LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG081417\
Data File : BG028319.D
Acq On : 14 Aug 2017 19:25
Operator : SJ/JU
Sample : I4521-04DL 10X
Misc :
ALS Vial : 6 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	4.575	163	168	173	rBV4	3443	6811	0.13%	0.026%
2	6.009	404	412	420	rVB4	4490	10305	0.20%	0.039%
3	6.356	468	471	478	rBV3	3006	6487	0.13%	0.025%
4	7.519	662	669	677	rBV5	7990	17479	0.35%	0.067%
5	7.678	689	696	705	rBV5	6823	16224	0.32%	0.062%
6	7.901	727	734	739	rBV5	6126	10645	0.21%	0.041%
7	8.359	804	812	823	rBV	185824	334991	6.63%	1.276%
8	9.058	924	931	937	rVB4	6531	13647	0.27%	0.052%
9	9.123	937	942	949	rBV6	3558	8940	0.18%	0.034%
10	9.528	1005	1011	1021	rBV4	7682	19959	0.39%	0.076%
11	10.257	1130	1135	1142	rBV4	5908	11233	0.22%	0.043%
12	10.803	1221	1228	1244	rVB5	7100	20432	0.40%	0.078%
13	11.115	1274	1281	1284	rBV4	4303	9225	0.18%	0.035%
14	11.179	1284	1292	1308	rVB	294115	549505	10.87%	2.094%
15	12.543	1517	1524	1530	rBV5	4332	8043	0.16%	0.031%
16	12.807	1565	1569	1577	rVB7	3583	8905	0.18%	0.034%
17	12.948	1585	1593	1597	rBV4	2874	6242	0.12%	0.024%
18	13.342	1653	1660	1667	rBV5	3011	7028	0.14%	0.027%
19	13.430	1667	1675	1680	rVV5	5851	14278	0.28%	0.054%
20	13.753	1725	1730	1735	rBV3	7401	11684	0.23%	0.045%
21	14.141	1788	1796	1800	rBV6	5680	9641	0.19%	0.037%
22	14.276	1814	1819	1824	rBV6	4426	6702	0.13%	0.026%
23	14.352	1824	1832	1836	rVV2	22336	39259	0.78%	0.150%
24	14.399	1836	1840	1847	rVB	10568	17569	0.35%	0.067%
25	14.517	1858	1860	1865	rVB3	4815	5344	0.11%	0.020%
26	14.599	1865	1874	1879	rBV2	50527	76273	1.51%	0.291%
27	14.658	1879	1884	1893	rVB2	32323	53357	1.06%	0.203%
28	14.787	1902	1906	1908	rBV4	3667	5562	0.11%	0.021%
29	14.816	1908	1911	1915	rVB4	7684	11997	0.24%	0.046%
30	14.963	1916	1936	1945	rBV2	448615	788766	15.61%	3.006%
31	15.134	1960	1965	1968	rBV6	4909	6964	0.14%	0.027%
32	15.175	1969	1972	1974	rVV4	6516	7042	0.14%	0.027%
33	15.192	1974	1975	1983	rVB6	4353	7097	0.14%	0.027%
34	15.369	1998	2005	2010	rVB8	5963	10360	0.20%	0.039%

LSC Area Percent Report

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Data File : BG028319.D
Acq On : 14 Aug 2017 19:25
Operator : SJ/JU
Sample : I4521-04DL 10X
Misc :
ALS Vial : 6 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	15.433	2012	2016	2022	rVB5	9519	14572	0.29%	0.056%
36	15.598	2040	2044	2053	rVB10	6101	13227	0.26%	0.050%
37	15.745	2061	2069	2081	rBV	115344	176369	3.49%	0.672%
38	15.833	2081	2084	2090	rVV7	4038	7999	0.16%	0.030%
39	15.956	2100	2105	2113	rVB2	32439	60220	1.19%	0.229%
40	16.074	2120	2125	2134	rVB2	8711	22775	0.45%	0.087%
41	16.162	2134	2140	2144	rBV7	6302	13841	0.27%	0.053%
42	16.232	2147	2152	2157	rVB3	23009	33845	0.67%	0.129%
43	16.585	2208	2212	2215	rVB5	4873	6000	0.12%	0.023%
44	16.649	2215	2223	2225	rBV8	13735	28219	0.56%	0.108%
45	16.773	2237	2244	2245	rBV7	6932	9446	0.19%	0.036%
46	16.884	2259	2263	2269	rBV9	11668	26263	0.52%	0.100%
47	16.932	2269	2271	2276	rVB6	6374	7661	0.15%	0.029%
48	16.979	2276	2279	2282	rBV5	6379	8086	0.16%	0.031%
49	17.067	2291	2294	2305	rVB10	34149	67799	1.34%	0.258%
50	17.143	2305	2307	2308	rBV2	8667	5950	0.12%	0.023%
51	17.231	2318	2322	2327	rBV6	9072	14519	0.29%	0.055%
52	17.366	2342	2345	2349	rBV6	6943	11992	0.24%	0.046%
53	17.431	2351	2356	2363	rBV8	20916	42579	0.84%	0.162%
54	17.713	2397	2404	2416	rBV	545283	901882	17.84%	3.437%
55	17.819	2416	2422	2428	rBV2	29242	57559	1.14%	0.219%
56	18.042	2455	2460	2463	rBV7	8396	15241	0.30%	0.058%
57	18.253	2493	2496	2498	rBV4	7257	7873	0.16%	0.030%
58	18.565	2543	2549	2556	rBV2	481206	774942	15.33%	2.953%
59	18.641	2557	2562	2569	rVB	213201	330521	6.54%	1.259%
60	19.293	2669	2673	2682	rVB6	48933	77667	1.54%	0.296%
61	19.464	2698	2702	2710	rBV3	76235	113522	2.25%	0.433%
62	19.534	2711	2714	2719	rVB7	30696	44114	0.87%	0.168%
63	19.822	2758	2763	2773	rBV	422250	606104	11.99%	2.310%
64	20.040	2795	2800	2804	rBV2	135320	190826	3.78%	0.727%
65	20.087	2806	2808	2811	rBV4	26090	31461	0.62%	0.120%
66	20.292	2840	2843	2848	rVB7	42599	57155	1.13%	0.218%
67	20.351	2851	2853	2856	rBV4	34188	37147	0.73%	0.142%
68	20.510	2875	2880	2885	rVB6	93342	130553	2.58%	0.497%
69	20.563	2886	2889	2895	rBV	204526	291008	5.76%	1.109%
70	20.897	2943	2946	2950	rBV6	53945	78820	1.56%	0.300%
71	21.074	2972	2976	2986	rVB	291461	400966	7.93%	1.528%

LSC Area Percent Report

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Data File : BG028319.D
Acq On : 14 Aug 2017 19:25
Operator : SJ/JU
Sample : I4521-04DL 10X
Misc :
ALS Vial : 6 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
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Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG080217.M
Title : SVOA CALIBRATION

72	21.614	3063	3068	3074	rVB	344055	443054	8.77%	1.688%
73	21.767	3089	3094	3105	rVB2	302479	490445	9.70%	1.869%
74	21.885	3107	3114	3123	rVB	3328993	5054263	100.00%	19.259%
75	22.049	3135	3142	3151	rBV	580520	1065524	21.08%	4.060%
76	22.196	3162	3167	3177	rVB	418374	674053	13.34%	2.568%
77	22.742	3256	3260	3265	rVB2	152373	247573	4.90%	0.943%
78	22.854	3273	3279	3289	rVB2	418467	789254	15.62%	3.007%
79	22.954	3289	3296	3308	rBV4	661021	1820814	36.03%	6.938%
80	23.212	3334	3340	3345	rBV4	336075	721726	14.28%	2.750%
81	23.265	3346	3349	3361	rVB4	241009	446160	8.83%	1.700%
82	23.477	3380	3385	3388	rBV6	114085	213487	4.22%	0.813%
83	23.524	3388	3393	3401	rVV3	272567	672231	13.30%	2.562%
84	23.606	3401	3407	3415	rVB2	432272	855363	16.92%	3.259%
85	23.800	3436	3440	3449	rBV7	84800	223197	4.42%	0.850%
86	24.481	3548	3556	3574	rBV	412933	1046787	20.71%	3.989%
87	25.516	3724	3732	3736	rBV2	351503	891567	17.64%	3.397%
88	26.397	3877	3882	3888	rBV10	53303	125293	2.48%	0.477%
89	26.749	3932	3942	3954	rVB3	357105	1192486	23.59%	4.544%
90	27.466	4055	4064	4084	rVB5	167470	698679	13.82%	2.662%
91	28.230	4185	4194	4211	rVB4	188422	710932	14.07%	2.709%
92	28.688	4264	4272	4284	rVB5	131737	495747	9.81%	1.889%
93	30.016	4489	4498	4515	rVB5	123482	508002	10.05%	1.936%

Sum of corrected areas: 26243356

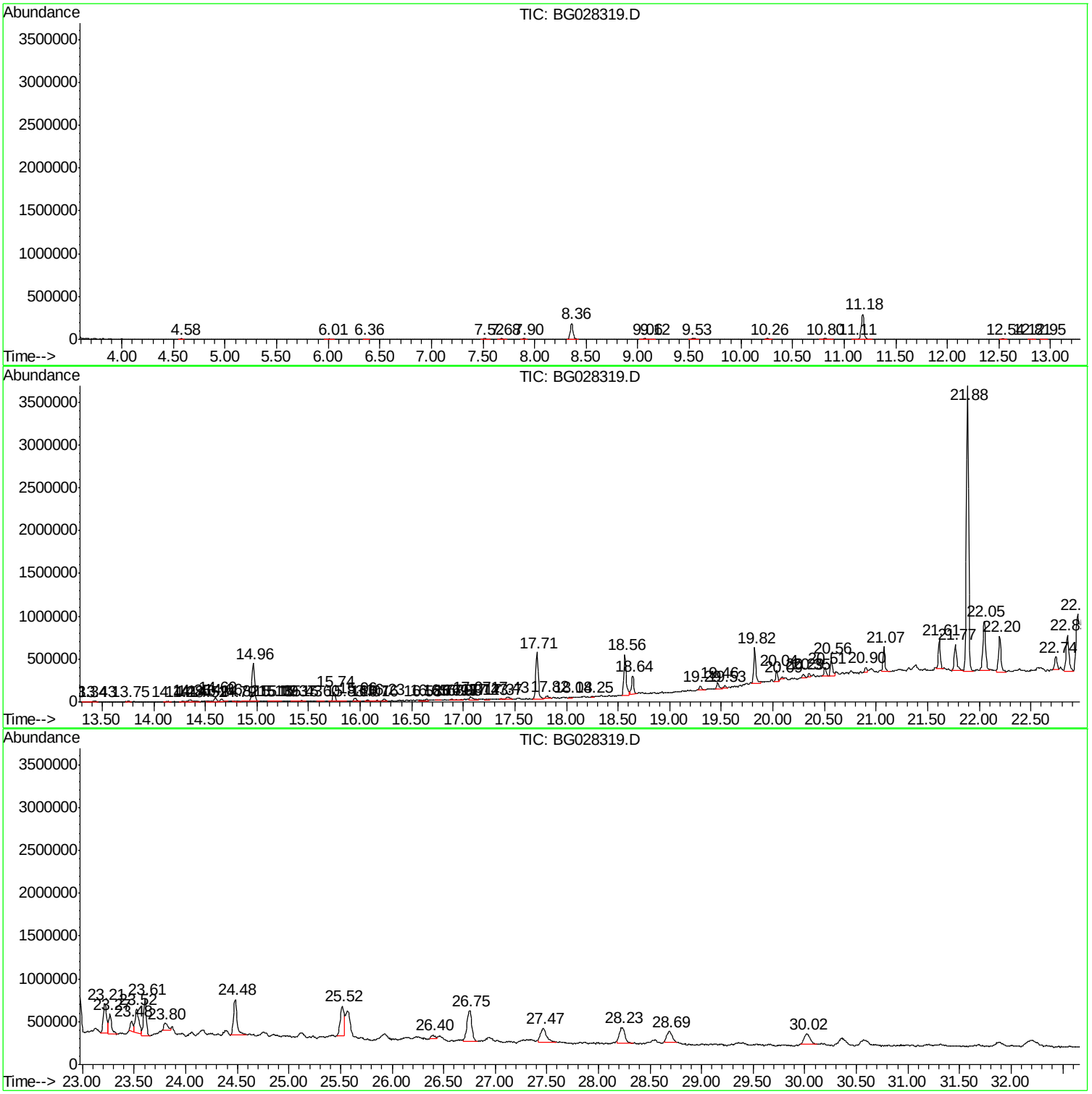
LSC Report - Integrated Chromatogram

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG081417\
Data File : BG028319.D
Acq On : 14 Aug 2017 19:25
Operator : SJ/JU
Sample : I4521-04DL 10X
Misc :
ALS Vial : 6 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\BG081417\
Data File : BG028319.D
Acq On : 14 Aug 2017 19:25
Operator : SJ/JU
Sample : I4521-04DL 10X
Misc :
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Instrument : BNA_G
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Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG080217.M
Quant Title : SVOA CALIBRATION

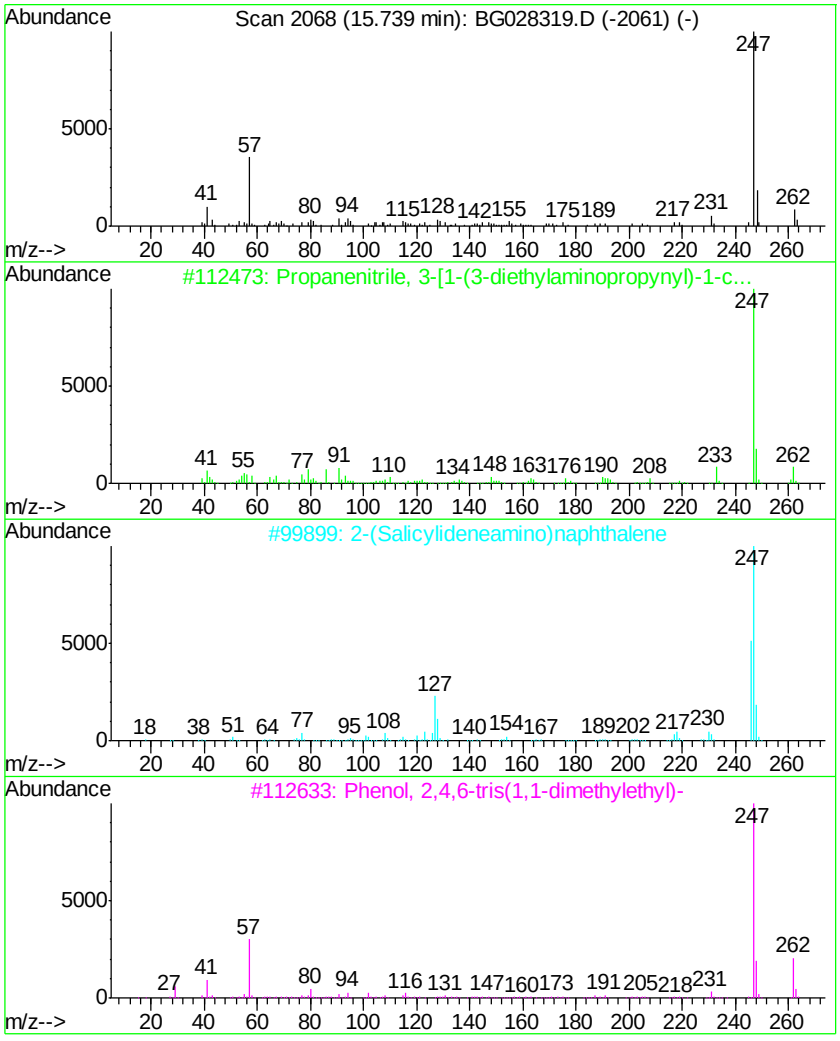
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

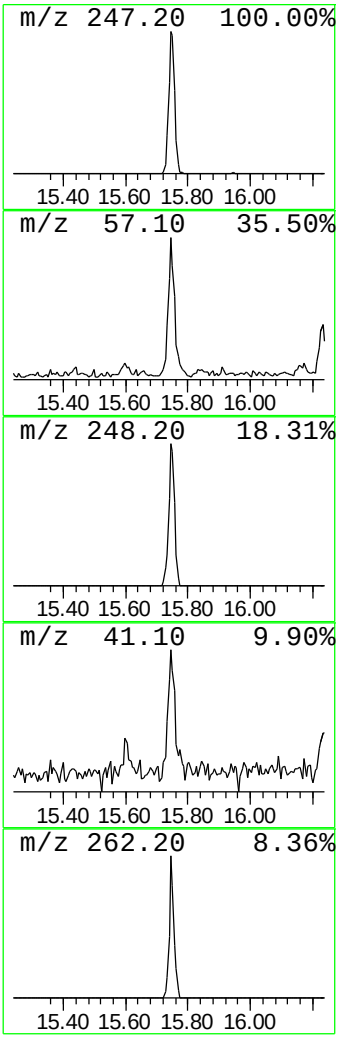
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.74	4.47 ng/ul	176369	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	2-(Salicylideneamino)naphthalene	247	C17H13NO	001689-72-1	64
3	Phenol, 2,4,6-tris(1,1-dimethyle...	262	C18H30O	000732-26-3	64
4	5,8-Dimethoxy-6-methyl-2-nitroso...	247	C13H13NO4	099316-37-7	64
5	Isophthalic acid, 2,4-dichloroph...	408	C21H22Cl2O4	1000344-41-1	59





Data Path : Z:\HPCHEM1\BNA_G\DATA\BG081417\
Data File : BG028319.D
Acq On : 14 Aug 2017 19:25
Operator : SJ/JU
Sample : I4521-04DL 10X
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BC8B9DL

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

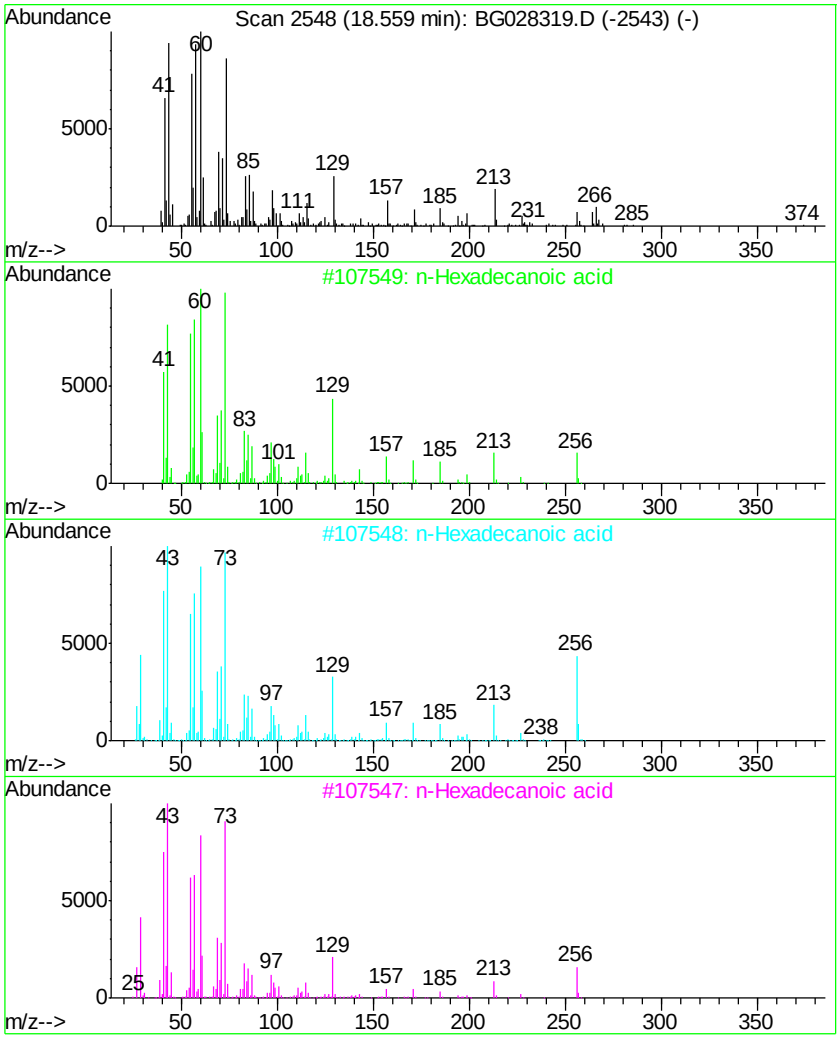
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

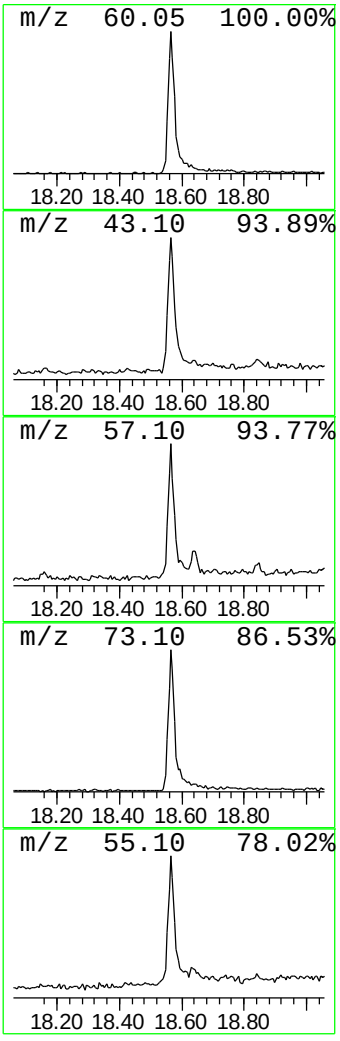
****

Peak Number 2 n-Hexadecanoic acid Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.56	17.19 ng/ul	774942	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	93
3	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	80
4	Heptadecanoic acid	270	C17H34O2	000506-12-7	74
5	Tridecanoic acid	214	C13H26O2	000638-53-9	70





Data Path : Z:\HPCHEM1\BNA_G\DATA\BG081417\
Data File : BG028319.D
Acq On : 14 Aug 2017 19:25
Operator : SJ/JU
Sample : I4521-04DL 10X
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BC8B9DL

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

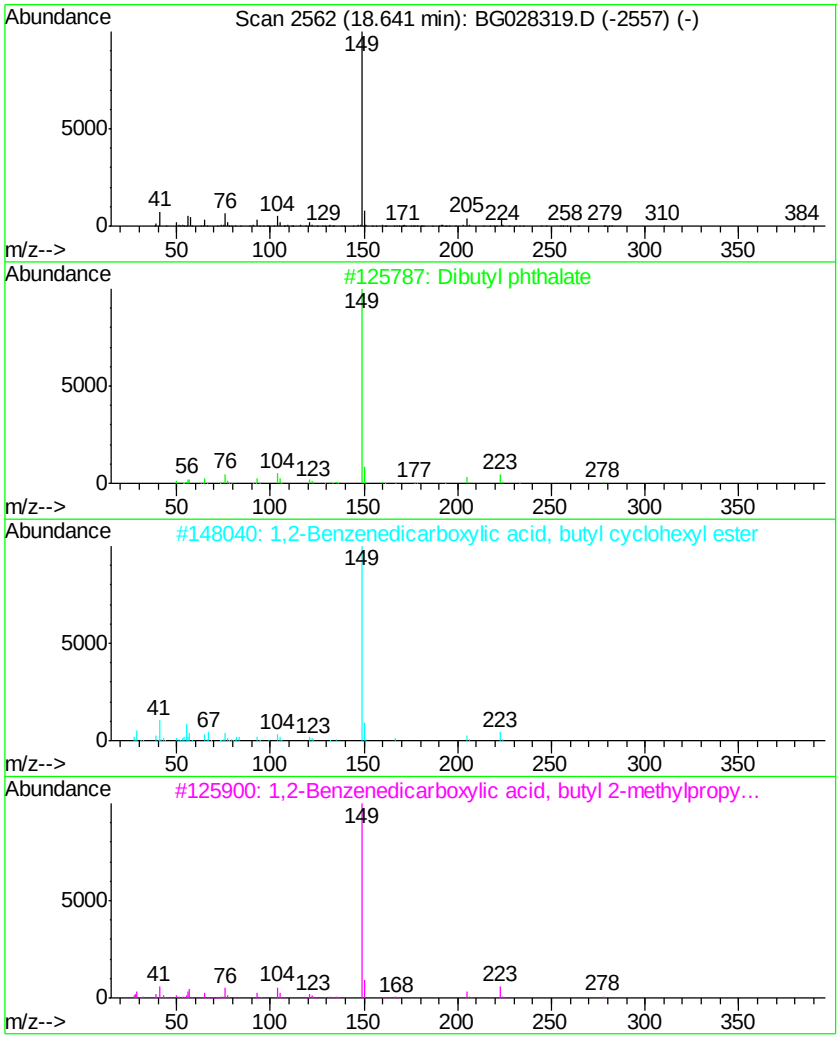
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

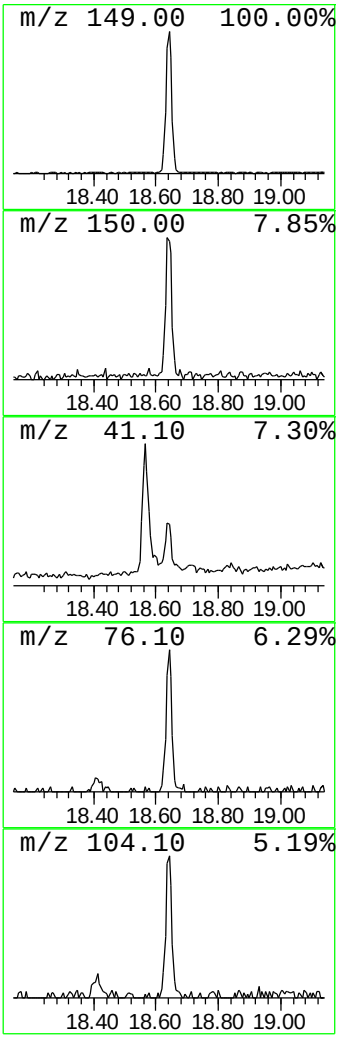
****

Peak Number 3 Dibutyl phthalate Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.64	7.33 ng/ul	330521	Phenanthrene-d10	17.71

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibutyl phthalate	278	C16H22O4	000084-74-2	90
2	1,2-Benzenedicarboxylic acid, bu...	304	C18H24O4	000084-64-0	90
3	1,2-Benzenedicarboxylic acid, bu...	278	C16H22O4	017851-53-5	83
4	1,2-Benzenedicarboxylic acid, bu...	334	C20H30O4	000085-69-8	83
5	1,2-Benzenedicarboxylic acid, bu...	334	C20H30O4	000084-78-6	83





Data Path : Z:\HPCHEM1\BNA_G\DATA\BG081417\
Data File : BG028319.D
Acq On : 14 Aug 2017 19:25
Operator : SJ/JU
Sample : I4521-04DL 10X
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BC8B9DL

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

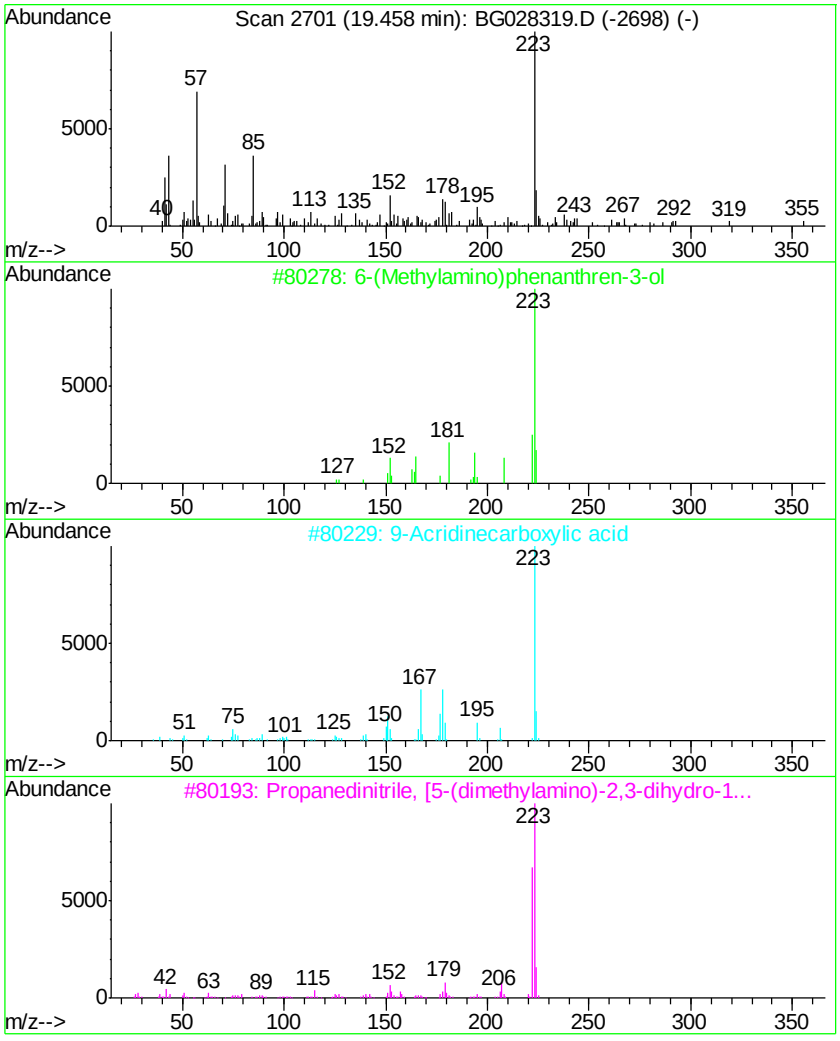
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

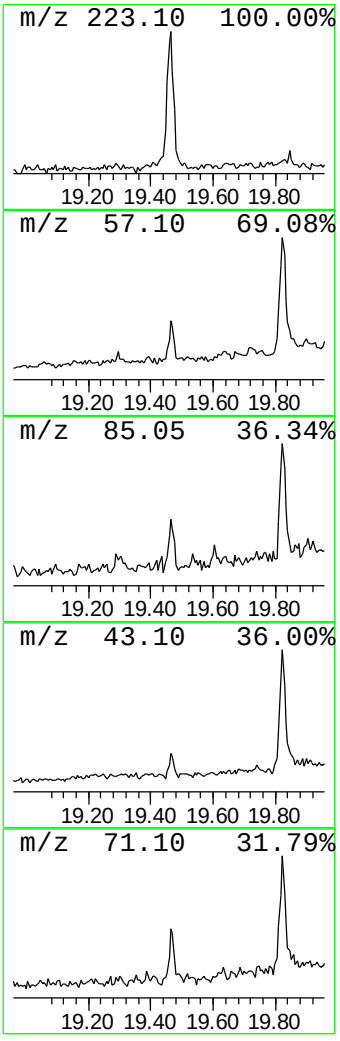
****

Peak Number 4 6-(Methylamino)phenanthren-... Concentration Rank 27

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.46	2.52 ng/ul	113522	Phenanthrene-d10	17.71

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	6-(Methylamino)phenanthren-3-ol	223	C15H13NO	098033-23-9	76
2	9-Acridinecarboxylic acid	223	C14H9NO2	005336-90-3	46
3	Propanedinitrile, [5-(dimethylam...	223	C14H13N3	131303-47-4	41
4	9-Acridinecarboxylic acid	223	C14H9NO2	005336-90-3	41
5	5-Amino-4-cyano-1-phenyl-3-pyraz...	223	C12H9N5	007152-40-1	38





Data Path : Z:\HPCHEM1\BNA_G\DATA\BG081417\
Data File : BG028319.D
Acq On : 14 Aug 2017 19:25
Operator : SJ/JU
Sample : I4521-04DL 10X
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BC8B9DL

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

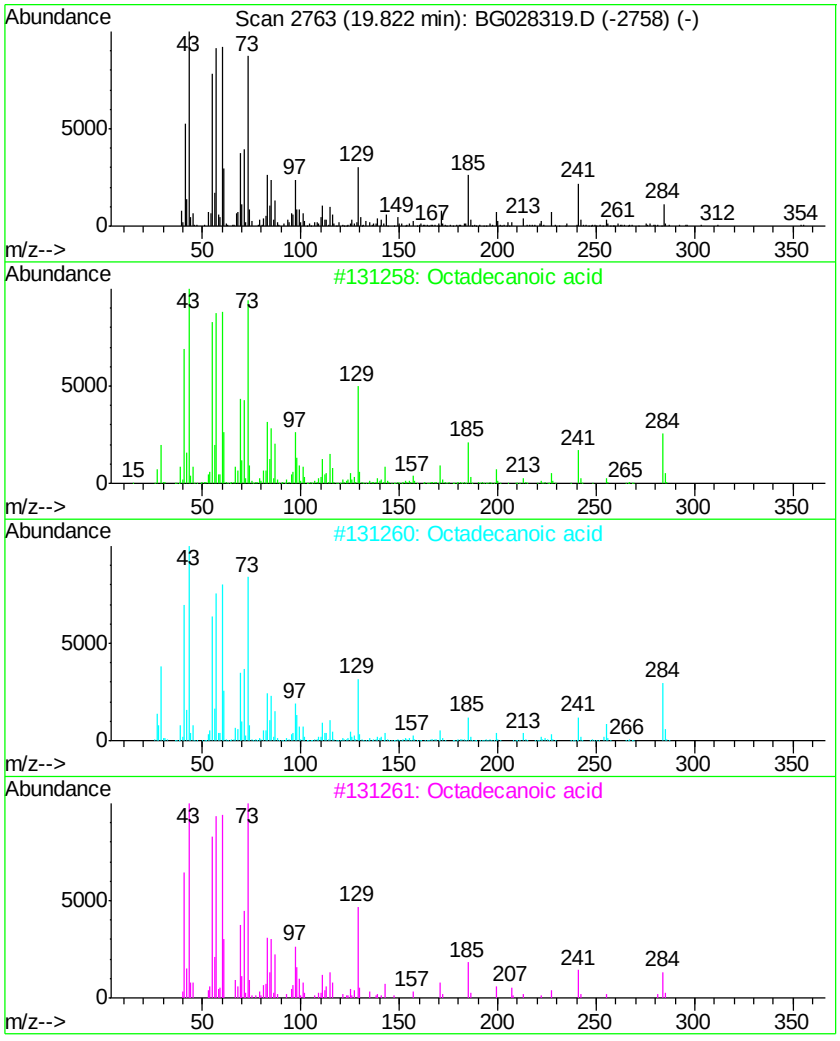
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

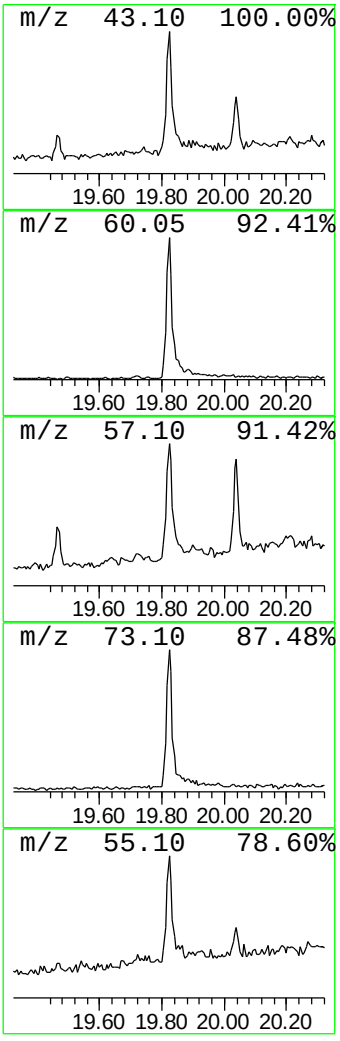
****

Peak Number 5 Octadecanoic acid Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.82	13.44 ng/ul	606104	Phenanthrene-d10	17.71

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octadecanoic acid	284	C18H36O2	000057-11-4	98
2	Octadecanoic acid	284	C18H36O2	000057-11-4	91
3	Octadecanoic acid	284	C18H36O2	000057-11-4	91
4	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	89
5	Octadecanoic acid	284	C18H36O2	000057-11-4	78





Data Path : Z:\HPCHEM1\BNA_G\DATA\BG081417\
Data File : BG028319.D
Acq On : 14 Aug 2017 19:25
Operator : SJ/JU
Sample : I4521-04DL 10X
Misc :
ALS Vial : 6 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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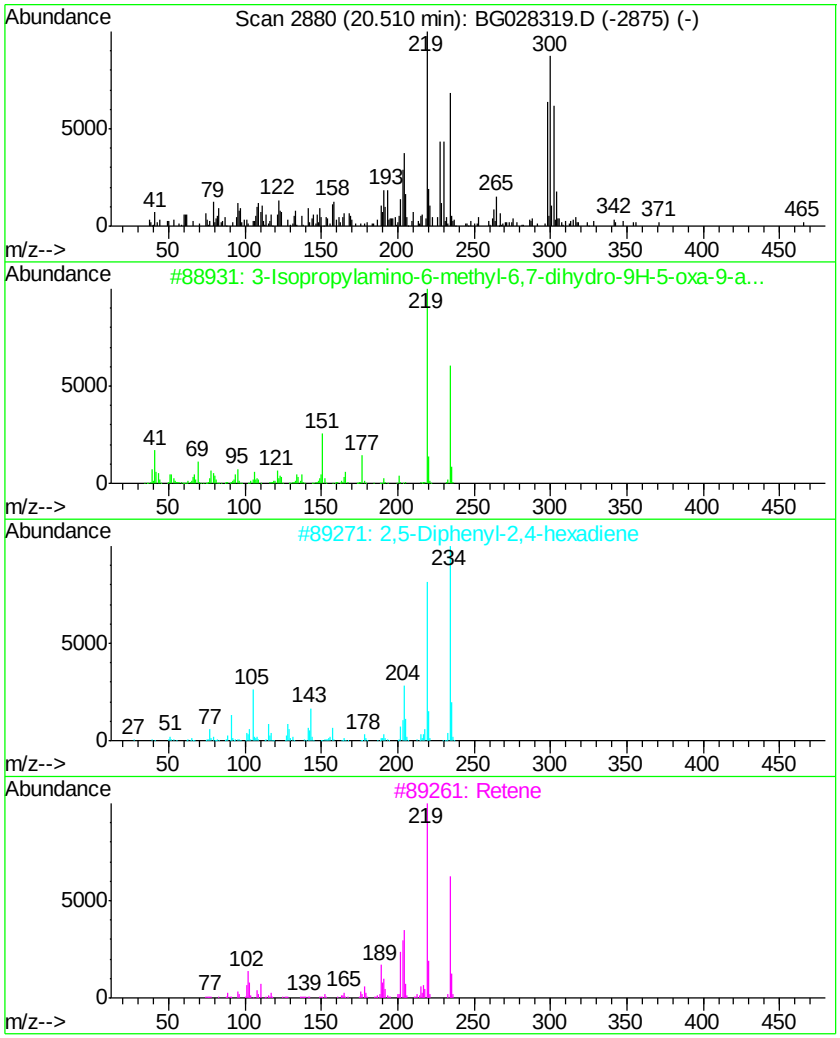
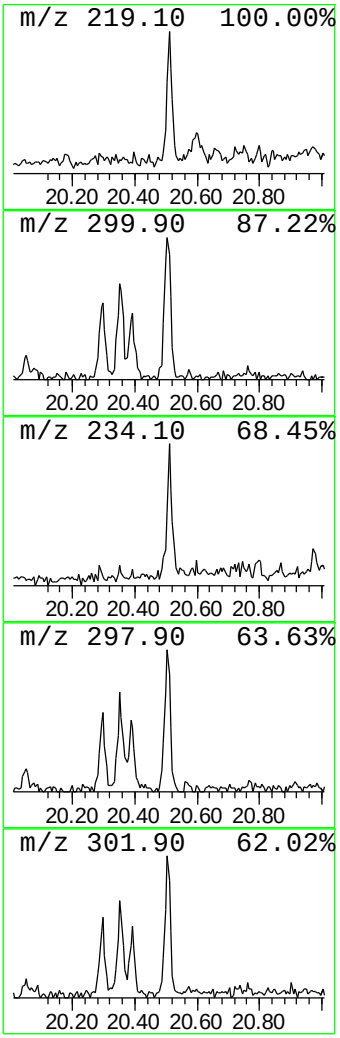
Peak Number 6 unknown-01 Concentration Rank 28

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.51	2.45 ng/ul	130553	Chrysene-d12	22.05

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Isopropylamino-6-methyl-6,7-di...	234	C13H18N2O2	145220-69-5	38
2	2,5-Diphenyl-2,4-hexadiene	234	C18H18	016819-47-9	30
3	Retene	234	C18H18	000483-65-8	30
4	2,4,5-Trifluorobenzyl alcohol, b...	310	C16H17F3OSi	1000376-06-7	25
5	Phenanthrene, 3,4,5,6-tetramethyl-	234	C18H18	007343-06-8	25





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Acq On : 14 Aug 2017 19:25
Operator : SJ/JU
Sample : I4521-04DL 10X
Misc :
ALS Vial : 6 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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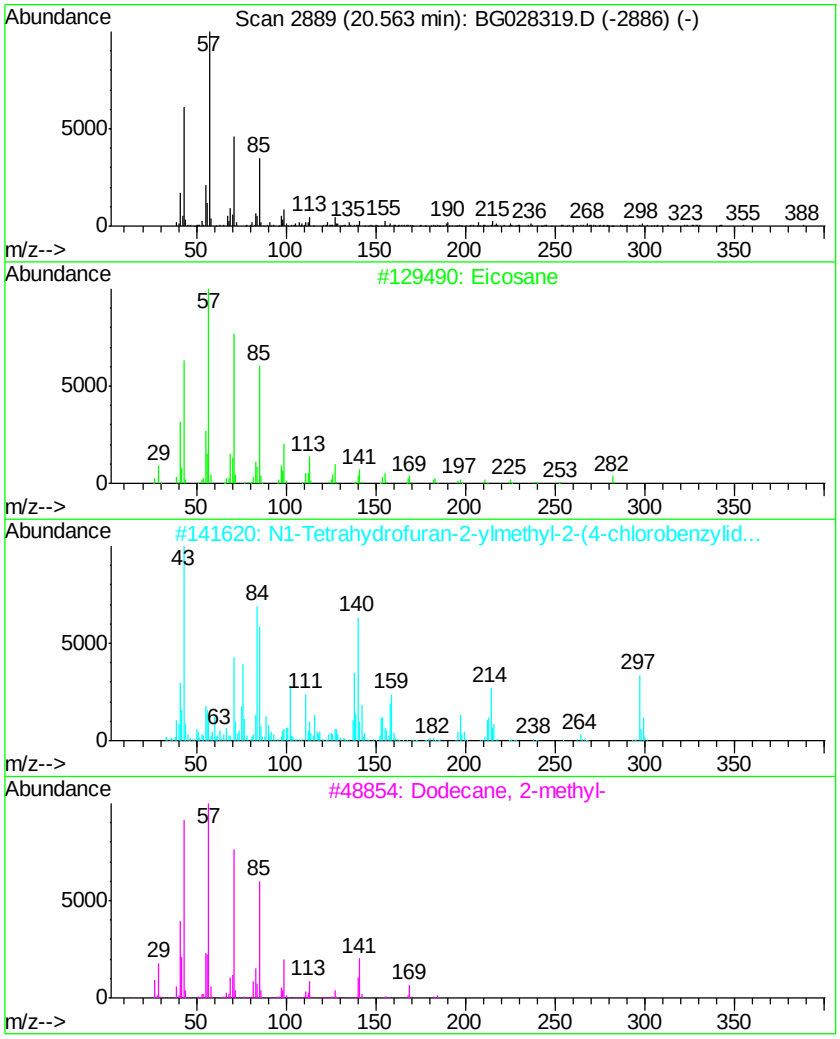
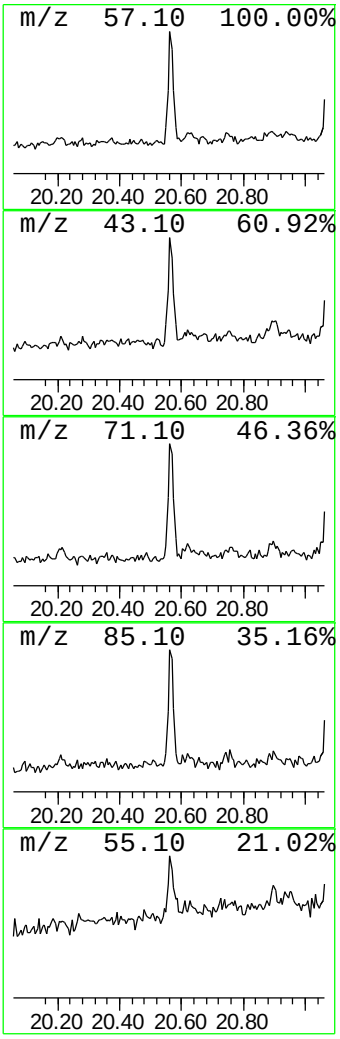
Peak Number 7 (DEL) Alkane: Straight-Chai... Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.56	5.46 ng/ul	291008	Chrysene-d12	22.05

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Eicosane	282	C20H42	000112-95-8	90
2	N1-Tetrahydrofuran-2-ylmethyl-2-...	297	C13H16ClN3OS	283155-62-4	86
3	Dodecane, 2-methyl-	184	C13H28	001560-97-0	74
4	Tetracosane	338	C24H50	000646-31-1	74
5	Octacosane	394	C28H58	000630-02-4	74





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Instrument : BNA_G
ClientSampleId : BC8B9DL

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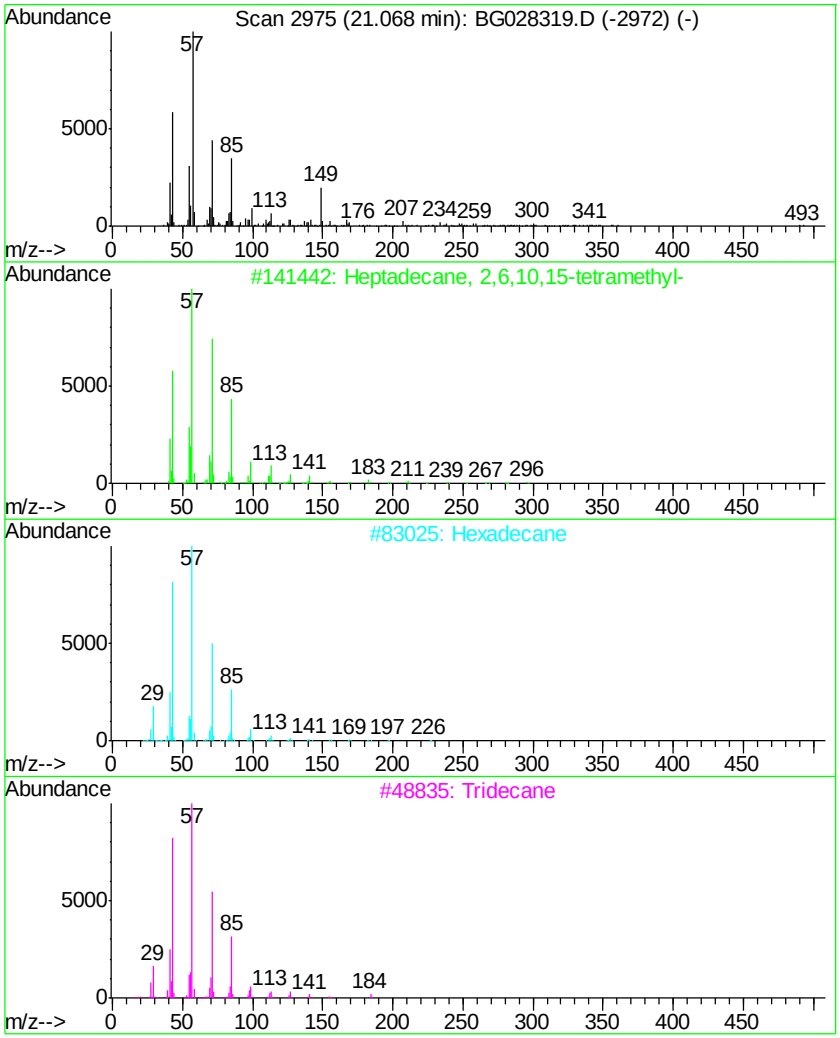
Quant Title : SVOA CALIBRATION

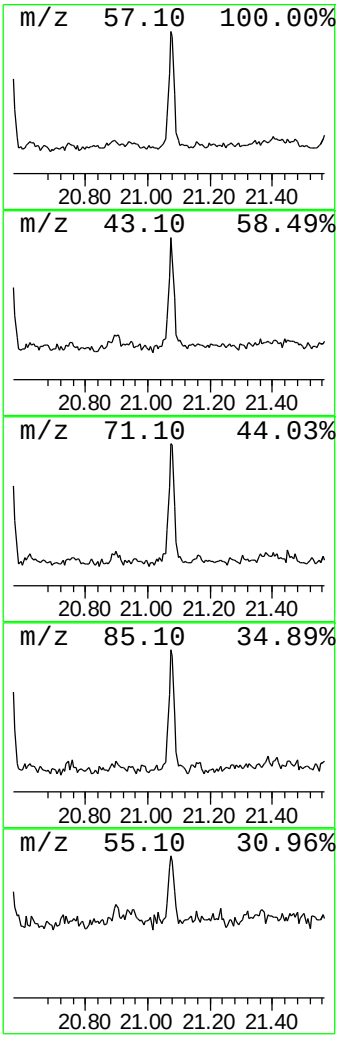
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 8 (DEL) Alkane: Straight-Chai... Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.07	7.53 ng/ul	400966	Chrysene-d12	22.05

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptadecane, 2,6,10,15-tetramethyl-	296	C21H44	054833-48-6	92
2	Hexadecane	226	C16H34	000544-76-3	90
3	Tridecane	184	C13H28	000629-50-5	76
4	Tridecane, 1-iodo-	310	C13H27I	035599-77-0	74
5	Eicosane	282	C20H42	000112-95-8	74





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ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BC8B9DL

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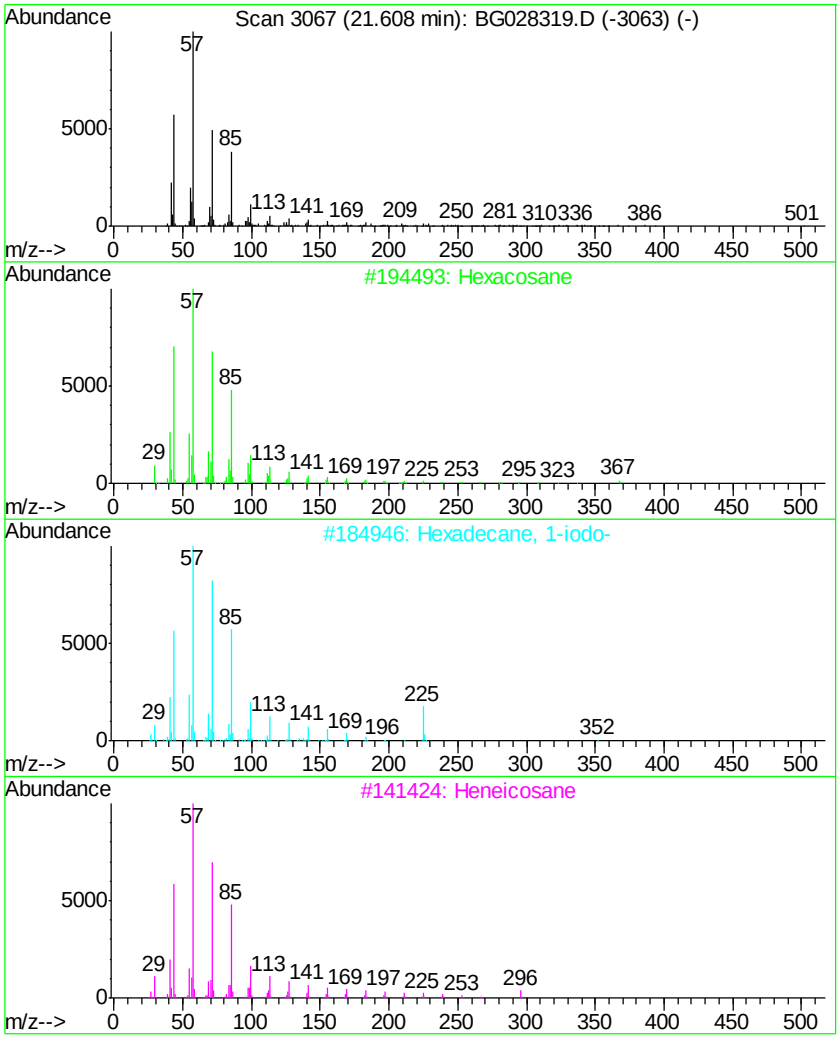
Quant Title : SVOA CALIBRATION

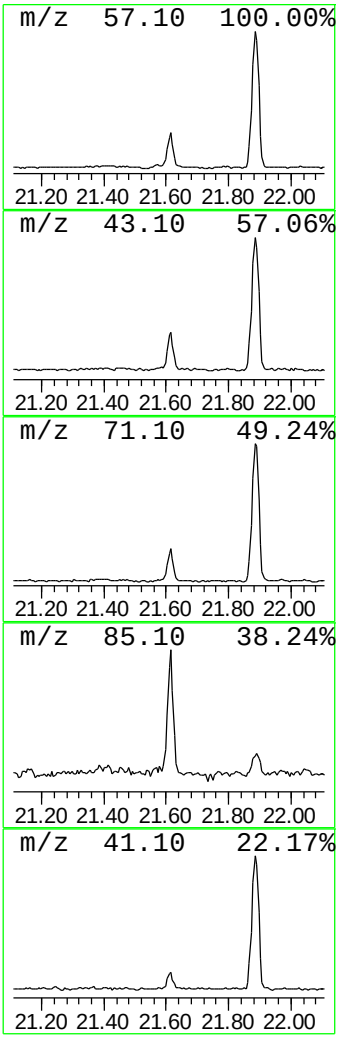
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 9 (DEL) Alkane: Straight-Chai... Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.61	8.32 ng/ul	443054	Chrysene-d12	22.05

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexacosane	366	C26H54	000630-01-3	90
2	Hexadecane, 1-iodo-	352	C16H33I	000544-77-4	87
3	Heneicosane	296	C21H44	000629-94-7	86
4	Heptadecane, 2,6,10,15-tetramethyl-	296	C21H44	054833-48-6	86
5	Tetracosane	338	C24H50	000646-31-1	83





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Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BC8B9DL

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Quant Title : SVOA CALIBRATION

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

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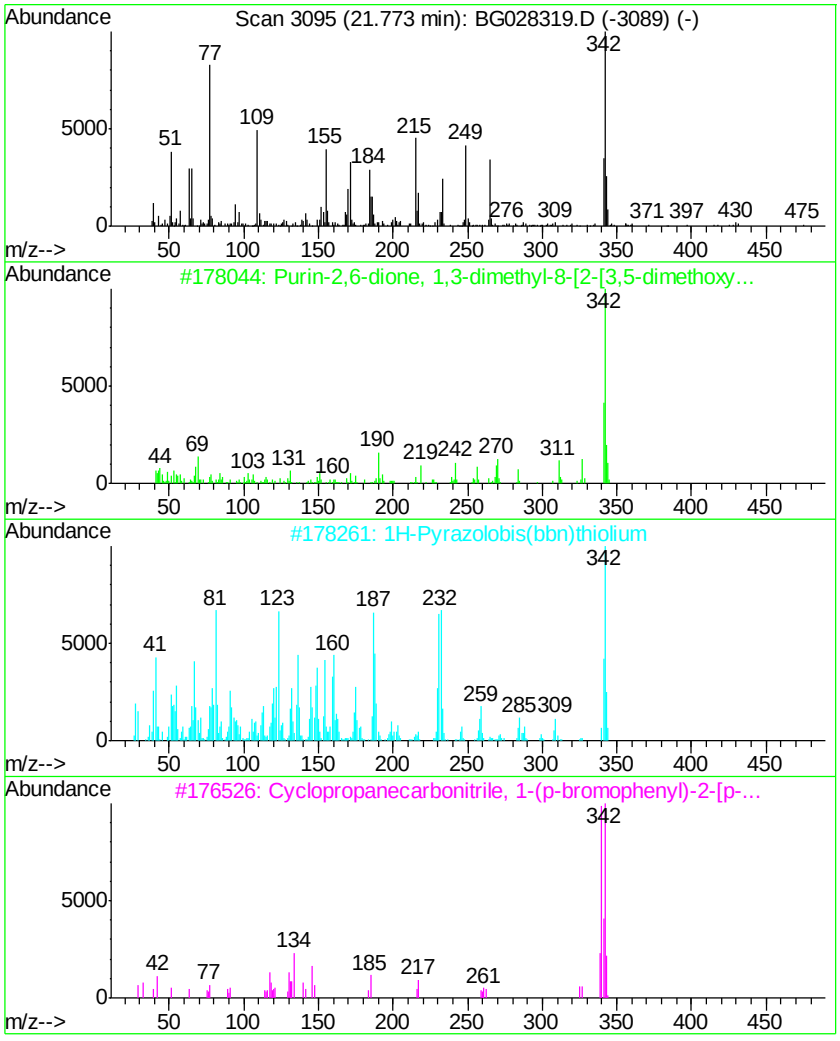
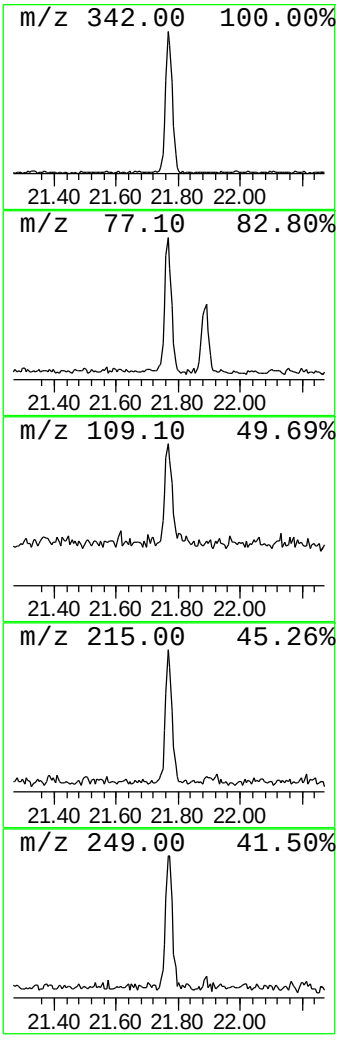
Peak Number 10 unknown-02 Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.77	9.21 ng/ul	490445	Chrysene-d12	22.05

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Purin-2,6-dione, 1,3-dimethyl-8-...	342	C17H18N4O4	1000127-65-8	18
2	1H-Pyrazolobis(bbn)thiolium	342	C19H32B2N2S	1000159-71-4	15
3	Cyclopropanecarbonitrile, 1-(p-b...	340	C18H17BrN2	032589-49-4	14
4	Purin-2,6-dione, 1,3-dimethyl-8-...	342	C17H18N4O4	1000127-57-8	10
5	[4-(4-Hydroxy-phenyl)-piperazin-...	342	C19H22N2O2S	1000300-13-6	10





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Instrument : BNA_G
ClientSampleId : BC8B9DL

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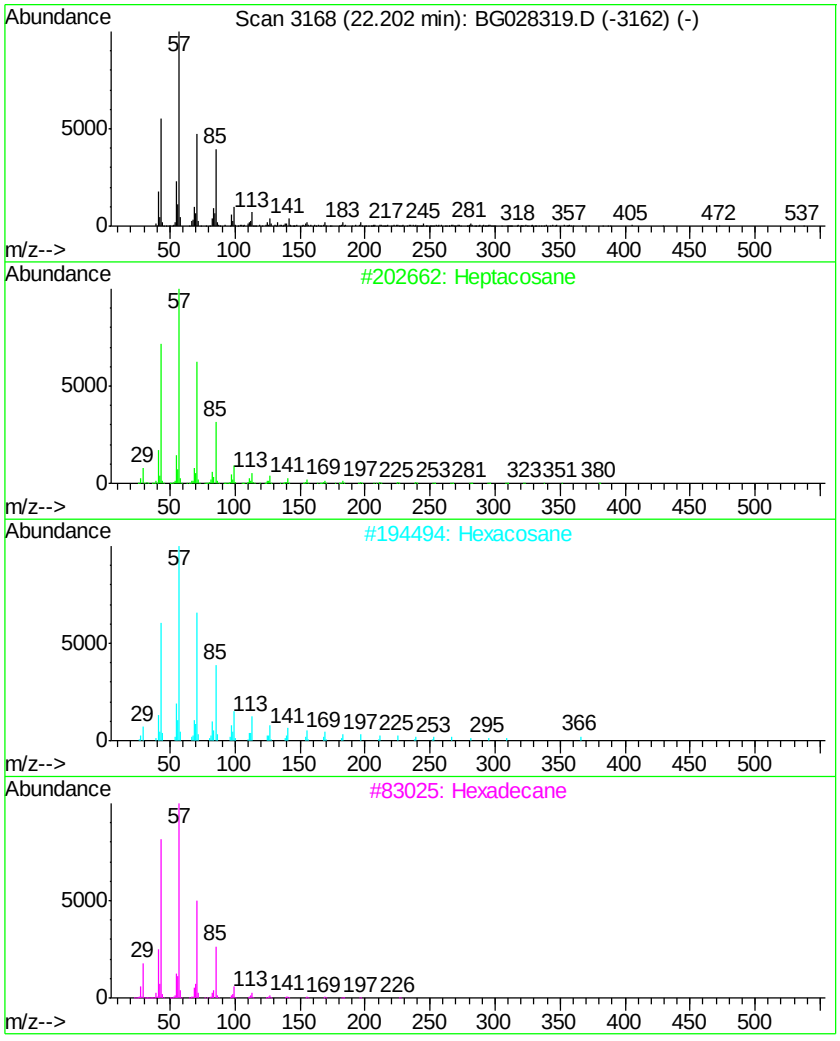
Quant Title : SVOA CALIBRATION

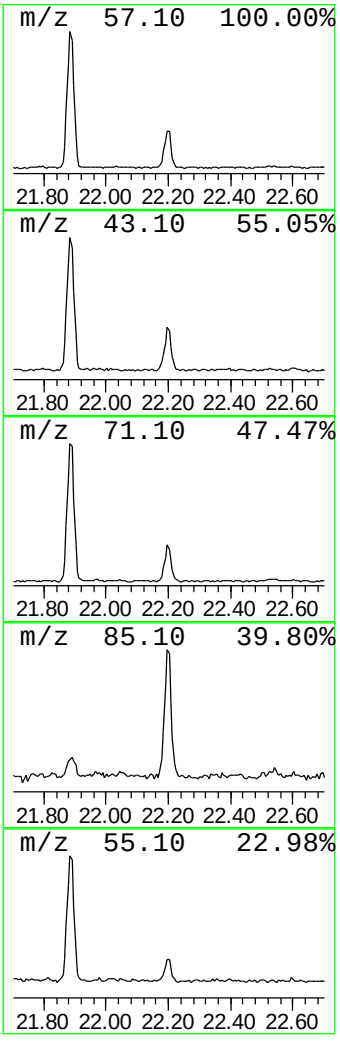
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.20	12.65 ng/ul	674053	Chrysene-d12	22.05

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptacosane	380	C27H56	000593-49-7	99
2	Hexacosane	366	C26H54	000630-01-3	93
3	Hexadecane	226	C16H34	000544-76-3	93
4	Octacosane	394	C28H58	000630-02-4	91
5	Tridecane, 1-iodo-	310	C13H27I	035599-77-0	91





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Sample : I4521-04DL 10X
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BC8B9DL

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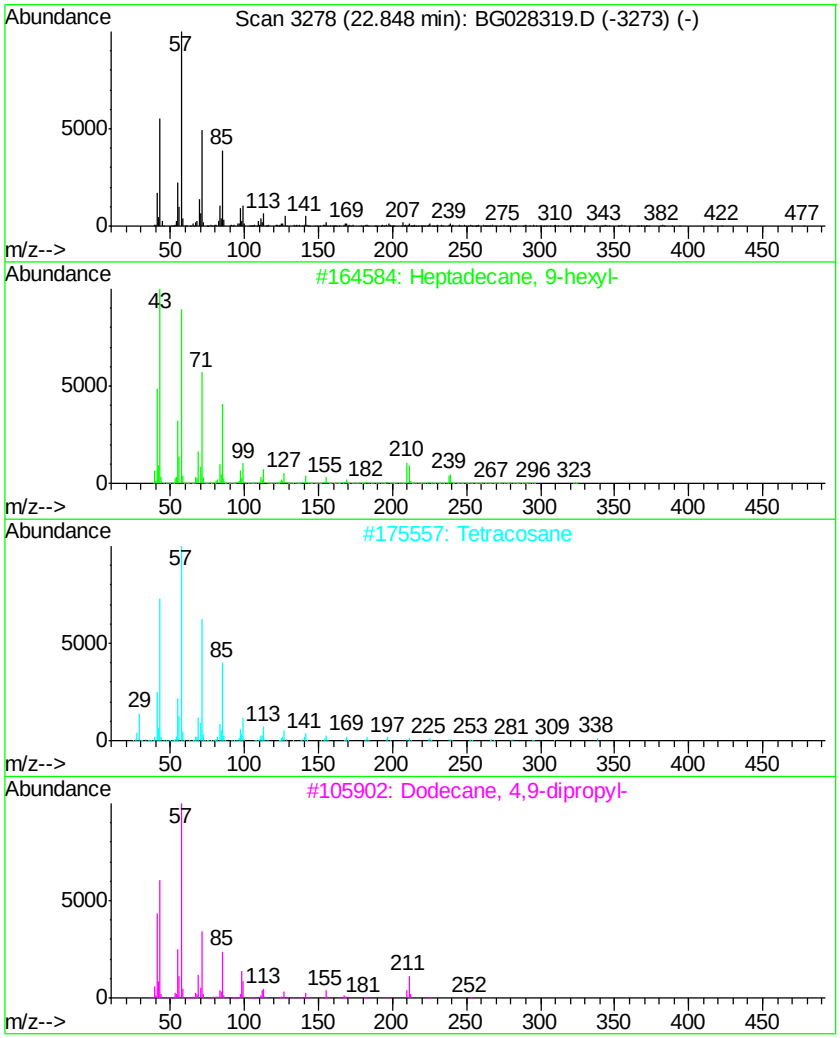
Quant Title : SVOA CALIBRATION

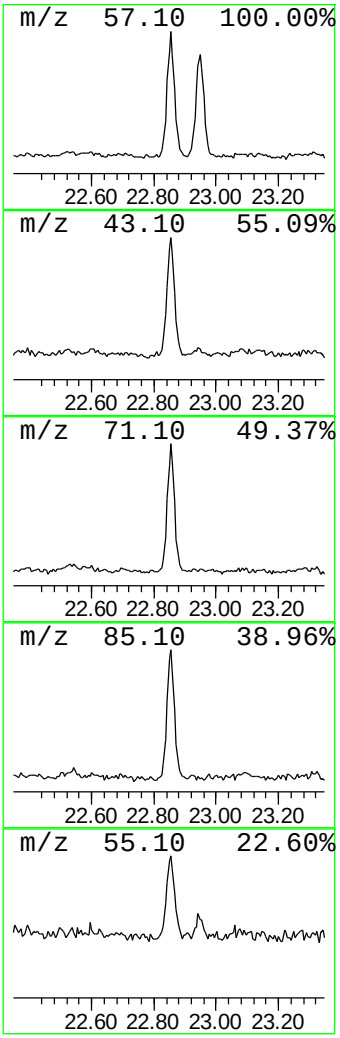
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 13 (DEL) Alkane: Straight-Chai... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.85	14.81 ng/ul	789254	Chrysene-d12	22.05

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptadecane, 9-hexyl-	324	C23H48	055124-79-3	94
2	Tetracosane	338	C24H50	000646-31-1	90
3	Dodecane, 4,9-dipropyl-	254	C18H38	003054-63-5	90
4	Octacosane	394	C28H58	000630-02-4	90
5	Tridecane, 1-iodo-	310	C13H27I	035599-77-0	90





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Sample : I4521-04DL 10X
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BC8B9DL

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Quant Title : SVOA CALIBRATION

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

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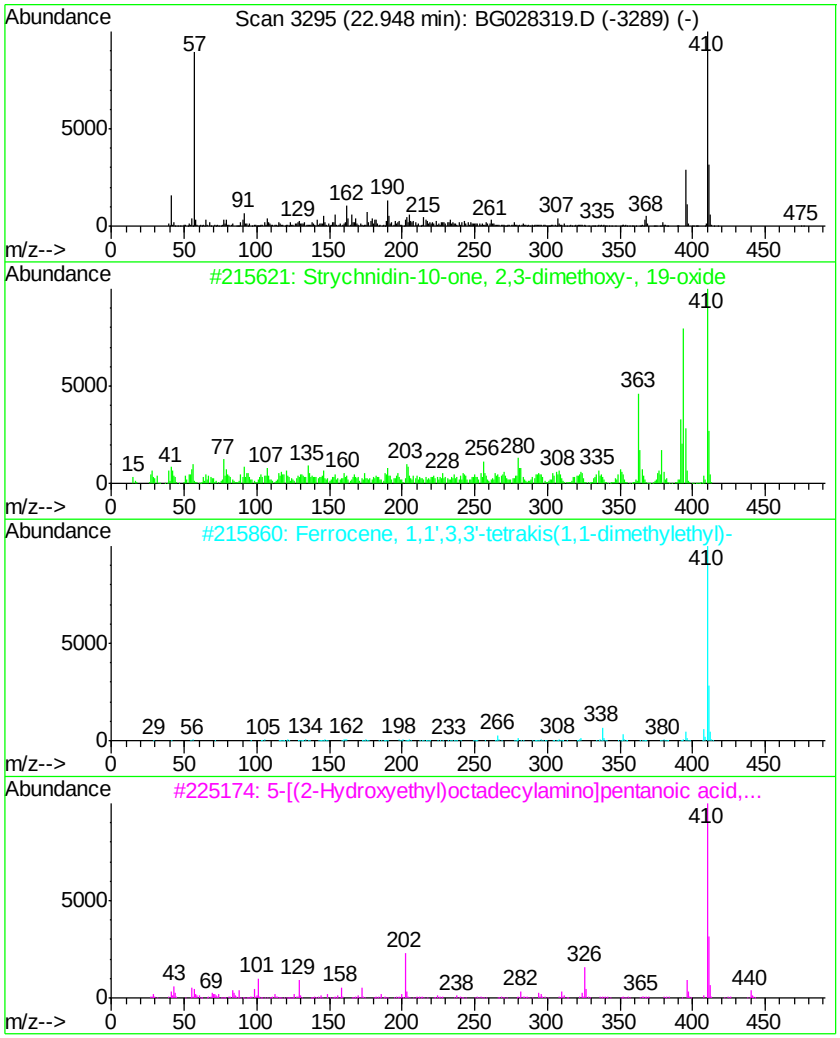
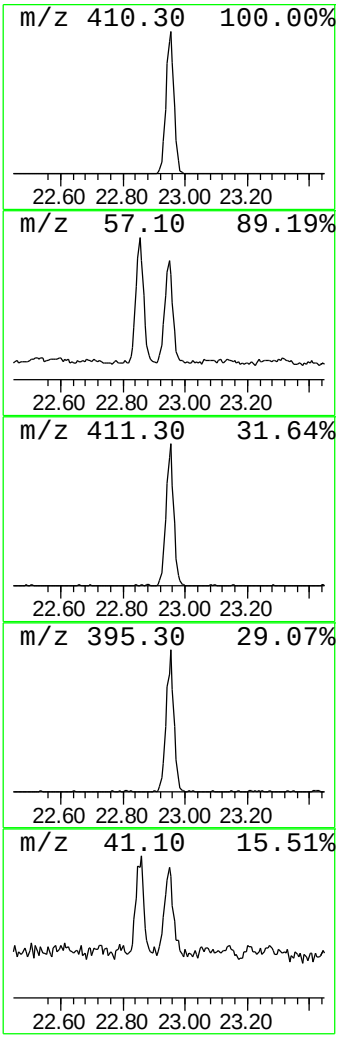
Peak Number 14 Strychnidin-10-one, 2,3-dim... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.95	34.18 ng/ul	1820810	Chrysene-d12	22.05

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Strychnidin-10-one, 2,3-dimethox...	410	C23H26N2O5	017301-81-4	72
2	Ferrocene, 1,1',3,3'-tetrakis(1,...	410	C26H42Fe	001317-17-5	62
3	5-[(2-Hydroxyethyl)octadecylamin...	441	C27H55NO3	1000185-08-9	53
4	9-Chloro-4,5-dihydro-4-[3,4,5-tr...	410	C22H19ClN2O4	1000212-48-1	38
5	Silane, diphenyl(4-biphenyloxy)p...	410	C27H26O2Si	1000367-49-5	38





Library Search Compound Report

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ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BC8B9DL

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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 Phosphoric acid, tris(3-met... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
23.21	13.55 ng/ul	721726	Chrysene-d12	22.05

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phosphoric acid, tris(3-methylph...	368	C21H21O4P	000563-04-2	98
2	Phosphoric acid, tris(2-methylph...	368	C21H21O4P	000078-30-8	91
3	Phosphoric acid, tris(4-methylph...	368	C21H21O4P	000078-32-0	90
4	Phosphoric acid, tris(4-methylph...	368	C21H21O4P	000078-32-0	81
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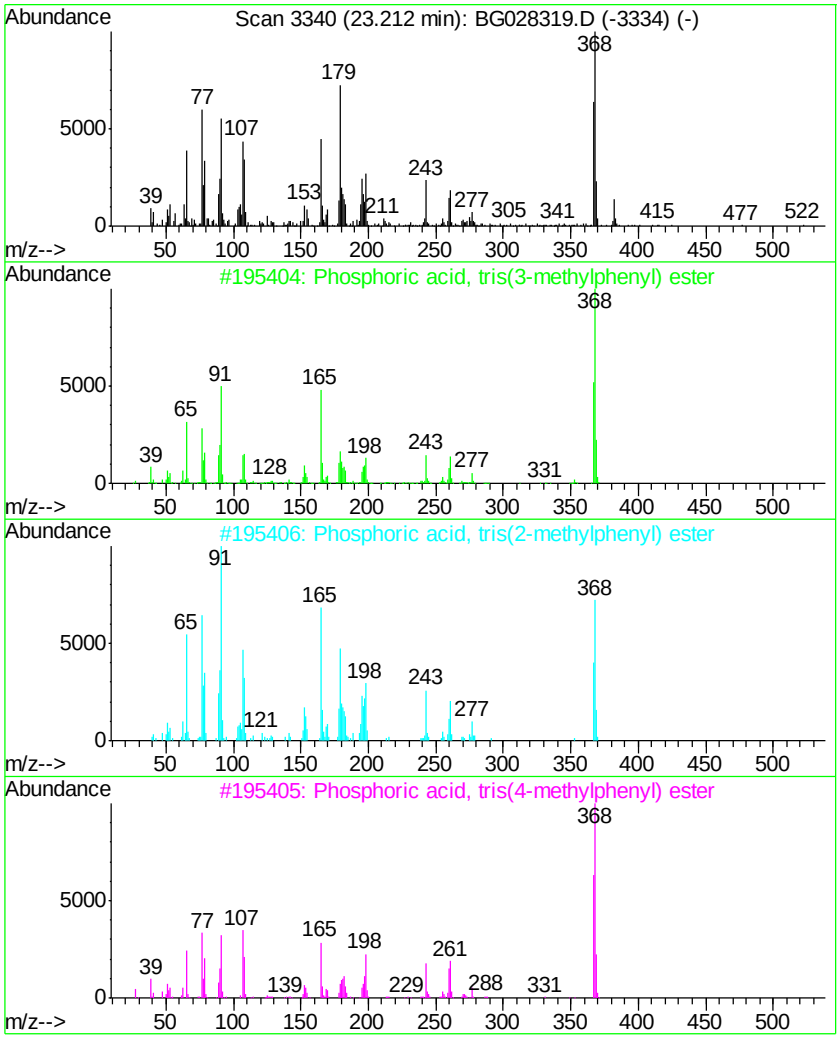

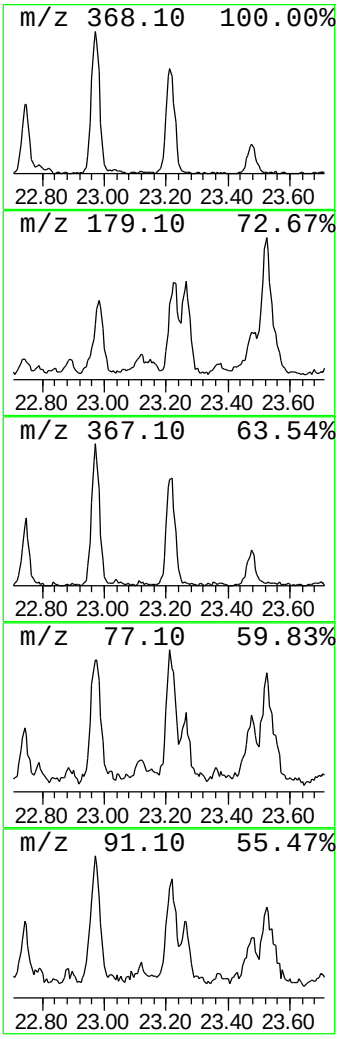

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Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BC8B9DL

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Quant Title : SVOA CALIBRATION

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

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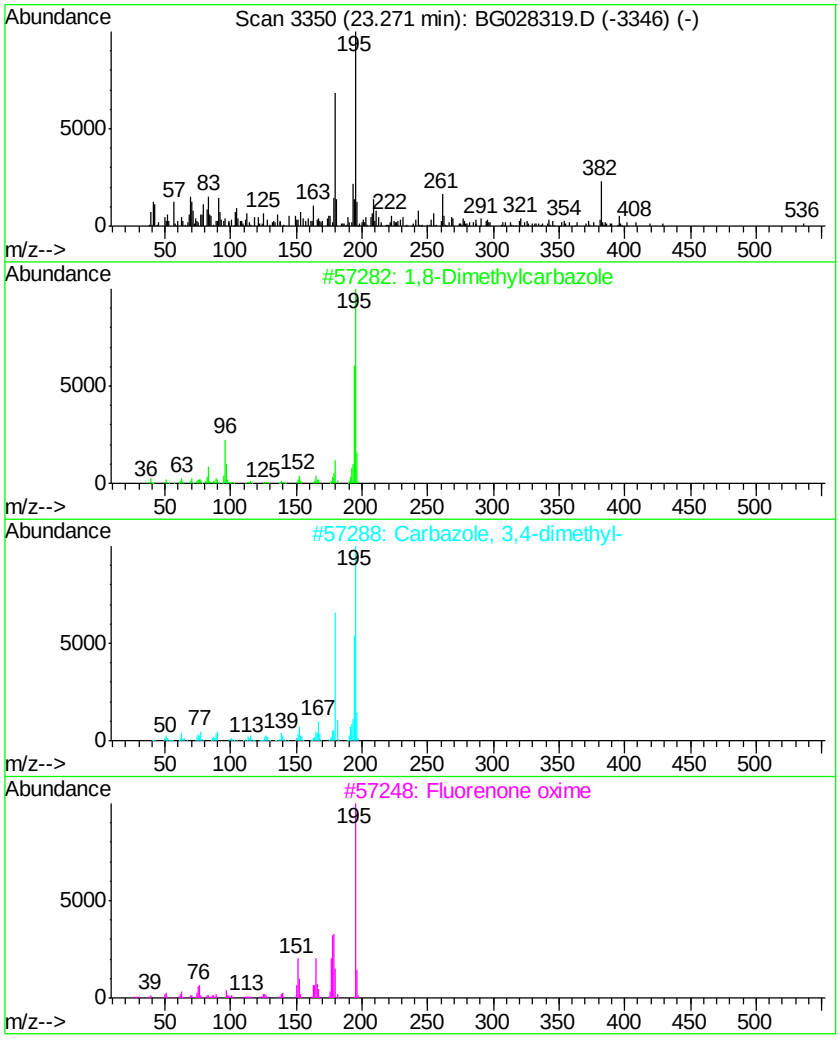
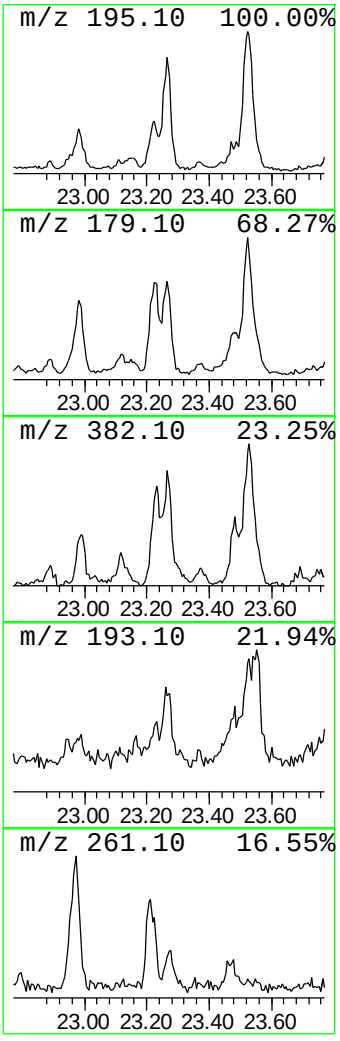
Peak Number 16 unknown-03 Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
23.27	8.37 ng/ul	446160	Chrysene-d12	22.05

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,8-Dimethylcarbazole	195	C14H13N	1000328-39-0	38
2	Carbazole, 3,4-dimethyl-	195	C14H13N	018992-72-8	38
3	Fluorenone oxime	195	C13H9NO	002157-52-0	38
4	Carbazole, 2,7-dimethyl-	195	C14H13N	018992-65-9	35
5	Carbazole, 1,6-dimethyl-	195	C14H13N	078787-77-6	35





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ALS Vial : 6 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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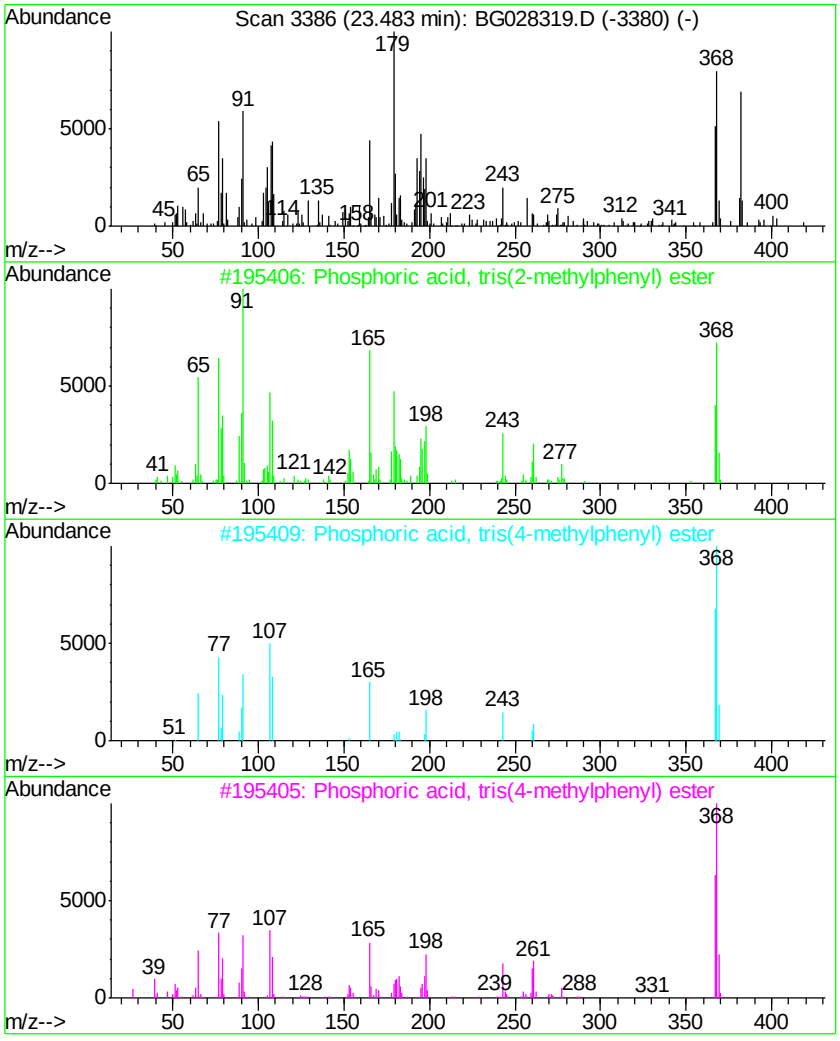
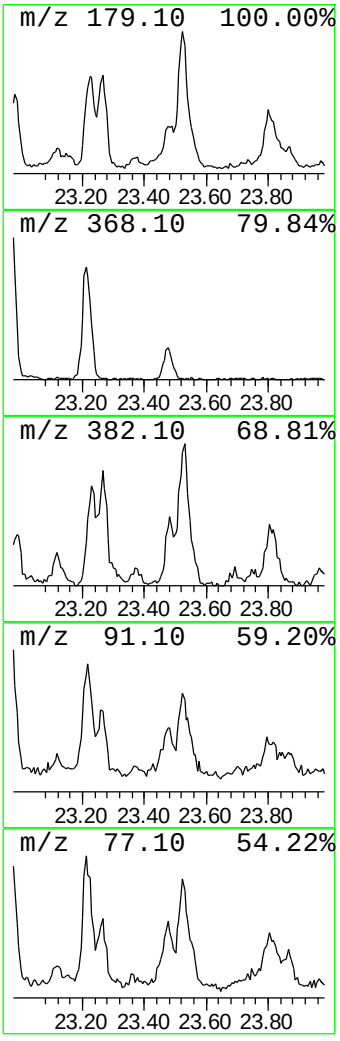
Peak Number 17 Phosphoric acid, tris(2-met... Concentration Rank 25

R.T.	EstConc	Area	Relative to ISTD	R.T.
23.48	4.01 ng/ul	213487	Chrysene-d12	22.05

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phosphoric acid, tris(2-methylph...	368	C21H21O4P	000078-30-8	58
2	Phosphoric acid, tris(4-methylph...	368	C21H21O4P	000078-32-0	42
3	Phosphoric acid, tris(4-methylph...	368	C21H21O4P	000078-32-0	38
4	Phosphoric acid, tris(3-methylph...	368	C21H21O4P	000563-04-2	38
5	Phosphoric acid, tris(3-methylph...	368	C21H21O4P	000563-04-2	35





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Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BC8B9DL

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Quant Title : SVOA CALIBRATION

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

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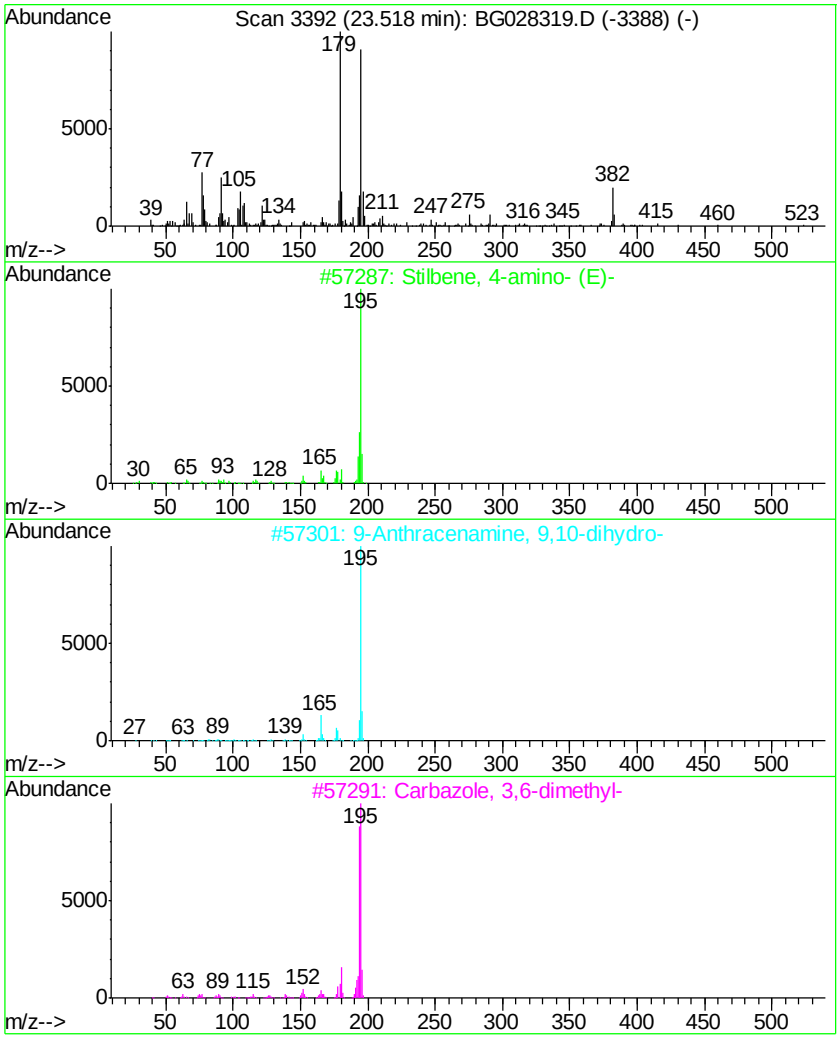
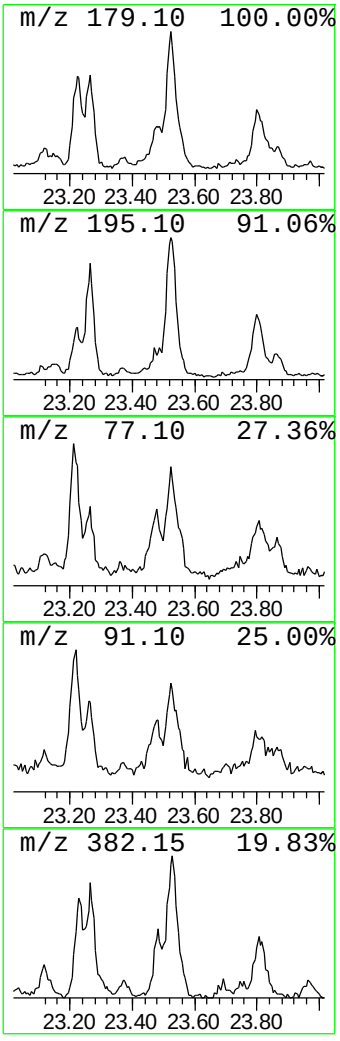
Peak Number 18 unknown-04 Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
23.52	12.62 ng/ul	672231	Chrysene-d12	22.05

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Stilbene, 4-amino- (E)-	195	C14H13N	004309-66-4	38
2	9-Anthracenamine, 9,10-dihydro-	195	C14H13N	097825-91-7	38
3	Carbazole, 3,6-dimethyl-	195	C14H13N	005599-50-8	38
4	Carbazole, 2,5-dimethyl-	195	C14H13N	078787-79-8	38
5	2(2-Pyridyl)benzimidazole	195	C12H9N3	001137-68-4	38





Data Path : Z:\HPCHEM1\BNA_G\DATA\BG081417\
Data File : BG028319.D
Acq On : 14 Aug 2017 19:25
Operator : SJ/JU
Sample : I4521-04DL 10X
Misc :
ALS Vial : 6 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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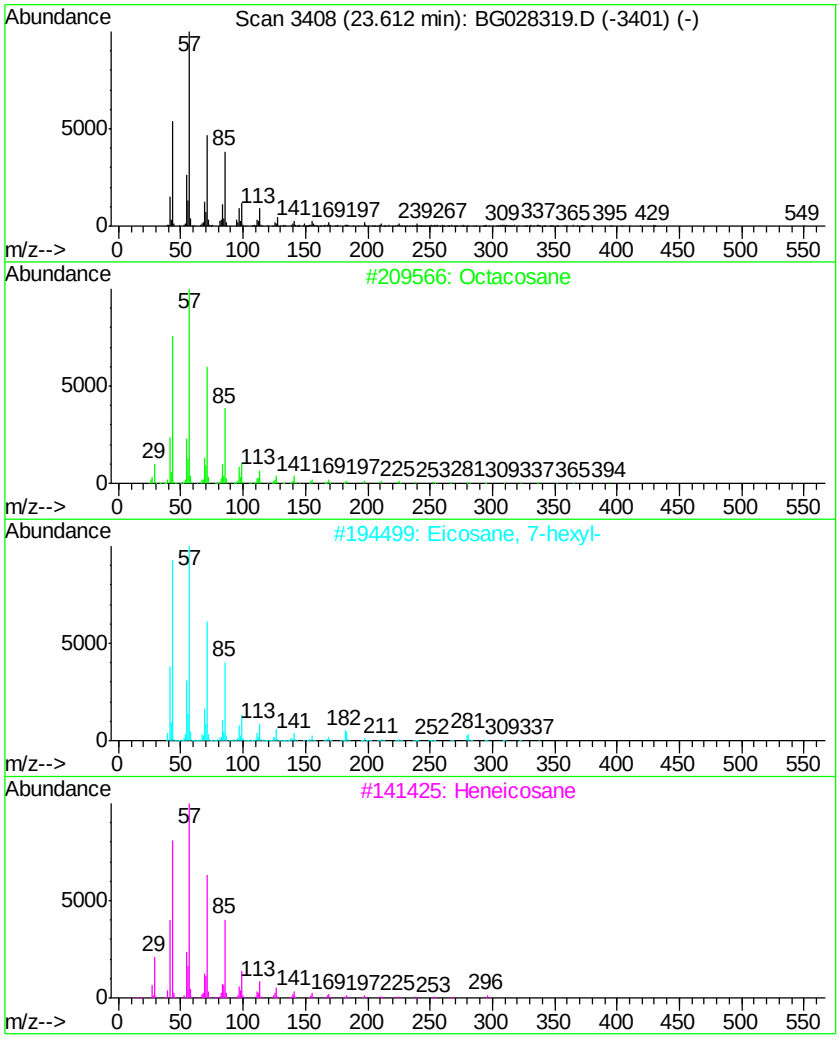
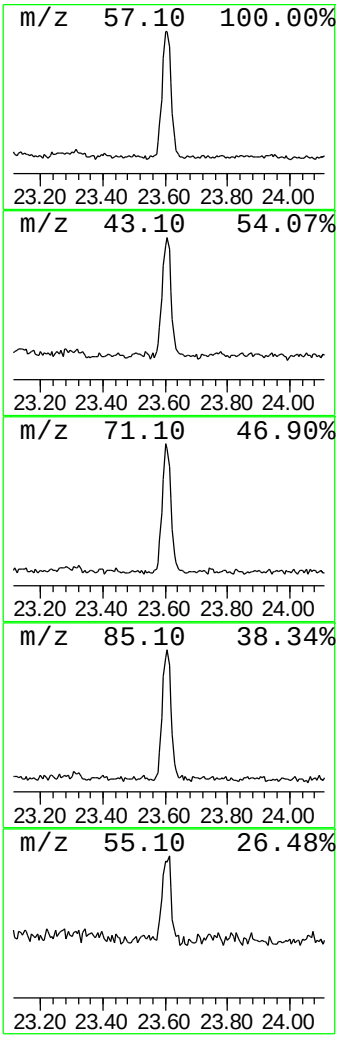
Peak Number 19 (DEL) Alkane: Straight-Chai... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
23.61	16.06 ng/ul	855363	Chrysene-d12	22.05

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octacosane	394	C28H58	000630-02-4	91
2	Eicosane, 7-hexyl-	366	C26H54	055333-99-8	91
3	Heneicosane	296	C21H44	000629-94-7	91
4	Tridecane, 2-methyl-	198	C14H30	001560-96-9	91
5	Octadecane	254	C18H38	000593-45-3	91





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Data File : BG028319.D
Acq On : 14 Aug 2017 19:25
Operator : SJ/JU
Sample : I4521-04DL 10X
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BC8B9DL

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

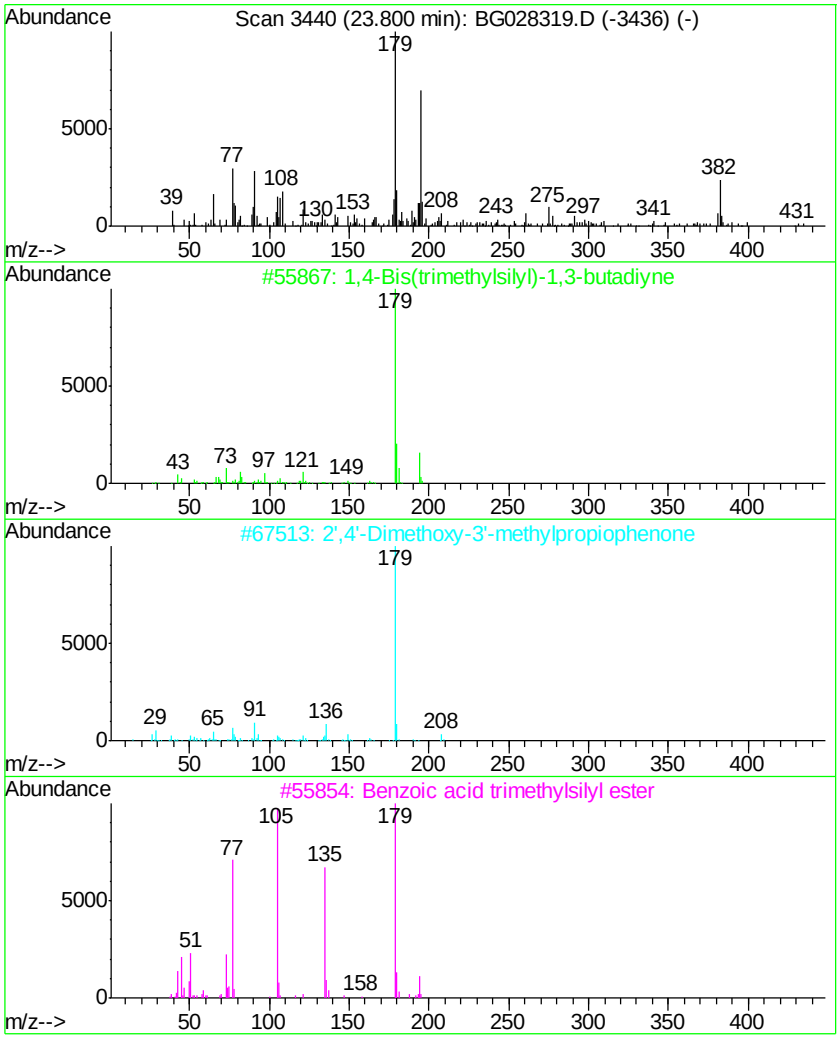
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

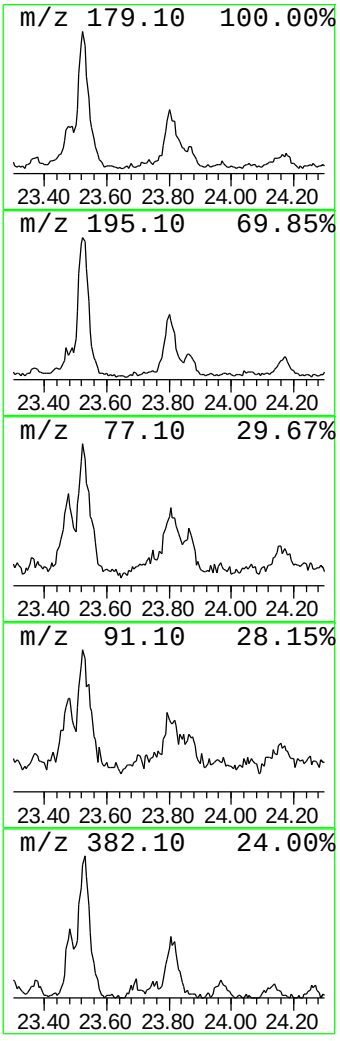
****

Peak Number 20 unknown-05 Concentration Rank 24

R.T.	EstConc	Area	Relative to ISTD	R.T.
23.80	4.19 ng/ul	223197	Chrysene-d12	22.05

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,4-Bis(trimethylsilyl)-1,3-buta...	194	C10H18Si2	004526-07-2	38
2	2',4'-Dimethoxy-3'-methylpropiop...	208	C12H16O3	077942-13-3	38
3	Benzoic acid trimethylsilyl ester	194	C10H14O2Si	002078-12-8	35
4	Silane, trimethyl(1-phenylethoxy)-	194	C11H18OSi	014856-75-8	35
5	Benzo[f]quinoline	179	C13H9N	000085-02-9	30





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Data File : BG028319.D
Acq On : 14 Aug 2017 19:25
Operator : SJ/JU
Sample : I4521-04DL 10X
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BC8B9DL

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

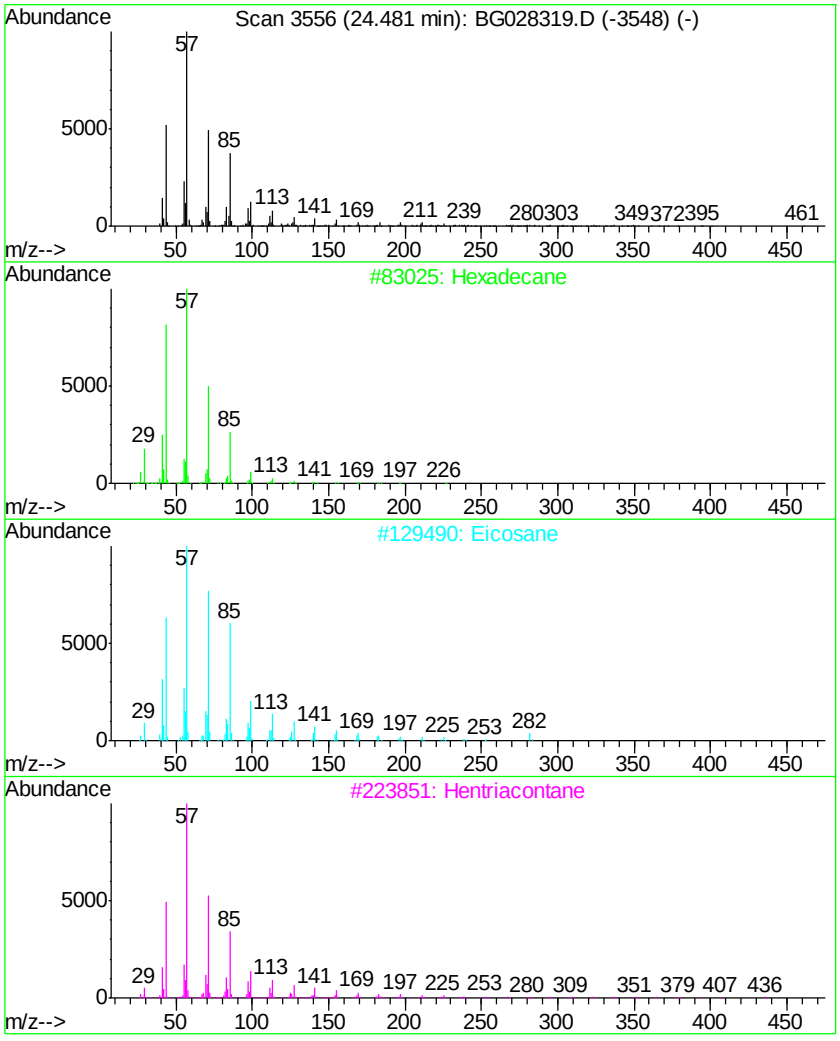
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

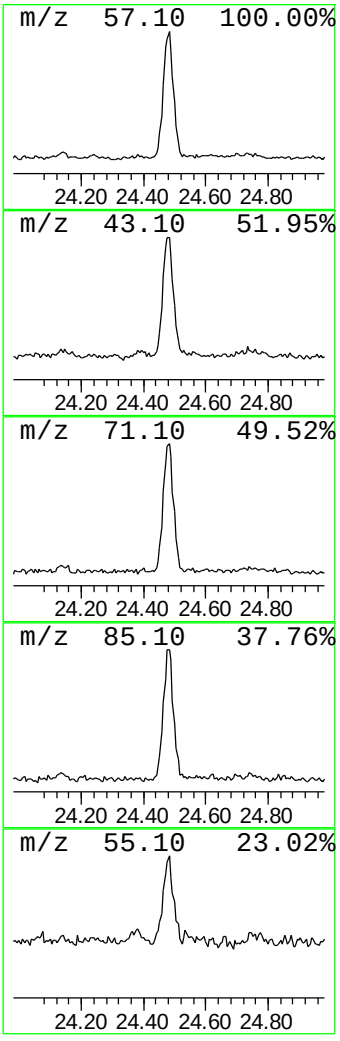
****

Peak Number 21 (DEL) Alkane: Straight-Chai... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
24.48	23.48 ng/ul	1046790	Perylene-d12	25.57

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexadecane	226	C16H34	000544-76-3	93
2	Eicosane	282	C20H42	000112-95-8	93
3	Hentriacontane	437	C31H64	000630-04-6	91
4	Tetracosane	338	C24H50	000646-31-1	91
5	Pentacosane	352	C25H52	000629-99-2	91





Data Path : Z:\HPCHEM1\BNA_G\DATA\BG081417\
Data File : BG028319.D
Acq On : 14 Aug 2017 19:25
Operator : SJ/JU
Sample : I4521-04DL 10X
Misc :
ALS Vial : 6 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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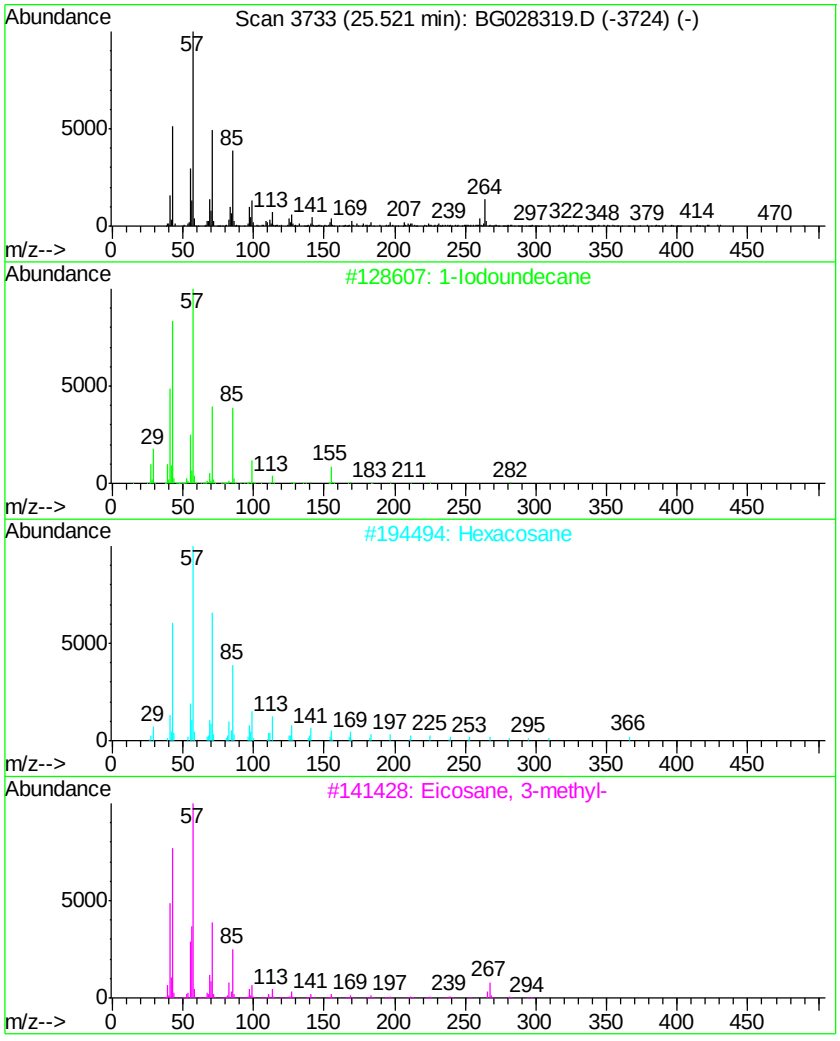
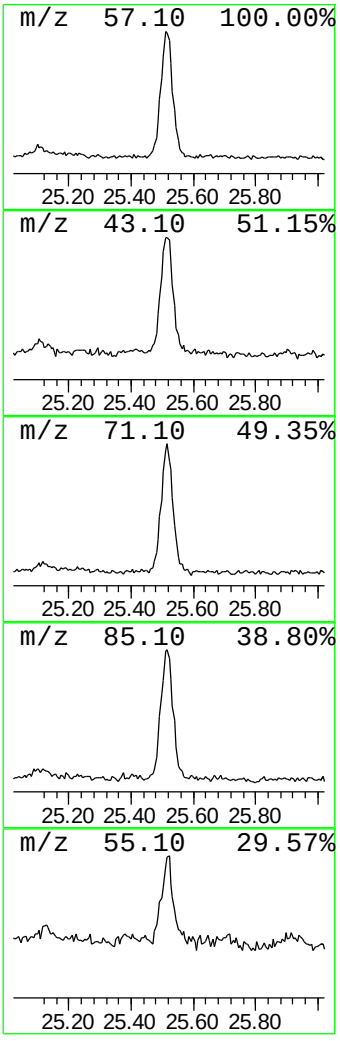
Peak Number 22 1-Iodoundecane Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
25.52	20.00 ng/ul	891567	Perylene-d12	25.57

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Iodoundecane	282	C11H23I	004282-44-4	90
2	Hexacosane	366	C26H54	000630-01-3	89
3	Eicosane, 3-methyl-	296	C21H44	006418-46-8	89
4	Hentriacontane	437	C31H64	000630-04-6	87
5	Tridecane, 7-hexyl-	268	C19H40	007225-66-3	87





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG081417\
Data File : BG028319.D
Acq On : 14 Aug 2017 19:25
Operator : SJ/JU
Sample : I4521-04DL 10X
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BC8B9DL

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

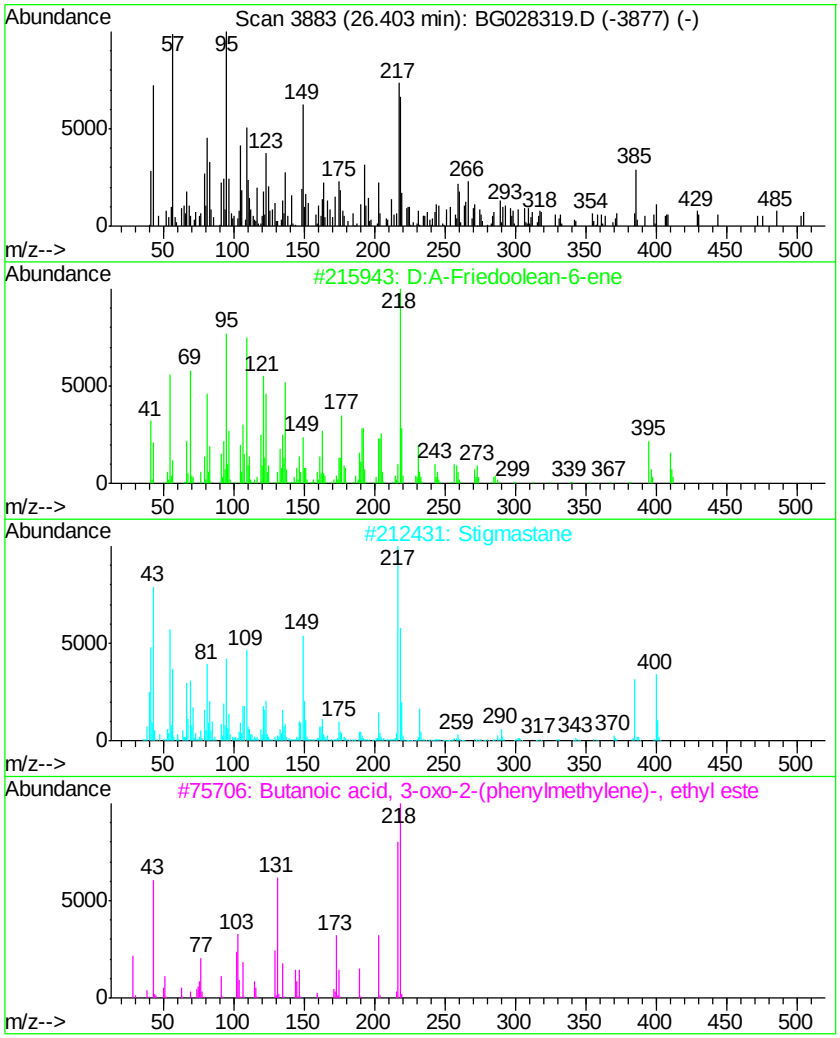
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

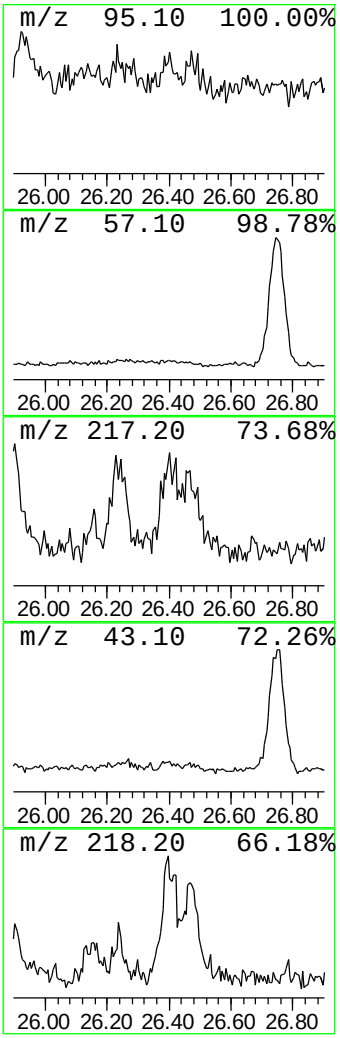
****

Peak Number 23 unknown-06 Concentration Rank 26

R.T.	EstConc	Area	Relative to ISTD	R.T.
26.40	2.81 ng/ul	125293	Perylene-d12	25.57

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	D:A-Friedoolean-6-ene	410	C30H50	056588-25-1	38
2	Stigmastane	400	C29H52	000601-58-1	38
3	Butanoic acid, 3-oxo-2-(phenylme...	218	C13H14O3	000620-80-4	35
4	Ethanone, 1-(1-ethyl-1H-pyrazol-...	138	C7H10N2O	1000316-95-0	30
5	Olean-12-ene	410	C30H50	000471-68-1	25





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG081417\
Data File : BG028319.D
Acq On : 14 Aug 2017 19:25
Operator : SJ/JU
Sample : I4521-04DL 10X
Misc :
ALS Vial : 6 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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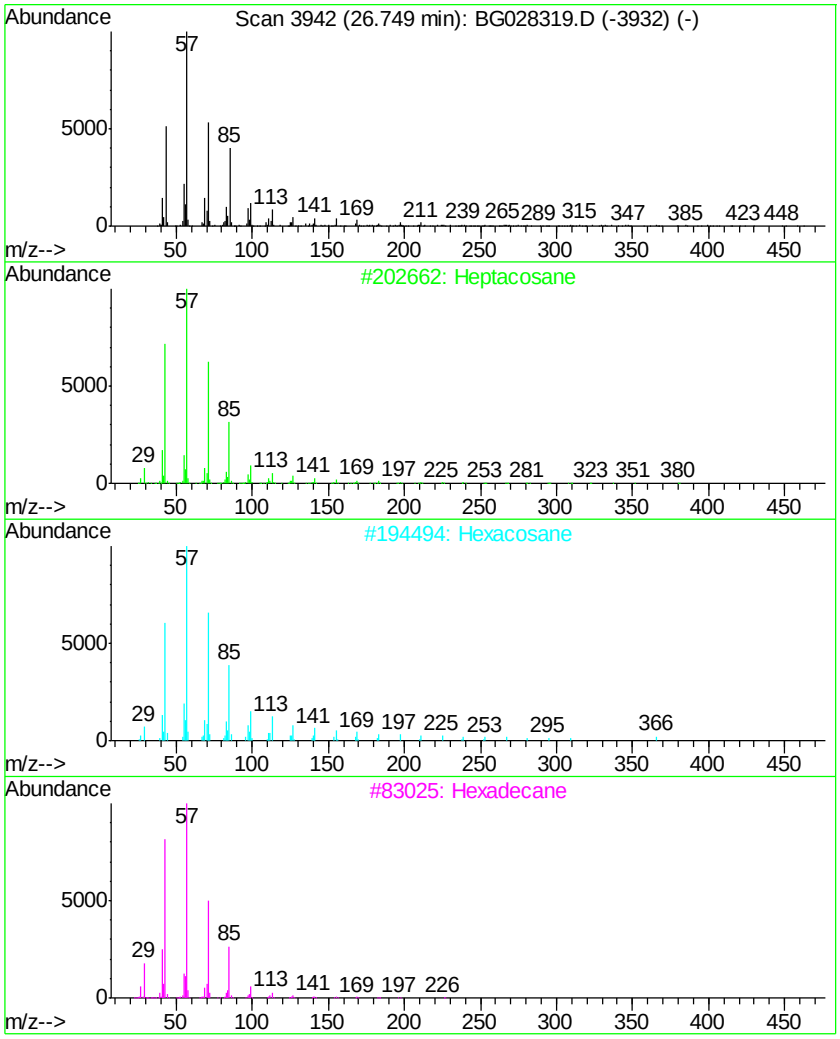
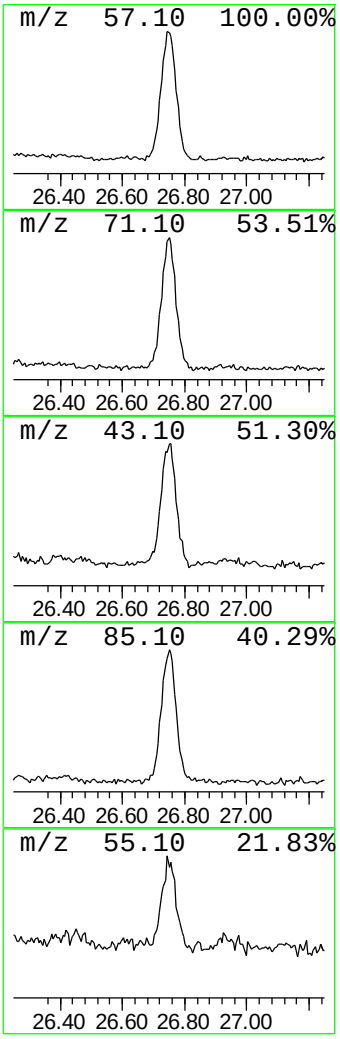
Peak Number 24 (DEL) Alkane: Straight-Chai... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
26.75	26.75 ng/ul	1192490	Perylene-d12	25.57

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptacosane	380	C27H56	000593-49-7	97
2	Hexacosane	366	C26H54	000630-01-3	93
3	Hexadecane	226	C16H34	000544-76-3	93
4	Octadecane, 2-methyl-	268	C19H40	001560-88-9	93
5	Pentadecane, 8-heptyl-	310	C22H46	071005-15-7	93





Data Path : Z:\HPCHEM1\BNA_G\DATA\BG081417\
Data File : BG028319.D
Acq On : 14 Aug 2017 19:25
Operator : SJ/JU
Sample : I4521-04DL 10X
Misc :
ALS Vial : 6 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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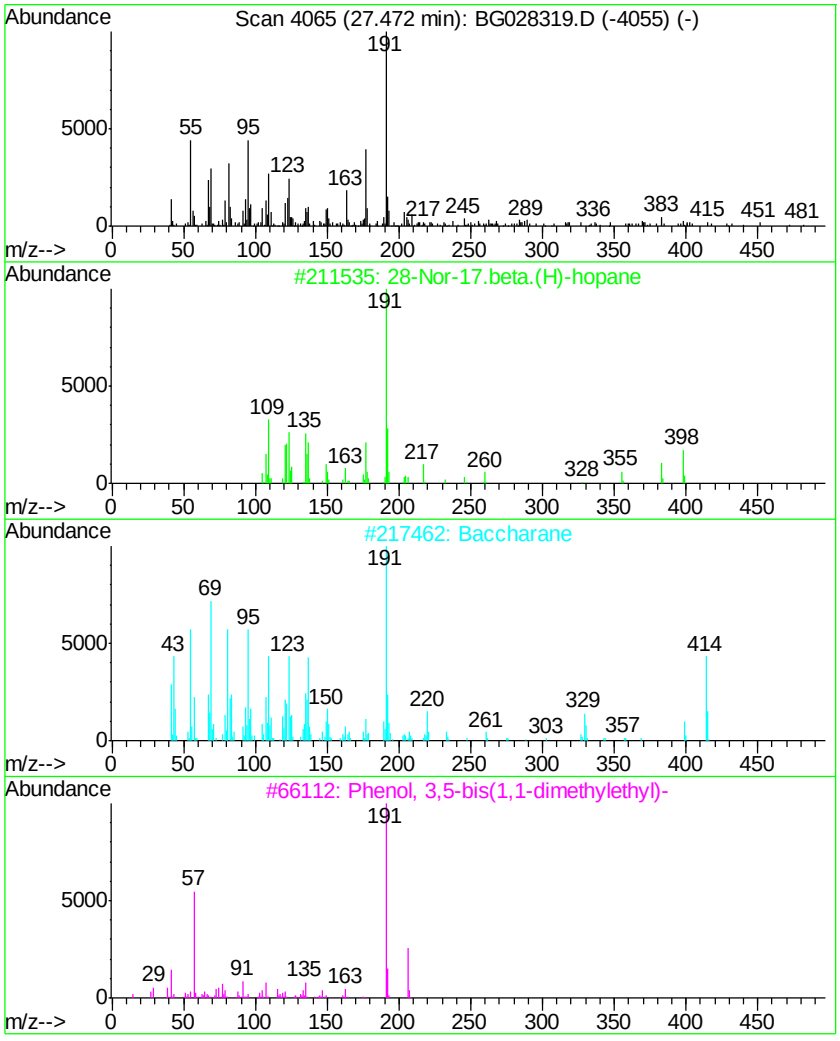
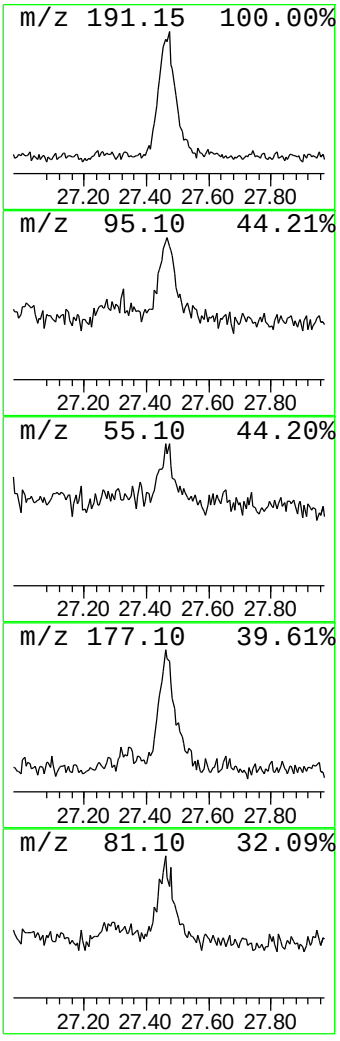
Peak Number 25 28-Nor-17.beta.(H)-hopane Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
27.47	15.67 ng/ul	698679	Perylene-d12	25.57

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	28-Nor-17.beta.(H)-hopane	398	C29H50	036728-72-0	62
2	Baccharane	414	C30H54	036441-74-4	42
3	Phenol, 3,5-bis(1,1-dimethylethyl)-	206	C14H22O	001138-52-9	41
4	28-Nor-17.alpha.(H)-hopane	398	C29H50	053584-60-4	38
5	1-Penten-3-one, 1-(2,6,6-trimeth...	206	C14H22O	000127-43-5	38





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Acq On : 14 Aug 2017 19:25
Operator : SJ/JU
Sample : I4521-04DL 10X
Misc :
ALS Vial : 6 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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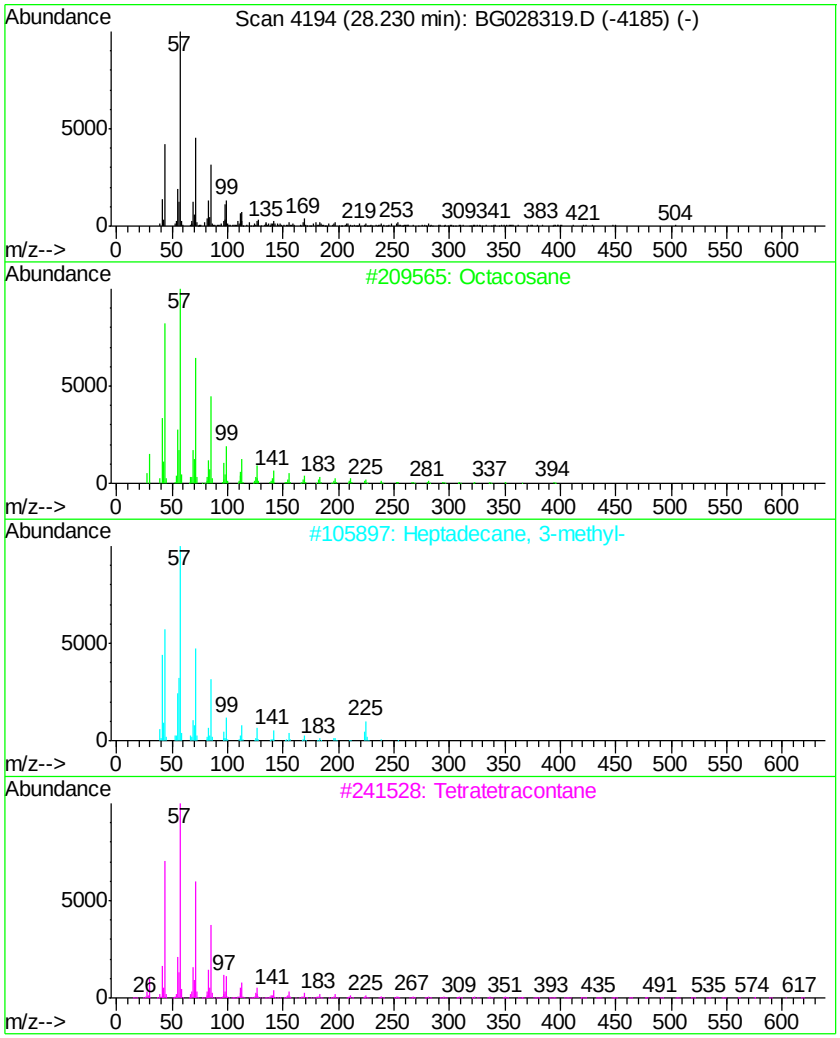
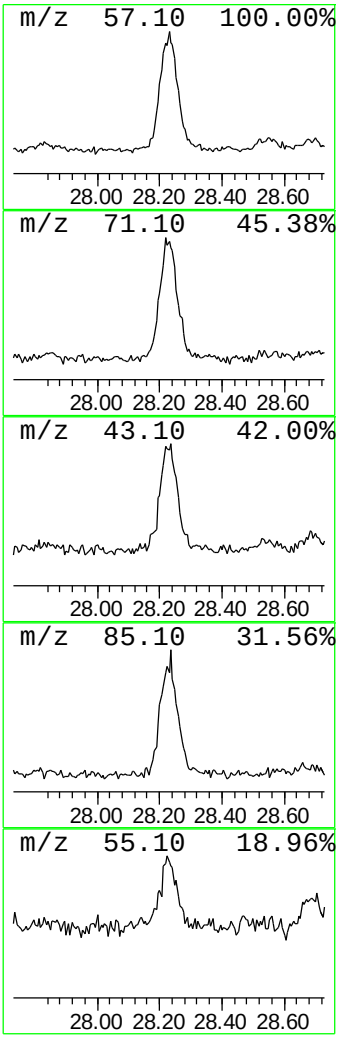
Peak Number 26 (DEL) Alkane: Straight-Chai... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
28.23	15.95 ng/ul	710932	Perylene-d12	25.57

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octacosane	394	C28H58	000630-02-4	90
2	Heptadecane, 3-methyl-	254	C18H38	006418-44-6	83
3	Tetratetracontane	619	C44H90	007098-22-8	81
4	Sulfurous acid, butyl tetradecyl...	334	C18H38O3S	1000309-18-1	80
5	Heptacosane, 1-chloro-	414	C27H55Cl	062016-79-9	80





Data Path : Z:\HPCHEM1\BNA_G\DATA\BG081417\
Data File : BG028319.D
Acq On : 14 Aug 2017 19:25
Operator : SJ/JU
Sample : I4521-04DL 10X
Misc :
ALS Vial : 6 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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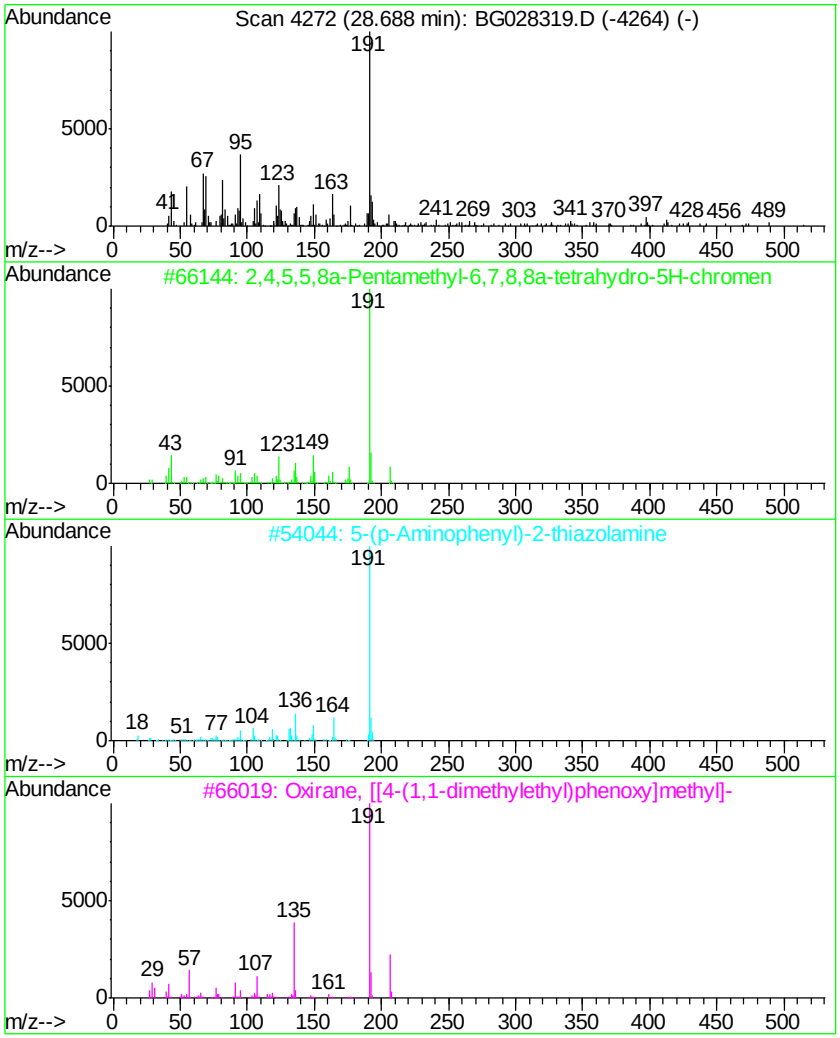
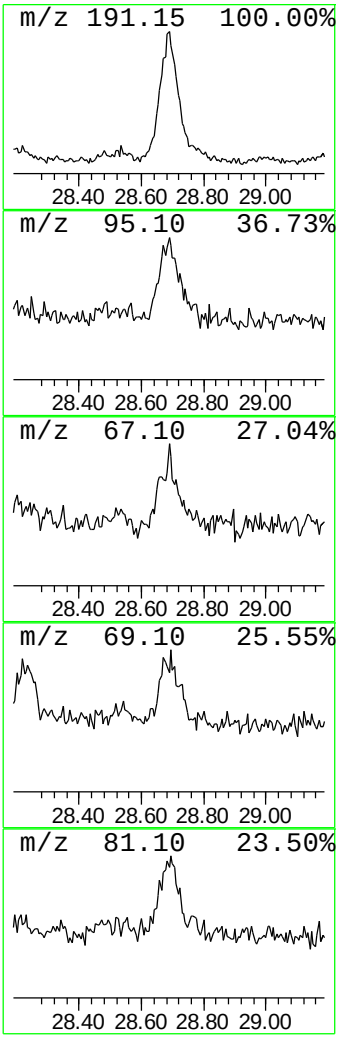
Peak Number 27 2,4,5,5,8a-Pentamethyl-6,7,... Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
28.69	11.12 ng/ul	495747	Perylene-d12	25.57

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2,4,5,5,8a-Pentamethyl-6,7,8,8a-...	206	C14H22O	1000195-40-9	64
2	5-(p-Aminophenyl)-2-thiazolamine	191	C9H9N3S	090349-87-4	52
3	Oxirane, [[4-(1,1-dimethylethyl)...	206	C13H18O2	003101-60-8	50
4	1-Penten-3-one, 1-(2,6,6-trimeth...	206	C14H22O	000127-43-5	50
5	6-Fluoro-2-trifluoromethylbenzoi...	360	C20H12F4O2	1000343-74-5	47





Data Path : Z:\HPCHEM1\BNA_G\DATA\BG081417\
Data File : BG028319.D
Acq On : 14 Aug 2017 19:25
Operator : SJ/JU
Sample : I4521-04DL 10X
Misc :
ALS Vial : 6 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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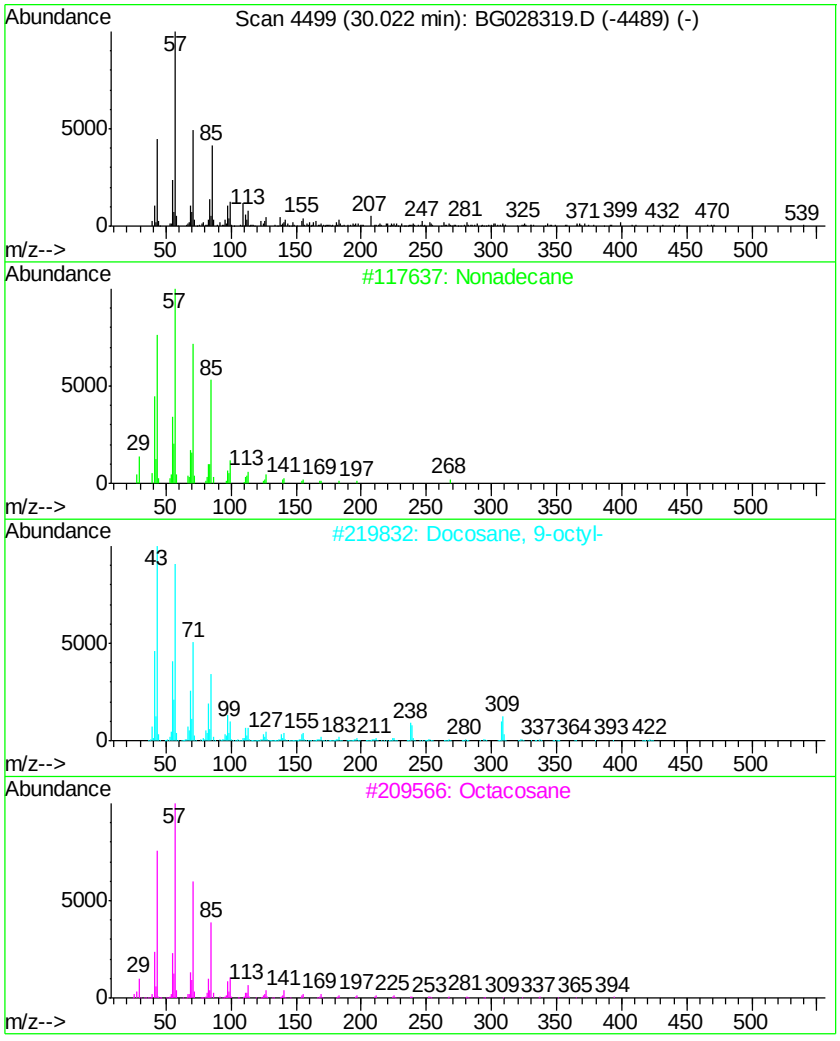
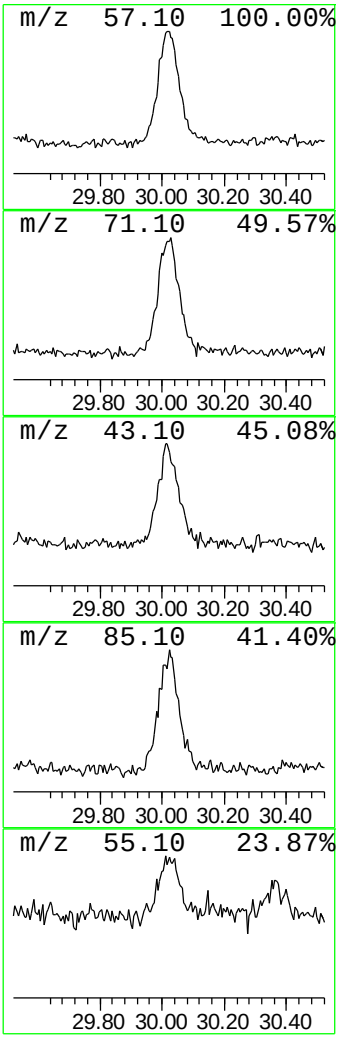
Peak Number 28 (DEL) Alkane: Straight-Chai... Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
30.02	11.40 ng/ul	508002	Perylene-d12	25.57

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Nonadecane	268	C19H40	000629-92-5	89
2	Docosane, 9-octyl-	422	C30H62	055319-83-0	87
3	Octacosane	394	C28H58	000630-02-4	83
4	Hexadecane, 2-methyl-	240	C17H36	001560-92-5	81
5	Sulfurous acid, butyl tridecyl e...	320	C17H36O3S	1000309-18-0	80





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG081417\
Data File : BG028319.D
Acq On : 14 Aug 2017 19:25
Operator : SJ/JU
Sample : I4521-04DL 10X
Misc :
ALS Vial : 6 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	4.5	ng/ul	176369	3	14.96	788766	20.0
n-Hexadecanoic acid	18.56	17.2	ng/ul	774942	4	17.71	901882	20.0
Dibutyl phthalate	18.64	7.3	ng/ul	330521	4	17.71	901882	20.0
6-(Methylamino)ph...	19.46	2.5	ng/ul	113522	4	17.71	901882	20.0
Octadecanoic acid	19.82	13.4	ng/ul	606104	4	17.71	901882	20.0
unknown-01	20.51	2.5	ng/ul	130553	5	22.05	1065520	20.0
(DEL) Alkane: Str...	20.56	5.5	ng/ul	291008	5	22.05	1065520	20.0
(DEL) Alkane: Str...	21.07	7.5	ng/ul	400966	5	22.05	1065520	20.0
(DEL) Alkane: Str...	21.61	8.3	ng/ul	443054	5	22.05	1065520	20.0
unknown-02	21.77	9.2	ng/ul	490445	5	22.05	1065520	20.0
(DEL) Alkane: Str...	22.20	12.7	ng/ul	674053	5	22.05	1065520	20.0
(DEL) Alkane: Str...	22.85	14.8	ng/ul	789254	5	22.05	1065520	20.0
Strychnidin-10-on...	22.95	34.2	ng/ul	1820810	5	22.05	1065520	20.0
Phosphoric acid, ...	23.21	13.6	ng/ul	721726	5	22.05	1065520	20.0
unknown-03	23.27	8.4	ng/ul	446160	5	22.05	1065520	20.0
Phosphoric acid, ...	23.48	4.0	ng/ul	213487	5	22.05	1065520	20.0
unknown-04	23.52	12.6	ng/ul	672231	5	22.05	1065520	20.0
(DEL) Alkane: Str...	23.61	16.1	ng/ul	855363	5	22.05	1065520	20.0
unknown-05	23.80	4.2	ng/ul	223197	5	22.05	1065520	20.0
(DEL) Alkane: Str...	24.48	23.5	ng/ul	1046790	6	25.57	891567	20.0
1-Iodoundecane	25.52	20.0	ng/ul	891567	6	25.57	891567	20.0
unknown-06	26.40	2.8	ng/ul	125293	6	25.57	891567	20.0
(DEL) Alkane: Str...	26.75	26.8	ng/ul	1192490	6	25.57	891567	20.0
28-Nor-17.beta.(H...	27.47	15.7	ng/ul	698679	6	25.57	891567	20.0
(DEL) Alkane: Str...	28.23	15.9	ng/ul	710932	6	25.57	891567	20.0
2,4,5,5,8a-Pentam...	28.69	11.1	ng/ul	495747	6	25.57	891567	20.0
(DEL) Alkane: Str...	30.02	11.4	ng/ul	508002	6	25.57	891567	20.0