LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA G\Data\BG081517\
Data File : BG028342.D
Acq On : 15 Aug 2017 13:32
Operator : SJ/JU
Sample : I4521-04DL 25X
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BC8B9DL

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 0.1 % of largest Peak
Start Thrs: 0.1 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 1

Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG080217.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	3.693	14	18	20	rBV3	2406	3206	0.14%	0.021%
2	3.746	26	27	37	rVB4	2547	4496	0.20%	0.030%
3	4.575	165	168	173	rVB3	2258	3409	0.15%	0.023%
4	5.873	382	389	390	rBV2	2272	4324	0.19%	0.029%
5	6.008	406	412	418	rBV3	3032	6464	0.29%	0.043%
6	7.090	593	596	601	rVB2	1800	3276	0.15%	0.022%
7	7.513	666	668	674	rBV4	2424	4418	0.20%	0.029%
8	7.677	691	696	703	rBV2	3223	5775	0.26%	0.038%
9	7.900	728	734	739	rVV3	3412	5999	0.27%	0.040%
10	7.959	739	744	749	rVB4	1417	3433	0.15%	0.023%
11	8.359	802	812	825	rBV	162066	287673	12.93%	1.903%
12	8.535	840	842	847	rVB2	2064	3372	0.15%	0.022%
13	9.064	928	932	938	rBV4	2643	6648	0.30%	0.044%
14	9.540	1006	1013	1020	rVB5	4728	13593	0.61%	0.090%
15	10.274	1129	1138	1141	rVB4	3639	6986	0.31%	0.046%
16	10.815	1224	1230	1235	rVV3	3633	7116	0.32%	0.047%
17	10.850	1235	1236	1244	rVB2	2173	3255	0.15%	0.022%
18	11.114	1275	1281	1284	rBV3	2367	4938	0.22%	0.033%
19	11.179	1284	1292	1303	rVB	252444	470135	21.13%	3.111%
20	13.053	1607	1611	1616	rBV	1789	3804	0.17%	0.025%
21	13.429	1665	1675	1678	rBV4	4962	9296	0.42%	0.062%
22	13.564	1695	1698	1705	rVB3	3538	6683	0.30%	0.044%
23	13.635	1705	1710	1712	rBV	1901	3392	0.15%	0.022%
24	13.758	1722	1731	1735	rBV4	3918	6257	0.28%	0.041%
25	13.840	1740	1745	1748	rVB3	2290	4235	0.19%	0.028%
26	14.146	1791	1797	1800	rBV2	2754	4700	0.21%	0.031%
27	14.281	1817	1820	1825	rBV4	2334	4359	0.20%	0.029%
28	14.352	1827	1832	1837	rBV	9719	16661	0.75%	0.110%
29	14.393	1837	1839	1847	rVB3	4476	7169	0.32%	0.047%
30	14.598	1866	1874	1880	rBV6	14052	21407	0.96%	0.142%
31	14.663	1880	1885	1892	rVV3	13095	21120	0.95%	0.140%
32	14.822	1907	1912	1914	rVV3	1849	3360	0.15%	0.022%
33	14.904	1922	1926	1928	rVV2	2241	3411	0.15%	0.023%
34	14.963	1928	1936	1946	rVV2	396454	690015	31.01%	4.565%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA G\Data\BG081517\
Data File : BG028342.D
Acq On : 15 Aug 2017 13:32
Operator : SJ/JU
Sample : I4521-04DL 25X
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BC8B9DL

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 0.1 % of largest Peak
Start Thrs: 0.1 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 1

Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG080217.M
Title : SVOA CALIBRATION

35	15.033	1946	1948	1952	rVB4	4012	4142	0.19%	0.027%
36	15.192	1970	1975	1977	rBV4	4124	6505	0.29%	0.043%
37	15.274	1987	1989	1991	rBV3	3707	3969	0.18%	0.026%
38	15.345	1998	2001	2005	rBV4	2139	3140	0.14%	0.021%
39	15.433	2011	2016	2021	rVB5	3238	5140	0.23%	0.034%
40	15.497	2025	2027	2033	rBV4	2837	4161	0.19%	0.028%
41	15.603	2040	2045	2051	rBV7	4944	10077	0.45%	0.067%
42	15.744	2064	2069	2081	rVB	49073	76275	3.43%	0.505%
43	15.850	2081	2087	2090	rBV7	4505	8141	0.37%	0.054%
44	15.914	2096	2098	2100	rBV3	3079	3216	0.14%	0.021%
45	15.956	2101	2105	2111	rVB3	16668	27605	1.24%	0.183%
46	16.014	2111	2115	2117	rBV5	3312	3862	0.17%	0.026%
47	16.061	2117	2123	2127	rVV8	4167	7419	0.33%	0.049%
48	16.114	2128	2132	2134	rVB4	3277	3723	0.17%	0.025%
49	16.149	2134	2138	2144	rBV10	3038	7630	0.34%	0.050%
50	16.238	2147	2153	2159	rBV7	9425	21109	0.95%	0.140%
51	16.337	2167	2170	2172	rVB3	4487	4126	0.19%	0.027%
52	16.408	2180	2182	2185	rBV4	3753	3517	0.16%	0.023%
53	16.449	2187	2189	2192	rVB4	3759	3366	0.15%	0.022%
54	16.502	2196	2198	2203	rBV5	4652	6316	0.28%	0.042%
55	16.567	2208	2209	2215	rBV6	4590	4905	0.22%	0.032%
56	16.637	2215	2221	2231	rBV6	7716	27762	1.25%	0.184%
57	16.719	2231	2235	2237	rVB5	3113	4160	0.19%	0.028%
58	16.766	2239	2243	2248	rBV7	6195	14256	0.64%	0.094%
59	16.825	2248	2253	2255	rBV6	4882	7581	0.34%	0.050%
60	16.890	2260	2264	2268	rVB6	10758	16451	0.74%	0.109%
61	16.996	2280	2282	2286	rBV5	4166	5105	0.23%	0.034%
62	17.072	2286	2295	2302	rBV5	19103	46637	2.10%	0.309%
63	17.436	2350	2357	2360	rBV9	15065	32766	1.47%	0.217%
64	17.548	2373	2376	2381	rVB7	7847	10132	0.46%	0.067%
65	17.630	2387	2390	2391	rBV3	5339	6476	0.29%	0.043%
66	17.712	2397	2404	2415	rBV	494323	832524	37.41%	5.508%
67	17.806	2416	2420	2428	rVV3	17213	37934	1.70%	0.251%
68	18.241	2491	2494	2496	rBV4	7874	7595	0.34%	0.050%
69	18.335	2506	2510	2513	rVB6	9984	16194	0.73%	0.107%
70	18.558	2544	2548	2557	rBV2	202046	342797	15.41%	2.268%
71	18.641	2557	2562	2570	rVB	105694	160928	7.23%	1.065%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA G\Data\BG081517\
Data File : BG028342.D
Acq On : 15 Aug 2017 13:32
Operator : SJ/JU
Sample : I4521-04DL 25X
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BC8B9DL

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 0.1 % of largest Peak
Start Thrs: 0.1 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 1

Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG080217.M
Title : SVOA CALIBRATION

72	19.299	2670	2674	2679	rBV8	24354	38555	1.73%	0.255%
73	19.463	2698	2702	2707	rBV5	35912	52190	2.35%	0.345%
74	19.822	2758	2763	2769	rBV	180585	253112	11.37%	1.675%
75	20.039	2796	2800	2804	rVB3	49420	59529	2.68%	0.394%
76	20.092	2805	2809	2817	rBV9	29890	91762	4.12%	0.607%
77	20.503	2877	2879	2885	rVB7	40368	63298	2.84%	0.419%
78	20.568	2886	2890	2895	rBV	90110	131325	5.90%	0.869%
79	20.797	2918	2929	2943	rBV	108802	684356	30.75%	4.528%
80	21.073	2973	2976	2985	rVB	123897	176193	7.92%	1.166%
81	21.614	3063	3068	3074	rBV	156169	233892	10.51%	1.547%
82	21.766	3090	3094	3106	rVB4	155228	324745	14.59%	2.149%
83	21.884	3108	3114	3126	rVB	1542908	2225216	100.00%	14.722%
84	22.048	3135	3142	3151	rBV	495882	899732	40.43%	5.953%
85	22.195	3161	3167	3194	rVB2	262216	971625	43.66%	6.428%
86	22.742	3256	3260	3266	rVB6	61848	107912	4.85%	0.714%
87	22.848	3274	3278	3289	rVB	174226	322119	14.48%	2.131%
88	22.953	3289	3296	3307	rVB5	275316	761983	34.24%	5.041%
89	23.212	3335	3340	3345	rBV6	146718	280748	12.62%	1.857%
90	23.265	3346	3349	3360	rVB10	86268	161714	7.27%	1.070%
91	23.517	3389	3392	3401	rVB4	115221	250569	11.26%	1.658%
92	23.600	3401	3406	3416	rVB	198443	408917	18.38%	2.705%
93	24.475	3548	3555	3565	rBV	174078	397942	17.88%	2.633%
94	25.515	3723	3732	3734	rBV2	157260	369757	16.62%	2.446%
95	25.568	3735	3741	3758	rVB2	270737	865013	38.87%	5.723%
96	26.737	3933	3940	3951	rVB3	175252	526107	23.64%	3.481%
97	27.454	4057	4062	4076	rVB3	63900	226271	10.17%	1.497%
98	28.218	4185	4192	4205	rVB5	93281	317529	14.27%	2.101%
99	28.682	4263	4271	4284	rVB10	58398	228874	10.29%	1.514%
100	30.010	4490	4497	4507	rVB3	62134	241403	10.85%	1.597%

Sum of corrected areas: 15114415

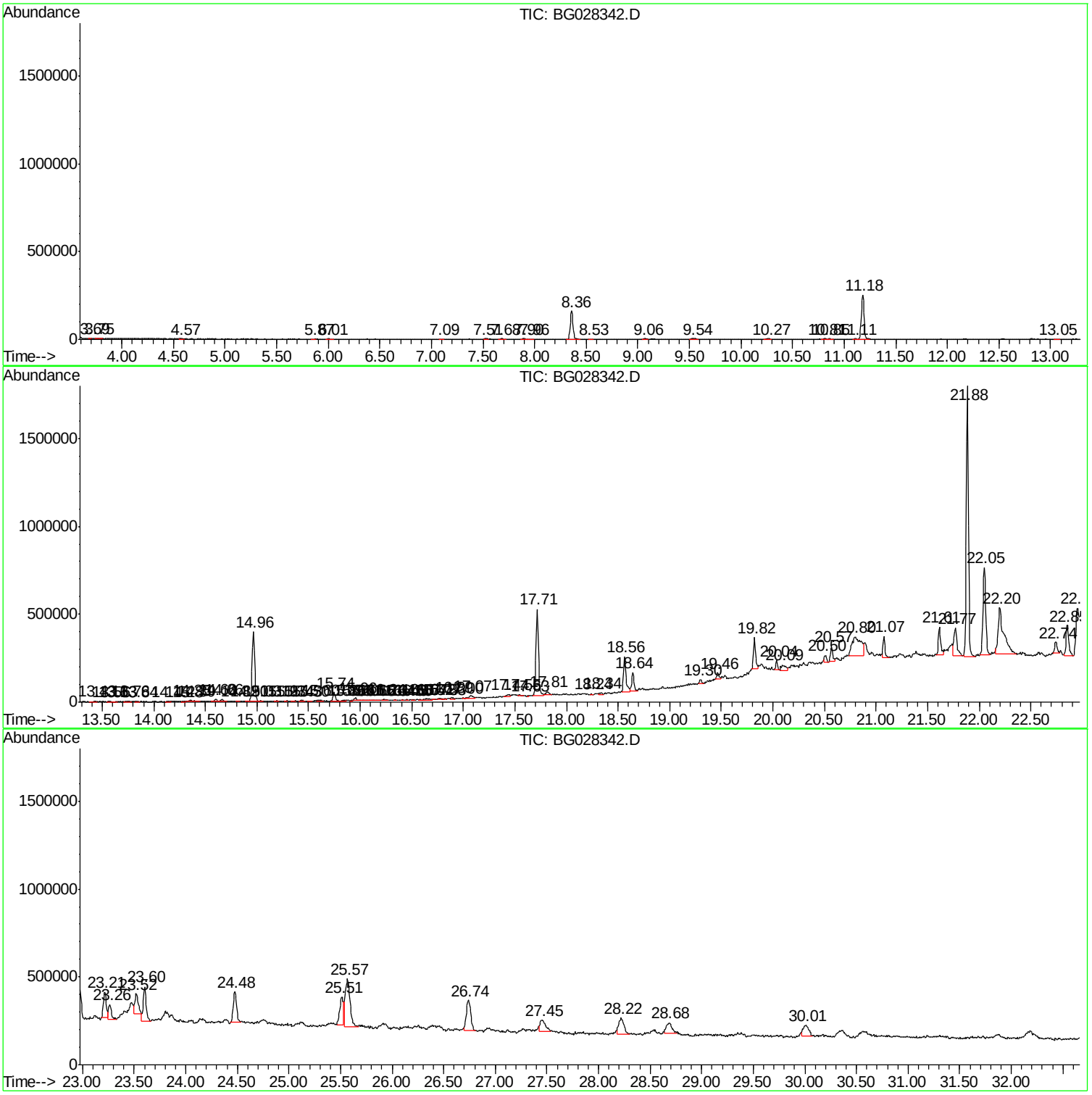
LSC Report - Integrated Chromatogram

Data Path : Z:\HPCHEM1\BNA G\Data\BG081517\
Data File : BG028342.D
Acq On : 15 Aug 2017 13:32
Operator : SJ/JU
Sample : I4521-04DL 25X
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BC8B9DL

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG080217.M
Quant Title : SVOA CALIBRATION

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



Data Path : Z:\HPCHEM1\BNA G\Data\BG081517\
Data File : BG028342.D
Acq On : 15 Aug 2017 13:32
Operator : SJ/JU
Sample : I4521-04DL 25X
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BC8B9DL

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG080217.M
Quant Title : SVOA CALIBRATION

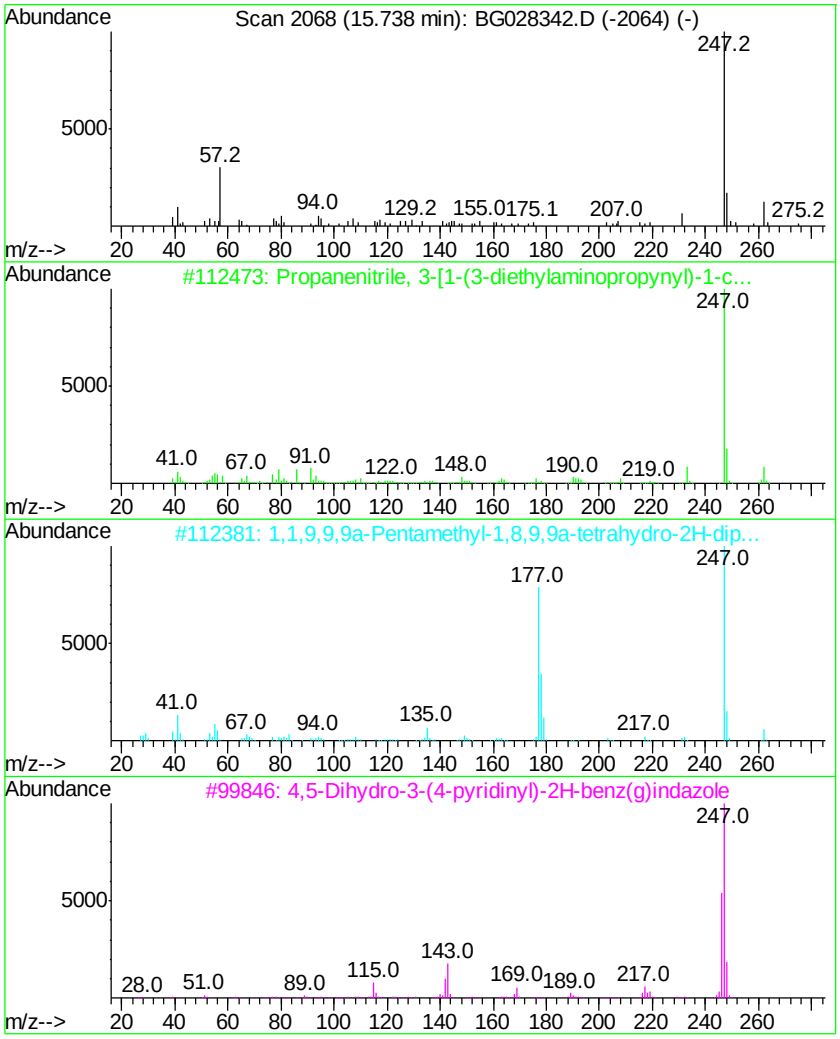
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

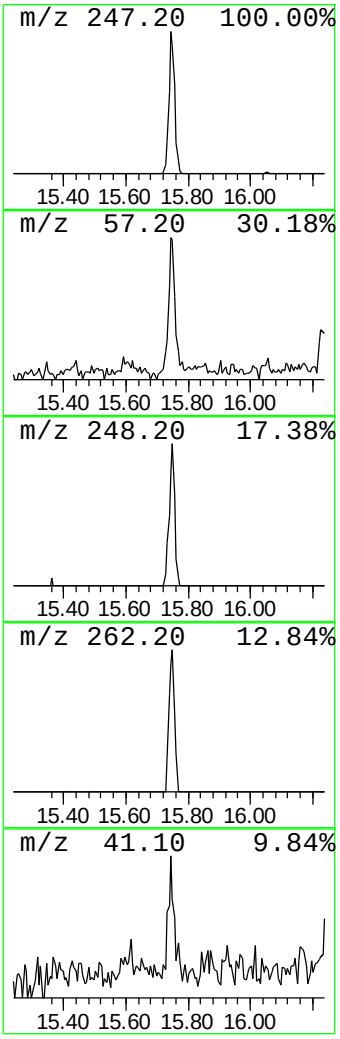
****

Peak Number 1 Propanenitrile, 3-[1-(3-die... Concentration Rank 23

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.74	2.21 ng/ul	76275	Acenaphthene-d10	14.96

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Propanenitrile, 3-[1-(3-diethyla...	262	C16H26N2O	1000271-09-5	72
2	1,1,9,9,9a-Pentamethyl-1,8,9,9a-...	262	C15H22N2O2	1000188-31-8	72
3	4,5-Dihydro-3-(4-pyridinyl)-2H-b...	247	C16H13N3	052837-55-5	59
4	Terephthalic acid, heptyl 2-meth...	354	C22H26O4	1000323-60-6	59
5	4-Amino-2,6-diphenylpyrimidine	247	C16H13N3	041270-99-9	59





Data Path : Z:\HPCHEM1\BNA G\Data\BG081517\
Data File : BG028342.D
Acq On : 15 Aug 2017 13:32
Operator : SJ/JU
Sample : I4521-04DL 25X
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BC8B9DL

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG080217.M
Quant Title : SVOA CALIBRATION

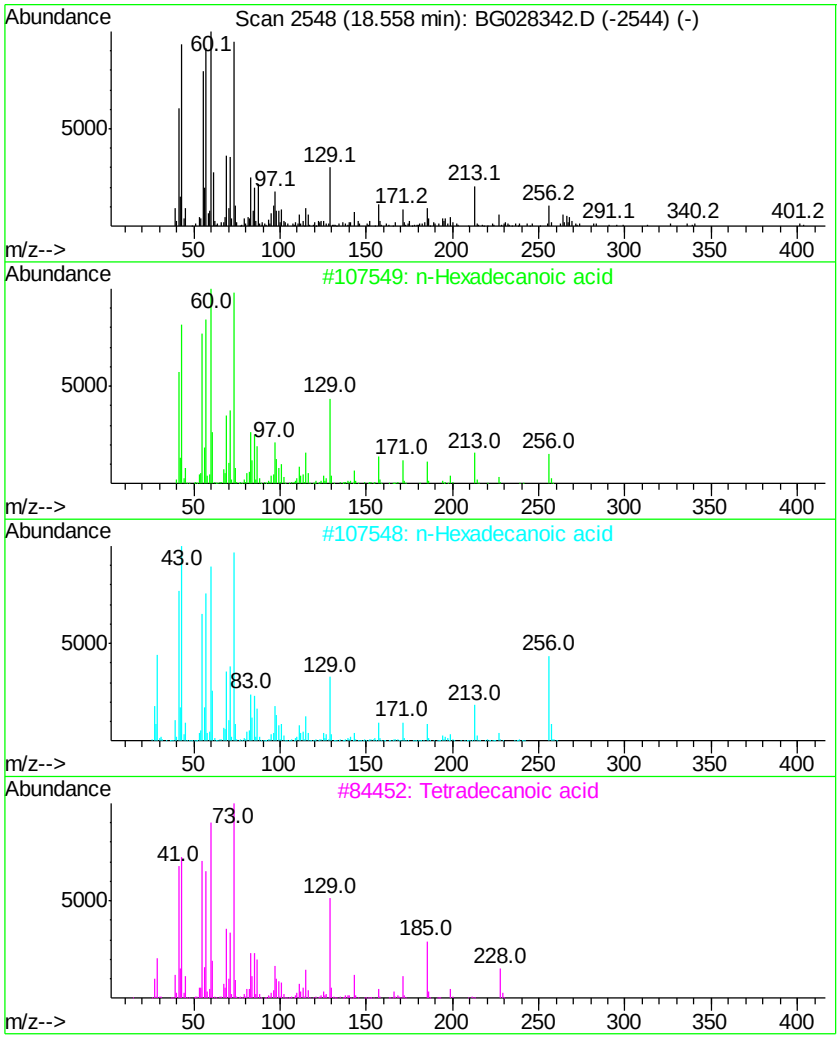
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

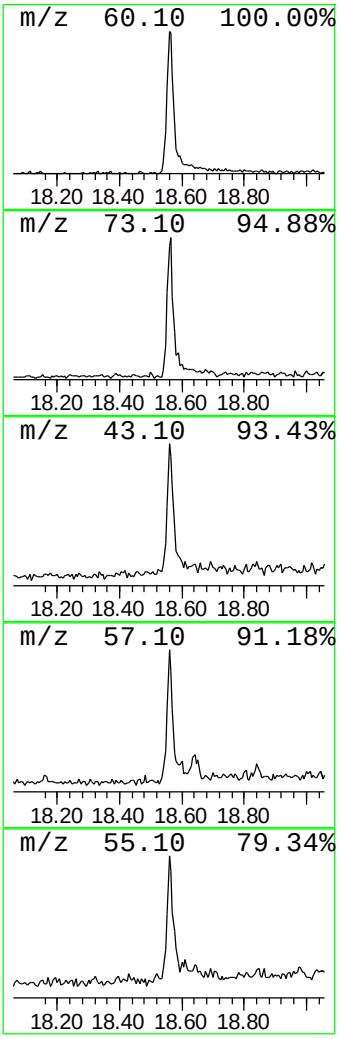
****

Peak Number 2 n-Hexadecanoic acid Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.56	8.24 ng/ul	342797	Phenanthrene-d10	17.71

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	86
3	Tetradecanoic acid	228	C14H28O2	000544-63-8	72
4	Undecanoic acid	186	C11H22O2	000112-37-8	68
5	Tridecanoic acid	214	C13H26O2	000638-53-9	64





Data Path : Z:\HPCHEM1\BNA G\Data\BG081517\
Data File : BG028342.D
Acq On : 15 Aug 2017 13:32
Operator : SJ/JU
Sample : I4521-04DL 25X
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BC8B9DL

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG080217.M
Quant Title : SVOA CALIBRATION

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

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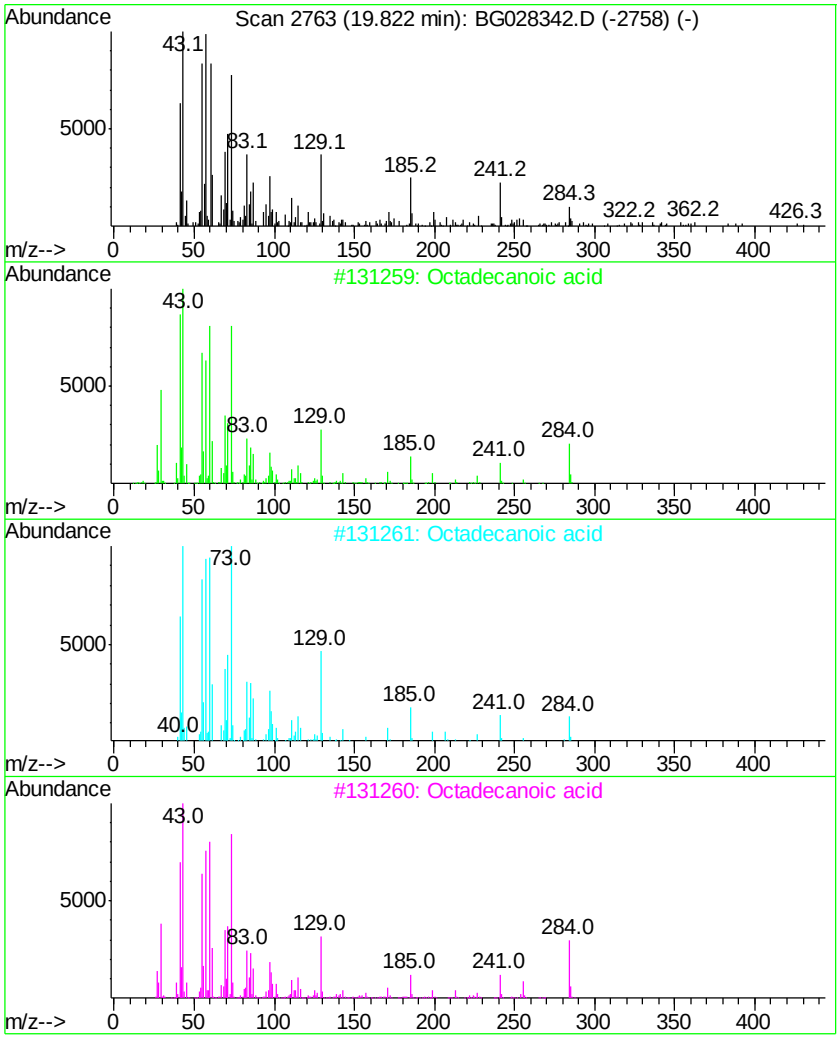
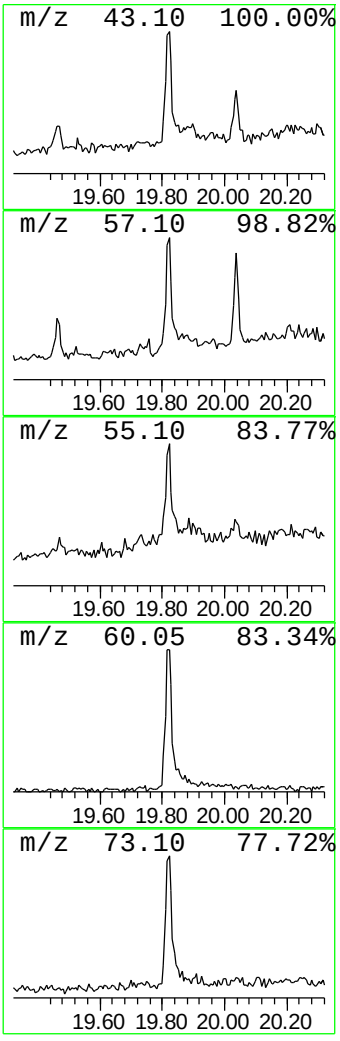
Peak Number 3 Octadecanoic acid Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.82	6.08 ng/ul	253112	Phenanthrene-d10	17.71

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octadecanoic acid	284	C18H36O2	000057-11-4	94
2	Octadecanoic acid	284	C18H36O2	000057-11-4	93
3	Octadecanoic acid	284	C18H36O2	000057-11-4	80
4	Octadecanoic acid	284	C18H36O2	000057-11-4	64
5	Pentadecanoic acid	242	C15H30O2	001002-84-2	64





Data Path : Z:\HPCHEM1\BNA G\Data\BG081517\
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Acq On : 15 Aug 2017 13:32
Operator : SJ/JU
Sample : I4521-04DL 25X
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BC8B9DL

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG080217.M
Quant Title : SVOA CALIBRATION

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

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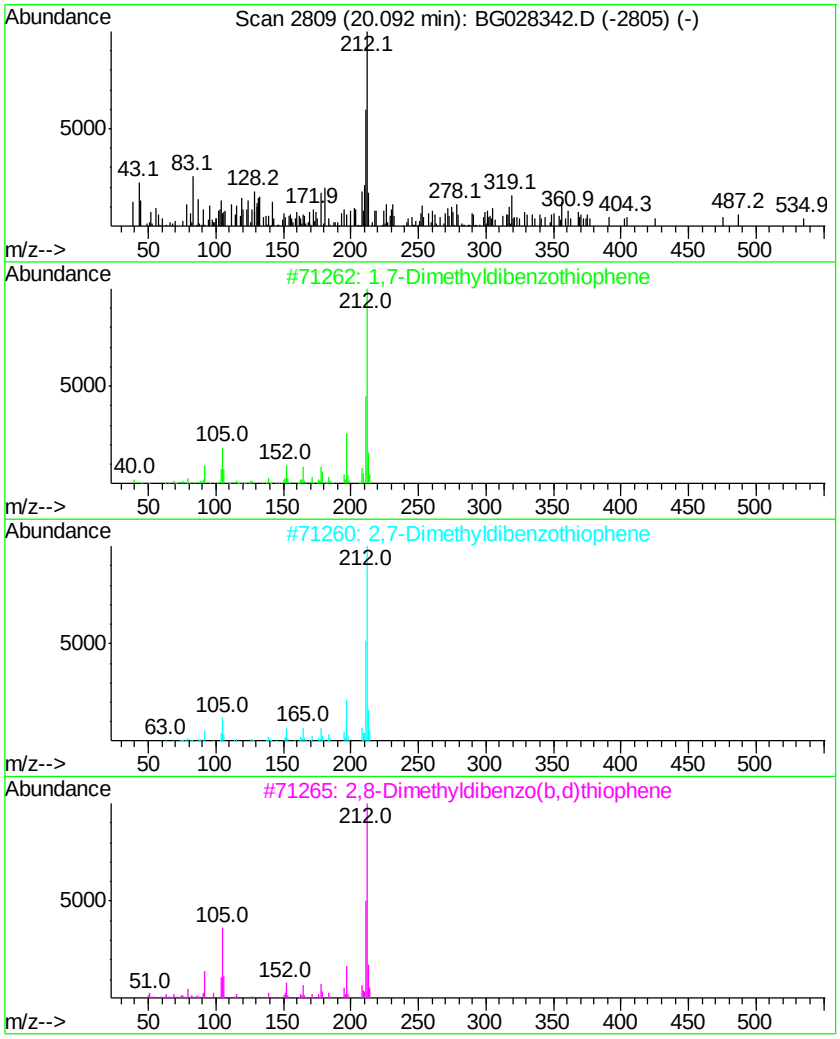
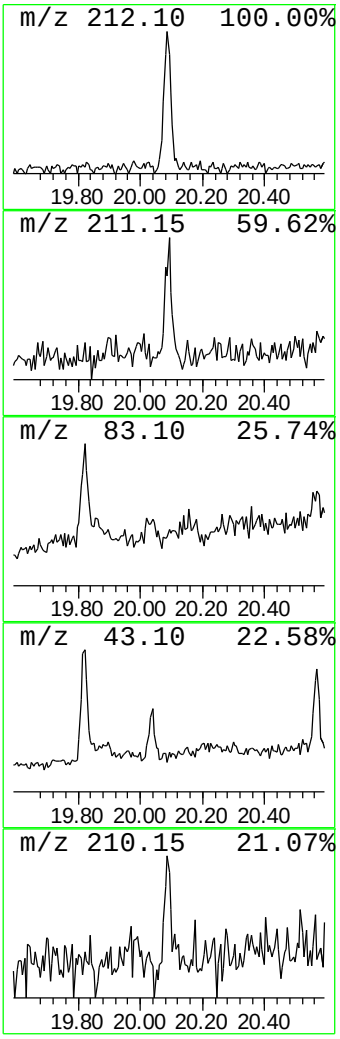
Peak Number 4 1,7-Dimethyldibenzothiophene Concentration Rank 24

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.09	2.04 ng/ul	91762	Chrysene-d12	22.05

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,7-Dimethyldibenzothiophene	212	C14H12S	089816-53-5	64
2	2,7-Dimethyldibenzothiophene	212	C14H12S	031317-19-8	58
3	2,8-Dimethyldibenzo(b,d)thiophene	212	C14H12S	001207-15-4	58
4	3,7-Dimethyldibenzothiophene	212	C14H12S	001136-85-2	58
5	Dibenzothiophene, 4,6-dimethyl-	212	C14H12S	001207-12-1	52





Data Path : Z:\HPCHEM1\BNA G\Data\BG081517\
Data File : BG028342.D
Acq On : 15 Aug 2017 13:32
Operator : SJ/JU
Sample : I4521-04DL 25X
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BC8B9DL

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG080217.M
Quant Title : SVOA CALIBRATION

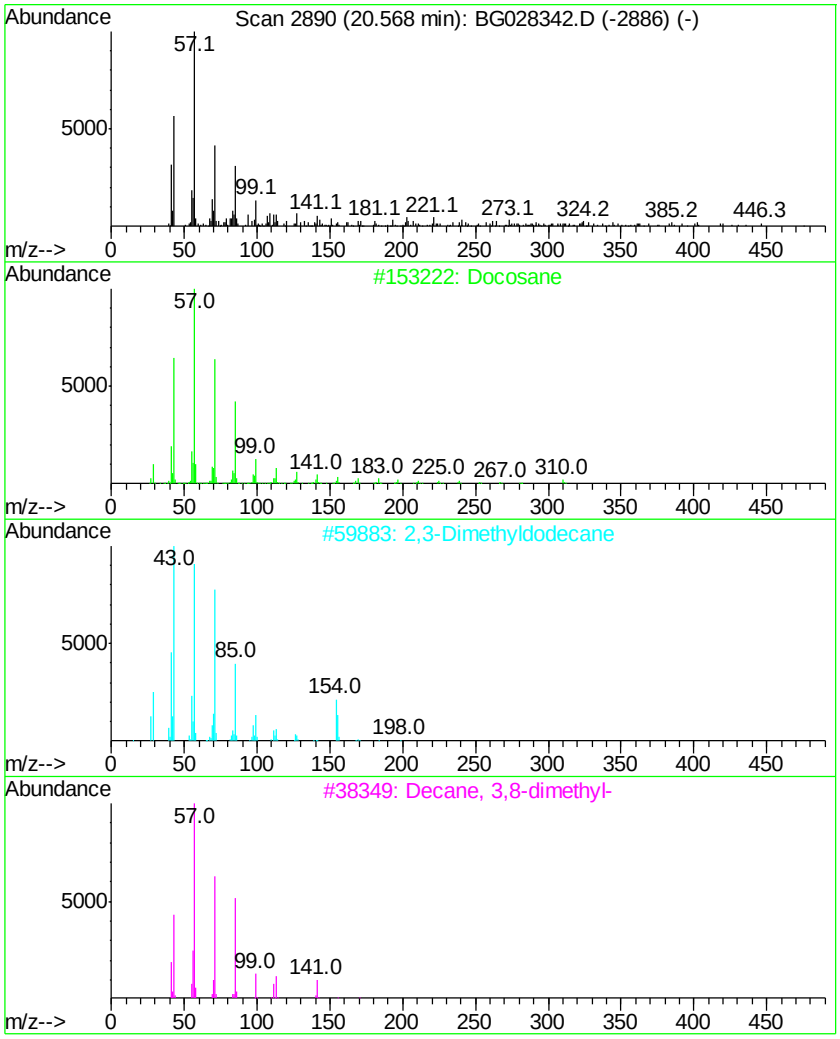
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

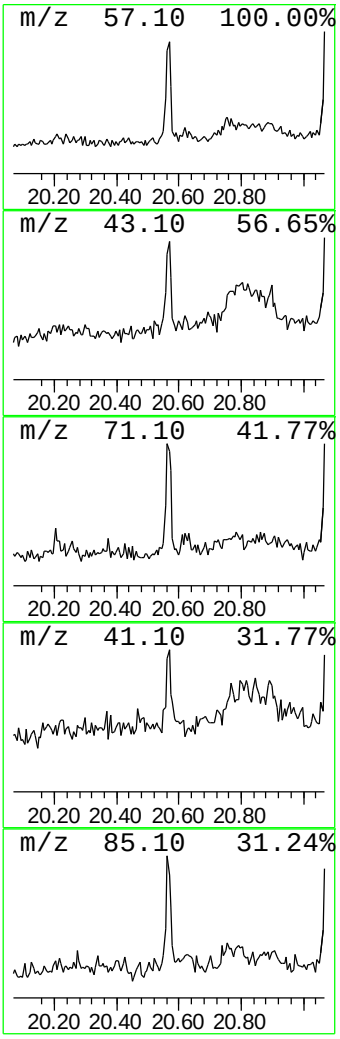
****

Peak Number 5 (DEL) Alkane: Straight-Chai... Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.57	2.92 ng/ul	131325	Chrysene-d12	22.05

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Docosane	310	C22H46	000629-97-0	89
2	2,3-Dimethyldodecane	198	C14H30	006117-98-2	76
3	Decane, 3,8-dimethyl-	170	C12H26	017312-55-9	76
4	Pentadecane	212	C15H32	000629-62-9	76
5	10-Methylnonadecane	282	C20H42	056862-62-5	68





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Acq On : 15 Aug 2017 13:32
Operator : SJ/JU
Sample : I4521-04DL 25X
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BC8B9DL

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG080217.M
Quant Title : SVOA CALIBRATION

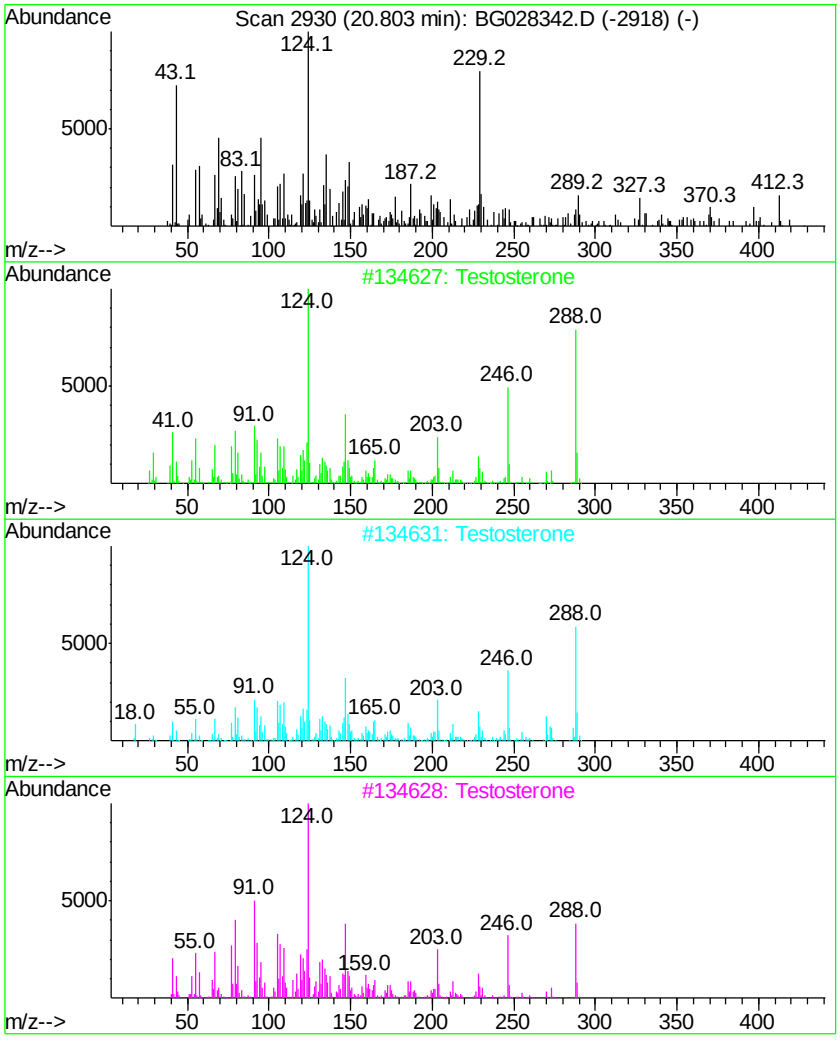
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

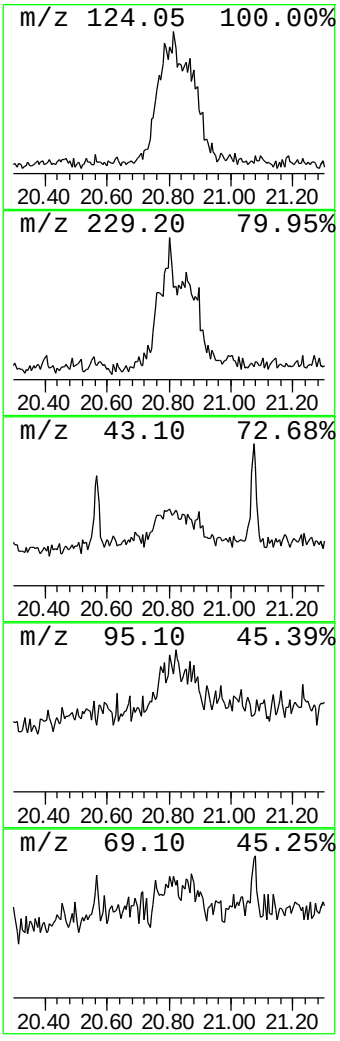
****

Peak Number 6 Testosterone Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.80	15.21 ng/ul	684356	Chrysene-d12	22.05

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Testosterone	288	C19H28O2	000058-22-0	55
2	Testosterone	288	C19H28O2	000058-22-0	42
3	Testosterone	288	C19H28O2	000058-22-0	27
4	Androst-4-en-3-one, 17-hydroxy-,...	288	C19H28O2	000481-30-1	20
5	Androst-4-en-3-one, 17-hydroxy-,...	288	C19H28O2	000481-30-1	20





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Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BC8B9DL

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG080217.M
Quant Title : SVOA CALIBRATION

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

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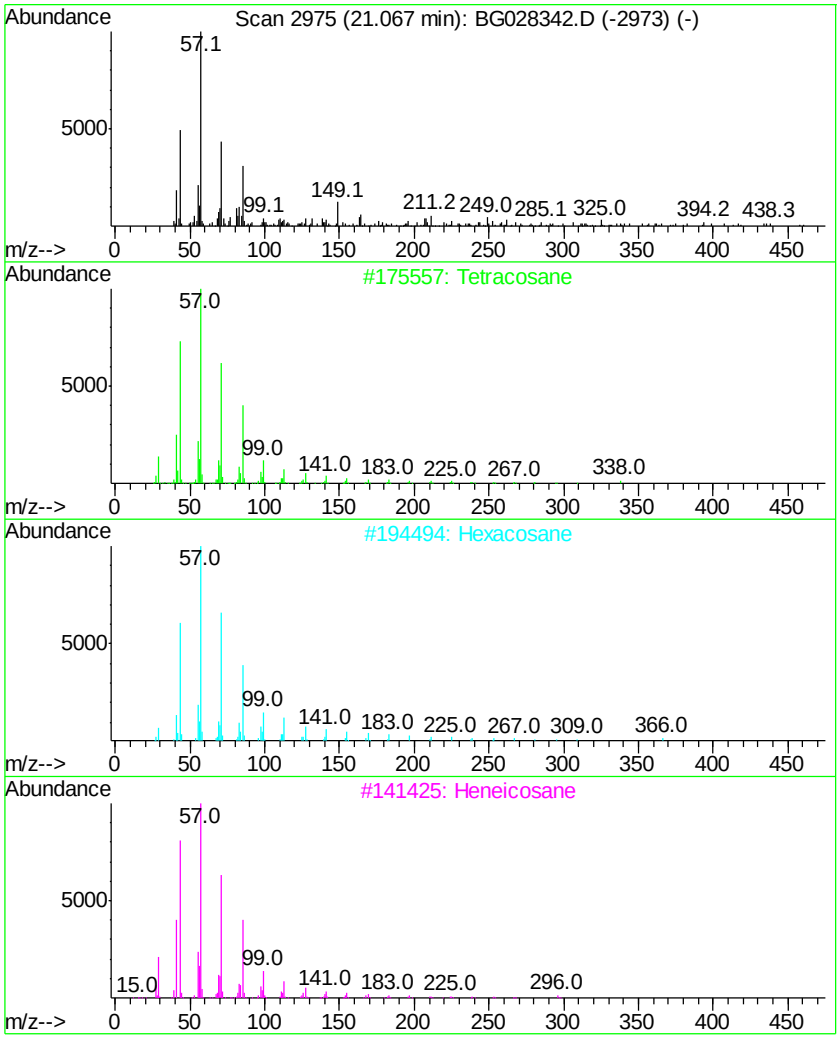
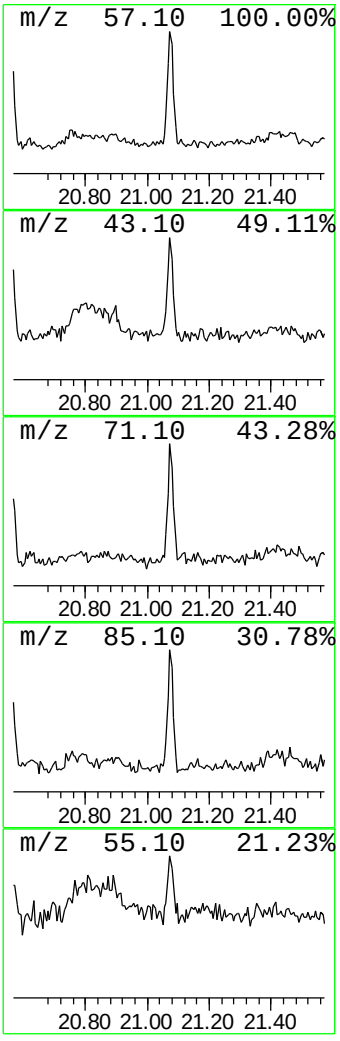
Peak Number 7 (DEL) Alkane: Straight-Chai... Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.07	3.92 ng/ul	176193	Chrysene-d12	22.05

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tetracosane	338	C24H50	000646-31-1	86
2	Hexacosane	366	C26H54	000630-01-3	81
3	Heneicosane	296	C21H44	000629-94-7	81
4	Docosane	310	C22H46	000629-97-0	74
5	1-Chloroeicosane	316	C20H41Cl	042217-02-7	72





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Sample : I4521-04DL 25X
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BC8B9DL

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG080217.M
Quant Title : SVOA CALIBRATION

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

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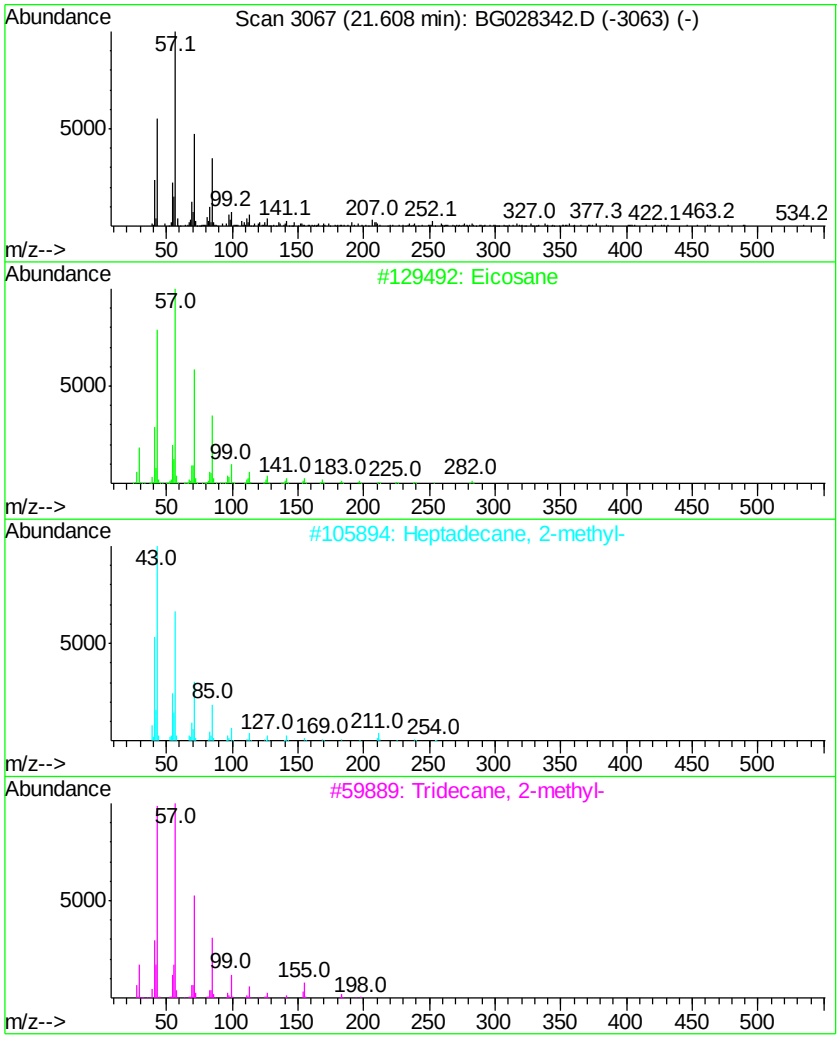
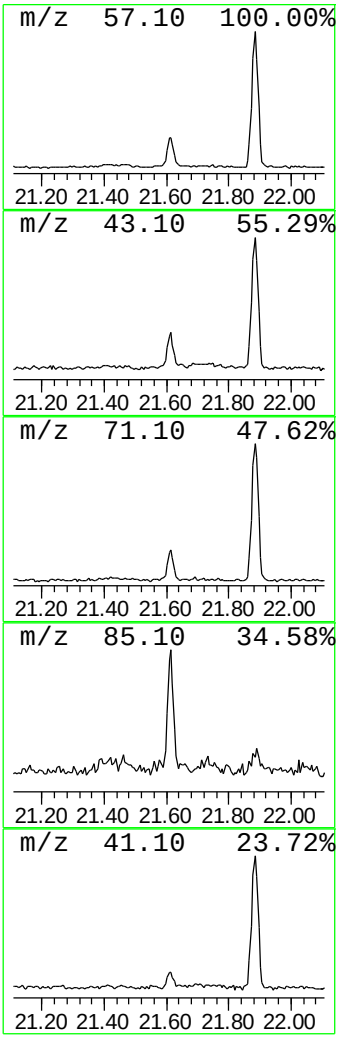
Peak Number 8 (DEL) Alkane: Straight-Chai... Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.61	5.20 ng/ul	233892	Chrysene-d12	22.05

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Eicosane	282	C20H42	000112-95-8	93
2	Heptadecane, 2-methyl-	254	C18H38	001560-89-0	87
3	Tridecane, 2-methyl-	198	C14H30	001560-96-9	83
4	Octadecane, 1-iodo-	380	C18H37I	000629-93-6	83
5	Tetracosane	338	C24H50	000646-31-1	80





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Operator : SJ/JU
Sample : I4521-04DL 25X
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BC8B9DL

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG080217.M
Quant Title : SVOA CALIBRATION

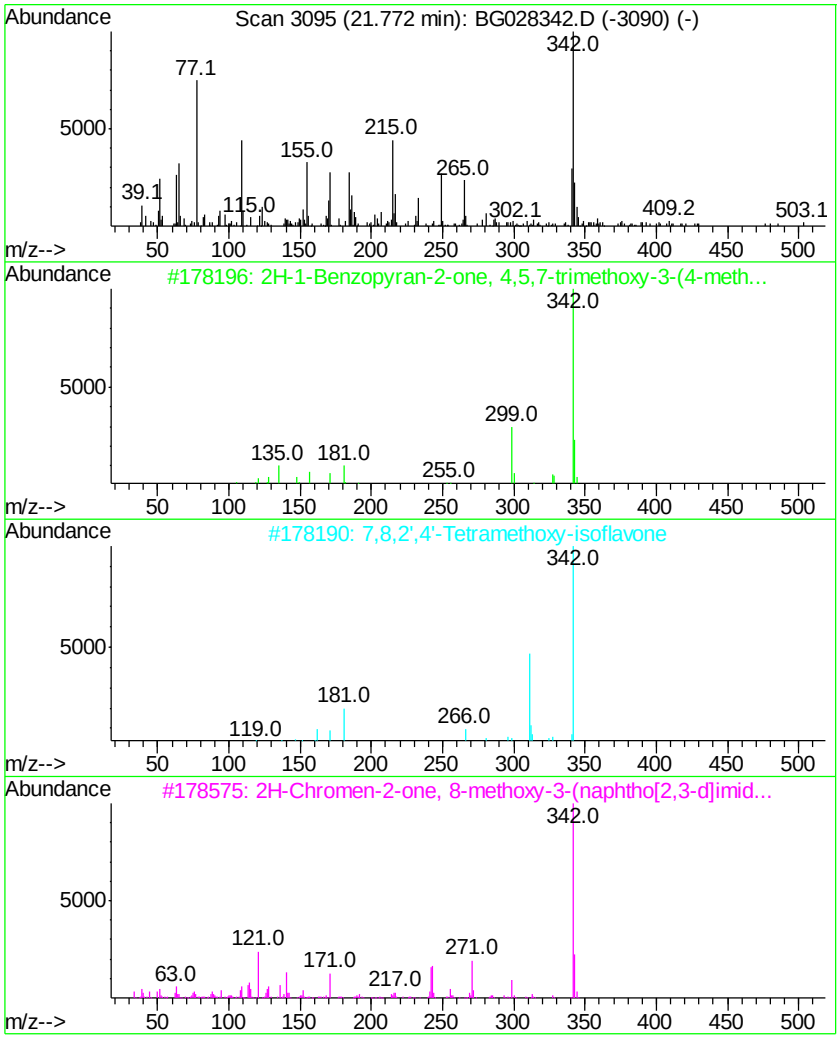
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

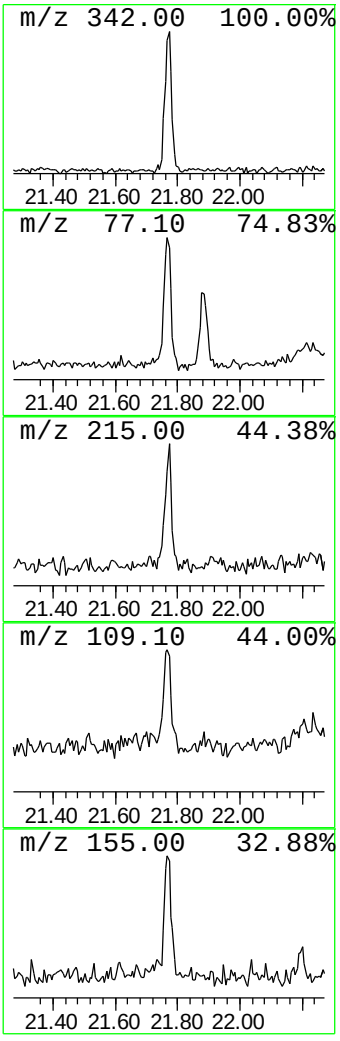
****

Peak Number 9 unknown-01 Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.77	7.22 ng/ul	324745	Chrysene-d12	22.05

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2H-1-Benzopyran-2-one, 4,5,7-tri...	342	C19H18O6	004222-04-2	27
2	7,8,2',4'-Tetramethoxy-isoflavone	342	C19H18O6	006502-88-1	25
3	2H-Chromen-2-one, 8-methoxy-3-(n...	342	C21H14N2O3	293763-29-8	10
4	trans-4-Ethoxy-2',3',4'-trimetho...	342	C20H22O5	1000234-52-5	10
5	Quinoline, 3-(phenylazo)-	233	C15H11N3	025117-44-6	10





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Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BC8B9DL

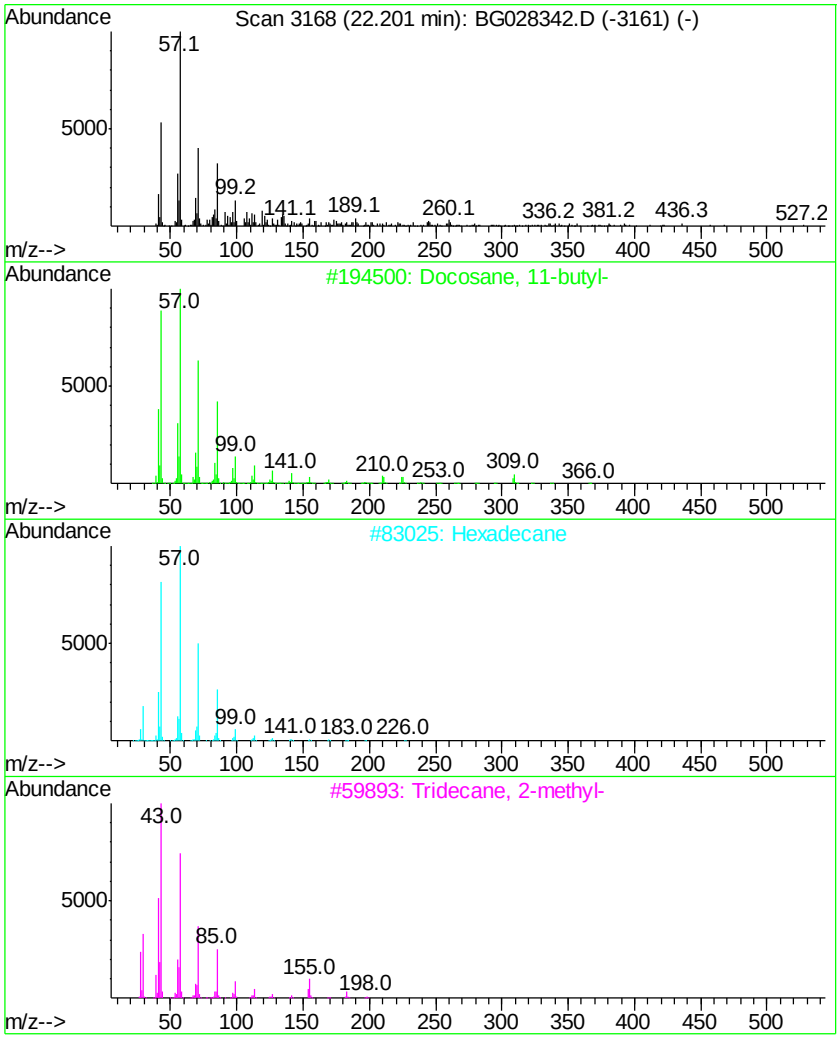
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG080217.M
Quant Title : SVOA CALIBRATION

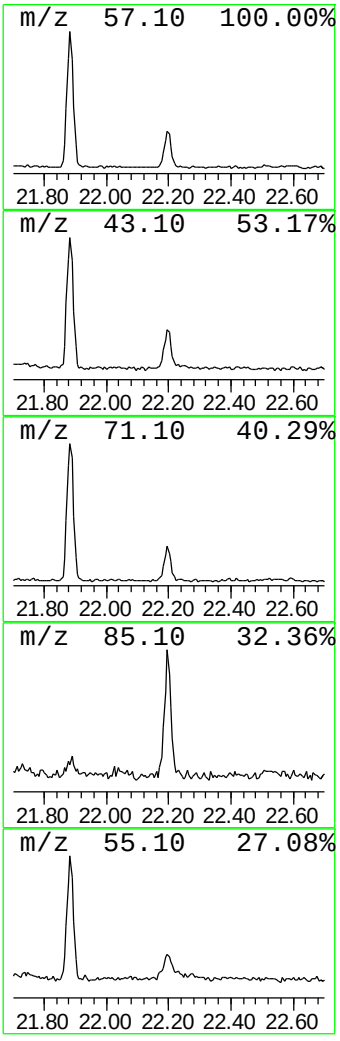
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 10 (DEL) Alkane: Straight-Chai... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.20	21.60 ng/ul	971625	Chrysene-d12	22.05

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Docosane, 11-butyl-	366	C26H54	013475-76-8	89
2	Hexadecane	226	C16H34	000544-76-3	83
3	Tridecane, 2-methyl-	198	C14H30	001560-96-9	80
4	Docosane, 9-butyl-	366	C26H54	055282-14-9	80
5	Octacosane	394	C28H58	000630-02-4	80





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Sample : I4521-04DL 25X
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BC8B9DL

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG080217.M
Quant Title : SVOA CALIBRATION

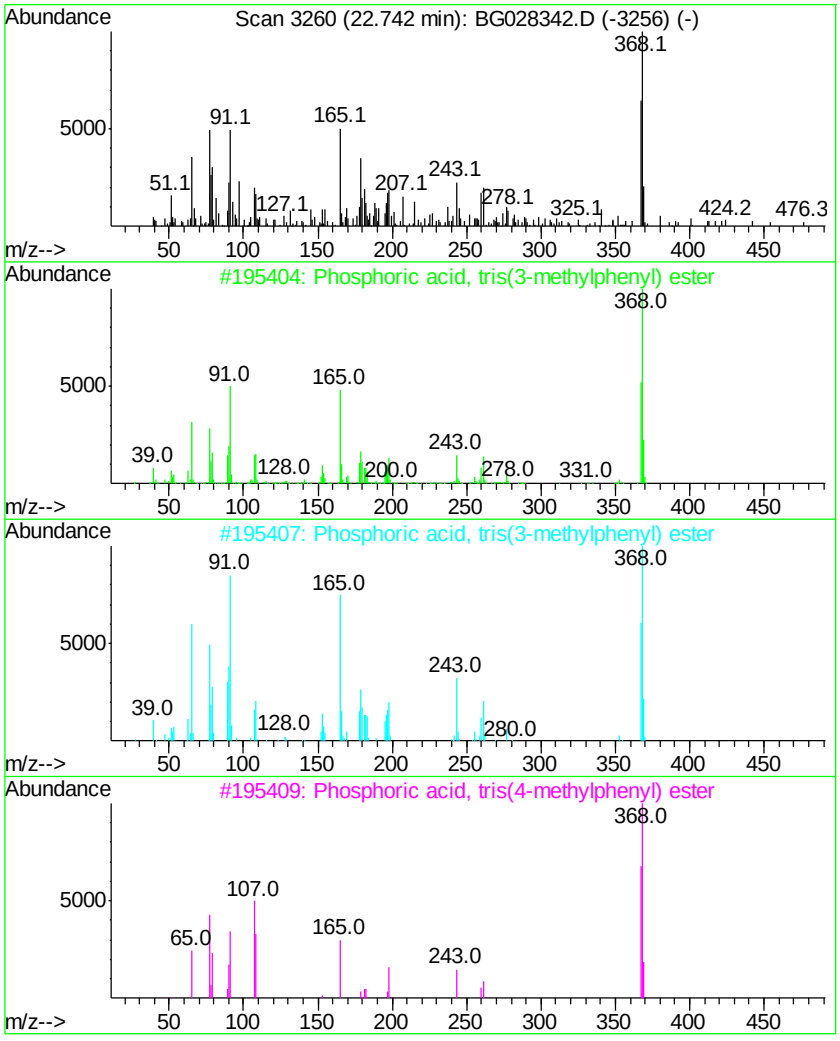
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

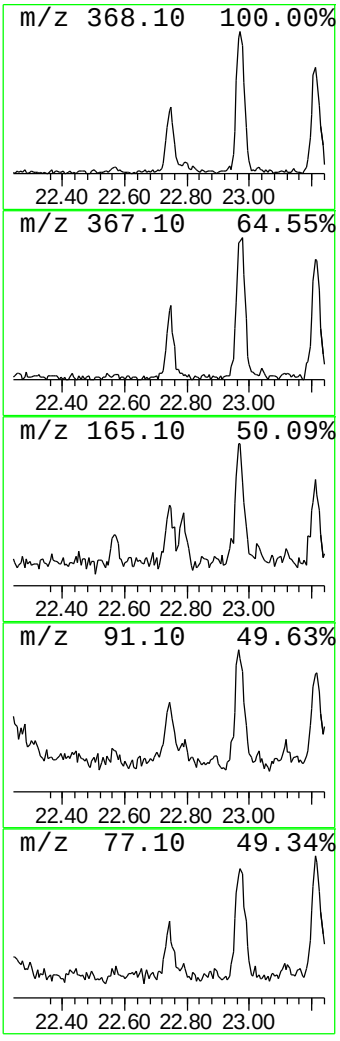
****

Peak Number 11 Phosphoric acid, tris(3-met... Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.74	2.40 ng/ul	107912	Chrysene-d12	22.05

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phosphoric acid, tris(3-methylph...	368	C21H21O4P	000563-04-2	94
2	Phosphoric acid, tris(3-methylph...	368	C21H21O4P	000563-04-2	93
3	Phosphoric acid, tris(4-methylph...	368	C21H21O4P	000078-32-0	90
4	Phosphoric acid, tris(4-methylph...	368	C21H21O4P	000078-32-0	90
5	Phosphoric acid, tris(3-methylph...	368	C21H21O4P	000563-04-2	68





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Operator : SJ/JU
Sample : I4521-04DL 25X
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BC8B9DL

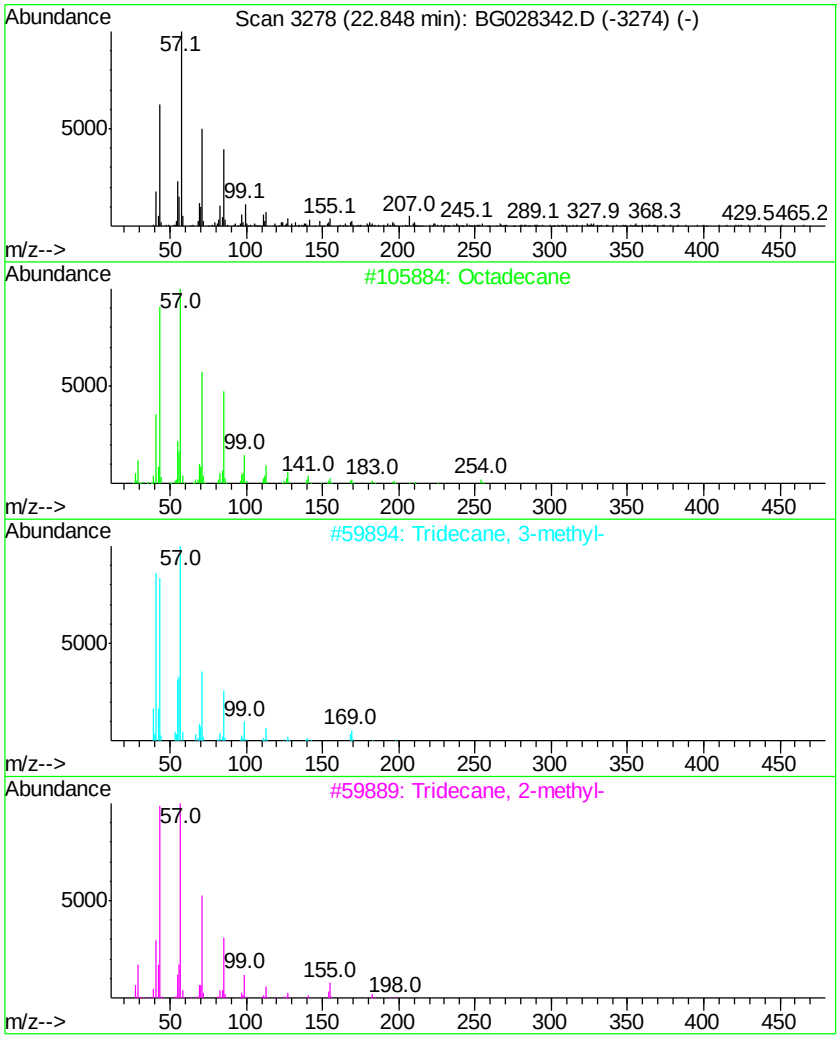
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG080217.M
Quant Title : SVOA CALIBRATION

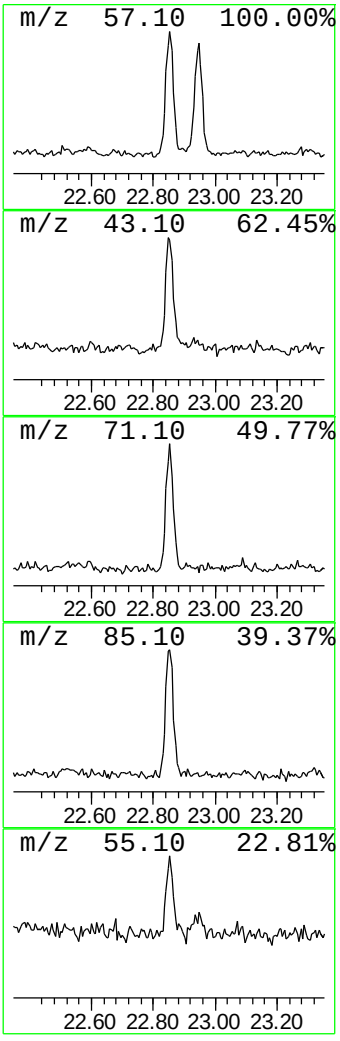
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 12 (DEL) Alkane: Straight-Chai... Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.85	7.16 ng/ul	322119	Chrysene-d12	22.05

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octadecane	254	C18H38	000593-45-3	87
2	Tridecane, 3-methyl-	198	C14H30	006418-41-3	87
3	Tridecane, 2-methyl-	198	C14H30	001560-96-9	87
4	1-Iodoundecane	282	C11H23I	004282-44-4	83
5	Heneicosane	296	C21H44	000629-94-7	83





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Sample : I4521-04DL 25X
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BC8B9DL

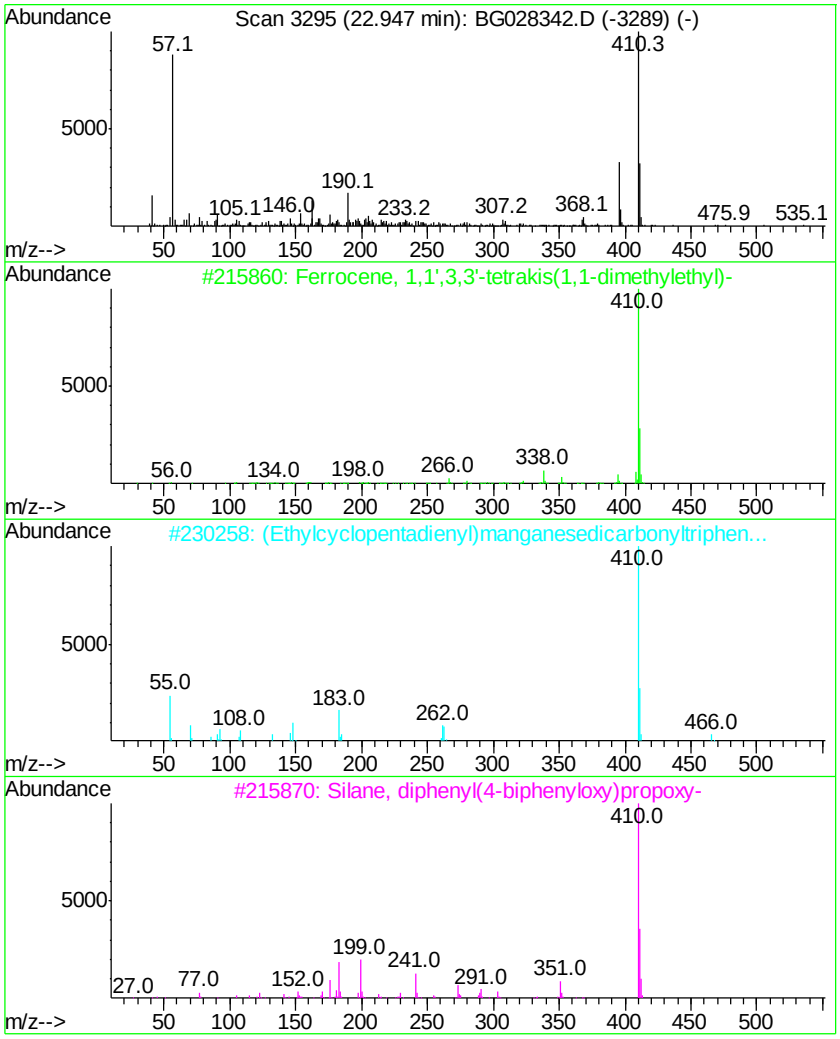
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG080217.M
Quant Title : SVOA CALIBRATION

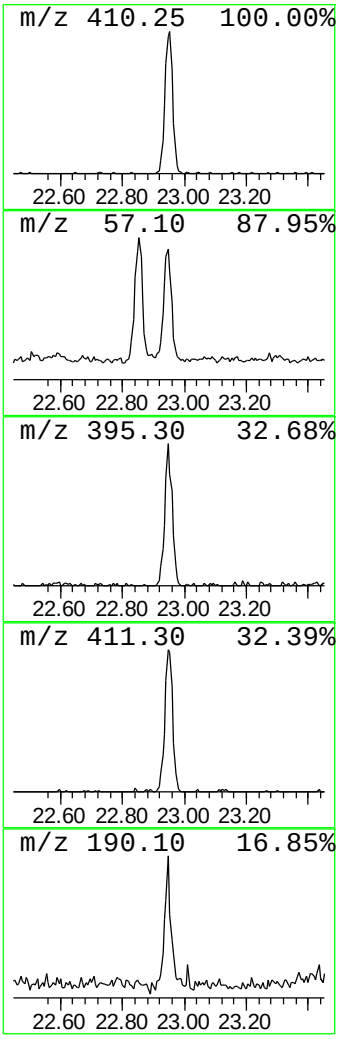
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 13 Ferrocene, 1,1',3,3'-tetrak... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.95	16.94 ng/ul	761983	Chrysene-d12	22.05

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Ferrocene, 1,1',3,3'-tetrakis(1,...	410	C26H42Fe	001317-17-5	58
2	(Ethylcyclopentadienyl)manganese...	466	C27H24MnO2P	033336-99-1	47
3	Silane, diphenyl(4-biphenyloxy)p...	410	C27H26O2Si	1000367-49-5	38
4	.DELTA.9-THC TFA	410	C23H29F3O3	086702-79-6	32
5	Apomorphine, bis(trimethylsilyl)-	411	C23H33NO2Si2	074841-68-2	27





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Sample : I4521-04DL 25X
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BC8B9DL

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG080217.M
Quant Title : SVOA CALIBRATION

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

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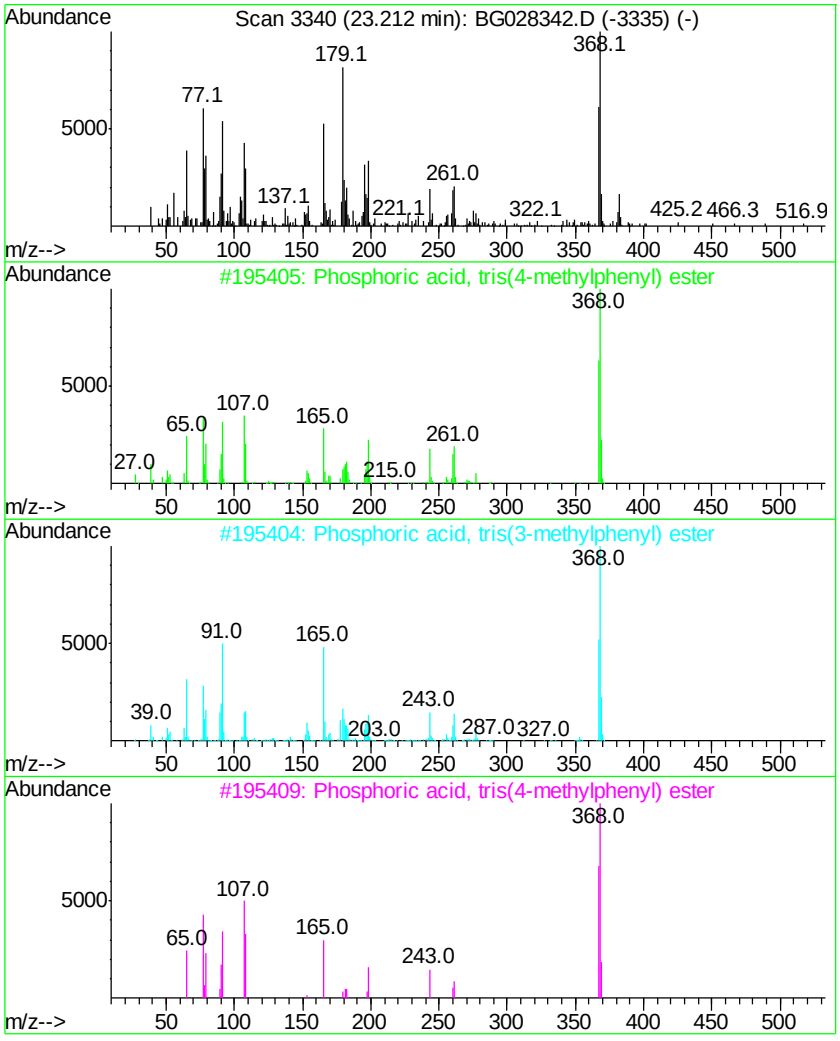
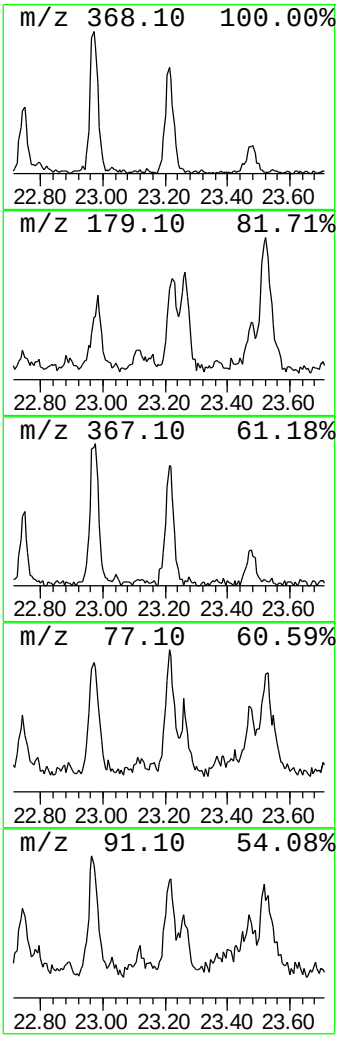
Peak Number 14 Phosphoric acid, tris(4-met... Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
23.21	6.24 ng/ul	280748	Chrysene-d12	22.05

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phosphoric acid, tris(4-methylph...	368	C21H21O4P	000078-32-0	99
2	Phosphoric acid, tris(3-methylph...	368	C21H21O4P	000563-04-2	96
3	Phosphoric acid, tris(4-methylph...	368	C21H21O4P	000078-32-0	62
4	Phosphoric acid, tris(3-methylph...	368	C21H21O4P	000563-04-2	47
5	Phosphoric acid, tris(2-methylph...	368	C21H21O4P	000078-30-8	45





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Sample : I4521-04DL 25X
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BC8B9DL

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG080217.M
Quant Title : SVOA CALIBRATION

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

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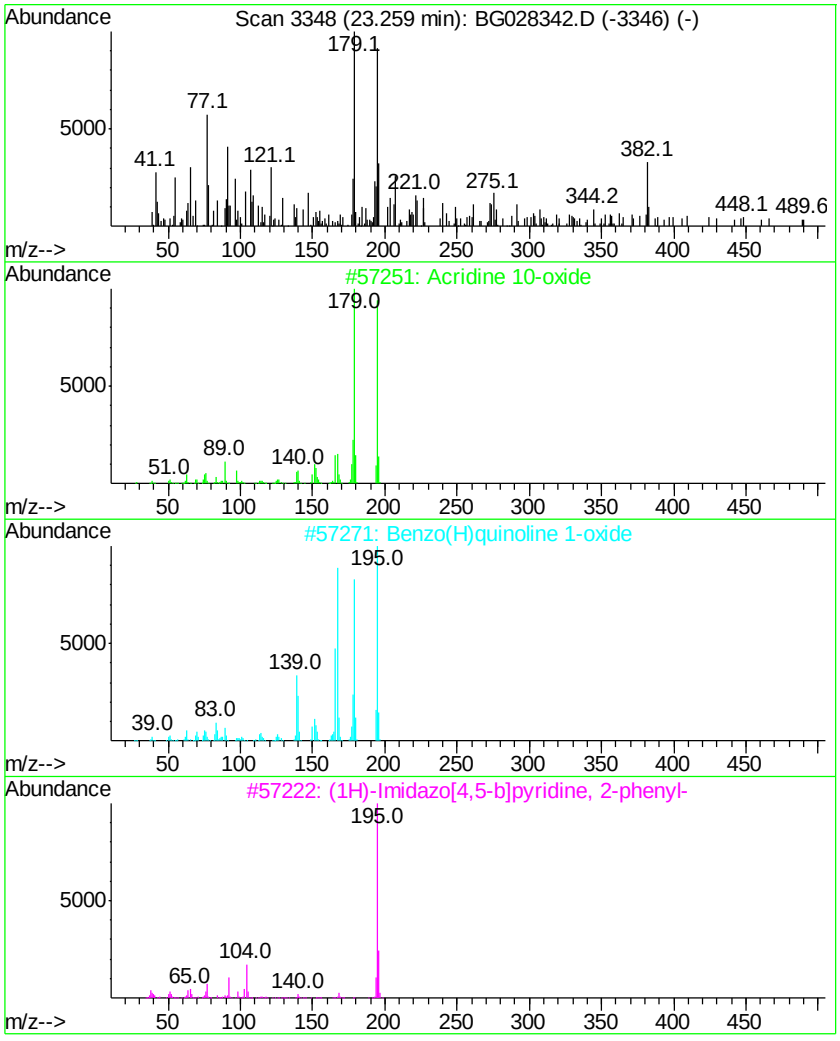
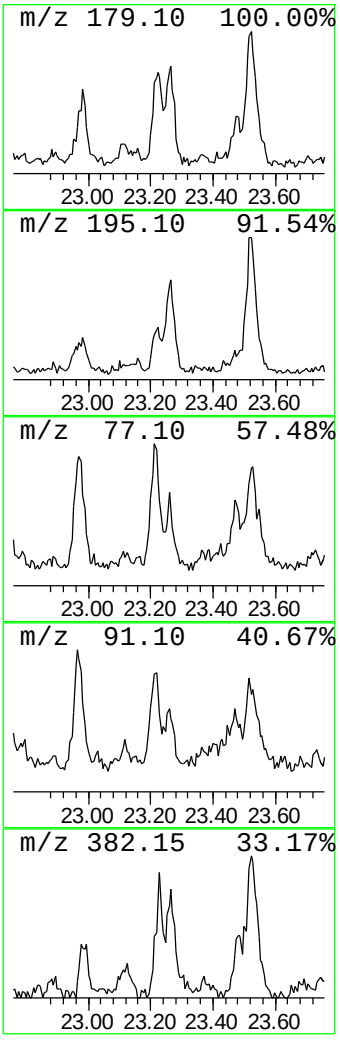
Peak Number 15 Acridine 10-oxide Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
23.26	3.59 ng/ul	161714	Chrysene-d12	22.05

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Acridine 10-oxide	195	C13H9NO	010399-73-2	58
2	Benzo(H)quinoline 1-oxide	195	C13H9NO	017104-70-0	50
3	(1H)-Imidazo[4,5-b]pyridine, 2-p...	195	C12H9N3	001016-93-9	27
4	Anthracene, 9-butyl-1,2,3,4-tetr...	238	C18H22	1000151-39-2	25
5	7-methyl-4-azafluorenone	195	C13H9NO	064292-02-0	25





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Sample : I4521-04DL 25X
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BC8B9DL

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG080217.M
Quant Title : SVOA CALIBRATION

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

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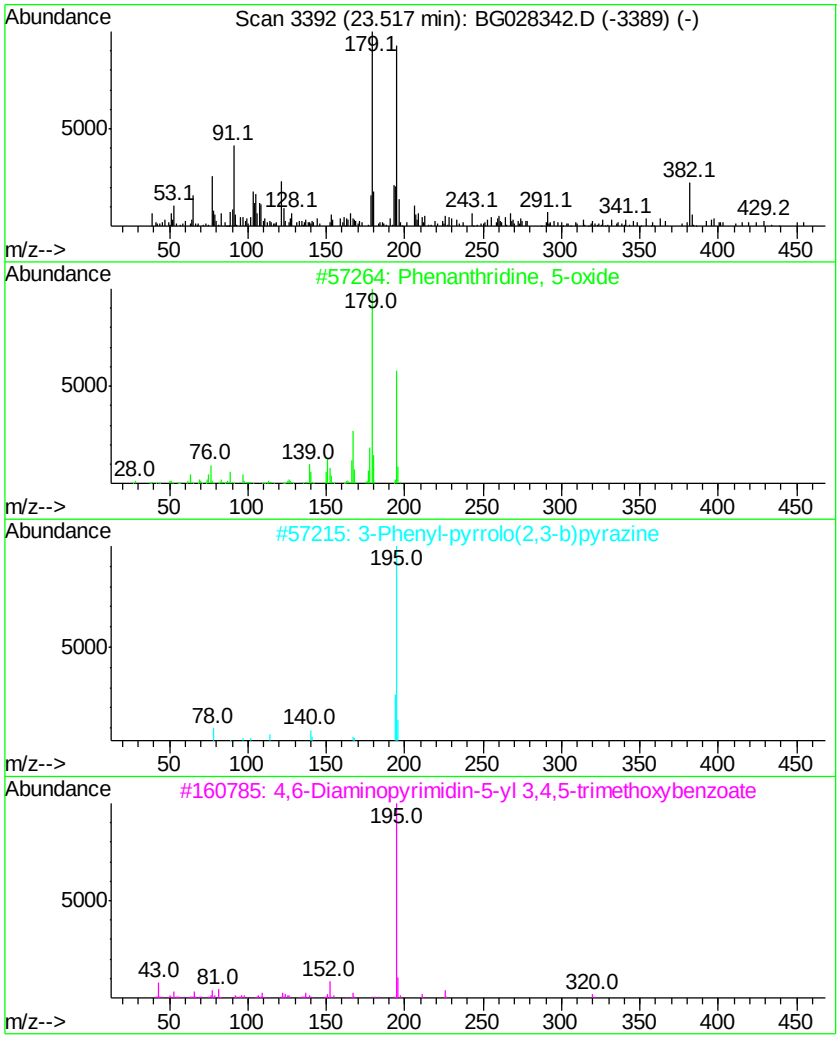
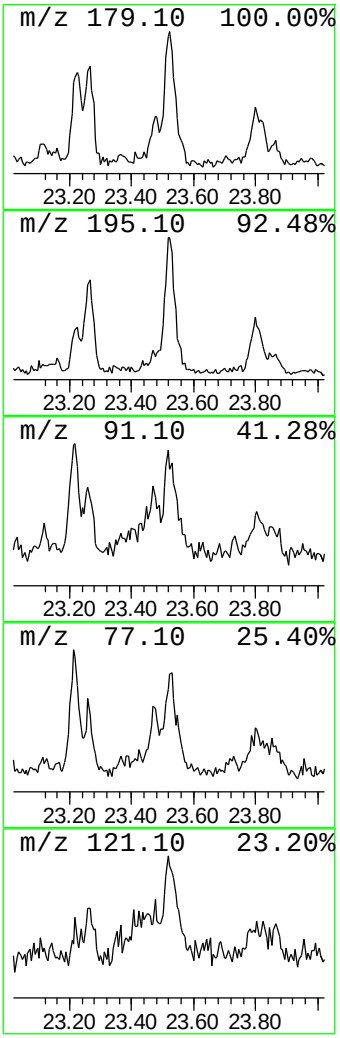
Peak Number 16 Phenanthridine, 5-oxide Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
23.52	5.57 ng/ul	250569	Chrysene-d12	22.05

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthridine, 5-oxide	195	C13H9NO	014548-01-7	53
2	3-Phenyl-pyrrolo(2,3-b)pyrazine	195	C12H9N3	056015-27-1	38
3	4,6-Diaminopyrimidin-5-yl 3,4,5-...	320	C14H16N4O5	1000253-41-0	38
4	5H-Indeno[1,2-b]pyridin-5-one, 3...	195	C13H9NO	1000337-74-0	35
5	2-Methyldipyrrolo[1,2-a:2',1'-c]...	195	C12H9N3	1000305-64-5	30





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Operator : SJ/JU
Sample : I4521-04DL 25X
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BC8B9DL

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG080217.M
Quant Title : SVOA CALIBRATION

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

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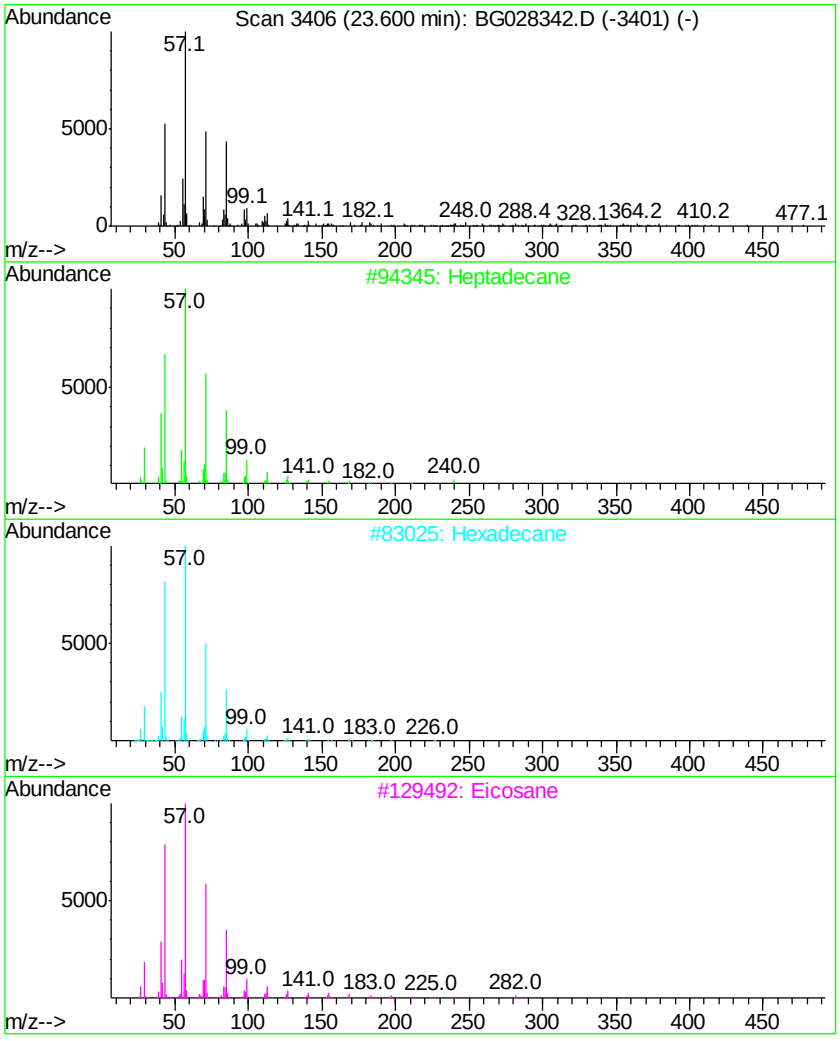
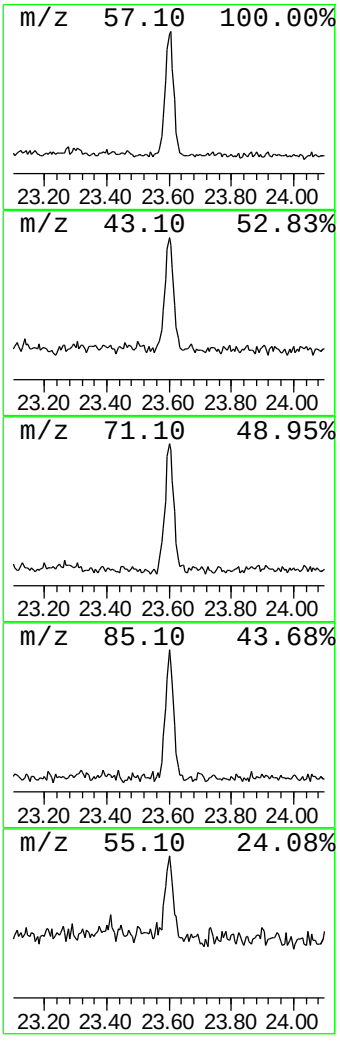
Peak Number 17 (DEL) Alkane: Straight-Chai... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
23.60	9.09 ng/ul	408917	Chrysene-d12	22.05

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptadecane	240	C17H36	000629-78-7	93
2	Hexadecane	226	C16H34	000544-76-3	93
3	Eicosane	282	C20H42	000112-95-8	90
4	Tridecane, 1-iodo-	310	C13H27I	035599-77-0	80
5	Tetracosane	338	C24H50	000646-31-1	80





Data Path : Z:\HPCHEM1\BNA G\Data\BG081517\
Data File : BG028342.D
Acq On : 15 Aug 2017 13:32
Operator : SJ/JU
Sample : I4521-04DL 25X
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BC8B9DL

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG080217.M
Quant Title : SVOA CALIBRATION

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

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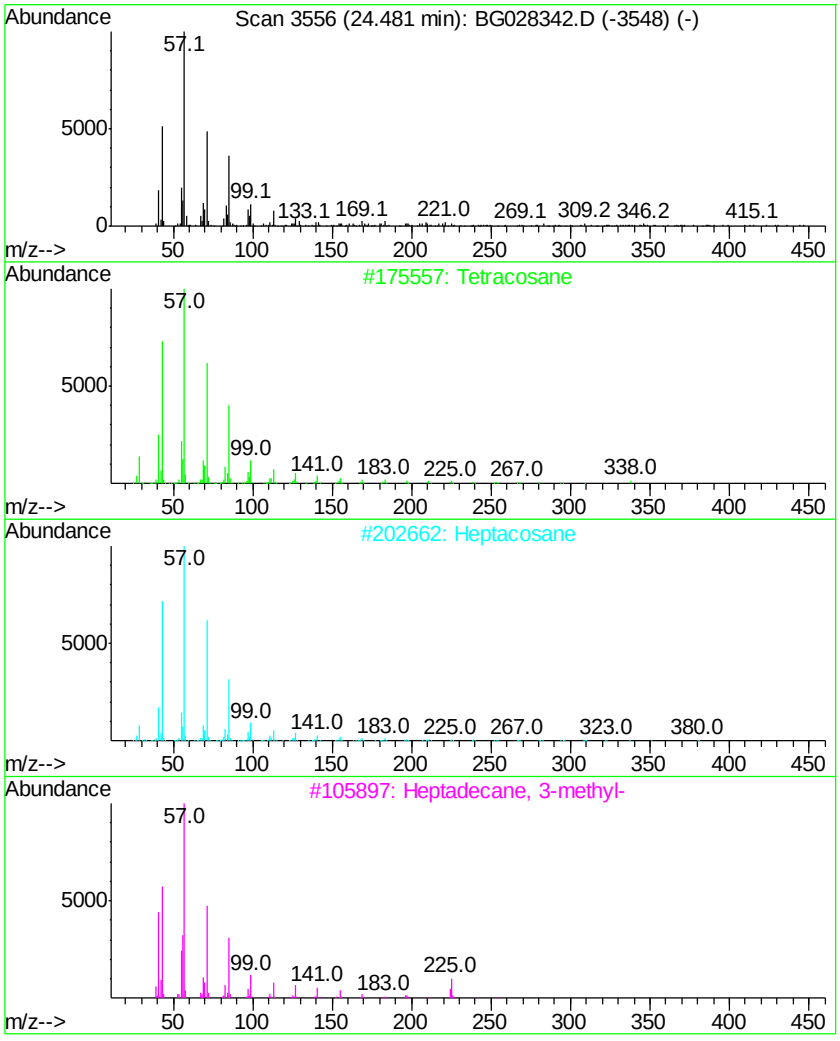
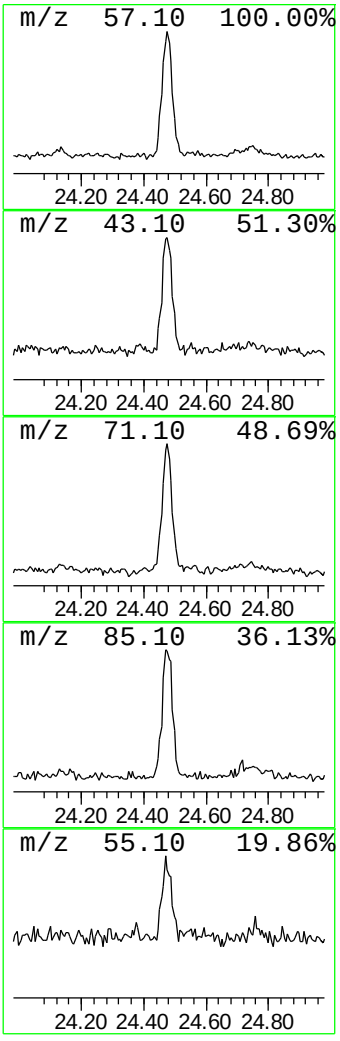
Peak Number 18 (DEL) Alkane: Straight-Chai... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
24.48	9.20 ng/ul	397942	Perylene-d12	25.57

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tetracosane	338	C24H50	000646-31-1	96
2	Heptacosane	380	C27H56	000593-49-7	87
3	Heptadecane, 3-methyl-	254	C18H38	006418-44-6	83
4	Tetradecane, 3-methyl-	212	C15H32	018435-22-8	83
5	Hexadecane, 3-methyl-	240	C17H36	006418-43-5	83





Library Search Compound Report

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Data File : BG028342.D
Acq On : 15 Aug 2017 13:32
Operator : SJ/JU
Sample : I4521-04DL 25X
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BC8B9DL

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG080217.M
Quant Title : SVOA CALIBRATION

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

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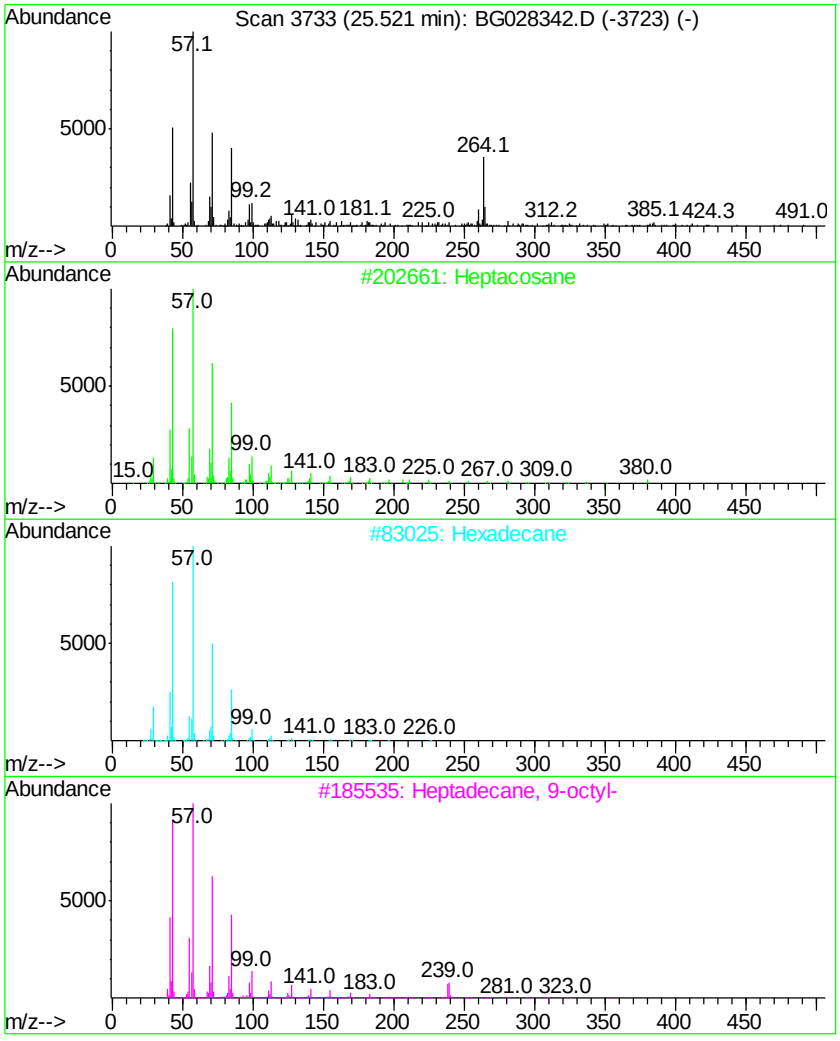
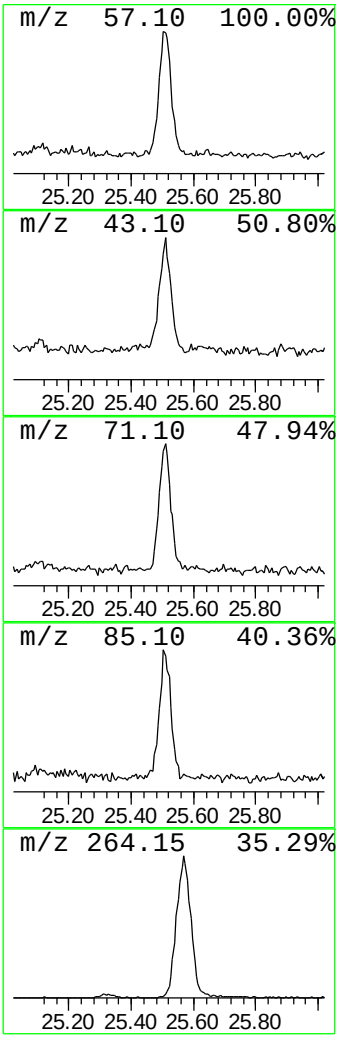
Peak Number 19 (DEL) Alkane: Straight-Chai... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
25.52	8.55 ng/ul	369757	Perylene-d12	25.57

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptacosane	380	C27H56	000593-49-7	80
2	Hexadecane	226	C16H34	000544-76-3	70
3	Heptadecane, 9-octyl-	352	C25H52	007225-64-1	68
4	Tetracosane	338	C24H50	000646-31-1	68
5	Hexacosane	366	C26H54	000630-01-3	64





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Sample : I4521-04DL 25X
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BC8B9DL

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG080217.M
Quant Title : SVOA CALIBRATION

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

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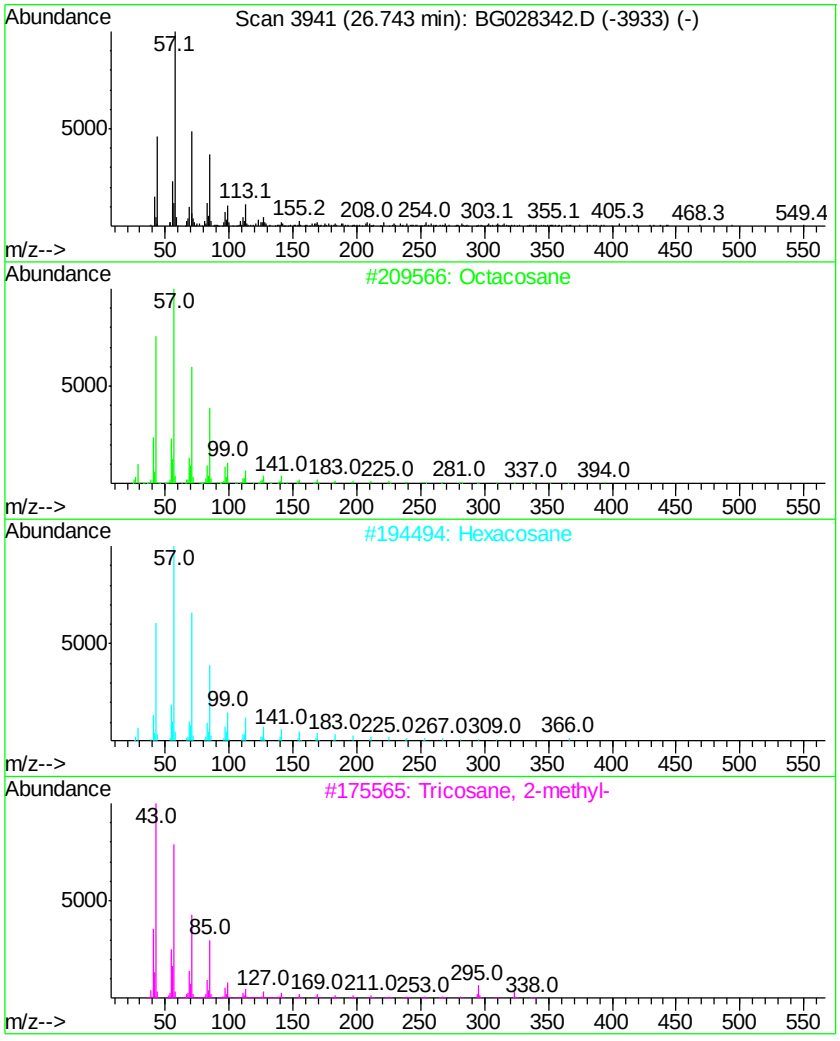
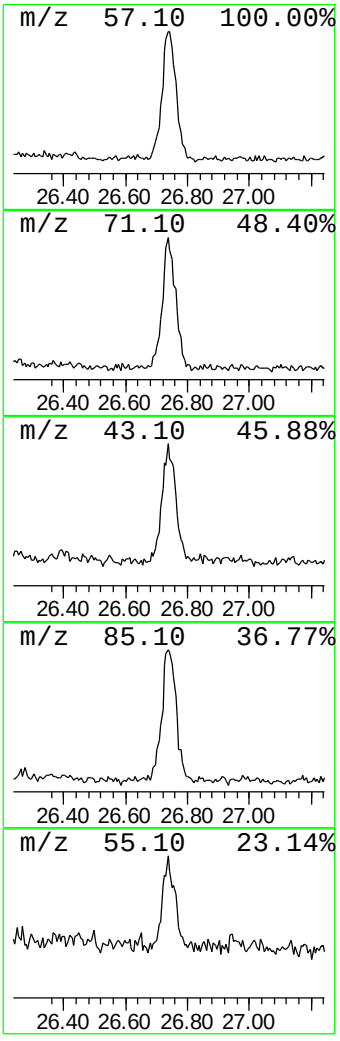
Peak Number 20 (DEL) Alkane: Straight-Chai... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
26.74	12.16 ng/ul	526107	Perylene-d12	25.57

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octacosane	394	C28H58	000630-02-4	93
2	Hexacosane	366	C26H54	000630-01-3	93
3	Tricosane, 2-methyl-	338	C24H50	001928-30-9	90
4	1-Iodo-2-methylundecane	296	C12H25I	073105-67-6	90
5	Behenyl chloride	344	C22H45Cl	042217-03-8	86





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Acq On : 15 Aug 2017 13:32
Operator : SJ/JU
Sample : I4521-04DL 25X
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BC8B9DL

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG080217.M
Quant Title : SVOA CALIBRATION

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

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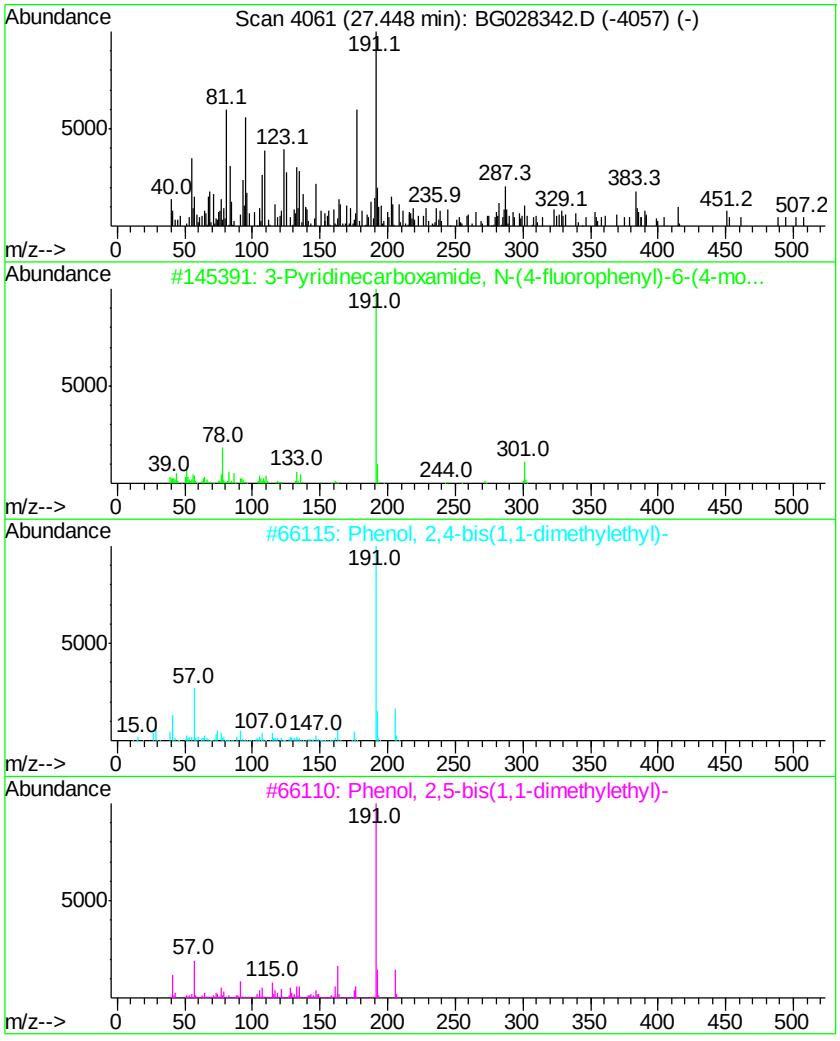
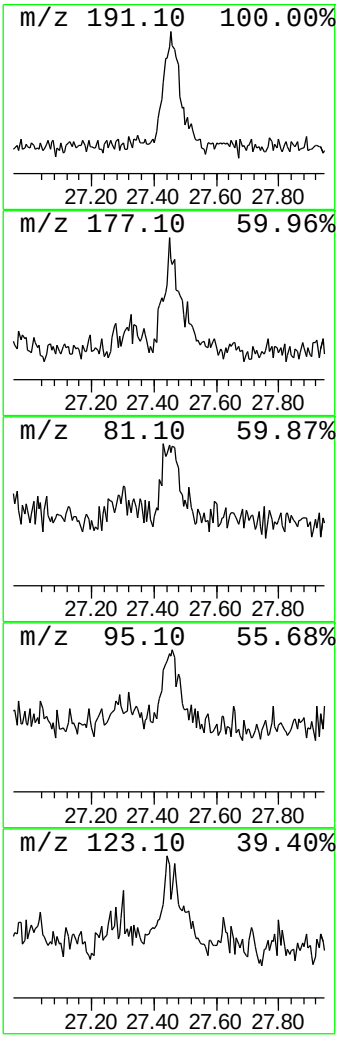
Peak Number 21 unknown-02 Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
27.45	5.23 ng/ul	226271	Perylene-d12	25.57

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Pyridinecarboxamide, N-(4-fluo...	301	C16H16FN3O2	1000320-01-6	43
2	Phenol, 2,4-bis(1,1-dimethylethyl)-	206	C14H22O	000096-76-4	43
3	Phenol, 2,5-bis(1,1-dimethylethyl)-	206	C14H22O	005875-45-6	43
4	Amiphenazole	191	C9H9N3S	000490-55-1	38
5	2-[2-(2-Methoxyethoxy)ethoxy]eth...	310	C10H15F5O5	1000351-98-2	38





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Data File : BG028342.D
Acq On : 15 Aug 2017 13:32
Operator : SJ/JU
Sample : I4521-04DL 25X
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BC8B9DL

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG080217.M
Quant Title : SVOA CALIBRATION

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

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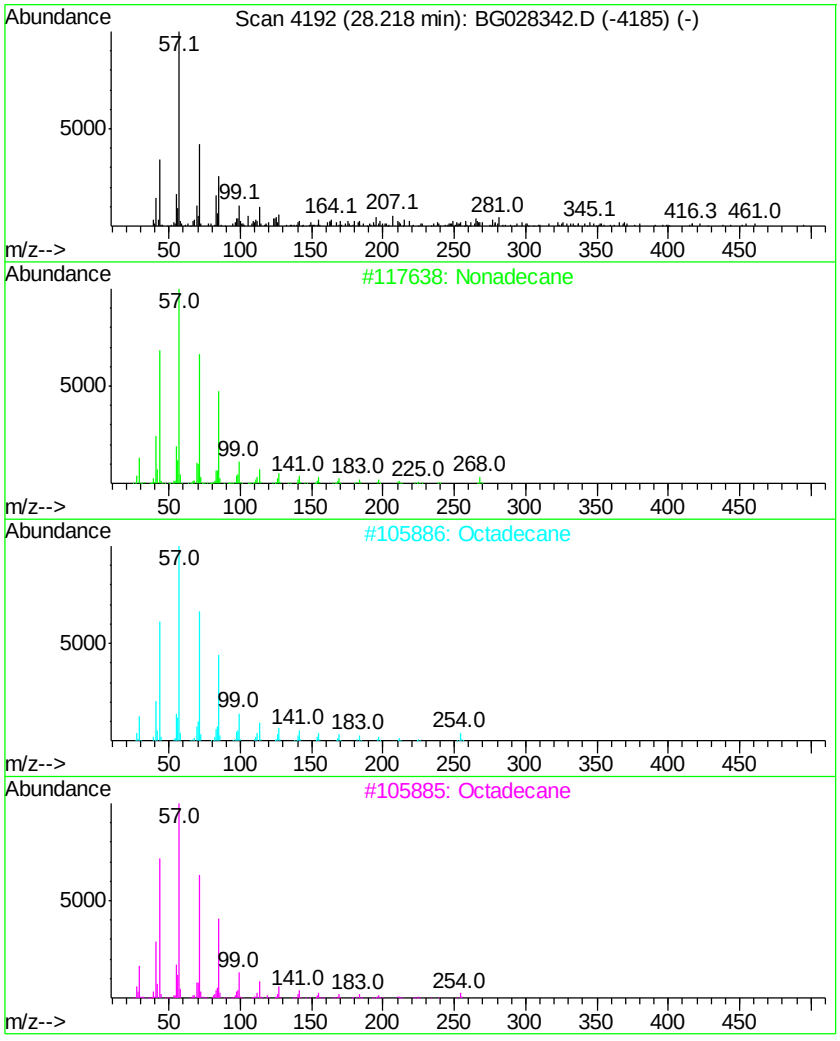
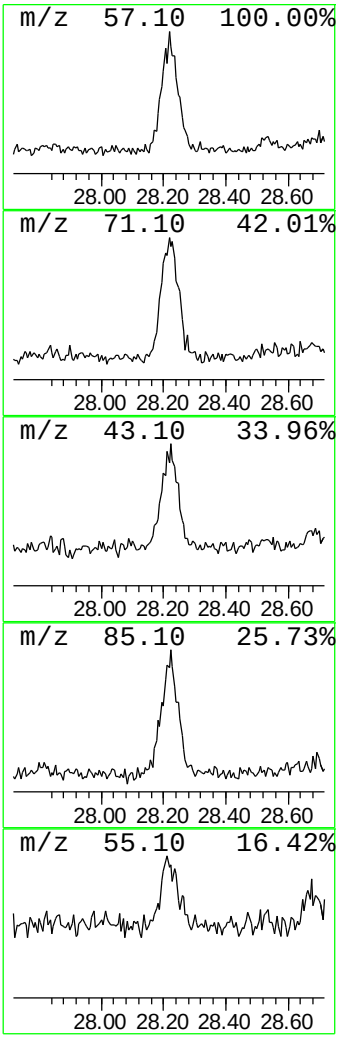
Peak Number 22 (DEL) Alkane: Straight-Chai... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
28.22	7.34 ng/ul	317529	Perylene-d12	25.57

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Nonadecane	268	C19H40	000629-92-5	86
2	Octadecane	254	C18H38	000593-45-3	86
3	Octadecane	254	C18H38	000593-45-3	86
4	Pentacosane	352	C25H52	000629-99-2	86
5	Octadecane	254	C18H38	000593-45-3	86





Data Path : Z:\HPCHEM1\BNA G\Data\BG081517\
Data File : BG028342.D
Acq On : 15 Aug 2017 13:32
Operator : SJ/JU
Sample : I4521-04DL 25X
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BC8B9DL

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG080217.M
Quant Title : SVOA CALIBRATION

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

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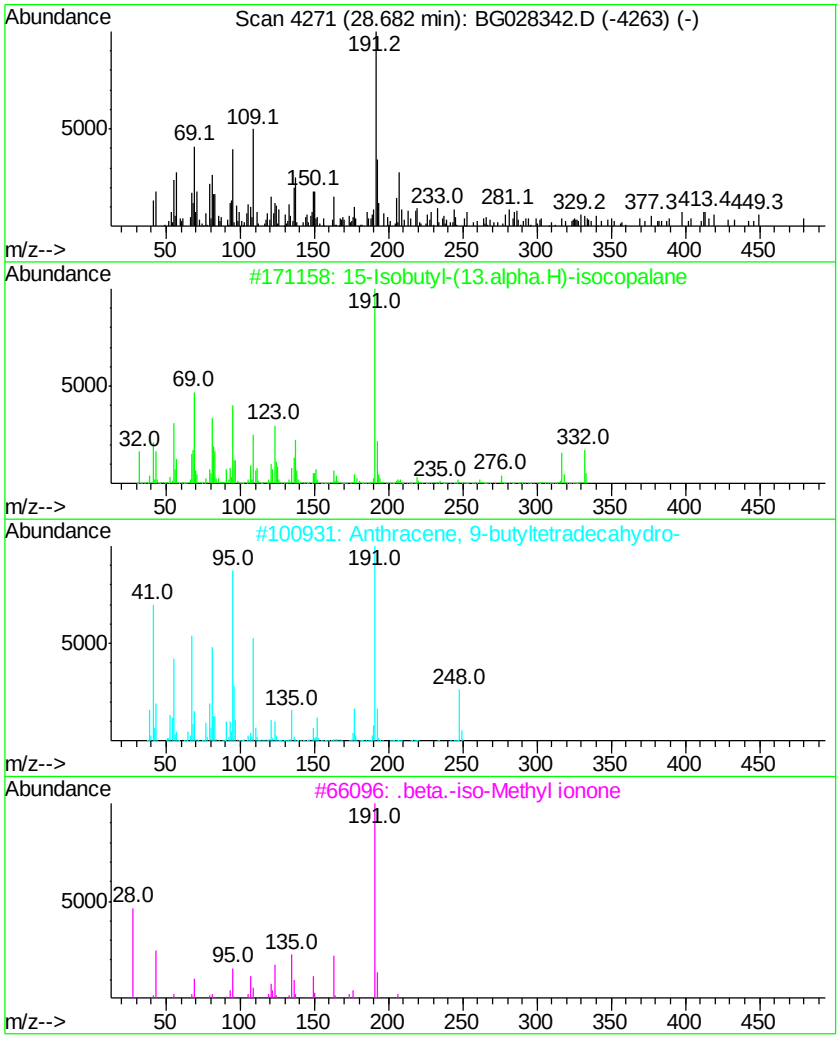
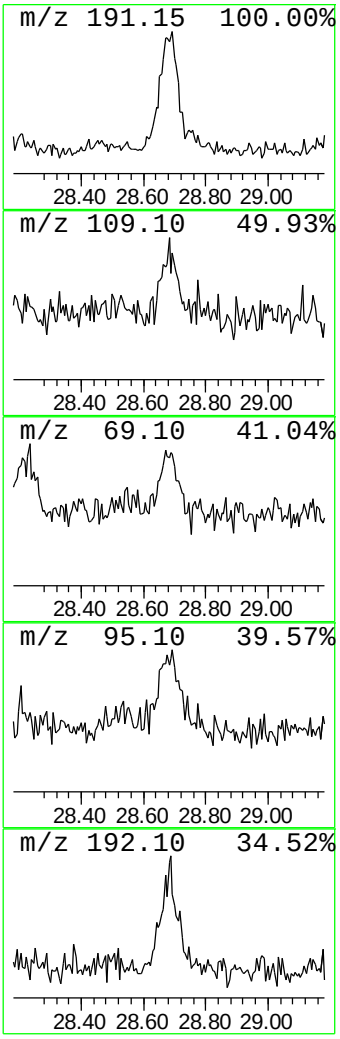
Peak Number 23 15-Isobutyl-(13.alpha.H)-is... Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
28.68	5.29 ng/ul	228874	Perylene-d12	25.57

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	15-Isobutyl-(13.alpha.H)-isocopa...	332	C24H44	087953-47-7	62
2	Anthracene, 9-butyltetradecahydro-	248	C18H32	055133-89-6	47
3	.beta.-iso-Methyl ionone	206	C14H22O	1000285-40-2	43
4	Thiourea, N-(2-chlorophenyl)-N'-...	226	C10H11ClN2S	1000351-07-8	42
5	N-(3,4,5,6-Tetrahydro-1,3-thiazi...	192	C10H12N2S	003420-40-4	38





Data Path : Z:\HPCHEM1\BNA G\Data\BG081517\
Data File : BG028342.D
Acq On : 15 Aug 2017 13:32
Operator : SJ/JU
Sample : I4521-04DL 25X
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BC8B9DL

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG080217.M
Quant Title : SVOA CALIBRATION

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

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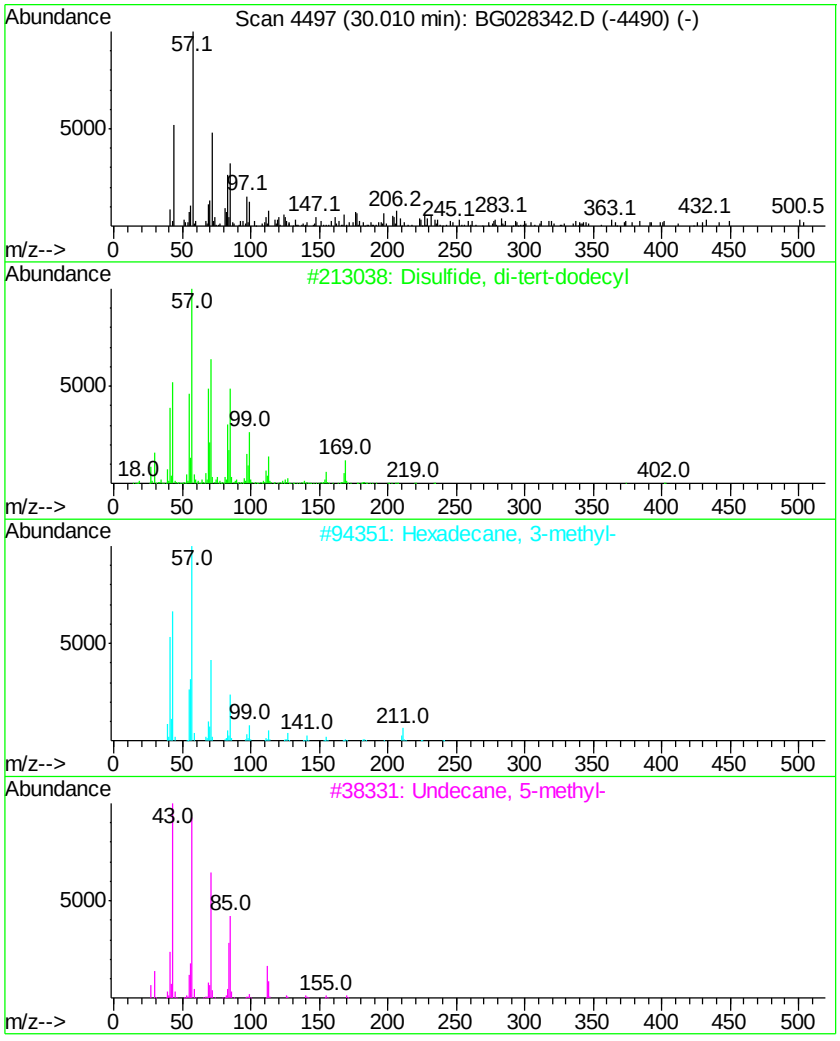
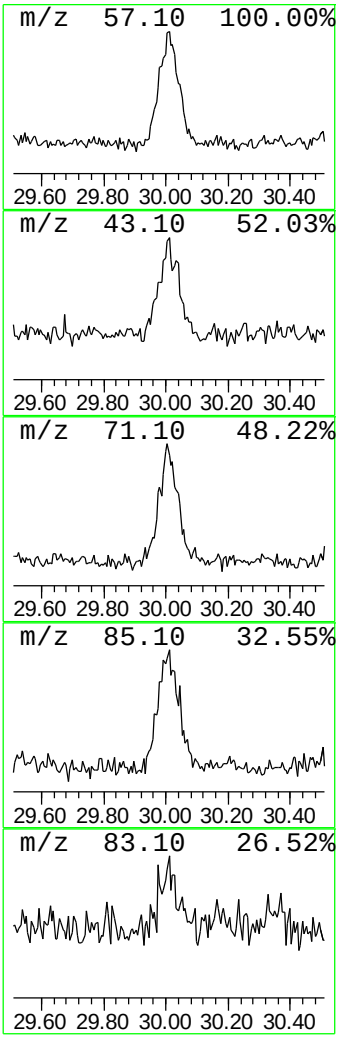
Peak Number 24 Disulfide, di-tert-dodecyl Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
30.01	5.58 ng/ul	241403	Perylene-d12	25.57

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Disulfide, di-tert-dodecyl	402	C24H50S2	027458-90-8	62
2	Hexadecane, 3-methyl-	240	C17H36	006418-43-5	62
3	Undecane, 5-methyl-	170	C12H26	001632-70-8	62
4	Sulfurous acid, butyl undecyl ester	292	C15H32O3S	1000309-17-8	58
5	Heptadecane, 8-methyl-	254	C18H38	013287-23-5	58





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_G\Data\BG081517\
Data File : BG028342.D
Acq On : 15 Aug 2017 13:32
Operator : SJ/JU
Sample : I4521-04DL 25X
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BC8B9DL

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG080217.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
Propanenitrile, 3...	15.74	2.2	ng/ul	76275	3	14.96	690015	20.0
n-Hexadecanoic acid	18.56	8.2	ng/ul	342797	4	17.71	832524	20.0
Octadecanoic acid	19.82	6.1	ng/ul	253112	4	17.71	832524	20.0
1,7-Dimethyldiben...	20.09	2.0	ng/ul	91762	5	22.05	899732	20.0
(DEL) Alkane: Str...	20.57	2.9	ng/ul	131325	5	22.05	899732	20.0
Testosterone	20.80	15.2	ng/ul	684356	5	22.05	899732	20.0
(DEL) Alkane: Str...	21.07	3.9	ng/ul	176193	5	22.05	899732	20.0
(DEL) Alkane: Str...	21.61	5.2	ng/ul	233892	5	22.05	899732	20.0
unknown-01	21.77	7.2	ng/ul	324745	5	22.05	899732	20.0
(DEL) Alkane: Str...	22.20	21.6	ng/ul	971625	5	22.05	899732	20.0
Phosphoric acid, ...	22.74	2.4	ng/ul	107912	5	22.05	899732	20.0
(DEL) Alkane: Str...	22.85	7.2	ng/ul	322119	5	22.05	899732	20.0
Ferrocene, 1,1',3...	22.95	16.9	ng/ul	761983	5	22.05	899732	20.0
Phosphoric acid, ...	23.21	6.2	ng/ul	280748	5	22.05	899732	20.0
Acridine 10-oxide	23.26	3.6	ng/ul	161714	5	22.05	899732	20.0
Phenanthridine, 5...	23.52	5.6	ng/ul	250569	5	22.05	899732	20.0
(DEL) Alkane: Str...	23.60	9.1	ng/ul	408917	5	22.05	899732	20.0
(DEL) Alkane: Str...	24.48	9.2	ng/ul	397942	6	25.57	865013	20.0
(DEL) Alkane: Str...	25.52	8.6	ng/ul	369757	6	25.57	865013	20.0
(DEL) Alkane: Str...	26.74	12.2	ng/ul	526107	6	25.57	865013	20.0
unknown-02	27.45	5.2	ng/ul	226271	6	25.57	865013	20.0
(DEL) Alkane: Str...	28.22	7.3	ng/ul	317529	6	25.57	865013	20.0
15-Isobutyl-(13.a...	28.68	5.3	ng/ul	228874	6	25.57	865013	20.0
Disulfide, di-ter...	30.01	5.6	ng/ul	241403	6	25.57	865013	20.0