LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM080315\
Data File : BM002194.D
Acq On : 03 Aug 2015 13:03
Operator : TP/UM
Sample : G3073-18
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C02G3

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 0.1 % 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-BM072715.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	3.316	103	107	117	rVV	40835	55801	2.30%	0.153%
2	6.716	680	685	695	rVB	188025	308208	12.69%	0.844%
3	6.869	704	711	722	rBB	124596	192060	7.91%	0.526%
4	7.057	737	743	752	rBB	187359	298471	12.29%	0.817%
5	7.528	813	823	831	rBV	244832	388601	16.00%	1.064%
6	8.251	940	946	955	rBV	242524	382088	15.73%	1.046%
7	8.687	1014	1020	1026	rVV	168482	277102	11.41%	0.758%
8	9.410	1137	1143	1149	rBV	154905	256667	10.57%	0.702%
9	9.951	1229	1235	1242	rVV	253376	412335	16.97%	1.129%
10	10.316	1286	1297	1302	rBV	353825	592206	24.38%	1.621%
11	10.363	1302	1305	1311	rVB2	22767	35582	1.46%	0.097%
12	10.463	1316	1322	1330	rVV	84389	142787	5.88%	0.391%
13	11.986	1575	1581	1587	rVB	18426	28738	1.18%	0.079%
14	12.216	1614	1620	1625	rVB	17842	28159	1.16%	0.077%
15	13.516	1835	1841	1846	rBV2	19212	35730	1.47%	0.098%
16	13.616	1852	1858	1862	rVV	441485	638687	26.29%	1.748%
17	13.663	1862	1866	1872	rVV	172942	234035	9.63%	0.641%
18	13.892	1893	1905	1917	rBV	421390	690005	28.40%	1.889%
19	14.016	1921	1926	1932	rVB4	21507	32300	1.33%	0.088%
20	14.098	1932	1940	1945	rBV3	21600	29968	1.23%	0.082%
21	14.204	1951	1958	1964	rVV2	554677	851392	35.05%	2.330%
22	14.263	1964	1968	1976	rVB	41280	65808	2.71%	0.180%
23	14.445	1994	1999	2006	rVV	140499	221154	9.10%	0.605%
24	14.604	2018	2026	2029	rBV2	42056	70010	2.88%	0.192%
25	14.821	2059	2063	2069	rBV6	12447	29057	1.20%	0.080%
26	14.992	2086	2092	2096	rBV6	16563	33466	1.38%	0.092%
27	15.057	2097	2103	2106	rVV4	19485	26311	1.08%	0.072%
28	15.198	2121	2127	2132	rVV	524974	753905	31.03%	2.063%
29	15.251	2132	2136	2142	rVB	54547	78266	3.22%	0.214%
30	15.351	2147	2153	2161	rBV	179145	265267	10.92%	0.726%
31	15.463	2168	2172	2177	rVV4	20027	30285	1.25%	0.083%
32	15.551	2183	2187	2193	rVB	26313	41264	1.70%	0.113%
33	15.698	2209	2212	2220	rVB2	17069	33004	1.36%	0.090%
34	15.939	2245	2253	2258	rBV4	51380	121779	5.01%	0.333%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM080315\
Data File : BM002194.D
Acq On : 03 Aug 2015 13:03
Operator : TP/UM
Sample : G3073-18
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C02G3

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 0.1 % 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-BM072715.M
Title : SVOA CALIBRATION

35	16.233	2297	2303	2305	rBV	24066	40155	1.65%	0.110%
36	16.310	2313	2316	2320	rVB3	15661	23470	0.97%	0.064%
37	16.615	2363	2368	2373	rVB	55792	76872	3.16%	0.210%
38	16.710	2377	2384	2387	rVV4	42432	69408	2.86%	0.190%
39	16.768	2389	2394	2401	rVB2	61734	120716	4.97%	0.330%
40	16.957	2420	2426	2429	rBV	795788	1109769	45.68%	3.037%
41	16.998	2429	2433	2438	rVV	799307	1084418	44.64%	2.968%
42	17.057	2438	2443	2446	rVV	601221	866478	35.67%	2.372%
43	17.086	2446	2448	2452	rVV	118846	143333	5.90%	0.392%
44	17.151	2452	2459	2463	rVV4	28371	59798	2.46%	0.164%
45	17.368	2488	2496	2501	rBV2	76076	139640	5.75%	0.382%
46	17.445	2506	2509	2512	rBV2	22010	27818	1.15%	0.076%
47	17.539	2521	2525	2533	rVB3	35477	72983	3.00%	0.200%
48	17.674	2545	2548	2553	rVB2	15642	25472	1.05%	0.070%
49	17.827	2566	2574	2576	rBV	118207	189378	7.80%	0.518%
50	17.857	2576	2579	2588	rVV2	269368	611614	25.18%	1.674%
51	17.921	2588	2590	2594	rVV	38520	55657	2.29%	0.152%
52	17.957	2594	2596	2602	rVV	39003	53215	2.19%	0.146%
53	18.021	2602	2607	2611	rVV2	158082	282923	11.65%	0.774%
54	18.062	2611	2614	2622	rVB	104569	152592	6.28%	0.418%
55	18.145	2624	2628	2631	rBV5	30905	44618	1.84%	0.122%
56	18.233	2638	2643	2650	rBV	198544	276648	11.39%	0.757%
57	18.333	2656	2660	2664	rBV	87165	113703	4.68%	0.311%
58	18.386	2664	2669	2672	rVV	114393	159809	6.58%	0.437%
59	18.421	2672	2675	2684	rVB3	135799	204906	8.43%	0.561%
60	18.574	2694	2701	2707	rBV	595341	825149	33.97%	2.258%
61	18.674	2715	2718	2720	rBV	23044	28352	1.17%	0.078%
62	18.709	2720	2724	2728	rBV2	144452	187397	7.71%	0.513%
63	18.756	2729	2732	2735	rBV	55585	86892	3.58%	0.238%
64	18.851	2746	2748	2751	rVB2	30874	32813	1.35%	0.090%
65	18.904	2753	2757	2763	rBV2	69224	118979	4.90%	0.326%
66	19.027	2772	2778	2783	rBV	1319329	1769857	72.86%	4.844%
67	19.080	2783	2787	2792	rVV	490768	659870	27.16%	1.806%
68	19.151	2796	2799	2807	rVB4	83442	161645	6.65%	0.442%
69	19.274	2817	2820	2823	rBV	29138	33865	1.39%	0.093%
70	19.362	2830	2835	2838	rBV2	889298	1406797	57.91%	3.850%
71	19.392	2838	2840	2848	rVV	1114726	1533730	63.14%	4.198%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM080315\
Data File : BM002194.D
Acq On : 03 Aug 2015 13:03
Operator : TP/UM
Sample : G3073-18
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C02G3

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 0.1 % 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-BM072715.M
Title : SVOA CALIBRATION

72	19.462	2849	2852	2858	rVB2	72379	114505	4.71%	0.313%
73	19.727	2891	2897	2901	rBV3	77414	179229	7.38%	0.491%
74	19.809	2908	2911	2914	rVB	79658	92906	3.82%	0.254%
75	19.856	2916	2919	2920	rBV3	59664	64210	2.64%	0.176%
76	19.992	2939	2942	2945	rBV	93096	110078	4.53%	0.301%
77	20.027	2945	2948	2949	rBV2	57741	63917	2.63%	0.175%
78	20.192	2973	2976	2978	rBV	68408	85242	3.51%	0.233%
79	20.409	3010	3013	3017	rVB	109295	118946	4.90%	0.326%
80	20.809	3078	3081	3084	rBV3	80960	101638	4.18%	0.278%
81	20.845	3085	3087	3089	rVV	121248	127169	5.23%	0.348%
82	20.874	3089	3092	3099	rVV4	257237	406948	16.75%	1.114%
83	20.945	3102	3104	3110	rVB	119687	138957	5.72%	0.380%
84	21.074	3123	3126	3131	rVB	243421	275813	11.35%	0.755%
85	21.168	3135	3142	3145	rVV2	1295807	2429285	100.00%	6.649%
86	21.203	3145	3148	3157	rVB	675747	824071	33.92%	2.255%
87	21.309	3163	3166	3173	rVB3	354061	447906	18.44%	1.226%
88	21.662	3222	3226	3229	rBV	287664	349530	14.39%	0.957%
89	21.733	3235	3238	3246	rVB	575165	672431	27.68%	1.840%
90	21.803	3247	3250	3255	rVV3	435130	547794	22.55%	1.499%
91	21.956	3273	3276	3279	rBV3	212693	287332	11.83%	0.786%
92	22.180	3310	3314	3319	rVB	748373	980379	40.36%	2.683%
93	22.668	3392	3397	3400	rBV	786211	1181956	48.65%	3.235%
94	23.162	3477	3481	3484	rBV	236857	404061	16.63%	1.106%
95	23.209	3485	3489	3494	rVV	982940	1699422	69.96%	4.651%
96	23.256	3494	3497	3507	rVB	360925	604743	24.89%	1.655%
97	23.350	3508	3513	3518	rBV	600836	1073028	44.17%	2.937%
98	23.827	3589	3594	3601	rVB	598862	1140571	46.95%	3.122%
99	24.544	3710	3716	3732	rVB	376637	871171	35.86%	2.384%
100	25.374	3853	3857	3867	rVB	278529	612078	25.20%	1.675%

Sum of corrected areas: 36536553

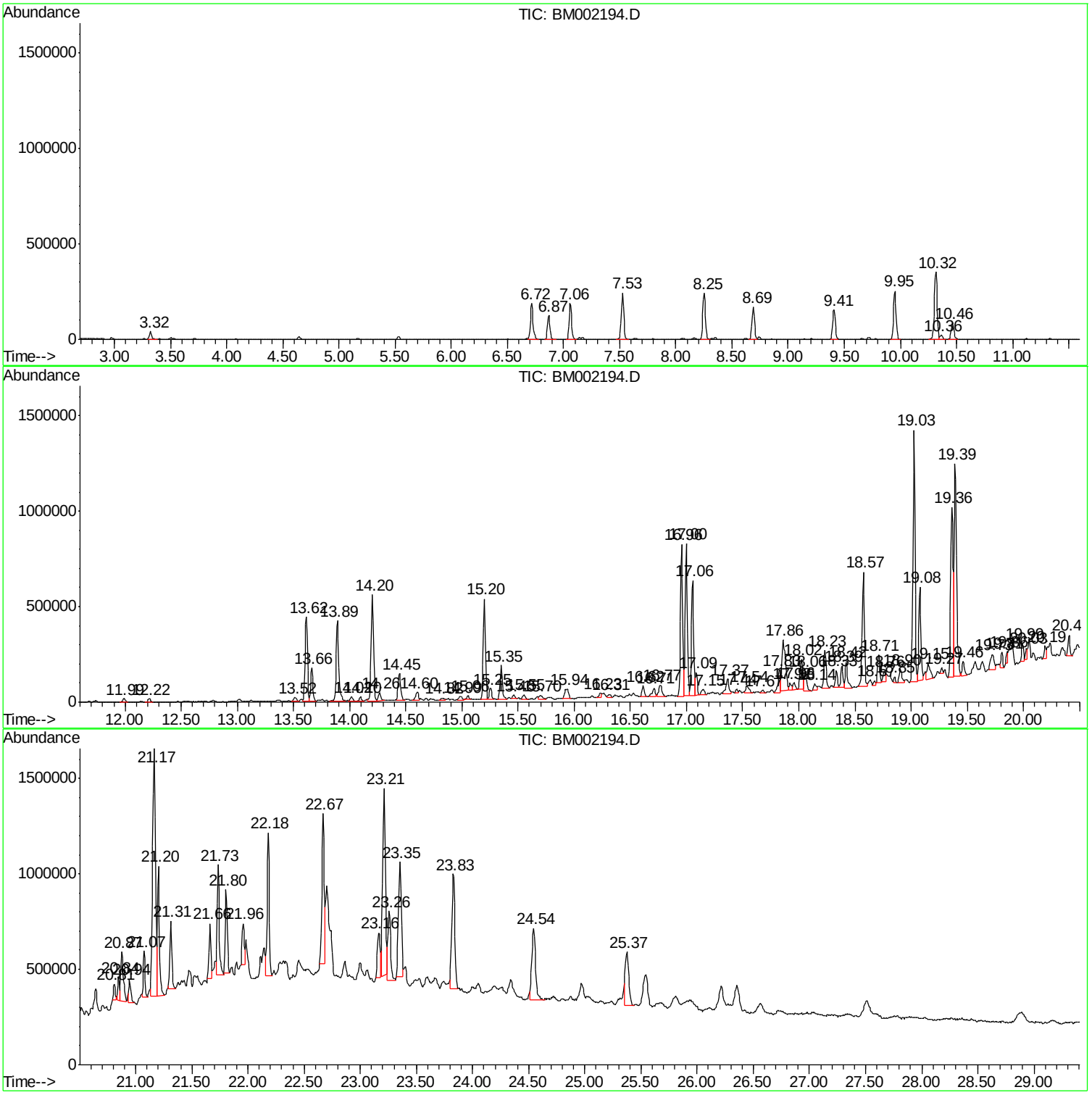
LSC Report - Integrated Chromatogram

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM080315\
Data File : BM002194.D
Acq On : 03 Aug 2015 13:03
Operator : TP/UM
Sample : G3073-18
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C02G3

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM072715.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P



Data Path : Z:\HPCHEM1\BNA_M\DATA\BM080315\
Data File : BM002194.D
Acq On : 03 Aug 2015 13:03
Operator : TP/UM
Sample : G3073-18
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C02G3

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM072715.M
Quant Title : SVOA CALIBRATION

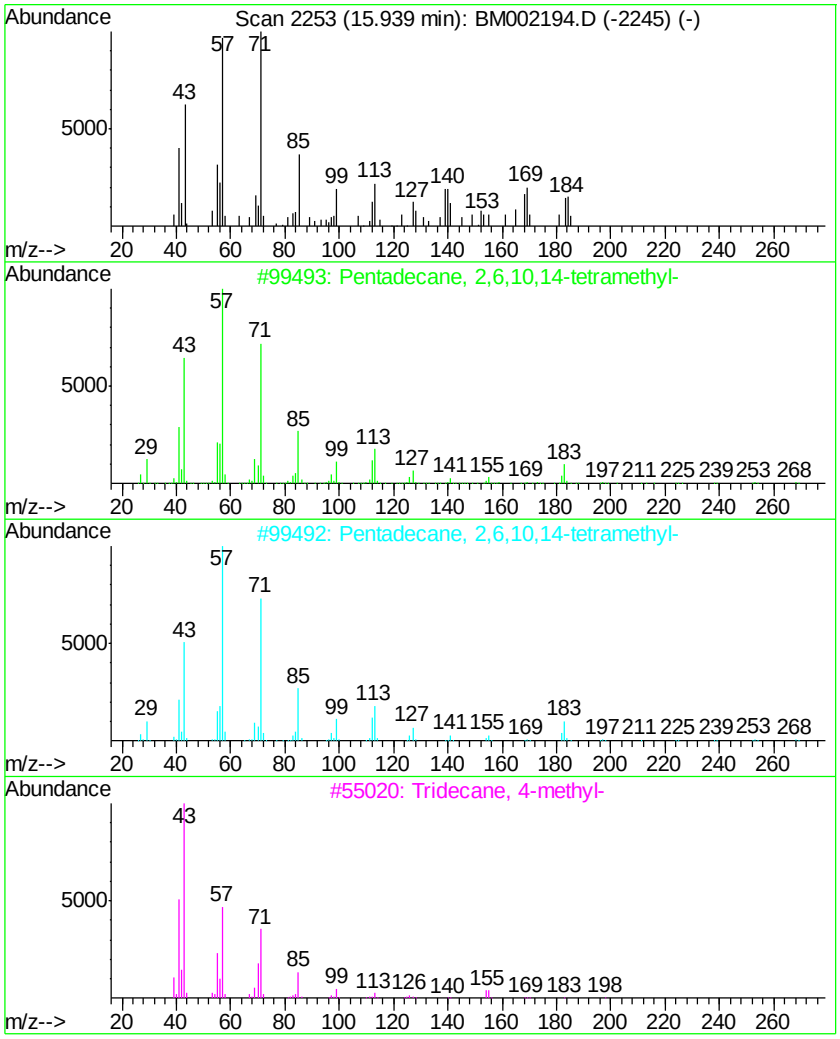
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

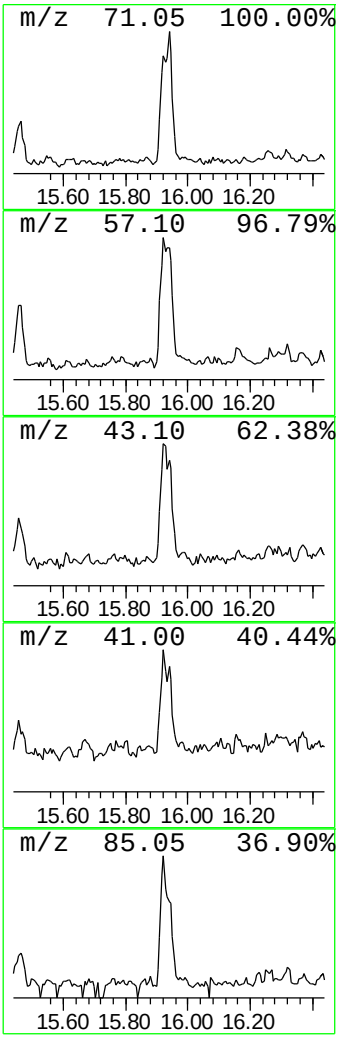
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.94	2.19 ng/ul	121779	Phenanthrene-d10	16.96

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentadecane, 2,6,10,14-tetramethyl-	268	C19H40	001921-70-6	58
2	Pentadecane, 2,6,10,14-tetramethyl-	268	C19H40	001921-70-6	52
3	Tridecane, 4-methyl-	198	C14H30	026730-12-1	46
4	Pentadecane, 7-methyl-	226	C16H34	006165-40-8	38
5	Allyl 2-ethyl butyrate	156	C9H16O2	007493-69-8	35





Data Path : Z:\HPCHEM1\BNA_M\DATA\BM080315\
Data File : BM002194.D
Acq On : 03 Aug 2015 13:03
Operator : TP/UM
Sample : G3073-18
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C02G3

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM072715.M
Quant Title : SVOA CALIBRATION

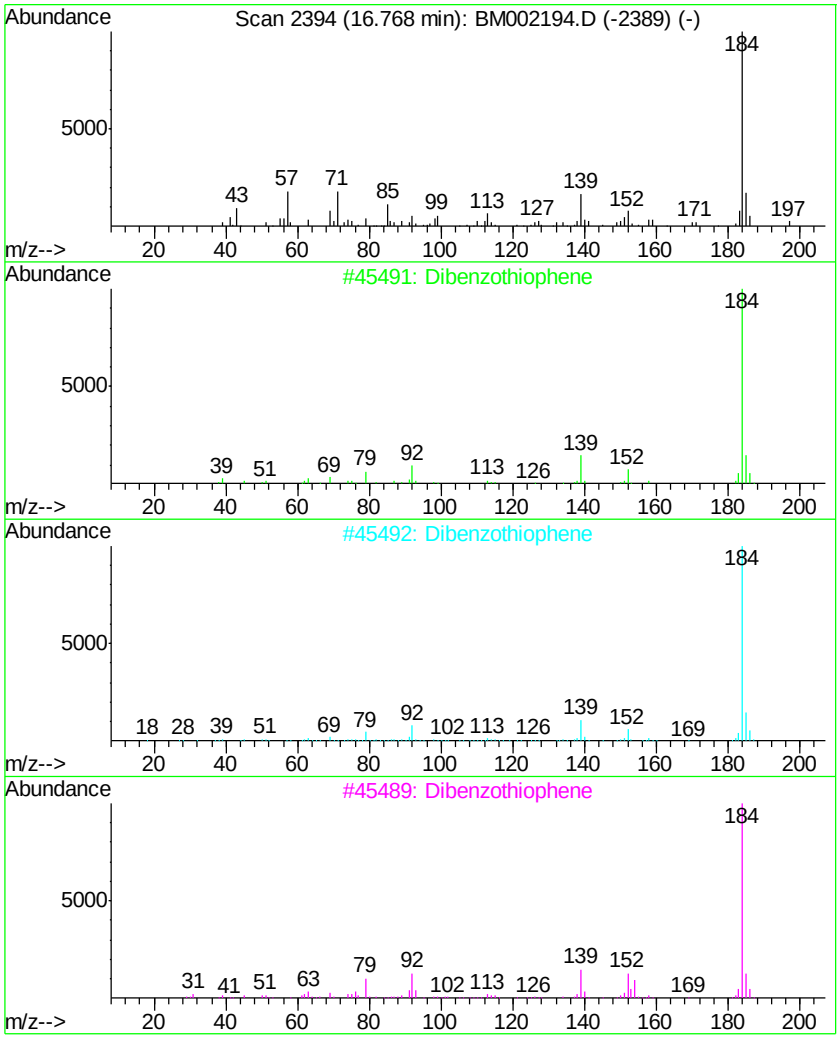
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

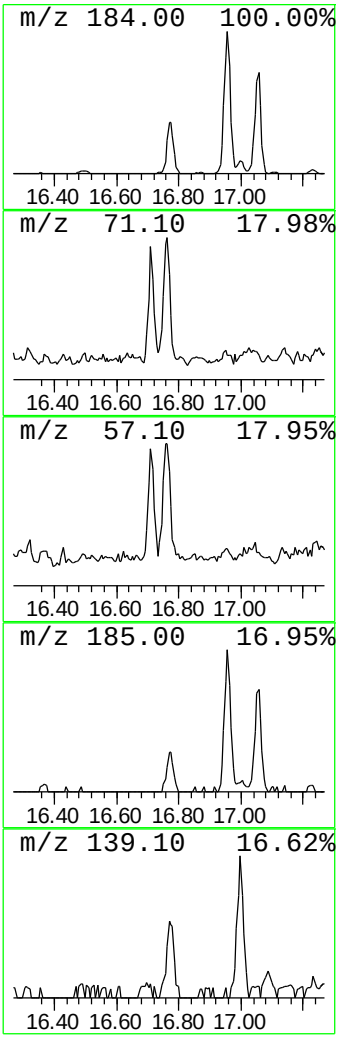
****

Peak Number 3 Dibenzothiophene Concentration Rank 23

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.77	2.18 ng/ul	120716	Phenanthrene-d10	16.96

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzothiophene	184	C12H8S	000132-65-0	87
2	Dibenzothiophene	184	C12H8S	000132-65-0	87
3	Dibenzothiophene	184	C12H8S	000132-65-0	87
4	Azuleno(2,1-b)thiophene	184	C12H8S	000248-13-5	83
5	Dibenzothiophene	184	C12H8S	000132-65-0	83





Data Path : Z:\HPCHEM1\BNA_M\DATA\BM080315\
Data File : BM002194.D
Acq On : 03 Aug 2015 13:03
Operator : TP/UM
Sample : G3073-18
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C02G3

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM072715.M
Quant Title : SVOA CALIBRATION

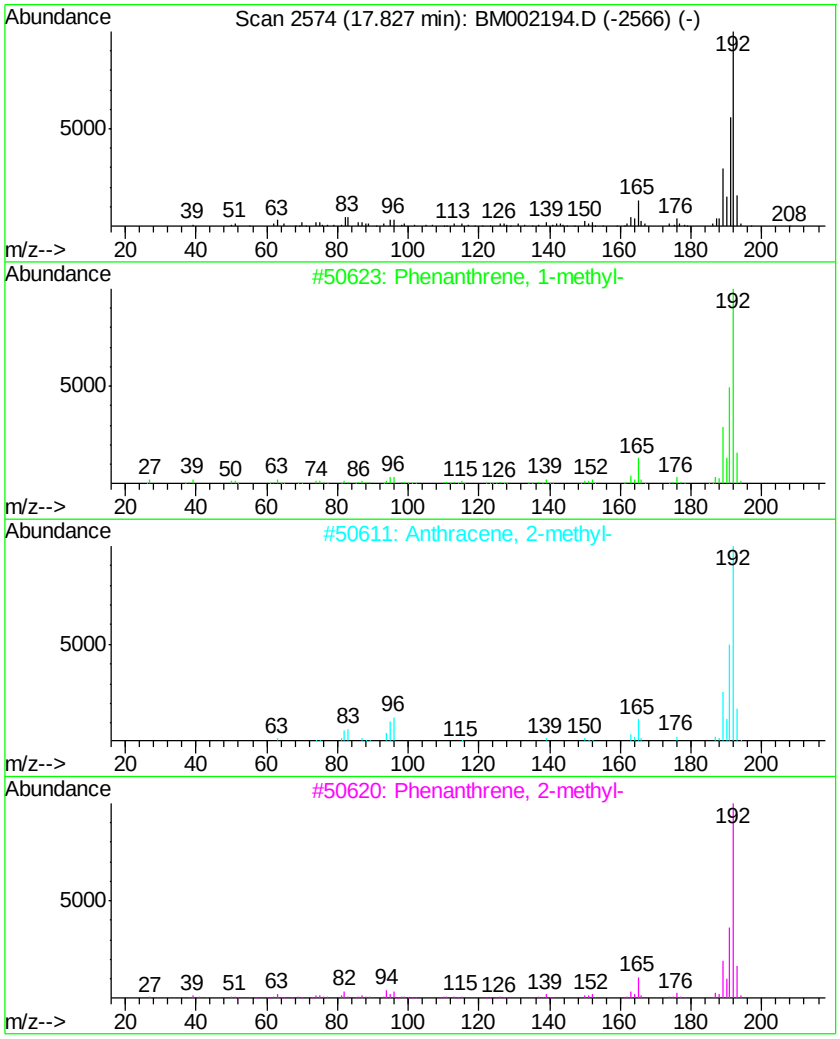
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

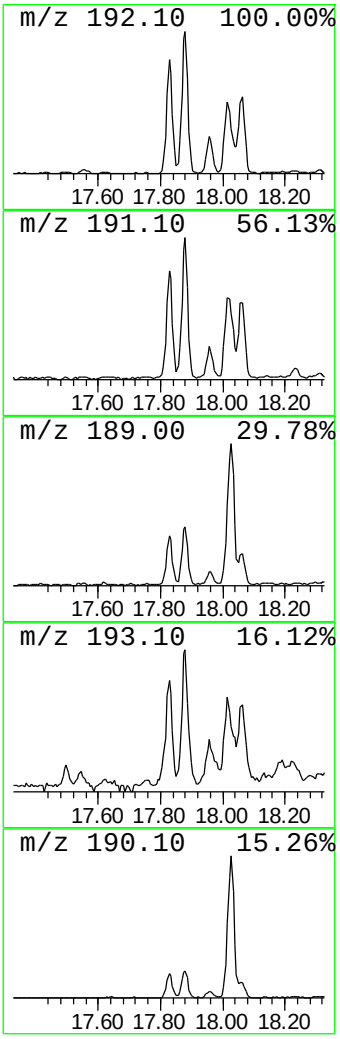
****

Peak Number 4 Phenanthrene, 1-methyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.83	3.41 ng/ul	189378	Phenanthrene-d10	16.96

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	97
2	Anthracene, 2-methyl-	192	C15H12	000613-12-7	95
3	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	94
4	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	94
5	Anthracene, 2-methyl-	192	C15H12	000613-12-7	94





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM080315\
Data File : BM002194.D
Acq On : 03 Aug 2015 13:03
Operator : TP/UM
Sample : G3073-18
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C02G3

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM072715.M
Quant Title : SVOA CALIBRATION

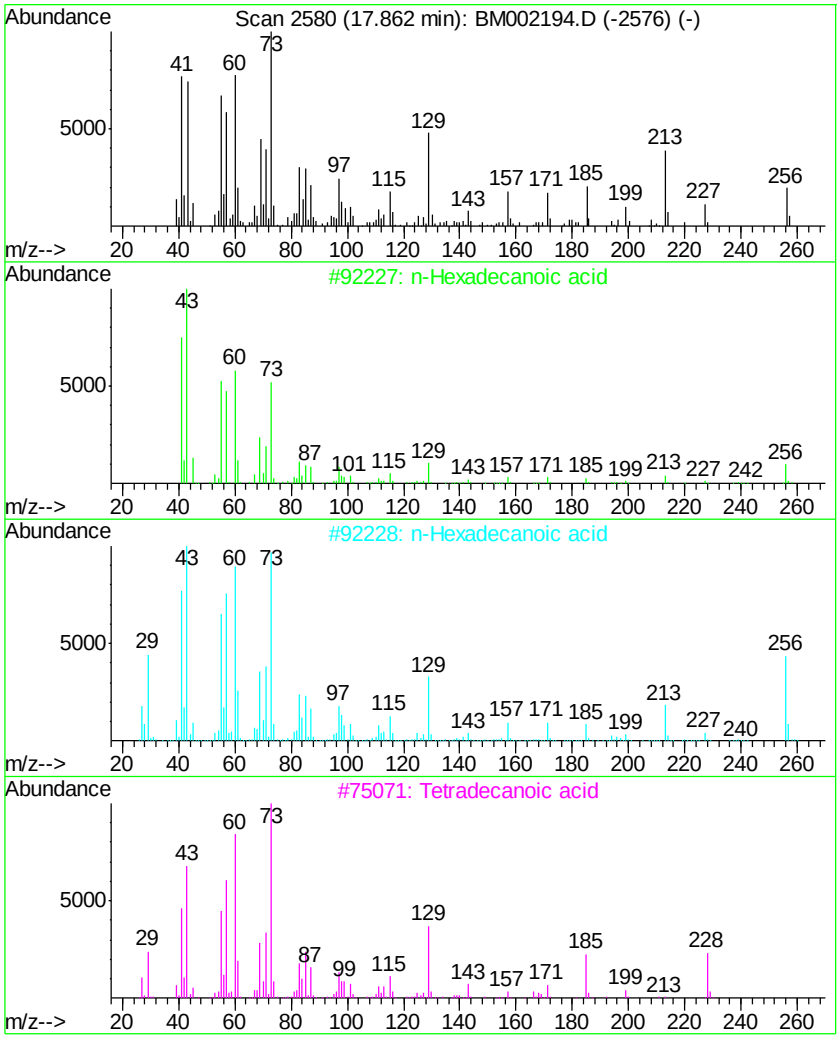
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

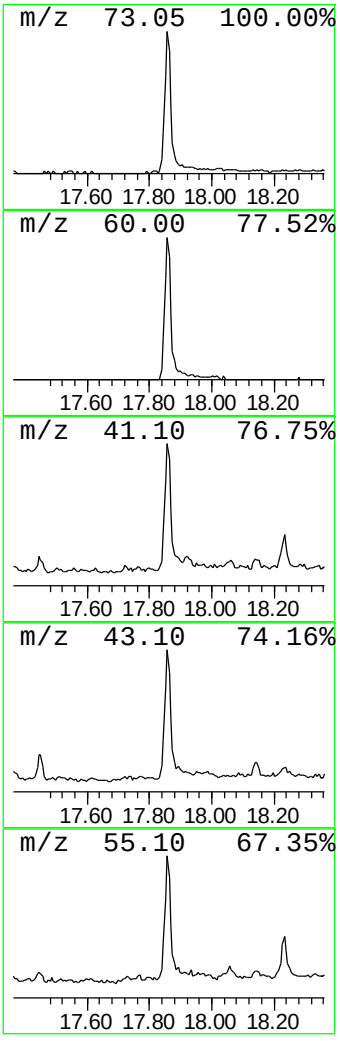
****

Peak Number 5 n-Hexadecanoic acid Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.86	11.02 ng/ul	611614	Phenanthrene-d10	16.96

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	97
3	Tetradecanoic acid	228	C14H28O2	000544-63-8	95
4	Tetradecanoic acid	228	C14H28O2	000544-63-8	89
5	Tetradecanoic acid	228	C14H28O2	000544-63-8	86





Data Path : Z:\HPCHEM1\BNA_M\DATA\BM080315\
Data File : BM002194.D
Acq On : 03 Aug 2015 13:03
Operator : TP/UM
Sample : G3073-18
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C02G3

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM072715.M
Quant Title : SVOA CALIBRATION

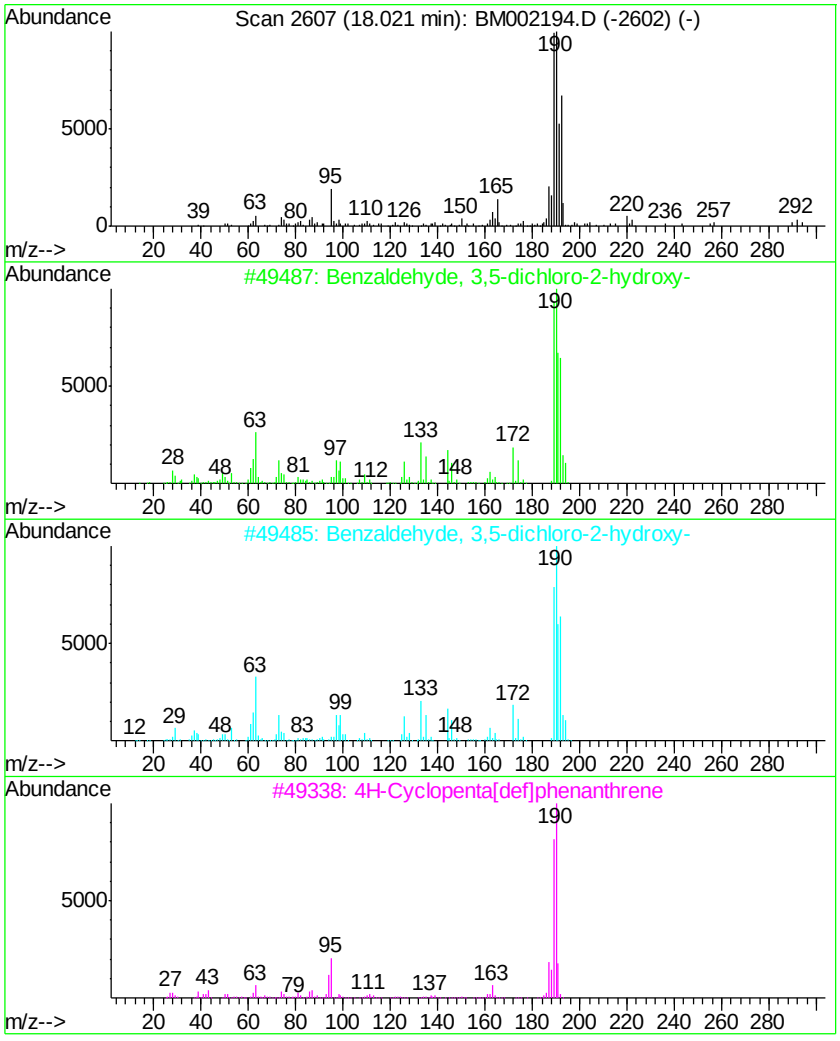
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

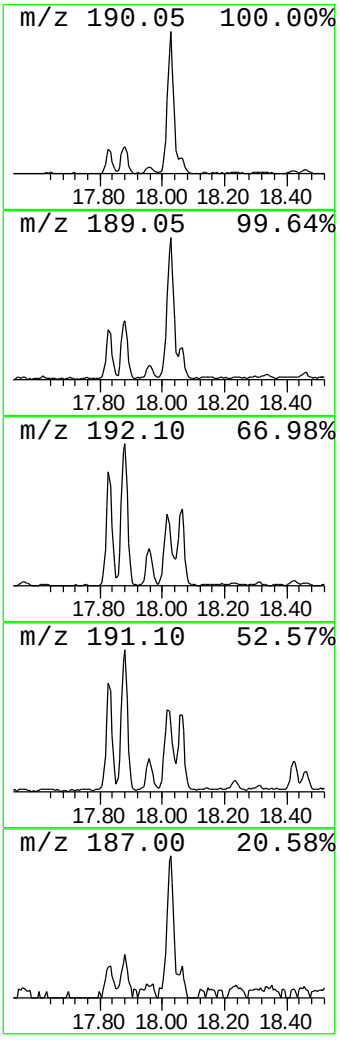
****

Peak Number 6 Benzaldehyde, 3,5-dichloro-... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.02	5.10 ng/ul	282923	Phenanthrene-d10	16.96

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzaldehyde, 3,5-dichloro-2-hyd...	190	C7H4Cl2O2	000090-60-8	72
2	Benzaldehyde, 3,5-dichloro-2-hyd...	190	C7H4Cl2O2	000090-60-8	72
3	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	64
4	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	62
5	Pyrazole-4-carboxaldehyde, 3-(4-...	190	C10H7FN2O	306936-57-2	43





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Acq On : 03 Aug 2015 13:03
Operator : TP/UM
Sample : G3073-18
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C02G3

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM072715.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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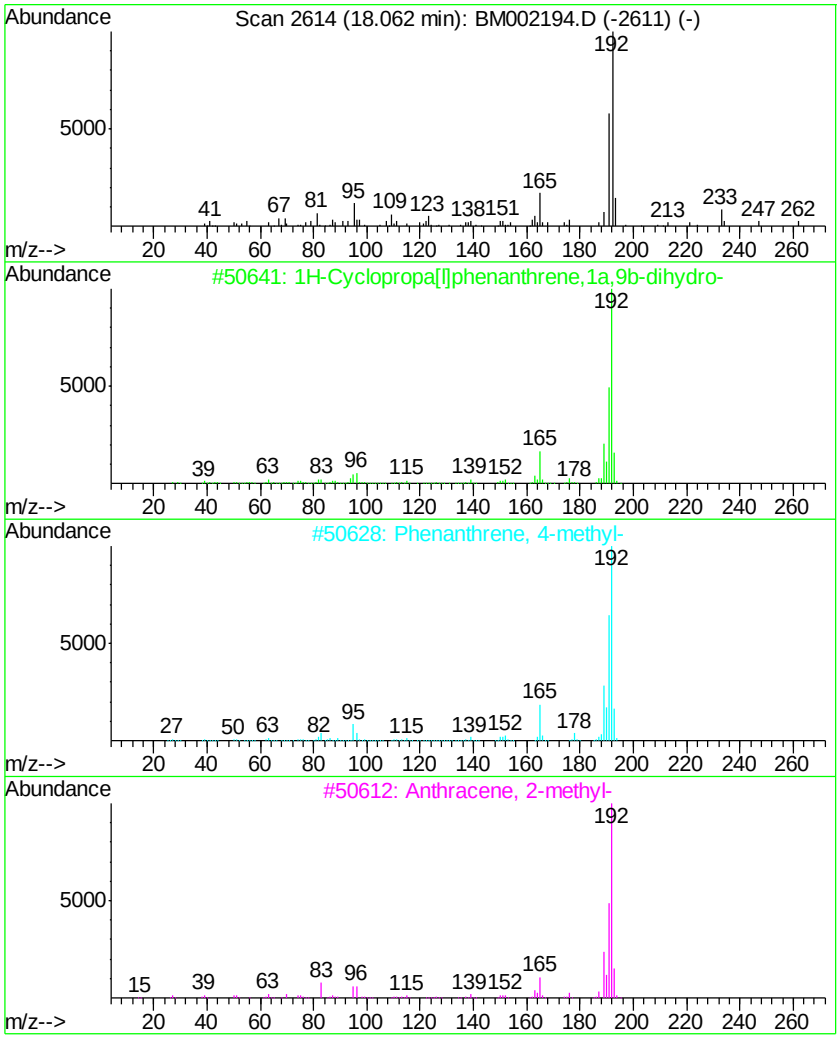
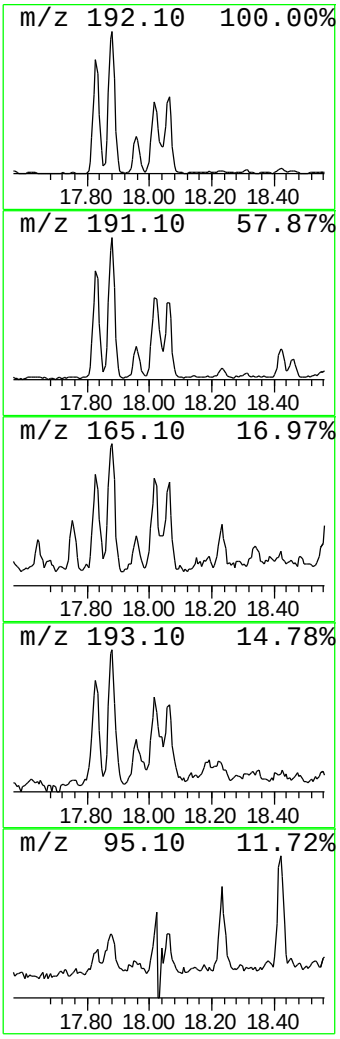
Peak Number 7 1H-Cyclopropa[l]phenanthren... Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.06	2.75 ng/ul	152592	Phenanthrene-d10	16.96

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	90
2	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	90
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	87
4	Anthracene, 1-methyl-	192	C15H12	000610-48-0	87
5	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	87





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Acq On : 03 Aug 2015 13:03
Operator : TP/UM
Sample : G3073-18
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C02G3

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM072715.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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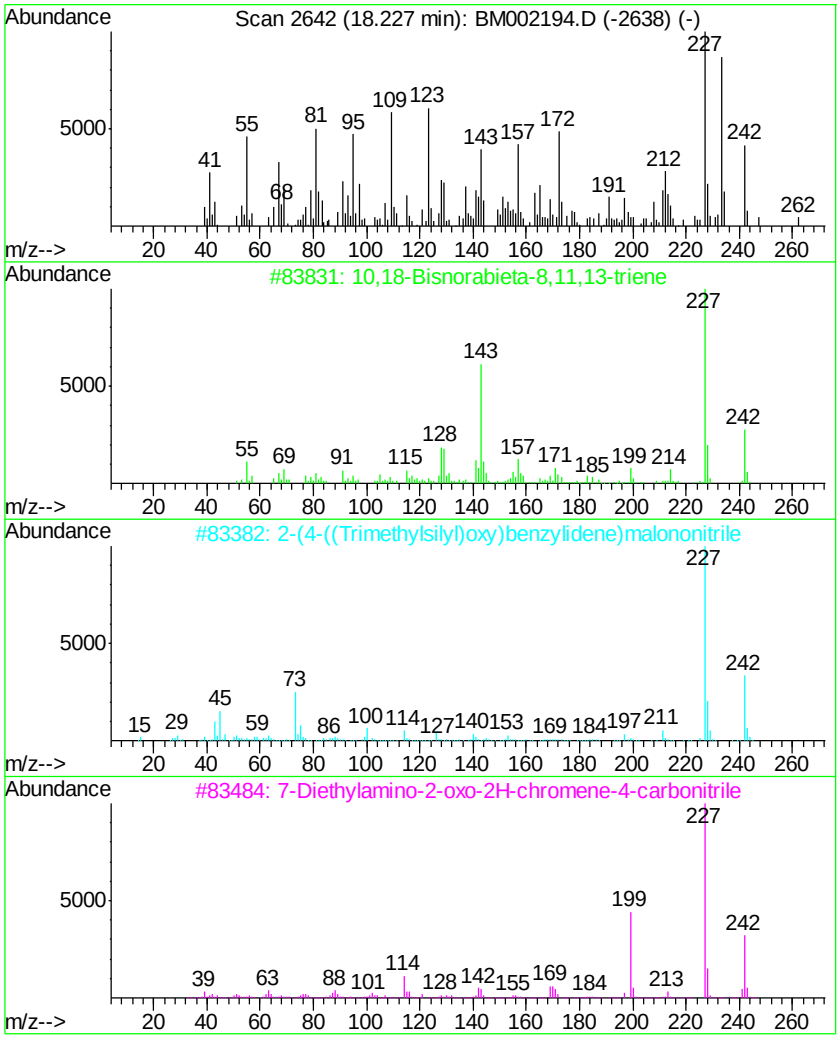
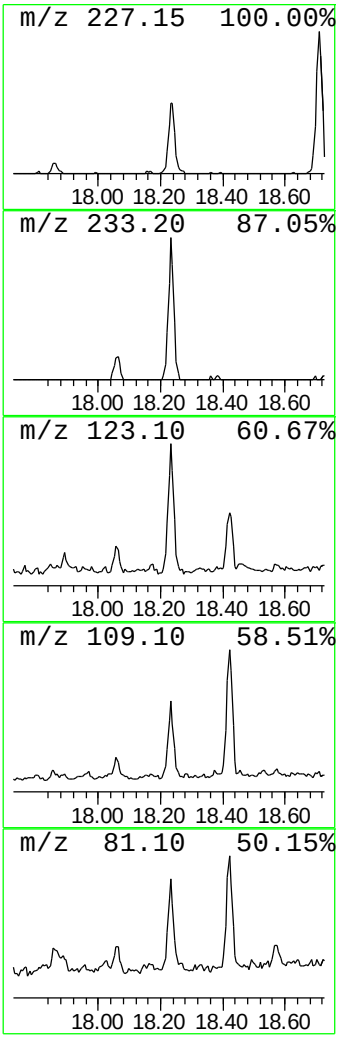
Peak Number 8 unknown-01 Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.23	4.99 ng/ul	276648	Phenanthrene-d10	16.96

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	10,18-Bisnorabieta-8,11,13-triene	242	C18H26	032624-67-2	38
2	2-(4-((Trimethylsilyl)oxy)benzyl...	242	C13H14N2OSi	1000297-99-1	22
3	7-Diethylamino-2-oxo-2H-chromene...	242	C14H14N2O2	332411-59-3	22
4	1,4-Naphthalenedione, 2-hydroxy-...	242	C15H14O3	004042-39-1	22
5	2-(2'-Methoxyphenyl)-2-(4'-hydro...	242	C16H18O2	1000283-53-1	18





Library Search Compound Report

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Data File : BM002194.D
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Operator : TP/UM
Sample : G3073-18
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C02G3

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM072715.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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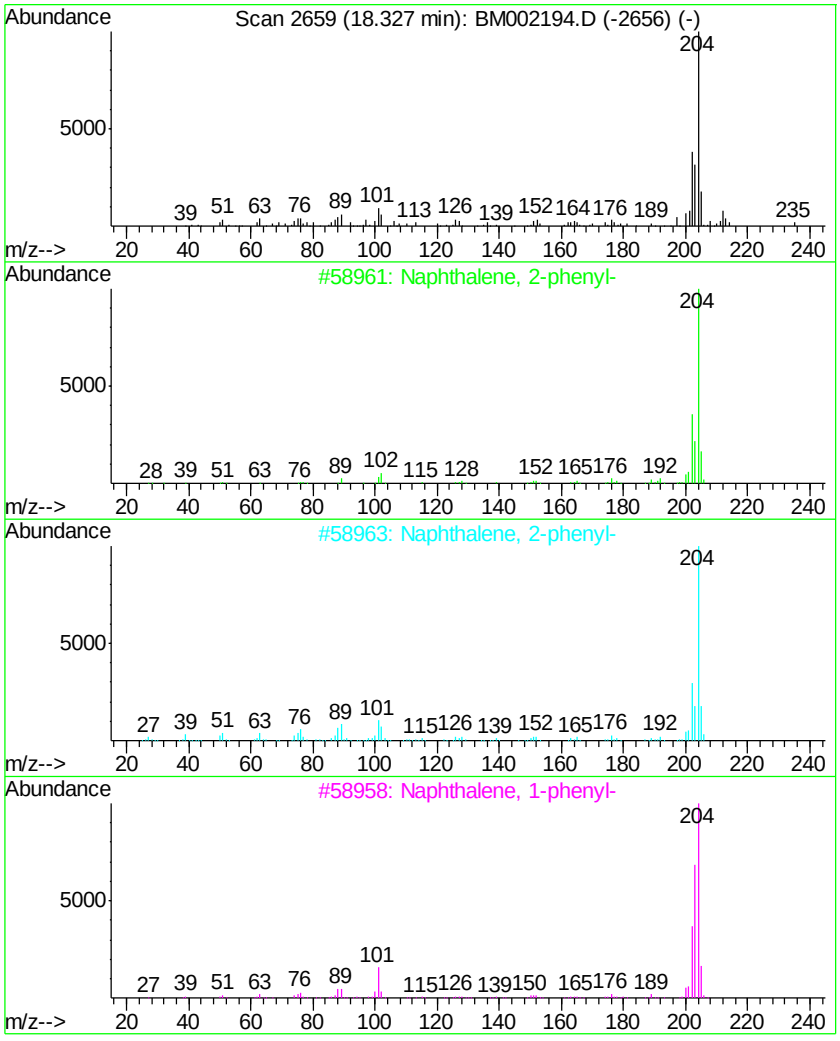
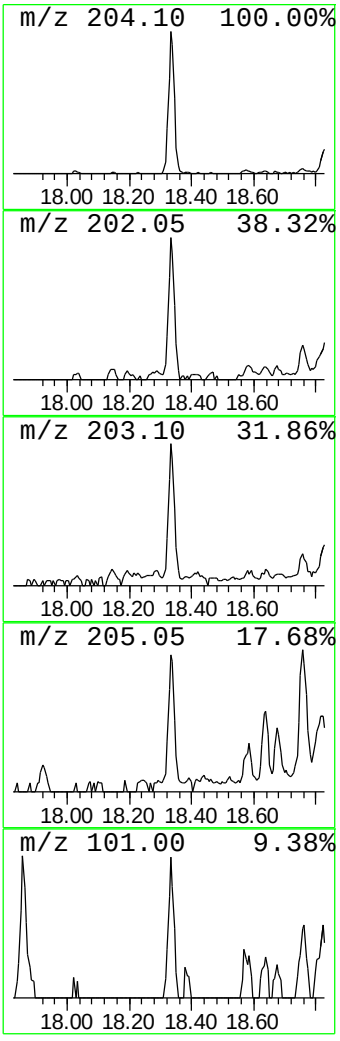
Peak Number 9 Naphthalene, 2-phenyl- Concentration Rank 25

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.33	2.05 ng/ul	113703	Phenanthrene-d10	16.96

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	76
2	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	70
3	Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	64
4	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	64
5	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	64





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Operator : TP/UM
Sample : G3073-18
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C02G3

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM072715.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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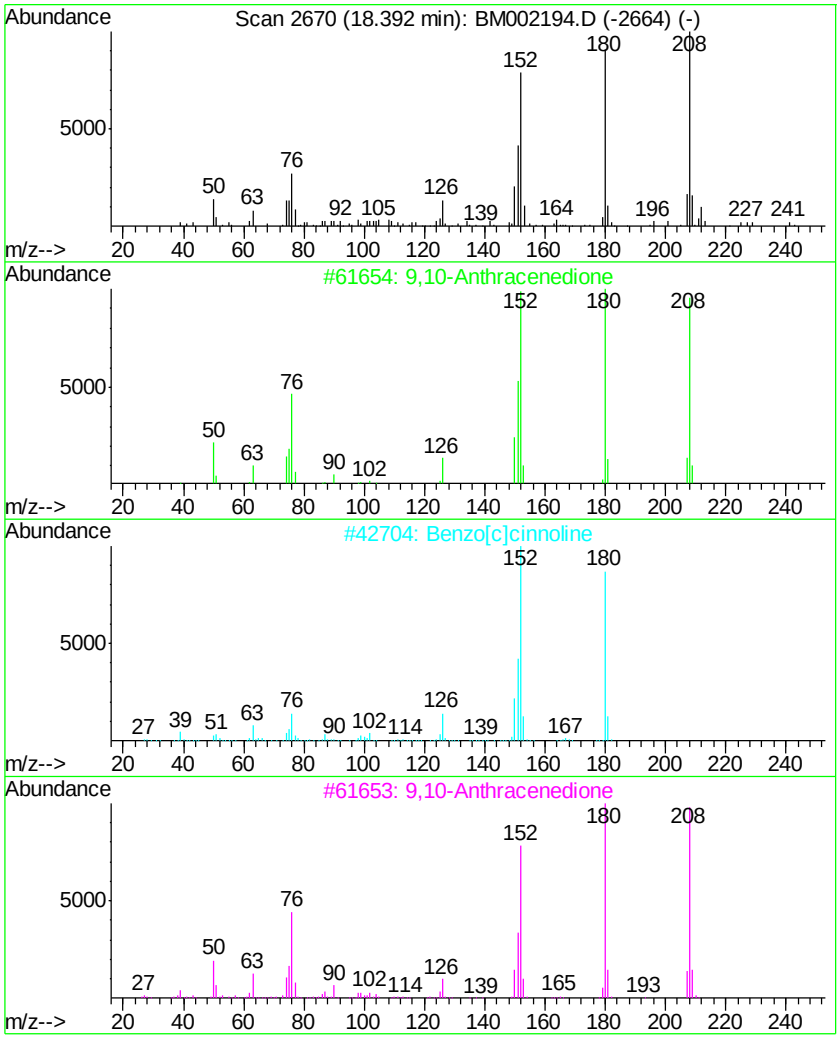
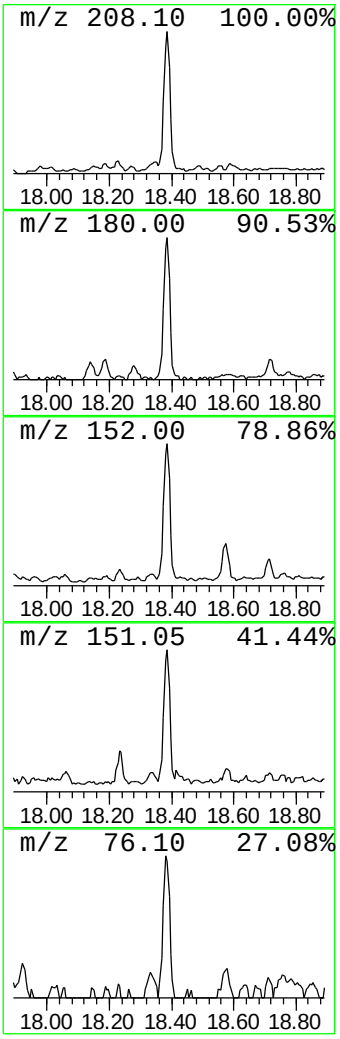
Peak Number 10 9,10-Anthracenedione Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.39	2.88 ng/ul	159809	Phenanthrene-d10	16.96

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Anthracenedione	208	C14H8O2	000084-65-1	98
2	Benzo[c]cinnoline	180	C12H8N2	000230-17-1	96
3	9,10-Anthracenedione	208	C14H8O2	000084-65-1	93
4	9,10-Anthracenedione	208	C14H8O2	000084-65-1	89
5	9H-Fluoren-9-one	180	C13H8O	000486-25-9	70





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Operator : TP/UM
Sample : G3073-18
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C02G3

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM072715.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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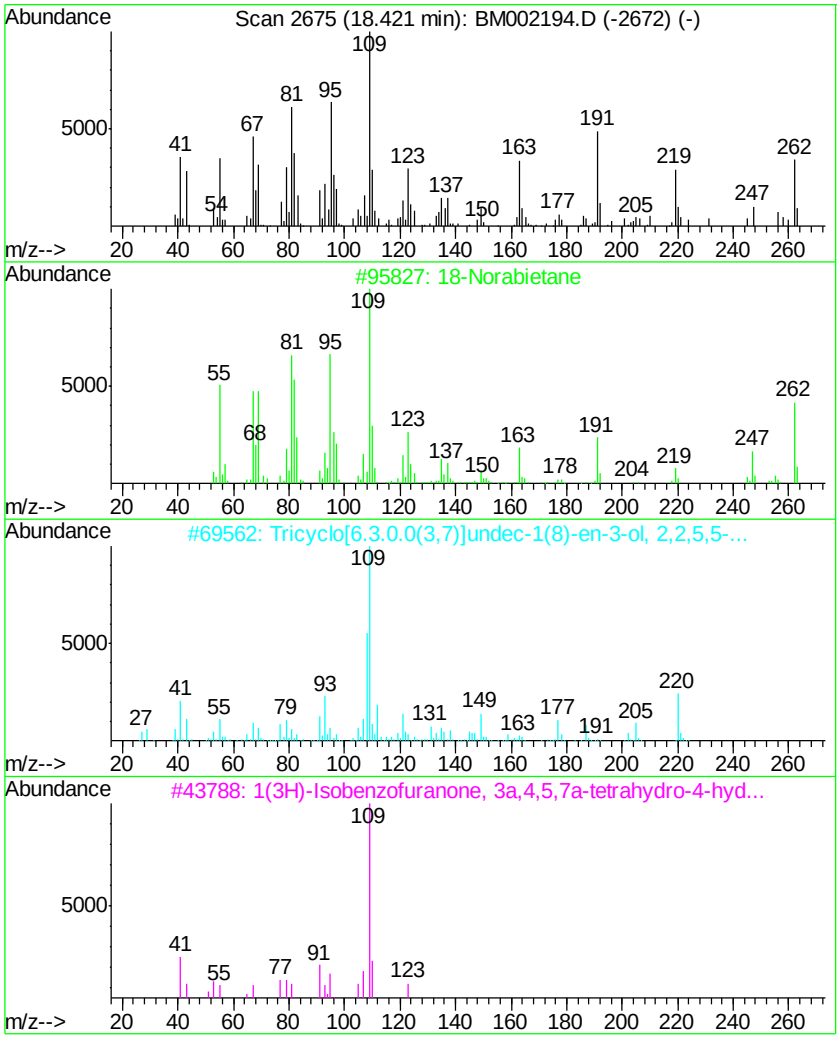
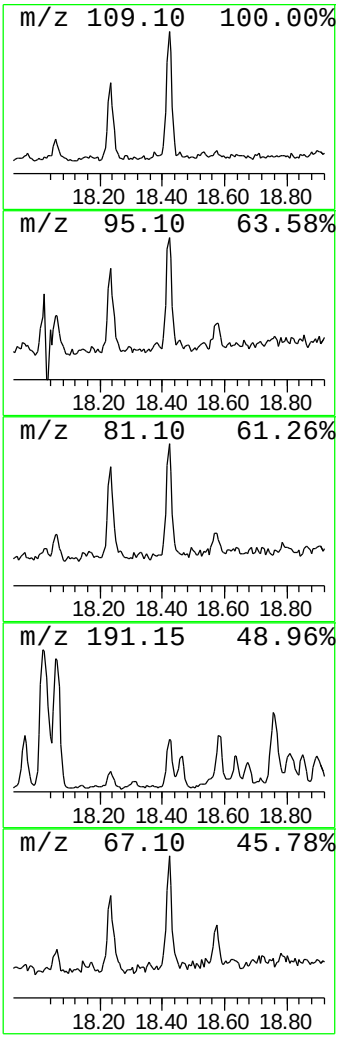
Peak Number 11 18-Norabietane Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.42	3.69 ng/ul	204906	Phenanthrene-d10	16.96

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	18-Norabietane	262	C19H34	1000293-16-6	93
2	Tricyclo[6.3.0.0(3,7)]undec-1(8)...	220	C15H24O	1000164-02-8	25
3	1(3H)-Isobenzofuranone, 3a,4,5,7...	182	C10H14O3	054346-06-4	22
4	(7,7-Dimethyl-2-oxobicyclo[2.2.1...	250	C10H15ClO3S	1000194-76-1	22
5	2(1H)-Pyridinone, 1-methyl-	109	C6H7NO	000694-85-9	18





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Operator : TP/UM
Sample : G3073-18
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C02G3

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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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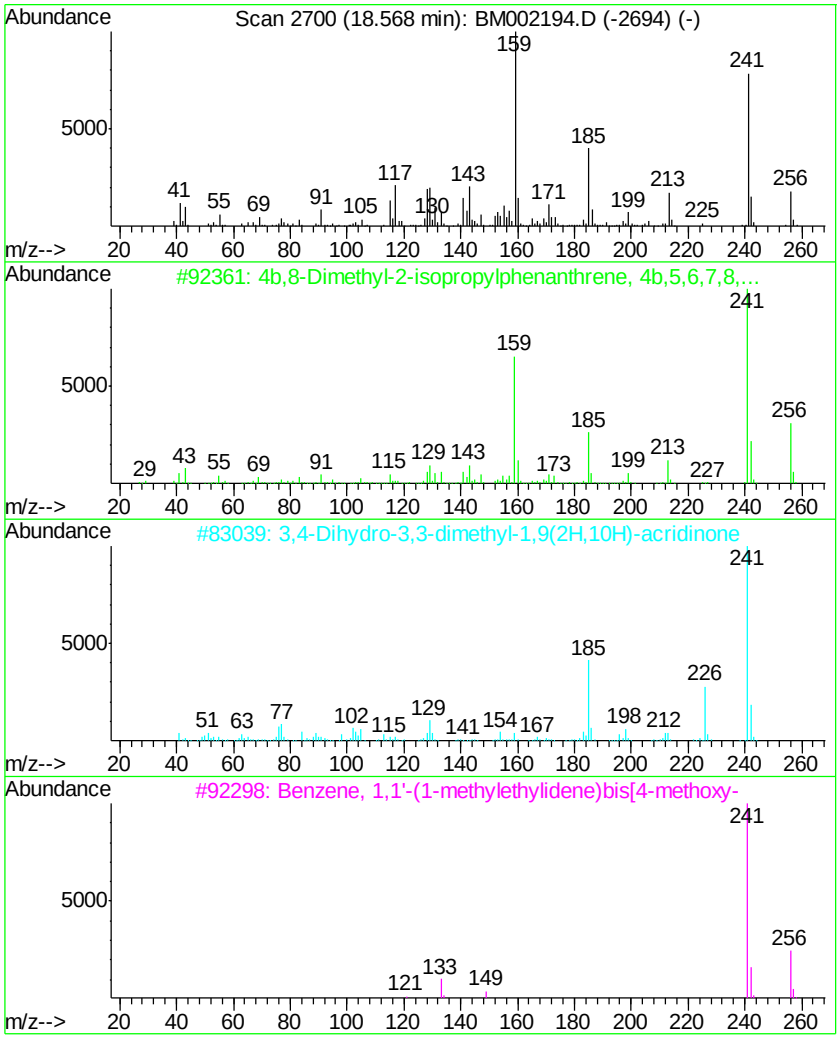
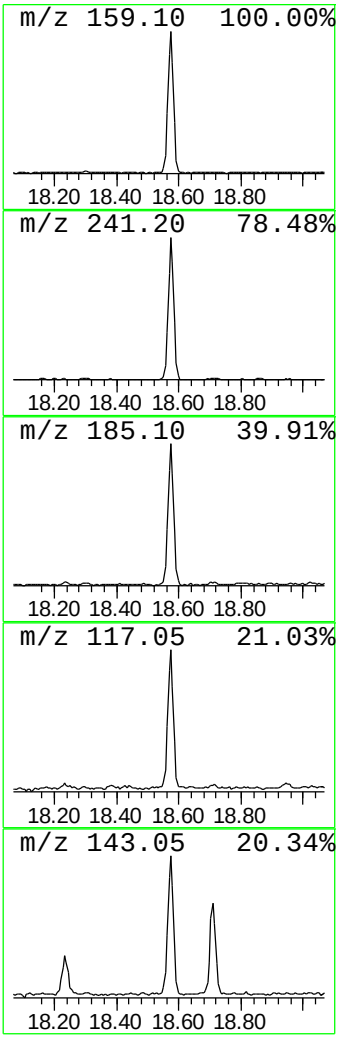
Peak Number 12 4b,8-Dimethyl-2-isopropylph... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.57	14.87 ng/ul	825149	Phenanthrene-d10	16.96

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4b,8-Dimethyl-2-isopropylphenant...	256	C19H28	1000197-14-1	96
2	3,4-Dihydro-3,3-dimethyl-1,9(2H,...	241	C15H15NO2	1000212-95-2	38
3	Benzene, 1,1'-(1-methylethyliden...	256	C17H20O2	001568-83-8	27
4	As-Indacene, 1,2,3,6,7,8-hexahyd...	256	C19H28	017465-47-3	27
5	1H-Benz[de]isoquinoline-1,3(2H)-...	241	C14H11NO3	055133-82-9	25





Library Search Compound Report

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Operator : TP/UM
Sample : G3073-18
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C02G3

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM072715.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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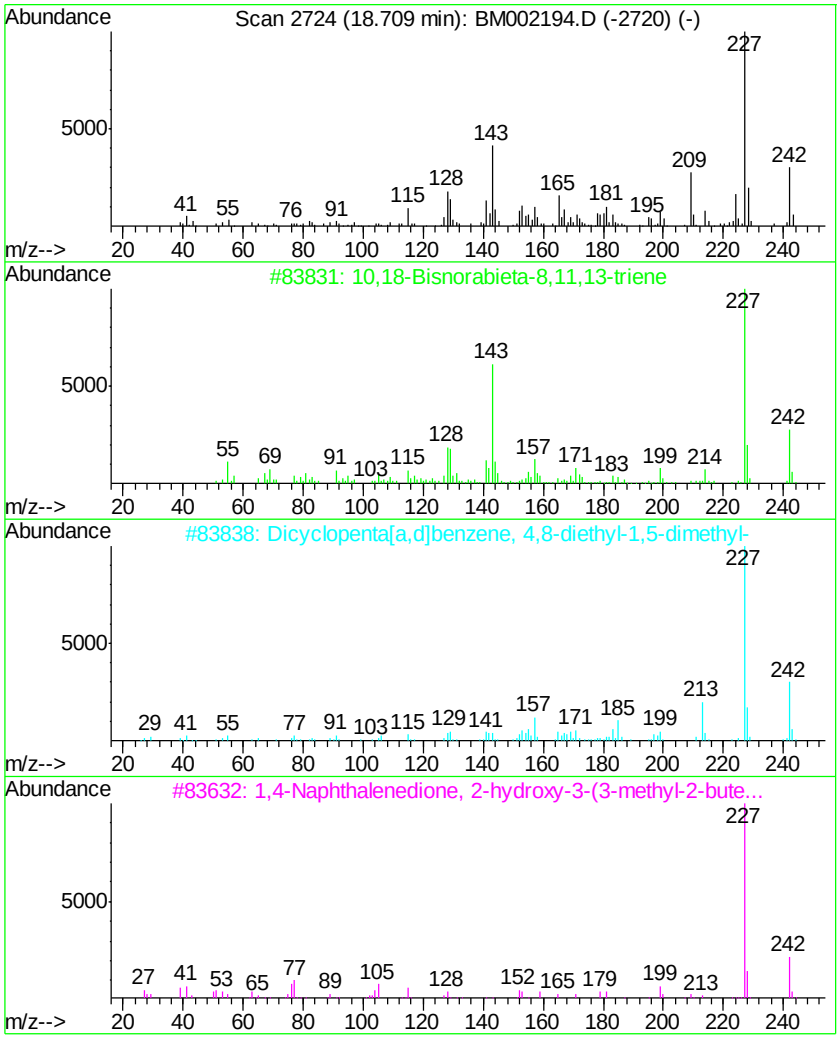
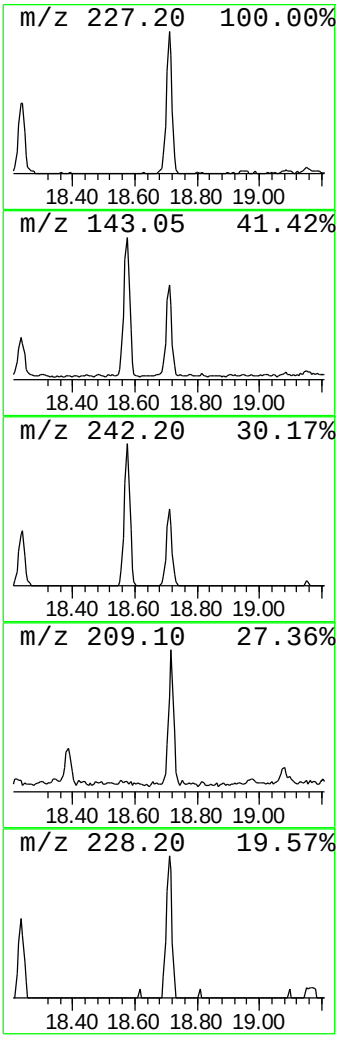
Peak Number 13 10,18-Bisnorabieta-8,11,13-... Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.71	3.38 ng/ul	187397	Phenanthrene-d10	16.96

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	10,18-Bisnorabieta-8,11,13-triene	242	C18H26	032624-67-2	94
2	Dicyclopenta[a,d]benzene, 4,8-di...	242	C18H26	1000156-41-6	70
3	1,4-Naphthalenedione, 2-hydroxy-...	242	C15H14O3	000084-79-7	53
4	Benzo[d]pyrazolo[3,4-b]azepin-3(...	227	C13H13N3O	263550-89-6	52
5	s-Indacene-1,7-dione, 2,3,5,6-te...	242	C16H18O2	055591-17-8	49





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Operator : TP/UM
Sample : G3073-18
Misc :
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Instrument : BNA_M
ClientSampleId : C02G3

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM072715.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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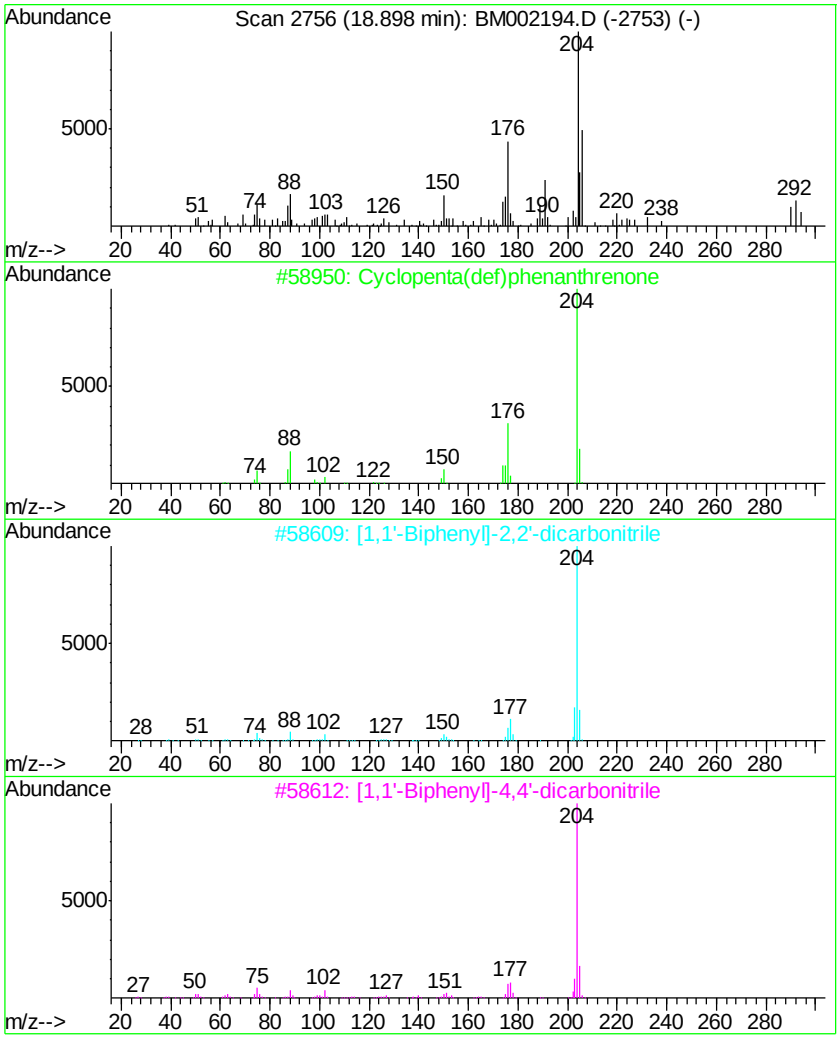
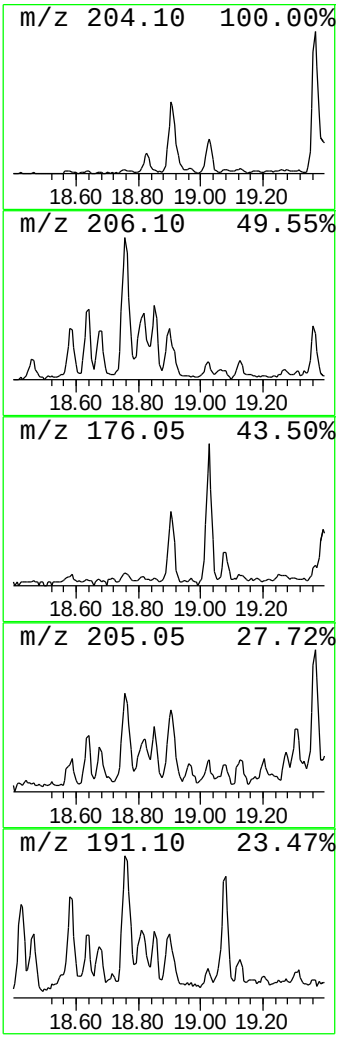
Peak Number 14 Cyclopenta(def)phenanthrenone Concentration Rank 24

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.90	2.14 ng/ul	118979	Phenanthrene-d10	16.96

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	90
2	[1,1'-Biphenyl]-2,2'-dicarbonitrile	204	C14H8N2	004341-02-0	50
3	[1,1'-Biphenyl]-4,4'-dicarbonitrile	204	C14H8N2	001591-30-6	50
4	1,2,4,8-Tetramethylbicyclo[6.3.0...	204	C15H24	137235-51-9	49
5	[1,1'-Biphenyl]-4,4'-dicarbonitrile	204	C14H8N2	001591-30-6	47





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Sample : G3073-18
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C02G3

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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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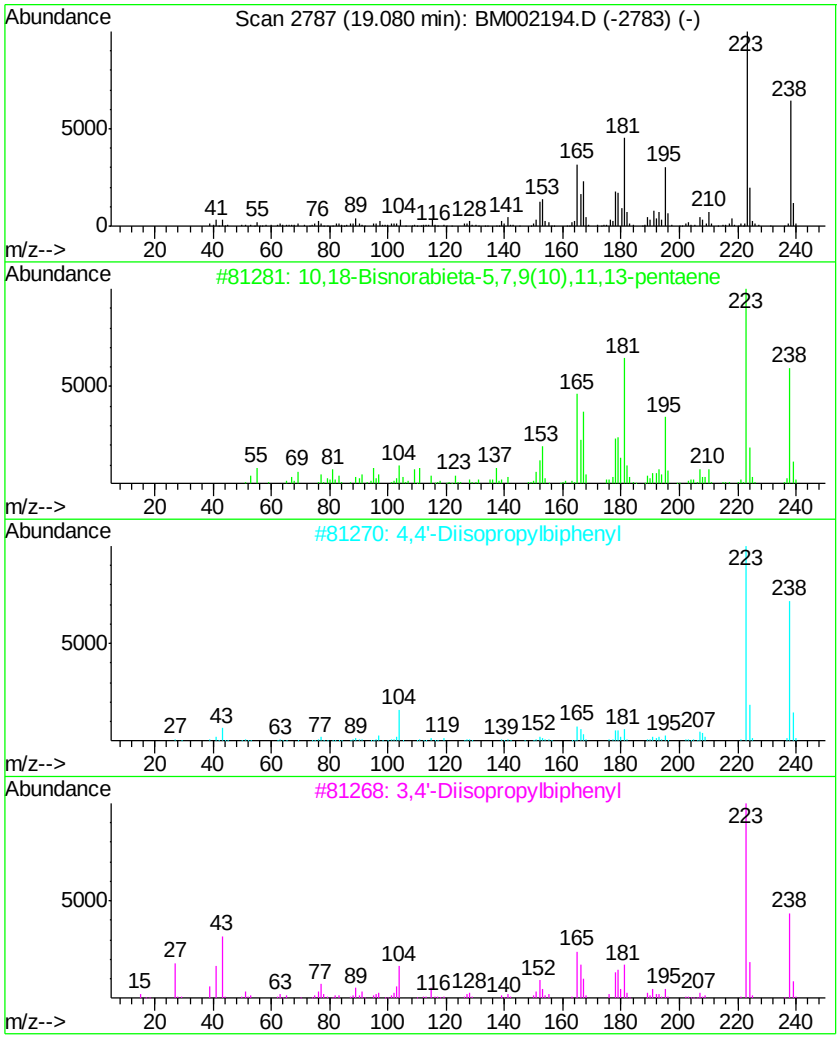
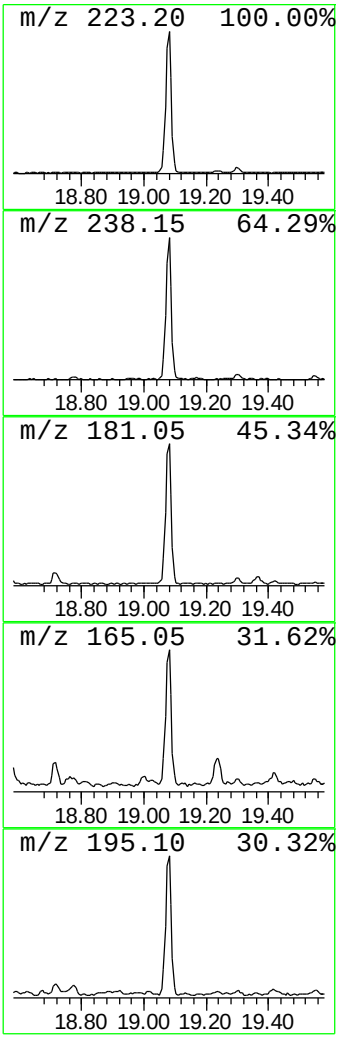
Peak Number 15 10,18-Bisnorabieta-5,7,9(10... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.08	5.43 ng/ul	659870	Chrysene-d12	21.17

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	10,18-Bisnorabieta-5,7,9(10),11,...	238	C18H22	006566-19-4	99
2	4,4'-Diisopropylbiphenyl	238	C18H22	018970-30-4	64
3	3,4'-Diisopropylbiphenyl	238	C18H22	061434-46-6	59
4	4,4'-Diisopropylbiphenyl	238	C18H22	018970-30-4	58
5	3,3'-Diacetylbiphenyl	238	C16H14O2	094113-07-2	53





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Sample : G3073-18
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C02G3

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM072715.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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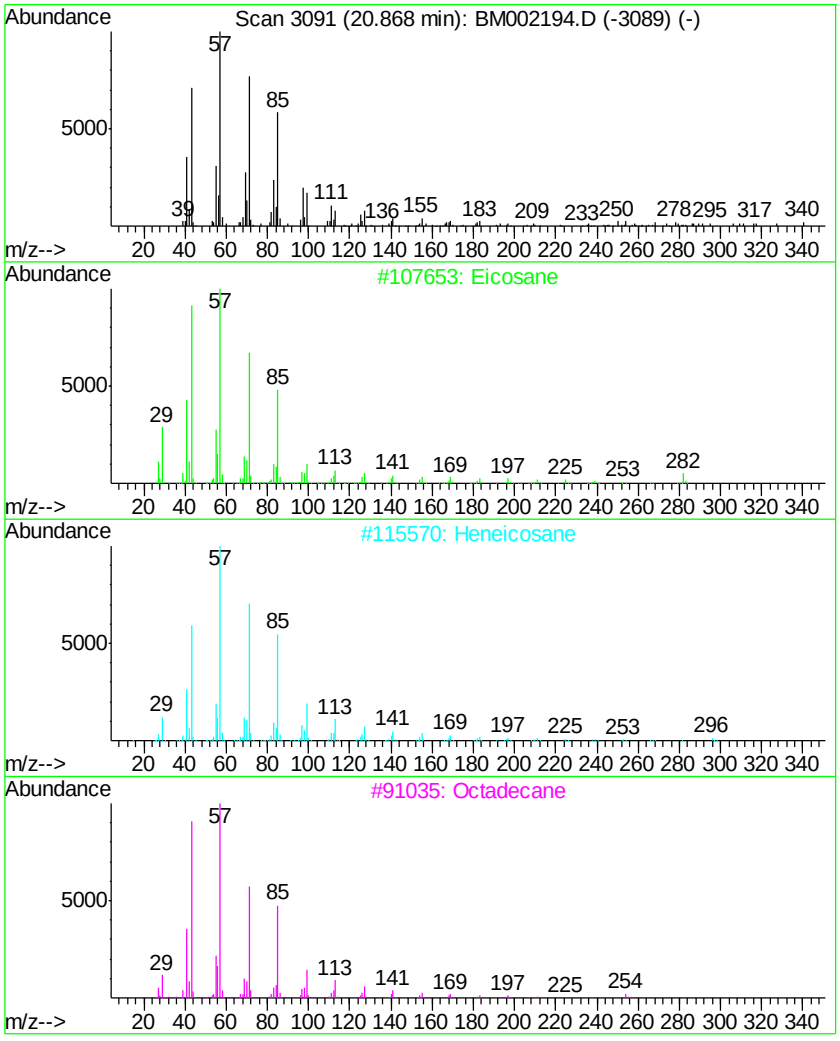
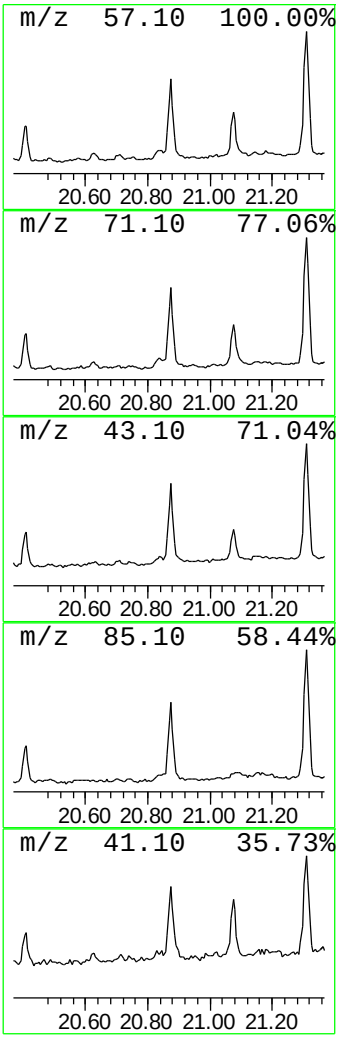
Peak Number 16 (DEL) Alkane: Straight-Chai... Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.87	3.35 ng/ul	406948	Chrysene-d12	21.17

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Eicosane	282	C20H42	000112-95-8	93
2	Heneicosane	296	C21H44	000629-94-7	89
3	Octadecane	254	C18H38	000593-45-3	89
4	Hexadecane	226	C16H34	000544-76-3	89
5	Octadecane	254	C18H38	000593-45-3	87





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Operator : TP/UM
Sample : G3073-18
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C02G3

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM072715.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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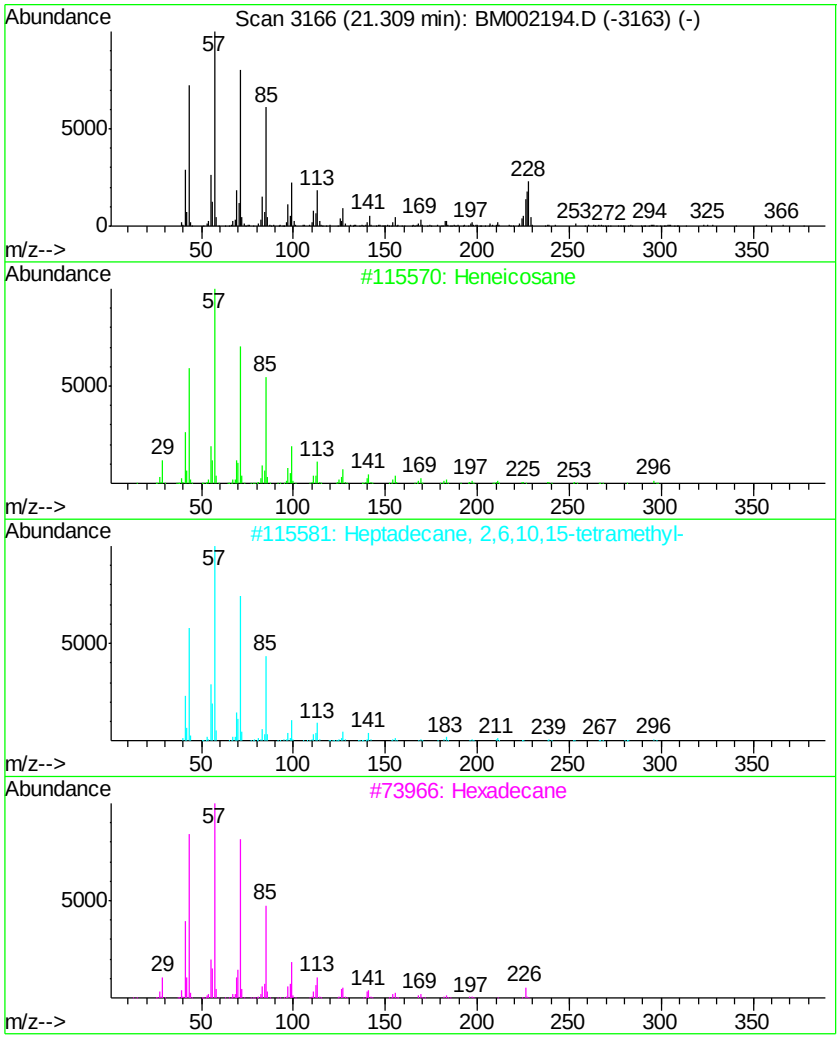
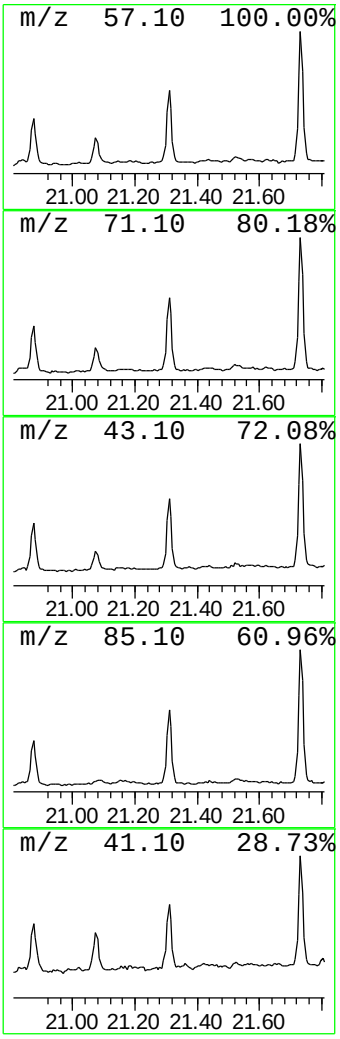
Peak Number 17 (DEL) Alkane: Straight-Chai... Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.31	3.69 ng/ul	447906	Chrysene-d12	21.17

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heneicosane	296	C21H44	000629-94-7	97
2	Heptadecane, 2,6,10,15-tetramethyl-	296	C21H44	054833-48-6	93
3	Hexadecane	226	C16H34	000544-76-3	90
4	Docosane	310	C22H46	000629-97-0	74
5	Heptadecane	240	C17H36	000629-78-7	74





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Data File : BM002194.D
Acq On : 03 Aug 2015 13:03
Operator : TP/UM
Sample : G3073-18
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C02G3

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM072715.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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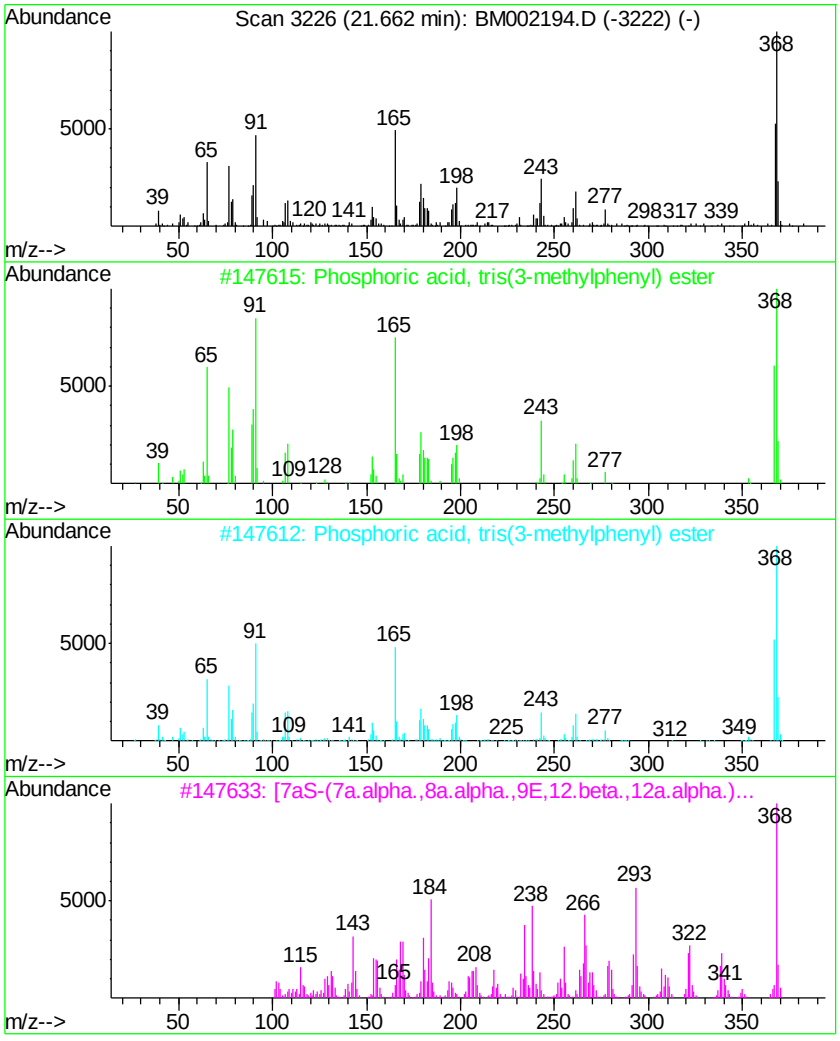
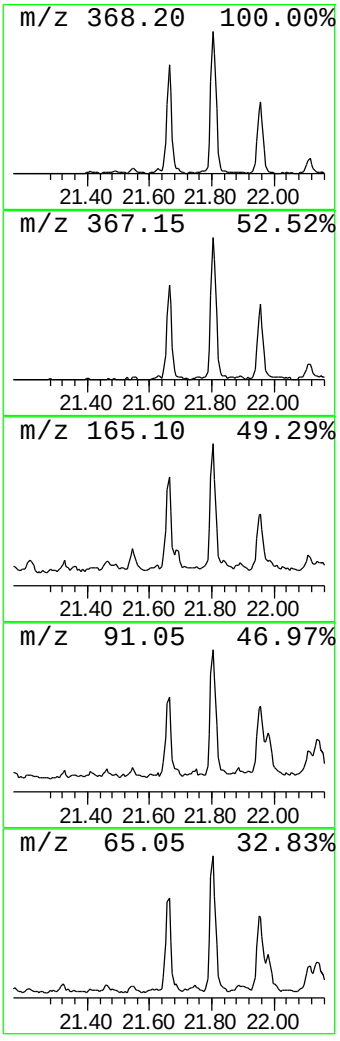
Peak Number 18 Phosphoric acid, tris(3-met... Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.66	2.88 ng/ul	349530	Chrysene-d12	21.17

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phosphoric acid, tris(3-methylph...	368	C21H21O4P	000563-04-2	99
2	Phosphoric acid, tris(3-methylph...	368	C21H21O4P	000563-04-2	98
3	[7aS-(7a.alpha.,8a.alpha.,9E,12....	368	C21H24N2O4	030809-15-5	91
4	Phosphoric acid, tris(4-methylph...	368	C21H21O4P	000078-32-0	58
5	Phosphoric acid, tris(2-methylph...	368	C21H21O4P	000078-30-8	49





Data Path : Z:\HPCHEM1\BNA_M\DATA\BM080315\
Data File : BM002194.D
Acq On : 03 Aug 2015 13:03
Operator : TP/UM
Sample : G3073-18
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C02G3

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM072715.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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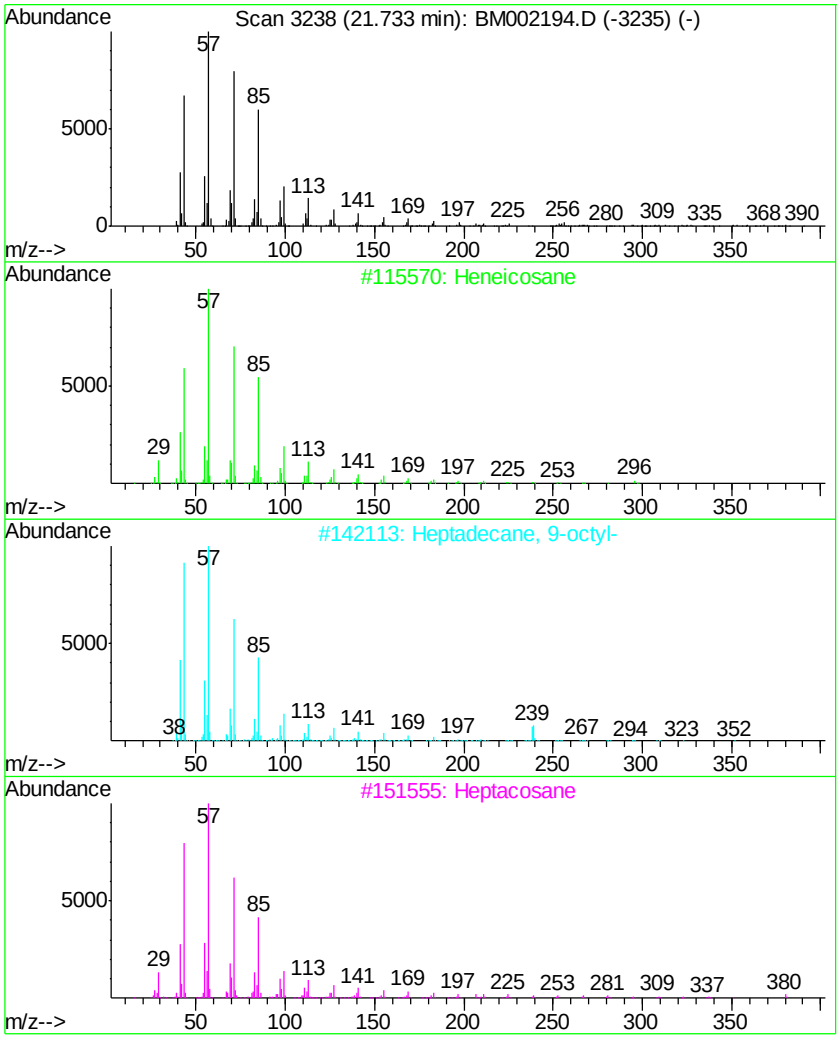
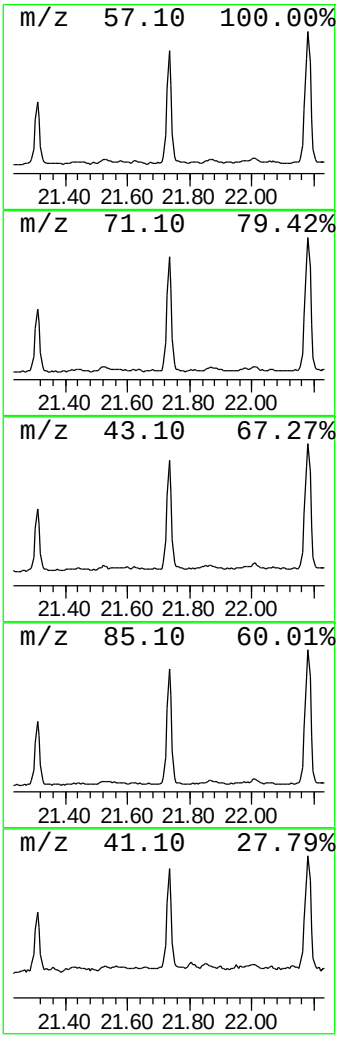
Peak Number 19 (DEL) Alkane: Straight-Chai... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.73	5.54 ng/ul	672431	Chrysene-d12	21.17

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heneicosane	296	C21H44	000629-94-7	91
2	Heptadecane, 9-octyl-	352	C25H52	007225-64-1	91
3	Heptacosane	380	C27H56	000593-49-7	91
4	Pentadecane, 8-heptyl-	310	C22H46	071005-15-7	90
5	Eicosane, 7-hexyl-	366	C26H54	055333-99-8	90





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Data File : BM002194.D
Acq On : 03 Aug 2015 13:03
Operator : TP/UM
Sample : G3073-18
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C02G3

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM072715.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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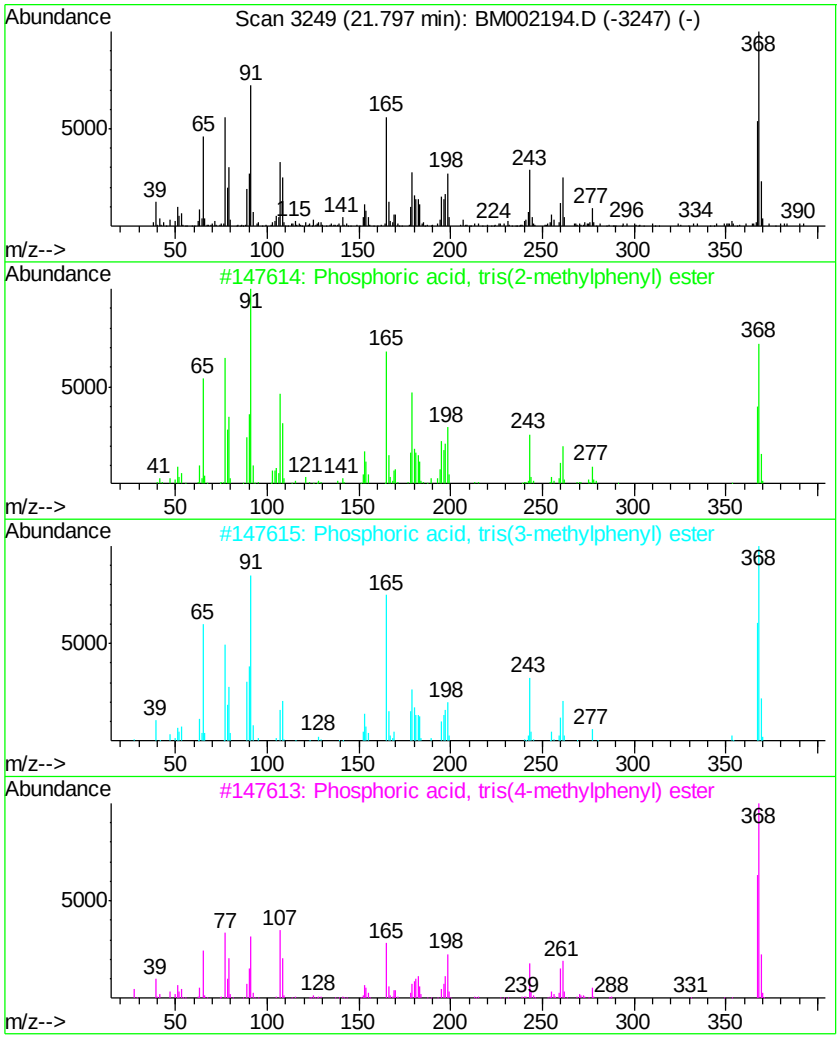
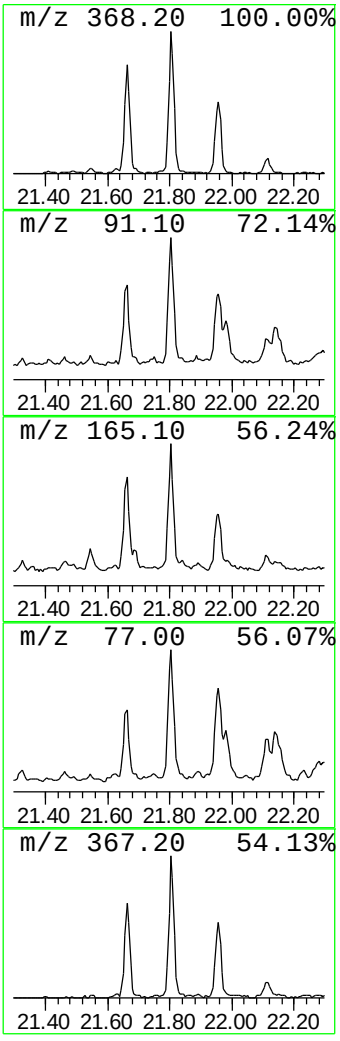
Peak Number 20 Phosphoric acid, tris(2-met... Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.80	4.51 ng/ul	547794	Chrysene-d12	21.17

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phosphoric acid, tris(2-methylph...	368	C21H21O4P	000078-30-8	99
2	Phosphoric acid, tris(3-methylph...	368	C21H21O4P	000563-04-2	98
3	Phosphoric acid, tris(4-methylph...	368	C21H21O4P	000078-32-0	98
4	Phosphoric acid, tris(3-methylph...	368	C21H21O4P	000563-04-2	98
5	Phosphoric acid, tris(4-methylph...	368	C21H21O4P	000078-32-0	91





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Data File : BM002194.D
Acq On : 03 Aug 2015 13:03
Operator : TP/UM
Sample : G3073-18
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C02G3

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM072715.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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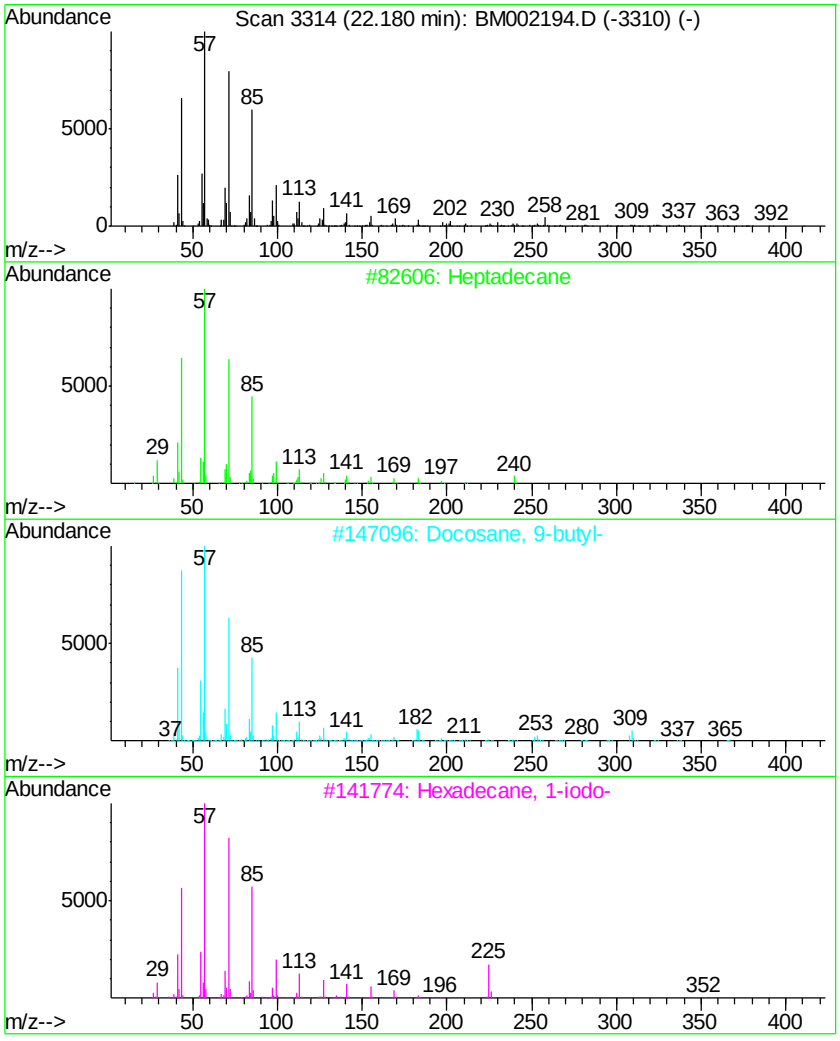
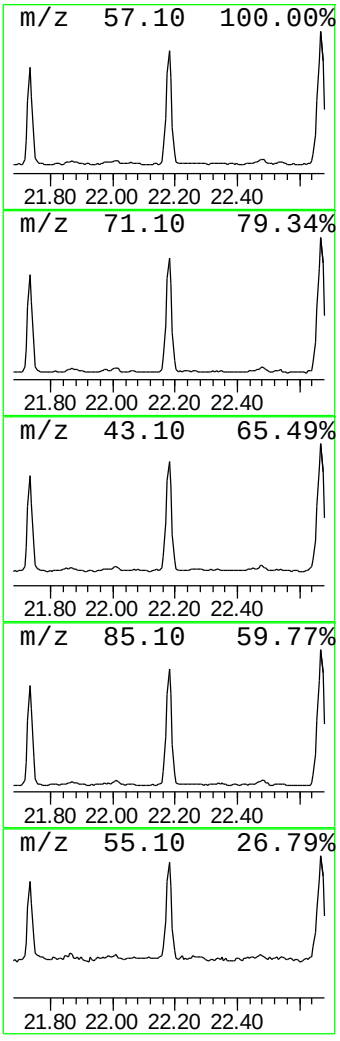
Peak Number 22 (DEL) Alkane: Straight-Chai... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.18	8.07 ng/ul	980379	Chrysene-d12	21.17

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptadecane	240	C17H36	000629-78-7	94
2	Docosane, 9-butyl-	366	C26H54	055282-14-9	94
3	Hexadecane, 1-iodo-	352	C16H33I	000544-77-4	93
4	Pentadecane, 8-hexyl-	296	C21H44	013475-75-7	93
5	Tetratriacontane	479	C34H70	014167-59-0	91





Data Path : Z:\HPCHEM1\BNA_M\DATA\BM080315\
Data File : BM002194.D
Acq On : 03 Aug 2015 13:03
Operator : TP/UM
Sample : G3073-18
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C02G3

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM072715.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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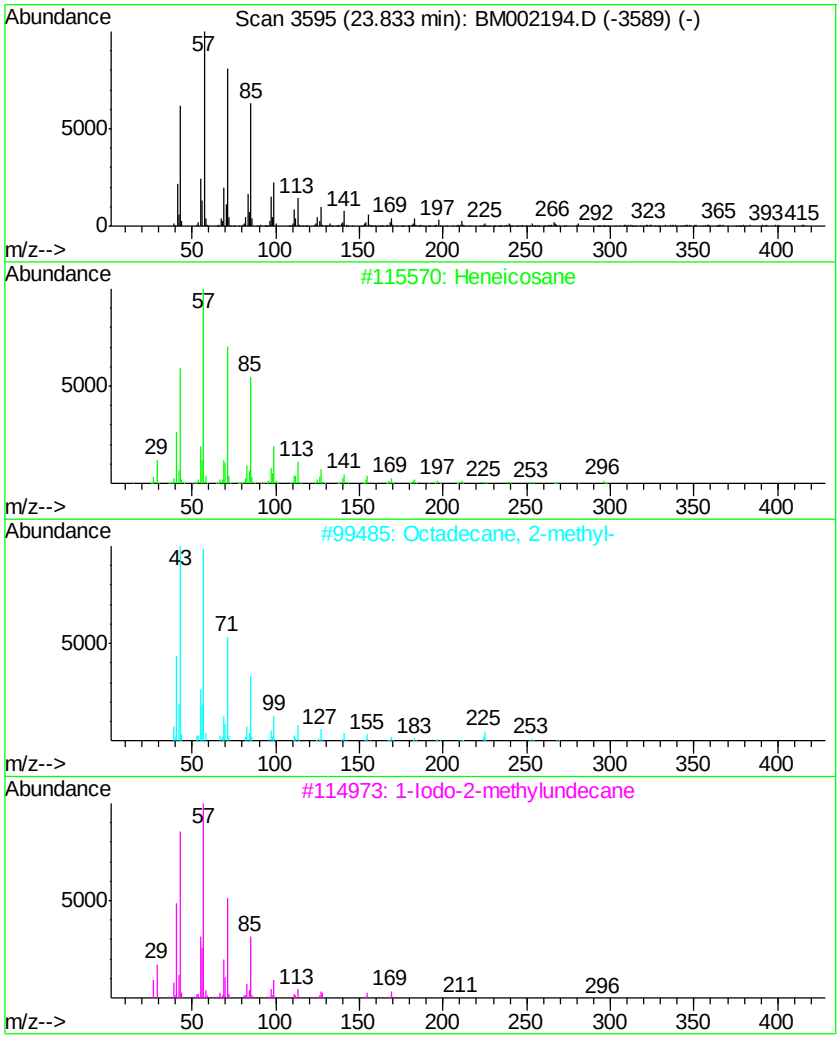
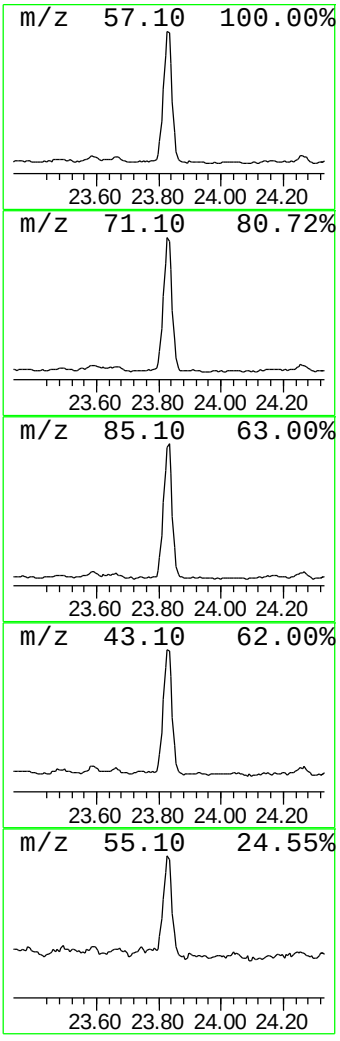
Peak Number 23 (DEL) Alkane: Straight-Chai... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
23.83	21.26 ng/ul	1140570	Perylene-d12	23.35

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heneicosane	296	C21H44	000629-94-7	91
2	Octadecane, 2-methyl-	268	C19H40	001560-88-9	91
3	1-Iodo-2-methylundecane	296	C12H25I	073105-67-6	91
4	Triacontane	422	C30H62	000638-68-6	91
5	Pentadecane, 8-hexyl-	296	C21H44	013475-75-7	91





Data Path : Z:\HPCHEM1\BNA_M\DATA\BM080315\
Data File : BM002194.D
Acq On : 03 Aug 2015 13:03
Operator : TP/UM
Sample : G3073-18
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C02G3

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM072715.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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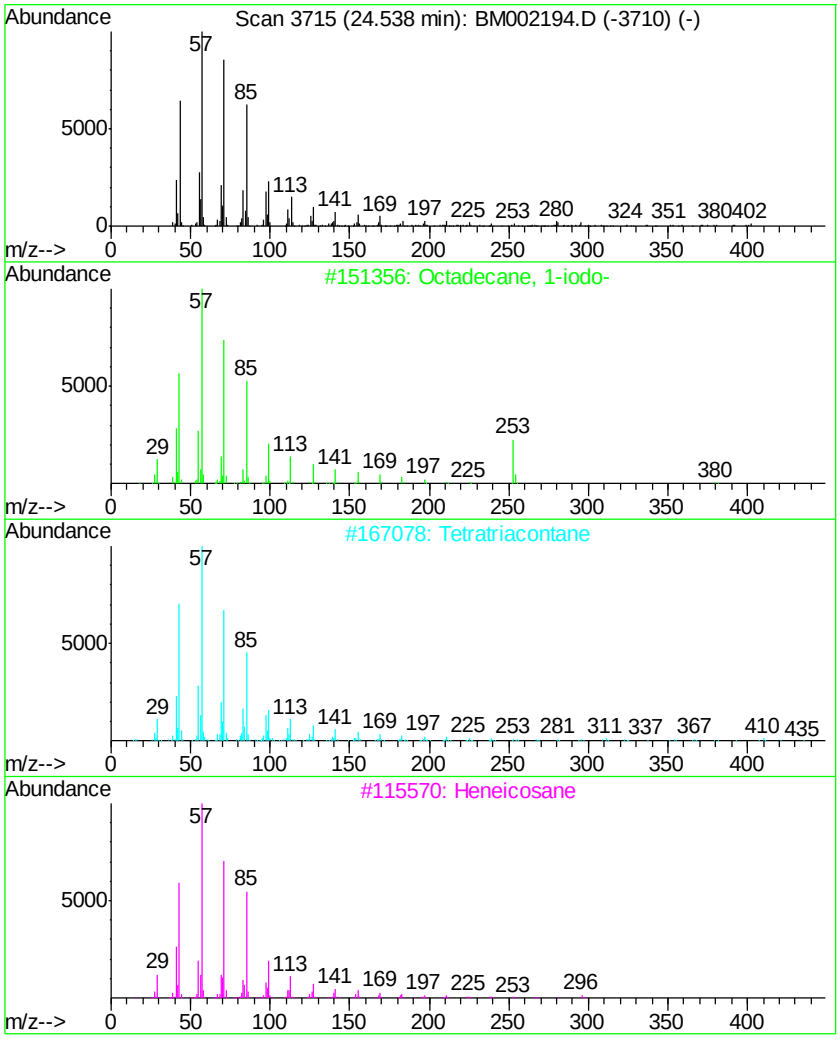
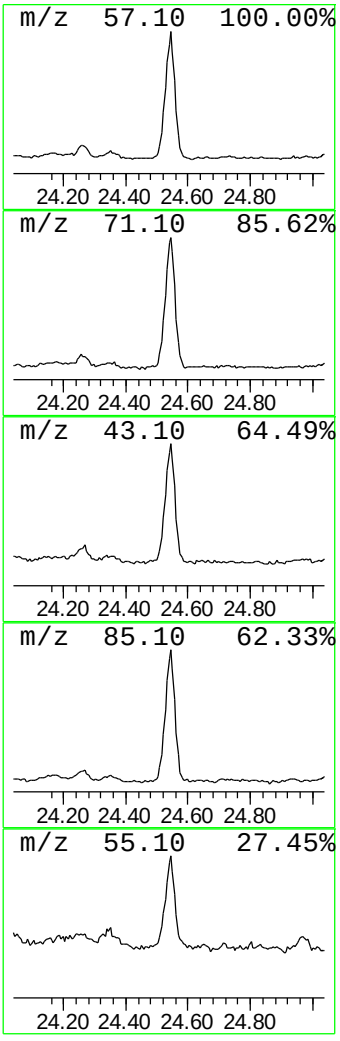
Peak Number 24 Octadecane, 1-iodo- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
24.54	16.24 ng/ul	871171	Perylene-d12	23.35

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octadecane, 1-iodo-	380	C18H37I	000629-93-6	94
2	Tetratriacontane	479	C34H70	014167-59-0	91
3	Heneicosane	296	C21H44	000629-94-7	91
4	Pentadecane, 8-hexyl-	296	C21H44	013475-75-7	91
5	Hexacosane	366	C26H54	000630-01-3	91





Data Path : Z:\HPCHEM1\BNA_M\DATA\BM080315\
Data File : BM002194.D
Acq On : 03 Aug 2015 13:03
Operator : TP/UM
Sample : G3073-18
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C02G3

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM072715.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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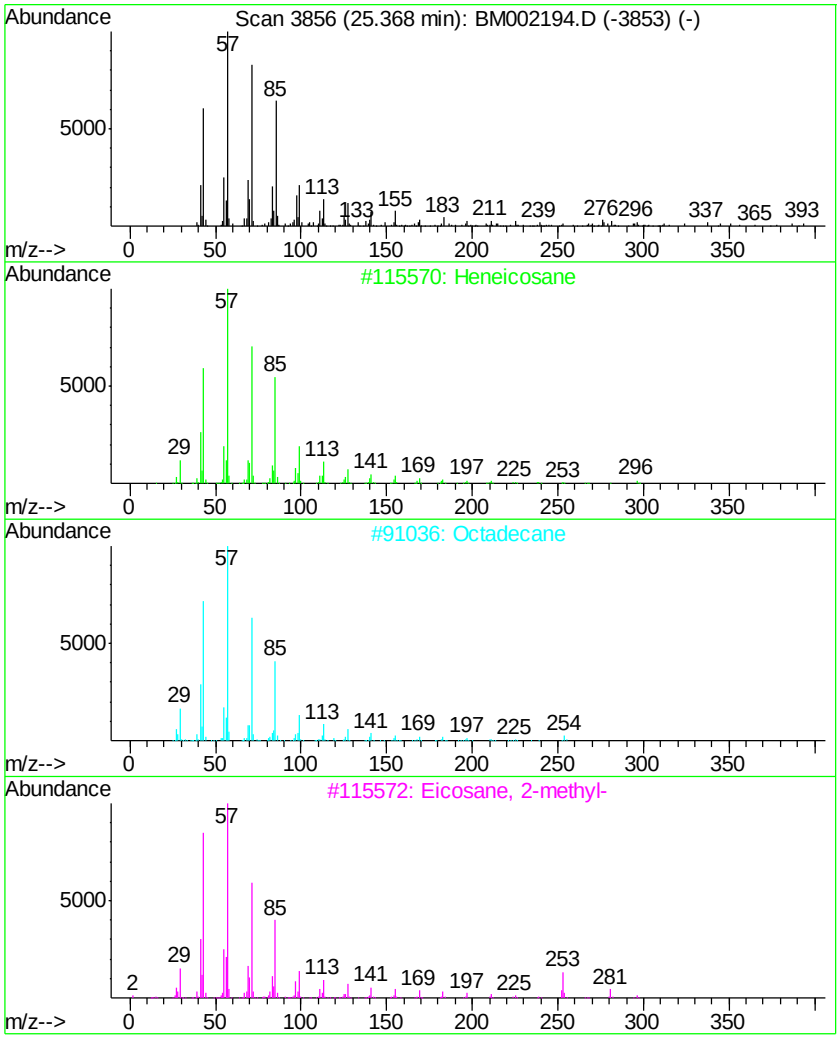
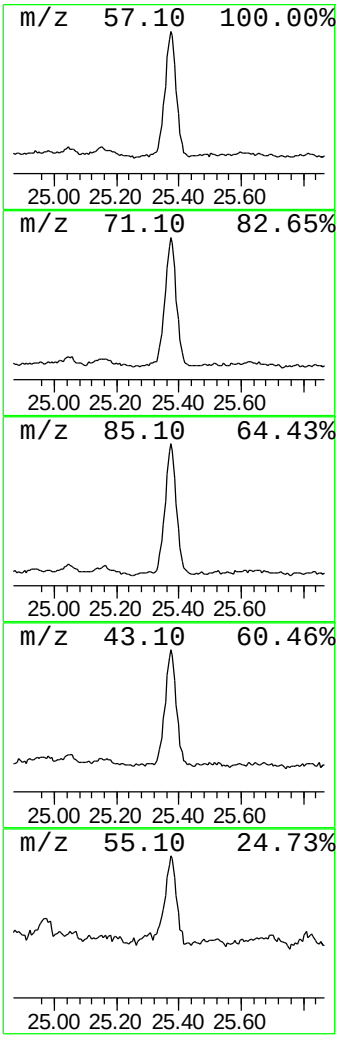
Peak Number 25 (DEL) Alkane: Straight-Chai... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
25.37	11.41 ng/ul	612078	Perylene-d12	23.35

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heneicosane	296	C21H44	000629-94-7	98
2	Octadecane	254	C18H38	000593-45-3	93
3	Eicosane, 2-methyl-	296	C21H44	001560-84-5	93
4	Octacosane	394	C28H58	000630-02-4	91
5	Tetratetracontane	619	C44H90	007098-22-8	91





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM080315\
Data File : BM002194.D
Acq On : 03 Aug 2015 13:03
Operator : TP/UM
Sample : G3073-18
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C02G3

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM072715.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
(DEL) Alkane: Str...	15.94	2.2	ng/ul	121779	4	16.96	1109770	20.0
Dibenzothiophene	16.77	2.2	ng/ul	120716	4	16.96	1109770	20.0
Phenanthrene, 1-m...	17.83	3.4	ng/ul	189378	4	16.96	1109770	20.0
n-Hexadecanoic acid	17.86	11.0	ng/ul	611614	4	16.96	1109770	20.0
Benzaldehyde, 3,5...	18.02	5.1	ng/ul	282923	4	16.96	1109770	20.0
1H-Cyclopropa[l]p...	18.06	2.8	ng/ul	152592	4	16.96	1109770	20.0
unknown-01	18.23	5.0	ng/ul	276648	4	16.96	1109770	20.0
Naphthalene, 2-ph...	18.33	2.0	ng/ul	113703	4	16.96	1109770	20.0
9,10-Anthracenedione	18.39	2.9	ng/ul	159809	4	16.96	1109770	20.0
18-Norabietane	18.42	3.7	ng/ul	204906	4	16.96	1109770	20.0
4b,8-Dimethyl-2-i...	18.57	14.9	ng/ul	825149	4	16.96	1109770	20.0
10,18-Bisnorabiet...	18.71	3.4	ng/ul	187397	4	16.96	1109770	20.0
Cyclopenta(def)ph...	18.90	2.1	ng/ul	118979	4	16.96	1109770	20.0
10,18-Bisnorabiet...	19.08	5.4	ng/ul	659870	5	21.17	2429290	20.0
(DEL) Alkane: Str...	20.87	3.4	ng/ul	406948	5	21.17	2429290	20.0
(DEL) Alkane: Str...	21.31	3.7	ng/ul	447906	5	21.17	2429290	20.0
Phosphoric acid, ...	21.66	2.9	ng/ul	349530	5	21.17	2429290	20.0
(DEL) Alkane: Str...	21.73	5.5	ng/ul	672431	5	21.17	2429290	20.0
Phosphoric acid, ...	21.80	4.5	ng/ul	547794	5	21.17	2429290	20.0
(DEL) Alkane: Str...	22.18	8.1	ng/ul	980379	5	21.17	2429290	20.0
(DEL) Alkane: Str...	23.83	21.3	ng/ul	1140570	6	23.35	1073030	20.0
Octadecane, 1-iodo-	24.54	16.2	ng/ul	871171	6	23.35	1073030	20.0
(DEL) Alkane: Str...	25.37	11.4	ng/ul	612078	6	23.35	1073030	20.0