LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG121216\
Data File : BG025139.D
Acq On : 13 Dec 2016 7:15
Operator : UM/SJ
Sample : H5993-06
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : P036-SS025-0612-03

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	3.279	70	75	84	rVB	103649	161666	5.11%	0.404%
2	3.367	84	90	100	rVB3	58483	116329	3.68%	0.291%
3	3.596	124	129	135	rVB5	19786	30277	0.96%	0.076%
4	3.937	183	187	194	rVB8	8818	15575	0.49%	0.039%
5	4.031	199	203	209	rVB6	12744	21340	0.67%	0.053%
6	4.137	209	221	230	rBV	87385	155060	4.90%	0.388%
7	4.207	230	233	237	rBV6	8146	11935	0.38%	0.030%
8	4.366	256	260	265	rBV8	13705	20766	0.66%	0.052%
9	4.542	286	290	297	rBV6	6179	14670	0.46%	0.037%
10	4.648	306	308	315	rVB6	7264	14019	0.44%	0.035%
11	4.924	351	355	367	rVB8	15785	36391	1.15%	0.091%
12	5.095	374	384	386	rBV7	8090	20421	0.65%	0.051%
13	5.189	394	400	402	rBV5	12598	17479	0.55%	0.044%
14	5.306	416	420	427	rBV4	16669	33091	1.05%	0.083%
15	5.394	429	435	445	rBV5	27278	58150	1.84%	0.145%
16	5.582	462	467	470	rBV6	5576	13219	0.42%	0.033%
17	5.665	473	481	483	rVB7	6070	13658	0.43%	0.034%
18	6.434	604	612	616	rVB6	5136	13167	0.42%	0.033%
19	6.851	679	683	686	rBV3	6358	10957	0.35%	0.027%
20	7.216	742	745	755	rVB7	15317	32084	1.01%	0.080%
21	7.398	768	776	791	rVB	528912	1090391	34.45%	2.727%
22	7.556	796	803	814	rVB	339586	605985	19.15%	1.515%
23	7.662	818	821	826	rVB6	8876	12189	0.39%	0.030%
24	7.774	832	840	853	rBV	488320	935329	29.55%	2.339%
25	8.003	871	879	882	rBV6	6104	13588	0.43%	0.034%
26	8.097	890	895	902	rVB7	6892	13433	0.42%	0.034%
27	8.250	909	921	933	rVB	536384	994788	31.43%	2.488%
28	8.391	940	945	950	rVB6	6741	12435	0.39%	0.031%
29	8.450	950	955	960	rVB5	7854	13506	0.43%	0.034%
30	8.955	1033	1041	1049	rBV	588675	1116541	35.28%	2.792%
31	9.125	1068	1070	1077	rVB7	8366	16812	0.53%	0.042%
32	9.425	1111	1121	1129	rBV	500788	973879	30.77%	2.435%
33	9.501	1130	1134	1142	rBV7	9952	17684	0.56%	0.044%
34	9.913	1199	1204	1210	rBV6	7679	17242	0.54%	0.043%

LSC Area Percent Report

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Data File : BG025139.D
Acq On : 13 Dec 2016 7:15
Operator : UM/SJ
Sample : H5993-06
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : P036-SS025-0612-03

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	10.077	1228	1232	1236	rBV5	5673	11685	0.37%	0.029%
36	10.153	1236	1245	1255	rVB2	452594	892020	28.18%	2.231%
37	10.353	1273	1279	1280	rBV4	6567	10555	0.33%	0.026%
38	10.694	1329	1337	1352	rVV2	656333	1251787	39.55%	3.130%
39	11.076	1394	1402	1415	rVB	749416	1417216	44.78%	3.544%
40	11.217	1415	1426	1447	rVB2	141664	351993	11.12%	0.880%
41	11.487	1468	1472	1475	rBV4	7185	11388	0.36%	0.028%
42	11.834	1524	1531	1536	rBV10	10933	26523	0.84%	0.066%
43	12.028	1561	1564	1567	rBV4	8686	13776	0.44%	0.034%
44	12.239	1595	1600	1605	rBV9	7239	10864	0.34%	0.027%
45	12.292	1605	1609	1614	rVB7	5539	11222	0.35%	0.028%
46	12.515	1644	1647	1651	rBV5	8625	10323	0.33%	0.026%
47	12.639	1662	1668	1676	rVB5	19367	46309	1.46%	0.116%
48	12.709	1676	1680	1683	rBV5	9384	19331	0.61%	0.048%
49	12.921	1713	1716	1718	rBV4	10153	12969	0.41%	0.032%
50	13.209	1763	1765	1771	rBV6	15190	21398	0.68%	0.054%
51	13.367	1788	1792	1797	rVB8	12028	17364	0.55%	0.043%
52	13.461	1804	1808	1814	rVB9	12367	27428	0.87%	0.069%
53	13.526	1816	1819	1822	rBV5	13438	14458	0.46%	0.036%
54	13.638	1832	1838	1844	rVB9	14119	32872	1.04%	0.082%
55	13.726	1846	1853	1859	rBV4	52226	102355	3.23%	0.256%
56	13.896	1878	1882	1886	rVB7	8730	12903	0.41%	0.032%
57	13.996	1896	1899	1902	rBV4	9721	13848	0.44%	0.035%
58	14.037	1902	1906	1911	rVB8	17628	28670	0.91%	0.072%
59	14.125	1918	1921	1924	rBV5	12270	14082	0.44%	0.035%
60	14.184	1925	1931	1936	rVV9	14695	35409	1.12%	0.089%
61	14.260	1936	1944	1948	rVV	1141733	1738888	54.94%	4.348%
62	14.307	1948	1952	1961	rVB	429277	670048	21.17%	1.676%
63	14.425	1970	1972	1976	rVB5	11182	12128	0.38%	0.030%
64	14.566	1988	1996	2006	rBV	1193979	2020158	63.83%	5.052%
65	14.689	2012	2017	2024	rVB	22694	54555	1.72%	0.136%
66	14.871	2036	2048	2055	rBV	1182456	1926898	60.88%	4.818%
67	14.936	2055	2059	2065	rVB8	36845	65310	2.06%	0.163%
68	15.077	2075	2083	2095	rBV2	427822	817542	25.83%	2.044%
69	15.236	2102	2110	2123	rVB2	40647	123865	3.91%	0.310%
70	15.330	2124	2126	2131	rVB6	18075	27417	0.87%	0.069%
71	15.459	2144	2148	2152	rBV7	28628	63162	2.00%	0.158%

LSC Area Percent Report

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Data File : BG025139.D
Acq On : 13 Dec 2016 7:15
Operator : UM/SJ
Sample : H5993-06
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : P036-SS025-0612-03

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	15.624	2170	2176	2177	rBV4	34339	57688	1.82%	0.144%
73	15.659	2179	2182	2188	rVB5	38570	62820	1.98%	0.157%
74	15.806	2203	2207	2208	rBV4	20223	22670	0.72%	0.057%
75	15.859	2208	2216	2226	rVV	1543763	2515631	79.48%	6.291%
76	15.982	2232	2237	2245	rVB2	448657	678622	21.44%	1.697%
77	16.052	2245	2249	2253	rBV7	22522	45497	1.44%	0.114%
78	16.264	2281	2285	2292	rVB10	14478	32337	1.02%	0.081%
79	16.317	2292	2294	2295	rBV2	14446	10418	0.33%	0.026%
80	16.358	2297	2301	2308	rVB10	30211	68102	2.15%	0.170%
81	16.511	2324	2327	2335	rBV6	41170	69626	2.20%	0.174%
82	16.705	2357	2360	2365	rVB7	16259	21854	0.69%	0.055%
83	16.957	2399	2403	2411	rBV7	47119	79785	2.52%	0.200%
84	17.310	2460	2463	2467	rVB5	40487	55762	1.76%	0.139%
85	17.615	2508	2515	2520	rBV	1285767	2119718	66.97%	5.301%
86	17.656	2520	2522	2526	rVV	206758	259607	8.20%	0.649%
87	17.715	2526	2532	2544	rVB	1508779	2529488	79.92%	6.325%
88	17.944	2566	2571	2578	rBV2	252177	445390	14.07%	1.114%
89	18.050	2585	2589	2591	rVB3	54479	74518	2.35%	0.186%
90	18.326	2633	2636	2644	rVB10	50774	89149	2.82%	0.223%
91	18.450	2653	2657	2665	rBV2	326854	548795	17.34%	1.372%
92	18.532	2669	2671	2677	rVB7	80857	94679	2.99%	0.237%
93	19.296	2796	2801	2808	rBV	436679	763571	24.13%	1.909%
94	19.648	2857	2861	2867	rVB	259163	374982	11.85%	0.938%
95	19.713	2868	2872	2875	rBV6	91357	137200	4.33%	0.343%
96	19.989	2912	2919	2929	rBV2	1796793	3165012	100.00%	7.915%
97	21.481	3170	3173	3178	rVB5	204717	284304	8.98%	0.711%
98	21.910	3240	3246	3260	rVB	1416497	2874277	90.81%	7.188%
99	25.112	3785	3791	3804	rVB2	661493	1978608	62.52%	4.948%
100	25.359	3825	3833	3845	rVB2	600056	1946798	61.51%	4.868%

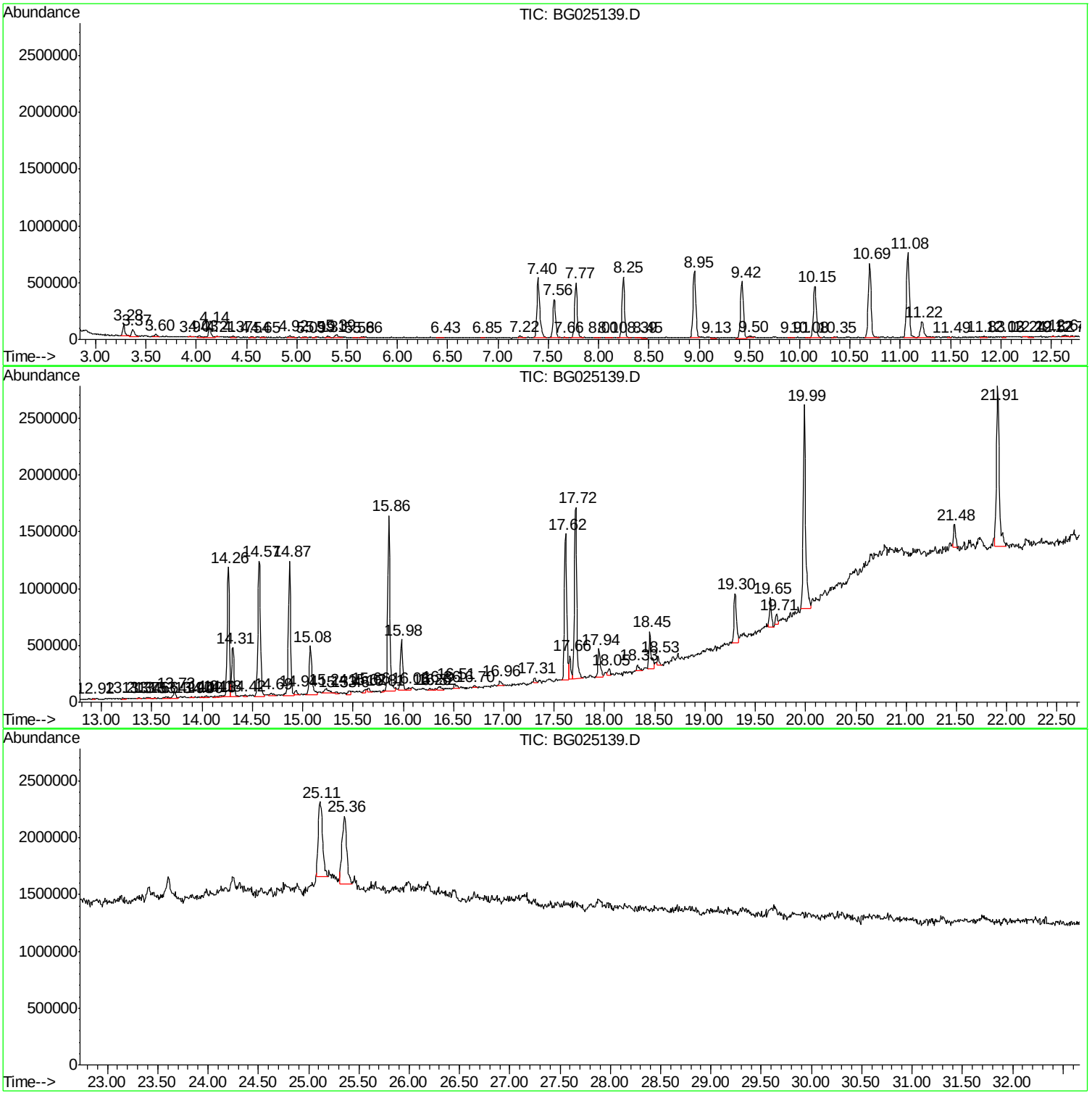
Sum of corrected areas: 39989683

Data Path : Z:\HPCHEM1\BNA G\DATA\BG121216\
Data File : BG025139.D
Acq On : 13 Dec 2016 7:15
Operator : UM/SJ
Sample : H5993-06
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
P036-SS025-0612-03

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



Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG121216\
Data File : BG025139.D
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Instrument : BNA_G
ClientSampleId : P036-SS025-0612-03

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

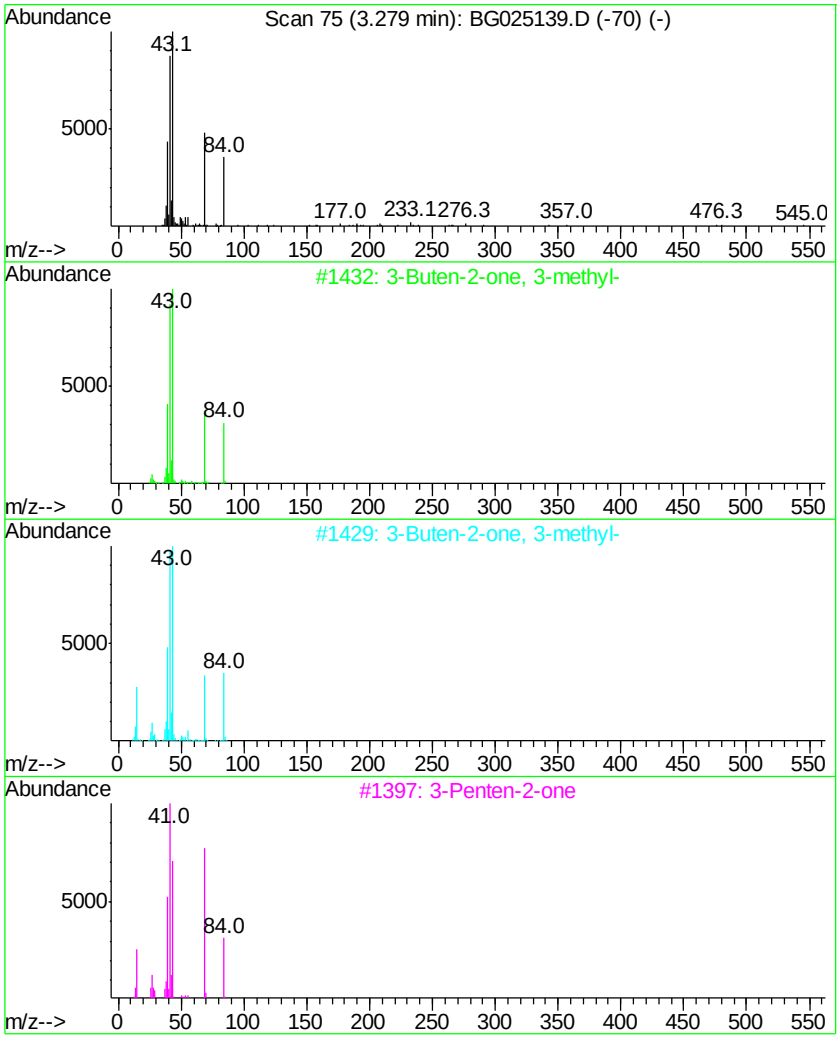
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

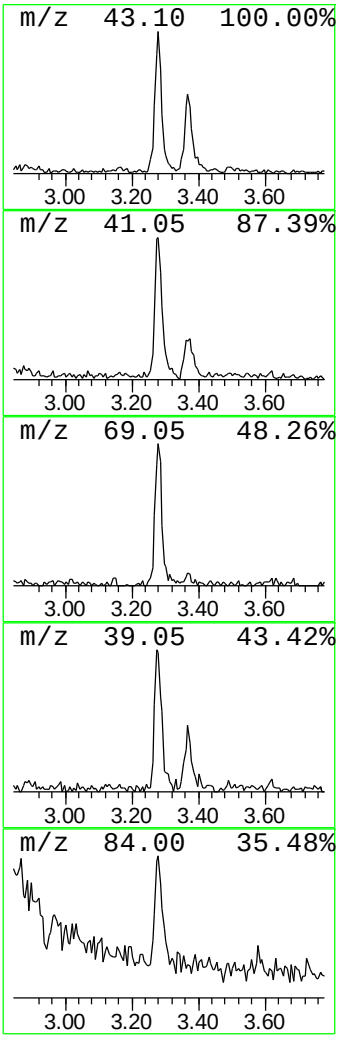
****

Peak Number 1 3-Buten-2-one, 3-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.28	3.25 ng/ul	161666	1,4-Dichlorobenzene-d4	8.25

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Buten-2-one, 3-methyl-	84	C5H8O	000814-78-8	64
2	3-Buten-2-one, 3-methyl-	84	C5H8O	000814-78-8	53
3	3-Penten-2-one	84	C5H8O	000625-33-2	45
4	Ethanone, 1-cyclopropyl-	84	C5H8O	000765-43-5	40
5	Allyl trifluoroacetate	154	C5H5F3O2	000383-67-5	25





Data Path : Z:\HPCHEM1\BNA G\DATA\BG121216\
Data File : BG025139.D
Acq On : 13 Dec 2016 7:15
Operator : UM/SJ
Sample : H5993-06
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : P036-SS025-0612-03

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

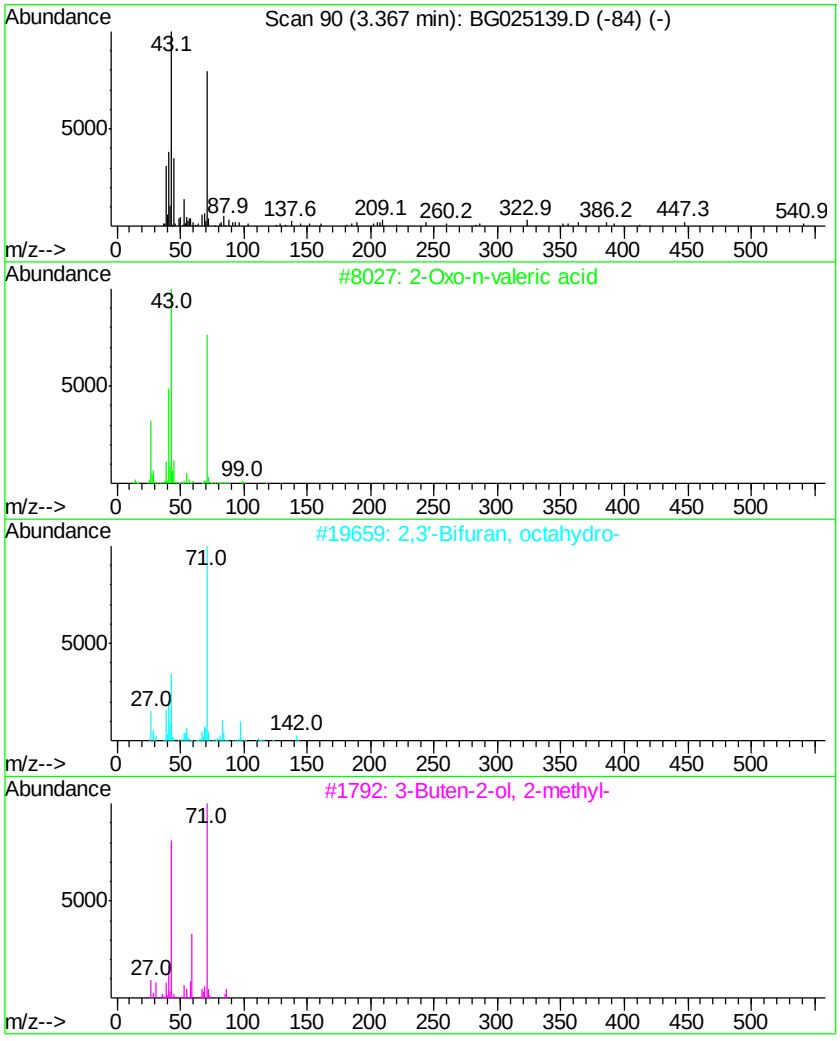
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

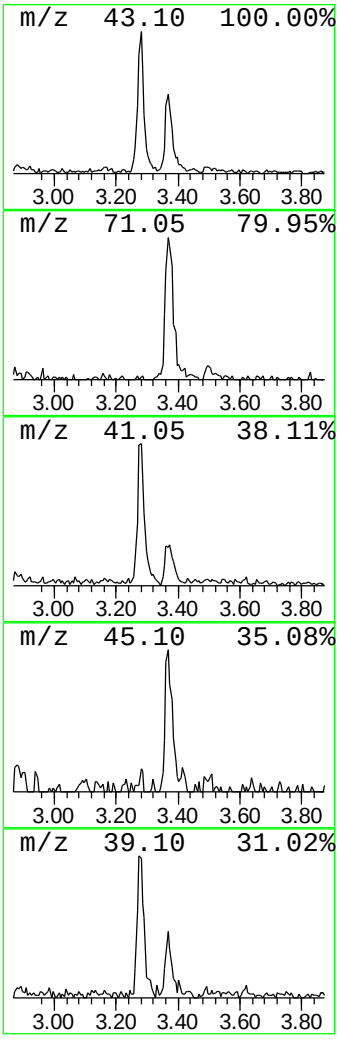
****

Peak Number 2 2-Oxo-n-valeric acid Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.37	2.34 ng/ul	116329	1,4-Dichlorobenzene-d4	8.25

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Oxo-n-valeric acid	116	C5H8O3	001821-02-9	53
2	2,3'-Bifuran, octahydro-	142	C8H14O2	073373-15-6	50
3	3-Buten-2-ol, 2-methyl-	86	C5H10O	000115-18-4	50
4	2-Furanmethanol, tetrahydro-, ac...	144	C7H12O3	000637-64-9	50
5	Pentane, 3-bromo-	150	C5H11Br	001809-10-5	40





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG121216\
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Acq On : 13 Dec 2016 7:15
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Sample : H5993-06
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : P036-SS025-0612-03

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

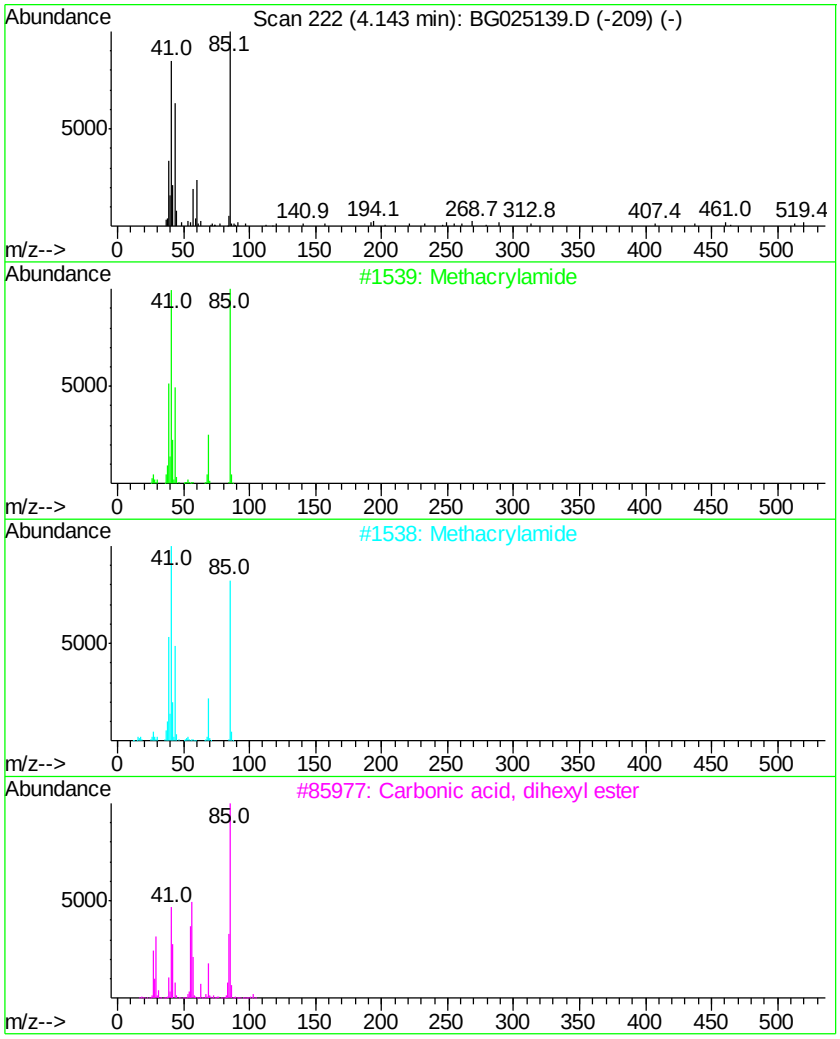
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

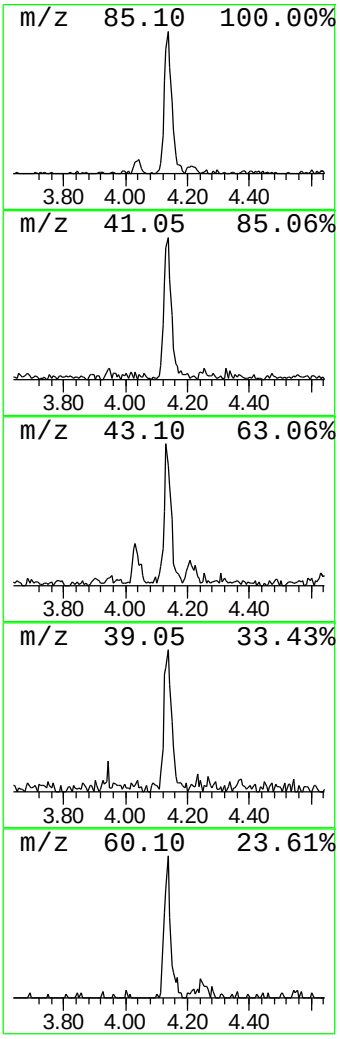
****

Peak Number 3 unknown-01 Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.14	3.12 ng/ul	155060	1,4-Dichlorobenzene-d4	8.25

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Methacrylamide	85	C4H7NO	000079-39-0	42
2	Methacrylamide	85	C4H7NO	000079-39-0	42
3	Carbonic acid, dihexyl ester	230	C13H26O3	007523-15-1	42
4	Hexane, 2-bromo-	164	C6H13Br	003377-86-4	39
5	Pentane, 2-bromo-4-methyl-	164	C6H13Br	030310-22-6	39





Data Path : Z:\HPCHEM1\BNA G\DATA\BG121216\
Data File : BG025139.D
Acq On : 13 Dec 2016 7:15
Operator : UM/SJ
Sample : H5993-06
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : P036-SS025-0612-03

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

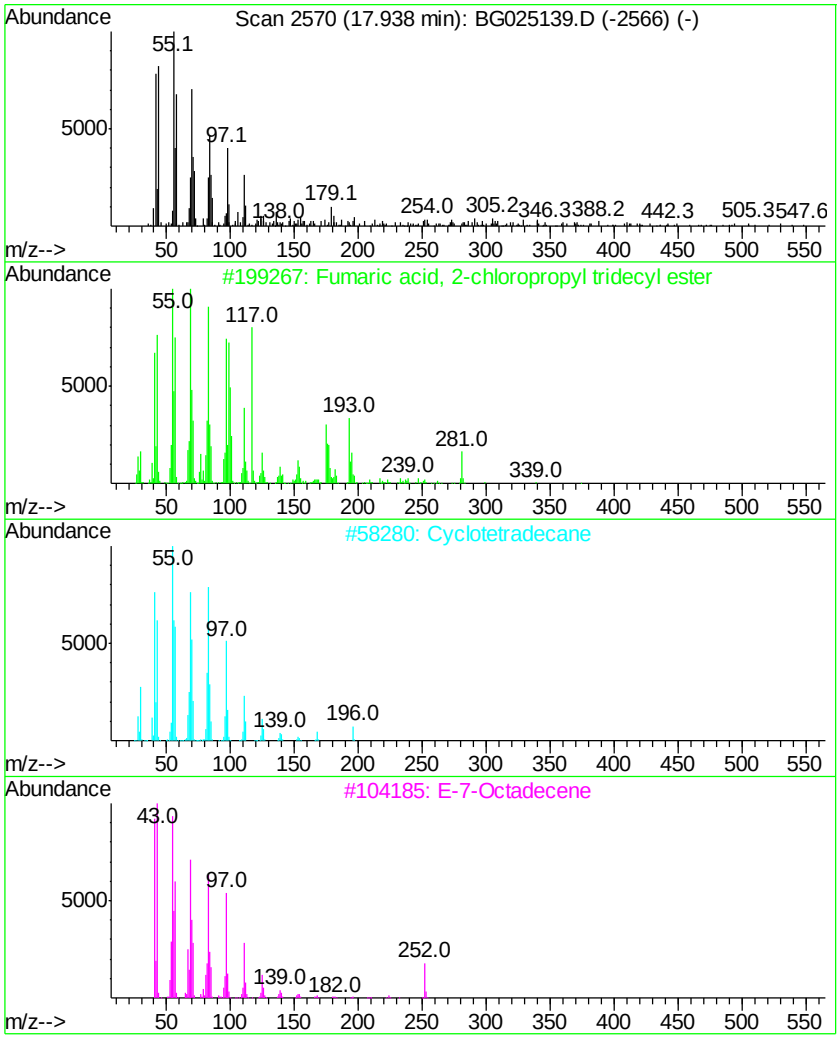
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

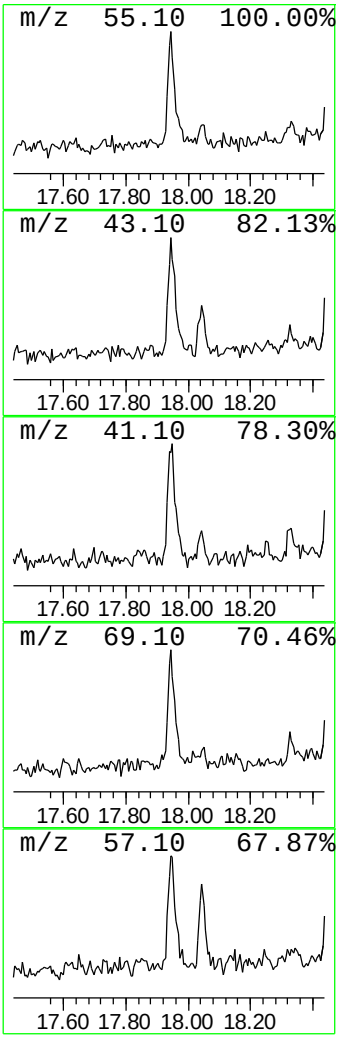
****

Peak Number 4 Fumaric acid, 2-chloropropy... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.94	4.20 ng/ul	445390	Phenanthrene-d10	17.62

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Fumaric acid, 2-chloropropyl tri...	374	C20H35ClO4	1000348-57-1	93
2	Cyclotetradecane	196	C14H28	000295-17-0	91
3	E-7-Octadecene	252	C18H36	1000130-92-0	90
4	7-Heptadecene, 1-chloro-	272	C17H33Cl	056554-78-0	90
5	1-Hexadecanol	242	C16H34O	036653-82-4	87





Data Path : Z:\HPCHEM1\BNA G\DATA\BG121216\
Data File : BG025139.D
Acq On : 13 Dec 2016 7:15
Operator : UM/SJ
Sample : H5993-06
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : P036-SS025-0612-03

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

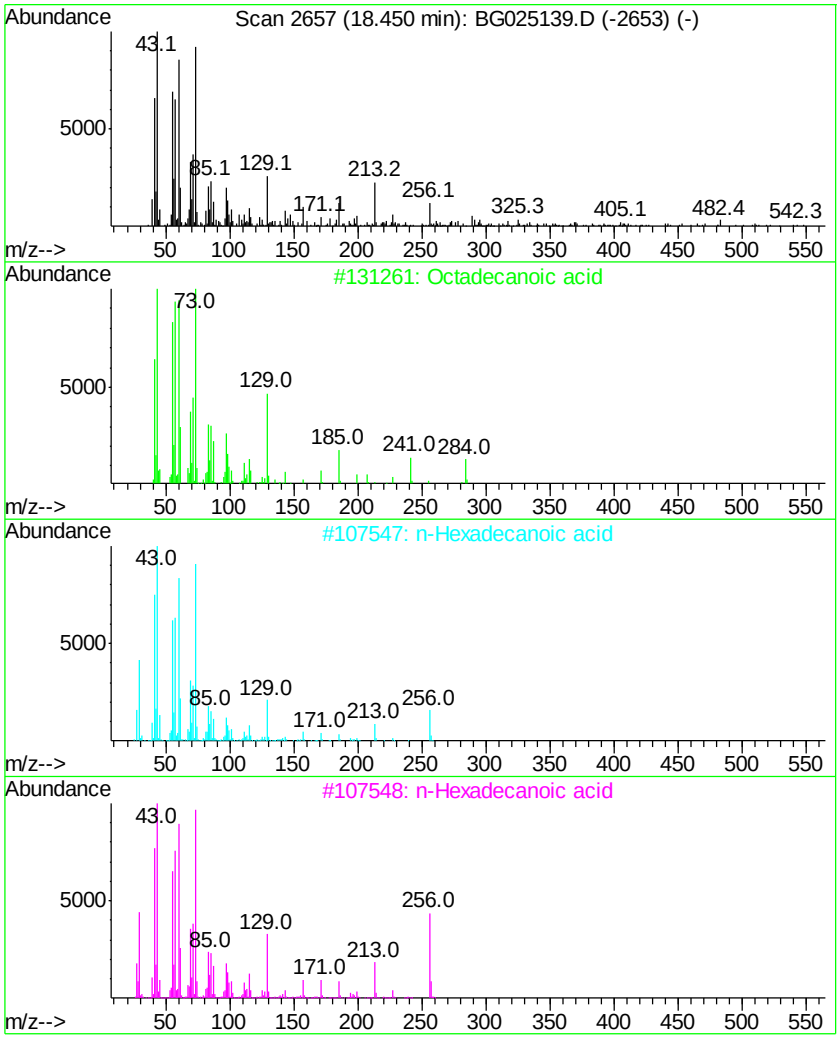
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

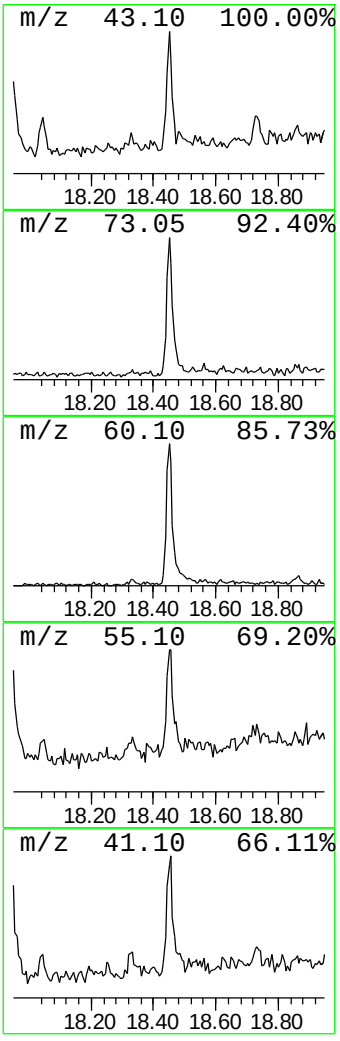
****

Peak Number 5 Octadecanoic acid Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.45	5.18 ng/ul	548795	Phenanthrene-d10	17.62

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octadecanoic acid	284	C18H36O2	000057-11-4	98
2	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	94
3	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	93
4	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	93
5	Docosanoic acid	340	C22H44O2	000112-85-6	92





Data Path : Z:\HPCHEM1\BNA G\DATA\BG121216\
Data File : BG025139.D
Acq On : 13 Dec 2016 7:15
Operator : UM/SJ
Sample : H5993-06
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : P036-SS025-0612-03

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

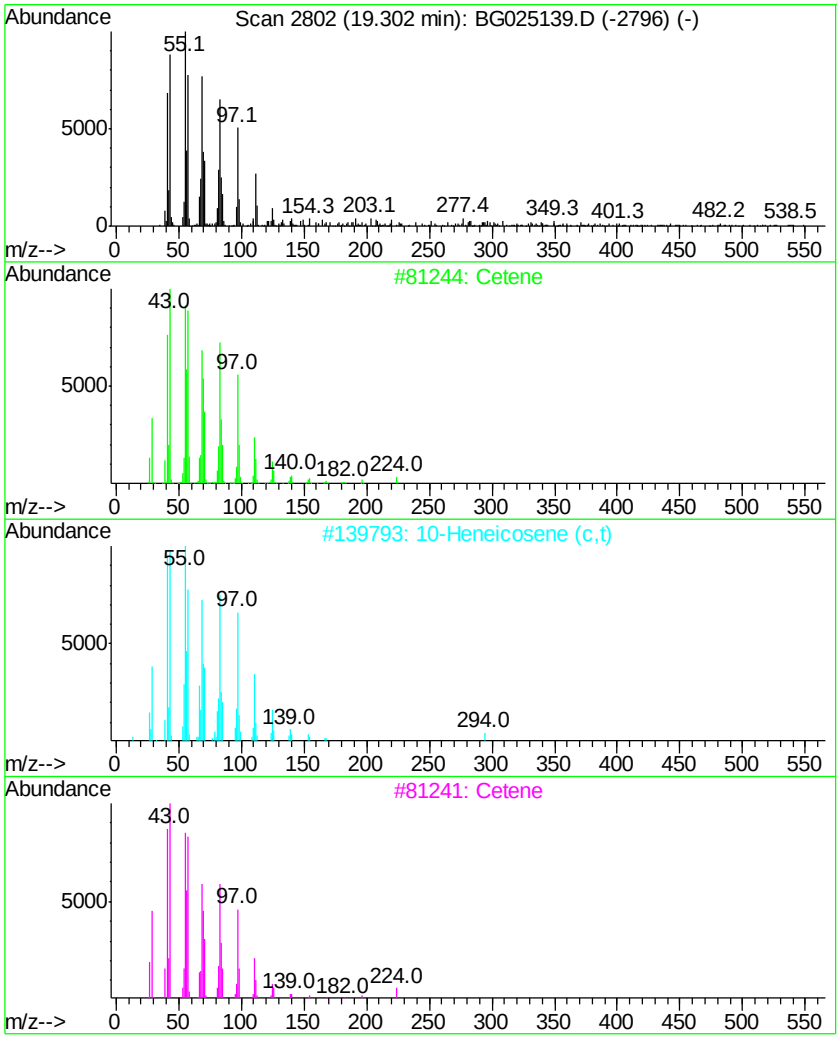
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

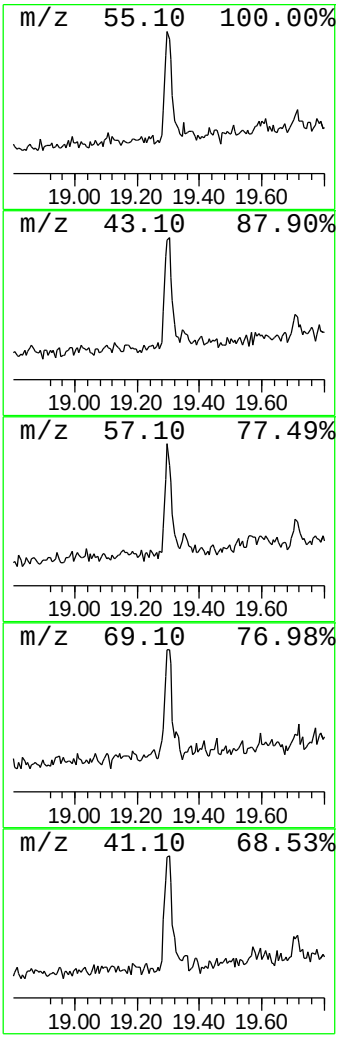
****

Peak Number 6 (DEL) Alkane: Cyclic19.30 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.30	7.20 ng/ul	763571	Phenanthrene-d10	17.62

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cetene	224	C16H32	000629-73-2	93
2	10-Heneicosene (c,t)	294	C21H42	095008-11-0	93
3	Cetene	224	C16H32	000629-73-2	90
4	3-Eicosene, (E)-	280	C20H40	074685-33-9	90
5	9-Tricosene, (Z)-	322	C23H46	027519-02-4	89





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG121216\
Data File : BG025139.D
Acq On : 13 Dec 2016 7:15
Operator : UM/SJ
Sample : H5993-06
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : P036-SS025-0612-03

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
3-Buten-2-one, 3-...	3.28	3.3	ng/ul	161666	1	8.25	994788	20.0
2-Oxo-n-valeric acid	3.37	2.3	ng/ul	116329	1	8.25	994788	20.0
unknown-01	4.14	3.1	ng/ul	155060	1	8.25	994788	20.0
Fumaric acid, 2-c...	17.94	4.2	ng/ul	445390	4	17.62	2119720	20.0
Octadecanoic acid	18.45	5.2	ng/ul	548795	4	17.62	2119720	20.0
(DEL) Alkane: Cyc...	19.30	7.2	ng/ul	763571	4	17.62	2119720	20.0