LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG080217\
Data File : BG028127.D
Acq On : 3 Aug 2017 3:14
Operator : SJ/JU
Sample : I4405-03
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : JJ2X2

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	3.717	19	22	25	rBV5	2524	2250	0.23%	0.018%
2	3.852	42	45	51	rVB5	4586	5980	0.61%	0.047%
3	4.122	87	91	93	rVB3	1675	2399	0.25%	0.019%
4	4.316	121	124	128	rVB4	1937	2053	0.21%	0.016%
5	4.774	191	202	207	rBV6	5502	11857	1.22%	0.093%
6	5.168	266	269	279	rBV4	2776	6389	0.66%	0.050%
7	5.444	312	316	318	rBV3	1459	2119	0.22%	0.017%
8	5.468	318	320	326	rVB3	1867	2924	0.30%	0.023%
9	5.955	402	403	410	rBV2	1077	2046	0.21%	0.016%
10	6.055	415	420	425	rBV3	998	2088	0.21%	0.016%
11	6.590	507	511	515	rVB2	1847	2832	0.29%	0.022%
12	7.048	585	589	594	rVB3	4396	6821	0.70%	0.053%
13	7.506	660	667	684	rBV2	88064	197771	20.30%	1.545%
14	7.677	688	696	707	rBV	61098	105510	10.83%	0.824%
15	7.800	713	717	720	rBV3	2532	2631	0.27%	0.021%
16	7.894	725	733	747	rVB	82857	151568	15.55%	1.184%
17	8.364	806	813	826	rVV	143083	248596	25.51%	1.942%
18	8.611	850	855	857	rBV	1463	1978	0.20%	0.015%
19	8.723	867	874	880	rBV2	1103	2262	0.23%	0.018%
20	8.993	915	920	923	rBV2	1271	2088	0.21%	0.016%
21	9.057	923	931	941	rVV	110206	215358	22.10%	1.682%
22	9.140	941	945	950	rVV3	2042	3483	0.36%	0.027%
23	9.193	950	954	960	rVB5	3106	5861	0.60%	0.046%
24	9.422	987	993	998	rVB	1136	2272	0.23%	0.018%
25	9.533	1001	1012	1023	rBV	85255	164551	16.89%	1.285%
26	9.892	1069	1073	1078	rBV4	1940	3272	0.34%	0.026%
27	10.050	1096	1100	1108	rVB2	1400	3298	0.34%	0.026%
28	10.256	1128	1135	1145	rBV2	75782	147202	15.11%	1.150%
29	10.797	1219	1227	1241	rBV2	119934	236468	24.27%	1.847%
30	10.949	1251	1253	1258	rVB	1386	2167	0.22%	0.017%
31	11.114	1275	1281	1284	rBV3	2263	4095	0.42%	0.032%
32	11.184	1284	1293	1304	rVB	234468	440697	45.22%	3.442%
33	11.314	1307	1315	1330	rBV2	66115	149870	15.38%	1.171%
34	11.731	1382	1386	1390	rBV2	1605	2907	0.30%	0.023%

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

35	11.901	1412	1415	1420	rBV	1243	1873	0.19%	0.015%
36	12.025	1429	1436	1439	rVB2	1072	2331	0.24%	0.018%
37	12.148	1455	1457	1462	rBV2	2248	2482	0.25%	0.019%
38	12.183	1462	1463	1468	rVB	1485	1854	0.19%	0.014%
39	12.401	1495	1500	1506	rVB2	1368	3336	0.34%	0.026%
40	12.471	1506	1512	1515	rBV2	1233	2482	0.25%	0.019%
41	12.630	1533	1539	1545	rBV4	2576	5721	0.59%	0.045%
42	12.747	1555	1559	1565	rVB4	2114	3743	0.38%	0.029%
43	13.123	1617	1623	1626	rBV2	1670	2526	0.26%	0.020%
44	13.170	1628	1631	1634	rVB	1503	2043	0.21%	0.016%
45	13.317	1652	1656	1661	rBV3	2864	3280	0.34%	0.026%
46	13.564	1693	1698	1705	rBV4	2276	4607	0.47%	0.036%
47	13.634	1707	1710	1715	rVB2	1860	2256	0.23%	0.018%
48	13.764	1729	1732	1735	rBV2	3829	2622	0.27%	0.020%
49	14.240	1809	1813	1819	rVV	1279	2332	0.24%	0.018%
50	14.357	1823	1833	1838	rBV	291211	428890	44.01%	3.350%
51	14.404	1838	1841	1848	rVB	71418	105469	10.82%	0.824%
52	14.598	1870	1874	1879	rVB3	1140	2066	0.21%	0.016%
53	14.669	1879	1886	1894	rBV	281204	465295	47.75%	3.635%
54	14.733	1895	1897	1901	rVB3	1961	2118	0.22%	0.017%
55	14.833	1907	1914	1920	rVB5	5602	10413	1.07%	0.081%
56	14.968	1930	1937	1947	rBV2	401023	681072	69.89%	5.320%
57	15.162	1962	1970	1983	rBV3	57630	144243	14.80%	1.127%
58	15.315	1995	1996	2000	rBV3	2500	2794	0.29%	0.022%
59	15.379	2001	2007	2010	rVV6	3893	6560	0.67%	0.051%
60	15.444	2015	2018	2024	rVB5	3587	5275	0.54%	0.041%
61	15.509	2024	2029	2033	rVB4	3645	6631	0.68%	0.052%
62	15.691	2057	2060	2064	rVB4	3410	4873	0.50%	0.038%
63	15.726	2064	2066	2069	rVV3	2096	2498	0.26%	0.020%
64	15.773	2069	2074	2078	rVB3	14629	20439	2.10%	0.160%
65	15.826	2082	2083	2089	rBV4	2219	3634	0.37%	0.028%
66	15.955	2097	2105	2115	rBV	408164	642078	65.89%	5.015%
67	16.067	2117	2124	2135	rBV2	118931	190288	19.53%	1.486%
68	16.190	2135	2145	2153	rVB9	6160	19175	1.97%	0.150%
69	16.331	2164	2169	2174	rBV6	3504	5917	0.61%	0.046%
70	16.396	2174	2180	2188	rVB5	5913	8933	0.92%	0.070%
71	16.461	2188	2191	2193	rBV2	3022	2562	0.26%	0.020%

LSC Area Percent Report

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Title : SVOA CALIBRATION

72	16.537	2199	2204	2208	rVB5	1661	2394	0.25%	0.019%
73	16.590	2208	2213	2216	rBV5	3323	4374	0.45%	0.034%
74	16.637	2216	2221	2231	rBV3	19885	42382	4.35%	0.331%
75	16.766	2240	2243	2247	rVB5	3235	5440	0.56%	0.042%
76	16.860	2257	2259	2263	rBV3	2885	2820	0.29%	0.022%
77	16.919	2265	2269	2275	rVB6	3951	7095	0.73%	0.055%
78	16.972	2275	2278	2280	rBV3	4864	5387	0.55%	0.042%
79	17.101	2297	2300	2305	rVB4	3110	4038	0.41%	0.032%
80	17.213	2316	2319	2320	rBV2	3503	3151	0.32%	0.025%
81	17.324	2337	2338	2340	rBV2	2957	2456	0.25%	0.019%
82	17.424	2351	2355	2361	rBV5	12380	19349	1.99%	0.151%
83	17.483	2362	2365	2366	rBV3	2844	2276	0.23%	0.018%
84	17.583	2378	2382	2384	rBV5	4336	5501	0.56%	0.043%
85	17.718	2398	2405	2416	rBV	527432	854197	87.66%	6.672%
86	17.818	2416	2422	2430	rVV2	421222	672877	69.05%	5.256%
87	18.141	2474	2477	2478	rBV3	5404	6125	0.63%	0.048%
88	18.570	2546	2550	2561	rBV2	66857	143369	14.71%	1.120%
89	19.128	2642	2645	2649	rVB5	13103	18136	1.86%	0.142%
90	19.833	2760	2765	2777	rBV	87014	201676	20.70%	1.575%
91	20.092	2803	2809	2816	rVB	519160	758841	77.87%	5.928%
92	21.625	3065	3070	3083	rBV3	197077	380463	39.04%	2.972%
93	21.889	3111	3115	3122	rVB	204895	333754	34.25%	2.607%
94	22.054	3136	3143	3152	rVB	492207	930178	95.45%	7.266%
95	22.865	3276	3281	3285	rBV	171177	289323	29.69%	2.260%
96	24.492	3552	3558	3565	rVB2	124426	268435	27.55%	2.097%
97	25.321	3692	3699	3710	rVB2	224416	647270	66.42%	5.056%
98	25.573	3733	3742	3759	rVB	284394	974474	100.00%	7.612%
99	26.760	3938	3944	3958	rVB4	111691	336816	34.56%	2.631%
100	31.384	4718	4731	4758	rVB4	150948	931070	95.55%	7.273%

Sum of corrected areas: 12802041

LSC Report - Integrated Chromatogram

Data Path : Z:\HPCHEM1\BNA G\DATA\BG080217\
Data File : BG028127.D
Acq On : 3 Aug 2017 3:14
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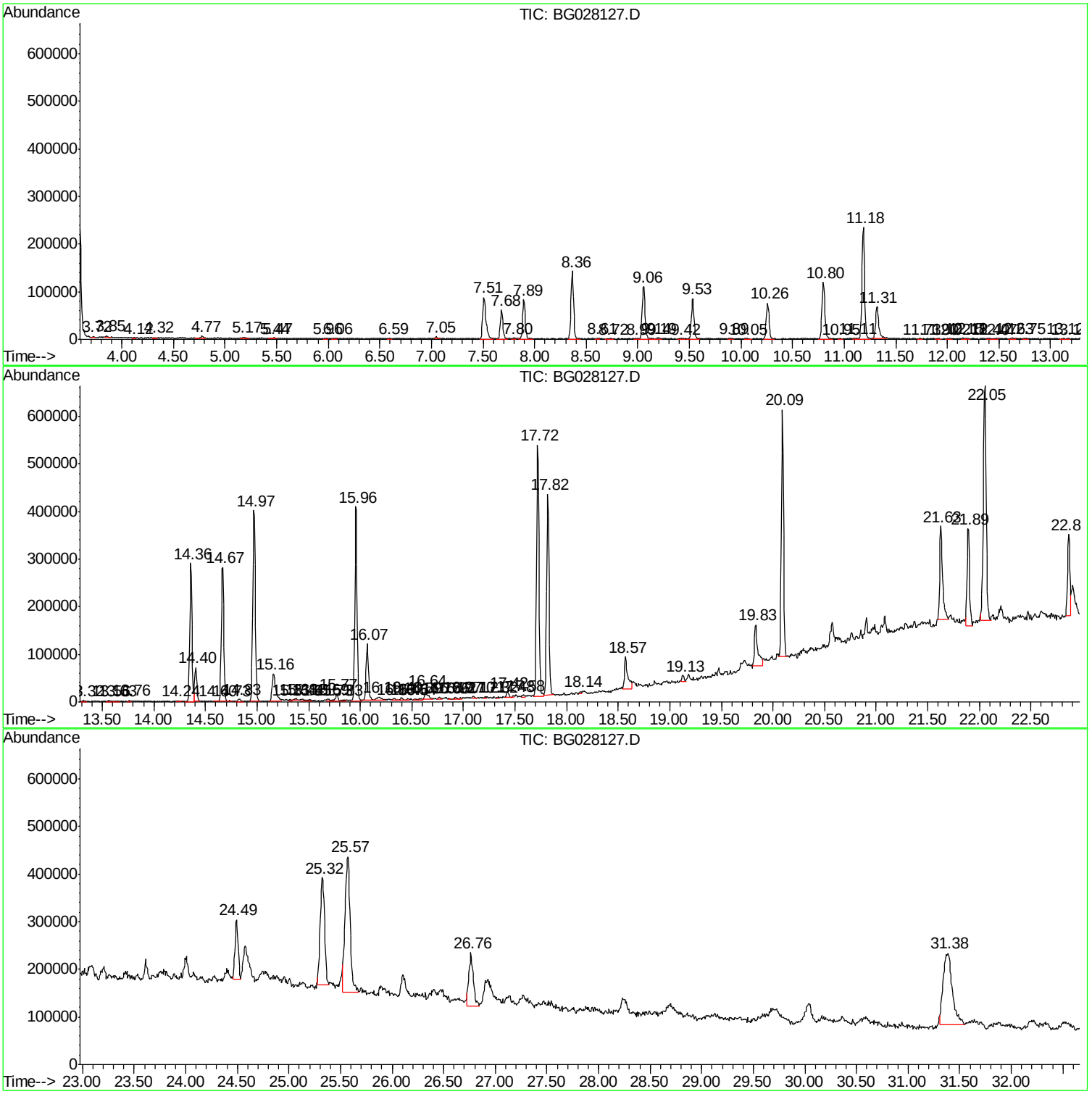
Sample : I4405-03
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : JJ2X2

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



Library Search Compound Report

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Instrument : BNA_G
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Quant Title : SVOA CALIBRATION

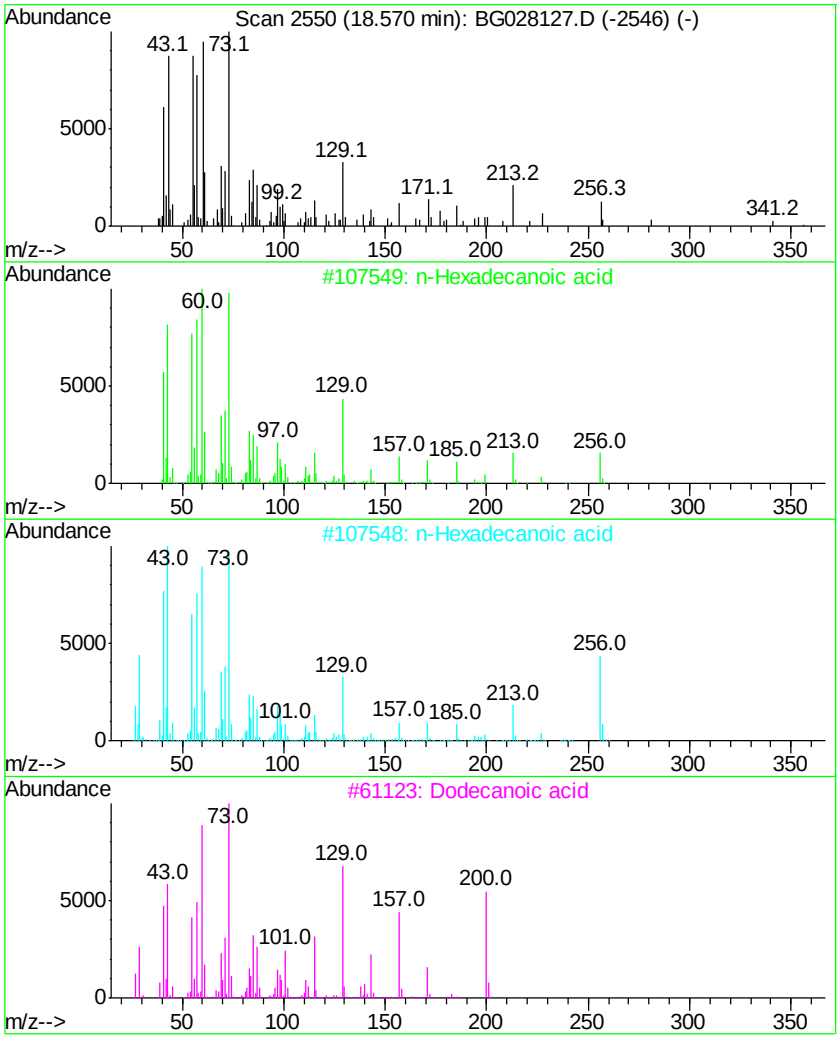
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

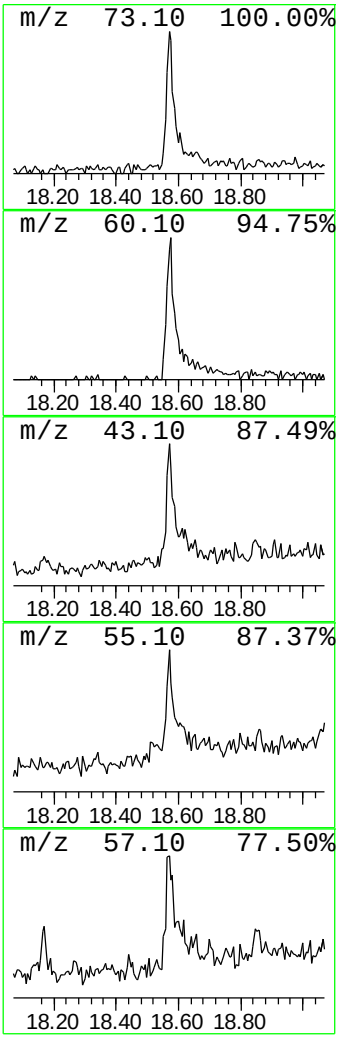
****

Peak Number 1 n-Hexadecanoic acid Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.57	3.36 ng/ul	143369	Phenanthrene-d10	17.72

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	97
2	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	93
3	Dodecanoic acid	200	C12H24O2	000143-07-7	86
4	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	76
5	Pentadecanoic acid	242	C15H30O2	001002-84-2	72





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Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : JJ2X2

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

TIC Library : C:\DATABASE\NIST11.L
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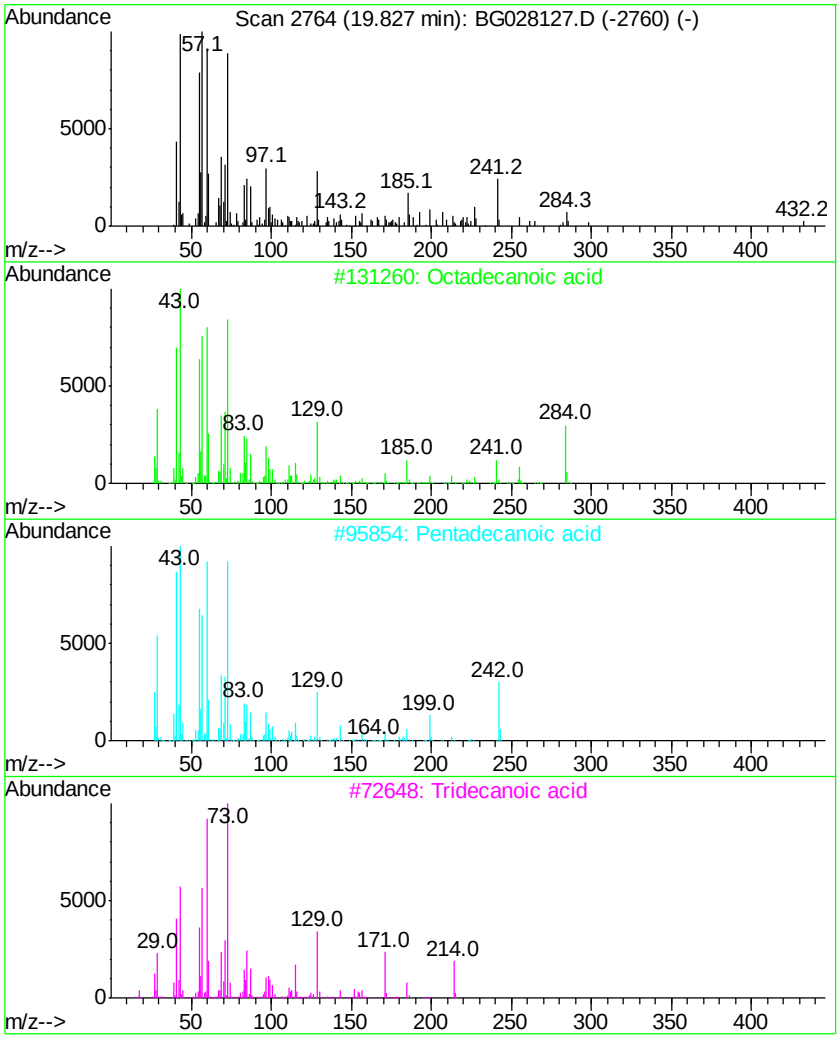
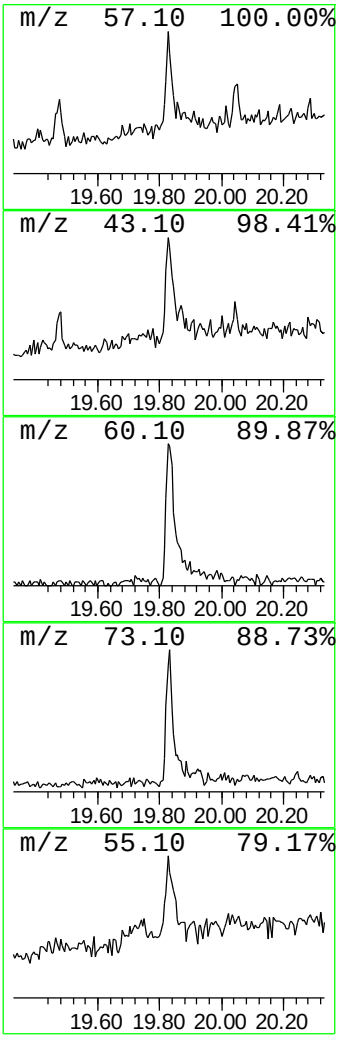
Peak Number 2 Octadecanoic acid Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.83	4.72 ng/ul	201676	Phenanthrene-d10	17.72

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octadecanoic acid	284	C18H36O2	000057-11-4	83
2	Pentadecanoic acid	242	C15H30O2	001002-84-2	74
3	Tridecanoic acid	214	C13H26O2	000638-53-9	72
4	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	72
5	Tetradecanoic acid	228	C14H28O2	000544-63-8	70





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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
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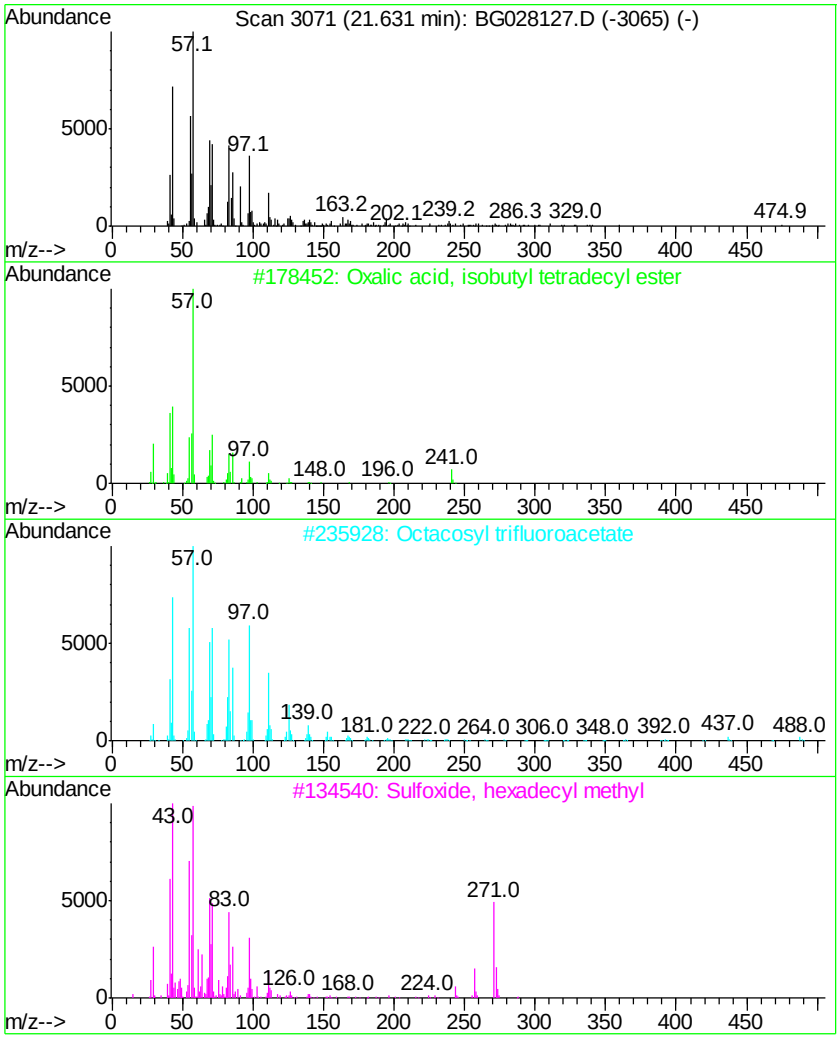
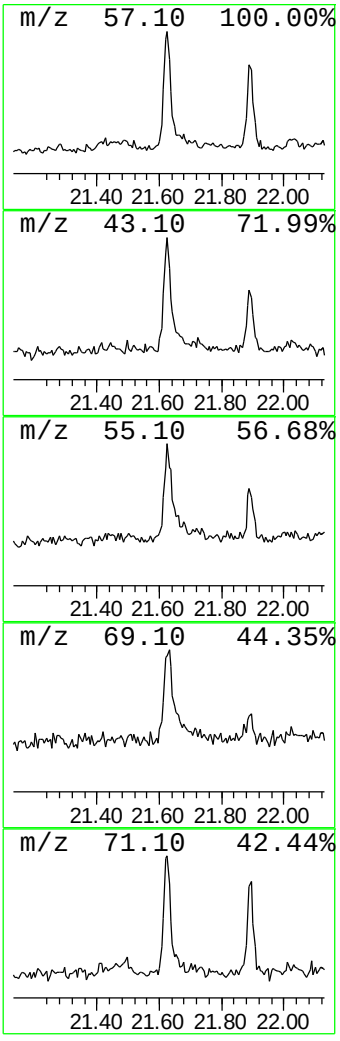
Peak Number 3 Oxalic acid, isobutyl tetra... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.63	8.18 ng/ul	380463	Chrysene-d12	22.05

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Oxalic acid, isobutyl tetradecyl...	342	C20H38O4	1000309-37-9	91
2	Octacosyl trifluoroacetate	506	C30H57F3O2	1000351-74-9	91
3	Sulfoxide, hexadecyl methyl	288	C17H36OS	003079-32-1	90
4	Oxirane, [(hexadecyloxy)methyl]-	298	C19H38O2	015965-99-8	80
5	Tetradecane, 1-chloro-	232	C14H29Cl	002425-54-9	74





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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

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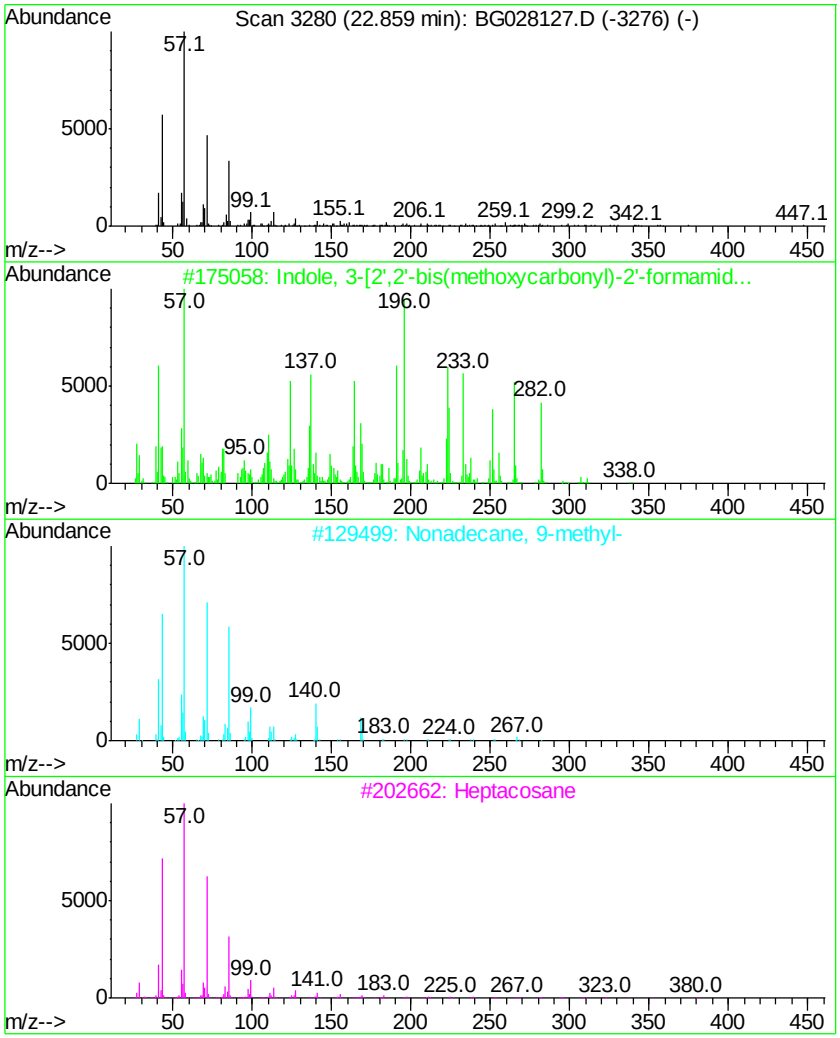
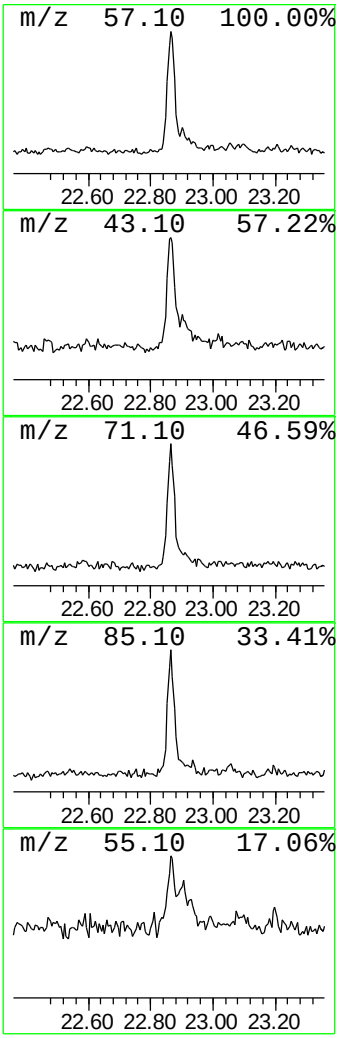
Peak Number 4 Indole, 3-[2',2'-bis(methox... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.86	6.22 ng/ul	289323	Chrysene-d12	22.05

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indole, 3-[2',2'-bis(methoxycarb...	338	C17H26N2O5	1000195-88-7	91
2	Nonadecane, 9-methyl-	282	C20H42	013287-24-6	87
3	Heptacosane	380	C27H56	000593-49-7	83
4	Tridecane, 3-methyl-	198	C14H30	006418-41-3	76
5	3,5-Dimethyldodecane	198	C14H30	107770-99-0	64





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ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : JJ2X2

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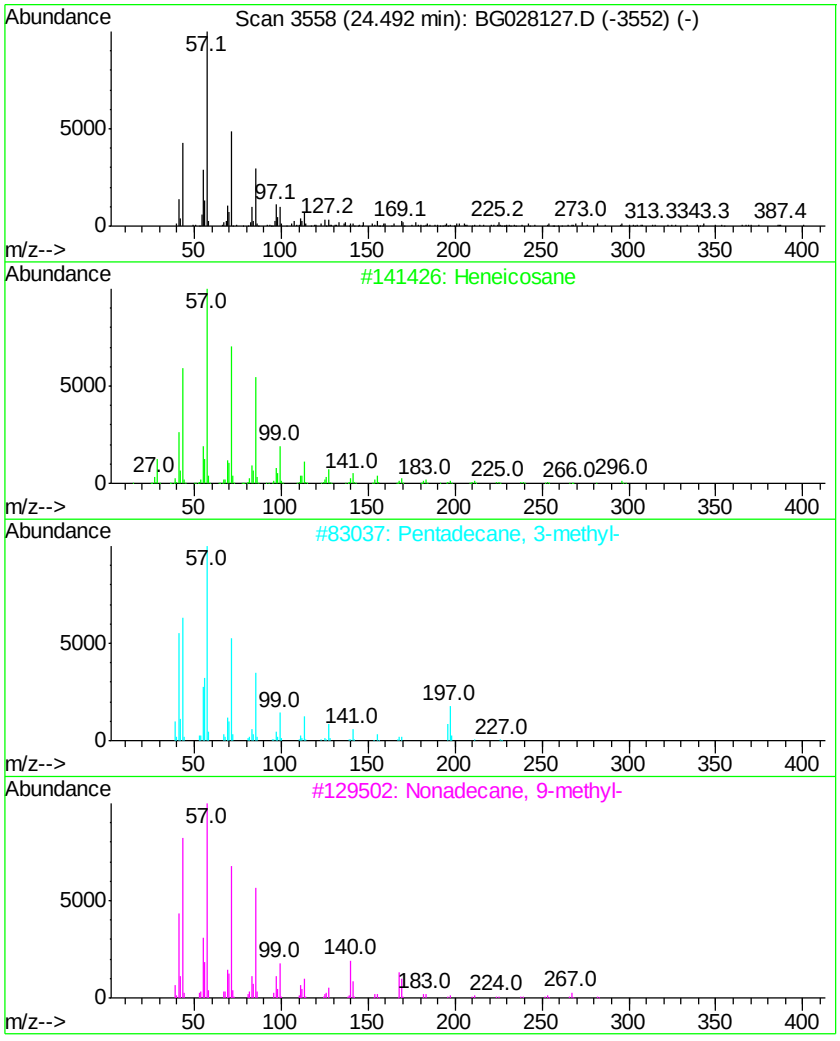
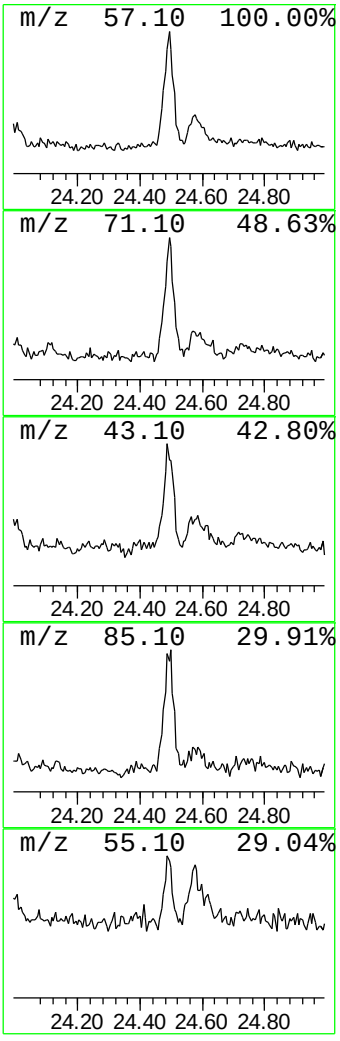
Peak Number 5 (DEL) Alkane: Straight-Chai... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
24.49	5.51 ng/ul	268435	Perylene-d12	25.57

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heneicosane	296	C21H44	000629-94-7	89
2	Pentadecane, 3-methyl-	226	C16H34	002882-96-4	80
3	Nonadecane, 9-methyl-	282	C20H42	013287-24-6	80
4	7-Methyl-octadecane	268	C19H40	1000192-63-3	80
5	Nonacosane	408	C29H60	000630-03-5	72





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Instrument : BNA_G
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TIC Integration Parameters: LSCINT.P

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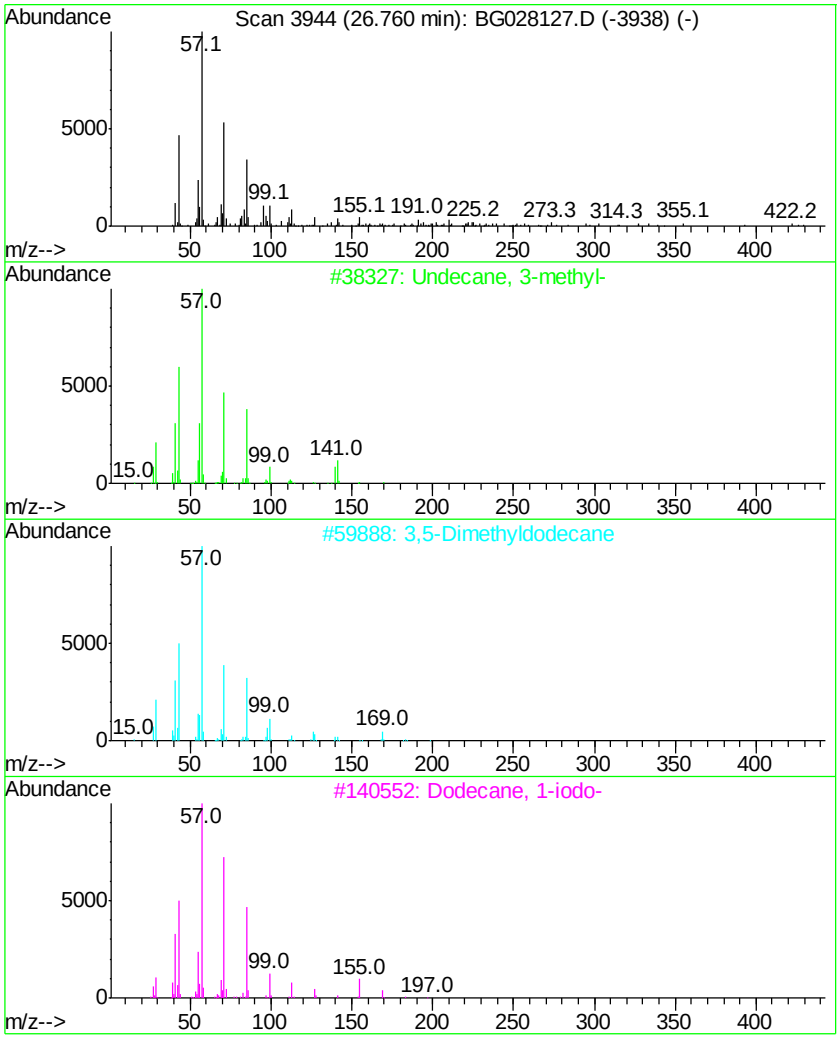
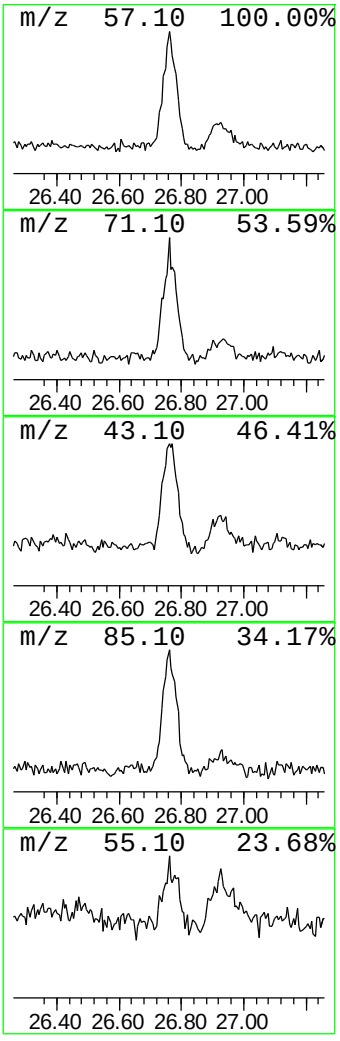
Peak Number 6 (DEL) Alkane: Straight-Chai... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
26.76	6.91 ng/ul	336816	Perylene-d12	25.57

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Undecane, 3-methyl-	170	C12H26	001002-43-3	72
2	3,5-Dimethyldodecane	198	C14H30	107770-99-0	72
3	Dodecane, 1-iodo-	296	C12H25I	004292-19-7	72
4	Hentriacontane	437	C31H64	000630-04-6	72
5	Borane, diethyl(decyloxy)-	226	C14H31BO	1000152-34-3	64





Data Path : Z:\HPCHEM1\BNA G\DATA\BG080217\
Data File : BG028127.D
Acq On : 3 Aug 2017 3:14
Operator : SJ/JU
Sample : I4405-03
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : JJ2X2

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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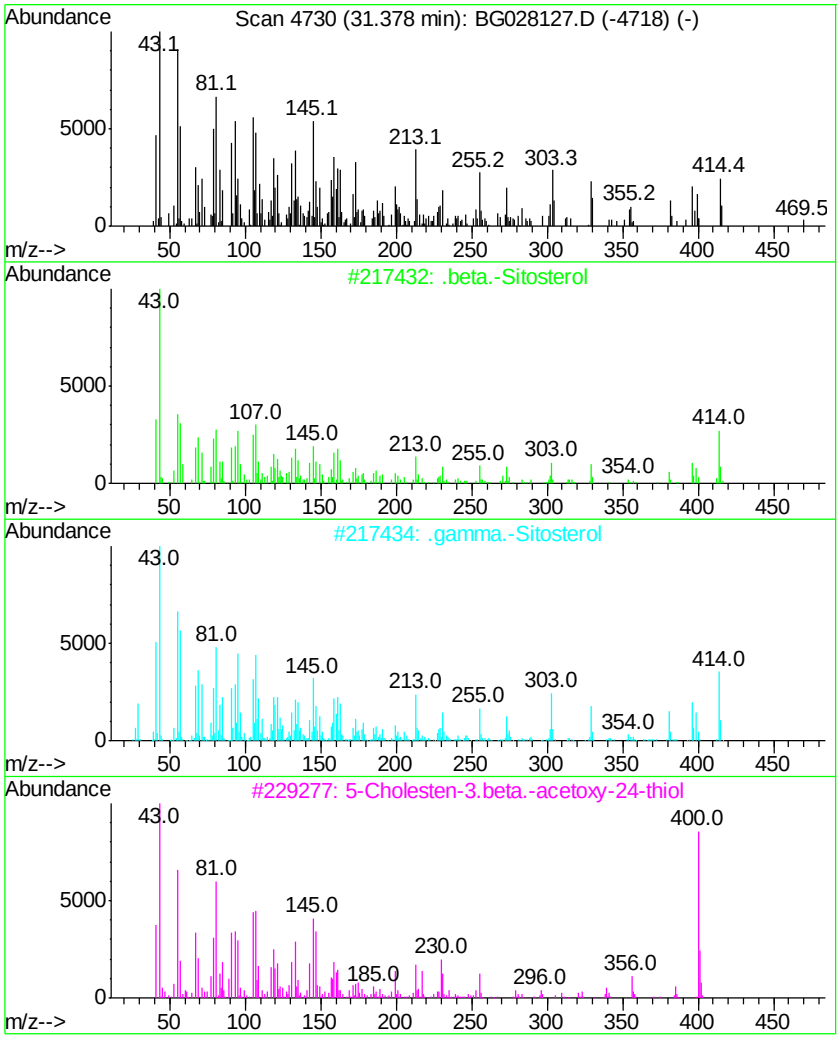
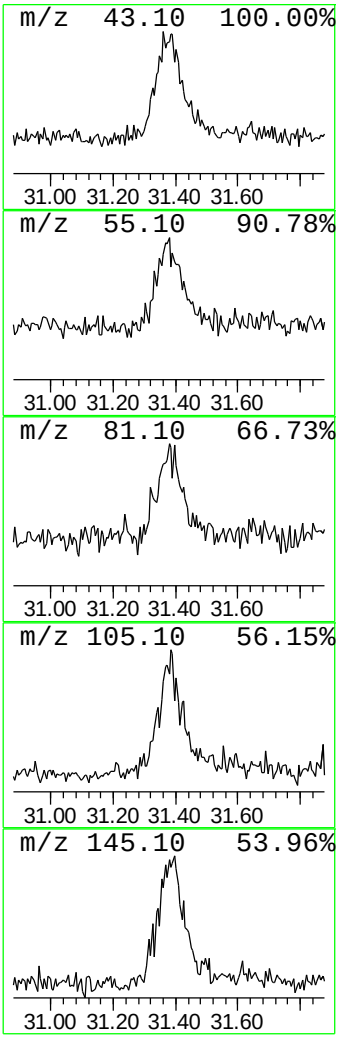
Peak Number 7 .beta.-Sitosterol Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
31.38	19.11 ng/ul	931070	Perylene-d12	25.57

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	.beta.-Sitosterol	414	C29H50O	000083-46-5	93
2	.gamma.-Sitosterol	414	C29H50O	000083-47-6	90
3	5-Cholesten-3.beta.-acetoxy-24-t...	460	C29H48O2S	1000253-09-1	27
4	Ergost-7-en-3-ol	400	C28H48O	116179-22-7	25
5	.beta.-Sitosterol	414	C29H50O	000083-46-5	25





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG080217\
Data File : BG028127.D
Acq On : 3 Aug 2017 3:14
Operator : SJ/JU
Sample : I4405-03
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : JJ2X2

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
n-Hexadecanoic acid	18.57	3.4	ng/ul	143369	4	17.72	854197	20.0
Octadecanoic acid	19.83	4.7	ng/ul	201676	4	17.72	854197	20.0
Oxalic acid, isob...	21.63	8.2	ng/ul	380463	5	22.05	930178	20.0
Indole, 3-[2',2'-...	22.86	6.2	ng/ul	289323	5	22.05	930178	20.0
(DEL) Alkane: Str...	24.49	5.5	ng/ul	268435	6	25.57	974474	20.0
(DEL) Alkane: Str...	26.76	6.9	ng/ul	336816	6	25.57	974474	20.0
.beta.-Sitosterol	31.38	19.1	ng/ul	931070	6	25.57	974474	20.0