LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG121516\
Data File : BG025232.D
Acq On : 16 Dec 2016 4:27
Operator : UM/SJ
Sample : H5995-21
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : DA888

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\SOM02.2-EPA-BG113016.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	3.091	39	43	48	rBV7	10610	13188	0.81%	0.109%
2	3.267	69	73	77	rBV3	15581	22121	1.35%	0.182%
3	3.361	85	89	92	rBV4	11172	18393	1.13%	0.152%
4	3.602	125	130	142	rVB2	60270	109036	6.68%	0.898%
5	4.125	213	219	225	rBV3	21674	39380	2.41%	0.324%
6	4.824	335	338	342	rVB5	8714	10420	0.64%	0.086%
7	4.889	342	349	350	rBV3	6382	10332	0.63%	0.085%
8	5.294	409	418	426	rBV	64725	115429	7.07%	0.951%
9	5.383	427	433	438	rVV7	9769	21942	1.34%	0.181%
10	5.829	507	509	517	rVB6	7771	15157	0.93%	0.125%
11	5.906	519	522	529	rVB5	6870	12995	0.80%	0.107%
12	6.052	546	547	553	rVB5	7387	8579	0.53%	0.071%
13	6.211	565	574	579	rVB5	7706	20658	1.26%	0.170%
14	6.722	660	661	667	rVB4	5916	8519	0.52%	0.070%
15	6.846	674	682	686	rVB7	7022	17292	1.06%	0.142%
16	7.204	742	743	750	rVB6	7195	10091	0.62%	0.083%
17	7.304	755	760	763	rBV7	5378	8846	0.54%	0.073%
18	7.357	765	769	774	rBV8	5478	10471	0.64%	0.086%
19	7.427	774	781	788	rVB5	29609	63089	3.86%	0.520%
20	7.598	805	810	818	rBV7	8264	19110	1.17%	0.157%
21	7.815	842	847	851	rBV5	8625	11752	0.72%	0.097%
22	7.862	851	855	862	rVB8	8658	14926	0.91%	0.123%
23	8.168	901	907	911	rVV6	7269	11782	0.72%	0.097%
24	8.232	911	918	932	rVB	313224	576186	35.27%	4.748%
25	8.344	932	937	939	rBV5	7968	8948	0.55%	0.074%
26	8.450	947	955	959	rVB7	5691	14559	0.89%	0.120%
27	8.502	959	964	975	rBV7	6844	17842	1.09%	0.147%
28	8.761	1003	1008	1011	rBV6	8694	16240	0.99%	0.134%
29	8.855	1022	1024	1032	rVB6	8350	17057	1.04%	0.141%
30	9.072	1057	1061	1066	rVV6	7005	9646	0.59%	0.079%
31	9.225	1086	1087	1093	rVB6	6349	8875	0.54%	0.073%
32	9.290	1093	1098	1099	rBV4	7378	11499	0.70%	0.095%
33	9.425	1114	1121	1126	rVB9	13135	29096	1.78%	0.240%
34	9.484	1126	1131	1137	rBV7	7302	16536	1.01%	0.136%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG121516\
Data File : BG025232.D
Acq On : 16 Dec 2016 4:27
Operator : UM/SJ
Sample : H5995-21
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : DA888

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\SOM02.2-EPA-BG113016.M
Title : SVOA CALIBRATION

35	9.578	1144	1147	1150	rVB4	6719	9695	0.59%	0.080%
36	9.619	1150	1154	1158	rVB4	5460	8741	0.54%	0.072%
37	9.648	1158	1159	1164	rBV4	6472	10269	0.63%	0.085%
38	9.736	1170	1174	1177	rVB5	8498	14236	0.87%	0.117%
39	9.848	1189	1193	1200	rVB9	7000	15703	0.96%	0.129%
40	9.918	1200	1205	1207	rBV4	7033	8821	0.54%	0.073%
41	9.977	1208	1215	1218	rVB6	5168	11839	0.72%	0.098%
42	10.136	1236	1242	1243	rBV7	5091	9712	0.59%	0.080%
43	10.224	1252	1257	1261	rBV7	6370	13095	0.80%	0.108%
44	10.436	1288	1293	1295	rBV5	8578	12595	0.77%	0.104%
45	10.494	1298	1303	1307	rVB8	8572	12303	0.75%	0.101%
46	10.741	1339	1345	1354	rBV9	6856	21855	1.34%	0.180%
47	10.853	1361	1364	1370	rBV5	7797	13816	0.85%	0.114%
48	10.976	1379	1385	1391	rBV5	18677	33891	2.07%	0.279%
49	11.064	1391	1400	1413	rVV	450867	892872	54.66%	7.357%
50	11.158	1413	1416	1425	rVB8	14808	29597	1.81%	0.244%
51	11.428	1458	1462	1466	rBV6	5711	11113	0.68%	0.092%
52	11.722	1503	1512	1516	rBV9	6629	18680	1.14%	0.154%
53	12.016	1557	1562	1567	rBV5	16190	27172	1.66%	0.224%
54	12.410	1625	1629	1635	rBV4	24091	37359	2.29%	0.308%
55	12.457	1636	1637	1642	rVB5	8731	11210	0.69%	0.092%
56	12.562	1651	1655	1658	rBV6	7560	8743	0.54%	0.072%
57	12.703	1673	1679	1693	rVB3	45411	126583	7.75%	1.043%
58	12.921	1710	1716	1721	rVB2	39917	60866	3.73%	0.502%
59	12.980	1722	1726	1732	rVB9	14718	29403	1.80%	0.242%
60	13.044	1733	1737	1741	rBV7	7507	10259	0.63%	0.085%
61	13.203	1759	1764	1771	rVB10	20030	33083	2.03%	0.273%
62	13.297	1775	1780	1784	rVB7	13460	21782	1.33%	0.179%
63	13.344	1784	1788	1795	rBV5	30823	49538	3.03%	0.408%
64	13.444	1801	1805	1810	rVB7	15749	26370	1.61%	0.217%
65	13.544	1818	1822	1826	rVB6	11690	19727	1.21%	0.163%
66	13.638	1829	1838	1843	rBV2	43161	75113	4.60%	0.619%
67	13.691	1843	1847	1854	rBV8	20266	39396	2.41%	0.325%
68	13.785	1861	1863	1868	rVB6	13342	16466	1.01%	0.136%
69	13.837	1868	1872	1876	rBV7	8530	14762	0.90%	0.122%
70	13.896	1877	1882	1890	rVB7	11242	30612	1.87%	0.252%
71	14.025	1898	1904	1911	rVB7	29364	72351	4.43%	0.596%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG121516\
Data File : BG025232.D
Acq On : 16 Dec 2016 4:27
Operator : UM/SJ
Sample : H5995-21
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : DA888

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\SOM02.2-EPA-BG113016.M
Title : SVOA CALIBRATION

72	14.172	1923	1929	1934	rBV3	47395	90876	5.56%	0.749%
73	14.231	1935	1939	1943	rVV4	34392	44563	2.73%	0.367%
74	14.290	1944	1949	1963	rVB2	123431	241788	14.80%	1.992%
75	14.413	1963	1970	1975	rBV7	41612	95685	5.86%	0.788%
76	14.578	1994	1998	2005	rBV7	24168	39150	2.40%	0.323%
77	14.695	2013	2018	2024	rVB3	66278	96184	5.89%	0.793%
78	14.854	2034	2045	2053	rBV	777683	1287341	78.81%	10.608%
79	15.060	2074	2080	2087	rBV9	22288	50396	3.09%	0.415%
80	15.124	2087	2091	2099	rBV9	19732	50267	3.08%	0.414%
81	15.189	2100	2102	2105	rVV4	12828	11320	0.69%	0.093%
82	15.242	2106	2111	2118	rVV5	44453	106755	6.54%	0.880%
83	15.312	2118	2123	2130	rVB7	42319	79819	4.89%	0.658%
84	15.371	2130	2133	2141	rBV9	19090	31430	1.92%	0.259%
85	15.459	2143	2148	2153	rBV6	36574	73383	4.49%	0.605%
86	15.512	2153	2157	2166	rVB8	36263	72969	4.47%	0.601%
87	15.641	2167	2179	2187	rVV3	112514	266910	16.34%	2.199%
88	15.882	2217	2220	2223	rVB4	32224	39597	2.42%	0.326%
89	16.041	2242	2247	2252	rBV4	52201	103862	6.36%	0.856%
90	16.182	2268	2271	2278	rVB6	34177	66592	4.08%	0.549%
91	16.334	2293	2297	2303	rBV3	38288	69944	4.28%	0.576%
92	16.523	2321	2329	2342	rVB	187825	481096	29.45%	3.964%
93	17.292	2456	2460	2465	rBV3	113688	152690	9.35%	1.258%
94	17.604	2506	2513	2518	rBV	860789	1461824	89.49%	12.045%
95	18.032	2582	2586	2591	rVB3	129298	188370	11.53%	1.552%
96	18.438	2651	2655	2658	rBV3	86669	129751	7.94%	1.069%
97	19.337	2805	2808	2811	rBV	108138	160572	9.83%	1.323%
98	21.716	3210	3213	3219	rVB	345870	494078	30.25%	4.071%
99	21.899	3238	3244	3250	rVB	955023	1633453	100.00%	13.459%
100	25.318	3821	3826	3837	rVB3	492708	1335776	81.78%	11.007%

Sum of corrected areas: 12136061

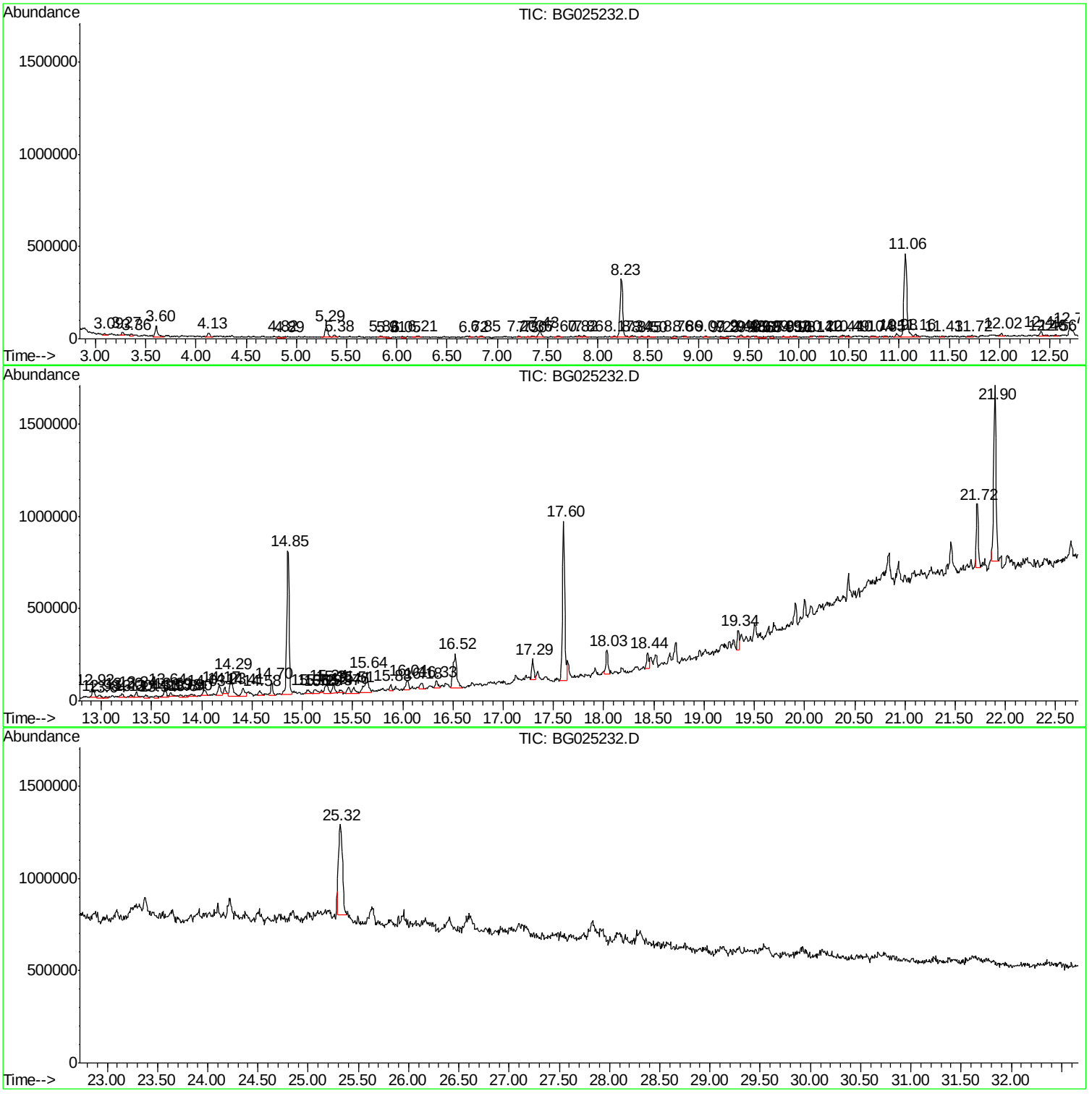
LSC Report - Integrated Chromatogram

Data Path : Z:\HPCHEM1\BNA G\DATA\BG121516\
Data File : BG025232.D
Acq On : 16 Dec 2016 4:27
Operator : UM/SJ
Sample : H5995-21
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : DA888

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG113016.M
Quant Title : SVOA CALIBRATION

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



Data Path : Z:\HPCHEM1\BNA G\DATA\BG121516\
Data File : BG025232.D
Acq On : 16 Dec 2016 4:27
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Instrument : BNA_G
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Quant Title : SVOA CALIBRATION

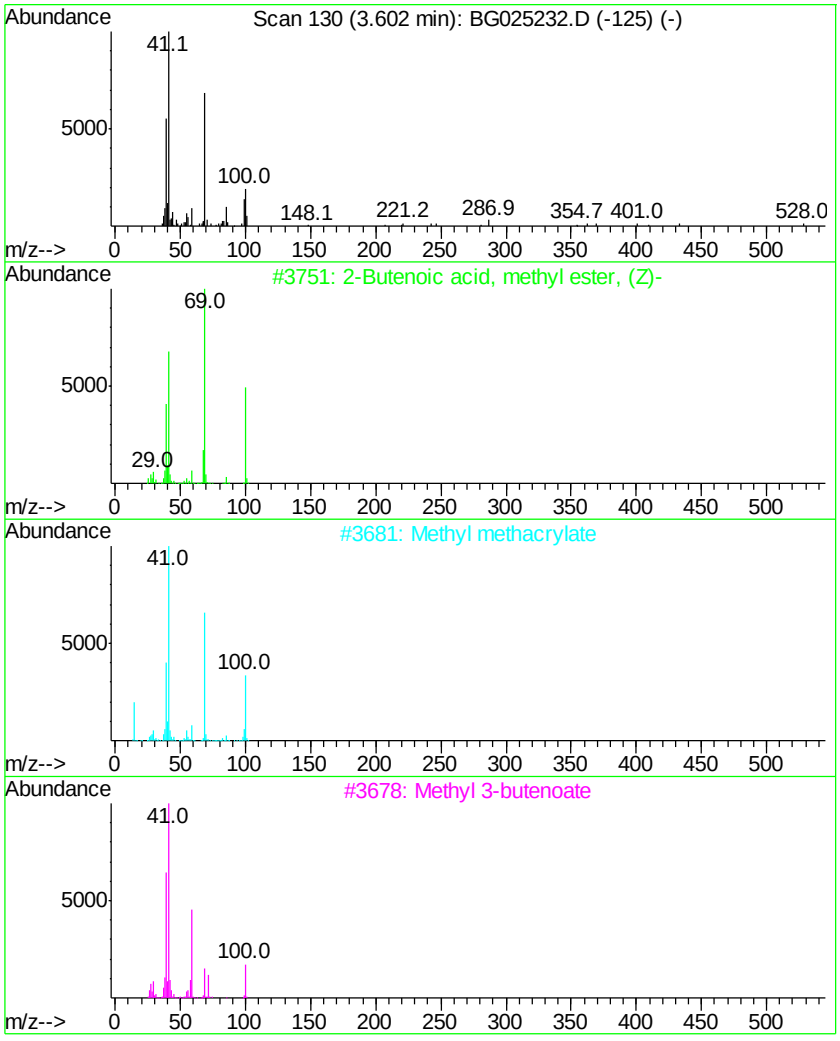
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

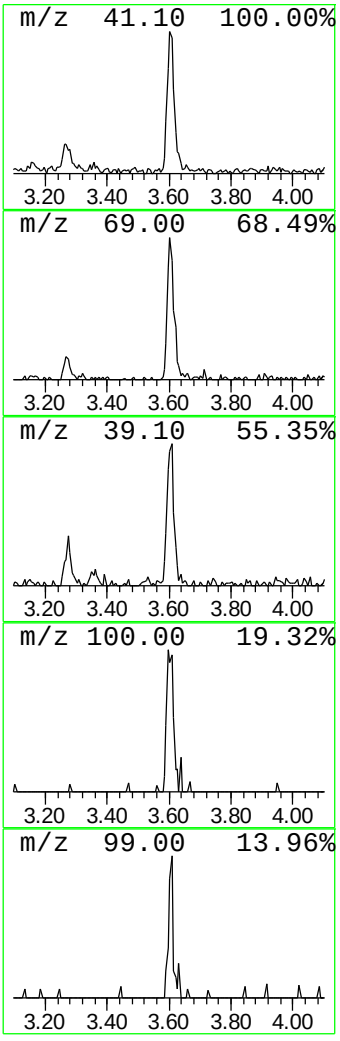
****

Peak Number 1 2-Butenoic acid, methyl est... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.60	3.78 ng/ul	109036	1,4-Dichlorobenzene-d4	8.24

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Butenoic acid, methyl ester, (Z)-	100	C5H8O2	004358-59-2	53
2	Methyl methacrylate	100	C5H8O2	000080-62-6	53
3	Methyl 3-butenoate	100	C5H8O2	003724-55-8	47
4	Methyl methacrylate	100	C5H8O2	000080-62-6	38
5	Allyl trifluoroacetate	154	C5H5F3O2	000383-67-5	37





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG121516\
Data File : BG025232.D
Acq On : 16 Dec 2016 4:27
Operator : UM/SJ
Sample : H5995-21
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : DA888

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG113016.M
Quant Title : SVOA CALIBRATION

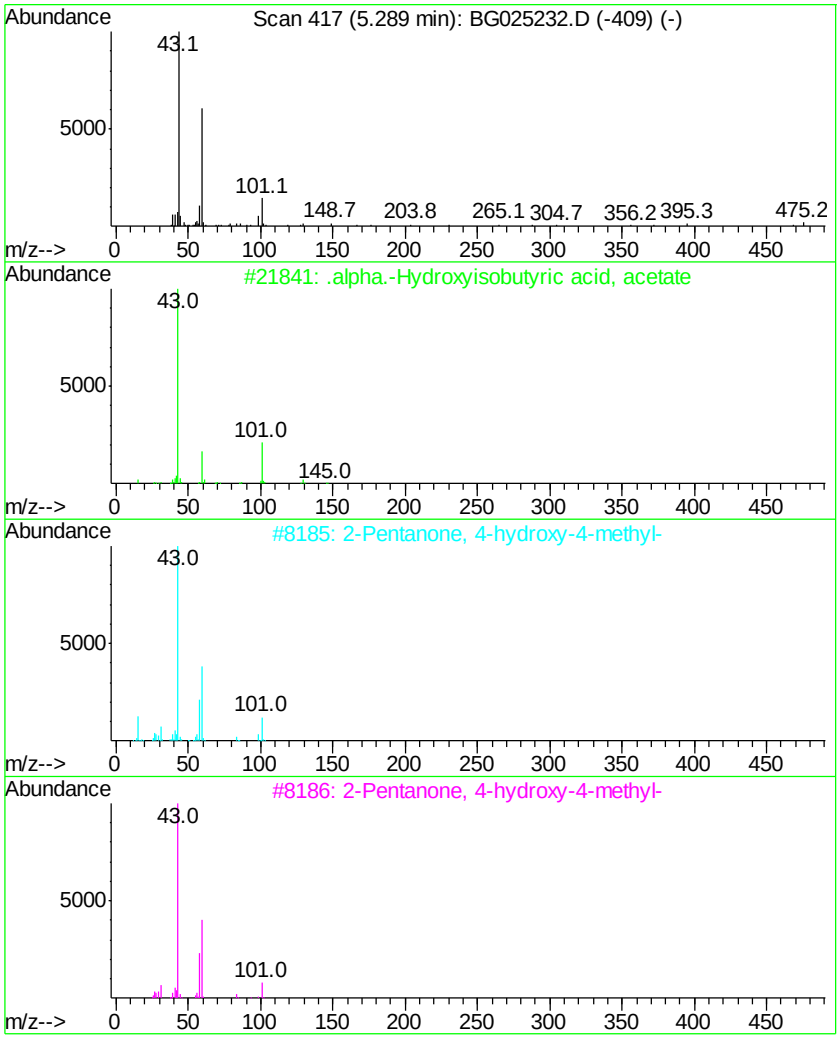
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

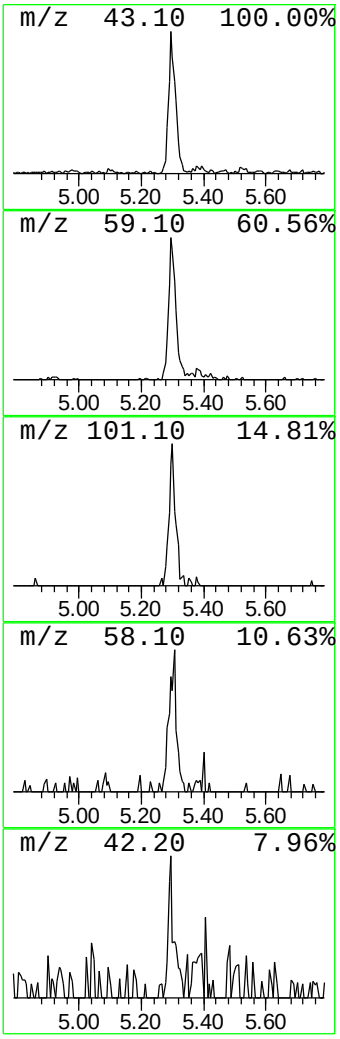
****

Peak Number 2 unknown-01 Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.29	4.01 ng/ul	115429	1,4-Dichlorobenzene-d4	8.24

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	.alpha.-Hydroxyisobutyric acid, ...	146	C6H10O4	1000374-31-3	42
2	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	42
3	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	36
4	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	32
5	3-Octanol	130	C8H18O	000589-98-0	28





Library Search Compound Report

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Data File : BG025232.D
Acq On : 16 Dec 2016 4:27
Operator : UM/SJ
Sample : H5995-21
Misc :
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Instrument : BNA_G
ClientSampleId : DA888

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG113016.M
Quant Title : SVOA CALIBRATION

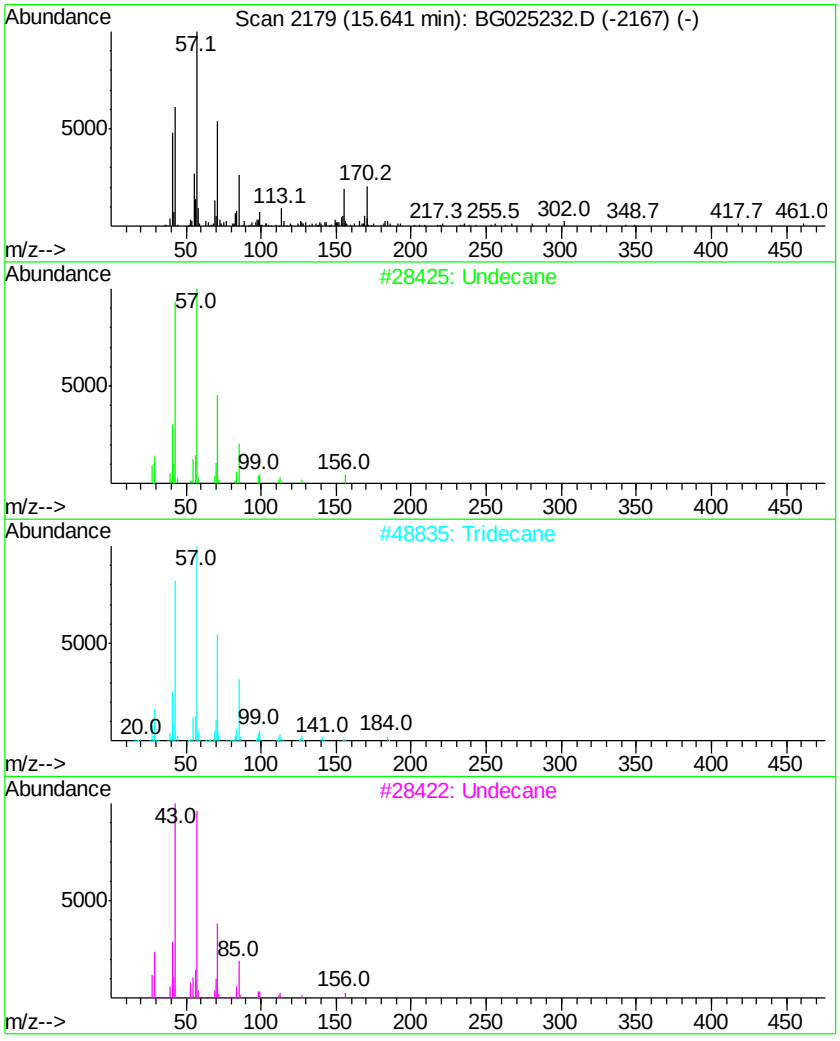
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

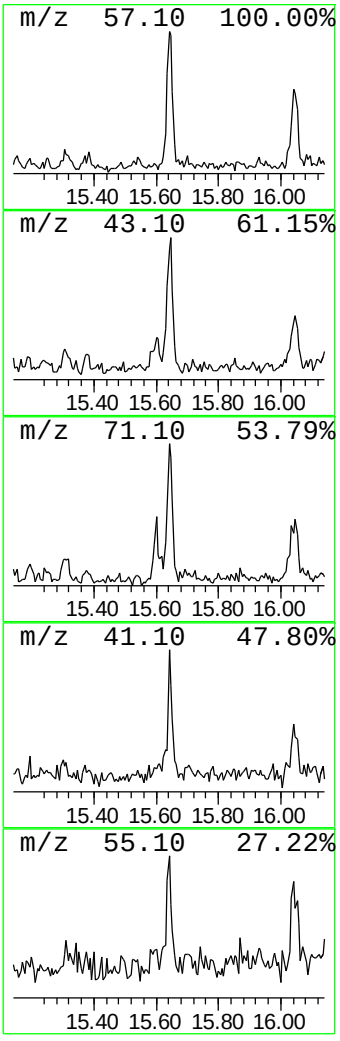
****

Peak Number 3 (DEL) Alkane: Straight-Chai... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.64	4.15 ng/ul	266910	Acenaphthene-d10	14.86

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Undecane	156	C11H24	001120-21-4	49
2	Tridecane	184	C13H28	000629-50-5	49
3	Undecane	156	C11H24	001120-21-4	49
4	Tridecane	184	C13H28	000629-50-5	49
5	Tridecane, 1-iodo-	310	C13H27I	035599-77-0	47





Data Path : Z:\HPCHEM1\BNA G\DATA\BG121516\
Data File : BG025232.D
Acq On : 16 Dec 2016 4:27
Operator : UM/SJ
Sample : H5995-21
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : DA888

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG113016.M
Quant Title : SVOA CALIBRATION

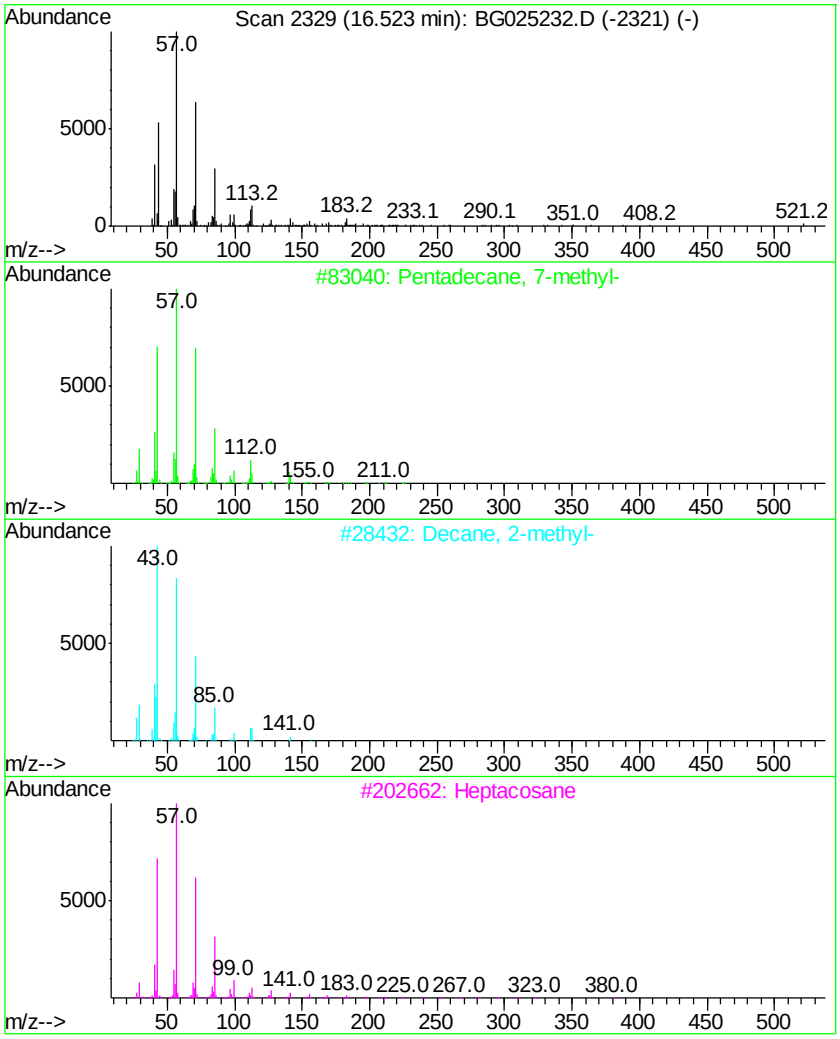
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

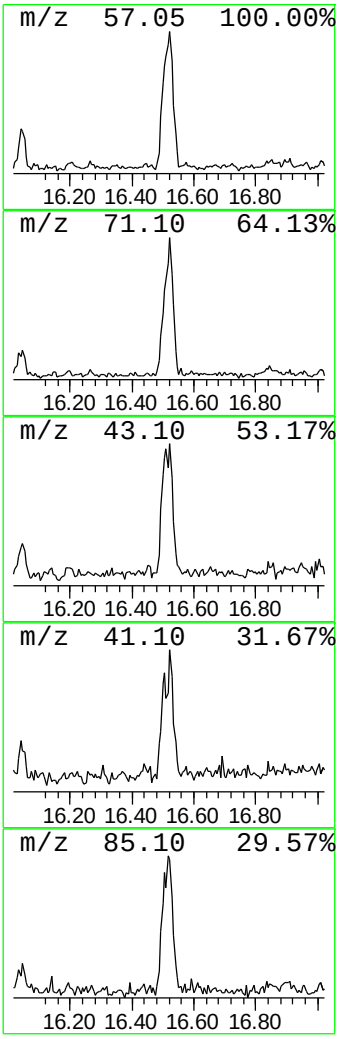
****

Peak Number 4 (DEL) Alkane: Straight-Chai... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.52	6.58 ng/ul	481096	Phenanthrene-d10	17.60

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentadecane, 7-methyl-	226	C16H34	006165-40-8	90
2	Decane, 2-methyl-	156	C11H24	006975-98-0	87
3	Heptacosane	380	C27H56	000593-49-7	86
4	Tridecane, 2-methyl-	198	C14H30	001560-96-9	83
5	Heptadecane, 2,6,10,15-tetramethyl-	296	C21H44	054833-48-6	81





Data Path : Z:\HPCHEM1\BNA G\DATA\BG121516\
Data File : BG025232.D
Acq On : 16 Dec 2016 4:27
Operator : UM/SJ
Sample : H5995-21
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : DA888

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG113016.M
Quant Title : SVOA CALIBRATION

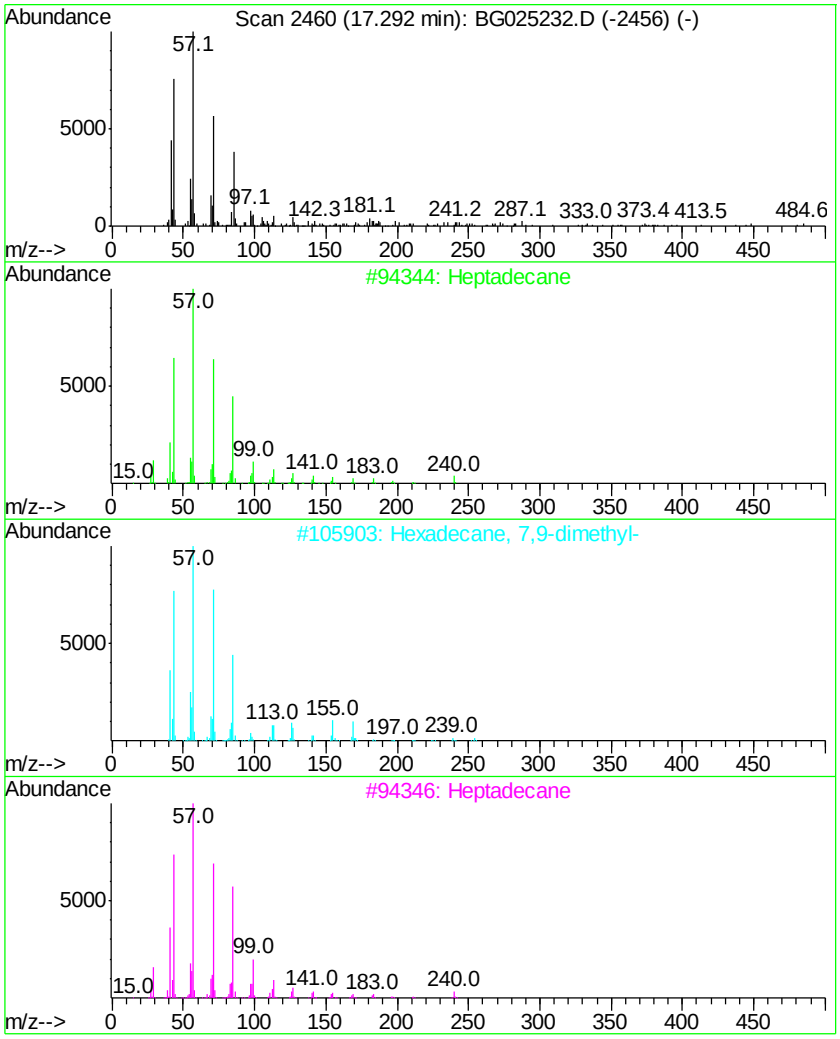
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

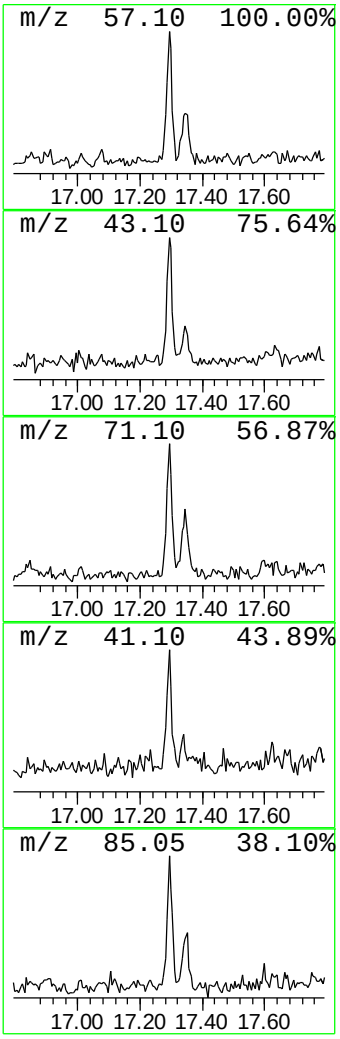
****

Peak Number 5 (DEL) Alkane: Straight-Chai... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.29	2.09 ng/ul	152690	Phenanthrene-d10	17.60

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptadecane	240	C17H36	000629-78-7	87
2	Hexadecane, 7,9-dimethyl-	254	C18H38	021164-95-4	83
3	Heptadecane	240	C17H36	000629-78-7	83
4	Hexadecane	226	C16H34	000544-76-3	83
5	Dodecane	170	C12H26	000112-40-3	80





Data Path : Z:\HPCHEM1\BNA G\DATA\BG121516\
Data File : BG025232.D
Acq On : 16 Dec 2016 4:27
Operator : UM/SJ
Sample : H5995-21
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : DA888

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG113016.M
Quant Title : SVOA CALIBRATION

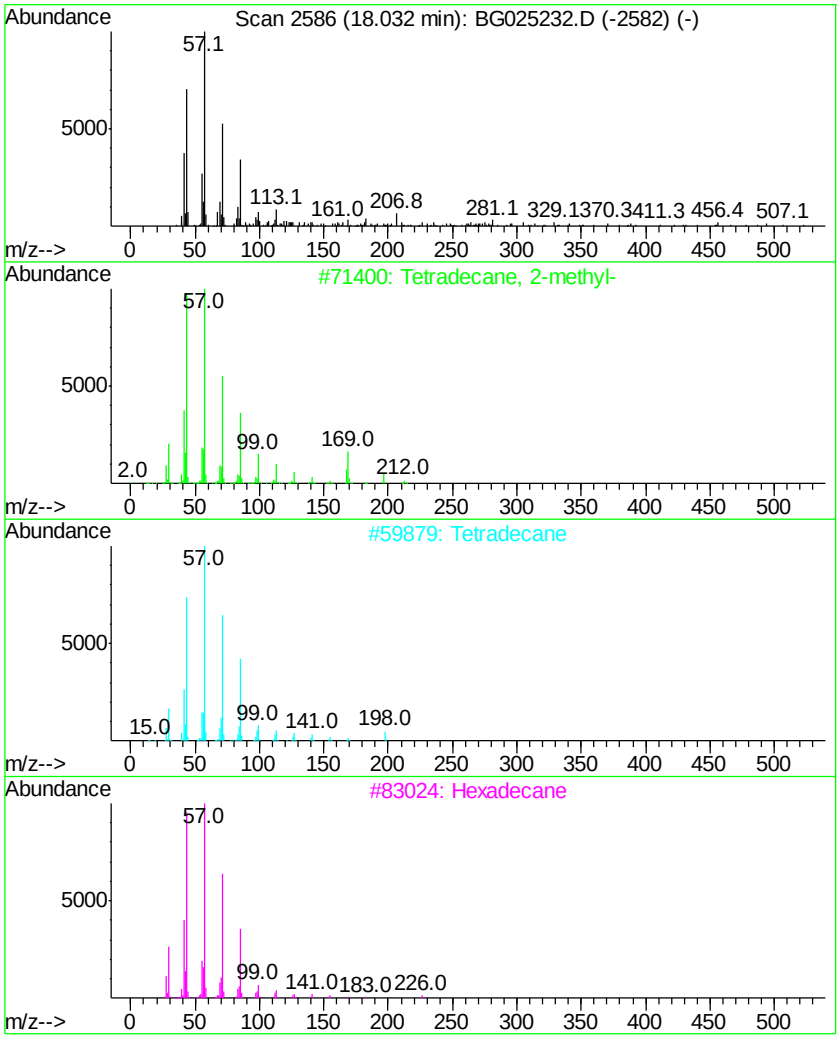
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

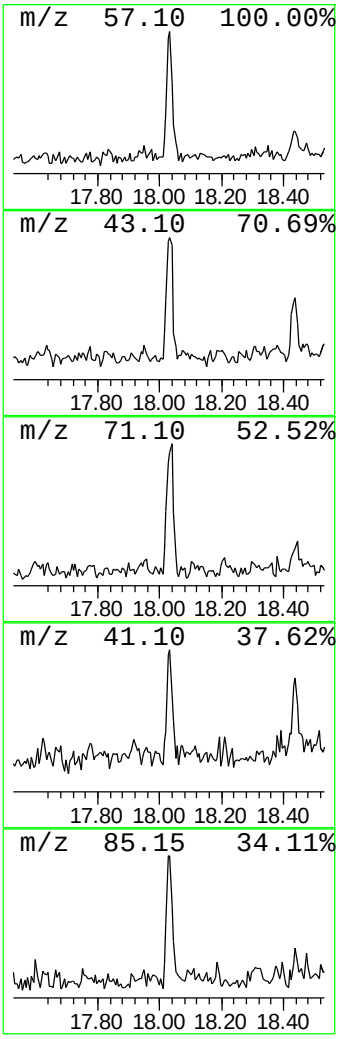
****

Peak Number 6 (DEL) Alkane: Straight-Chai... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.03	2.58 ng/ul	188370	Phenanthrene-d10	17.60

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tetradecane, 2-methyl-	212	C15H32	001560-95-8	81
2	Tetradecane	198	C14H30	000629-59-4	74
3	Hexadecane	226	C16H34	000544-76-3	74
4	Hexadecane	226	C16H34	000544-76-3	74
5	Sulfurous acid, butyl nonyl ester	264	C13H28O3S	1000309-17-6	72





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG121516\
Data File : BG025232.D
Acq On : 16 Dec 2016 4:27
Operator : UM/SJ
Sample : H5995-21
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : DA888

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG113016.M
Quant Title : SVOA CALIBRATION

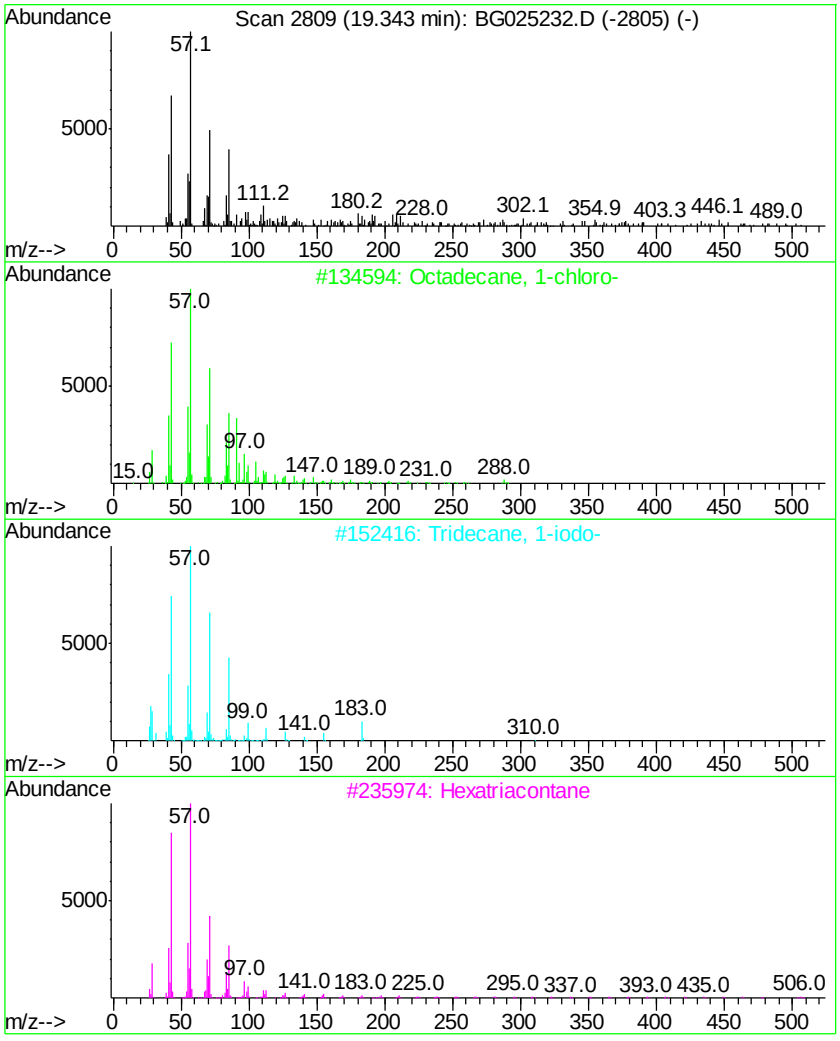
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

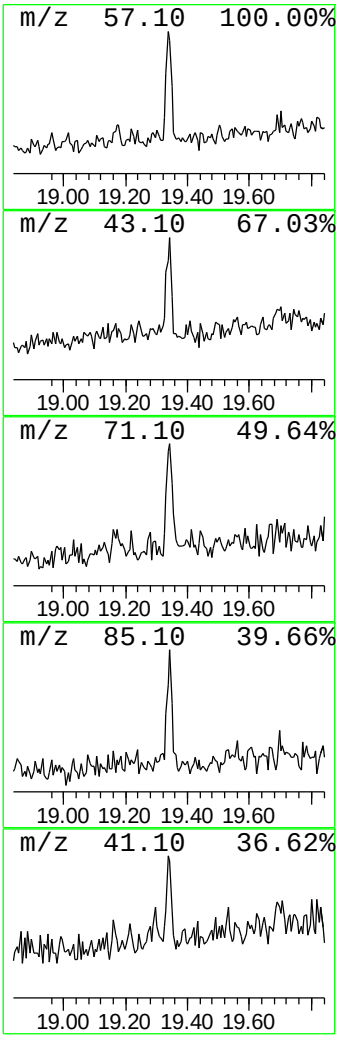
****

Peak Number 7 Octadecane, 1-chloro- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.34	2.20 ng/ul	160572	Phenanthrene-d10	17.60

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octadecane, 1-chloro-	288	C18H37Cl	003386-33-2	76
2	Tridecane, 1-iodo-	310	C13H27I	035599-77-0	64
3	Hexatriacontane	507	C36H74	000630-06-8	64
4	Dotriacontane	451	C32H66	000544-85-4	59
5	Eicosane, 3-methyl-	296	C21H44	006418-46-8	59





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG121516\
Data File : BG025232.D
Acq On : 16 Dec 2016 4:27
Operator : UM/SJ
Sample : H5995-21
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : DA888

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG113016.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
2-Butenoic acid, ...	3.60	3.8	ng/ul	109036	1	8.24	576186	20.0
unknown-01	5.29	4.0	ng/ul	115429	1	8.24	576186	20.0
(DEL) Alkane: Str...	15.64	4.2	ng/ul	266910	3	14.86	1287340	20.0
(DEL) Alkane: Str...	16.52	6.6	ng/ul	481096	4	17.60	1461820	20.0
(DEL) Alkane: Str...	17.29	2.1	ng/ul	152690	4	17.60	1461820	20.0
(DEL) Alkane: Str...	18.03	2.6	ng/ul	188370	4	17.60	1461820	20.0
Octadecane, 1-chl...	19.34	2.2	ng/ul	160572	4	17.60	1461820	20.0