LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM090316\
Data File : BM007398.D
Acq On : 03 Sep 2016 09:34
Operator : UM/SJ
Sample : H4639-21
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BD397

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	544	550	555	rBV	70506	113039	1.45%	0.121%
2	6.787	705	714	720	rBV3	44706	91198	1.17%	0.098%
3	6.963	735	744	752	rBV	474386	896744	11.53%	0.961%
4	7.128	766	772	778	rBV	358845	552486	7.10%	0.592%
5	7.328	800	806	816	rVB	491737	800031	10.28%	0.858%
6	7.793	876	885	892	rBV	728657	1255377	16.13%	1.346%
7	8.492	998	1004	1011	rVB	585050	926457	11.91%	0.993%
8	8.945	1075	1081	1088	rBV	499107	853793	10.97%	0.915%
9	9.663	1196	1203	1214	rBV	450269	801004	10.29%	0.859%
10	10.198	1283	1294	1302	rBV	663774	1179042	15.15%	1.264%
11	10.575	1348	1358	1364	rBV	1106149	2052285	26.38%	2.200%
12	10.628	1364	1367	1374	rVV	178459	283659	3.65%	0.304%
13	10.722	1375	1383	1393	rVB3	103685	262393	3.37%	0.281%
14	11.598	1527	1532	1538	rBV	105620	163029	2.10%	0.175%
15	11.998	1594	1600	1606	rBV	97179	145409	1.87%	0.156%
16	12.239	1632	1641	1649	rVB	292836	501937	6.45%	0.538%
17	12.457	1673	1678	1686	rVB	203656	329650	4.24%	0.353%
18	12.957	1759	1763	1768	rVB	74994	107303	1.38%	0.115%
19	13.022	1768	1774	1780	rVB3	49663	92223	1.19%	0.099%
20	13.245	1805	1812	1818	rBV2	182239	319910	4.11%	0.343%
21	13.586	1864	1870	1871	rBV	94041	136871	1.76%	0.147%
22	13.739	1892	1896	1902	rVV	189113	366231	4.71%	0.393%
23	13.798	1902	1906	1907	rVV	167997	224066	2.88%	0.240%
24	13.833	1907	1912	1916	rVV	1451663	2104882	27.05%	2.256%
25	13.880	1916	1920	1928	rVB	1459326	2127288	27.34%	2.280%
26	13.980	1933	1937	1940	rVV	123084	187166	2.41%	0.201%
27	14.116	1954	1960	1974	rVB	1610550	2556917	32.86%	2.741%
28	14.321	1990	1995	2003	rVB	190975	258135	3.32%	0.277%
29	14.427	2003	2013	2019	rBV2	1811412	3098281	39.82%	3.321%
30	14.627	2041	2047	2056	rBV2	328586	640048	8.23%	0.686%
31	14.721	2056	2063	2067	rVV4	68775	148711	1.91%	0.159%
32	14.821	2075	2080	2087	rVV	402018	657925	8.46%	0.705%
33	14.898	2087	2093	2097	rVV	96493	162825	2.09%	0.175%
34	14.945	2097	2101	2110	rVB8	49501	104947	1.35%	0.113%

LSC Area Percent Report

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Data File : BM007398.D
Acq On : 03 Sep 2016 09:34
Operator : UM/SJ
Sample : H4639-21
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BD397

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	15.045	2113	2118	2122	rVV	94697	153117	1.97%	0.164%
36	15.092	2122	2126	2130	rVB	104884	139714	1.80%	0.150%
37	15.210	2141	2146	2150	rBV4	134512	221710	2.85%	0.238%
38	15.274	2153	2157	2162	rVB	243390	313788	4.03%	0.336%
39	15.345	2163	2169	2173	rBV6	50279	112240	1.44%	0.120%
40	15.416	2174	2181	2186	rVV	2116005	3137713	40.33%	3.364%
41	15.463	2186	2189	2193	rVB3	132231	174143	2.24%	0.187%
42	15.539	2197	2202	2207	rVB	565693	788817	10.14%	0.846%
43	15.680	2219	2226	2231	rVB4	129726	241389	3.10%	0.259%
44	15.763	2234	2240	2247	rVB	195618	354759	4.56%	0.380%
45	15.839	2247	2253	2258	rBV7	39429	112232	1.44%	0.120%
46	15.916	2259	2266	2273	rVB	196325	480586	6.18%	0.515%
47	15.998	2274	2280	2288	rVB4	94127	229873	2.95%	0.246%
48	16.074	2288	2293	2298	rBV8	47825	100244	1.29%	0.107%
49	16.133	2298	2303	2305	rBV	399874	559561	7.19%	0.600%
50	16.704	2394	2400	2403	rBV2	166865	297153	3.82%	0.319%
51	16.739	2404	2406	2410	rVB2	90866	108544	1.40%	0.116%
52	16.821	2416	2420	2427	rVV	405763	609495	7.83%	0.653%
53	16.927	2427	2438	2444	rVV2	1205190	2025056	26.03%	2.171%
54	16.980	2444	2447	2458	rVB4	199013	394047	5.06%	0.422%
55	17.168	2473	2479	2483	rBV	2674007	3922638	50.41%	4.205%
56	17.210	2483	2486	2490	rVB	964664	1228622	15.79%	1.317%
57	17.268	2490	2496	2500	rBV	2270305	3406112	43.78%	3.651%
58	17.351	2506	2510	2515	rBV3	96515	170115	2.19%	0.182%
59	17.451	2523	2527	2529	rBV3	87531	131539	1.69%	0.141%
60	17.480	2529	2532	2537	rVB2	181566	262453	3.37%	0.281%
61	17.574	2544	2548	2551	rBV	98576	127598	1.64%	0.137%
62	17.662	2559	2563	2573	rVB2	365553	526152	6.76%	0.564%
63	17.745	2573	2577	2581	rBV	185925	250405	3.22%	0.268%
64	17.945	2607	2611	2612	rBV4	68101	92575	1.19%	0.099%
65	17.998	2617	2620	2624	rBV2	222298	301564	3.88%	0.323%
66	18.062	2624	2631	2633	rVV2	862996	1511562	19.43%	1.620%
67	18.086	2633	2635	2640	rVB	670514	859151	11.04%	0.921%
68	18.227	2655	2659	2664	rBV2	310949	473450	6.08%	0.508%
69	18.274	2664	2667	2673	rVB	256038	343964	4.42%	0.369%
70	18.351	2674	2680	2684	rBV2	481511	739763	9.51%	0.793%
71	18.392	2684	2687	2690	rVV4	113716	151156	1.94%	0.162%

LSC Area Percent Report

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Acq On : 03 Sep 2016 09:34
Operator : UM/SJ
Sample : H4639-21
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BD397

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	18.433	2691	2694	2698	rVB2	149375	198717	2.55%	0.213%
73	18.545	2709	2713	2716	rBV	398454	526572	6.77%	0.564%
74	18.586	2716	2720	2727	rVB	298408	480923	6.18%	0.516%
75	18.786	2751	2754	2758	rVB3	213680	242529	3.12%	0.260%
76	18.839	2760	2763	2766	rVV	225422	299123	3.84%	0.321%
77	18.880	2767	2770	2773	rVB	201737	244317	3.14%	0.262%
78	18.962	2780	2784	2786	rBV	496117	708671	9.11%	0.760%
79	19.051	2796	2799	2803	rVB	204981	249806	3.21%	0.268%
80	19.104	2804	2808	2814	rVV	347686	549363	7.06%	0.589%
81	19.221	2824	2828	2835	rVB	1861690	2628043	33.78%	2.817%
82	19.286	2836	2839	2843	rVV	252351	306634	3.94%	0.329%
83	19.339	2843	2848	2857	rVB5	322844	622770	8.00%	0.668%
84	19.562	2880	2886	2889	rBV2	3884032	5632536	72.39%	6.038%
85	19.662	2899	2903	2909	rVB2	321742	481124	6.18%	0.516%
86	19.903	2940	2944	2948	rBV3	359677	689670	8.86%	0.739%
87	20.098	2975	2977	2982	rVB	358994	429872	5.52%	0.461%
88	20.486	3041	3043	3049	rVB2	375795	394771	5.07%	0.423%
89	20.598	3059	3062	3065	rVB	504121	548823	7.05%	0.588%
90	20.833	3098	3102	3107	rBV	790616	1095514	14.08%	1.174%
91	21.062	3137	3141	3148	rVB2	941879	1451376	18.65%	1.556%
92	21.127	3150	3152	3157	rVB2	381572	471604	6.06%	0.506%
93	21.350	3184	3190	3195	rBV2	4195174	7780751	100.00%	8.341%
94	21.497	3212	3215	3217	rBV	314592	336896	4.33%	0.361%
95	22.939	3452	3460	3466	rBV2	1574030	4242931	54.53%	4.548%
96	23.427	3539	3543	3547	rBV	564034	947907	12.18%	1.016%
97	23.480	3547	3552	3558	rVB2	2378272	4159801	53.46%	4.459%
98	23.627	3570	3577	3583	rBV	2415391	4707204	60.50%	5.046%
99	24.139	3660	3664	3672	rVB	652776	1324623	17.02%	1.420%
100	26.703	4094	4100	4112	rVB4	674900	1975837	25.39%	2.118%

Sum of corrected areas: 93282970

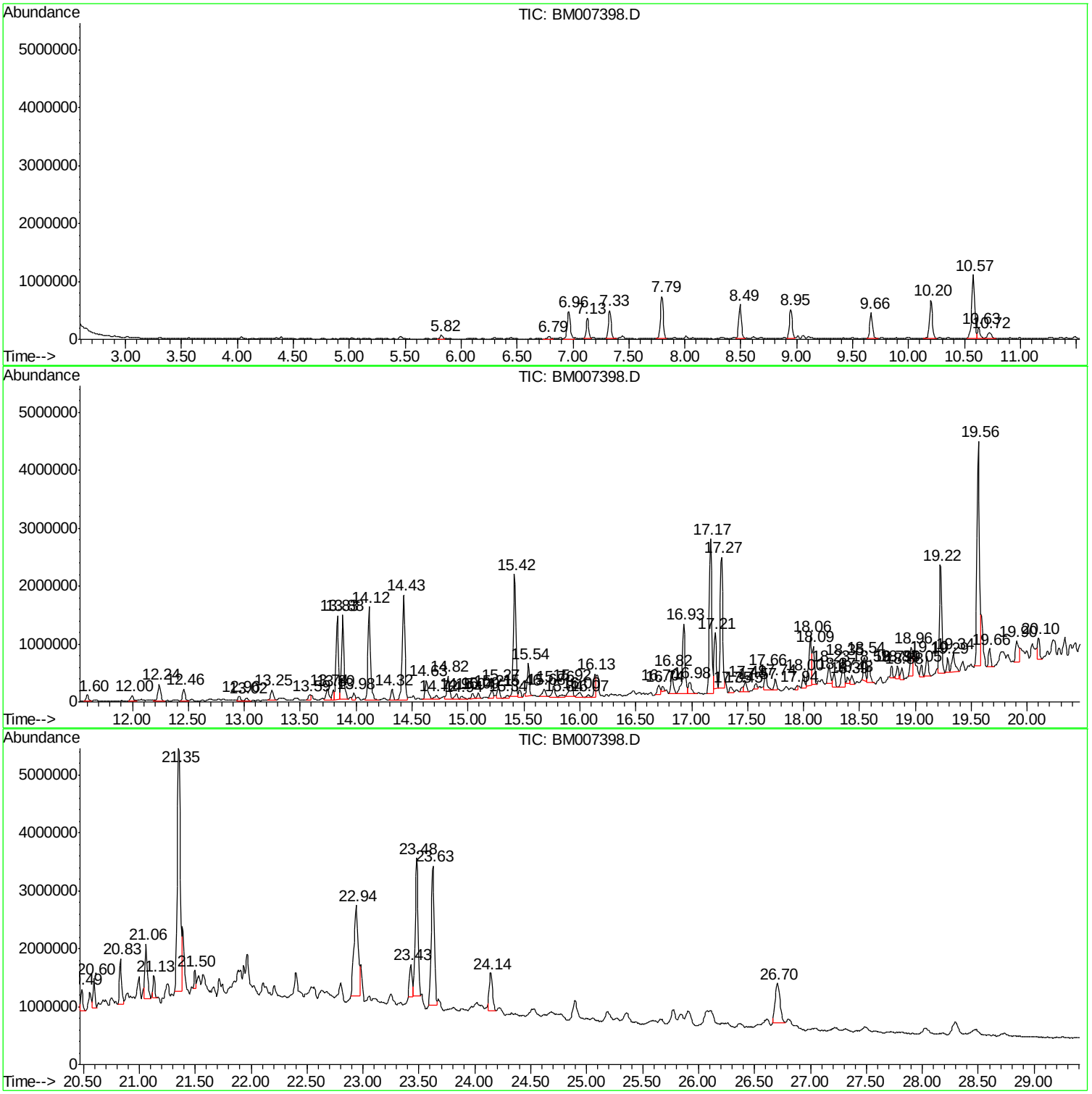
LSC Report - Integrated Chromatogram

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM090316\
Data File : BM007398.D
Acq On : 03 Sep 2016 09:34
Operator : UM/SJ
Sample : H4639-21
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BD397

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



Data Path : Z:\HPCHEM1\BNA_M\DATA\BM090316\
Data File : BM007398.D
Acq On : 03 Sep 2016 09:34
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Instrument : BNA_M
ClientSampleId : BD397

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

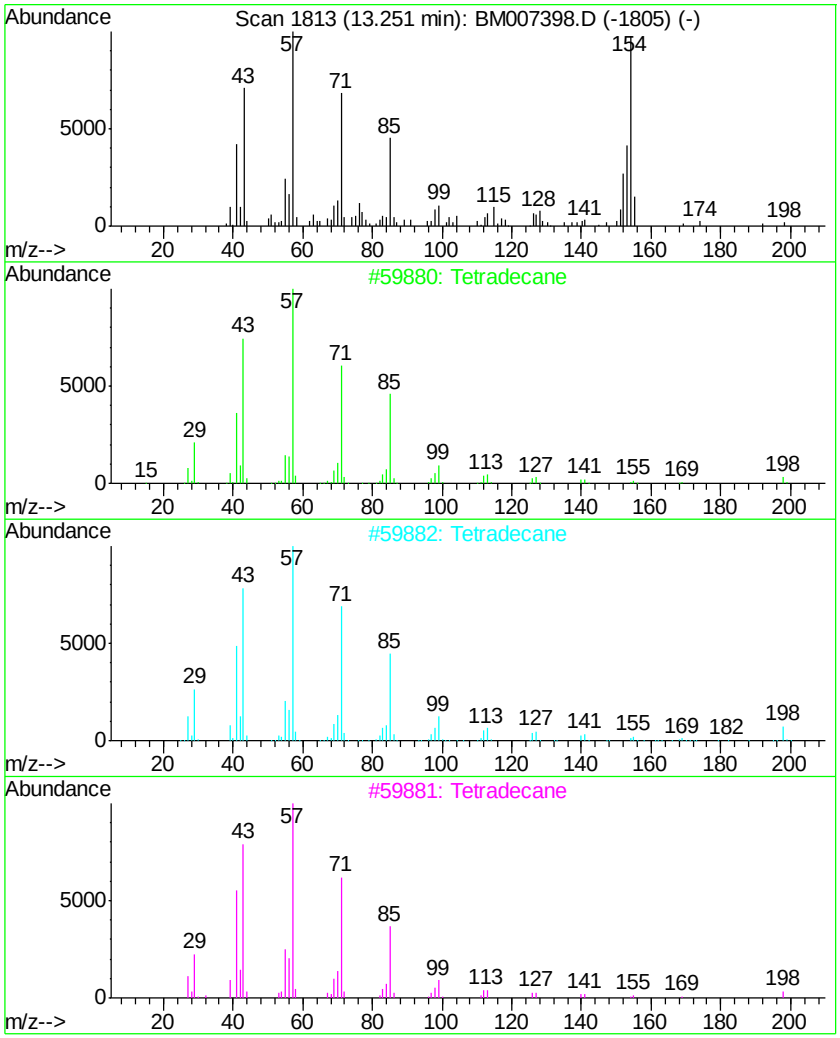
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

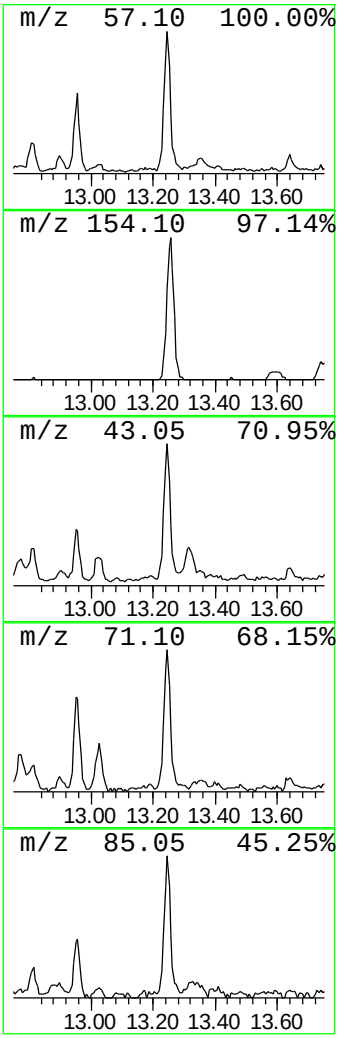
****

Peak Number 2 (DEL) Alkane: Straight-Chai... Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.25	2.07 ng/ul	319910	Acenaphthene-d10	14.42

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tetradecane	198	C14H30	000629-59-4	91
2	Tetradecane	198	C14H30	000629-59-4	89
3	Tetradecane	198	C14H30	000629-59-4	89
4	Hexadecane	226	C16H34	000544-76-3	50
5	Pentadecane	212	C15H32	000629-62-9	46





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM090316\
Data File : BM007398.D
Acq On : 03 Sep 2016 09:34
Operator : UM/SJ
Sample : H4639-21
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BD397

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

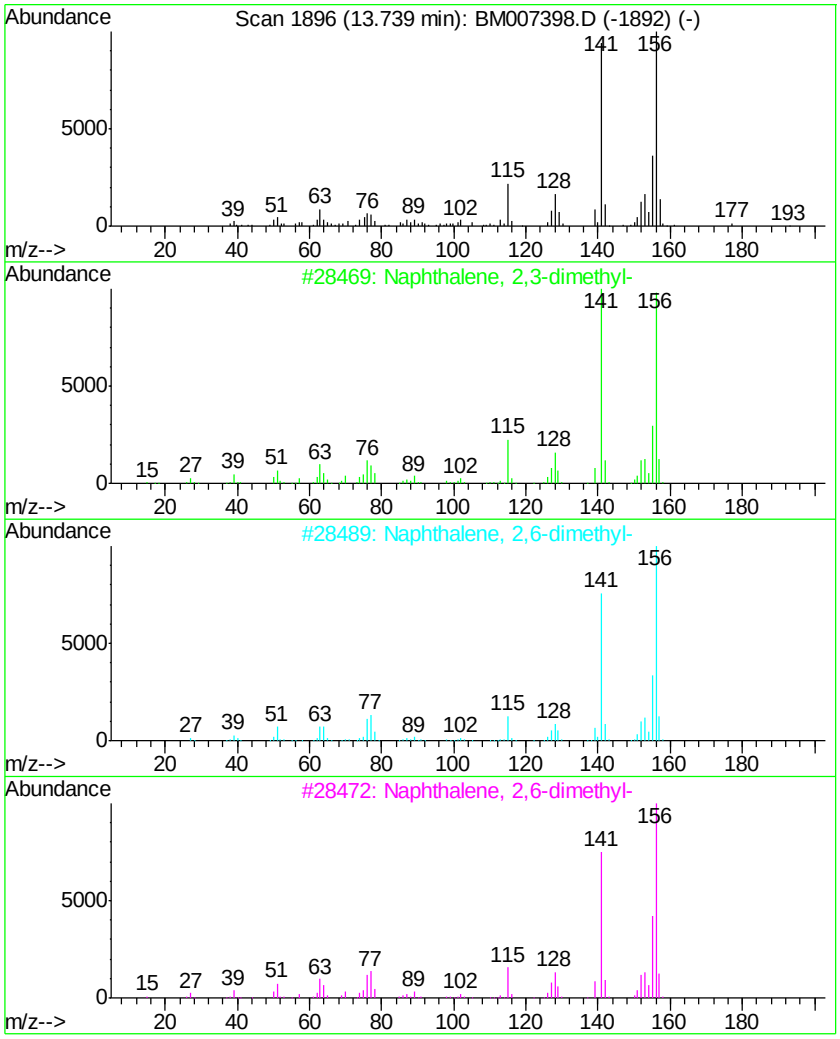
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

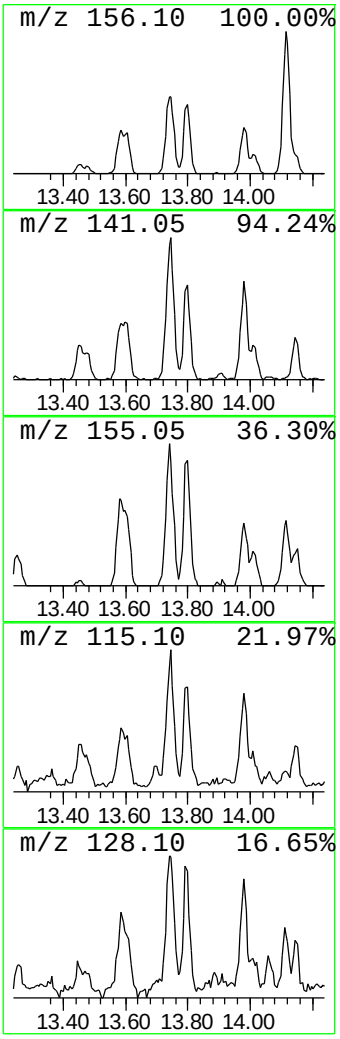
****

Peak Number 3 Naphthalene, 2,3-dimethyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.74	2.36 ng/ul	366231	Acenaphthene-d10	14.42

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	97
2	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	97
3	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	97
4	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	96
5	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	96





Data Path : Z:\HPCHEM1\BNA_M\DATA\BM090316\
Data File : BM007398.D
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Operator : UM/SJ
Sample : H4639-21
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BD397

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

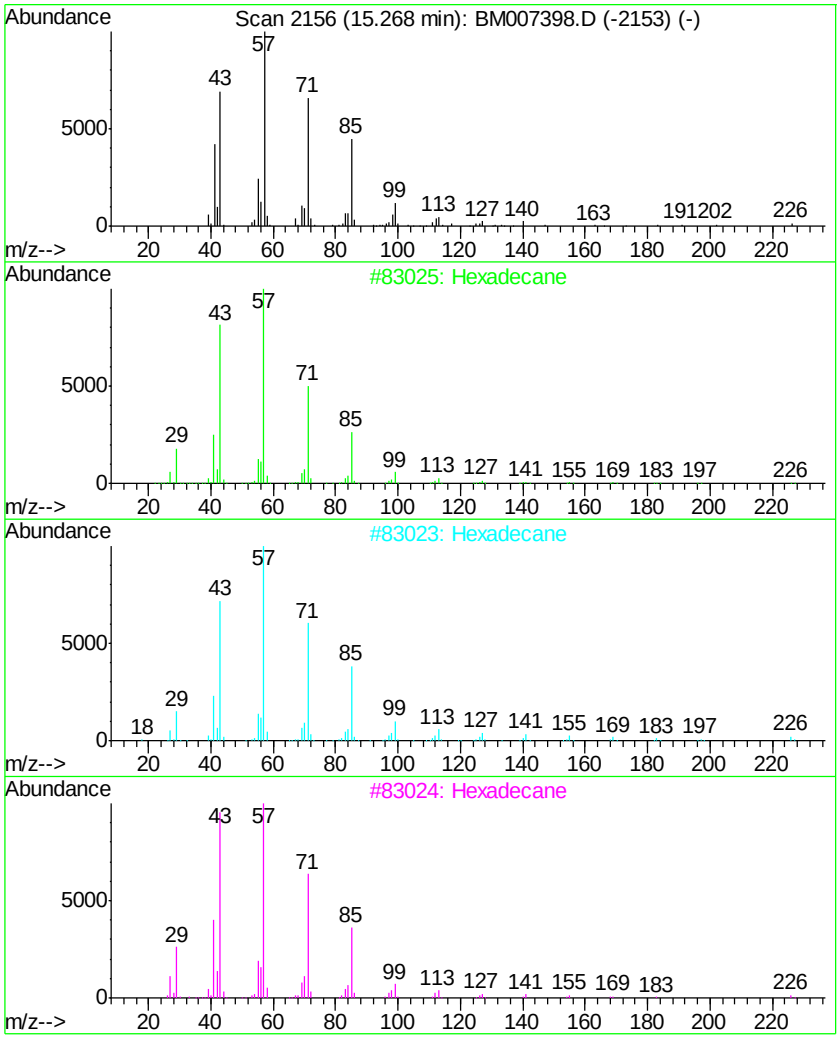
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

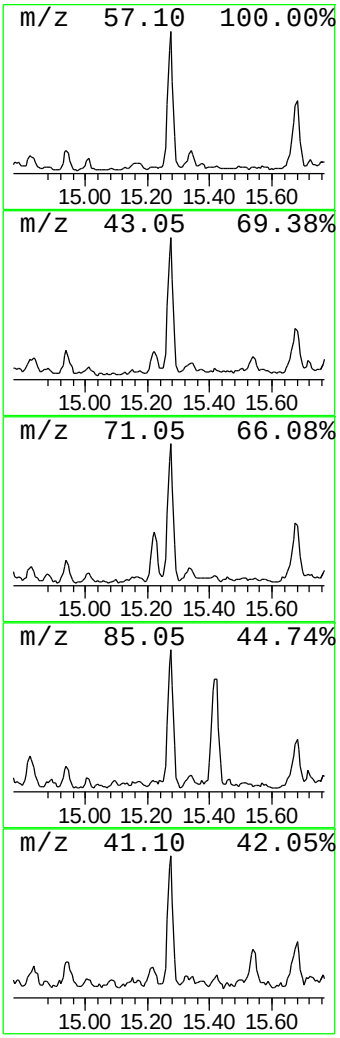
****

Peak Number 4 (DEL) Alkane: Straight-Chai... Concentration Rank 23

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.27	2.03 ng/ul	313788	Acenaphthene-d10	14.42

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexadecane	226	C16H34	000544-76-3	94
2	Hexadecane	226	C16H34	000544-76-3	93
3	Hexadecane	226	C16H34	000544-76-3	91
4	Hexadecane	226	C16H34	000544-76-3	91
5	Hexadecane	226	C16H34	000544-76-3	90





Data Path : Z:\HPCHEM1\BNA_M\DATA\BM090316\
Data File : BM007398.D
Acq On : 03 Sep 2016 09:34
Operator : UM/SJ
Sample : H4639-21
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BD397

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

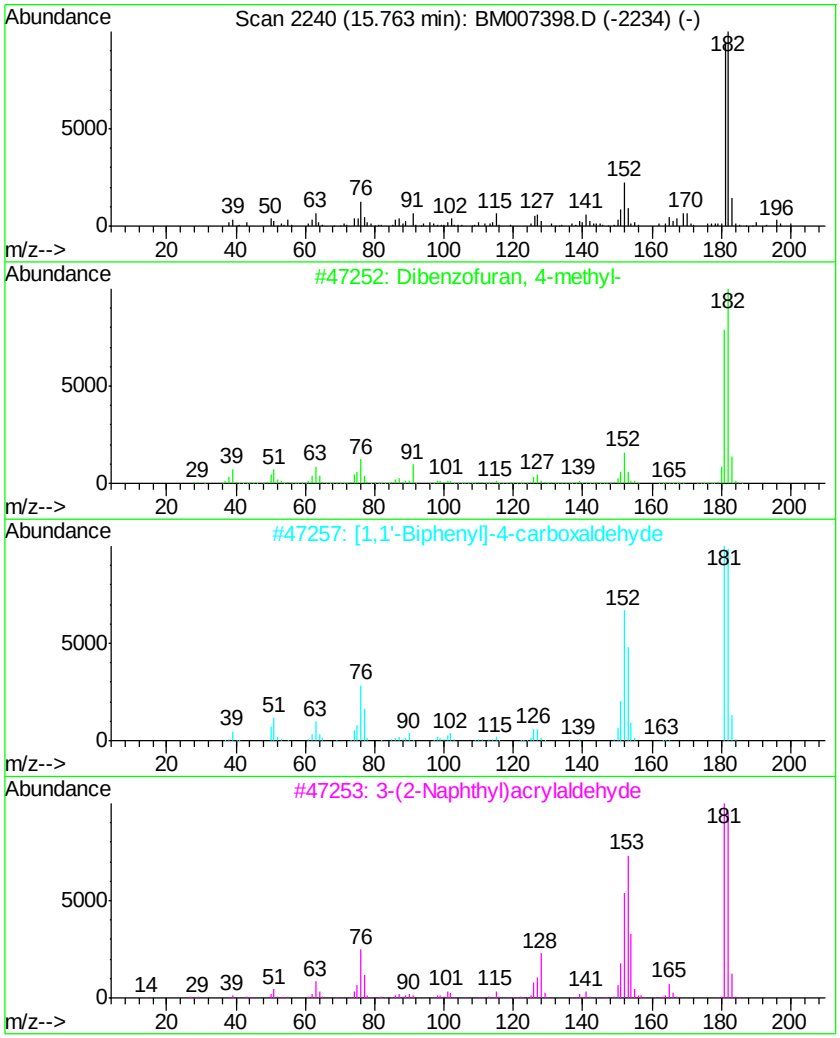
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

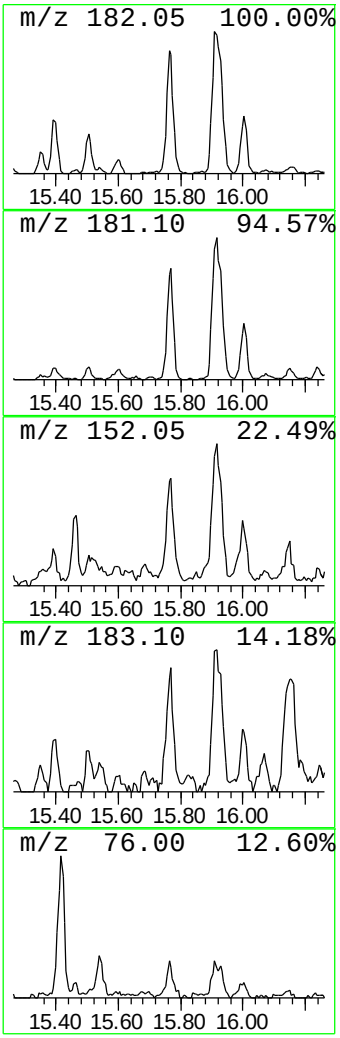
****

Peak Number 5 Dibenzofuran, 4-methyl- Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.76	2.29 ng/ul	354759	Acenaphthene-d10	14.42

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzofuran, 4-methyl-	182	C13H10O	007320-53-8	94
2	[1,1'-Biphenyl]-4-carboxaldehyde	182	C13H10O	003218-36-8	83
3	3-(2-Naphthyl)acrylaldehyde	182	C13H10O	020884-05-3	83
4	2,3-Dihydro-1-oxo-1H-phenalene	182	C13H10O	000518-85-4	78
5	[1,1'-Biphenyl]-4-carboxaldehyde	182	C13H10O	003218-36-8	74





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM090316\
Data File : BM007398.D
Acq On : 03 Sep 2016 09:34
Operator : UM/SJ
Sample : H4639-21
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BD397

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

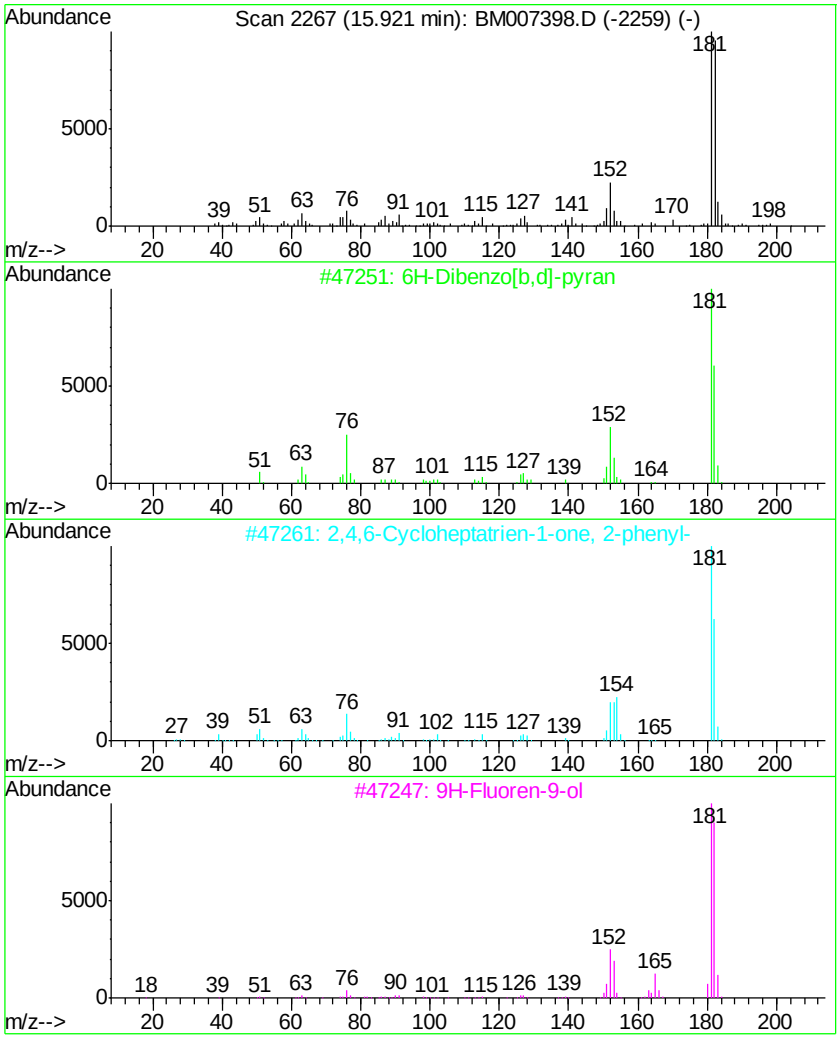
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

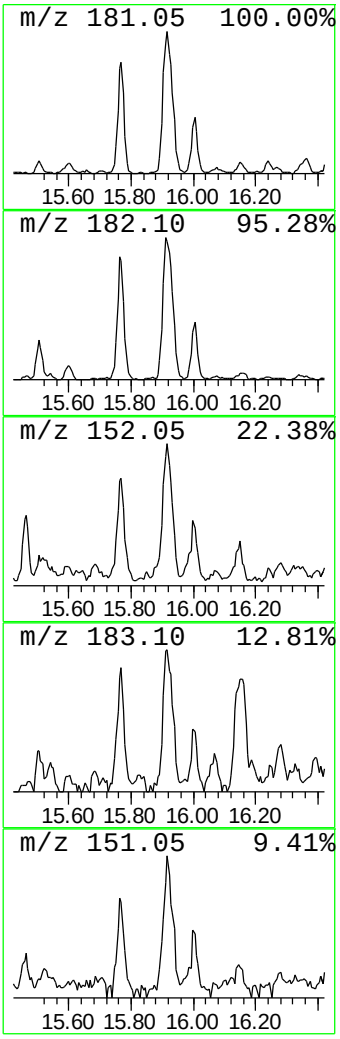
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.92	2.45 ng/ul	480586	Phenanthrene-d10	17.17

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	6H-Dibenzo[b,d]-pyran	182	C13H10O	000229-95-8	94
2	2,4,6-Cycloheptatrien-1-one, 2-p...	182	C13H10O	014562-09-5	91
3	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	90
4	2,4,6-Cycloheptatrien-1-one, 2-p...	182	C13H10O	014562-09-5	90
5	[1,1'-Biphenyl]-4-carboxaldehyde	182	C13H10O	003218-36-8	78





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Acq On : 03 Sep 2016 09:34
Operator : UM/SJ
Sample : H4639-21
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BD397

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

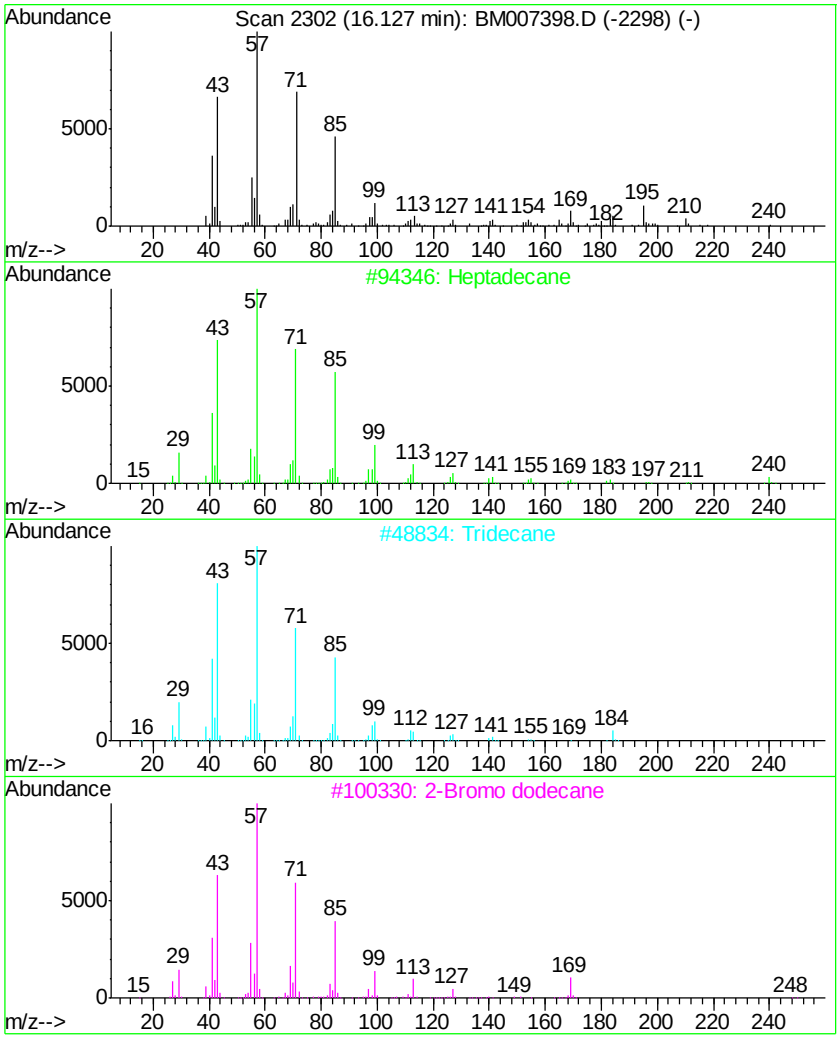
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

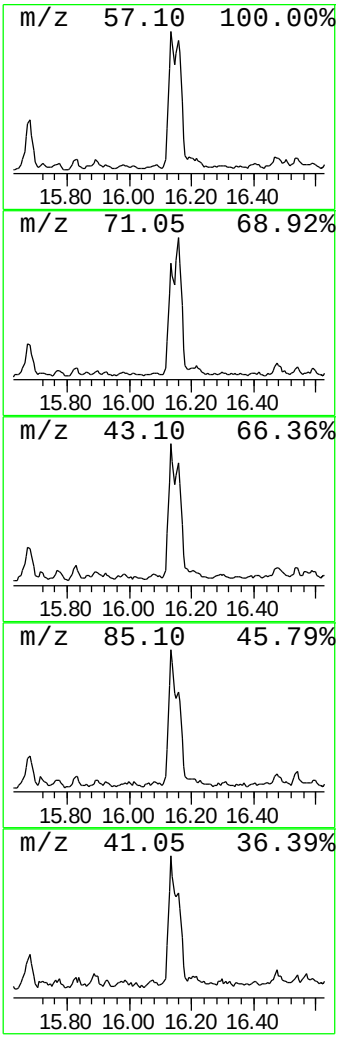
****

Peak Number 7 (DEL) Alkane: Straight-Chai... Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.13	2.85 ng/ul	559561	Phenanthrene-d10	17.17

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptadecane	240	C17H36	000629-78-7	90
2	Tridecane	184	C13H28	000629-50-5	87
3	2-Bromo dodecane	248	C12H25Br	013187-99-0	83
4	Tetradecane	198	C14H30	000629-59-4	81
5	Octacosane	394	C28H58	000630-02-4	81





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Instrument : BNA_M
ClientSampleId : BD397

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Quant Title : SVOA CALIBRATION

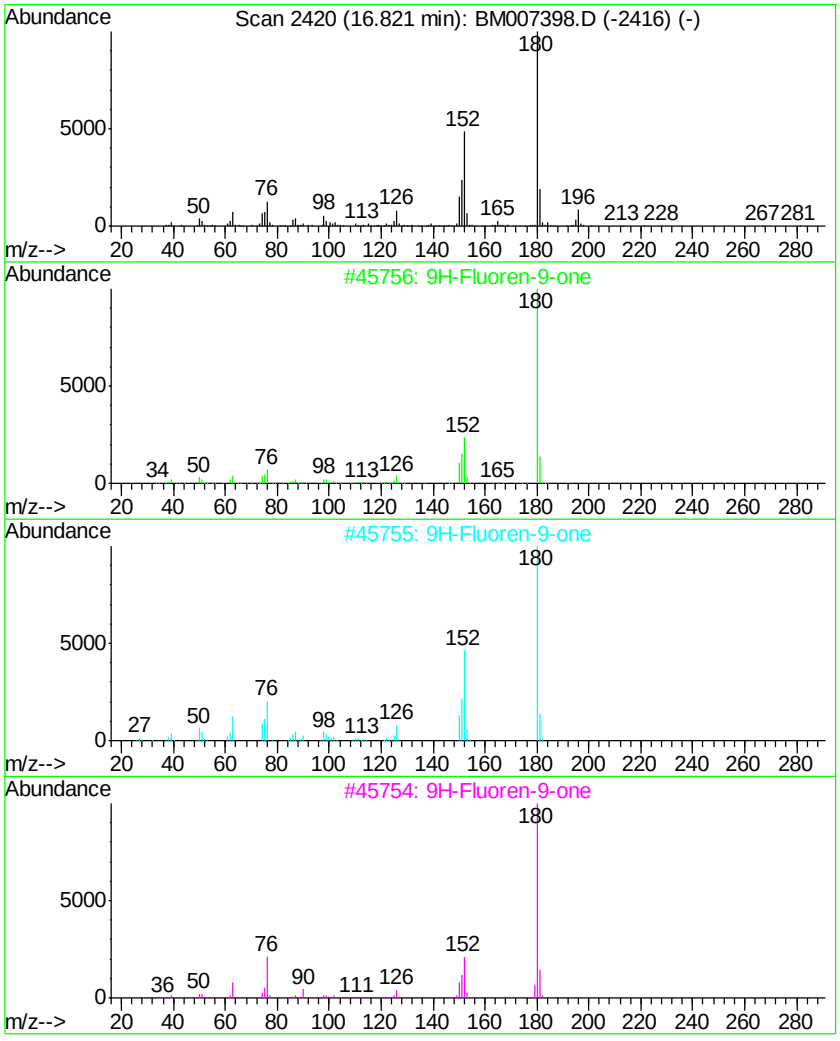
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

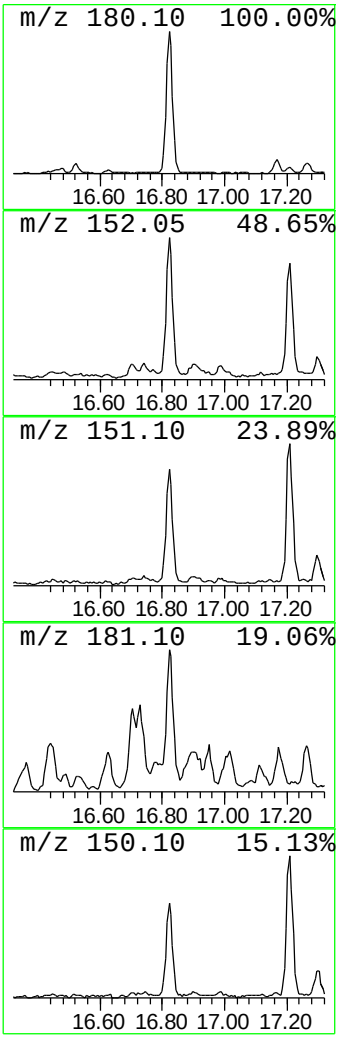
****

Peak Number 8 9H-Fluoren-9-one Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.82	3.11 ng/ul	609495	Phenanthrene-d10	17.17

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluoren-9-one	180	C13H8O	000486-25-9	94
2	9H-Fluoren-9-one	180	C13H8O	000486-25-9	94
3	9H-Fluoren-9-one	180	C13H8O	000486-25-9	93
4	9H-Fluoren-9-one	180	C13H8O	000486-25-9	93
5	Benzo[h]cinnoline	180	C12H8N2	000230-31-9	90





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Quant Title : SVOA CALIBRATION

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

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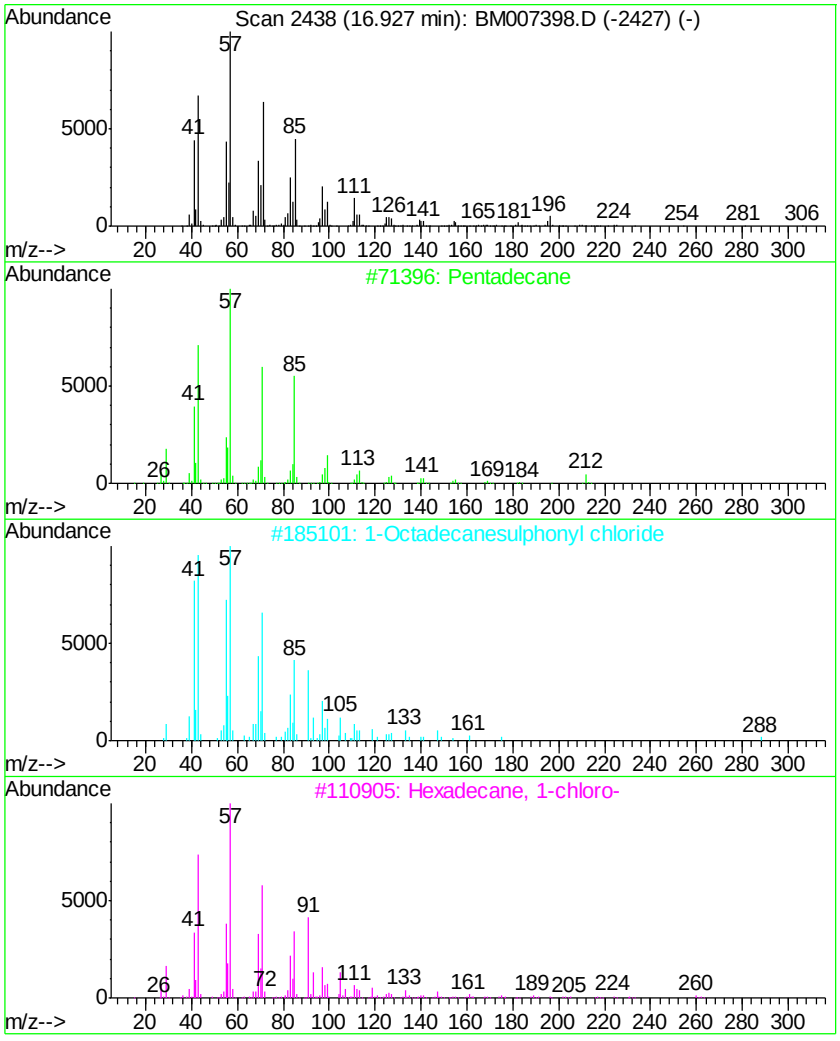
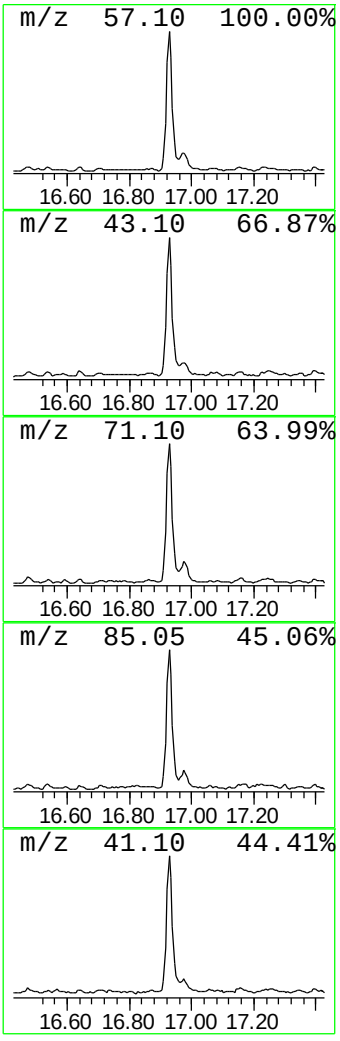
Peak Number 9 (DEL) Alkane: Straight-Chai... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.93	10.33 ng/ul	2025060	Phenanthrene-d10	17.17

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentadecane	212	C15H32	000629-62-9	94
2	1-Octadecanesulphonyl chloride	352	C18H37ClO2S	1000342-70-4	91
3	Hexadecane, 1-chloro-	260	C16H33Cl	004860-03-1	90
4	Octadecane, 1-chloro-	288	C18H37Cl	003386-33-2	86
5	Tridecane	184	C13H28	000629-50-5	83





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Sample : H4639-21
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ALS Vial : 26 Sample Multiplier: 1

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ClientSampleId : BD397

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

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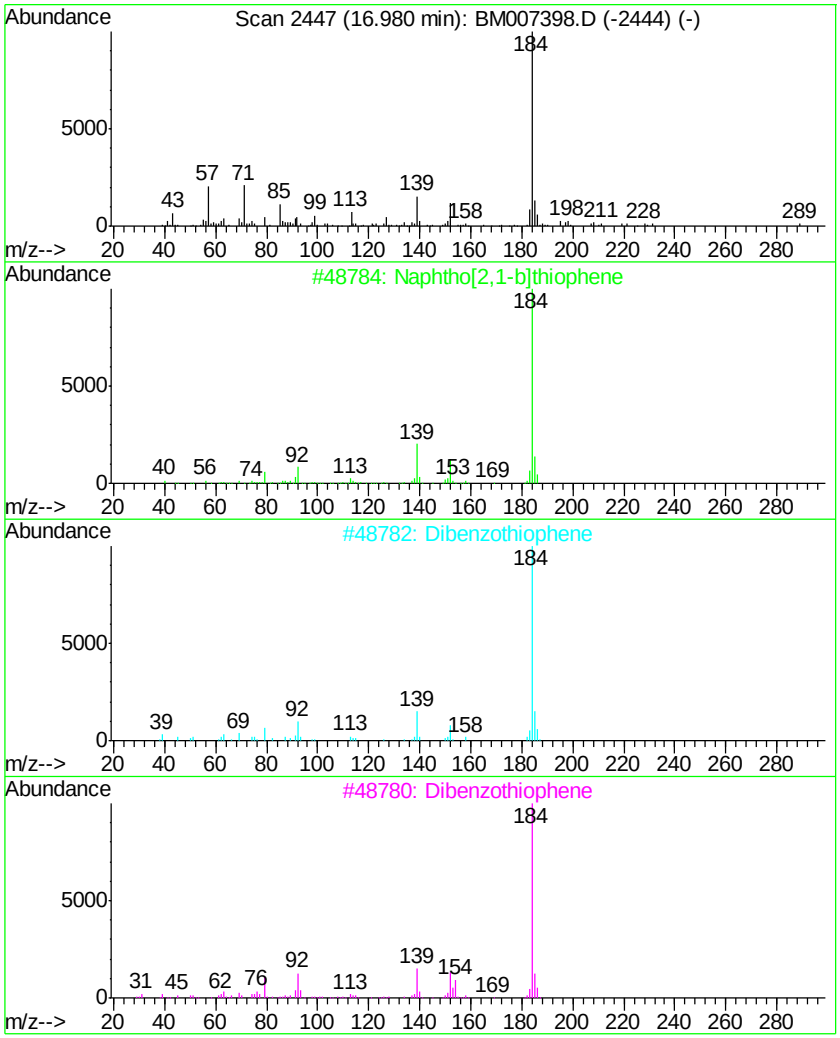
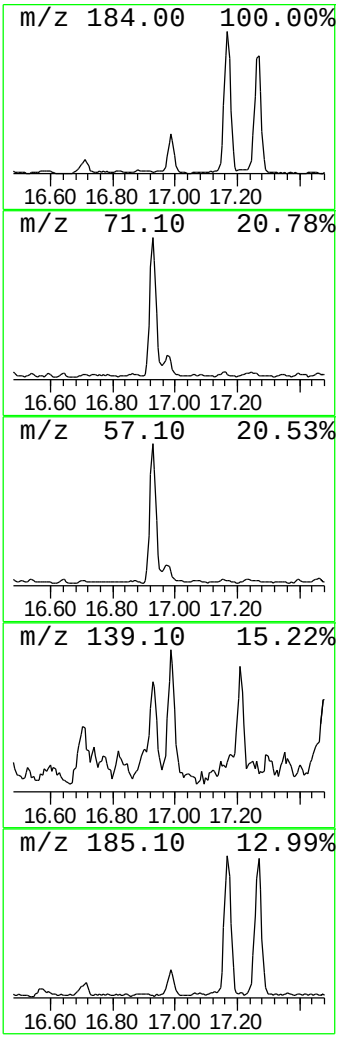
Peak Number 10 Naphtho[2,1-b]thiophene Concentration Rank 24

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.98	2.01 ng/ul	394047	Phenanthrene-d10	17.17

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphtho[2,1-b]thiophene	184	C12H8S	000233-02-3	89
2	Dibenzothiophene	184	C12H8S	000132-65-0	89
3	Dibenzothiophene	184	C12H8S	000132-65-0	76
4	Dibenzothiophene	184	C12H8S	000132-65-0	76
5	Azuleno(2,1-b)thiophene	184	C12H8S	000248-13-5	68





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Sample : H4639-21
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Instrument : BNA_M
ClientSampleId : BD397

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Quant Title : SVOA CALIBRATION

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

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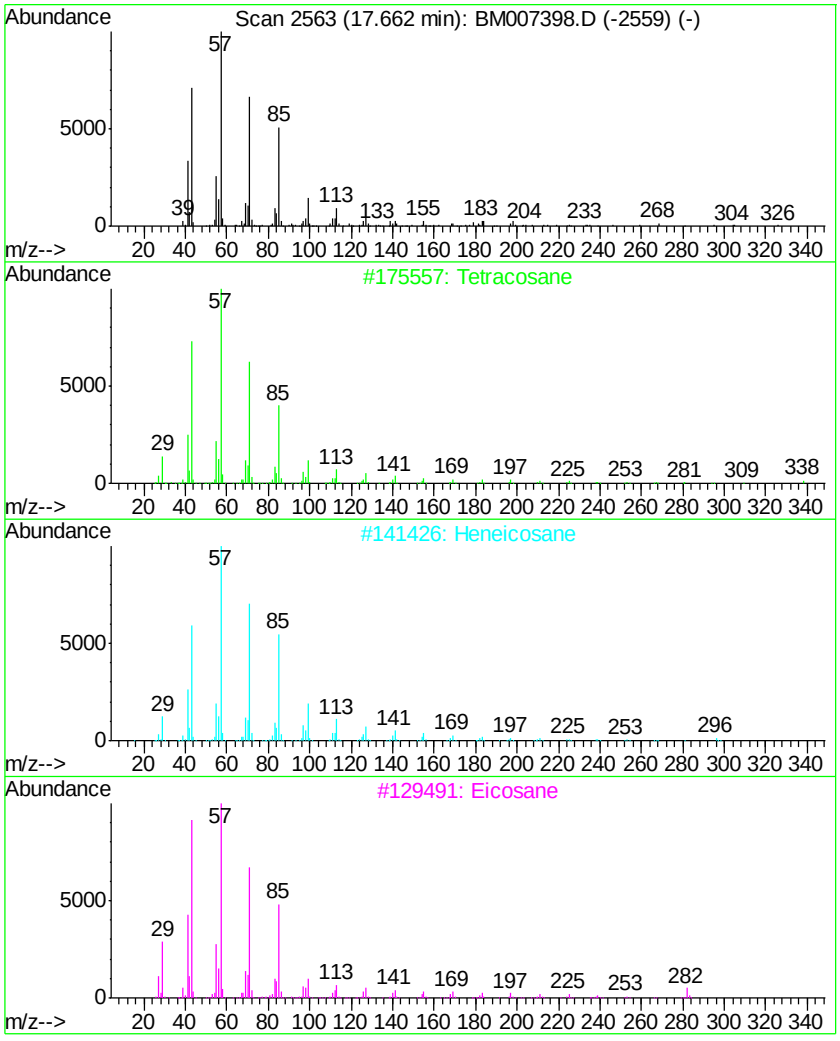
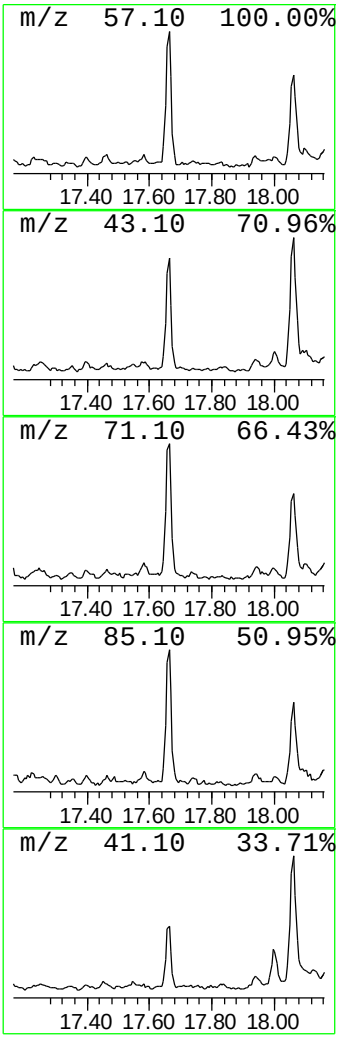
Peak Number 11 (DEL) Alkane: Straight-Chai... Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.66	2.68 ng/ul	526152	Phenanthrene-d10	17.17

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tetracosane	338	C24H50	000646-31-1	87
2	Heneicosane	296	C21H44	000629-94-7	87
3	Eicosane	282	C20H42	000112-95-8	87
4	Heptadecane	240	C17H36	000629-78-7	86
5	Nonadecane	268	C19H40	000629-92-5	83





Library Search Compound Report

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Instrument : BNA_M
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Quant Title : SVOA CALIBRATION

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

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Peak Number 12 n-Hexadecanoic acid Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.06	7.71 ng/ul	1511560	Phenanthrene-d10	17.17

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	98
2	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	94
3	Dodecanoic acid	200	C12H24O2	000143-07-7	91
4	Tridecanoic acid	214	C13H26O2	000638-53-9	91
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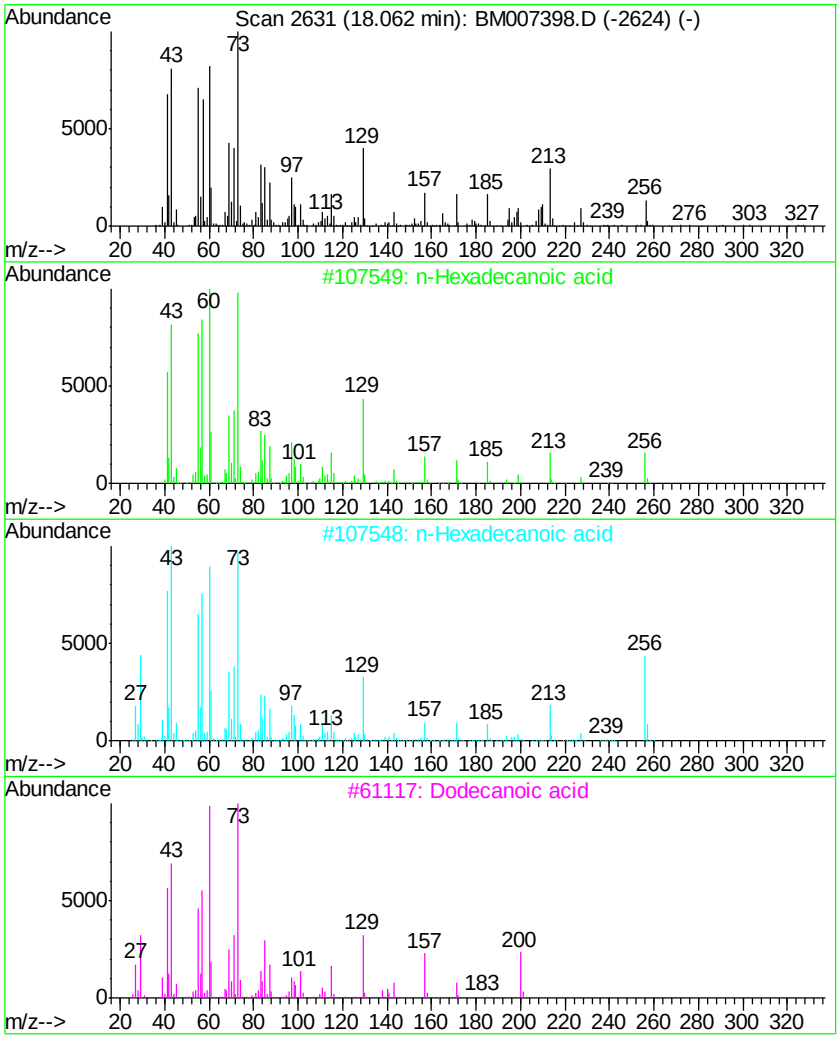

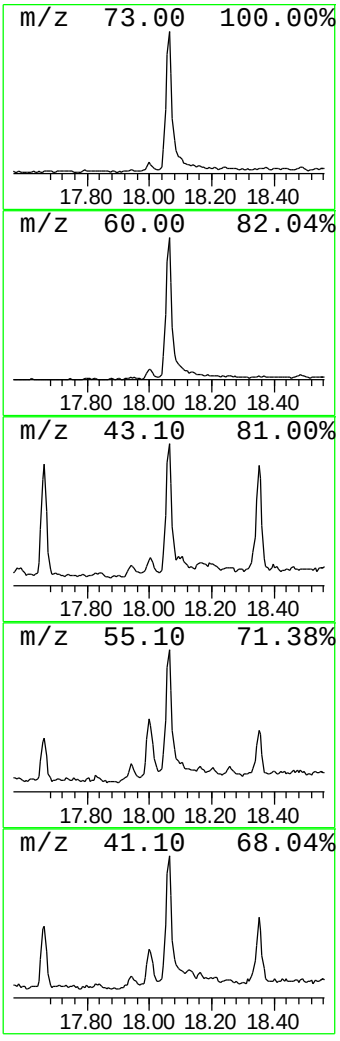

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Instrument : BNA_M
ClientSampleId : BD397

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Quant Title : SVOA CALIBRATION

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

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Peak Number 13 Anthracene, 9-methyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.09	4.38 ng/ul	859151	Phenanthrene-d10	17.17

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 9-methyl-	192	C15H12	000779-02-2	91
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	91
3	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	90
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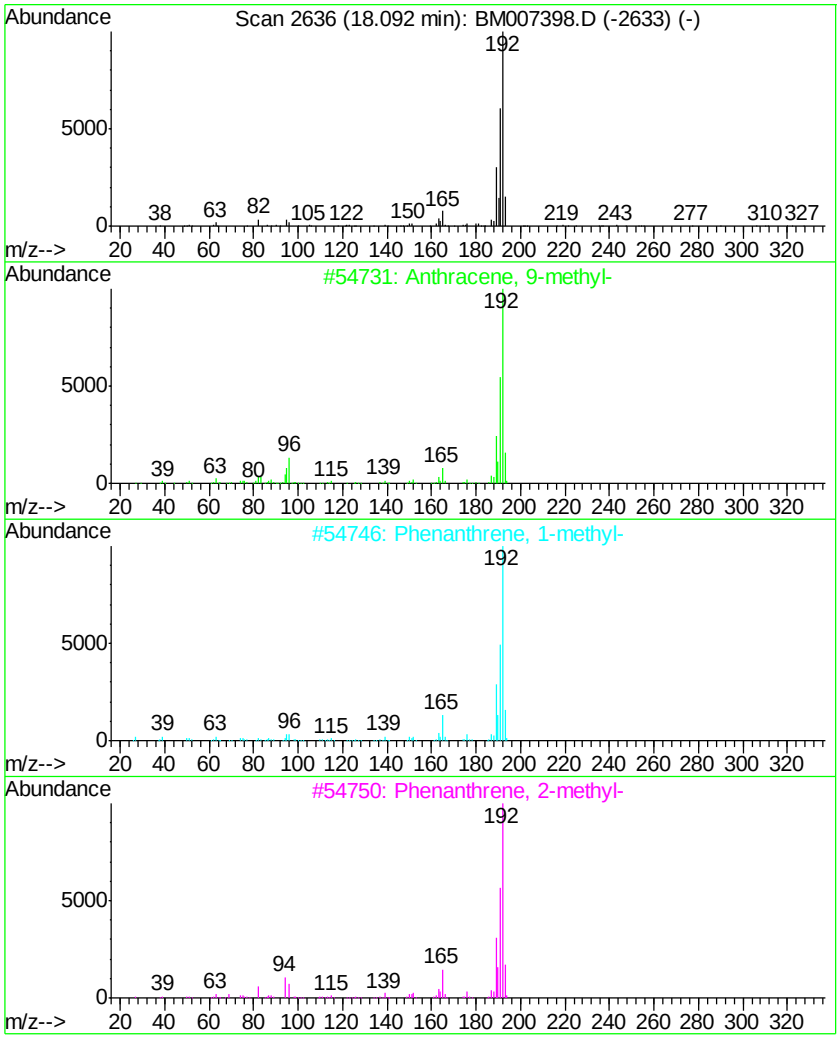
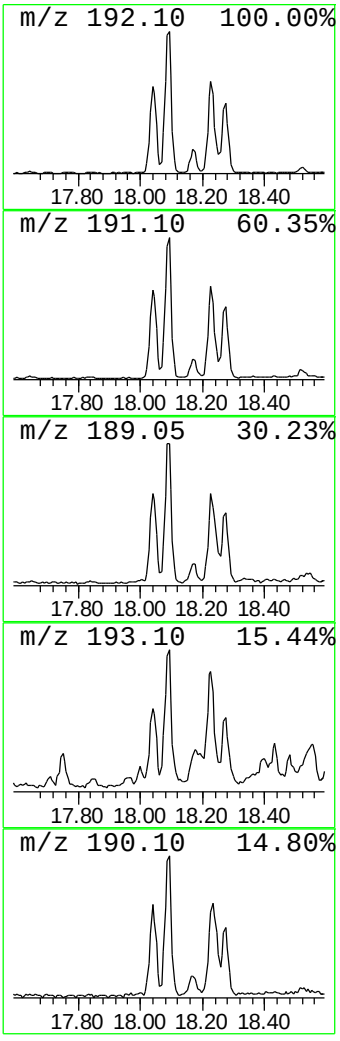
5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	90





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Sample : H4639-21
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BD397

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Quant Title : SVOA CALIBRATION

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

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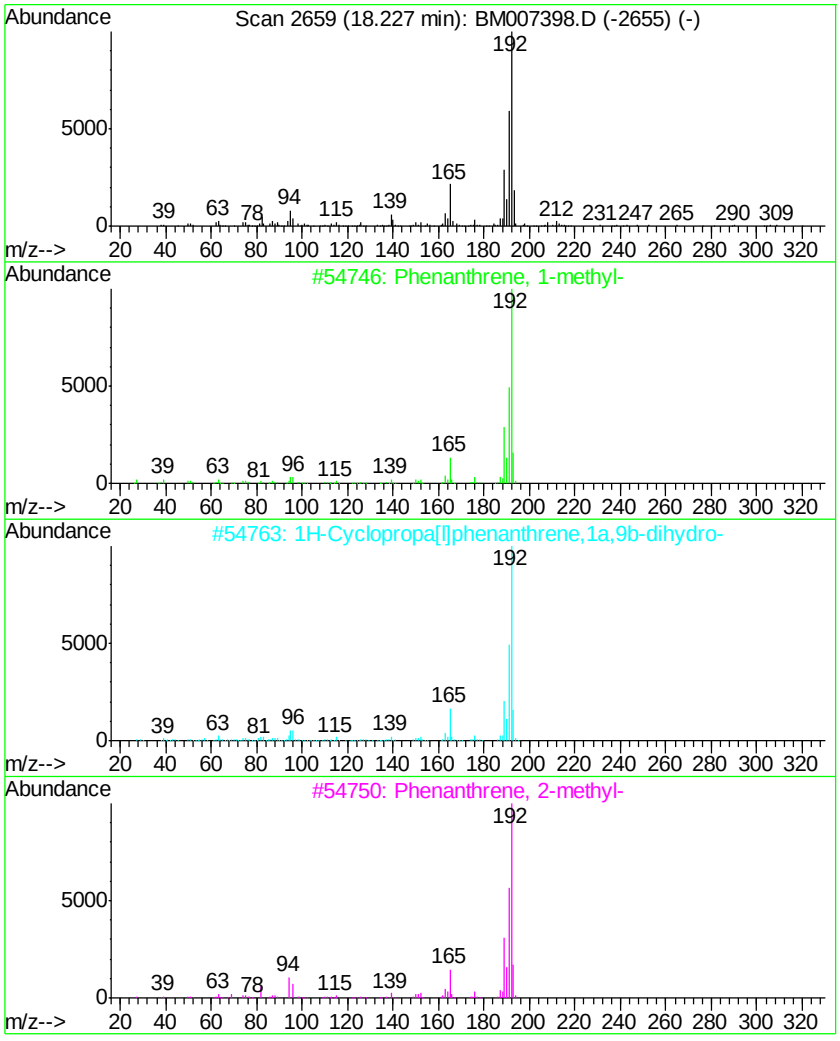
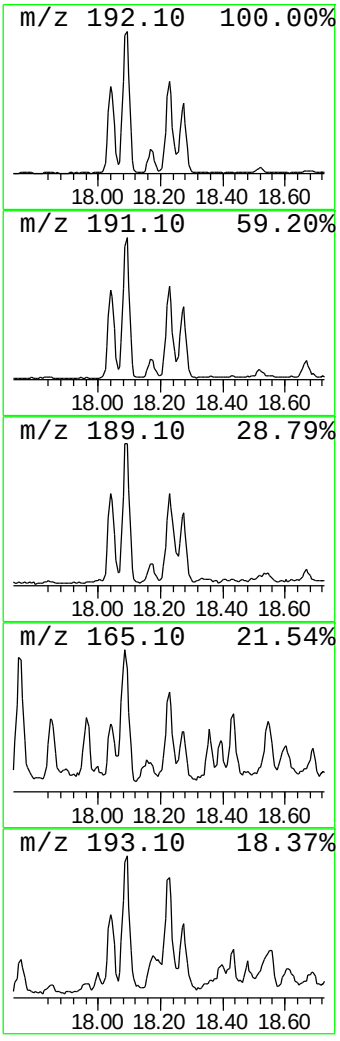
Peak Number 14 Phenanthrene, 1-methyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.23	2.41 ng/ul	473450	Phenanthrene-d10	17.17

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	94
2	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	94
3	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	91
4	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	91
5	Naphtho[2,3-b]norbornadiene	192	C15H12	107426-38-0	91





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Misc :
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Instrument : BNA_M
ClientSampleId : BD397

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Quant Title : SVOA CALIBRATION

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

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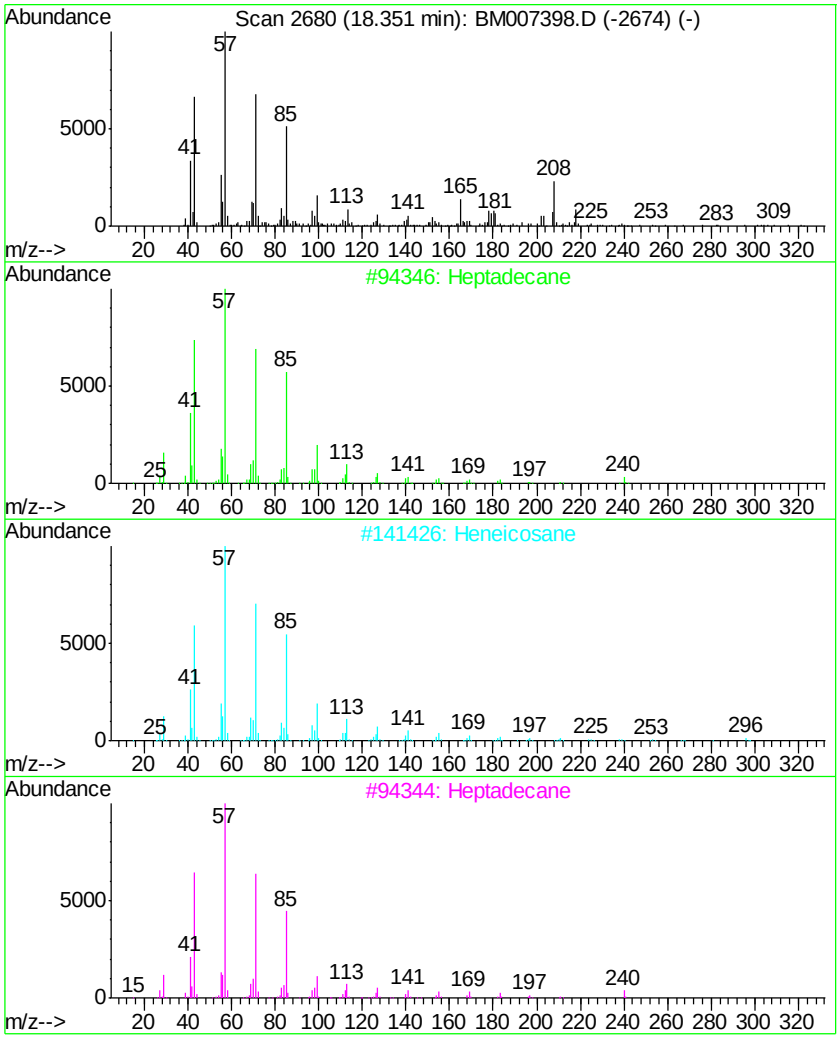
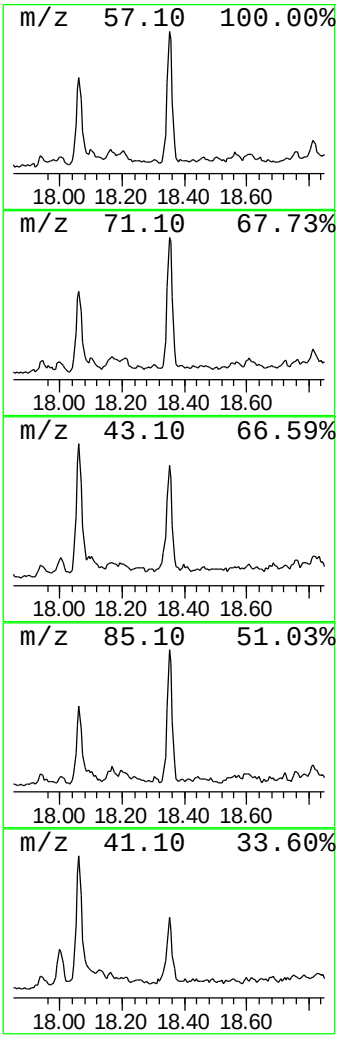
Peak Number 15 (DEL) Alkane: Straight-Chai... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.35	3.77 ng/ul	739763	Phenanthrene-d10	17.17

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptadecane	240	C17H36	000629-78-7	97
2	Heneicosane	296	C21H44	000629-94-7	70
3	Heptadecane	240	C17H36	000629-78-7	62
4	Octadecane	254	C18H38	000593-45-3	62
5	Octadecane, 1-iodo-	380	C18H37I	000629-93-6	62





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Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument : BNA_M
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Quant Title : SVOA CALIBRATION

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

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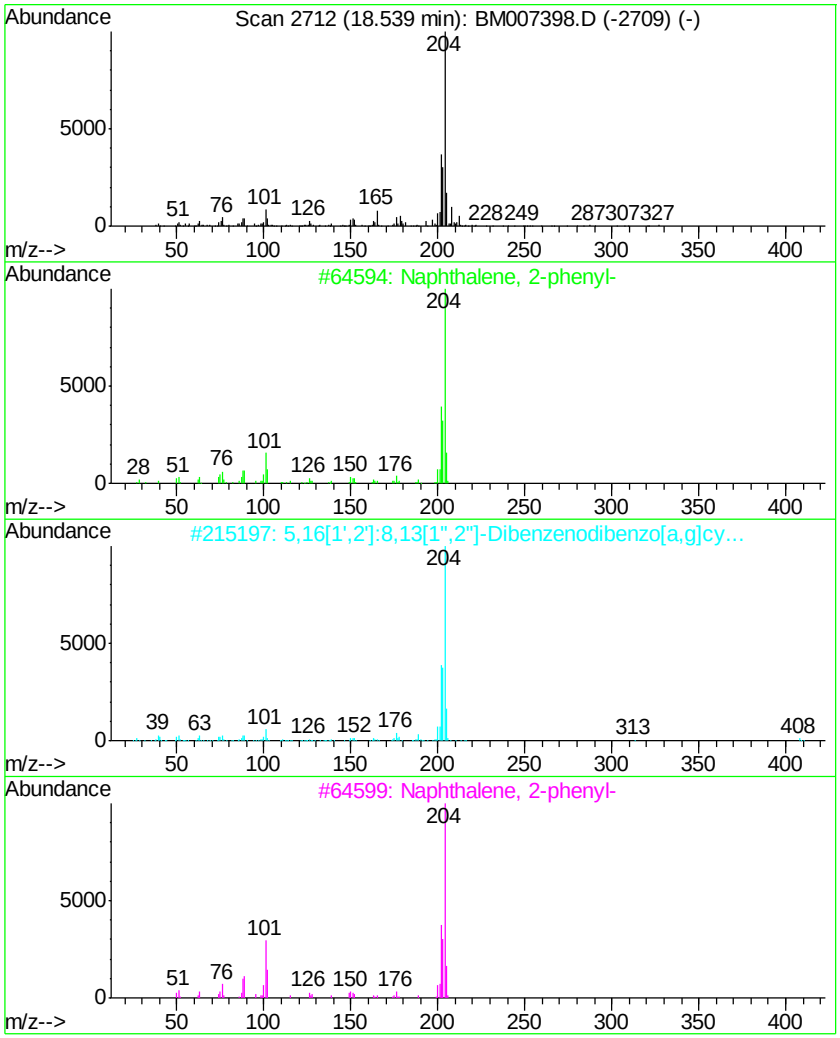
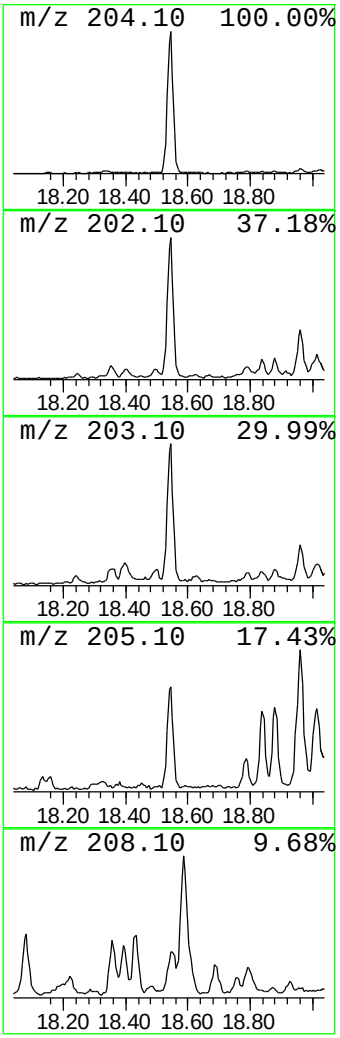
Peak Number 16 Naphthalene, 2-phenyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.54	2.68 ng/ul	526572	Phenanthrene-d10	17.17

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	86
2	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	74
3	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	70
4	Anthracene, 9,10-bis(O-anisyloxy...	450	C30H26O4	1000154-05-7	64
5	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	64





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Quant Title : SVOA CALIBRATION

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

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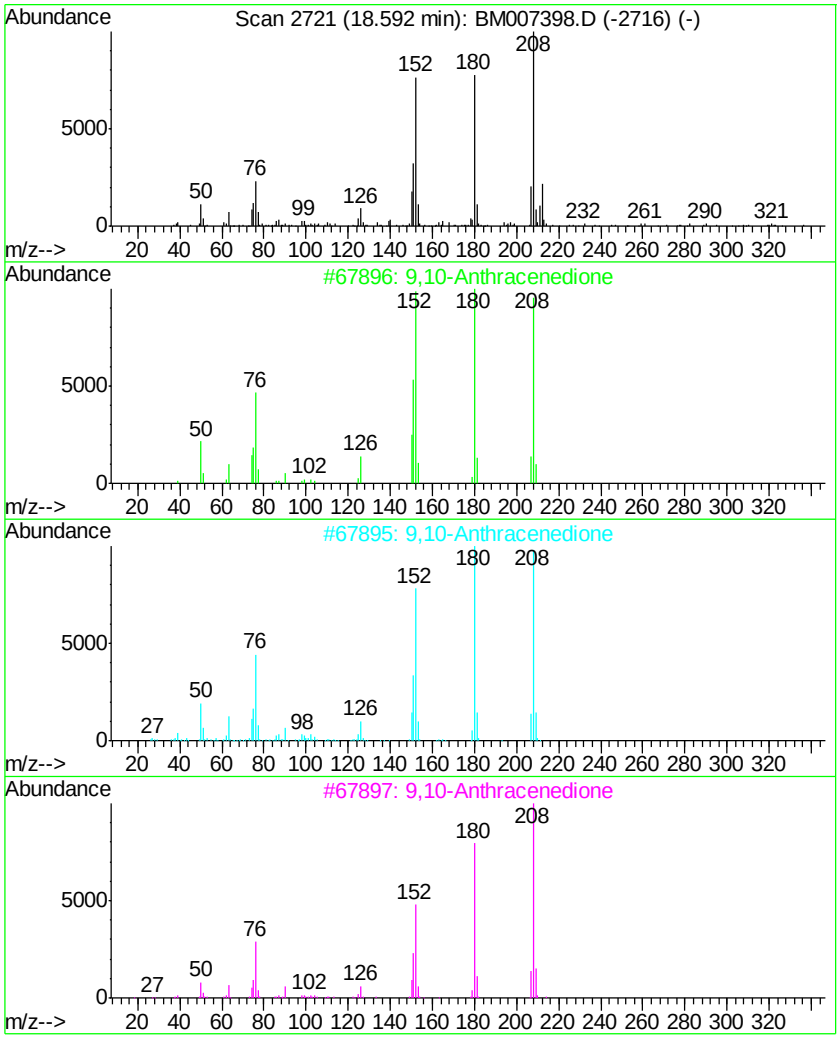
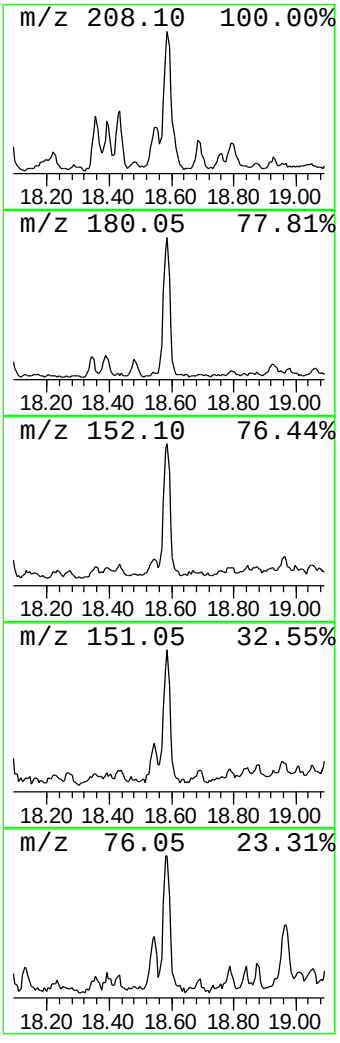
Peak Number 17 9,10-Anthracenedione Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.59	2.45 ng/ul	480923	Phenanthrene-d10	17.17

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Anthracenedione	208	C14H8O2	000084-65-1	97
2	9,10-Anthracenedione	208	C14H8O2	000084-65-1	90
3	9,10-Anthracenedione	208	C14H8O2	000084-65-1	87
4	1H-Phenalen-1-one	180	C13H8O	000548-39-0	78
5	Benzo[c]cinnoline	180	C12H8N2	000230-17-1	64





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Instrument : BNA_M
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Quant Title : SVOA CALIBRATION

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

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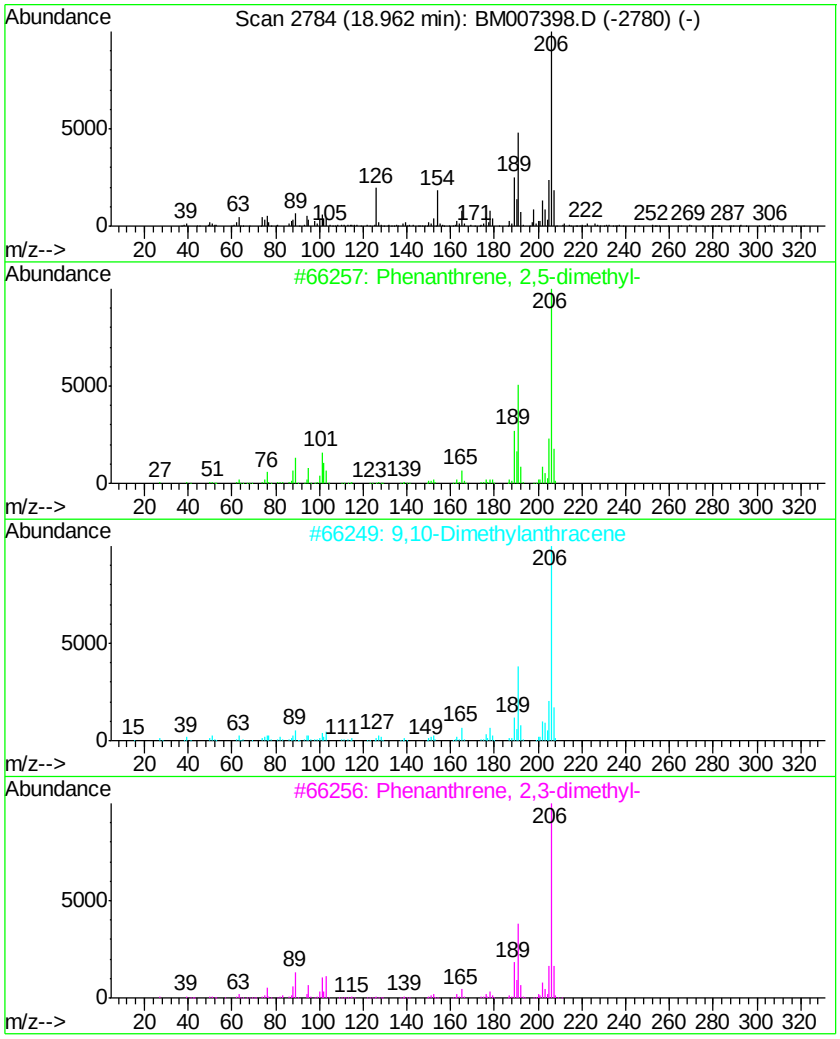
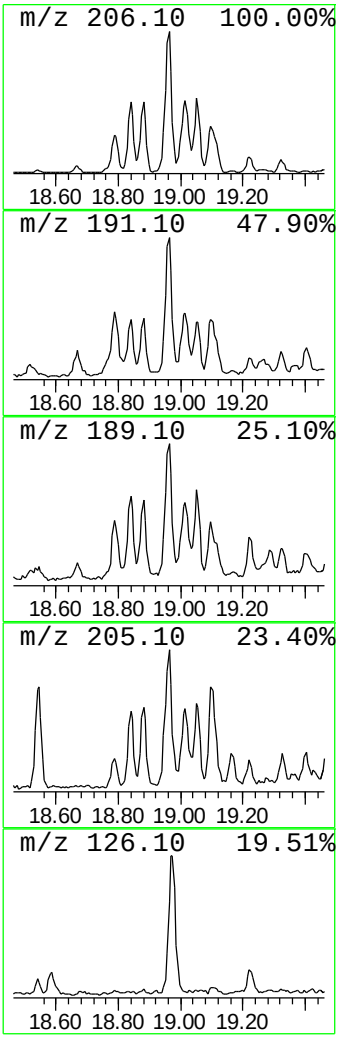
Peak Number 18 Phenanthrene, 2,5-dimethyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.96	3.61 ng/ul	708671	Phenanthrene-d10	17.17

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	95
2	9,10-Dimethylanthracene	206	C16H14	000781-43-1	93
3	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	91
4	9,10-Dimethylanthracene	206	C16H14	000781-43-1	90
5	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	86





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Data File : BM007398.D
Acq On : 03 Sep 2016 09:34
Operator : UM/SJ
Sample : H4639-21
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BD397

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

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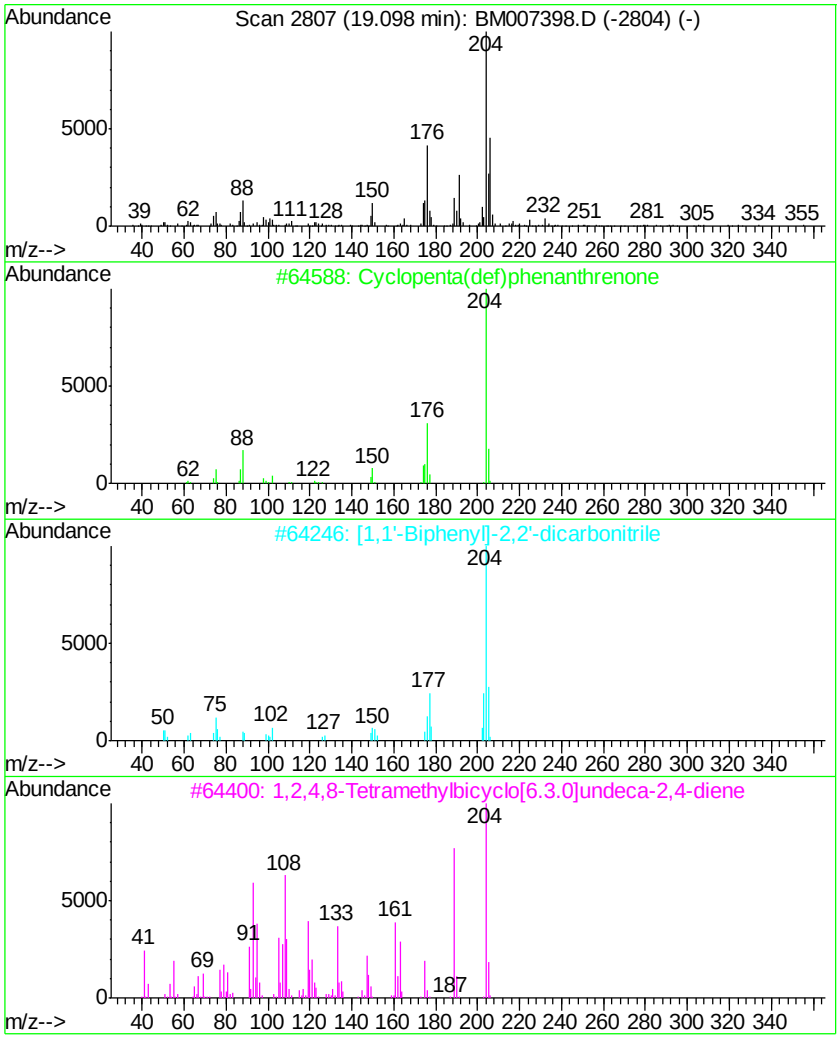
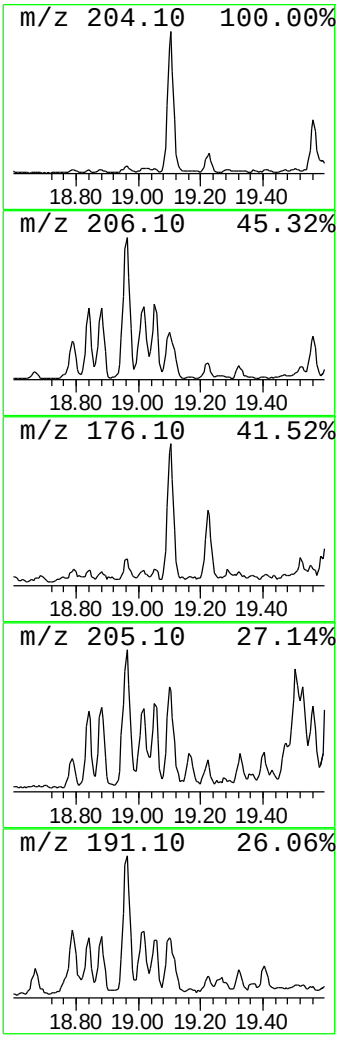
Peak Number 19 Cyclopenta(def)phenanthrenone Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.10	2.80 ng/ul	549363	Phenanthrene-d10	17.17

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	93
2	[1,1'-Biphenyl]-2,2'-dicarbonitrile	204	C14H8N2	004341-02-0	47
3	1,2,4,8-Tetramethylbicyclo[6.3.0...	204	C15H24	137235-51-9	45
4	[1,1'-Biphenyl]-2-ol, 5-chloro-	204	C12H9ClO	000607-12-5	38
5	[1,1'-Biphenyl]-2,2'-dicarbonitrile	204	C14H8N2	004341-02-0	38





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Instrument : BNA_M
ClientSampleId : BD397

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Quant Title : SVOA CALIBRATION

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

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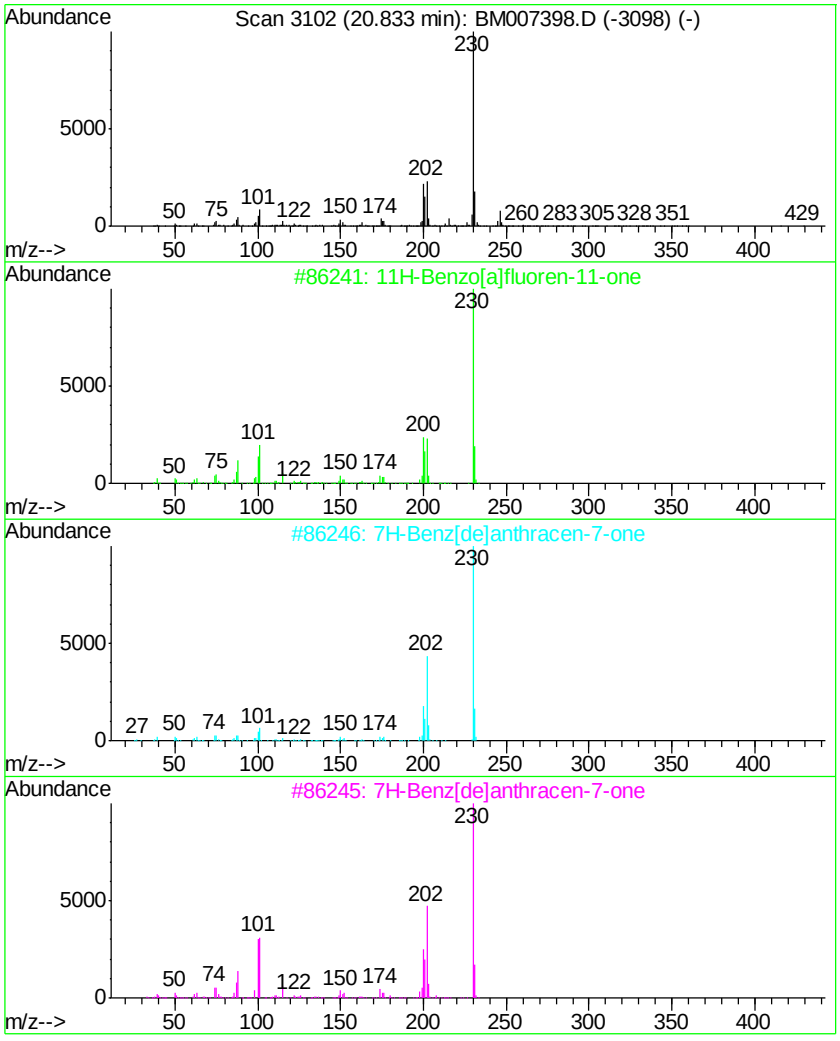
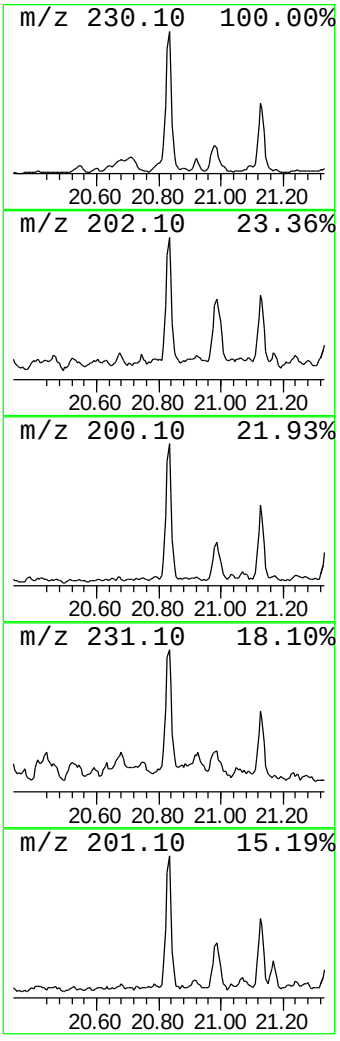
Peak Number 20 11H-Benzo[a]fluoren-11-one Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.83	2.82 ng/ul	1095510	Chrysene-d12	21.35

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[a]fluoren-11-one	230	C17H10O	000479-79-8	95
2	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	89
3	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	87
4	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	81
5	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	76





Library Search Compound Report

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Operator : UM/SJ
Sample : H4639-21
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BD397

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

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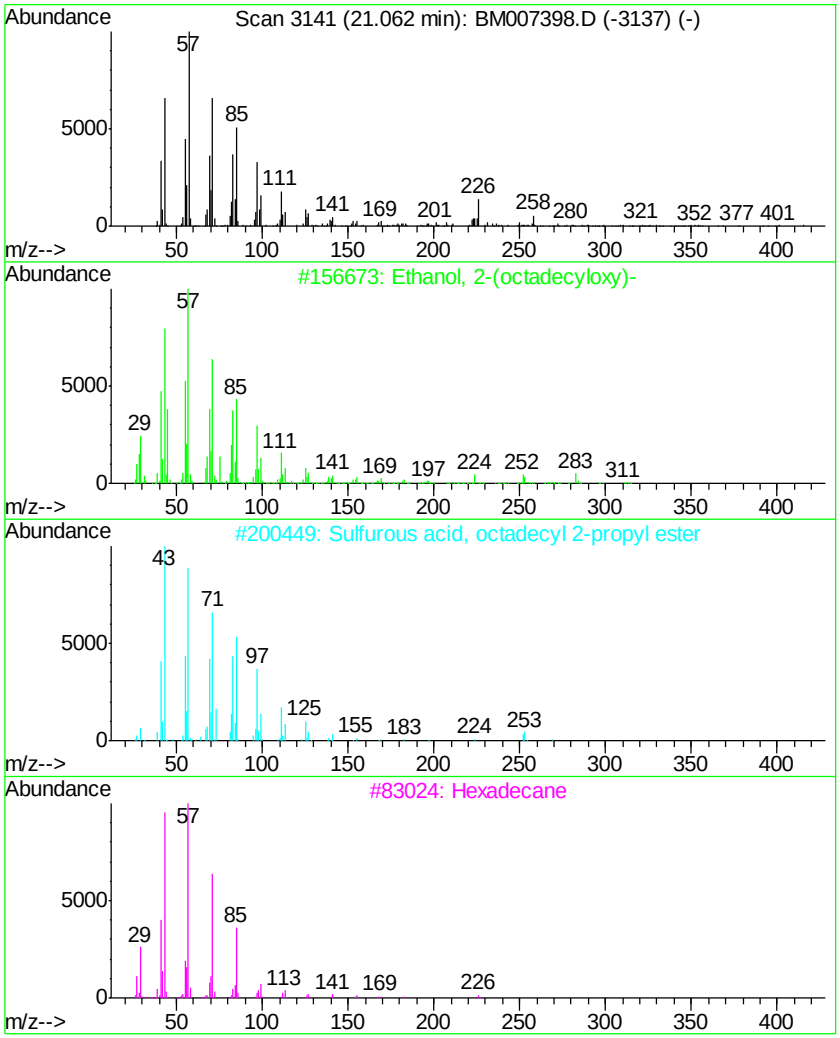
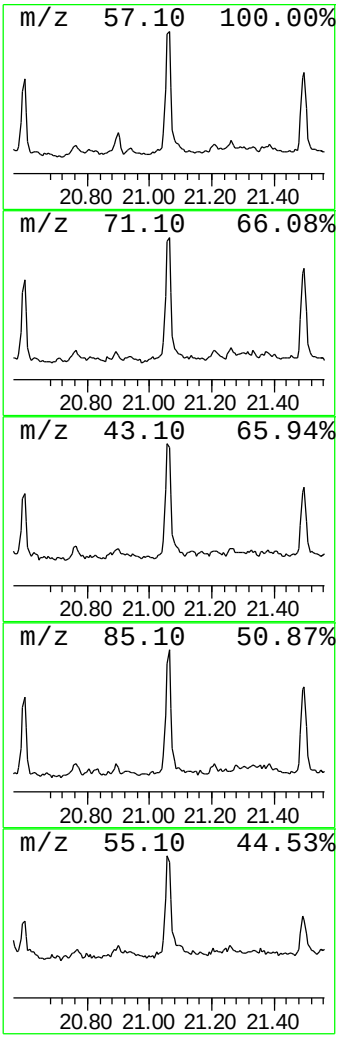
Peak Number 21 Ethanol, 2-(octadecyloxy)- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.06	3.73 ng/ul	1451380	Chrysene-d12	21.35

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Ethanol, 2-(octadecyloxy)-	314	C20H42O2	002136-72-3	90
2	Sulfurous acid, octadecyl 2-prop...	376	C21H44O3S	1000309-12-7	87
3	Hexadecane	226	C16H34	000544-76-3	83
4	Oxalic acid, isobutyl hexadecyl ...	370	C22H42O4	1000309-38-1	68
5	Tridecane, 1-iodo-	310	C13H27I	035599-77-0	55





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Instrument : BNA_M
ClientSampleId : BD397

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Quant Title : SVOA CALIBRATION

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TIC Integration Parameters: LSCINT.P

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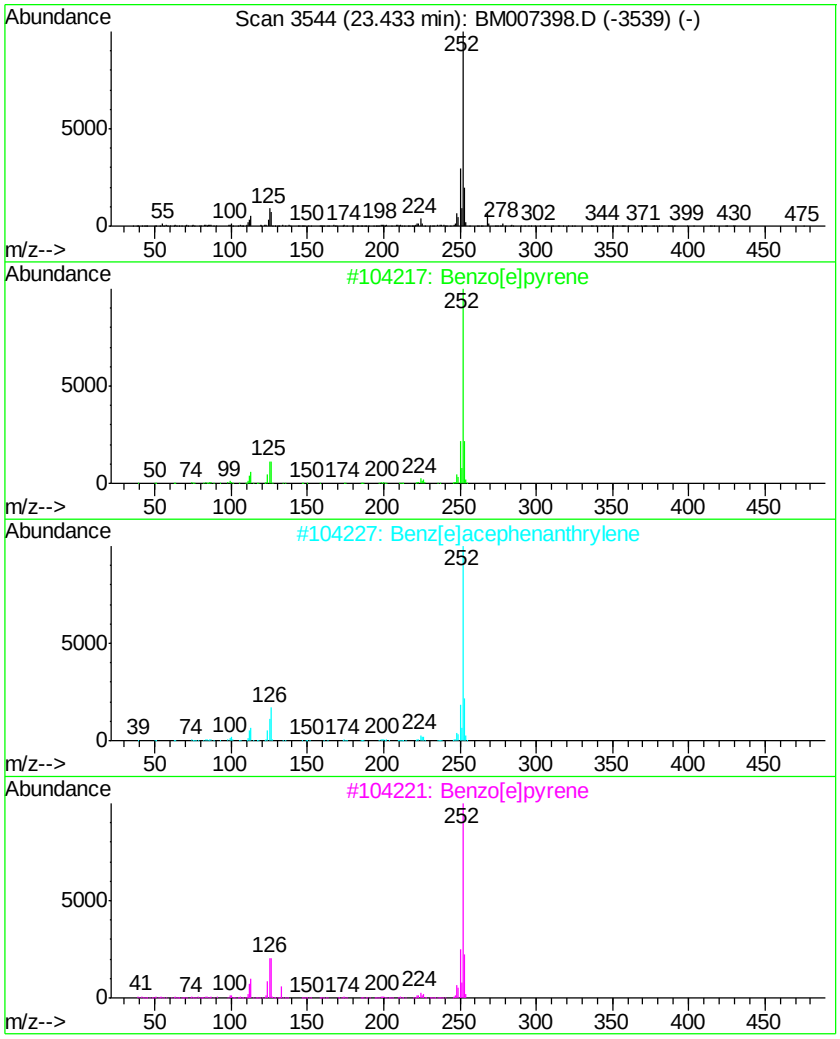
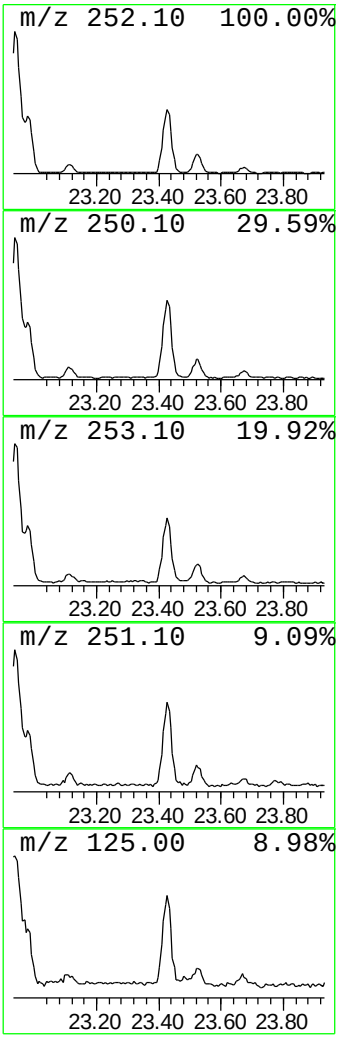
Peak Number 22 Benzo[e]pyrene Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
23.43	4.03 ng/ul	947907	Perylene-d12	23.63

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	96
2	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	91
3	Benzo[e]pyrene	252	C20H12	000192-97-2	81
4	Perylene	252	C20H12	000198-55-0	81
5	Perylene	252	C20H12	000198-55-0	81





Library Search Compound Report

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Operator : UM/SJ
Sample : H4639-21
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BD397

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

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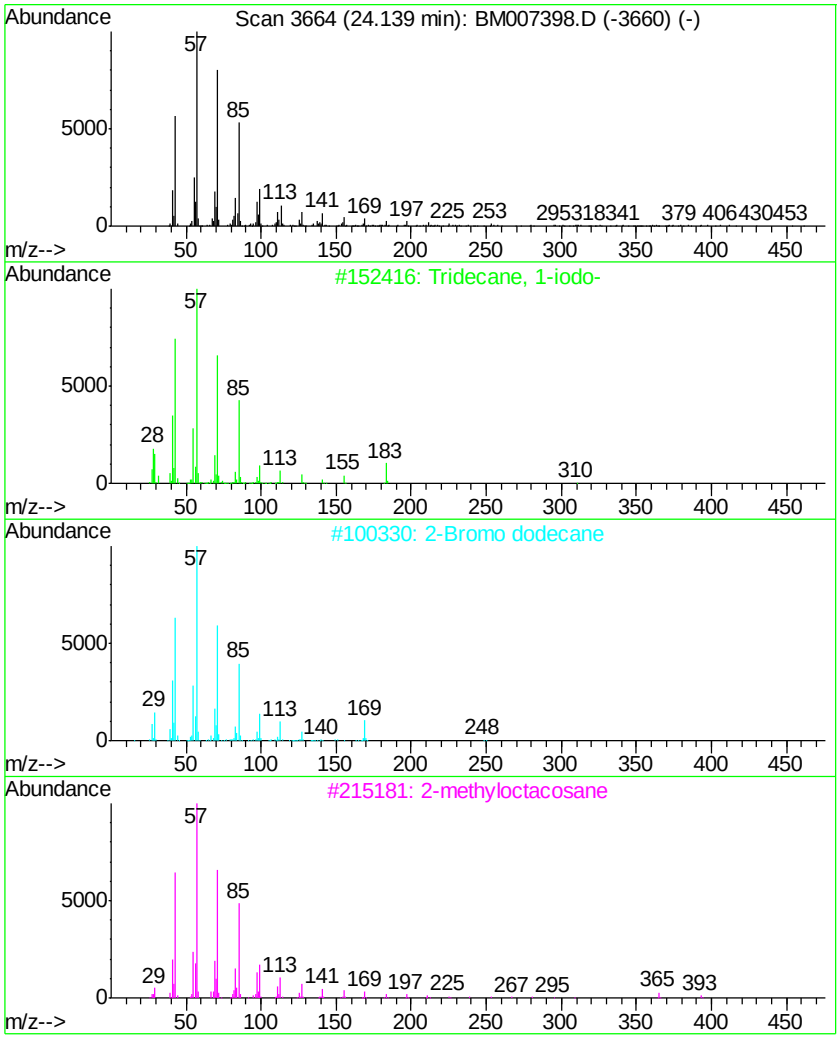
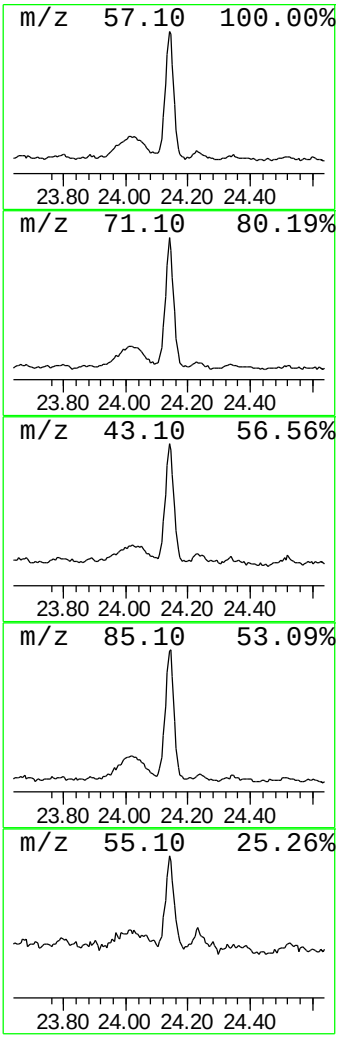
Peak Number 23 Tridecane, 1-iodo- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
24.14	5.63 ng/ul	1324620	Perylene-d12	23.63

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tridecane, 1-iodo-	310	C13H27I	035599-77-0	93
2	2-Bromo dodecane	248	C12H25Br	013187-99-0	93
3	2-methyloctacosane	408	C29H60	1000376-72-8	91
4	Heneicosane	296	C21H44	000629-94-7	91
5	Triacontane	422	C30H62	000638-68-6	91





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Quant Title : SVOA CALIBRATION

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TIC Integration Parameters: LSCINT.P

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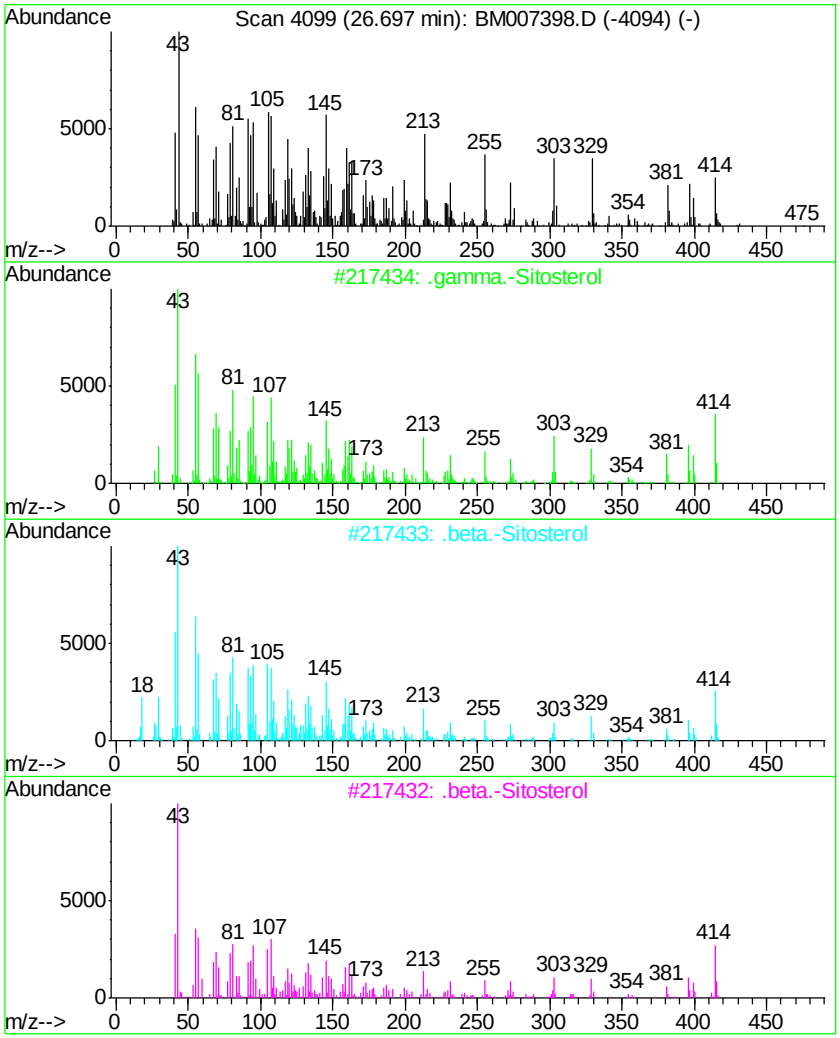
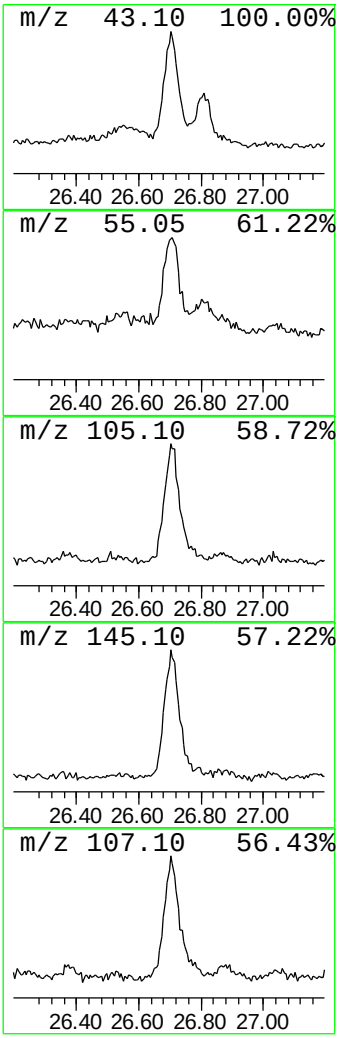
Peak Number 24 .gamma.-Sitosterol Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
26.70	8.39 ng/ul	1975840	Perylene-d12	23.63

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	.gamma.-Sitosterol	414	C29H50O	000083-47-6	99
2	.beta.-Sitosterol	414	C29H50O	000083-46-5	46
3	.beta.-Sitosterol	414	C29H50O	000083-46-5	43
4	Cholest-5-ene, 3-ethoxy-, (3.bet...	414	C29H50O	000986-19-6	42
5	Ergost-5-en-3-ol, (3.beta.)-	400	C28H48O	004651-51-8	30





Tentatively Identified Compound (LSC) summary

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Data File : BM007398.D
Acq On : 03 Sep 2016 09:34
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Sample : H4639-21
Misc :
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Instrument : BNA_M
ClientSampleId : BD397

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
(DEL) Alkane: Str...	13.25	2.1	ng/ul	319910	3	14.42	3098280	20.0
Naphthalene, 2,3-...	13.74	2.4	ng/ul	366231	3	14.42	3098280	20.0
(DEL) Alkane: Str...	15.27	2.0	ng/ul	313788	3	14.42	3098280	20.0
Dibenzofuran, 4-m...	15.76	2.3	ng/ul	354759	3	14.42	3098280	20.0
6H-Dibenzo[b,d]-p...	15.92	2.5	ng/ul	480586	4	17.17	3922640	20.0
(DEL) Alkane: Str...	16.13	2.9	ng/ul	559561	4	17.17	3922640	20.0
9H-Fluoren-9-one	16.82	3.1	ng/ul	609495	4	17.17	3922640	20.0
(DEL) Alkane: Str...	16.93	10.3	ng/ul	2025060	4	17.17	3922640	20.0
Naphtho[2,1-b]thi...	16.98	2.0	ng/ul	394047	4	17.17	3922640	20.0
(DEL) Alkane: Str...	17.66	2.7	ng/ul	526152	4	17.17	3922640	20.0
n-Hexadecanoic acid	18.06	7.7	ng/ul	1511560	4	17.17	3922640	20.0
Anthracene, 9-met...	18.09	4.4	ng/ul	859151	4	17.17	3922640	20.0
Phenanthrene, 1-m...	18.23	2.4	ng/ul	473450	4	17.17	3922640	20.0
(DEL) Alkane: Str...	18.35	3.8	ng/ul	739763	4	17.17	3922640	20.0
Naphthalene, 2-ph...	18.54	2.7	ng/ul	526572	4	17.17	3922640	20.0
9,10-Anthracenedione	18.59	2.5	ng/ul	480923	4	17.17	3922640	20.0
Phenanthrene, 2,5...	18.96	3.6	ng/ul	708671	4	17.17	3922640	20.0
Cyclopenta(def)ph...	19.10	2.8	ng/ul	549363	4	17.17	3922640	20.0
11H-Benzo[a]fluor...	20.83	2.8	ng/ul	1095510	5	21.35	7780750	20.0
Ethanol, 2-(octad...	21.06	3.7	ng/ul	1451380	5	21.35	7780750	20.0
Benzo[e]pyrene	23.43	4.0	ng/ul	947907	6	23.63	4707200	20.0
Tridecane, 1-iodo-	24.14	5.6	ng/ul	1324620	6	23.63	4707200	20.0
.gamma.-Sitosterol	26.70	8.4	ng/ul	1975840	6	23.63	4707200	20.0