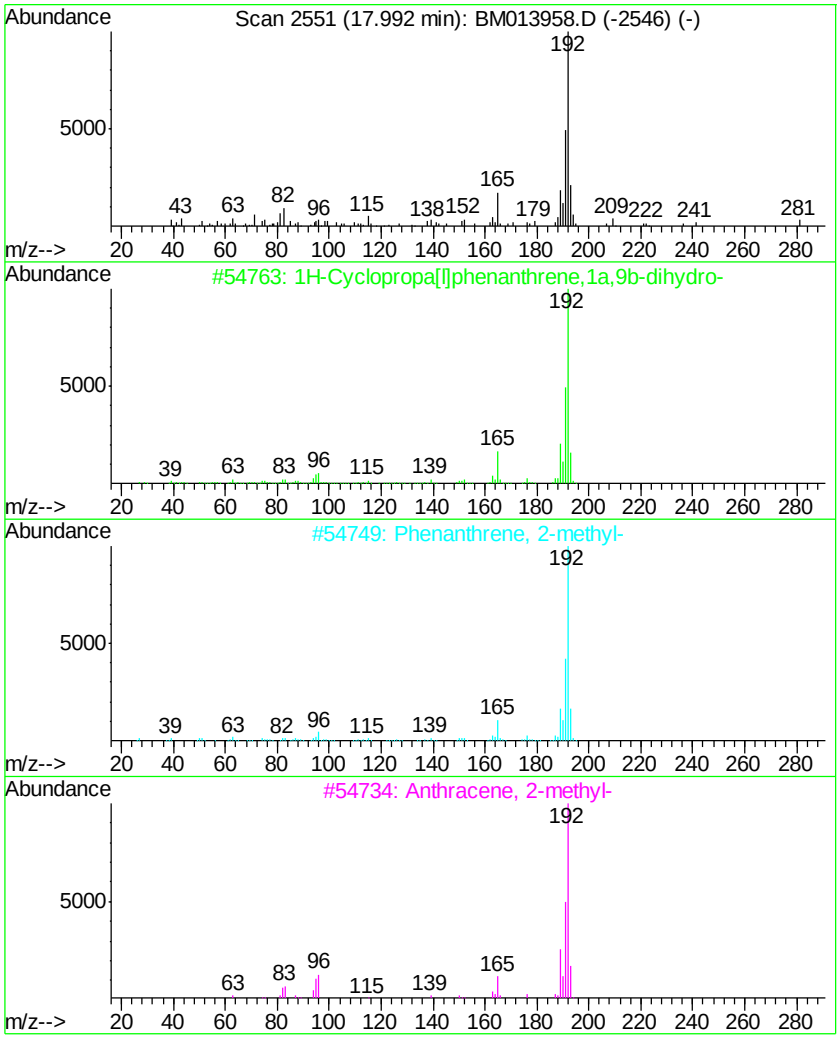
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM011018.M
Quant Title : SVOA CALIBRATION

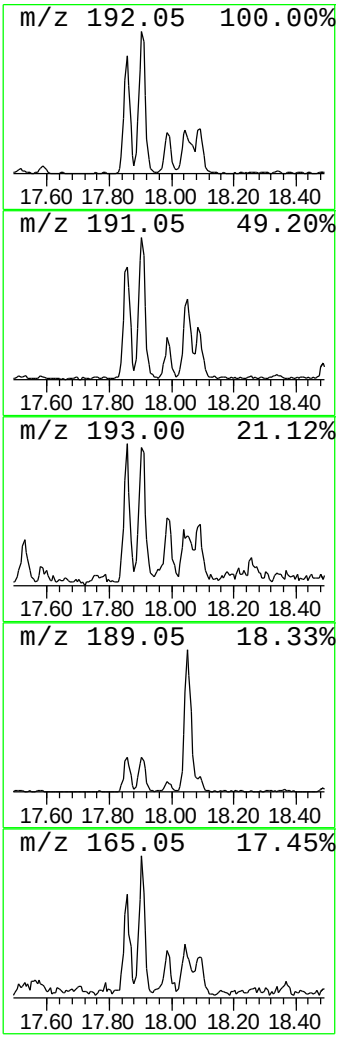
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 20 1H-Cyclopropa[l]phenanthren... Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.99	2.78 ng/ul	207069	Phenanthrene-d10	16.98

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	91
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	87
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	87
4	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	87
5	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	87





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Data File : BM013958.D
Acq On : 29 Jan 2018 14:47
Operator : SJ/JU
Sample : J1243-10 20X
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F6B33

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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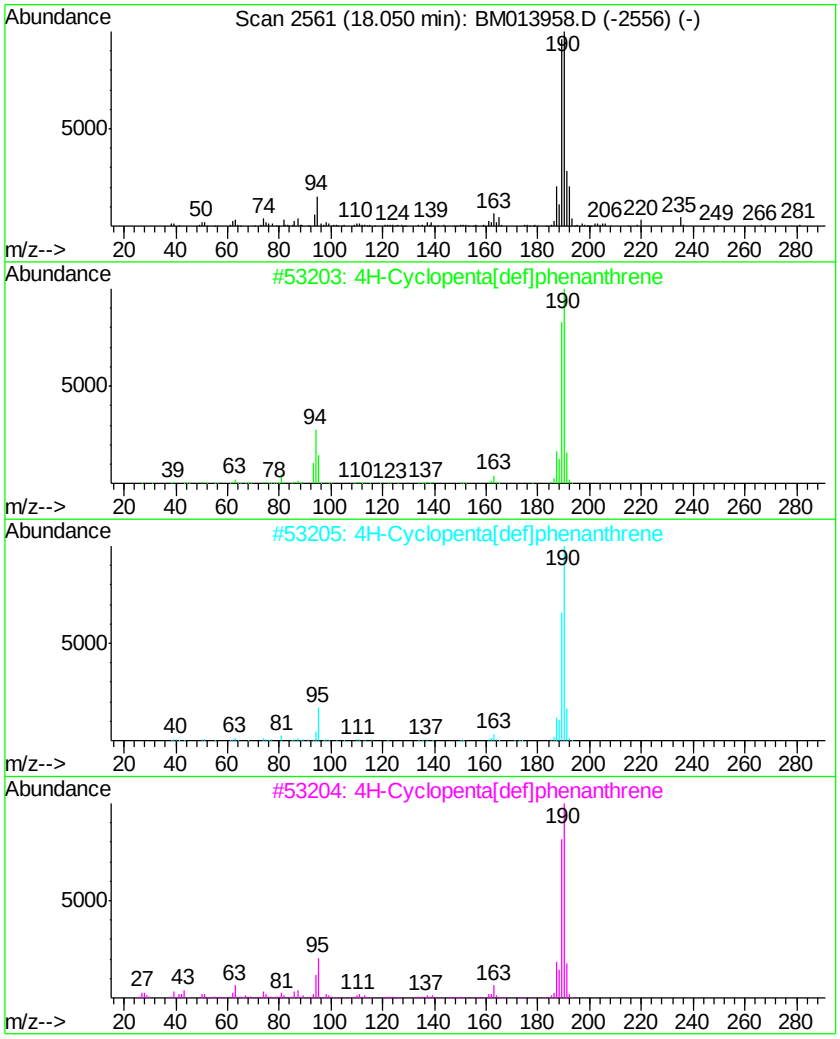
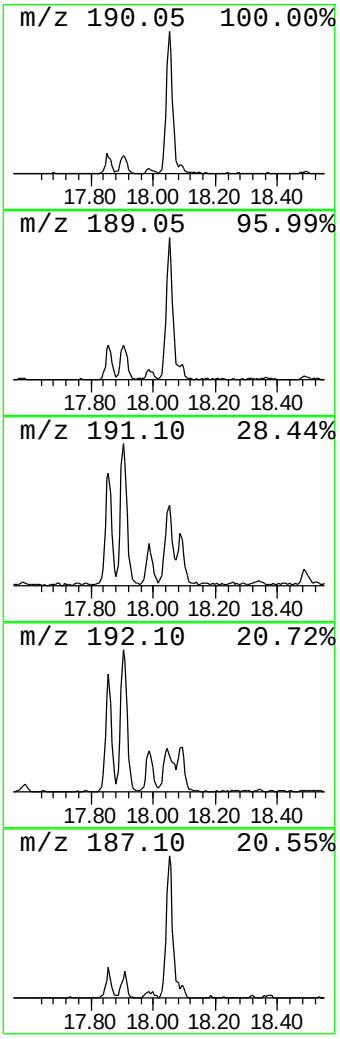
Peak Number 21 4H-Cyclopenta[def]phenanthrene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.05	10.94 ng/ul	815121	Phenanthrene-d10	16.98

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	68
2	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	64
3	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	62
4	2,3,5,6-Tetramethylterephthalald...	190	C12H14O2	007072-01-7	50
5	2,2'-Bis(4,5-dimethylimidazole)	190	C10H14N4	069286-06-2	40





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Data File : BM013958.D
Acq On : 29 Jan 2018 14:47
Operator : SJ/JU
Sample : J1243-10 20X
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F6B33

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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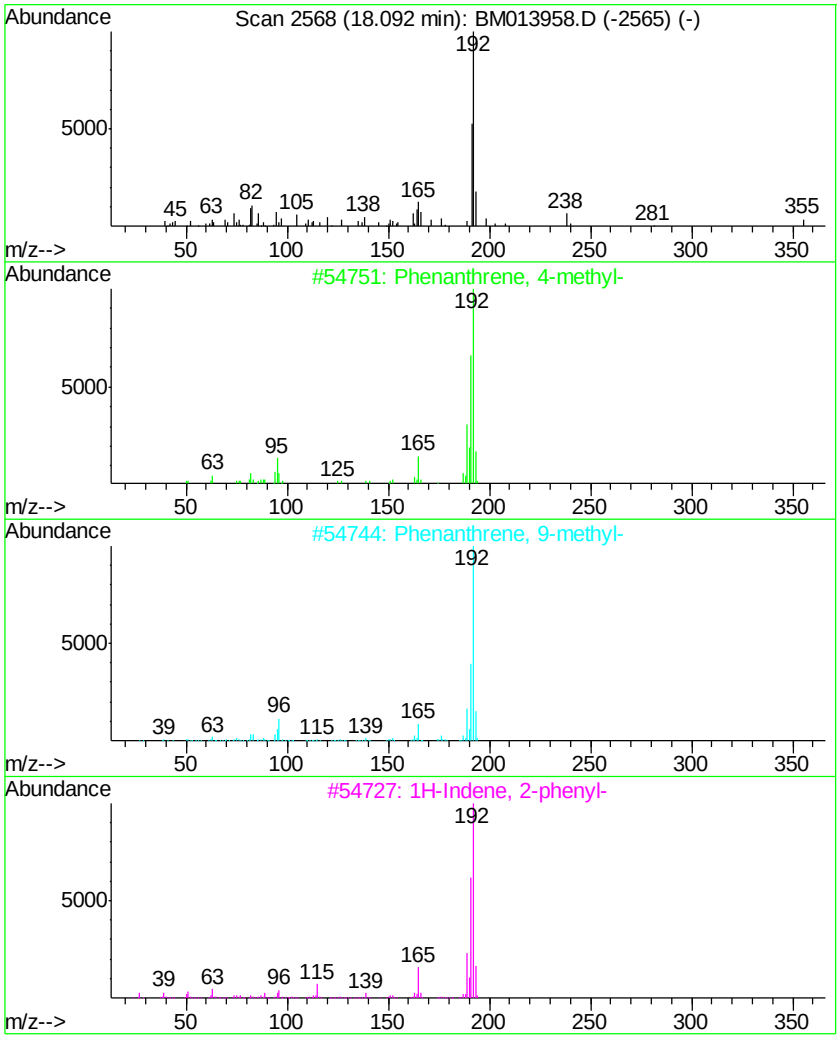
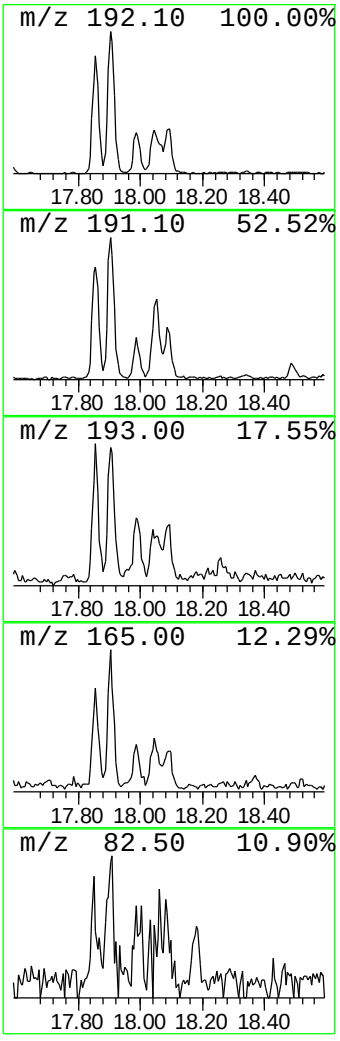
Peak Number 22 Phenanthrene, 4-methyl- Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.09	2.58 ng/ul	191908	Phenanthrene-d10	16.98

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	86
2	Phenanthrene, 9-methyl-	192	C15H12	000883-20-5	72
3	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	64
4	Anthracene, 1-methyl-	192	C15H12	000610-48-0	64
5	Naphtho[2,3-b]norbornadiene	192	C15H12	107426-38-0	64





Data Path : Z:\HPCHEM1\BNA M\DATA\BM012918\
Data File : BM013958.D
Acq On : 29 Jan 2018 14:47
Operator : SJ/JU
Sample : J1243-10 20X
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F6B33

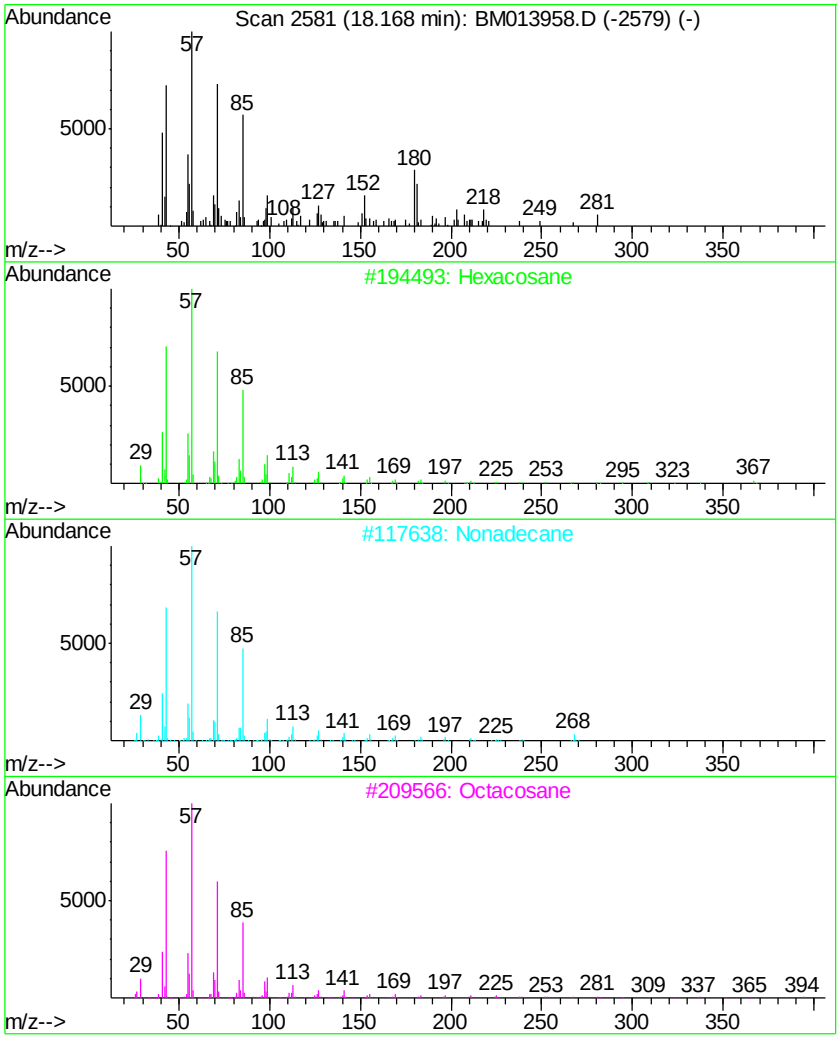
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM011018.M
Quant Title : SVOA CALIBRATION

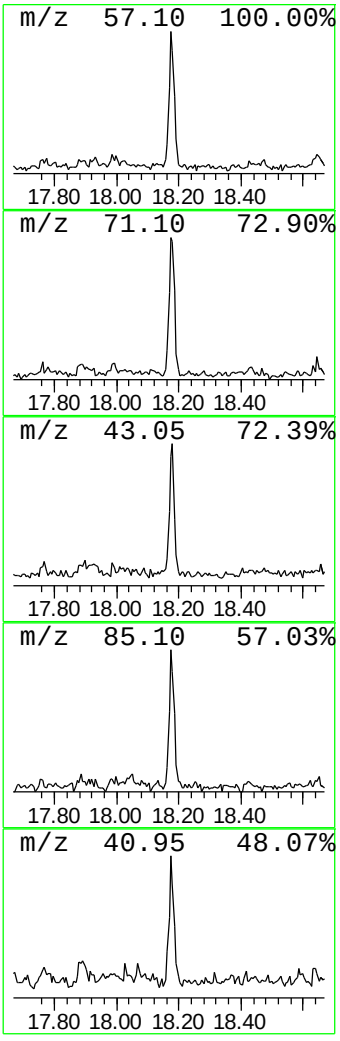
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 23 (DEL) Alkane: Straight-Chai... Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.17	2.76 ng/ul	205644	Phenanthrene-d10	16.98

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexacosane	366	C26H54	000630-01-3	81
2	Nonadecane	268	C19H40	000629-92-5	74
3	Octacosane	394	C28H58	000630-02-4	74
4	Octadecane	254	C18H38	000593-45-3	74
5	Eicosane	282	C20H42	000112-95-8	74





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA M\DATA\BM012918\
Data File : BM013958.D
Acq On : 29 Jan 2018 14:47
Operator : SJ/JU
Sample : J1243-10 20X
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F6B33

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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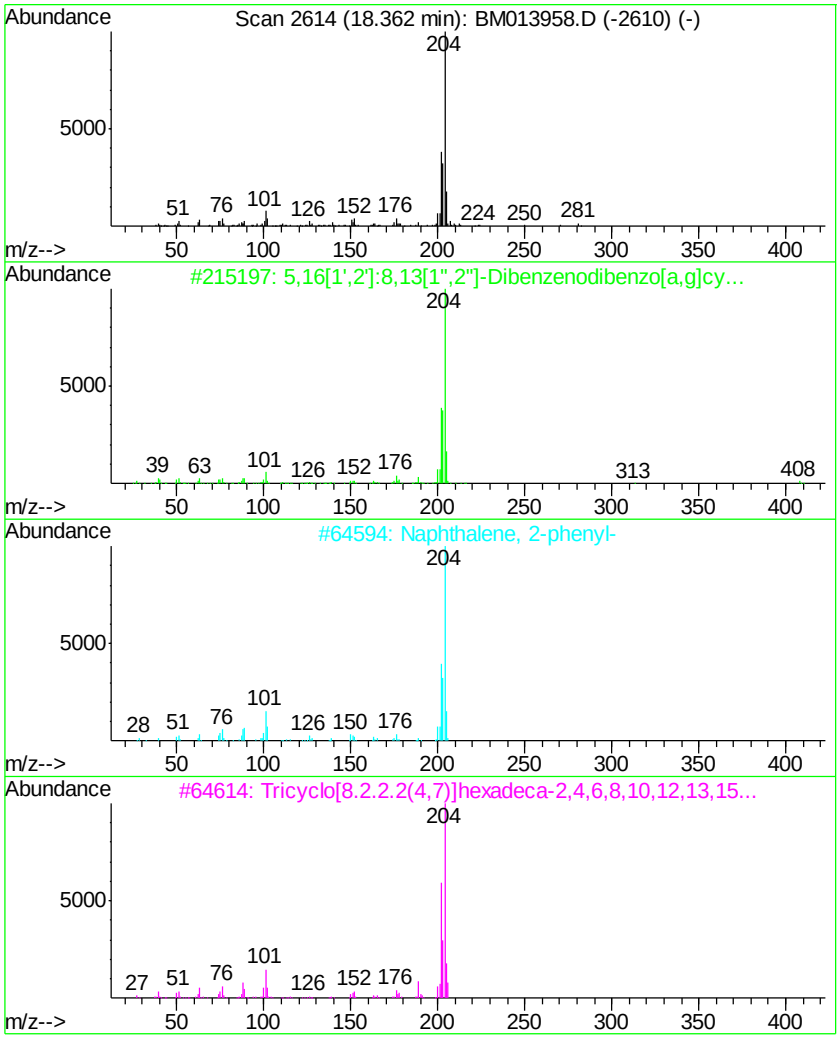
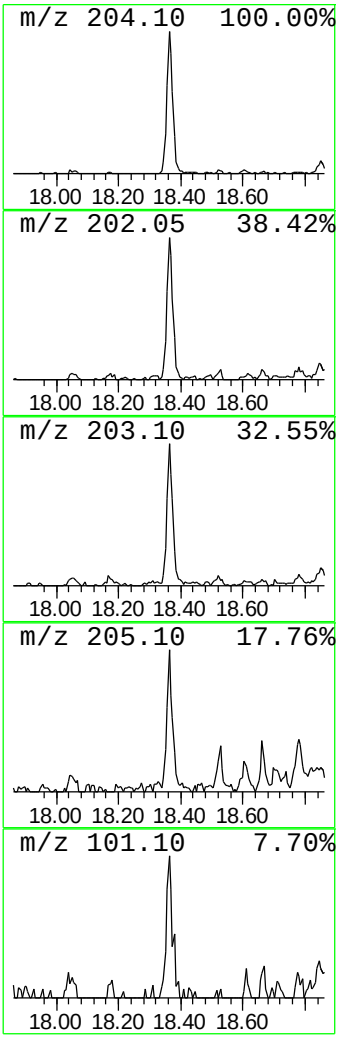
Peak Number 24 5,16[1',2']:8,13[1'',2'']-D... Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.36	4.54 ng/ul	338123	Phenanthrene-d10	16.98

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	91
2	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	86
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





Data Path : Z:\HPCHEM1\BNA M\DATA\BM012918\
Data File : BM013958.D
Acq On : 29 Jan 2018 14:47
Operator : SJ/JU
Sample : J1243-10 20X
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F6B33

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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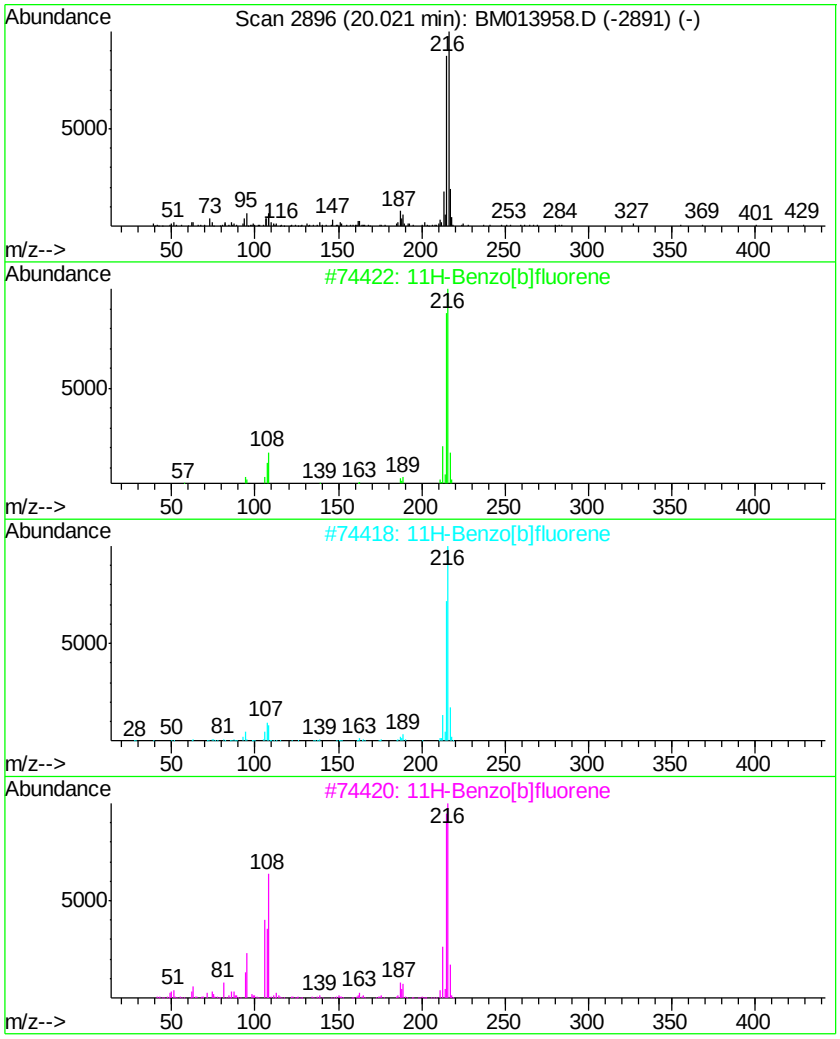
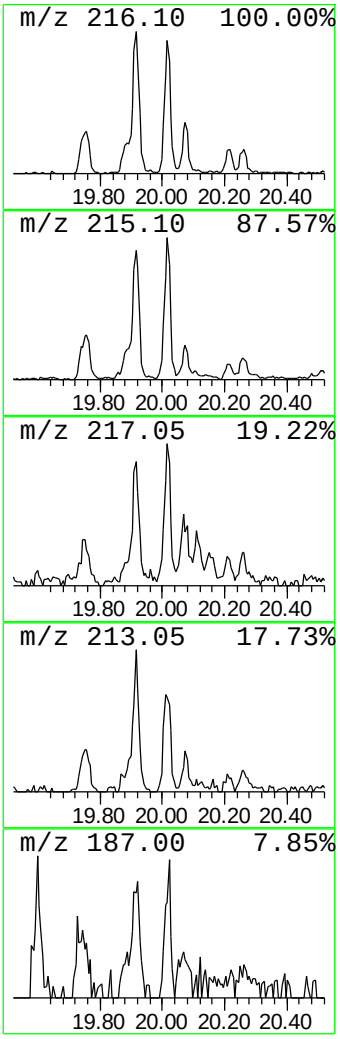
Peak Number 25 11H-Benzo[b]fluorene Concentration Rank 23

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.02	2.29 ng/ul	264298	Chrysene-d12	21.18

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	93
2	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	91
3	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	90
4	7H-Benzo[c]fluorene	216	C17H12	000205-12-9	90
5	Pyrene, 2-methyl-	216	C17H12	003442-78-2	83





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM012918\
Data File : BM013958.D
Acq On : 29 Jan 2018 14:47
Operator : SJ/JU
Sample : J1243-10 20X
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F6B33

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
(DEL) Alkane: Str...	11.77	2.8	ng/ul	133390	2	10.35	954503	20.0
Naphthalene, 1-me...	12.24	27.0	ng/ul	1288230	2	10.35	954503	20.0
Naphthalene, 2-et...	13.24	2.9	ng/ul	305579	3	14.22	2137380	20.0
Naphthalene, 2,7-...	13.38	2.5	ng/ul	265461	3	14.22	2137380	20.0
Naphthalene, 1,3-...	13.54	4.6	ng/ul	493197	3	14.22	2137380	20.0
(DEL) Alkane: Str...	14.13	2.9	ng/ul	312492	3	14.22	2137380	20.0
(DEL) Alkane: Str...	15.09	3.4	ng/ul	357555	3	14.22	2137380	20.0
2,4,6-Cycloheptat...	15.58	3.7	ng/ul	398938	3	14.22	2137380	20.0
(4-Acetylphenyl)p...	15.70	11.2	ng/ul	832855	4	16.98	1490170	20.0
(DEL) Alkane: Str...	15.96	8.0	ng/ul	594273	4	16.98	1490170	20.0
9H-Fluorene, 9-me...	16.29	2.0	ng/ul	152077	4	16.98	1490170	20.0
(DEL) Alkane: Str...	16.74	8.3	ng/ul	620192	4	16.98	1490170	20.0
Dibenzothiophene	16.80	8.0	ng/ul	597963	4	16.98	1490170	20.0
12-Azabicyclo[9.2...	16.89	2.0	ng/ul	151366	4	16.98	1490170	20.0
4,4'-Diisopropylb...	17.20	3.3	ng/ul	245553	4	16.98	1490170	20.0
(DEL) Alkane: Str...	17.49	4.7	ng/ul	349795	4	16.98	1490170	20.0
Phenanthrene, 2-m...	17.86	5.8	ng/ul	430157	4	16.98	1490170	20.0
Phenanthrene, 1-m...	17.90	8.8	ng/ul	655508	4	16.98	1490170	20.0
1H-Cyclopropa[l]p...	17.99	2.8	ng/ul	207069	4	16.98	1490170	20.0
4H-Cyclopenta[def...	18.05	10.9	ng/ul	815121	4	16.98	1490170	20.0
Phenanthrene, 4-m...	18.09	2.6	ng/ul	191908	4	16.98	1490170	20.0
(DEL) Alkane: Str...	18.17	2.8	ng/ul	205644	4	16.98	1490170	20.0
5,16[1',2']:8,13[...	18.36	4.5	ng/ul	338123	4	16.98	1490170	20.0
11H-Benzo[b]fluorene	20.02	2.3	ng/ul	264298	5	21.18	2303720	20.0