LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA G\Data\BG081517\
Data File : BG028360.D
Acq On : 16 Aug 2017 1:58
Operator : SJ/JU
Sample : I4672-05
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C0AH1

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	3.847	40	44	50	rVB3	8600	14890	0.96%	0.085%
2	4.346	122	129	135	rBV3	13056	23185	1.49%	0.132%
3	4.575	163	168	176	rVB4	3958	7886	0.51%	0.045%
4	4.922	225	227	242	rVB6	2735	9360	0.60%	0.053%
5	5.263	280	285	294	rVB5	2334	7162	0.46%	0.041%
6	6.003	405	411	414	rVV4	5782	8804	0.57%	0.050%
7	6.314	456	464	466	rBV3	3140	6774	0.44%	0.039%
8	6.367	466	473	483	rVV3	9340	20430	1.32%	0.116%
9	7.513	659	668	683	rBV	165742	323932	20.87%	1.843%
10	7.672	689	695	704	rBV2	123426	209765	13.52%	1.194%
11	7.895	726	733	741	rBV	161349	289305	18.64%	1.646%
12	7.995	747	750	755	rVB3	5324	6969	0.45%	0.040%
13	8.359	805	812	824	rVB	157121	282023	18.17%	1.605%
14	9.052	923	930	948	rVV2	169627	330478	21.30%	1.880%
15	9.193	948	954	959	rVV5	4178	8886	0.57%	0.051%
16	9.528	1002	1011	1023	rBV	176155	338102	21.79%	1.924%
17	10.251	1127	1134	1146	rVB	150492	285797	18.42%	1.626%
18	10.797	1219	1227	1236	rBV	210481	418448	26.97%	2.381%
19	11.109	1272	1280	1283	rBV5	4225	8079	0.52%	0.046%
20	11.179	1283	1292	1298	rBV	223781	438806	28.28%	2.497%
21	11.309	1307	1314	1326	rBV	113421	235565	15.18%	1.340%
22	12.149	1449	1457	1461	rBV5	4580	9129	0.59%	0.052%
23	12.537	1515	1523	1529	rBV4	5485	9730	0.63%	0.055%
24	12.736	1552	1557	1563	rBV3	4819	8497	0.55%	0.048%
25	12.807	1563	1569	1579	rBV	20007	35848	2.31%	0.204%
26	13.024	1600	1606	1612	rBV2	19313	32994	2.13%	0.188%
27	13.324	1649	1657	1667	rVB6	4256	13880	0.89%	0.079%
28	13.465	1675	1681	1685	rVV4	3858	7356	0.47%	0.042%
29	13.553	1691	1696	1705	rVV5	7881	15245	0.98%	0.087%
30	13.747	1724	1729	1734	rBV4	5965	10149	0.65%	0.058%
31	13.988	1766	1770	1780	rVB5	4207	10498	0.68%	0.060%
32	14.135	1786	1795	1802	rBV5	7419	17969	1.16%	0.102%
33	14.282	1814	1820	1825	rBV4	17167	32488	2.09%	0.185%
34	14.352	1825	1832	1836	rVV	458976	696319	44.87%	3.962%

LSC Area Percent Report

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Acq On : 16 Aug 2017 1:58
Operator : SJ/JU
Sample : I4672-05
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C0AH1

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	14.399	1836	1840	1846	rVB	136231	199532	12.86%	1.135%
36	14.523	1854	1861	1871	rBV4	9090	21956	1.41%	0.125%
37	14.664	1877	1885	1893	rBV	455681	772008	49.75%	4.393%
38	14.816	1903	1911	1918	rVB5	10974	22411	1.44%	0.128%
39	14.963	1918	1936	1944	rBV2	384764	673109	43.38%	3.830%
40	15.034	1944	1948	1952	rVB6	5946	8634	0.56%	0.049%
41	15.169	1963	1971	1987	rBV2	103323	255506	16.47%	1.454%
42	15.310	1992	1995	1998	rBV5	6034	8566	0.55%	0.049%
43	15.363	1998	2004	2011	rVB8	18364	41751	2.69%	0.238%
44	15.421	2011	2014	2023	rVB6	9785	15427	0.99%	0.088%
45	15.504	2023	2028	2033	rVB2	4717	6823	0.44%	0.039%
46	15.574	2033	2040	2044	rBV5	5767	10004	0.64%	0.057%
47	15.727	2060	2066	2067	rBV5	9241	14759	0.95%	0.084%
48	15.762	2067	2072	2078	rVB5	19386	34627	2.23%	0.197%
49	15.950	2093	2104	2118	rBV	630984	1043886	67.27%	5.940%
50	16.068	2118	2124	2133	rBV2	206956	332311	21.41%	1.891%
51	16.162	2137	2140	2144	rBV4	4681	7753	0.50%	0.044%
52	16.303	2160	2164	2169	rVB7	8522	15904	1.02%	0.090%
53	16.397	2174	2180	2183	rBV6	4485	8930	0.58%	0.051%
54	16.450	2185	2189	2195	rVB6	10743	18792	1.21%	0.107%
55	16.626	2213	2219	2221	rBV2	26791	40444	2.61%	0.230%
56	16.649	2221	2223	2230	rVB2	28498	33404	2.15%	0.190%
57	16.820	2248	2252	2254	rVV3	5119	6466	0.42%	0.037%
58	17.072	2290	2295	2303	rVV8	7265	13216	0.85%	0.075%
59	17.237	2316	2323	2329	rBV9	12865	26818	1.73%	0.153%
60	17.366	2338	2345	2350	rBV8	16160	36413	2.35%	0.207%
61	17.419	2350	2354	2359	rBV2	22921	34288	2.21%	0.195%
62	17.566	2371	2379	2386	rBV4	43029	75087	4.84%	0.427%
63	17.631	2386	2390	2396	rVV4	43660	65602	4.23%	0.373%
64	17.713	2398	2404	2409	rBV2	515679	829548	53.46%	4.720%
65	17.754	2409	2411	2416	rVV	134543	184079	11.86%	1.047%
66	17.813	2416	2421	2432	rVB	671363	1063737	68.55%	6.053%
67	17.960	2442	2446	2450	rVB6	4511	7224	0.47%	0.041%
68	18.060	2456	2463	2470	rBV8	16897	43031	2.77%	0.245%
69	18.124	2471	2474	2477	rVV3	12057	18592	1.20%	0.106%
70	18.159	2477	2480	2487	rVB4	16135	21885	1.41%	0.125%
71	18.218	2488	2490	2494	rVB4	5127	6521	0.42%	0.037%

LSC Area Percent Report

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Data File : BG028360.D
Acq On : 16 Aug 2017 1:58
Operator : SJ/JU
Sample : I4672-05
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C0AH1

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	18.300	2499	2504	2507	rBV6	11384	16272	1.05%	0.093%
73	18.447	2523	2529	2535	rBV8	20247	41788	2.69%	0.238%
74	18.506	2535	2539	2544	rBV2	52146	83721	5.40%	0.476%
75	18.565	2544	2549	2557	rVV2	297446	513083	33.06%	2.919%
76	18.635	2557	2561	2570	rVB2	52654	91029	5.87%	0.518%
77	18.776	2579	2585	2589	rBV4	33950	70461	4.54%	0.401%
78	18.847	2595	2597	2607	rVB10	15457	30787	1.98%	0.175%
79	18.929	2608	2611	2617	rVB7	14150	24055	1.55%	0.137%
80	19.070	2632	2635	2640	rBV4	19605	26763	1.72%	0.152%
81	19.117	2640	2643	2654	rVB7	22005	41302	2.66%	0.235%
82	19.358	2681	2684	2689	rBV6	10247	16558	1.07%	0.094%
83	19.411	2689	2693	2699	rBV9	23203	41128	2.65%	0.234%
84	19.481	2699	2705	2711	rBV6	19235	54322	3.50%	0.309%
85	19.640	2727	2732	2736	rBV8	12048	24001	1.55%	0.137%
86	19.752	2736	2751	2757	rBV	239435	441800	28.47%	2.514%
87	19.816	2757	2762	2772	rBV	156625	277908	17.91%	1.581%
88	20.087	2802	2808	2819	rBV2	824301	1551775	100.00%	8.830%
89	20.333	2847	2850	2852	rBV4	12390	13306	0.86%	0.076%
90	20.427	2862	2866	2874	rBV5	21619	48276	3.11%	0.275%
91	20.562	2885	2889	2892	rBV6	21897	36073	2.32%	0.205%
92	21.068	2973	2975	2982	rVB8	24642	39463	2.54%	0.225%
93	21.397	3028	3031	3039	rVB5	37473	72188	4.65%	0.411%
94	21.614	3064	3068	3078	rVB6	60401	147923	9.53%	0.842%
95	22.049	3133	3142	3147	rBV2	537726	1141932	73.59%	6.498%
96	22.507	3214	3220	3227	rVB5	60155	116914	7.53%	0.665%
97	24.464	3541	3553	3567	rBV3	91959	448475	28.90%	2.552%
98	25.322	3690	3699	3708	rBV2	345795	1009874	65.08%	5.746%
99	25.563	3732	3740	3753	rVB	256092	784219	50.54%	4.462%
100	26.738	3932	3940	3949	rVB2	62637	175510	11.31%	0.999%

Sum of corrected areas: 17574698

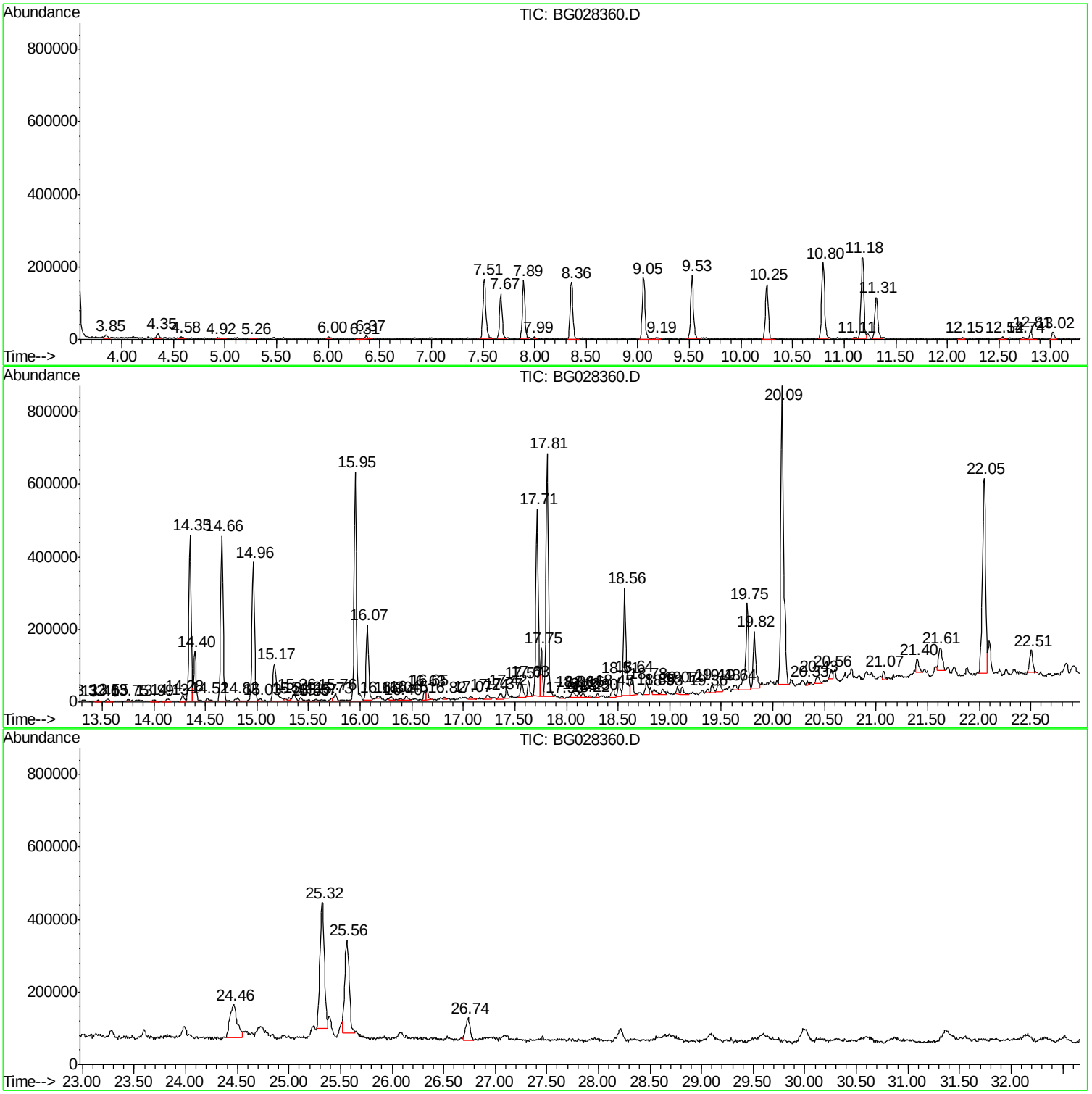
LSC Report - Integrated Chromatogram

Data Path : Z:\HPCHEM1\BNA G\Data\BG081517\
Data File : BG028360.D
Acq On : 16 Aug 2017 1:58
Operator : SJ/JU
Sample : I4672-05
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C0AH1

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

Data Path : Z:\HPCHEM1\BNA G\Data\BG081517\
Data File : BG028360.D
Acq On : 16 Aug 2017 1:58
Operator : SJ/JU
Sample : I4672-05
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C0AH1

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

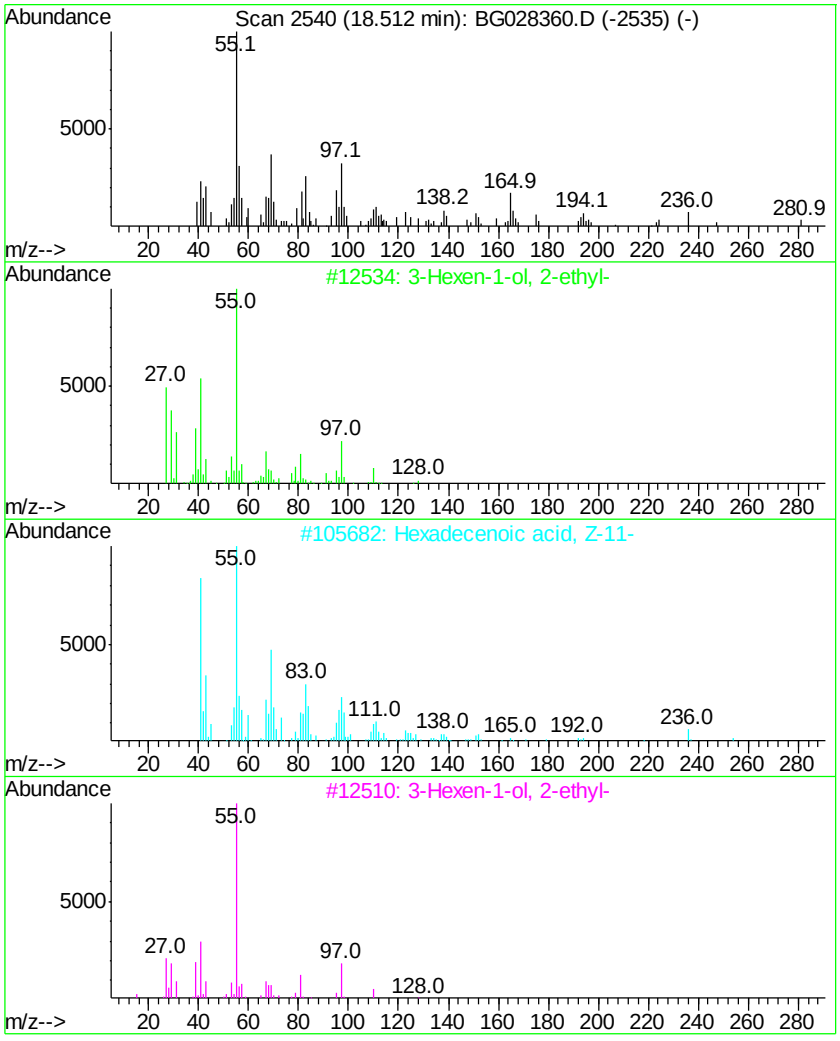
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

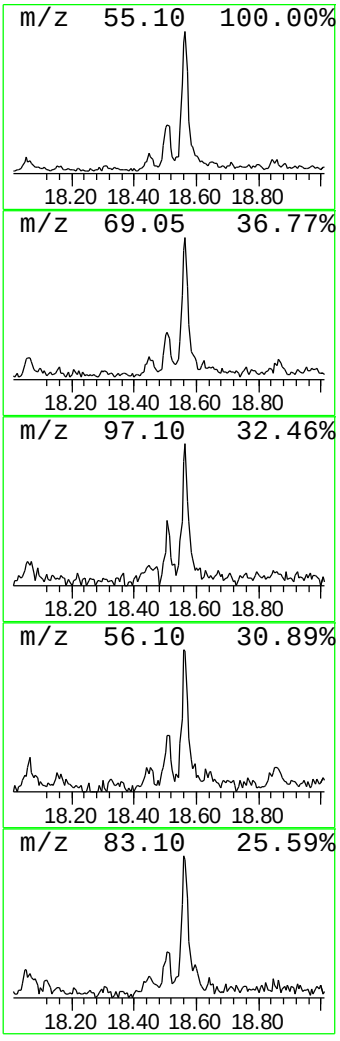
****

Peak Number 1 unknown-01 Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.51	2.02 ng/ul	83721	Phenanthrene-d10	17.71

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Hexen-1-ol, 2-ethyl-	128	C8H16O	053907-73-6	43
2	Hexadecenoic acid, Z-11-	254	C16H30O2	002416-20-8	41
3	3-Hexen-1-ol, 2-ethyl-	128	C8H16O	053907-73-6	38
4	Cycloheptane, methyl-	112	C8H16	004126-78-7	30
5	9-Hexadecenoic acid	254	C16H30O2	002091-29-4	30





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA G\Data\BG081517\
Data File : BG028360.D
Acq On : 16 Aug 2017 1:58
Operator : SJ/JU
Sample : I4672-05
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C0AH1

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

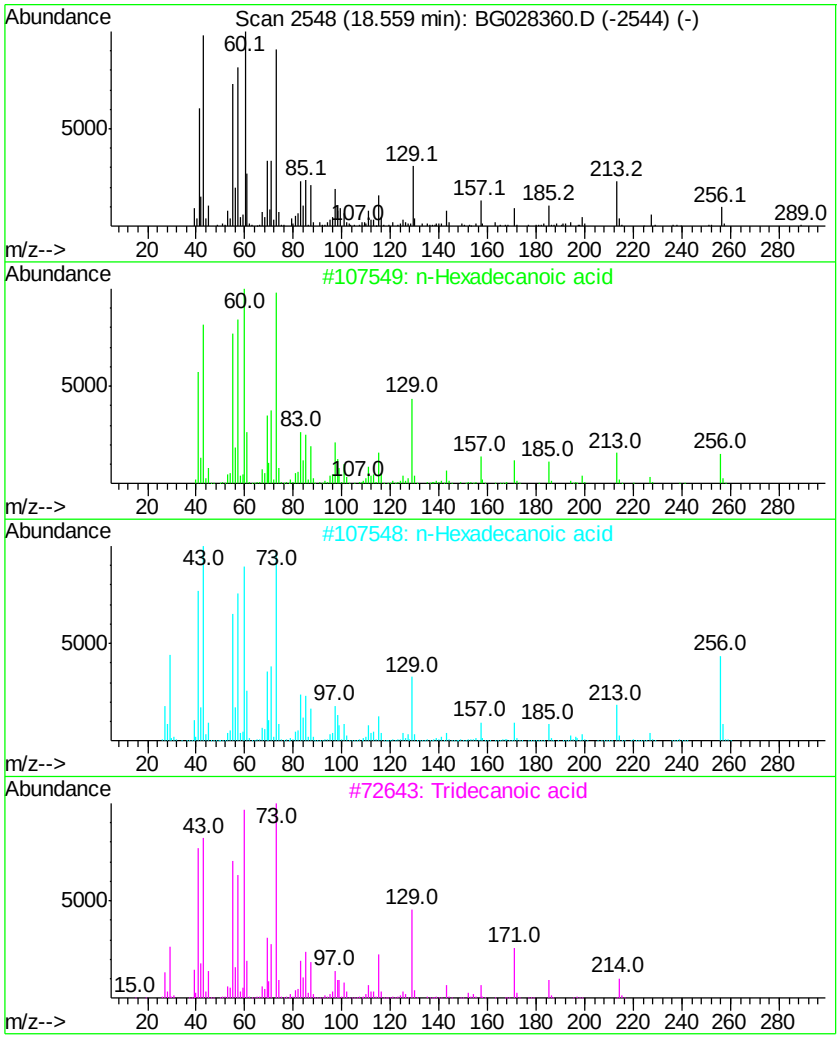
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

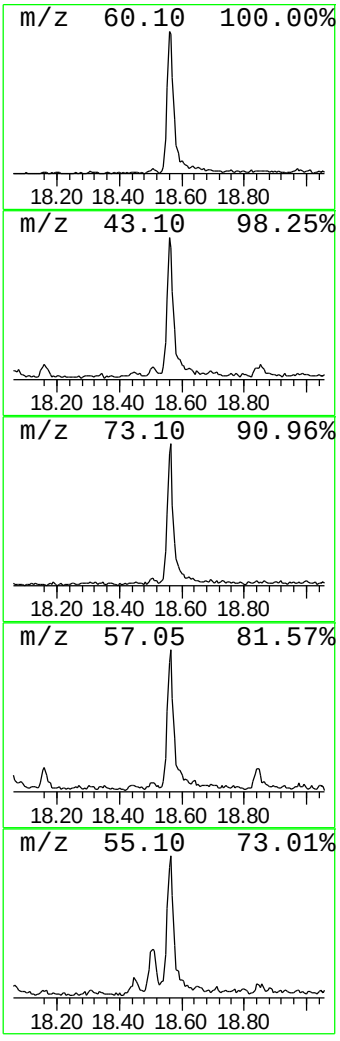
****

Peak Number 2 n-Hexadecanoic acid Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.56	12.37 ng/ul	513083	Phenanthrene-d10	17.71

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	99
2	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	96
3	Tridecanoic acid	214	C13H26O2	000638-53-9	93
4	Octadecanoic acid	284	C18H36O2	000057-11-4	90
5	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	83





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Sample : I4672-05
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Instrument : BNA_G
ClientSampleId : C0AH1

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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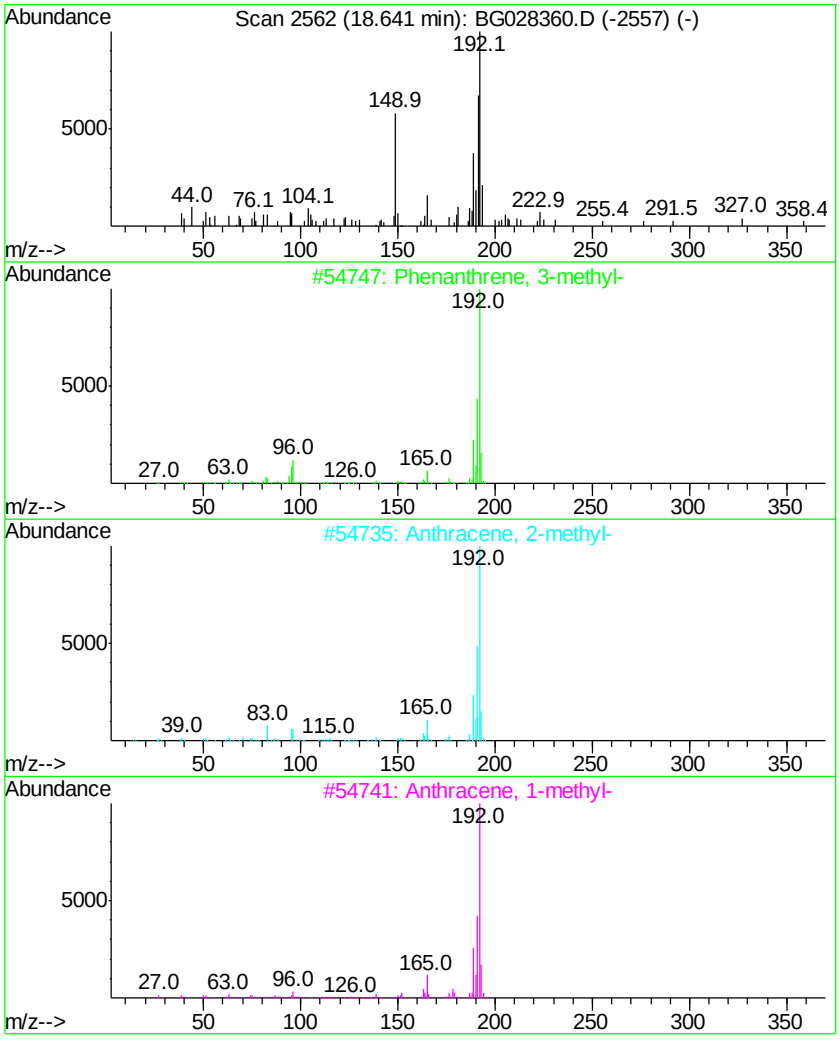
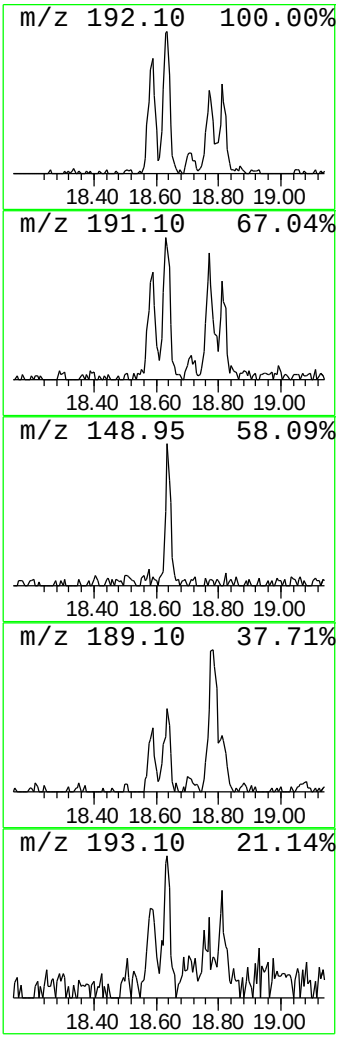
Peak Number 3 Phenanthrene, 3-methyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.64	2.19 ng/ul	91029	Phenanthrene-d10	17.71

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 3-methyl-	192	C15H12	000832-71-3	86
2	Anthracene, 2-methyl-	192	C15H12	000613-12-7	83
3	Anthracene, 1-methyl-	192	C15H12	000610-48-0	83
4	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	70
5	Phenanthrene, 9-methyl-	192	C15H12	000883-20-5	70





Data Path : Z:\HPCHEM1\BNA G\Data\BG081517\
Data File : BG028360.D
Acq On : 16 Aug 2017 1:58
Operator : SJ/JU
Sample : I4672-05
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C0AH1

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

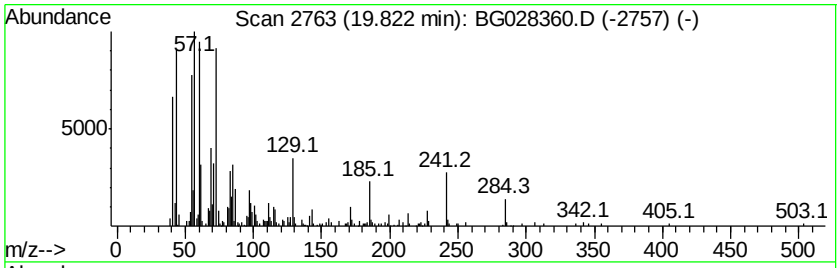
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

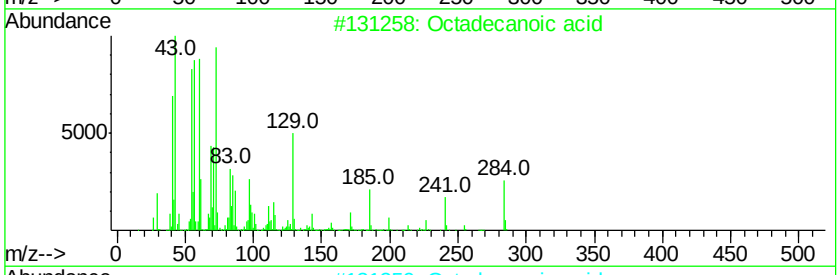
****

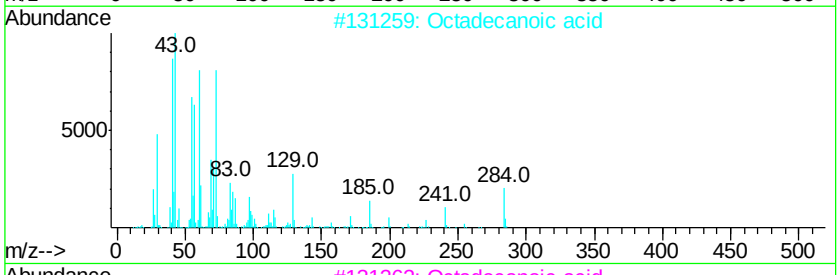
Peak Number 4 Octadecanoic acid Concentration Rank 2

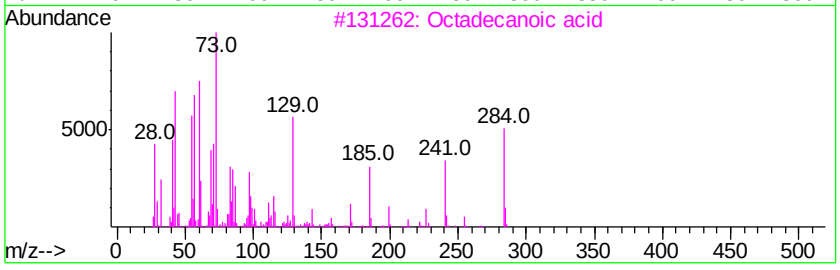
R.T.	EstConc	Area	Relative to ISTD	R.T.
19.82	6.70 ng/ul	277908	Phenanthrene-d10	17.71

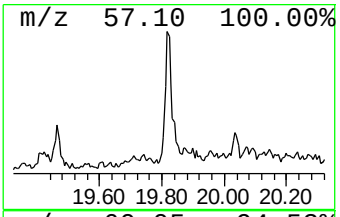
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octadecanoic acid	284	C18H36O2	000057-11-4	99
2	Octadecanoic acid	284	C18H36O2	000057-11-4	98
3	Octadecanoic acid	284	C18H36O2	000057-11-4	96
4	Octadecanoic acid	284	C18H36O2	000057-11-4	96
5	Pentadecanoic acid	242	C15H30O2	001002-84-2	93

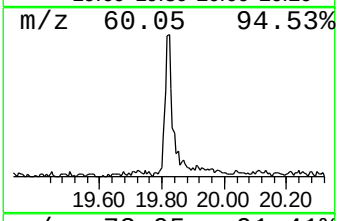


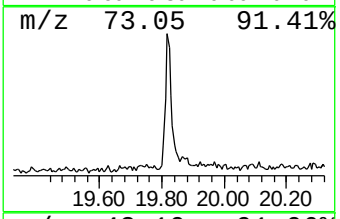


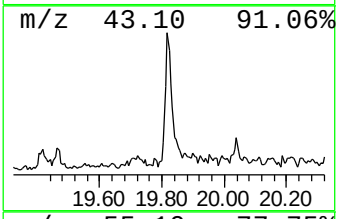


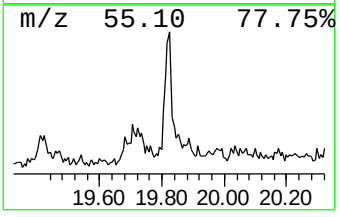












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Data File : BG028360.D
Acq On : 16 Aug 2017 1:58
Operator : SJ/JU
Sample : I4672-05
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C0AH1

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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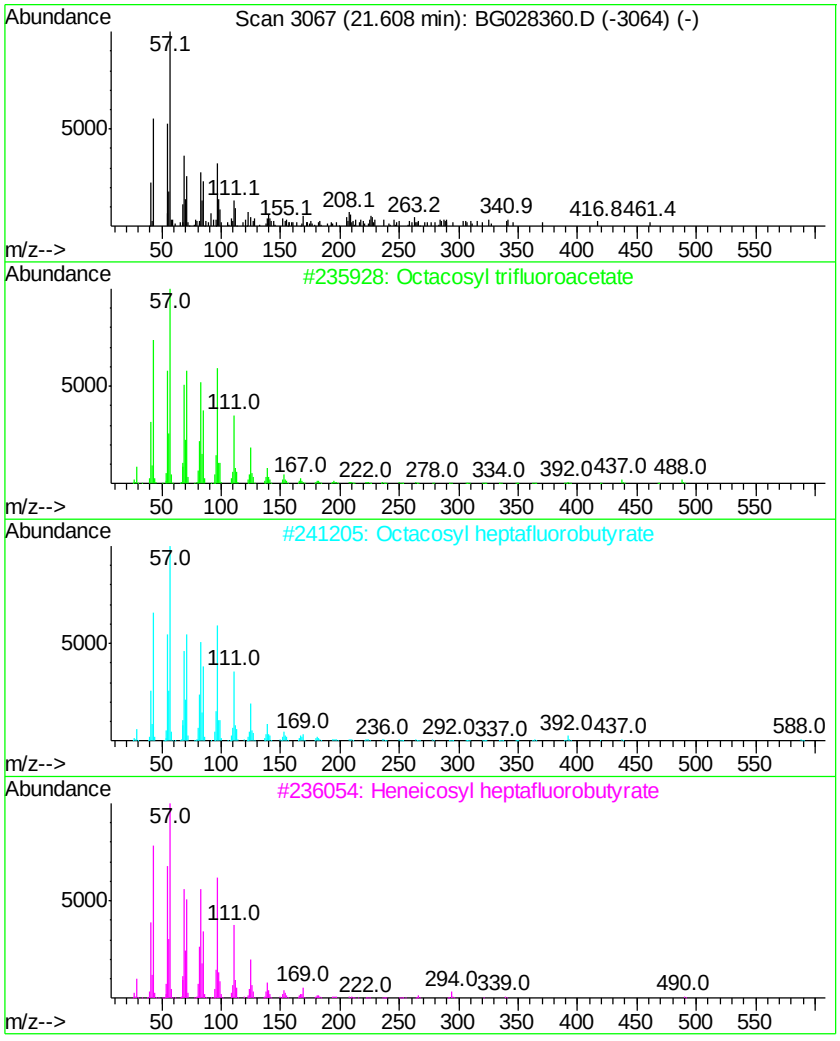
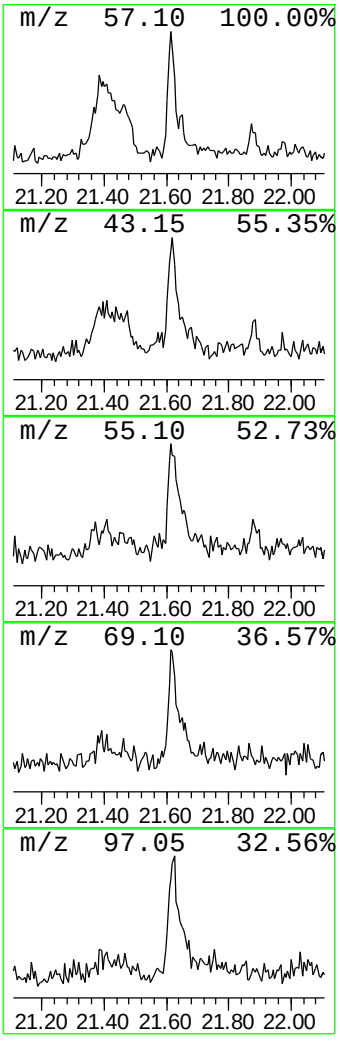
Peak Number 5 Octacosyl trifluoroacetate Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.61	2.59 ng/ul	147923	Chrysene-d12	22.05

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octacosyl trifluoroacetate	506	C30H57F3O2	1000351-74-9	60
2	Octacosyl heptafluorobutyrate	606	C32H57F7O2	1000351-83-6	60
3	Heneicosyl heptafluorobutyrate	508	C25H43F7O2	1000351-83-8	53
4	Tetratriacontyl pentafluoropropi...	641	C37H69F5O2	1000351-81-5	53
5	Hexacosyl pentafluoropropionate	528	C29H53F5O2	1000351-81-2	49





Data Path : Z:\HPCHEM1\BNA G\Data\BG081517\
Data File : BG028360.D
Acq On : 16 Aug 2017 1:58
Operator : SJ/JU
Sample : I4672-05
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C0AH1

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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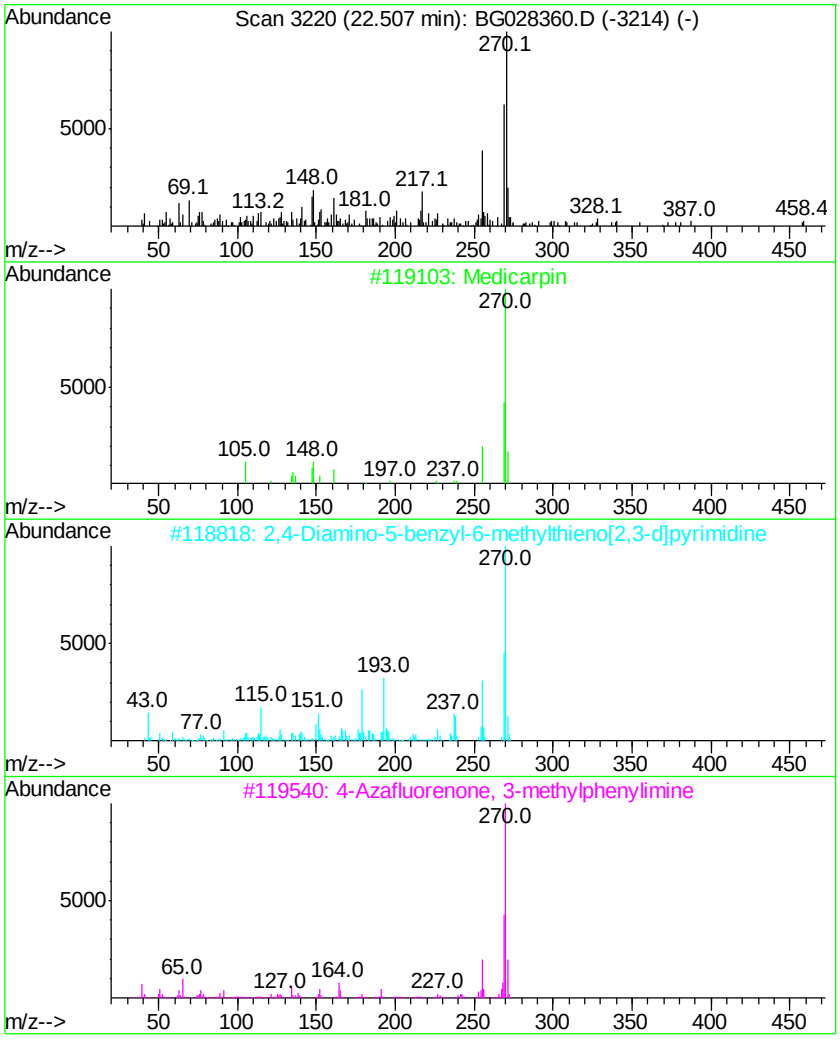
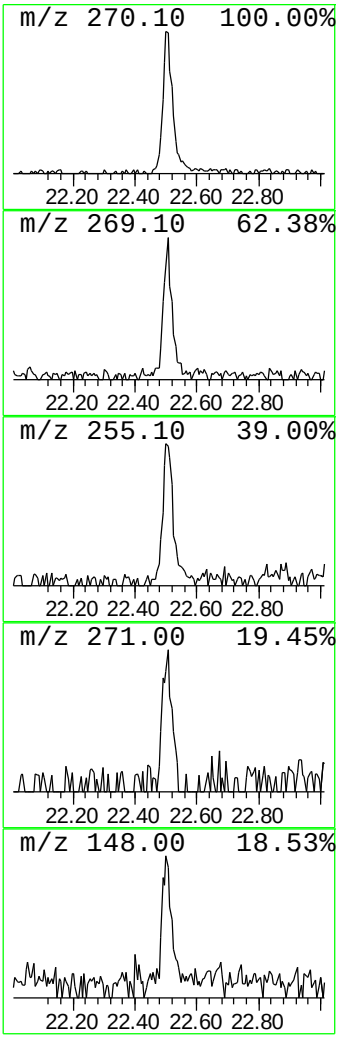
Peak Number 6 Medicarpin Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.51	2.05 ng/ul	116914	Chrysene-d12	22.05

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Medicarpin	270	C16H14O4	032383-76-9	83
2	2,4-Diamino-5-benzyl-6-methylthi...	270	C14H14N4S	042160-19-0	80
3	4-Azafluorenone, 3-methylphenyli...	270	C19H14N2	1000301-74-7	74
4	7-Methyl-4-azafluorenone, phenyl...	270	C19H14N2	1000216-54-1	72
5	4,6-Diamino-3-[p-methoxyphenyl]-...	270	C13H14N6O	058791-70-1	64





Data Path : Z:\HPCHEM1\BNA G\Data\BG081517\
Data File : BG028360.D
Acq On : 16 Aug 2017 1:58
Operator : SJ/JU
Sample : I4672-05
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C0AH1

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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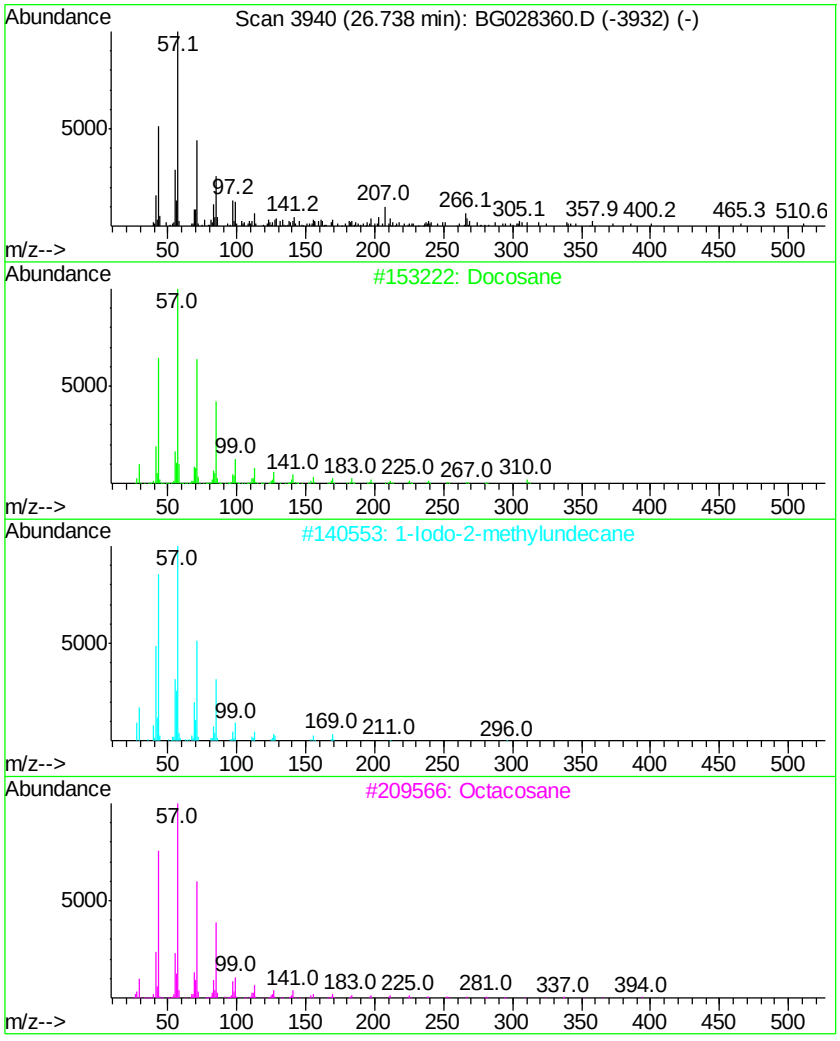
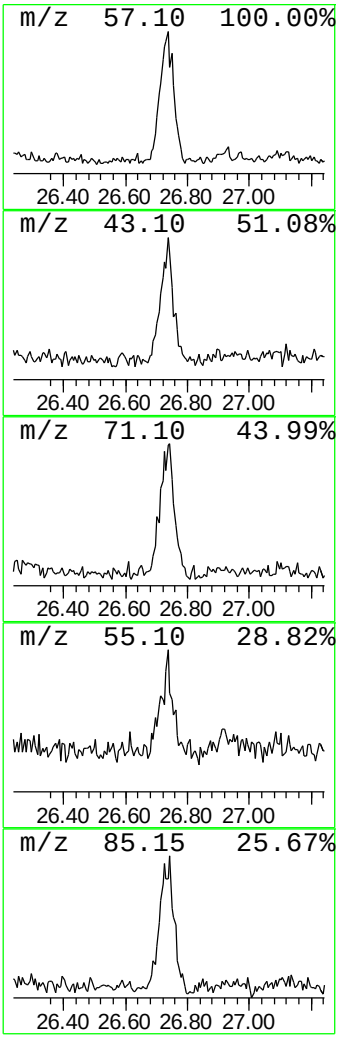
Peak Number 7 (DEL) Alkane: Straight-Chai... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
26.74	4.48 ng/ul	175510	Perylene-d12	25.56

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Docosane	310	C22H46	000629-97-0	83
2	1-Iodo-2-methylundecane	296	C12H25I	073105-67-6	64
3	Octacosane	394	C28H58	000630-02-4	62
4	Heneicosane, 11-decyl-	437	C31H64	055320-06-4	62
5	Hexatriacontane	507	C36H74	000630-06-8	58





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_G\Data\BG081517\
Data File : BG028360.D
Acq On : 16 Aug 2017 1:58
Operator : SJ/JU
Sample : I4672-05
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C0AH1

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
unknown-01	18.51	2.0	ng/ul	83721	4	17.71	829548	20.0
n-Hexadecanoic acid	18.56	12.4	ng/ul	513083	4	17.71	829548	20.0
Phenanthrene, 3-m...	18.64	2.2	ng/ul	91029	4	17.71	829548	20.0
Octadecanoic acid	19.82	6.7	ng/ul	277908	4	17.71	829548	20.0
Octacosyl trifluo...	21.61	2.6	ng/ul	147923	5	22.05	1141930	20.0
Medicarpin	22.51	2.0	ng/ul	116914	5	22.05	1141930	20.0
(DEL) Alkane: Str...	26.74	4.5	ng/ul	175510	6	25.56	784219	20.0