LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM090716\
Data File : BM007451.D
Acq On : 07 Sep 2016 22:30
Operator : UM/SJ
Sample : H4666-05
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BD3A3

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\SOM02.2-EPA-BM082316.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	5.822	543	550	559	rVB	268855	449584	2.89%	0.178%
2	6.963	735	744	751	rBV	836604	1724148	11.07%	0.682%
3	7.128	766	772	777	rBV	572619	895962	5.75%	0.354%
4	7.328	800	806	815	rVB	819270	1322696	8.49%	0.523%
5	7.792	875	885	899	rVB	1202674	2164435	13.90%	0.856%
6	8.328	963	976	987	rBV3	128127	342109	2.20%	0.135%
7	8.492	998	1004	1011	rVV	988853	1608072	10.33%	0.636%
8	8.945	1075	1081	1087	rVV	833122	1400454	8.99%	0.554%
9	9.663	1194	1203	1215	rBV	756242	1396026	8.96%	0.552%
10	10.198	1288	1294	1302	rVB	1135131	1992645	12.80%	0.788%
11	10.575	1348	1358	1363	rBV	1887058	3699320	23.75%	1.463%
12	10.628	1363	1367	1374	rVV	1238079	2025847	13.01%	0.801%
13	10.728	1374	1384	1393	rVV5	247153	638563	4.10%	0.253%
14	11.592	1527	1531	1539	rBV	310551	551527	3.54%	0.218%
15	11.992	1595	1599	1607	rBV	307873	461118	2.96%	0.182%
16	12.074	1609	1613	1619	rVB	209720	357084	2.29%	0.141%
17	12.239	1635	1641	1647	rBV	2016709	3293370	21.15%	1.303%
18	12.457	1672	1678	1687	rBV	1427445	2358113	15.14%	0.933%
19	12.951	1759	1762	1768	rVB2	238004	343089	2.20%	0.136%
20	13.251	1807	1813	1819	rVB2	855232	1475097	9.47%	0.583%
21	13.451	1842	1847	1850	rBV	339161	568900	3.65%	0.225%
22	13.586	1863	1870	1871	rBV	755086	1195131	7.67%	0.473%
23	13.745	1891	1897	1901	rVV	1341061	2418718	15.53%	0.957%
24	13.798	1901	1906	1908	rVV	1057964	1597335	10.26%	0.632%
25	13.833	1908	1912	1916	rVV	2420455	3586347	23.03%	1.419%
26	13.880	1916	1920	1928	rVV	1520580	2609686	16.76%	1.032%
27	13.980	1933	1937	1941	rVV	665899	1101972	7.08%	0.436%
28	14.116	1954	1960	1964	rBV	2458465	4043240	25.96%	1.599%
29	14.251	1979	1983	1989	rVB	268796	418724	2.69%	0.166%
30	14.321	1990	1995	2002	rBV	586600	842910	5.41%	0.333%
31	14.427	2002	2013	2018	rBV3	2950630	5699001	36.59%	2.254%
32	14.486	2018	2023	2031	rVV	1839631	3214266	20.64%	1.271%
33	14.633	2041	2048	2056	rBV2	796724	1789567	11.49%	0.708%
34	14.721	2056	2063	2068	rBV5	302619	633171	4.07%	0.250%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM090716\
Data File : BM007451.D
Acq On : 07 Sep 2016 22:30
Operator : UM/SJ
Sample : H4666-05
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BD3A3

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\SOM02.2-EPA-BM082316.M
Title : SVOA CALIBRATION

35	14.821	2075	2080	2087	rVB	2478155	3648888	23.43%	1.443%
36	14.898	2087	2093	2097	rVB	590507	844873	5.43%	0.334%
37	14.939	2097	2100	2109	rVB8	155217	347595	2.23%	0.137%
38	15.045	2113	2118	2122	rVV	497380	819691	5.26%	0.324%
39	15.092	2122	2126	2130	rVB	535641	732455	4.70%	0.290%
40	15.210	2140	2146	2150	rBV3	613338	1100059	7.06%	0.435%
41	15.274	2153	2157	2161	rVB	654106	889700	5.71%	0.352%
42	15.415	2174	2181	2186	rVV	3012084	4534713	29.12%	1.794%
43	15.468	2186	2190	2194	rBV2	1317164	1984420	12.74%	0.785%
44	15.545	2199	2203	2208	rVB	836839	1111687	7.14%	0.440%
45	15.680	2222	2226	2234	rVV4	485310	900424	5.78%	0.356%
46	15.762	2236	2240	2247	rVB	862631	1484287	9.53%	0.587%
47	15.915	2258	2266	2273	rVB3	878578	2099412	13.48%	0.830%
48	15.998	2274	2280	2288	rVB2	337085	843054	5.41%	0.333%
49	16.133	2298	2303	2304	rBV2	1256539	1508467	9.69%	0.597%
50	16.474	2359	2361	2366	rVB4	330241	450694	2.89%	0.178%
51	16.527	2366	2370	2375	rVB3	249420	373859	2.40%	0.148%
52	16.704	2396	2400	2404	rBV2	499438	863899	5.55%	0.342%
53	16.745	2404	2407	2410	rVB2	375827	482271	3.10%	0.191%
54	16.827	2416	2421	2427	rBV2	1490269	2291806	14.72%	0.907%
55	16.927	2429	2438	2444	rVV2	2140839	4398526	28.24%	1.740%
56	16.986	2444	2448	2457	rVB2	930118	1828779	11.74%	0.723%
57	17.168	2474	2479	2483	rBV2	3761481	6094575	39.13%	2.411%
58	17.215	2483	2487	2492	rVV	7419250	10860328	69.74%	4.296%
59	17.268	2492	2496	2499	rVV2	3493945	5182830	33.28%	2.050%
60	17.304	2499	2502	2506	rVV	2099628	2689349	17.27%	1.064%
61	17.351	2506	2510	2516	rVV3	490216	849399	5.45%	0.336%
62	17.480	2529	2532	2537	rVB2	633450	934495	6.00%	0.370%
63	17.574	2544	2548	2551	rBV	590834	781049	5.02%	0.309%
64	17.656	2559	2562	2566	rBV	832718	950074	6.10%	0.376%
65	17.751	2574	2578	2586	rVB3	720874	1186481	7.62%	0.469%
66	18.009	2617	2622	2624	rBV	1277172	1726657	11.09%	0.683%
67	18.045	2624	2628	2630	rVV	1579455	2526914	16.23%	1.000%
68	18.086	2630	2635	2642	rVV2	2705338	6387432	41.02%	2.527%
69	18.168	2646	2649	2653	rVV	797216	1172587	7.53%	0.464%
70	18.233	2656	2660	2665	rVV2	1567846	3213350	20.63%	1.271%
71	18.274	2665	2667	2673	rVB	1025854	1236331	7.94%	0.489%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM090716\
Data File : BM007451.D
Acq On : 07 Sep 2016 22:30
Operator : UM/SJ
Sample : H4666-05
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BD3A3

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\SOM02.2-EPA-BM082316.M
Title : SVOA CALIBRATION

72	18.351	2676	2680	2684	rBV4	1299771	1781525	11.44%	0.705%
73	18.398	2685	2688	2690	rVV4	320970	413057	2.65%	0.163%
74	18.433	2691	2694	2699	rVB3	553062	828250	5.32%	0.328%
75	18.545	2709	2713	2717	rVV	1501040	1990137	12.78%	0.787%
76	18.592	2717	2721	2728	rVB2	1460447	2223638	14.28%	0.880%
77	18.792	2752	2755	2759	rVV3	514429	624674	4.01%	0.247%
78	18.839	2760	2763	2767	rVV	722366	962786	6.18%	0.381%
79	18.880	2767	2770	2774	rVB	849781	1024410	6.58%	0.405%
80	18.968	2780	2785	2786	rBV	1456217	2238062	14.37%	0.885%
81	19.056	2797	2800	2804	rVB	706111	773193	4.96%	0.306%
82	19.109	2804	2809	2815	rBV2	1646055	2705148	17.37%	1.070%
83	19.233	2824	2830	2836	rVB	10531647	15573226	100.00%	6.160%
84	19.292	2836	2840	2843	rBV	989359	1339926	8.60%	0.530%
85	19.327	2843	2846	2852	rVV3	513070	914160	5.87%	0.362%
86	19.562	2881	2886	2889	rBV2	5982146	9701251	62.29%	3.837%
87	19.598	2889	2892	2899	rVV	7397350	10460333	67.17%	4.138%
88	19.662	2899	2903	2909	rVB2	1469050	2309732	14.83%	0.914%
89	19.909	2941	2945	2955	rBV5	1470454	4054618	26.04%	1.604%
90	20.050	2965	2969	2981	rVB4	1413328	5151125	33.08%	2.038%
91	20.386	3023	3026	3030	rBV	1428008	1933048	12.41%	0.765%
92	20.592	3059	3061	3065	rVB3	939447	1011384	6.49%	0.400%
93	20.833	3099	3102	3108	rBV	2481205	3418187	21.95%	1.352%
94	20.997	3128	3130	3134	rVB	1709499	1961197	12.59%	0.776%
95	21.056	3134	3140	3142	rBV3	1671416	3046619	19.56%	1.205%
96	21.356	3184	3191	3195	rBV3	5632698	15348093	98.55%	6.071%
97	22.950	3457	3462	3467	rBV	5339682	11067775	71.07%	4.378%
98	23.438	3539	3545	3549	rBV	2980673	5621634	36.10%	2.224%
99	23.486	3549	3553	3557	rVB2	1915708	3080351	19.78%	1.218%
100	23.633	3573	3578	3583	rVB	2139827	3700848	23.76%	1.464%

Sum of corrected areas: 252808024

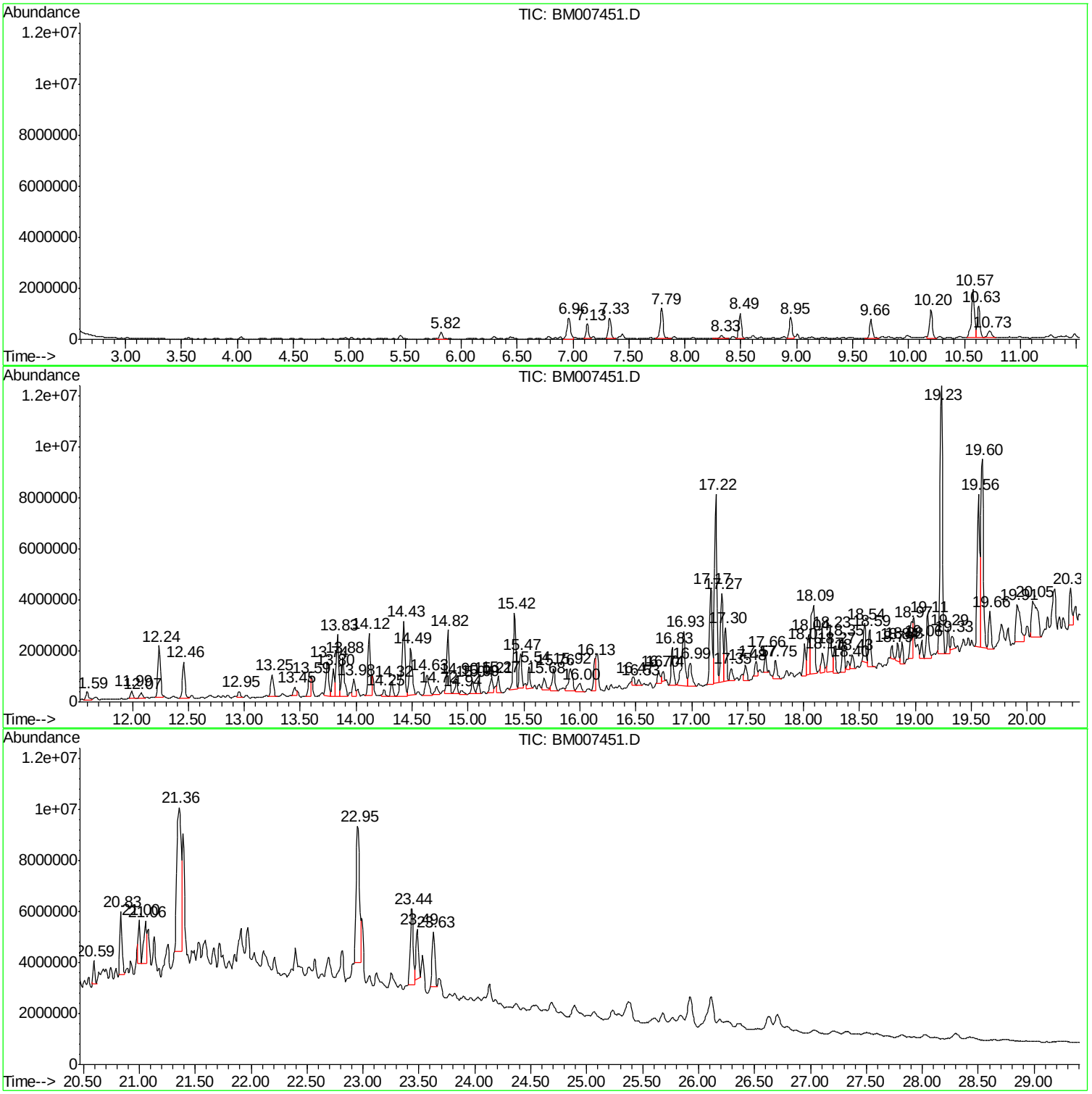
LSC Report - Integrated Chromatogram

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM090716\
Data File : BM007451.D
Acq On : 07 Sep 2016 22:30
Operator : UM/SJ
Sample : H4666-05
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
BD3A3

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM082316.M
Quant Title : SVOA CALIBRATION

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



Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM090716\
Data File : BM007451.D
Acq On : 07 Sep 2016 22:30
Operator : UM/SJ
Sample : H4666-05
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BD3A3

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM082316.M
Quant Title : SVOA CALIBRATION

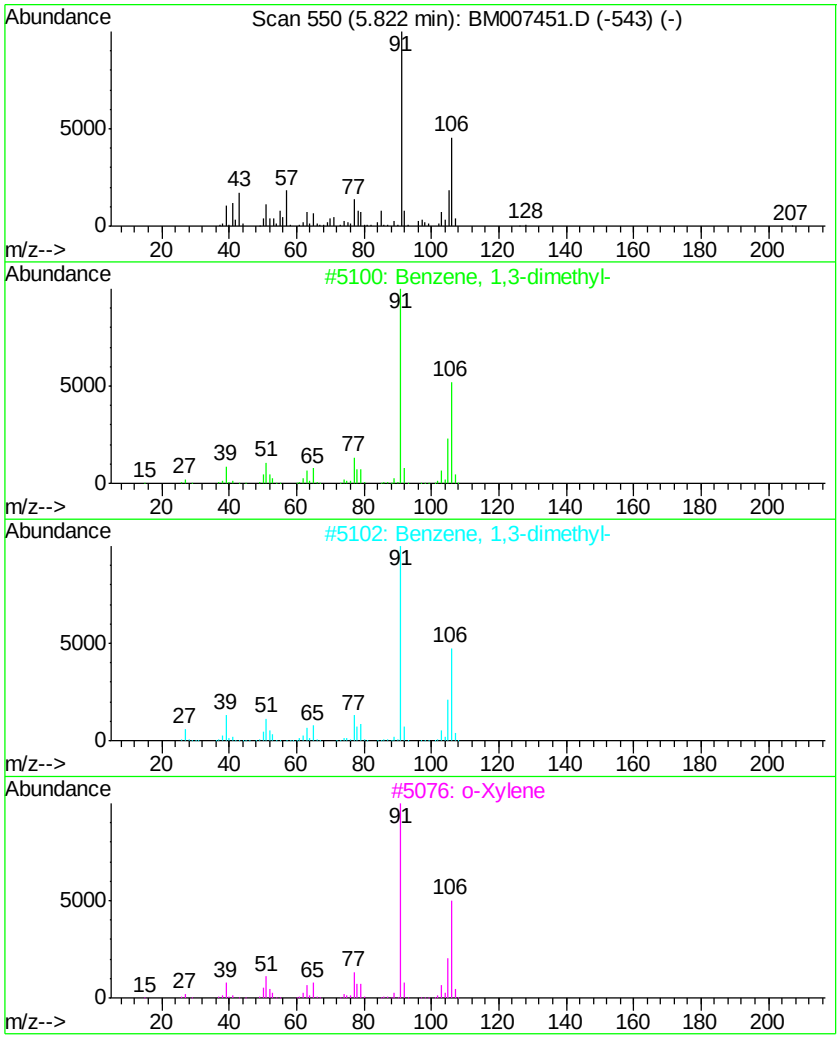
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

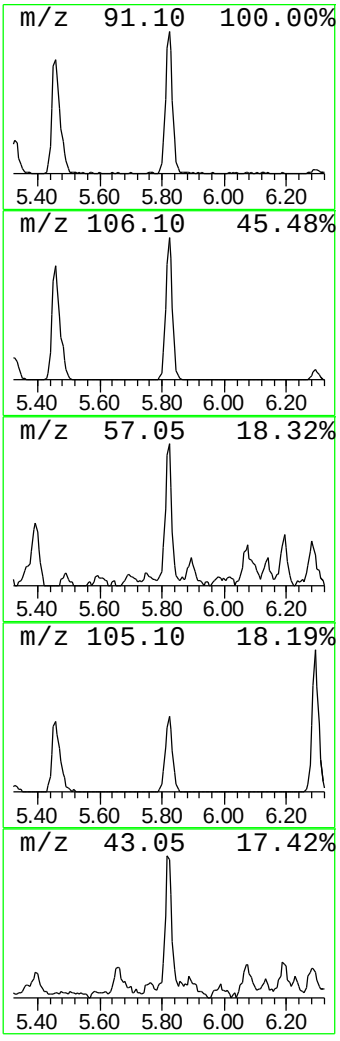
****

Peak Number 1 Benzene, 1,3-dimethyl- Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.82	4.15 ng/ul	449584	1,4-Dichlorobenzene-d4	7.79

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,3-dimethyl-	106	C8H10	000108-38-3	95
2	Benzene, 1,3-dimethyl-	106	C8H10	000108-38-3	95
3	o-Xylene	106	C8H10	000095-47-6	95
4	p-Xylene	106	C8H10	000106-42-3	95
5	o-Xylene	106	C8H10	000095-47-6	95





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM090716\
Data File : BM007451.D
Acq On : 07 Sep 2016 22:30
Operator : UM/SJ
Sample : H4666-05
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BD3A3

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM082316.M
Quant Title : SVOA CALIBRATION

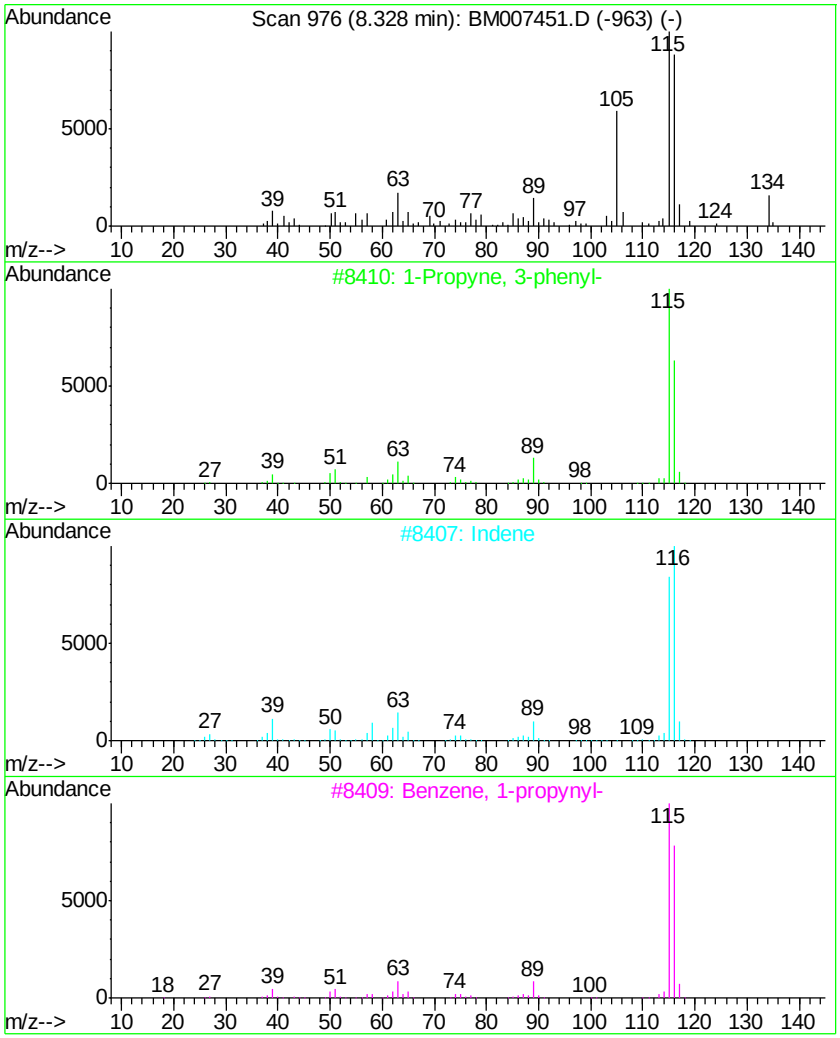
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

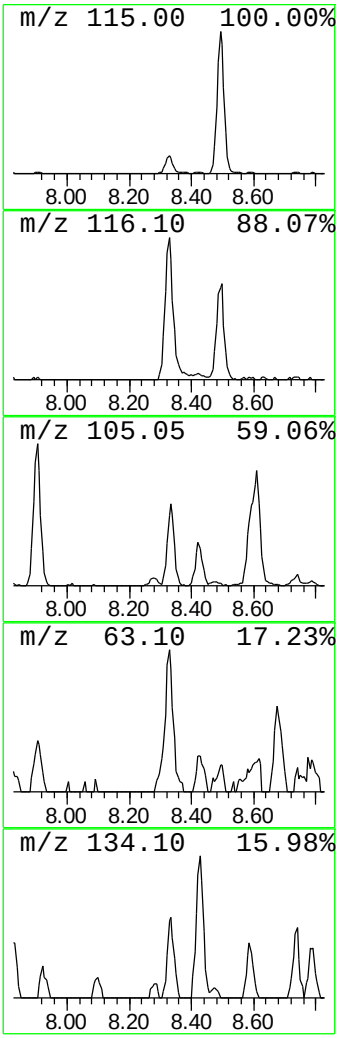
****

Peak Number 2 1-Propyne, 3-phenyl- Concentration Rank 30

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.33	3.16 ng/ul	342109	1,4-Dichlorobenzene-d4	7.79

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Propyne, 3-phenyl-	116	C9H8	010147-11-2	94
2	Indene	116	C9H8	000095-13-6	93
3	Benzene, 1-propynyl-	116	C9H8	000673-32-5	87
4	Indene	116	C9H8	000095-13-6	87
5	Benzene, 1-propynyl-	116	C9H8	000673-32-5	87





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM090716\
Data File : BM007451.D
Acq On : 07 Sep 2016 22:30
Operator : UM/SJ
Sample : H4666-05
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BD3A3

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM082316.M
Quant Title : SVOA CALIBRATION

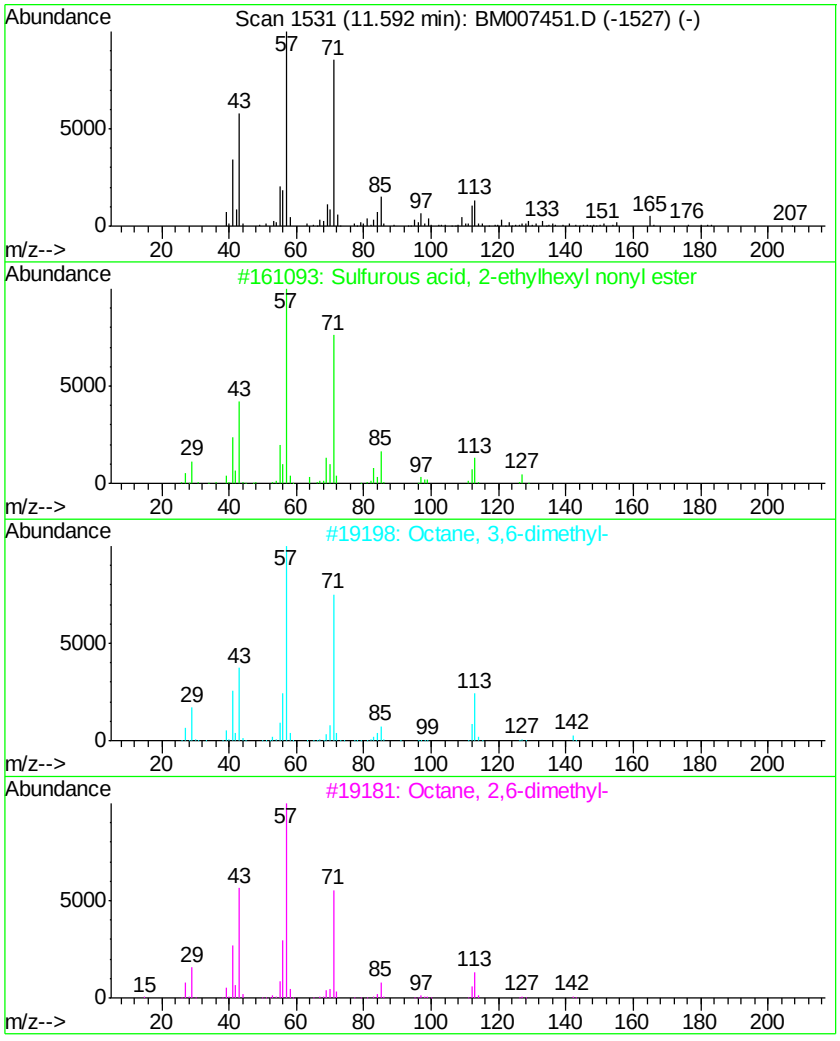
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

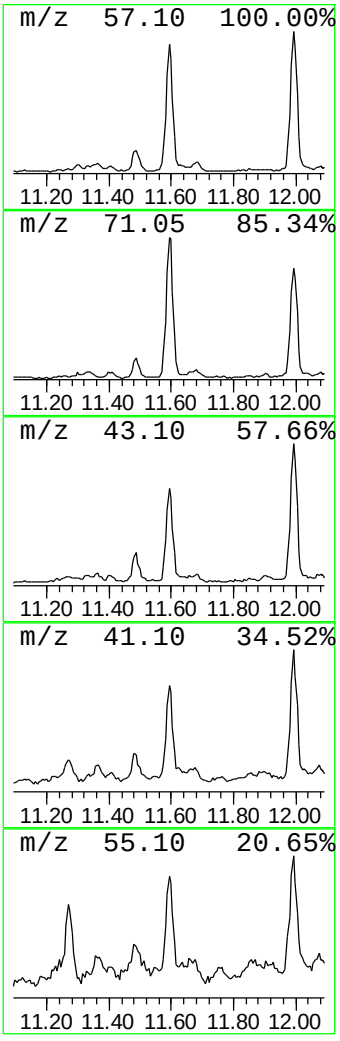
****

Peak Number 3 Sulfurous acid, 2-ethylhexy... Concentration Rank 37

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.59	2.98 ng/ul	551527	Naphthalene-d8	10.57

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Sulfurous acid, 2-ethylhexyl non...	320	C17H36O3S	1000309-19-2	86
2	Octane, 3,6-dimethyl-	142	C10H22	015869-94-0	72
3	Octane, 2,6-dimethyl-	142	C10H22	002051-30-1	72
4	Sulfurous acid, 2-ethylhexyl pen...	264	C13H28O3S	1000309-18-9	64
5	Hexane, 3,3-dimethyl-	114	C8H18	000563-16-6	53





Data Path : Z:\HPCHEM1\BNA_M\DATA\BM090716\
Data File : BM007451.D
Acq On : 07 Sep 2016 22:30
Operator : UM/SJ
Sample : H4666-05
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BD3A3

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM082316.M
Quant Title : SVOA CALIBRATION

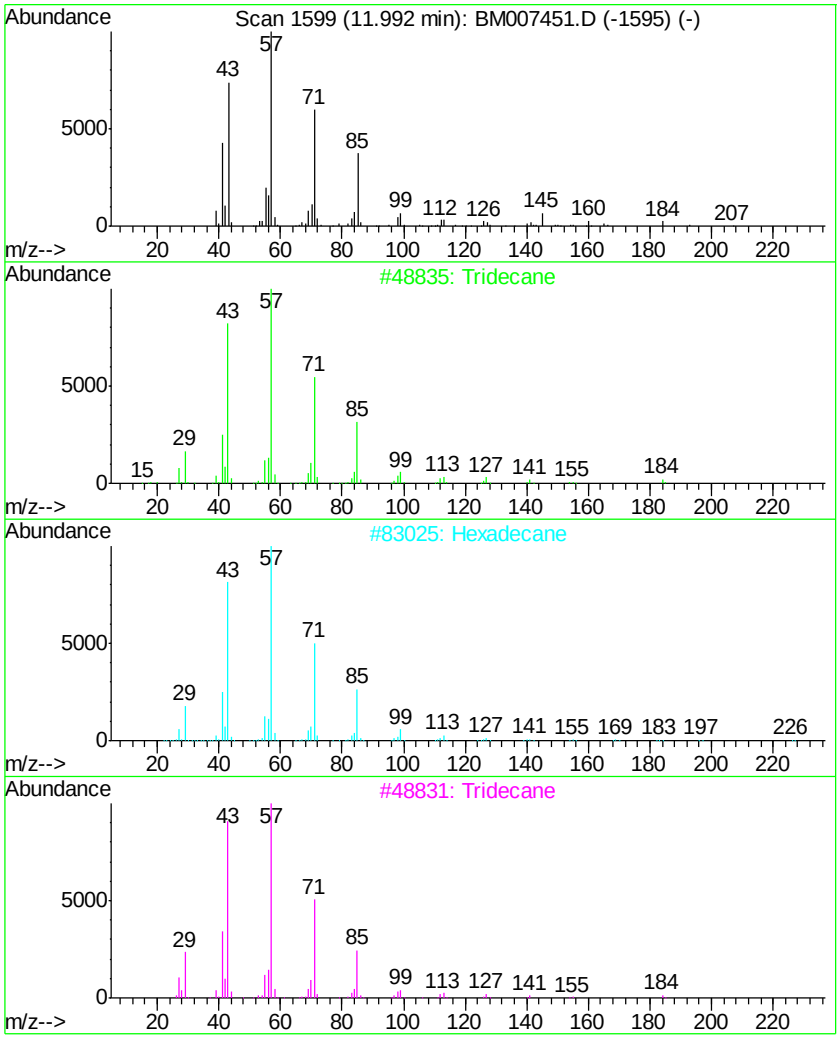
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

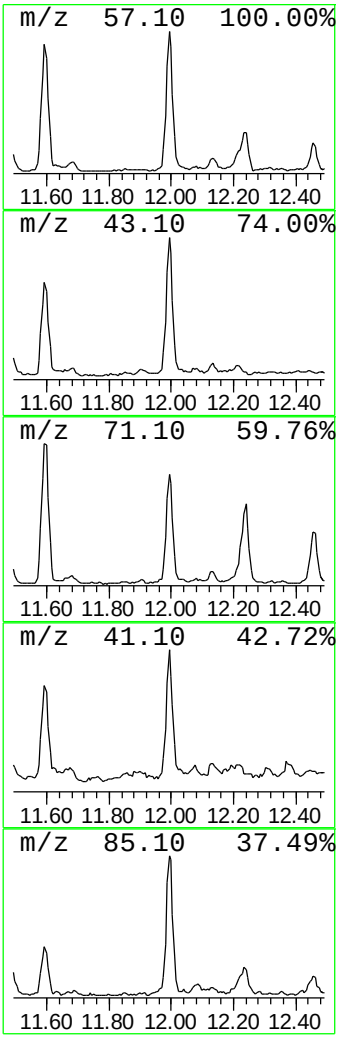
****

Peak Number 4 (DEL) Alkane: Straight-Chai... Concentration Rank 48

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.99	2.49 ng/ul	461118	Naphthalene-d8	10.57

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tridecane	184	C13H28	000629-50-5	95
2	Hexadecane	226	C16H34	000544-76-3	86
3	Tridecane	184	C13H28	000629-50-5	81
4	Tetradecane	198	C14H30	000629-59-4	80
5	Nonadecane	268	C19H40	000629-92-5	78





Data Path : Z:\HPCHEM1\BNA_M\DATA\BM090716\
Data File : BM007451.D
Acq On : 07 Sep 2016 22:30
Operator : UM/SJ
Sample : H4666-05
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BD3A3

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM082316.M
Quant Title : SVOA CALIBRATION

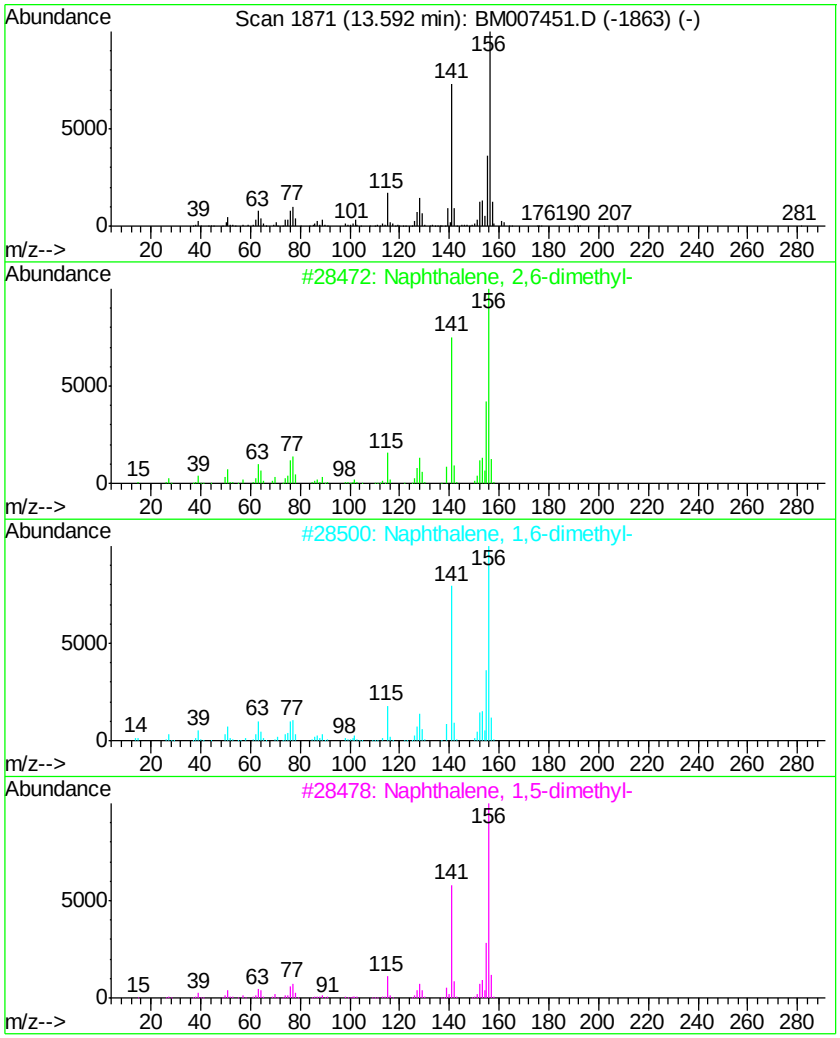
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

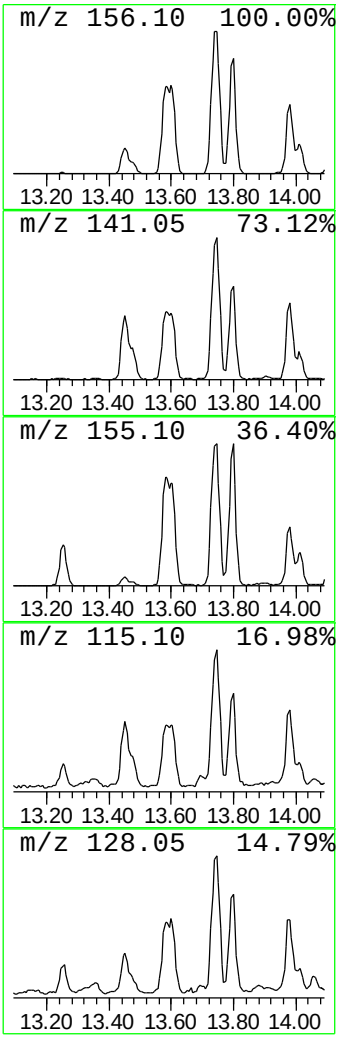
****

Peak Number 6 Naphthalene, 2,6-dimethyl- Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.59	4.19 ng/ul	1195130	Acenaphthene-d10	14.43

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	97
2	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	97
3	Naphthalene, 1,5-dimethyl-	156	C12H12	000571-61-9	97
4	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	97
5	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	97





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM090716\
Data File : BM007451.D
Acq On : 07 Sep 2016 22:30
Operator : UM/SJ
Sample : H4666-05
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BD3A3

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM082316.M
Quant Title : SVOA CALIBRATION

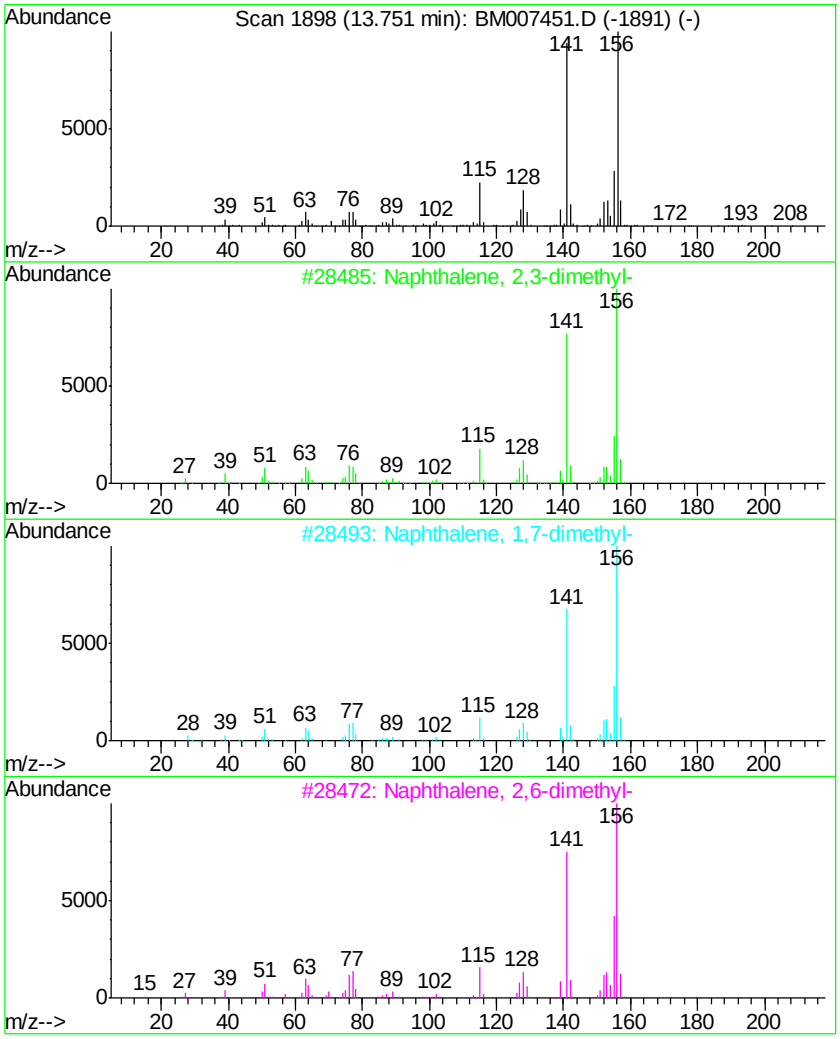
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

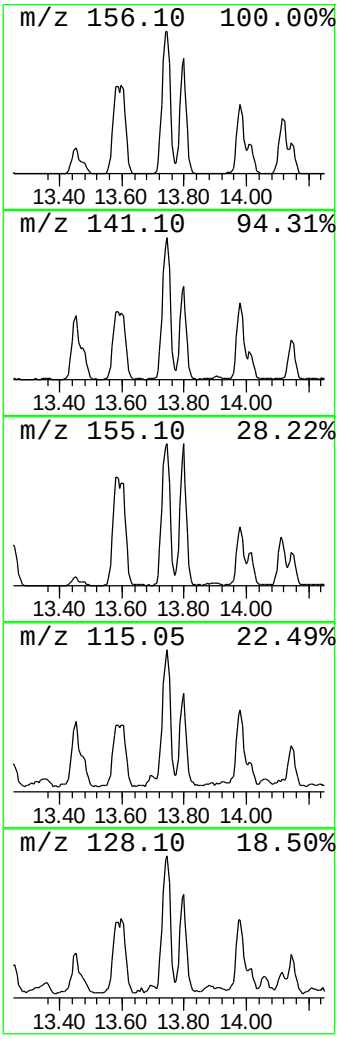
****

Peak Number 7 Naphthalene, 2,3-dimethyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.75	8.49 ng/ul	2418720	Acenaphthene-d10	14.43

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	97
2	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	97
3	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	97
4	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	97
5	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	96





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM090716\
Data File : BM007451.D
Acq On : 07 Sep 2016 22:30
Operator : UM/SJ
Sample : H4666-05
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BD3A3

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM082316.M
Quant Title : SVOA CALIBRATION

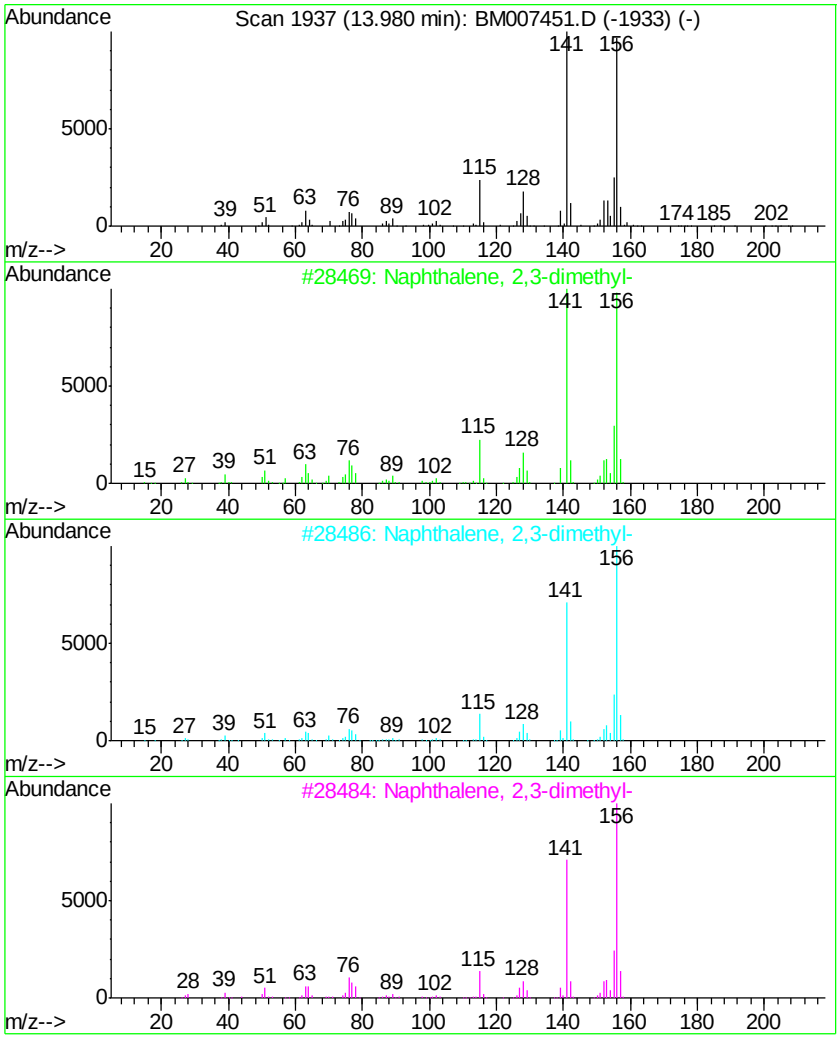
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

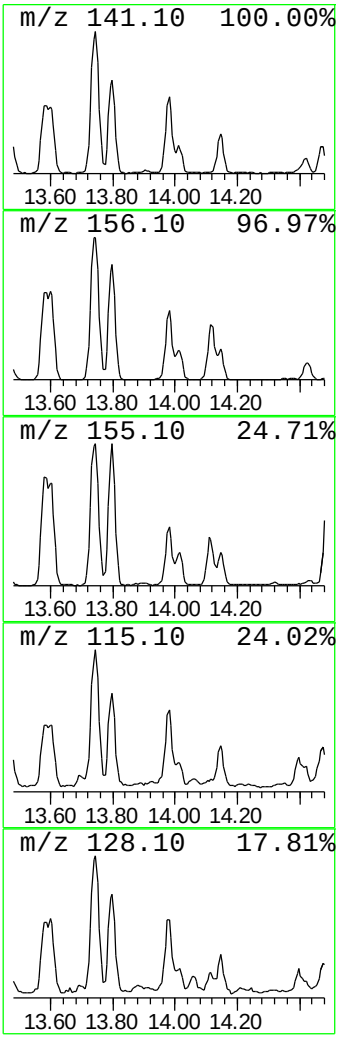
****

Peak Number 8 Naphthalene, 1,3-dimethyl- Concentration Rank 26

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.98	3.87 ng/ul	1101970	Acenaphthene-d10	14.43

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	97
2	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	95
3	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	95
4	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	94
5	Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	94





Data Path : Z:\HPCHEM1\BNA_M\DATA\BM090716\
Data File : BM007451.D
Acq On : 07 Sep 2016 22:30
Operator : UM/SJ
Sample : H4666-05
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BD3A3

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM082316.M
Quant Title : SVOA CALIBRATION

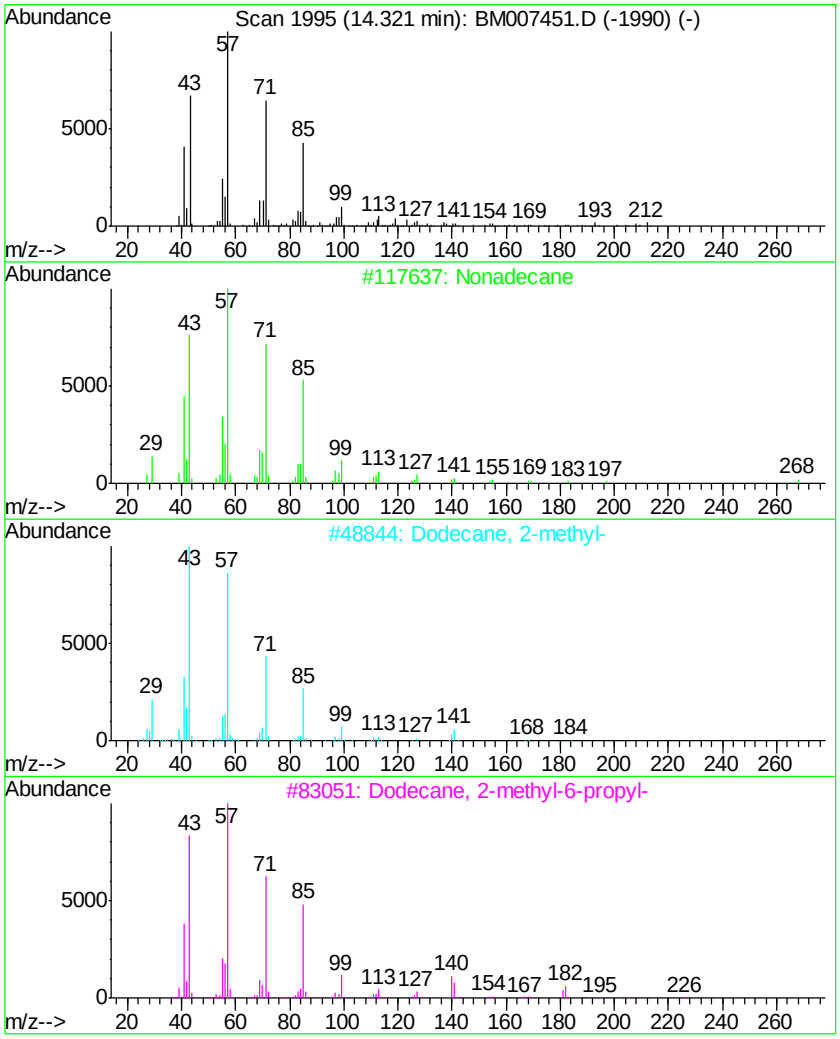
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

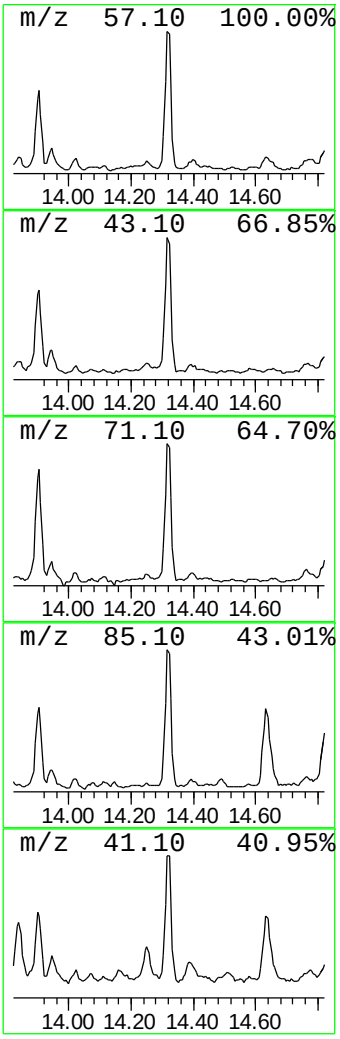
****

Peak Number 9 (DEL) Alkane: Straight-Chai... Concentration Rank 39

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.32	2.96 ng/ul	842910	Acenaphthene-d10	14.43

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Nonadecane	268	C19H40	000629-92-5	81
2	Dodecane, 2-methyl-	184	C13H28	001560-97-0	80
3	Dodecane, 2-methyl-6-propyl-	226	C16H34	055045-08-4	80
4	Heptadecane	240	C17H36	000629-78-7	80
5	10-Methylnonadecane	282	C20H42	056862-62-5	72





Data Path : Z:\HPCHEM1\BNA_M\DATA\BM090716\
Data File : BM007451.D
Acq On : 07 Sep 2016 22:30
Operator : UM/SJ
Sample : H4666-05
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BD3A3

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM082316.M
Quant Title : SVOA CALIBRATION

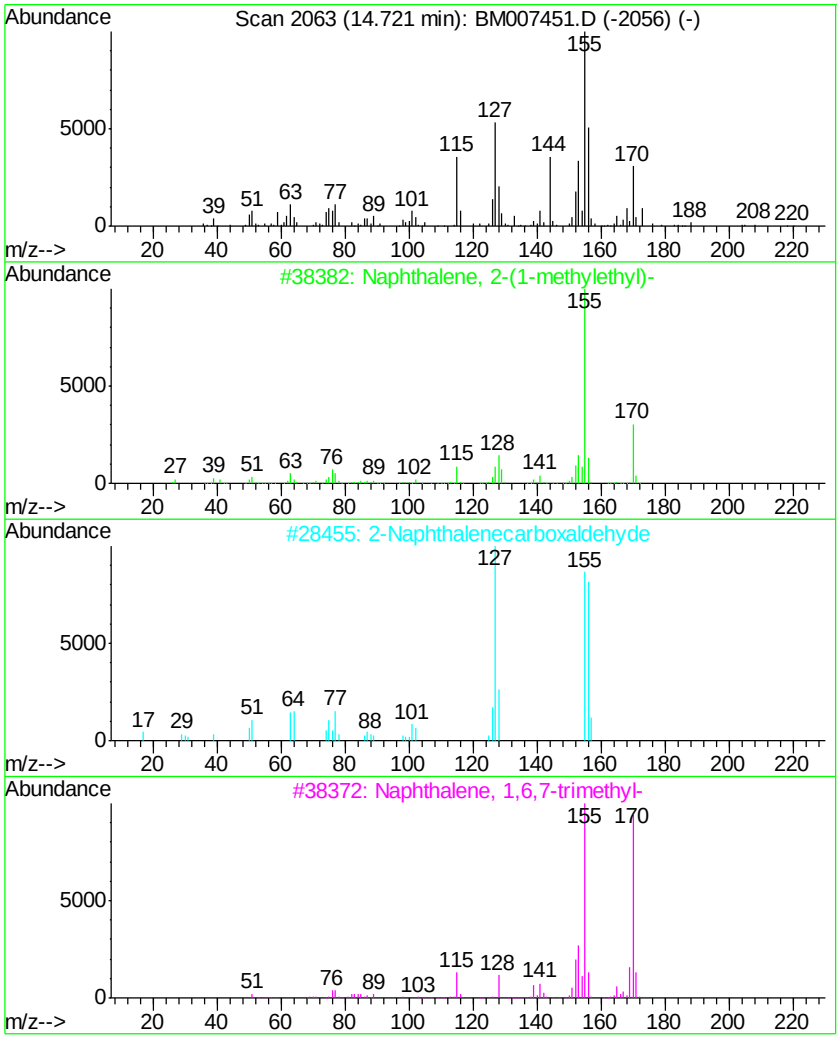
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

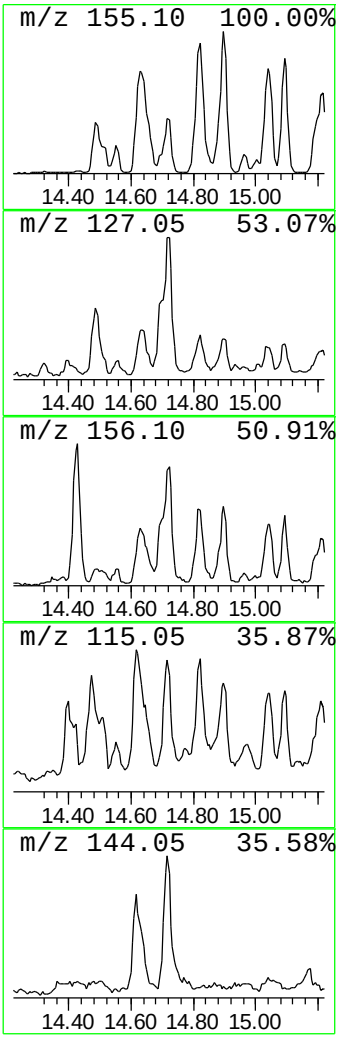
****

Peak Number 10 Naphthalene, 2-(1-methyleth... Concentration Rank 49

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.72	2.22 ng/ul	633171	Acenaphthene-d10	14.43

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-(1-methylethyl)-	170	C13H14	002027-17-0	87
2	2-Naphthalenecarboxaldehyde	156	C11H8O	000066-99-9	64
3	Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	49
4	Naphthalene, 2-(1-methylethyl)-	170	C13H14	002027-17-0	43
5	2-Naphthalenecarboxaldehyde	156	C11H8O	000066-99-9	42





Data Path : Z:\HPCHEM1\BNA_M\DATA\BM090716\
Data File : BM007451.D
Acq On : 07 Sep 2016 22:30
Operator : UM/SJ
Sample : H4666-05
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BD3A3

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM082316.M
Quant Title : SVOA CALIBRATION

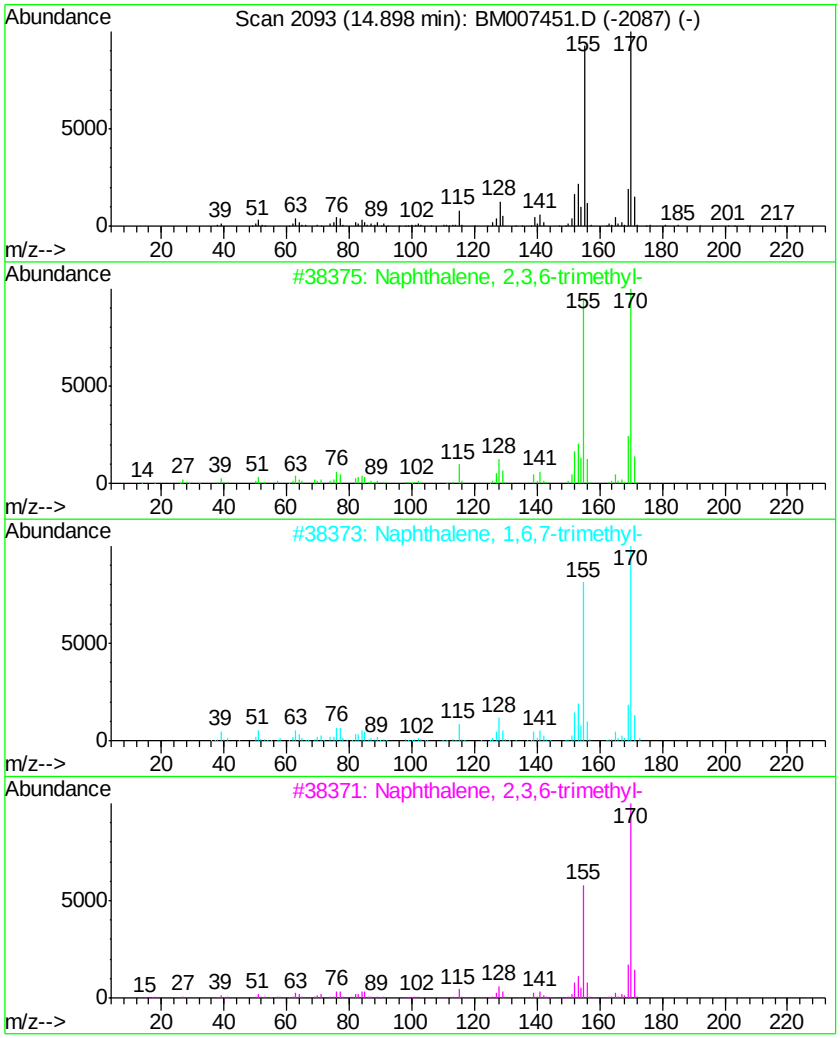
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

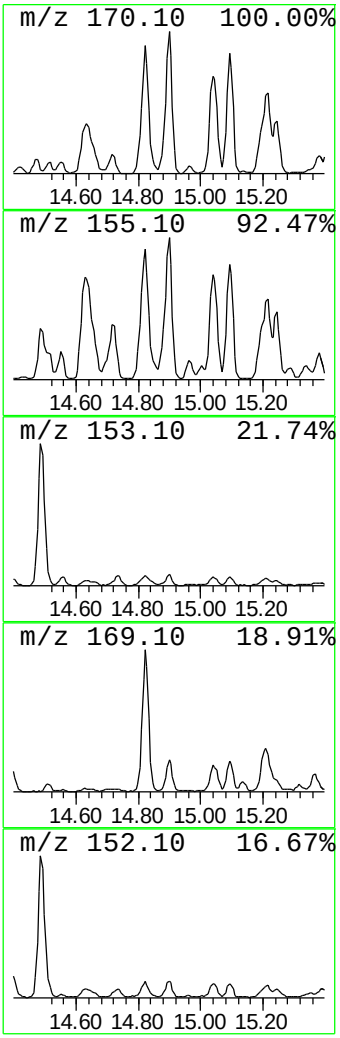
****

Peak Number 11 Naphthalene, 2,3,6-trimethyl- Concentration Rank 38

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.90	2.96 ng/ul	844873	Acenaphthene-d10	14.43

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	98
2	Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	97
3	Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	97
4	Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	97
5	Naphthalene, 1,4,6-trimethyl-	170	C13H14	002131-42-2	96





Data Path : Z:\HPCHEM1\BNA_M\DATA\BM090716\
Data File : BM007451.D
Acq On : 07 Sep 2016 22:30
Operator : UM/SJ
Sample : H4666-05
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BD3A3

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM082316.M
Quant Title : SVOA CALIBRATION

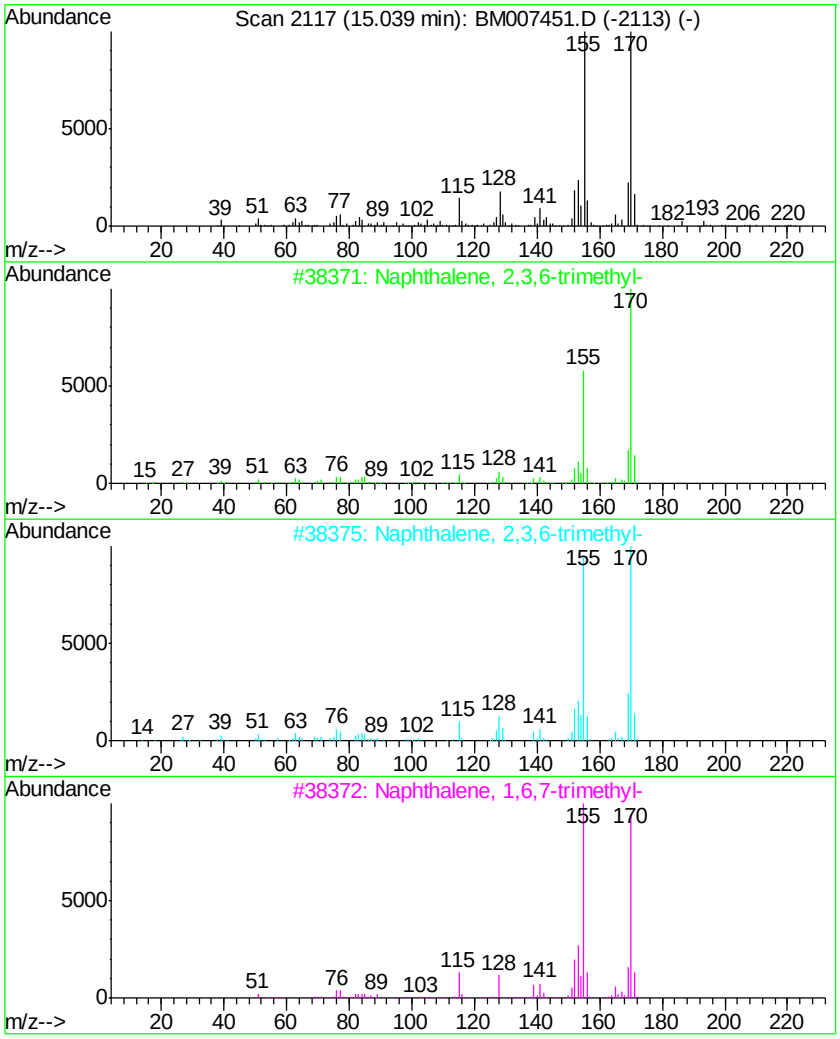
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

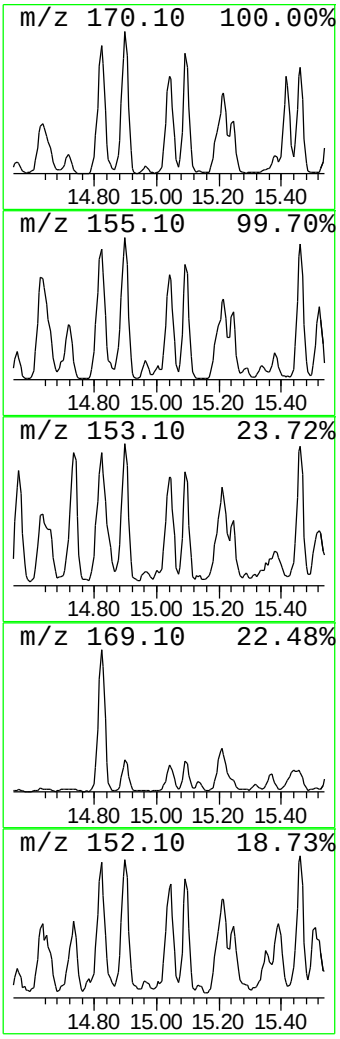
****

Peak Number 12 Naphthalene, 1,6,7-trimethyl- Concentration Rank 40

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.04	2.88 ng/ul	819691	Acenaphthene-d10	14.43

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	97
2	Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	97
3	Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	96
4	Naphthalene, 1,4,6-trimethyl-	170	C13H14	002131-42-2	96
5	Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	96





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM090716\
Data File : BM007451.D
Acq On : 07 Sep 2016 22:30
Operator : UM/SJ
Sample : H4666-05
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BD3A3

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM082316.M
Quant Title : SVOA CALIBRATION

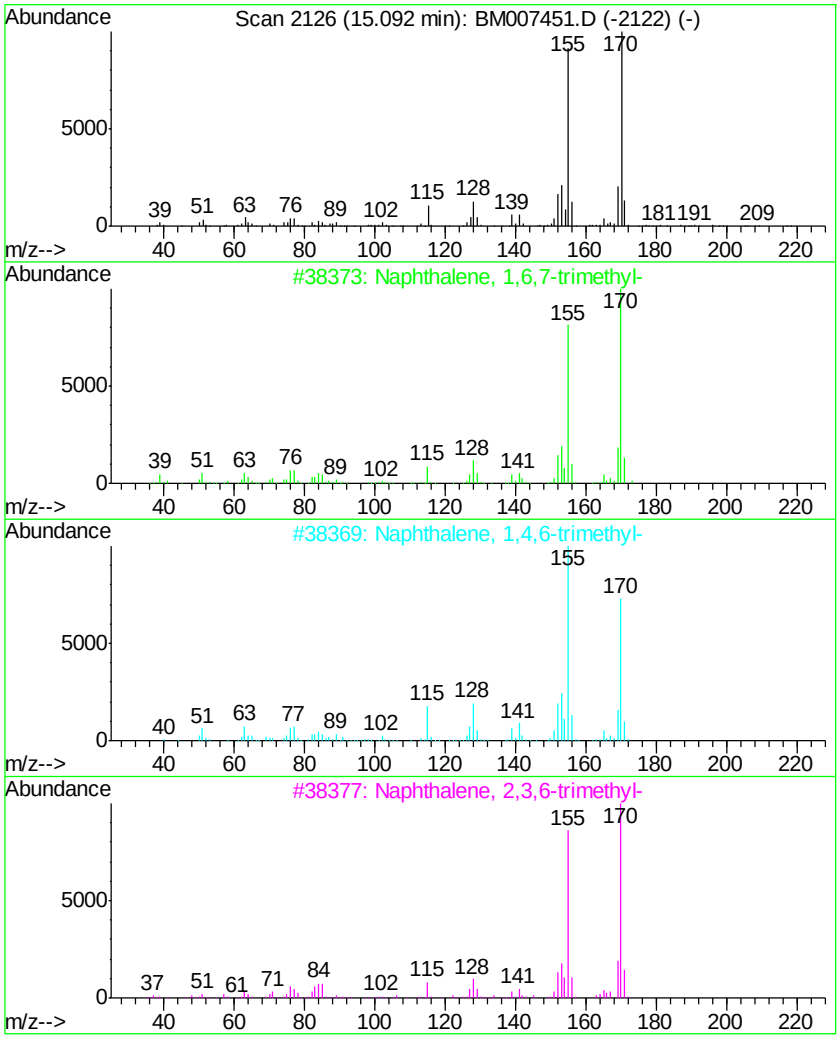
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

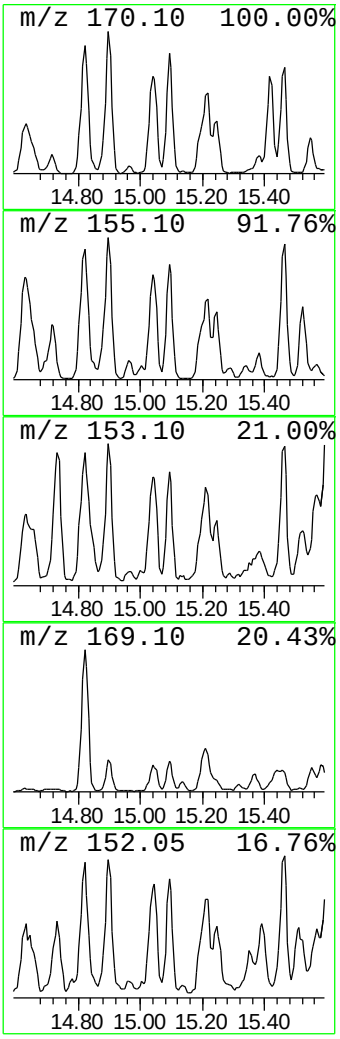
****

Peak Number 13 Naphthalene, 1,4,6-trimethyl- Concentration Rank 44

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.09	2.57 ng/ul	732455	Acenaphthene-d10	14.43

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	97
2	Naphthalene, 1,4,6-trimethyl-	170	C13H14	002131-42-2	96
3	Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	95
4	Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	94
5	Naphthalene, 1,4,6-trimethyl-	170	C13H14	002131-42-2	94





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM090716\
Data File : BM007451.D
Acq On : 07 Sep 2016 22:30
Operator : UM/SJ
Sample : H4666-05
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BD3A3

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM082316.M
Quant Title : SVOA CALIBRATION

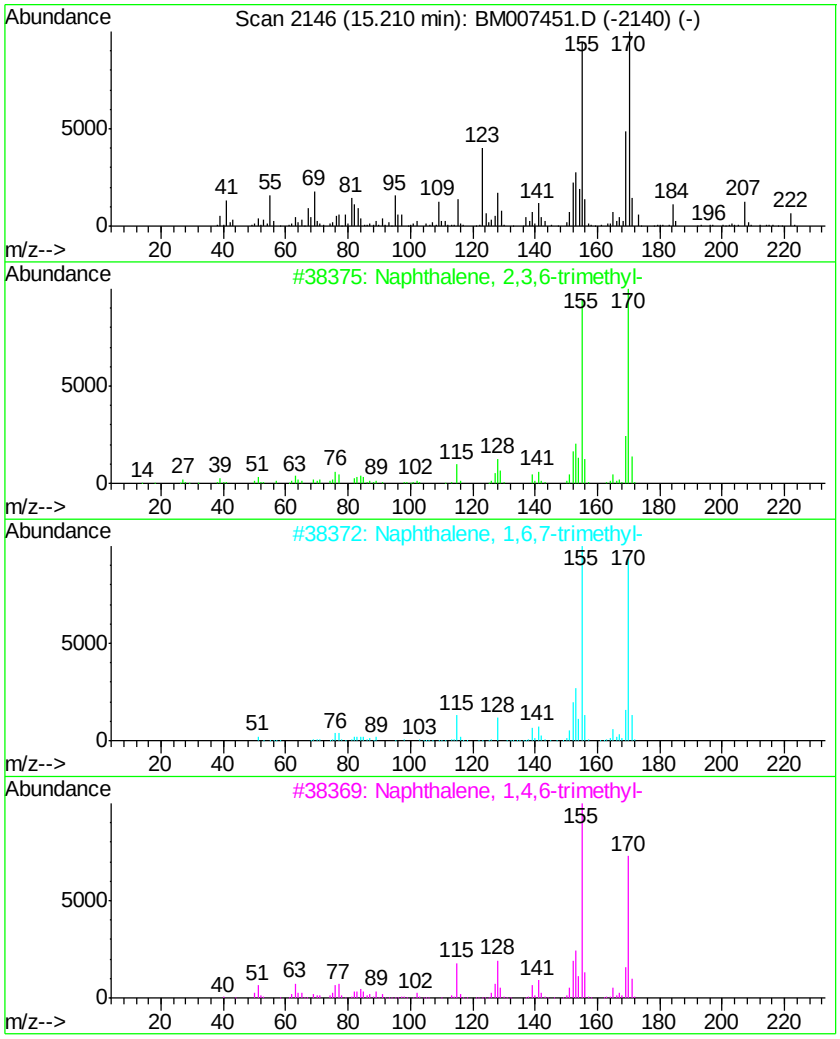
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

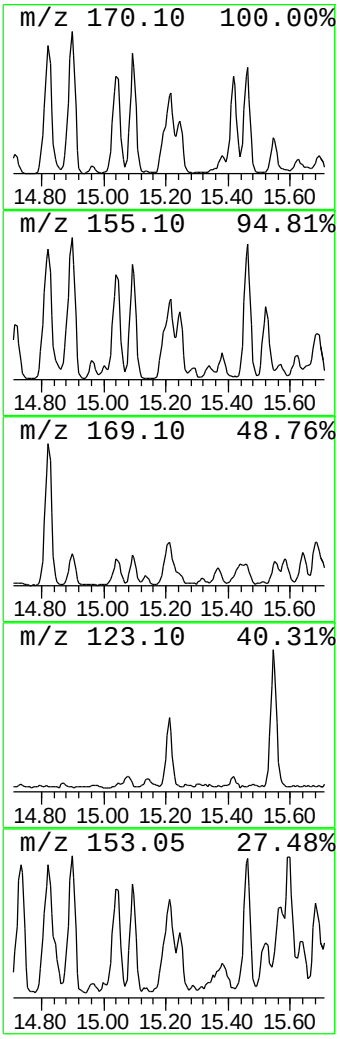
****

Peak Number 14 Naphthalene, 1,4,5-trimethyl- Concentration Rank 27

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.21	3.86 ng/ul	1100060	Acenaphthene-d10	14.43

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	97
2	Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	95
3	Naphthalene, 1,4,6-trimethyl-	170	C13H14	002131-42-2	93
4	Naphthalene, 1,4,5-trimethyl-	170	C13H14	002131-41-1	90
5	Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	86





Data Path : Z:\HPCHEM1\BNA_M\DATA\BM090716\
Data File : BM007451.D
Acq On : 07 Sep 2016 22:30
Operator : UM/SJ
Sample : H4666-05
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BD3A3

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM082316.M
Quant Title : SVOA CALIBRATION

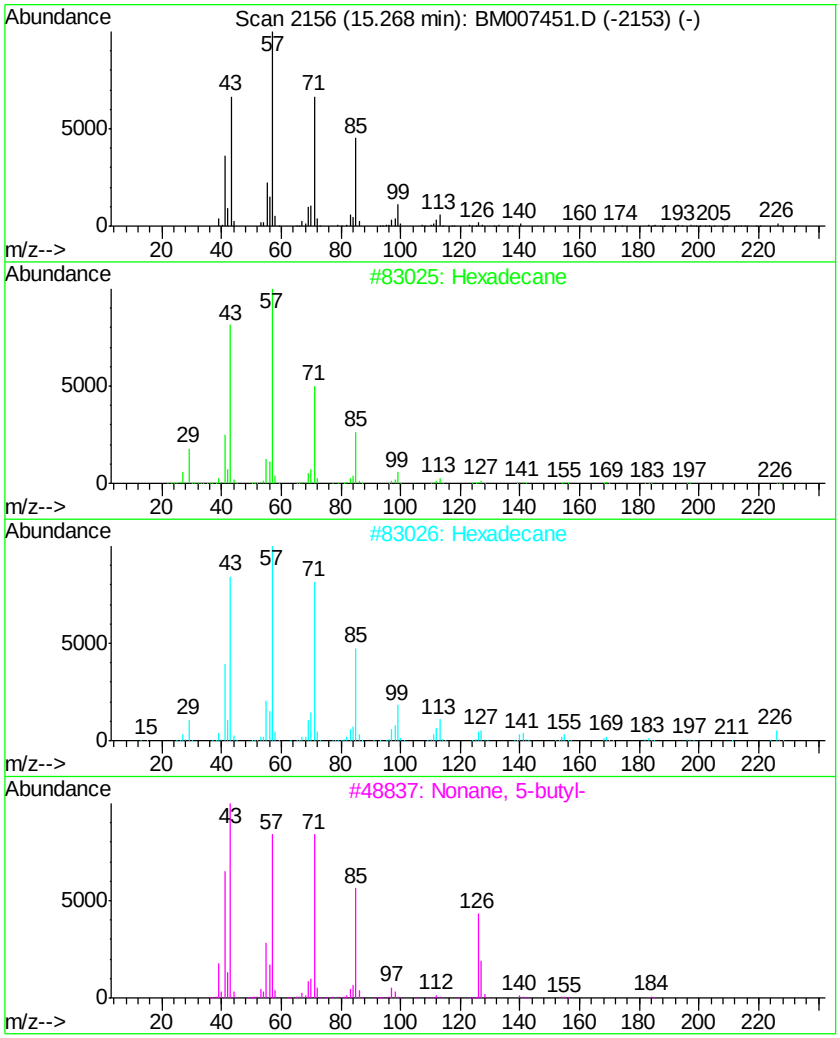
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

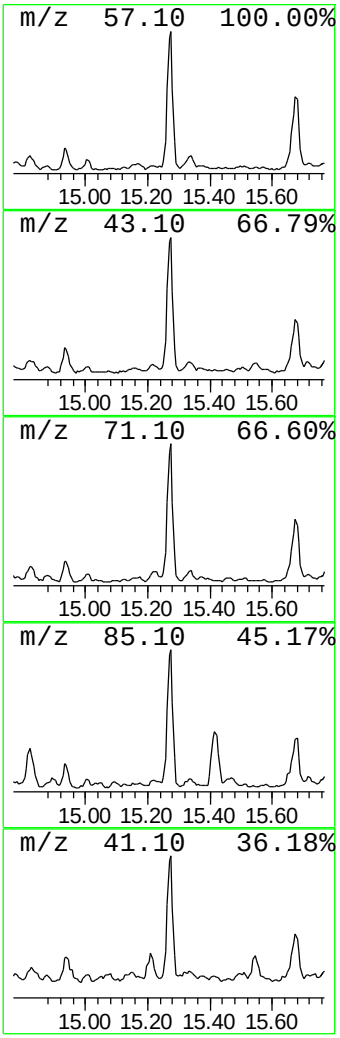
****

Peak Number 15 (DEL) Alkane: Straight-Chai... Concentration Rank 33

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.27	3.12 ng/ul	889700	Acenaphthene-d10	14.43

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexadecane	226	C16H34	000544-76-3	94
2	Hexadecane	226	C16H34	000544-76-3	91
3	Nonane, 5-butyl-	184	C13H28	017312-63-9	76
4	Dodecane, 4-methyl-	184	C13H28	006117-97-1	70
5	Undecane, 6-ethyl-	184	C13H28	017312-60-6	70





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM090716\
Data File : BM007451.D
Acq On : 07 Sep 2016 22:30
Operator : UM/SJ
Sample : H4666-05
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BD3A3

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM082316.M
Quant Title : SVOA CALIBRATION

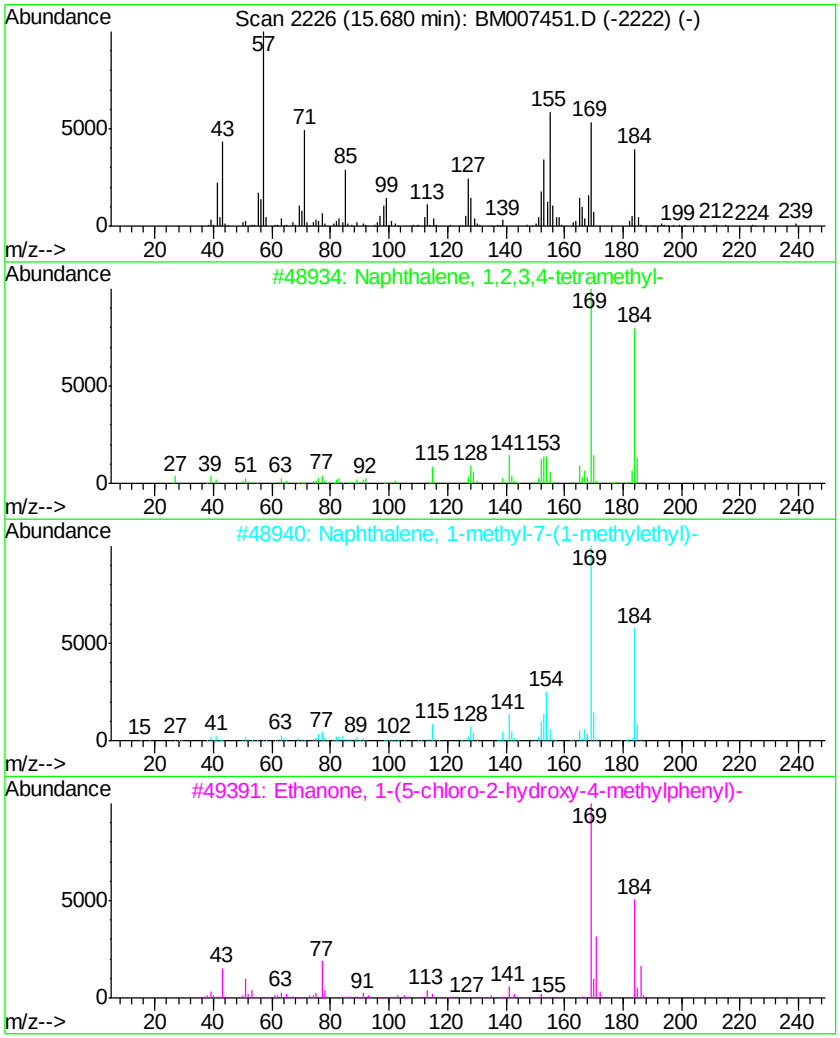
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

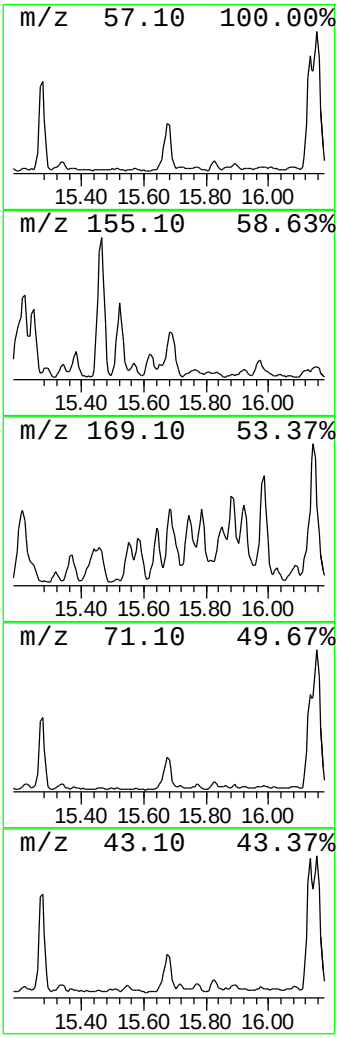
****

Peak Number 16 unknown-01 Concentration Rank 31

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.68	3.16 ng/ul	900424	Acenaphthene-d10	14.43

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,2,3,4-tetramethyl-	184	C14H16	003031-15-0	27
2	Naphthalene, 1-methyl-7-(1-methy...	184	C14H16	000490-65-3	25
3	Ethanone, 1-(5-chloro-2-hydroxy-...	184	C9H9ClO2	028480-70-8	22
4	2,4,6(1H,3H,5H)-Pyrimidinetrione...	184	C8H12N2O3	007391-61-9	22
5	2,4,6(1H,3H,5H)-Pyrimidinetrione...	254	C13H22N2O3	028239-47-6	14





Data Path : Z:\HPCHEM1\BNA_M\DATA\BM090716\
Data File : BM007451.D
Acq On : 07 Sep 2016 22:30
Operator : UM/SJ
Sample : H4666-05
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BD3A3

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM082316.M
Quant Title : SVOA CALIBRATION

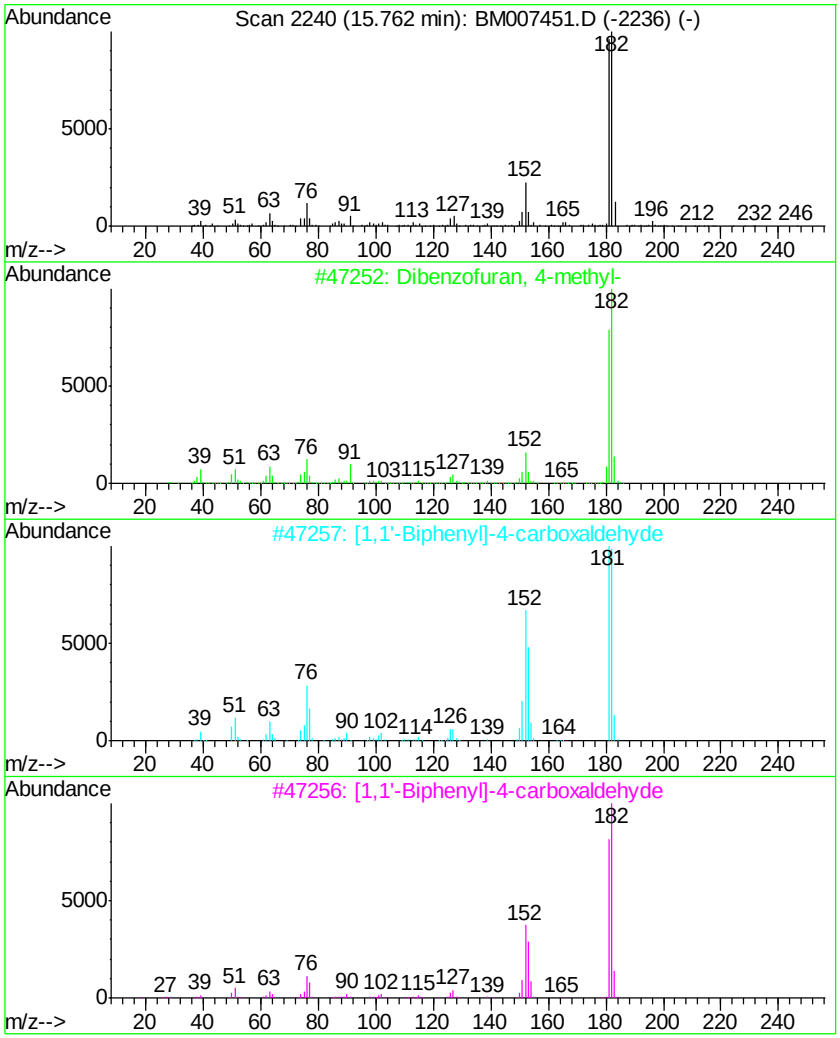
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

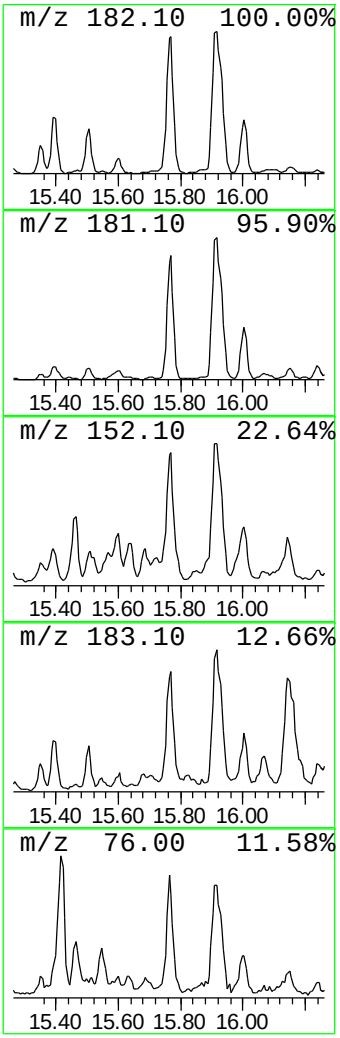
****

Peak Number 17 Dibenzofuran, 4-methyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.76	5.21 ng/ul	1484290	Acenaphthene-d10	14.43

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzofuran, 4-methyl-	182	C13H10O	007320-53-8	87
2	[1,1'-Biphenyl]-4-carboxaldehyde	182	C13H10O	003218-36-8	87
3	[1,1'-Biphenyl]-4-carboxaldehyde	182	C13H10O	003218-36-8	83
4	Pyrido[2,3-b]indole, 6-methyl-	182	C12H10N2	108349-67-3	80
5	2,4,6-Cycloheptatrien-1-one, 2-p...	182	C13H10O	014562-09-5	78





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM090716\
Data File : BM007451.D
Acq On : 07 Sep 2016 22:30
Operator : UM/SJ
Sample : H4666-05
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BD3A3

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM082316.M
Quant Title : SVOA CALIBRATION

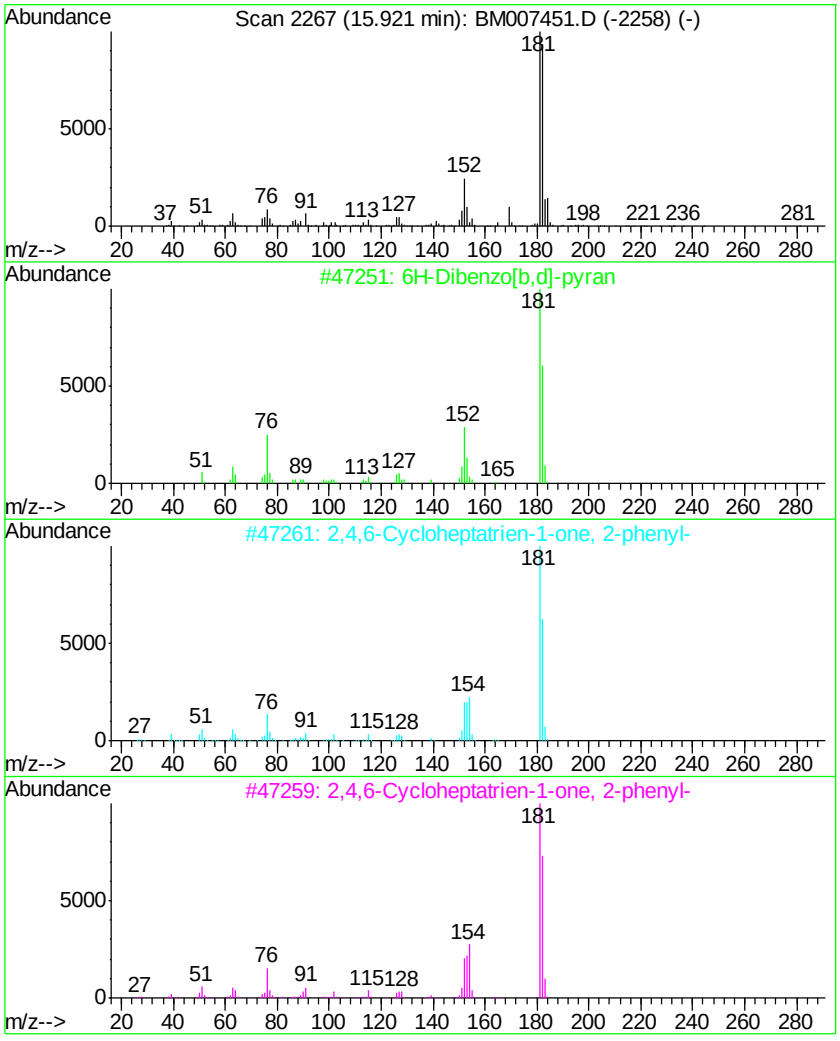
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

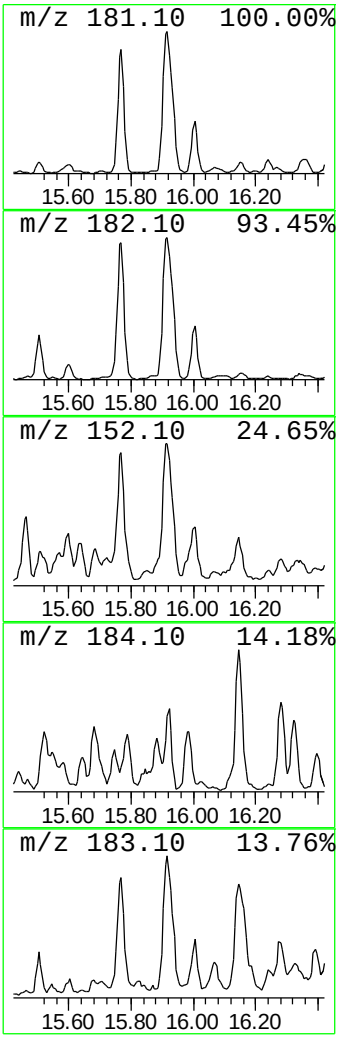
****

Peak Number 18 6H-Dibenzo[b,d]-pyran Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.92	6.89 ng/ul	2099410	Phenanthrene-d10	17.17

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	6H-Dibenzo[b,d]-pyran	182	C13H10O	000229-95-8	90
2	2,4,6-Cycloheptatrien-1-one, 2-p...	182	C13H10O	014562-09-5	87
3	2,4,6-Cycloheptatrien-1-one, 2-p...	182	C13H10O	014562-09-5	86
4	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	80
5	Dibenzofuran, 4-methyl-	182	C13H10O	007320-53-8	80





Data Path : Z:\HPCHEM1\BNA_M\DATA\BM090716\
Data File : BM007451.D
Acq On : 07 Sep 2016 22:30
Operator : UM/SJ
Sample : H4666-05
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BD3A3

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM082316.M
Quant Title : SVOA CALIBRATION

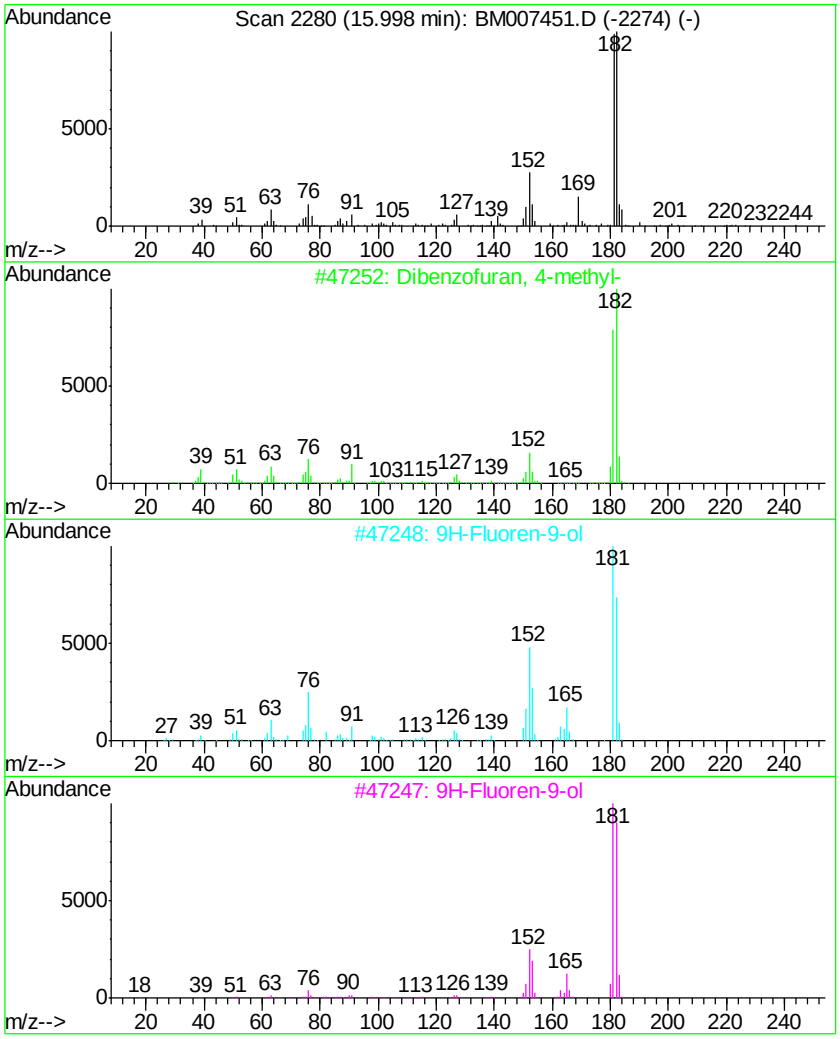
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

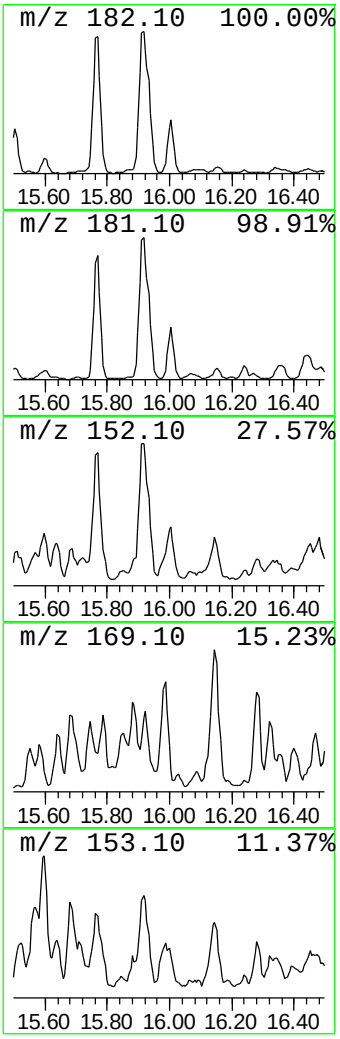
****

Peak Number 19 9H-Fluoren-9-ol Concentration Rank 42

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.00	2.77 ng/ul	843054	Phenanthrene-d10	17.17

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzofuran, 4-methyl-	182	C13H10O	007320-53-8	90
2	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	87
3	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	80
4	2-Hydroxyfluorene	182	C13H10O	002443-58-5	76
5	[1,1'-Biphenyl]-4-carboxaldehyde	182	C13H10O	003218-36-8	72





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM090716\
Data File : BM007451.D
Acq On : 07 Sep 2016 22:30
Operator : UM/SJ
Sample : H4666-05
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BD3A3

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM082316.M
Quant Title : SVOA CALIBRATION

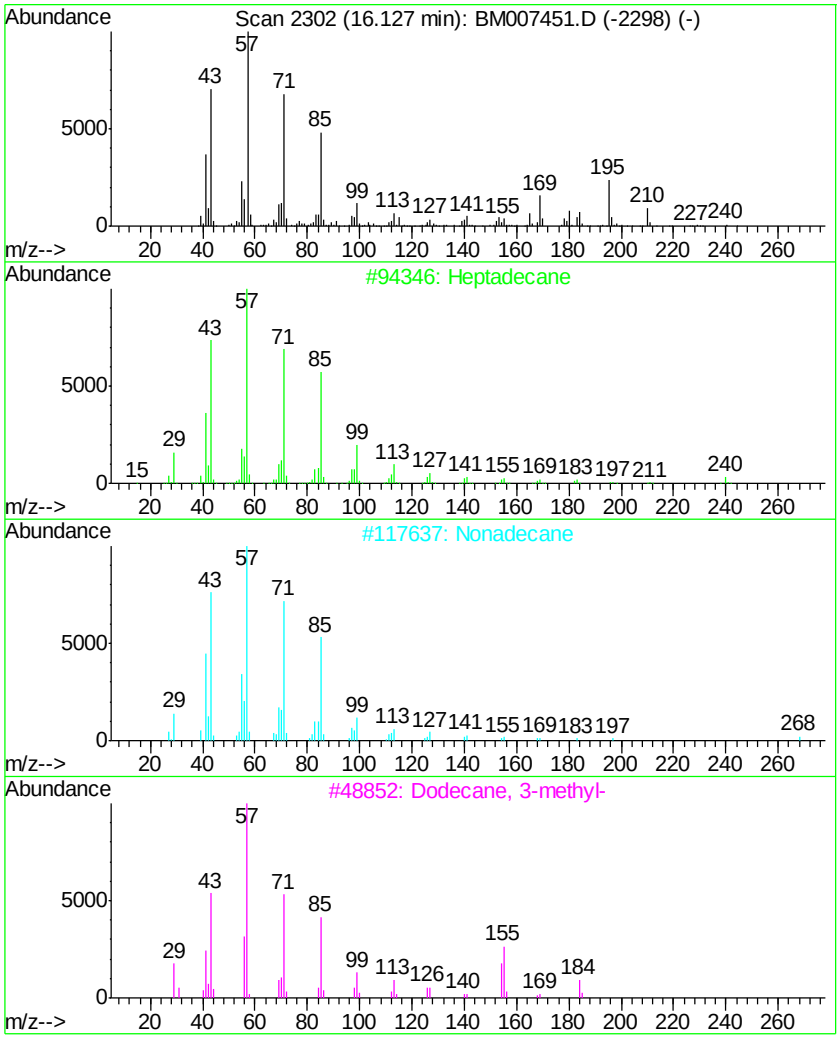
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

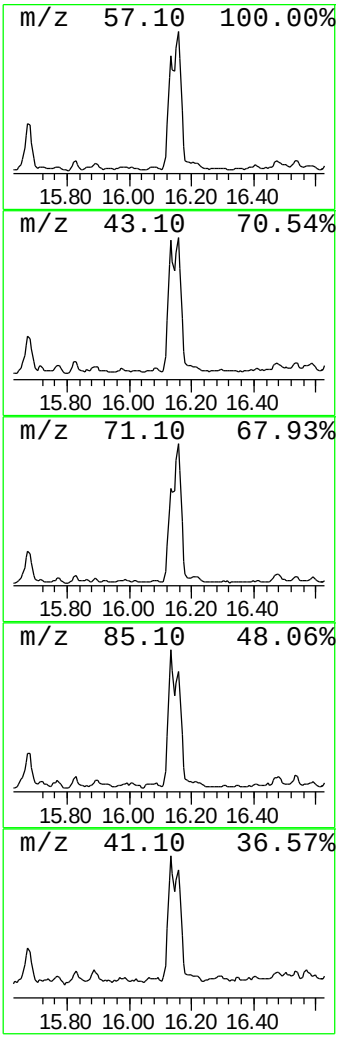
****

Peak Number 20 (DEL) Alkane: Straight-Chai... Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.13	4.95 ng/ul	1508470	Phenanthrene-d10	17.17

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptadecane	240	C17H36	000629-78-7	93
2	Nonadecane	268	C19H40	000629-92-5	70
3	Dodecane, 3-methyl-	184	C13H28	017312-57-1	68
4	Dodecane, 1-iodo-	296	C12H25I	004292-19-7	64
5	Tridecane	184	C13H28	000629-50-5	64





Data Path : Z:\HPCHEM1\BNA_M\DATA\BM090716\
Data File : BM007451.D
Acq On : 07 Sep 2016 22:30
Operator : UM/SJ
Sample : H4666-05
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BD3A3

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM082316.M
Quant Title : SVOA CALIBRATION

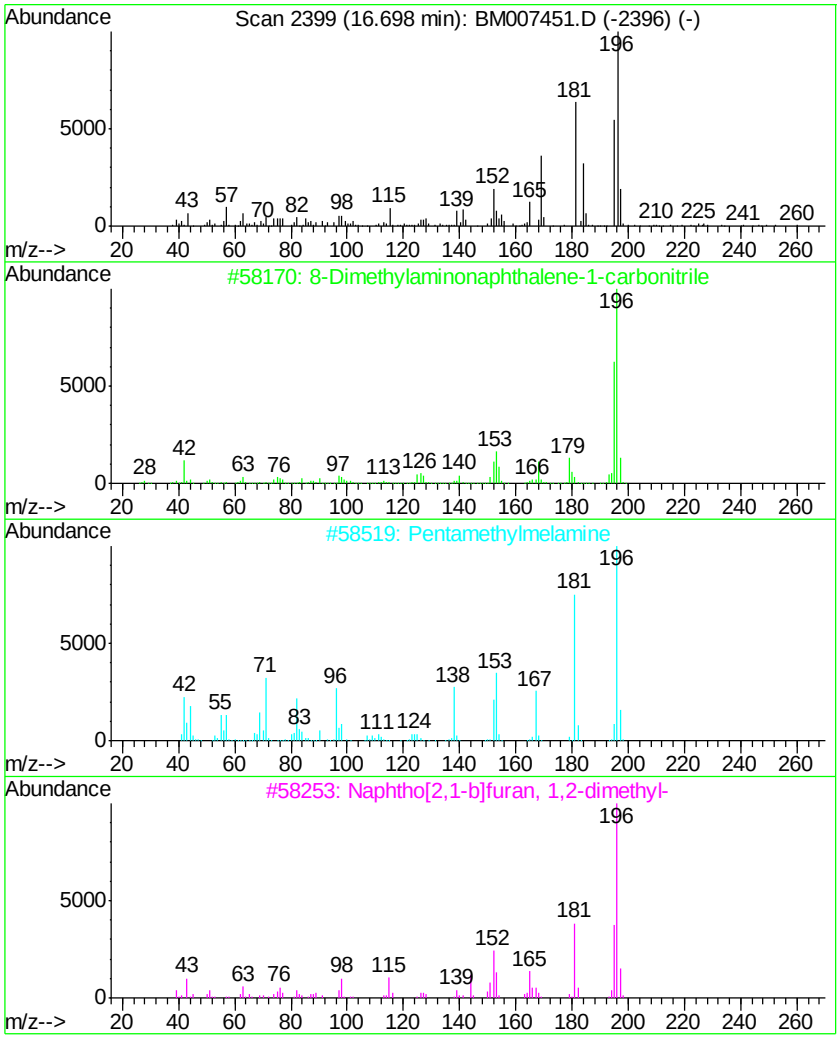
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

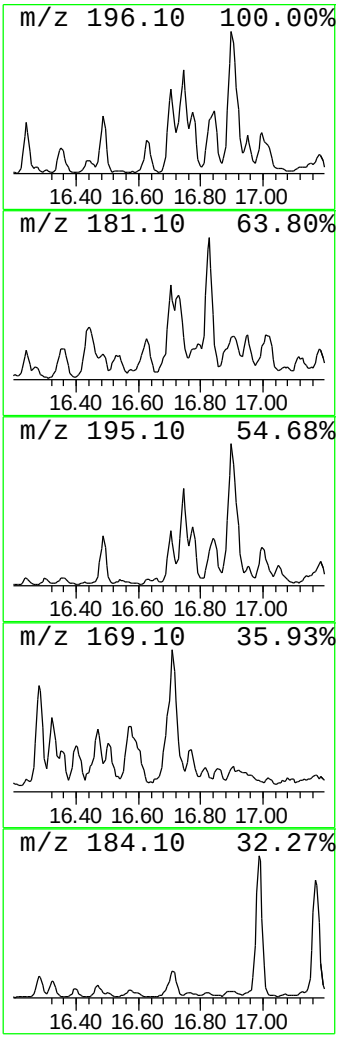
****

Peak Number 21 unknown-02 Concentration Rank 41

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.70	2.83 ng/ul	863899	Phenanthrene-d10	17.17

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	8-Dimethylaminonaphthalene-1-car...	196	C13H12N2	128644-69-9	43
2	Pentamethylmelamine	196	C8H16N6	035832-09-8	43
3	Naphtho[2,1-b]furan, 1,2-dimethyl-	196	C14H12O	129812-23-3	43
4	2,4,6-Trimethoxybenzaldehyde	196	C10H12O4	000830-79-5	38
5	Benzenamine, 4-[(E)-2-(4-pyridin...	196	C13H12N2	1000351-61-4	35





Data Path : Z:\HPCHEM1\BNA_M\DATA\BM090716\
Data File : BM007451.D
Acq On : 07 Sep 2016 22:30
Operator : UM/SJ
Sample : H4666-05
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BD3A3

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM082316.M
Quant Title : SVOA CALIBRATION

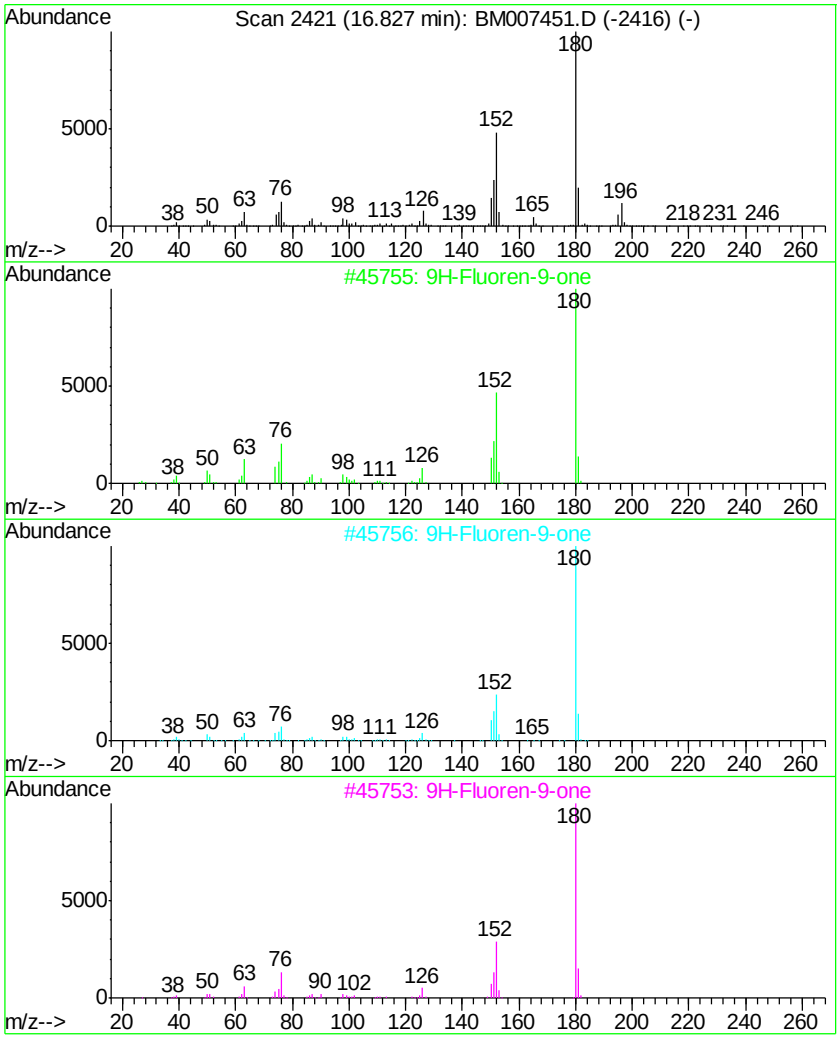
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

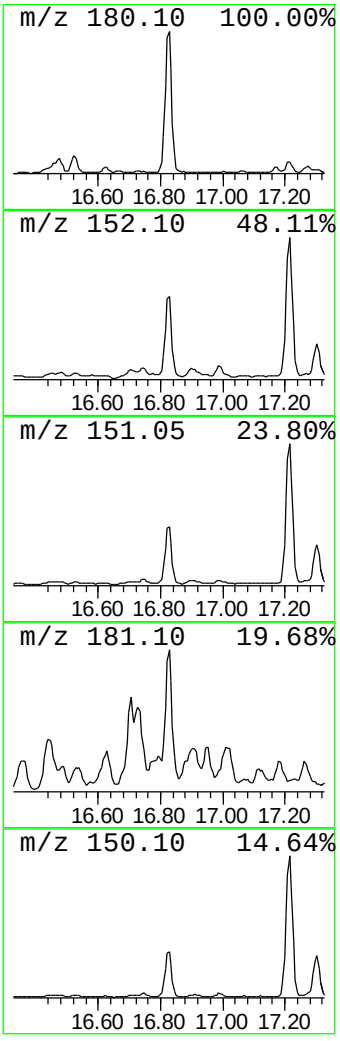
****

Peak Number 22 9H-Fluoren-9-one Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.83	7.52 ng/ul	2291810	Phenanthrene-d10	17.17

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluoren-9-one	180	C13H8O	000486-25-9	95
2	9H-Fluoren-9-one	180	C13H8O	000486-25-9	94
3	9H-Fluoren-9-one	180	C13H8O	000486-25-9	93
4	Benzo[h]cinnoline	180	C12H8N2	000230-31-9	83
5	1H-Phenalen-1-one	180	C13H8O	000548-39-0	64





Data Path : Z:\HPCHEM1\BNA_M\DATA\BM090716\
Data File : BM007451.D
Acq On : 07 Sep 2016 22:30
Operator : UM/SJ
Sample : H4666-05
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BD3A3

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM082316.M
Quant Title : SVOA CALIBRATION

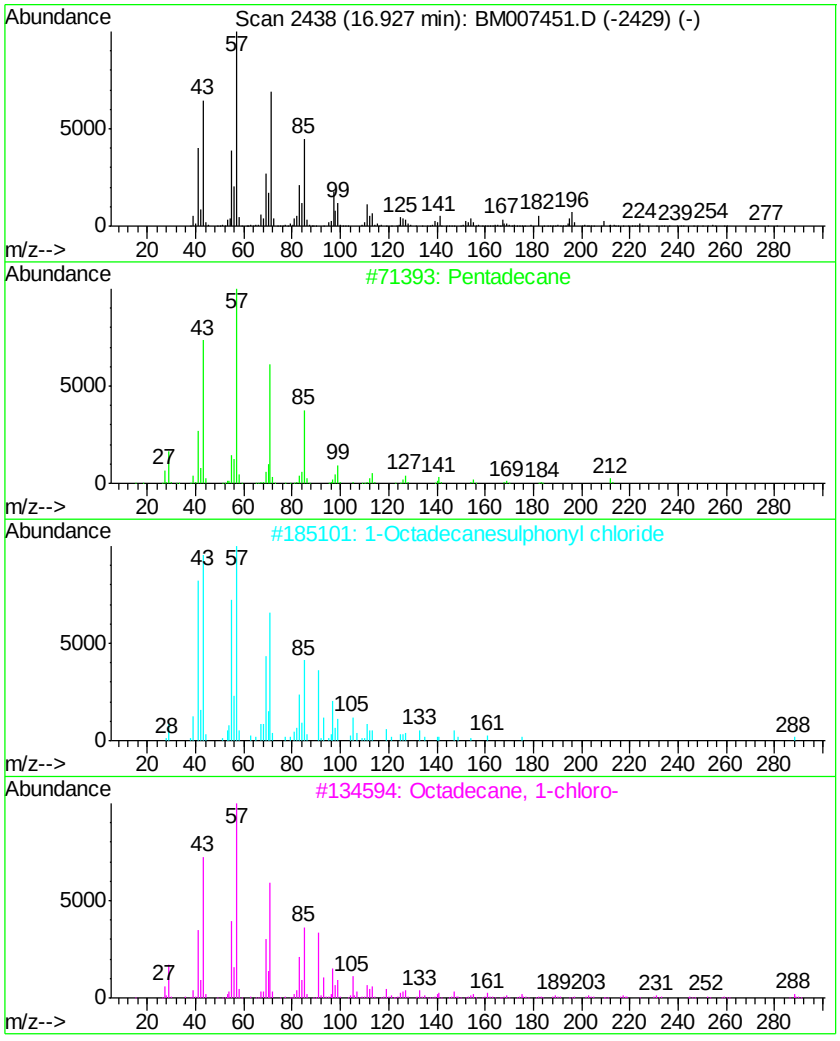
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

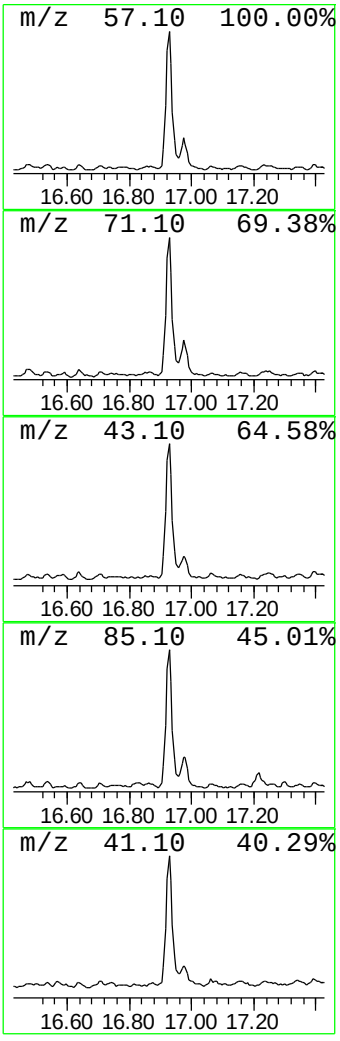
****

Peak Number 23 (DEL) Alkane: Straight-Chai... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.93	14.43 ng/ul	4398530	Phenanthrene-d10	17.17

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentadecane	212	C15H32	000629-62-9	91
2	1-Octadecanesulphonyl chloride	352	C18H37ClO2S	1000342-70-4	91
3	Octadecane, 1-chloro-	288	C18H37Cl	003386-33-2	91
4	Tritetracontane	605	C43H88	007098-21-7	91
5	Tetratetracontane	619	C44H90	007098-22-8	91





Data Path : Z:\HPCHEM1\BNA_M\DATA\BM090716\
Data File : BM007451.D
Acq On : 07 Sep 2016 22:30
Operator : UM/SJ
Sample : H4666-05
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BD3A3

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM082316.M
Quant Title : SVOA CALIBRATION

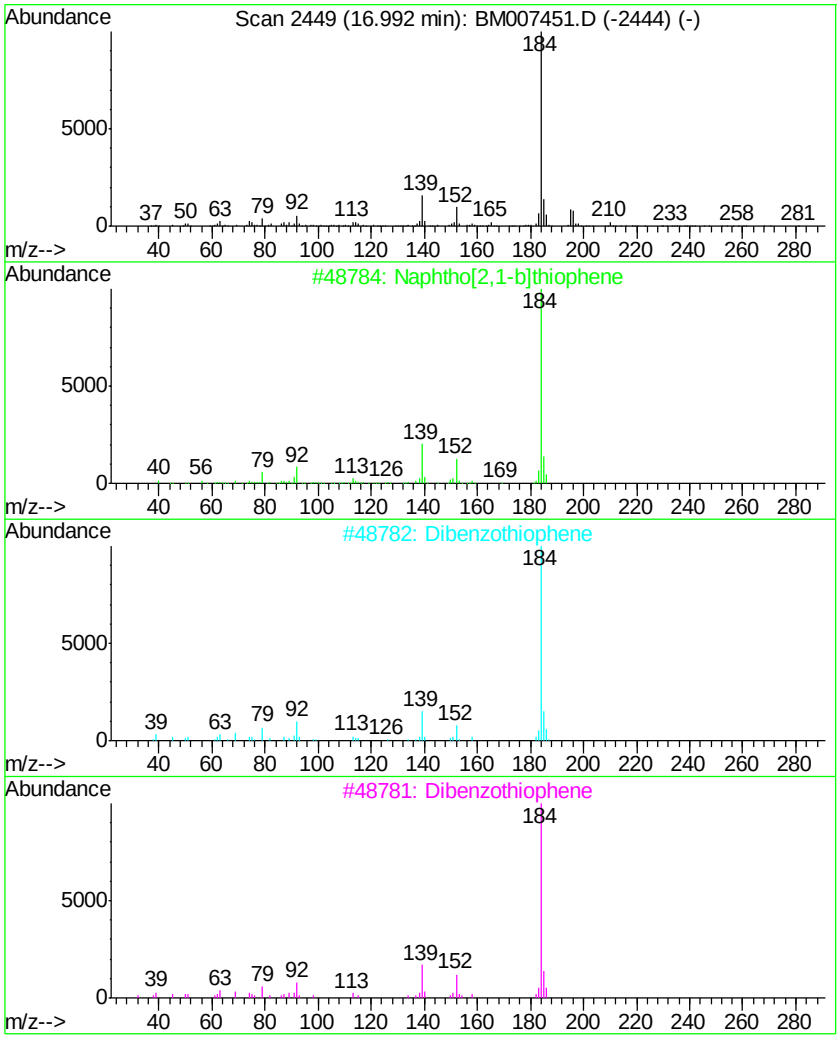
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

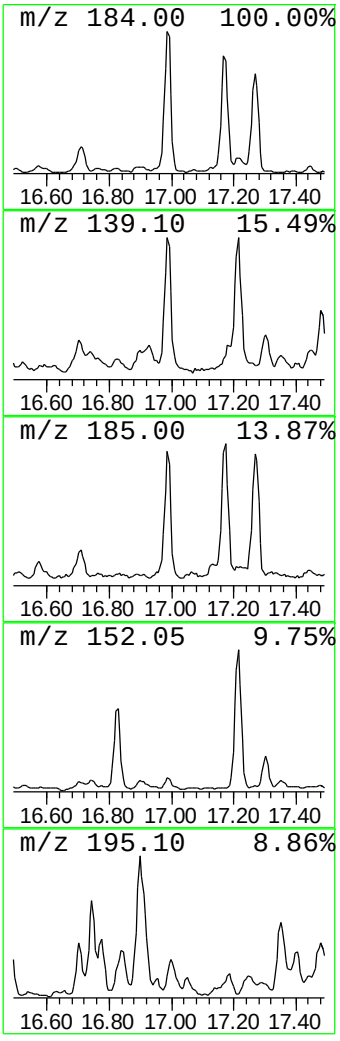
****

Peak Number 24 Naphtho[2,1-b]thiophene Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.99	6.00 ng/ul	1828780	Phenanthrene-d10	17.17

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





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM090716\
Data File : BM007451.D
Acq On : 07 Sep 2016 22:30
Operator : UM/SJ
Sample : H4666-05
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BD3A3

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM082316.M
Quant Title : SVOA CALIBRATION

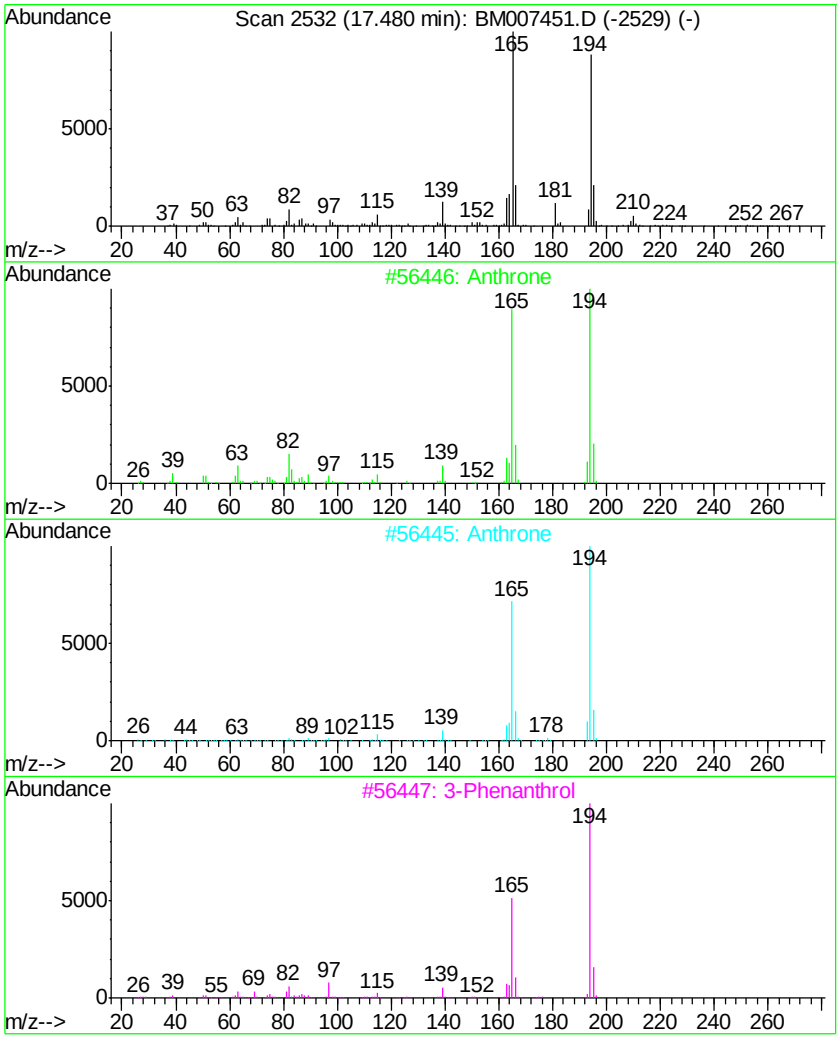
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

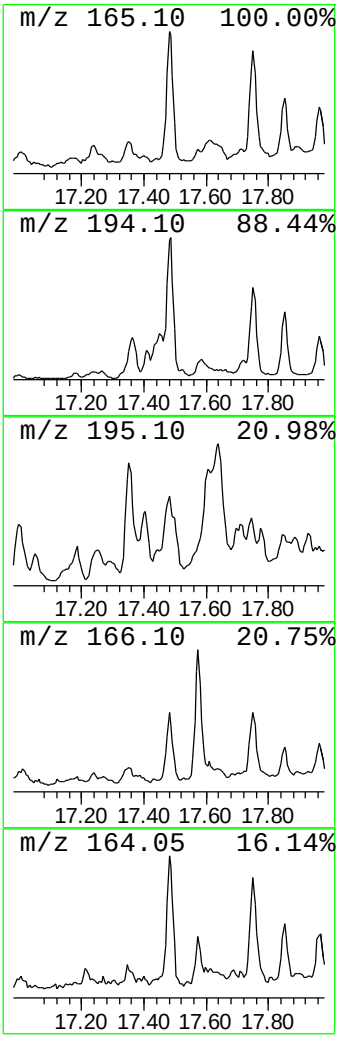
****

Peak Number 25 Anthrone Concentration Rank 35

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.48	3.07 ng/ul	934495	Phenanthrene-d10	17.17

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthrone	194	C14H10O	000090-44-8	90
2	Anthrone	194	C14H10O	000090-44-8	87
3	3-Phenanthrol	194	C14H10O	000605-87-8	87
4	9H-Fluoren-9-one, hydrazone	194	C13H10N2	013629-22-6	86
5	Anthrone	194	C14H10O	000090-44-8	83





Data Path : Z:\HPCHEM1\BNA_M\DATA\BM090716\
Data File : BM007451.D
Acq On : 07 Sep 2016 22:30
Operator : UM/SJ
Sample : H4666-05
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BD3A3

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM082316.M
Quant Title : SVOA CALIBRATION

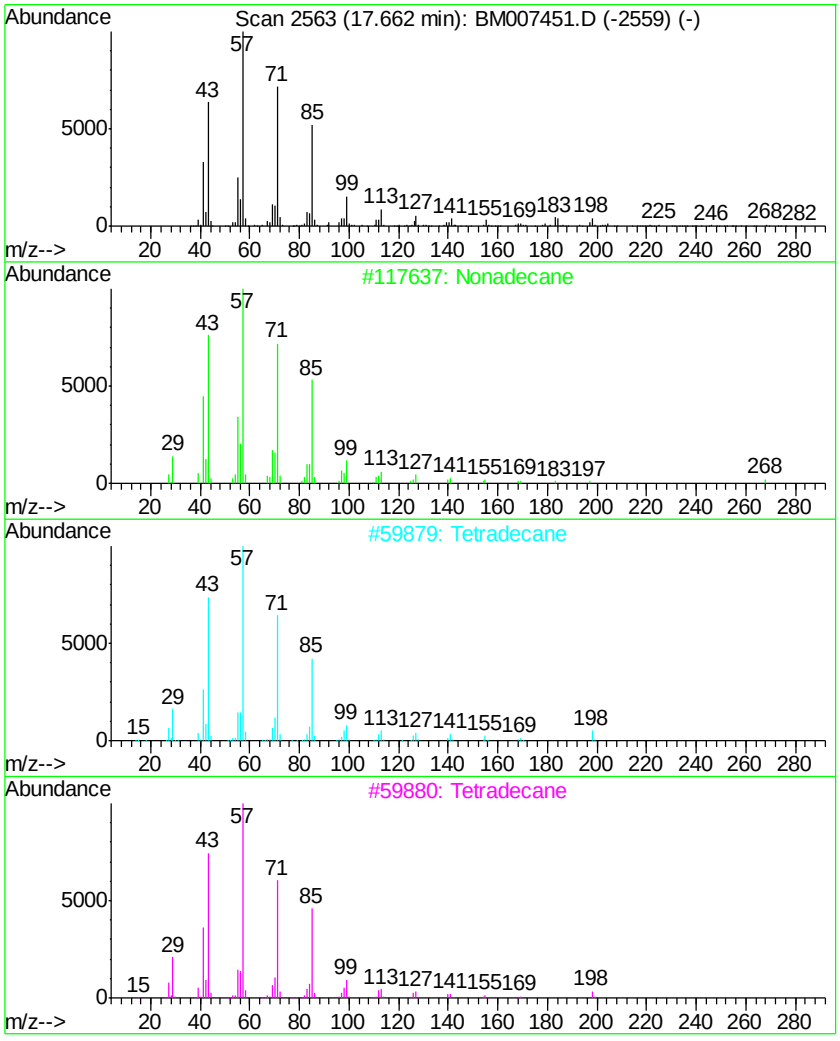
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

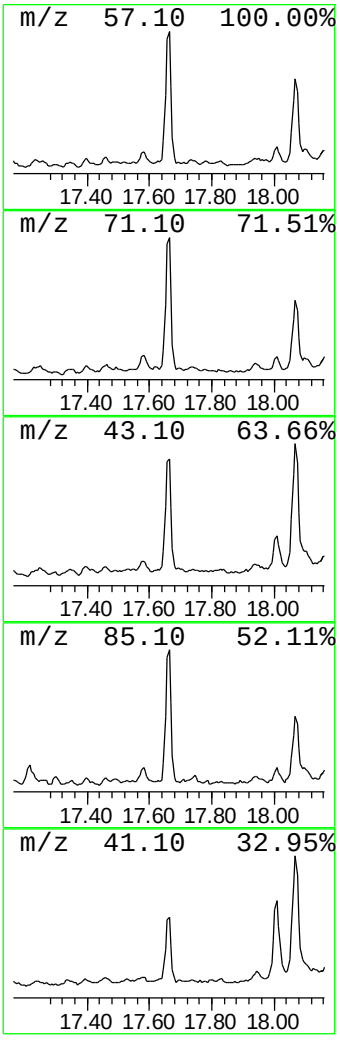
****

Peak Number 26 (DEL) Alkane: Straight-Chai... Concentration Rank 34

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.66	3.12 ng/ul	950074	Phenanthrene-d10	17.17

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Nonadecane	268	C19H40	000629-92-5	95
2	Tetradecane	198	C14H30	000629-59-4	94
3	Tetradecane	198	C14H30	000629-59-4	94
4	Tetradecane	198	C14H30	000629-59-4	94
5	Heneicosane	296	C21H44	000629-94-7	90





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM090716\
Data File : BM007451.D
Acq On : 07 Sep 2016 22:30
Operator : UM/SJ
Sample : H4666-05
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BD3A3

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM082316.M
Quant Title : SVOA CALIBRATION

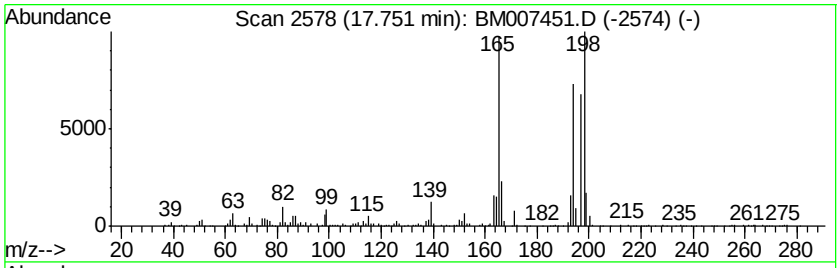
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

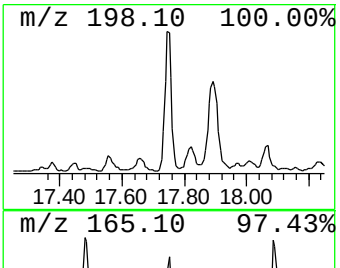
****

Peak Number 27 2-Phenanthrenol Concentration Rank 25

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.75	3.89 ng/ul	1186480	Phenanthrene-d10	17.17

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Phenanthrenol	194	C14H10O	000605-55-0	60
2	1-Phenanthrenol	194	C14H10O	002433-56-9	60
3	Anthrone	194	C14H10O	000090-44-8	60
4	9H-Fluoren-9-one, hydrazone	194	C13H10N2	013629-22-6	53
5	3-Phenanthrol	194	C14H10O	000605-87-8	49





Data Path : Z:\HPCHEM1\BNA_M\DATA\BM090716\
Data File : BM007451.D
Acq On : 07 Sep 2016 22:30
Operator : UM/SJ
Sample : H4666-05
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BD3A3

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM082316.M
Quant Title : SVOA CALIBRATION

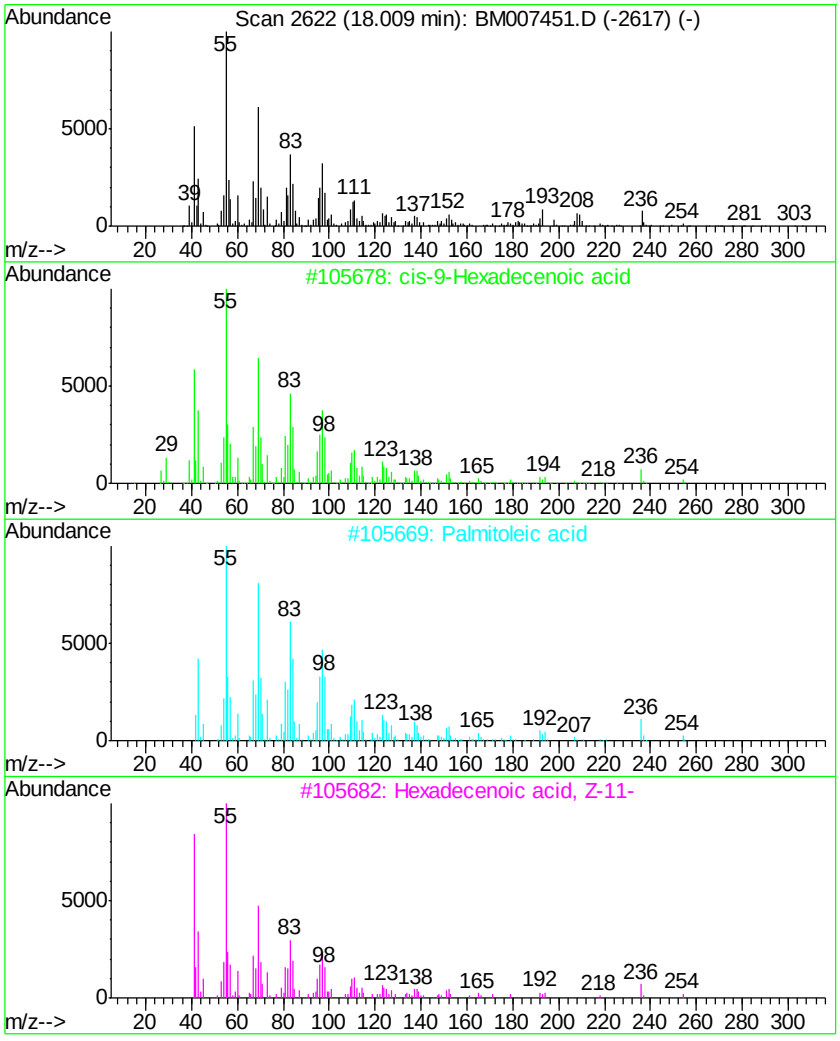
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

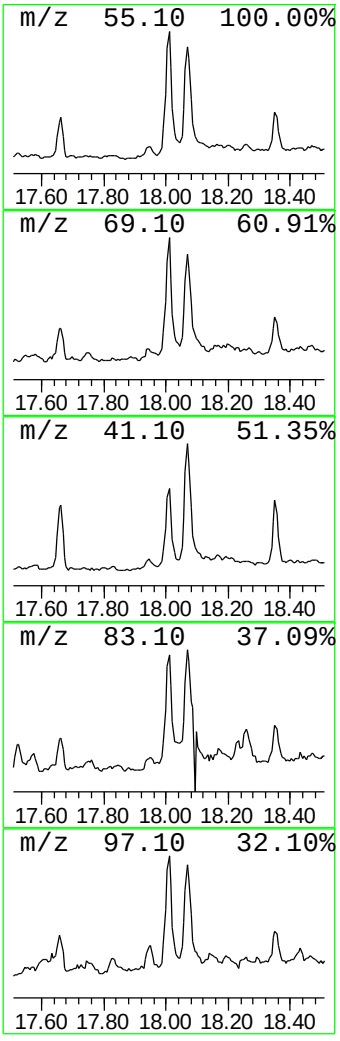
****

Peak Number 28 cis-9-Hexadecenoic acid Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.01	5.67 ng/ul	1726660	Phenanthrene-d10	17.17

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	cis-9-Hexadecenoic acid	254	C16H30O2	1000333-19-5	99
2	Palmitoleic acid	254	C16H30O2	000373-49-9	97
3	Hexadecenoic acid, Z-11-	254	C16H30O2	002416-20-8	91
4	n-Propyl 9-tetradecenoate	268	C17H32O2	1000336-61-7	91
5	cis-13-Octadecenoic acid	282	C18H34O2	013126-39-1	87





Data Path : Z:\HPCHEM1\BNA_M\DATA\BM090716\
Data File : BM007451.D
Acq On : 07 Sep 2016 22:30
Operator : UM/SJ
Sample : H4666-05
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BD3A3

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM082316.M
Quant Title : SVOA CALIBRATION

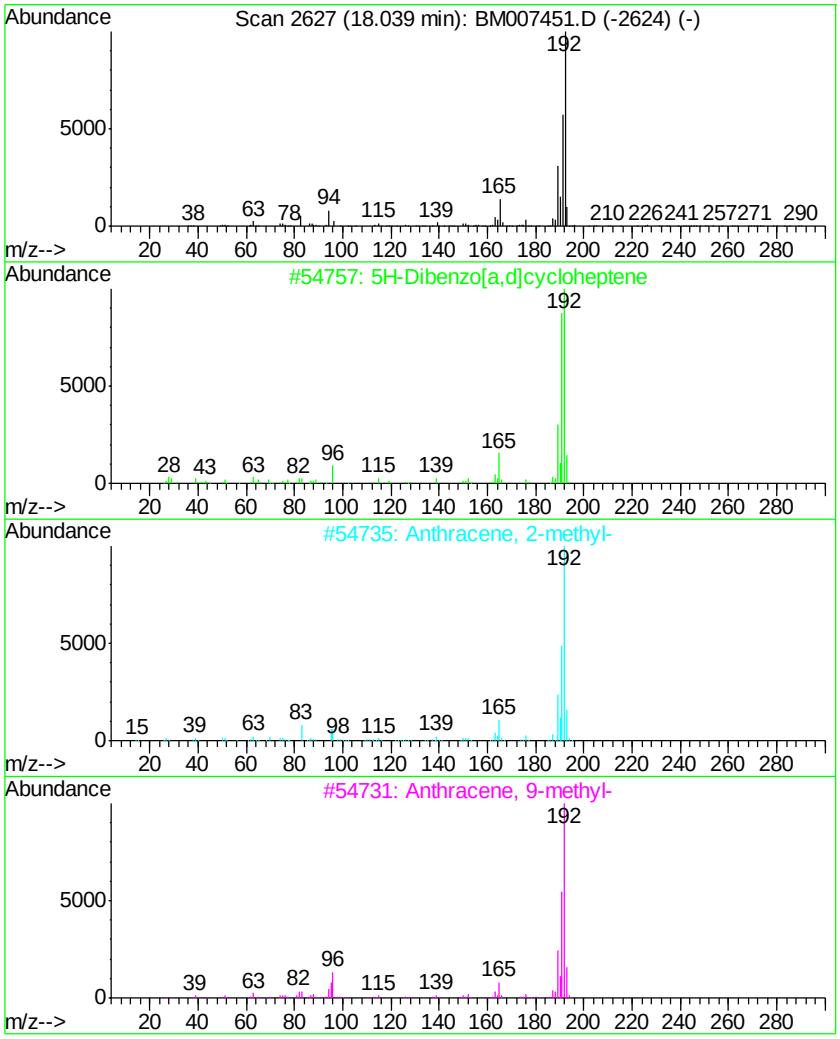
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

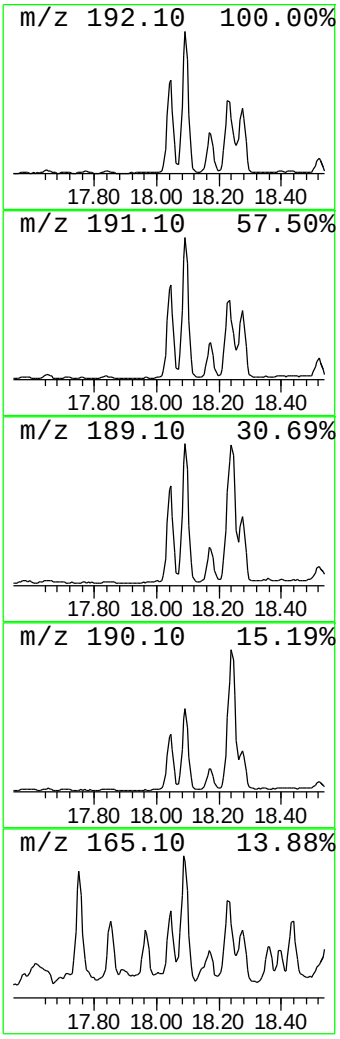
****

Peak Number 29 5H-Dibenzo[a,d]cycloheptene Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.04	8.29 ng/ul	2526910	Phenanthrene-d10	17.17

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	5H-Dibenzo[a,d]cycloheptene	192	C15H12	000256-81-5	94
2	Anthracene, 2-methyl-	192	C15H12	000613-12-7	93
3	Anthracene, 9-methyl-	192	C15H12	000779-02-2	91
4	Anthracene, 1-methyl-	192	C15H12	000610-48-0	90
5	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	90





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM090716\
Data File : BM007451.D
Acq On : 07 Sep 2016 22:30
Operator : UM/SJ
Sample : H4666-05
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BD3A3

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM082316.M
Quant Title : SVOA CALIBRATION

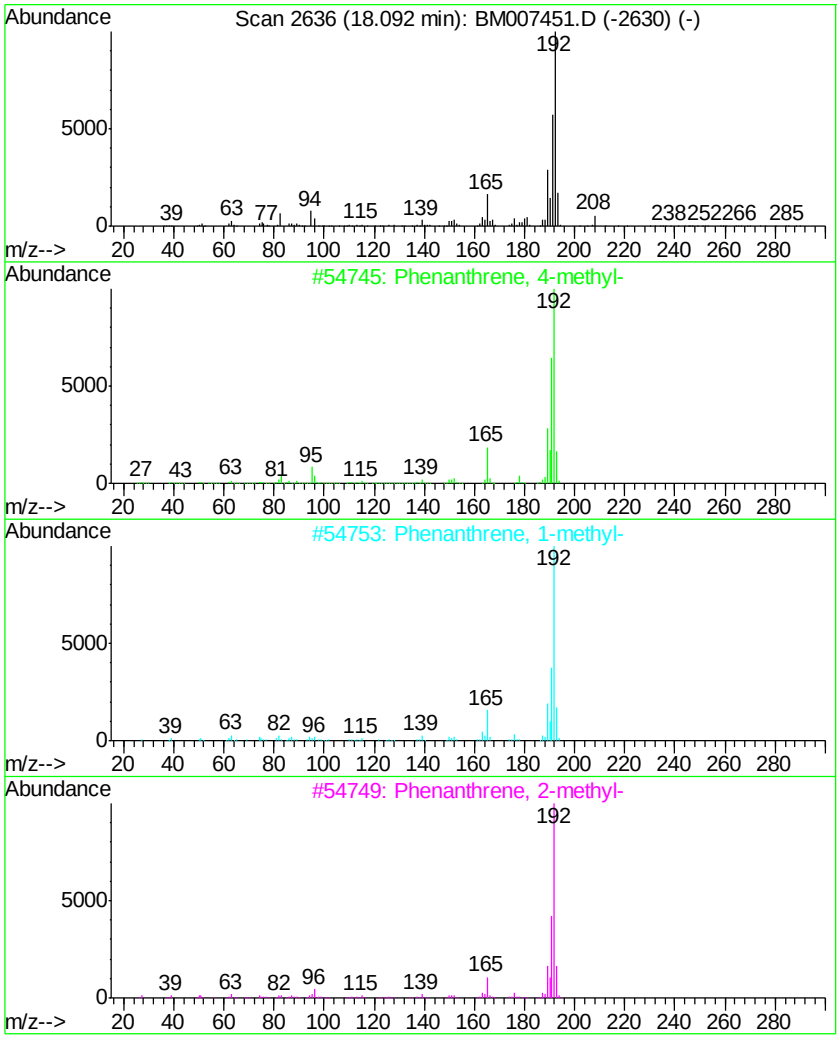
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

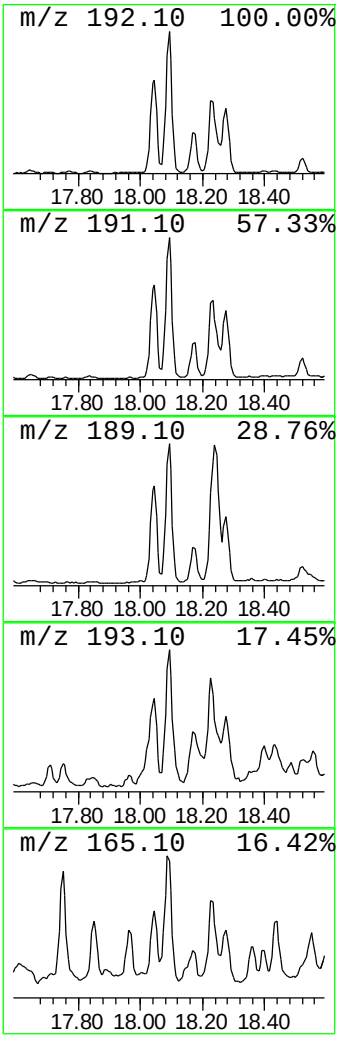
****

Peak Number 30 Phenanthrene, 4-methyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.09	20.96 ng/ul	6387430	Phenanthrene-d10	17.17

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	95
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	93
3	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	93
4	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	91
5	Anthracene, 2-methyl-	192	C15H12	000613-12-7	90





Data Path : Z:\HPCHEM1\BNA_M\DATA\BM090716\
Data File : BM007451.D
Acq On : 07 Sep 2016 22:30
Operator : UM/SJ
Sample : H4666-05
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BD3A3

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM082316.M
Quant Title : SVOA CALIBRATION

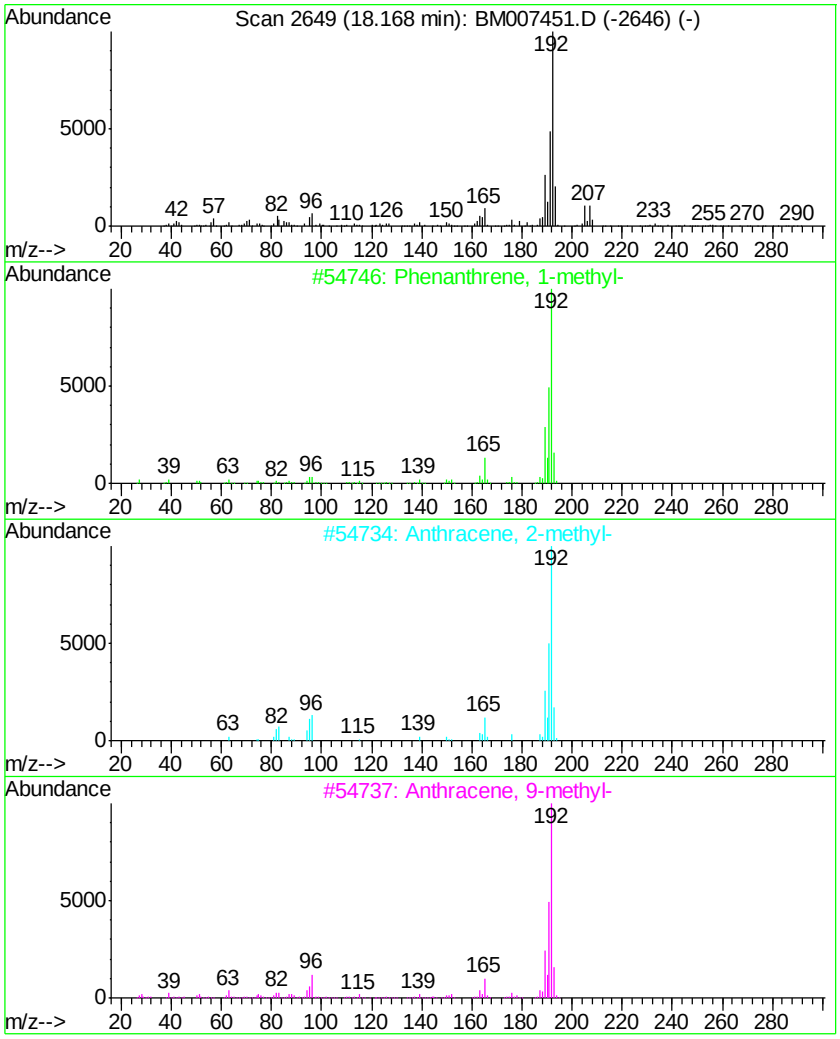
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

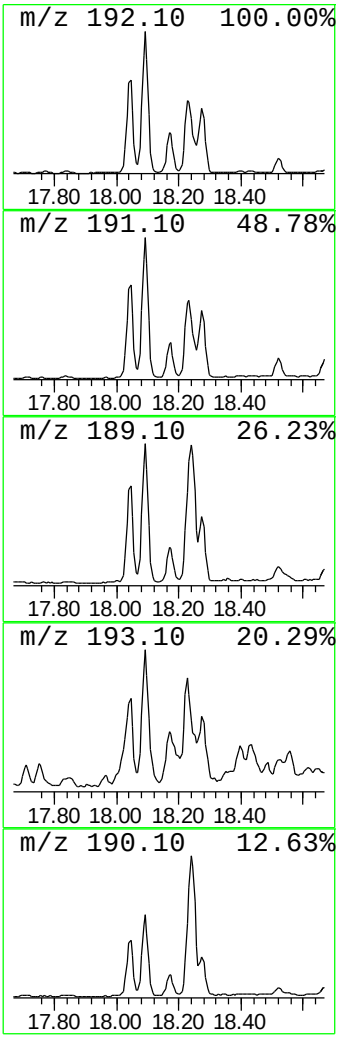
****

Peak Number 31 Phenanthrene, 1-methyl- Concentration Rank 28

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.17	3.85 ng/ul	1172590	Phenanthrene-d10	17.17

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	89
2	Anthracene, 2-methyl-	192	C15H12	000613-12-7	76
3	Anthracene, 9-methyl-	192	C15H12	000779-02-2	76
4	Anthracene, 1-methyl-	192	C15H12	000610-48-0	76
5	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	76





Data Path : Z:\HPCHEM1\BNA_M\DATA\BM090716\
Data File : BM007451.D
Acq On : 07 Sep 2016 22:30
Operator : UM/SJ
Sample : H4666-05
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BD3A3

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM082316.M
Quant Title : SVOA CALIBRATION

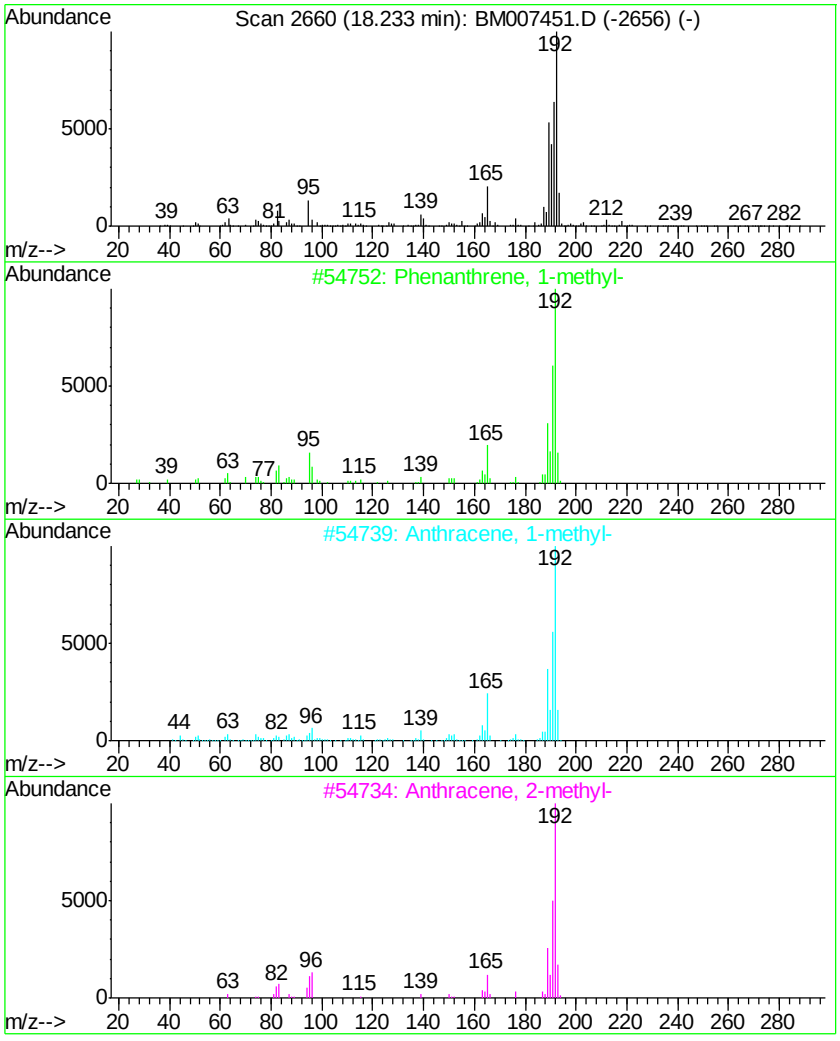
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

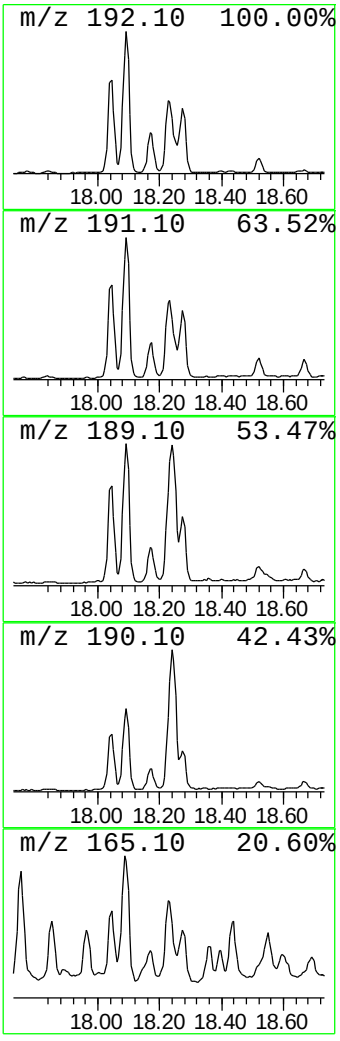
****

Peak Number 32 Anthracene, 1-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.23	10.55 ng/ul	3213350	Phenanthrene-d10	17.17

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	93
2	Anthracene, 1-methyl-	192	C15H12	000610-48-0	78
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	64
4	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	64
5	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	64





Data Path : Z:\HPCHEM1\BNA_M\DATA\BM090716\
Data File : BM007451.D
Acq On : 07 Sep 2016 22:30
Operator : UM/SJ
Sample : H4666-05
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BD3A3

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM082316.M
Quant Title : SVOA CALIBRATION

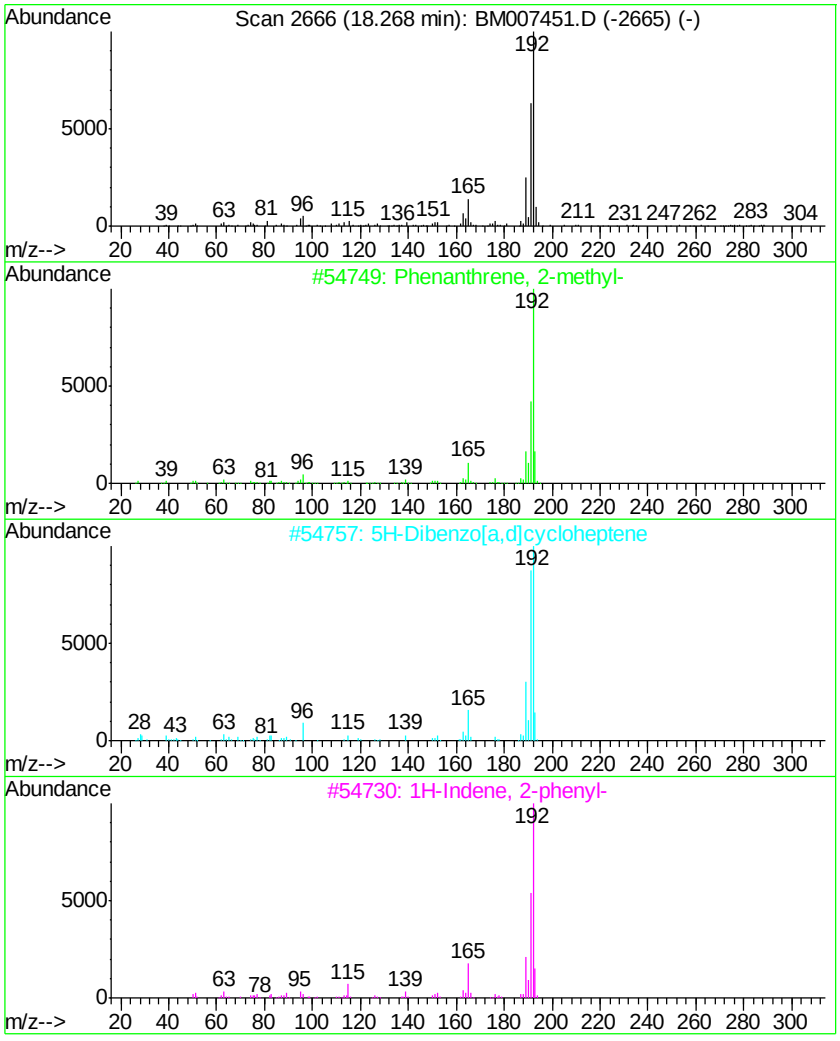
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

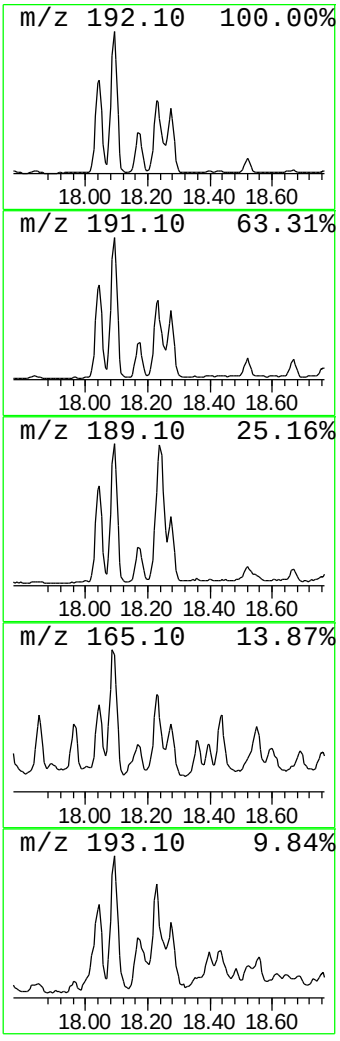
****

Peak Number 33 1H-Indene, 2-phenyl- Concentration Rank 23

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.27	4.06 ng/ul	1236330	Phenanthrene-d10	17.17

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	95
2	5H-Dibenzo[a,d]cycloheptene	192	C15H12	000256-81-5	91
3	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	87
4	Anthracene, 9-methyl-	192	C15H12	000779-02-2	87
5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	83





Data Path : Z:\HPCHEM1\BNA_M\DATA\BM090716\
Data File : BM007451.D
Acq On : 07 Sep 2016 22:30
Operator : UM/SJ
Sample : H4666-05
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BD3A3

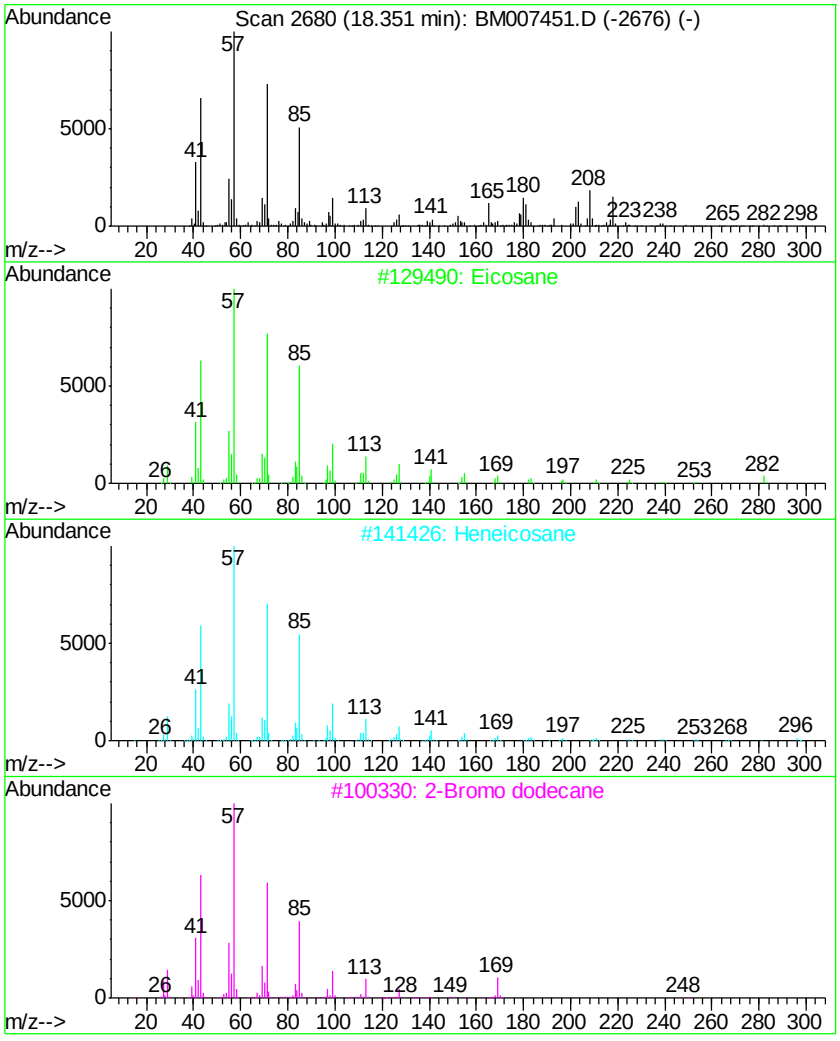
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM082316.M
Quant Title : SVOA CALIBRATION

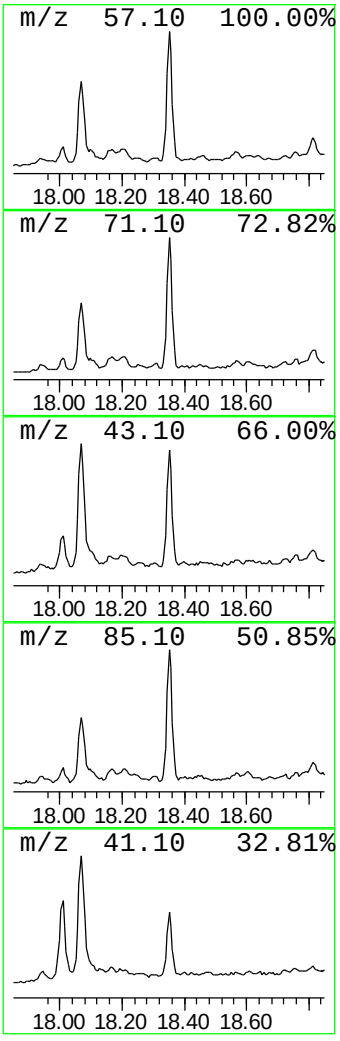
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 34 (DEL) Alkane: Straight-Chai... Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.35	5.85 ng/ul	1781530	Phenanthrene-d10	17.17

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Eicosane	282	C20H42	000112-95-8	95
2	Heneicosane	296	C21H44	000629-94-7	55
3	2-Bromo dodecane	248	C12H25Br	013187-99-0	49
4	Heneicosane	296	C21H44	000629-94-7	49
5	Eicosane, 7-hexyl-	366	C26H54	055333-99-8	49





Data Path : Z:\HPCHEM1\BNA_M\DATA\BM090716\
Data File : BM007451.D
Acq On : 07 Sep 2016 22:30
Operator : UM/SJ
Sample : H4666-05
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BD3A3

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM082316.M
Quant Title : SVOA CALIBRATION

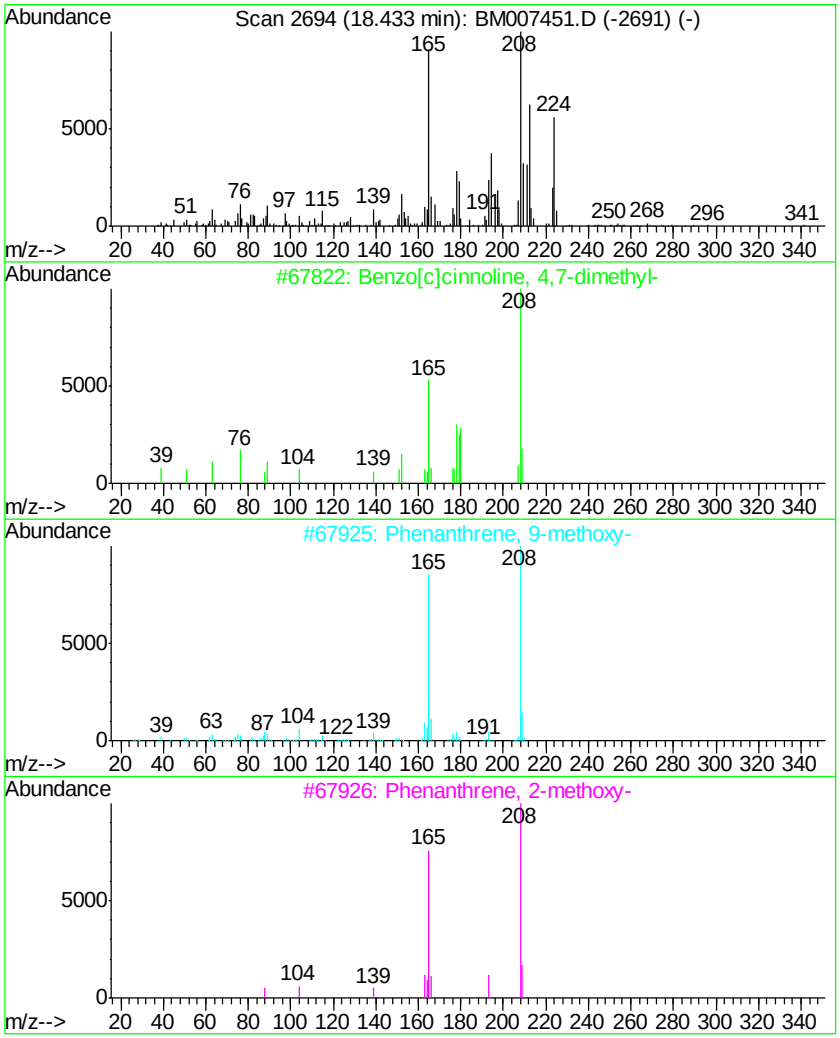
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

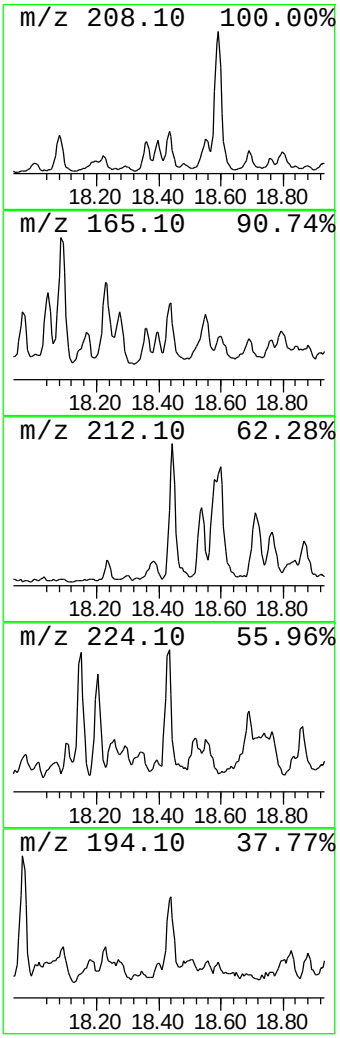
****

Peak Number 35 Benzo[c]cinnoline, 4,7-dime... Concentration Rank 43

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.43	2.72 ng/ul	828250	Phenanthrene-d10	17.17

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[c]cinnoline, 4,7-dimethyl-	208	C14H12N2	020684-54-2	52
2	Phenanthrene, 9-methoxy-	208	C15H12O	005085-74-5	43
3	Phenanthrene, 2-methoxy-	208	C15H12O	013837-48-4	43
4	2-(2-Methylphenyl)benzoic acid	212	C14H12O2	1000305-27-9	42
5	9H-Fluorene, 9-propyl-	208	C16H16	004037-45-0	41





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM090716\
Data File : BM007451.D
Acq On : 07 Sep 2016 22:30
Operator : UM/SJ
Sample : H4666-05
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BD3A3

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM082316.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
Benzene, 1,3-dime...	5.82	4.2	ng/ul	449584	1	7.79	2164440	20.0
1-Propyne, 3-phenyl-	8.33	3.2	ng/ul	342109	1	7.79	2164440	20.0
Sulfurous acid, 2...	11.59	3.0	ng/ul	551527	2	10.57	3699320	20.0
(DEL) Alkane: Str...	11.99	2.5	ng/ul	461118	2	10.57	3699320	20.0
Naphthalene, 2,6-...	13.59	4.2	ng/ul	1195130	3	14.43	5699000	20.0
Naphthalene, 2,3-...	13.75	8.5	ng/ul	2418720	3	14.43	5699000	20.0
Naphthalene, 1,3-...	13.98	3.9	ng/ul	1101970	3	14.43	5699000	20.0
(DEL) Alkane: Str...	14.32	3.0	ng/ul	842910	3	14.43	5699000	20.0
Naphthalene, 2-(1...	14.72	2.2	ng/ul	633171	3	14.43	5699000	20.0
Naphthalene, 2,3,...	14.90	3.0	ng/ul	844873	3	14.43	5699000	20.0
Naphthalene, 1,6,...	15.04	2.9	ng/ul	819691	3	14.43	5699000	20.0
Naphthalene, 1,4,...	15.09	2.6	ng/ul	732455	3	14.43	5699000	20.0
Naphthalene, 1,4,...	15.21	3.9	ng/ul	1100060	3	14.43	5699000	20.0
(DEL) Alkane: Str...	15.27	3.1	ng/ul	889700	3	14.43	5699000	20.0
unknown-01	15.68	3.2	ng/ul	900424	3	14.43	5699000	20.0
Dibenzofuran, 4-m...	15.76	5.2	ng/ul	1484290	3	14.43	5699000	20.0
6H-Dibenzo[b,d]-p...	15.92	6.9	ng/ul	2099410	4	17.17	6094580	20.0
9H-Fluoren-9-ol	16.00	2.8	ng/ul	843054	4	17.17	6094580	20.0
(DEL) Alkane: Str...	16.13	5.0	ng/ul	1508470	4	17.17	6094580	20.0
unknown-02	16.70	2.8	ng/ul	863899	4	17.17	6094580	20.0
9H-Fluoren-9-one	16.83	7.5	ng/ul	2291810	4	17.17	6094580	20.0
(DEL) Alkane: Str...	16.93	14.4	ng/ul	4398530	4	17.17	6094580	20.0
Naphtho[2,1-b]thi...	16.99	6.0	ng/ul	1828780	4	17.17	6094580	20.0
Anthrone	17.48	3.1	ng/ul	934495	4	17.17	6094580	20.0
(DEL) Alkane: Str...	17.66	3.1	ng/ul	950074	4	17.17	6094580	20.0
2-Phenanthrenol	17.75	3.9	ng/ul	1186480	4	17.17	6094580	20.0
cis-9-Hexadecenoi...	18.01	5.7	ng/ul	1726660	4	17.17	6094580	20.0
5H-Dibenzo[a,d]cy...	18.04	8.3	ng/ul	2526910	4	17.17	6094580	20.0
Phenanthrene, 4-m...	18.09	21.0	ng/ul	6387430	4	17.17	6094580	20.0
Phenanthrene, 1-m...	18.17	3.9	ng/ul	1172590	4	17.17	6094580	20.0
Anthracene, 1-met...	18.23	10.6	ng/ul	3213350	4	17.17	6094580	20.0
1H-Indene, 2-phenyl-	18.27	4.1	ng/ul	1236330	4	17.17	6094580	20.0
(DEL) Alkane: Str...	18.35	5.8	ng/ul	1781530	4	17.17	6094580	20.0
Benzo[c]cinnoline...	18.43	2.7	ng/ul	828250	4	17.17	6094580	20.0