LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG121716\
Data File : BG025288.D
Acq On : 18 Dec 2016 00:05
Operator : UM/SJ
Sample : H5995-02DL 10X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : DA863DL

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	3.602	124	130	142	rVB	181837	299707	10.57%	2.196%
2	4.360	254	259	264	rVB6	6092	11330	0.40%	0.083%
3	5.100	379	385	388	rBV6	5298	8849	0.31%	0.065%
4	5.306	416	420	427	rVB6	6685	13473	0.48%	0.099%
5	5.376	427	432	437	rBV5	4128	8619	0.30%	0.063%
6	6.187	563	570	576	rBV5	4817	12214	0.43%	0.089%
7	6.428	606	611	616	rBV7	4967	10706	0.38%	0.078%
8	6.998	705	708	713	rBV5	3764	8353	0.29%	0.061%
9	7.309	755	761	764	rBV6	4523	8341	0.29%	0.061%
10	7.409	771	778	789	rVB8	11674	37513	1.32%	0.275%
11	7.556	796	803	805	rBV4	9802	15396	0.54%	0.113%
12	7.774	832	840	846	rBV7	14818	34617	1.22%	0.254%
13	7.973	869	874	881	rBV5	6219	11381	0.40%	0.083%
14	8.232	911	918	935	rBV3	242617	494645	17.44%	3.624%
15	8.532	962	969	975	rVV7	5667	15168	0.53%	0.111%
16	8.602	975	981	985	rVB5	5107	9745	0.34%	0.071%
17	8.690	988	996	1003	rBV7	7887	24020	0.85%	0.176%
18	8.908	1030	1033	1035	rVV2	9179	10937	0.39%	0.080%
19	8.949	1035	1040	1048	rVB7	16133	40241	1.42%	0.295%
20	9.337	1096	1106	1112	rBV9	13404	35730	1.26%	0.262%
21	9.425	1112	1121	1127	rVV6	18179	41644	1.47%	0.305%
22	9.501	1127	1134	1143	rVV9	13150	36073	1.27%	0.264%
23	9.572	1143	1146	1152	rVB5	4306	7974	0.28%	0.058%
24	9.666	1158	1162	1167	rBV5	7480	13463	0.47%	0.099%
25	10.147	1238	1244	1252	rBV7	18184	40693	1.43%	0.298%
26	10.224	1252	1257	1262	rBV6	8663	19885	0.70%	0.146%
27	10.341	1273	1277	1285	rBV8	8802	19386	0.68%	0.142%
28	10.494	1298	1303	1304	rBV4	6912	7507	0.26%	0.055%
29	10.541	1305	1311	1318	rVB8	9540	25514	0.90%	0.187%
30	10.694	1330	1337	1345	rBV6	21633	50771	1.79%	0.372%
31	10.946	1370	1380	1387	rBV10	12082	38013	1.34%	0.279%
32	11.058	1390	1399	1413	rBV	329209	741663	26.15%	5.434%
33	11.434	1454	1463	1465	rVV7	4780	10906	0.38%	0.080%
34	11.493	1471	1473	1479	rBV7	6164	9177	0.32%	0.067%

LSC Area Percent Report

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Acq On : 18 Dec 2016 00:05
Operator : UM/SJ
Sample : H5995-02DL 10X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : DA863DL

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	11.569	1479	1486	1488	rBV6	6008	9151	0.32%	0.067%
36	11.881	1534	1539	1541	rBV5	10583	13911	0.49%	0.102%
37	12.057	1566	1569	1571	rBV2	8173	9399	0.33%	0.069%
38	12.116	1576	1579	1585	rVB5	5896	7570	0.27%	0.055%
39	12.198	1585	1593	1601	rVB5	25786	53783	1.90%	0.394%
40	12.562	1651	1655	1659	rVB6	5640	9256	0.33%	0.068%
41	12.633	1663	1667	1670	rBV5	5702	9793	0.35%	0.072%
42	12.733	1674	1684	1690	rBV5	22545	58988	2.08%	0.432%
43	12.832	1697	1701	1703	rBV4	6789	10202	0.36%	0.075%
44	12.921	1710	1716	1719	rBV5	8189	11722	0.41%	0.086%
45	13.114	1742	1749	1758	rBV10	13924	35327	1.25%	0.259%
46	13.208	1759	1765	1767	rVV7	6030	10184	0.36%	0.075%
47	13.238	1767	1770	1773	rVB3	7740	9730	0.34%	0.071%
48	13.338	1782	1787	1795	rVB8	17071	36335	1.28%	0.266%
49	13.549	1819	1823	1825	rBV3	7236	9224	0.33%	0.068%
50	13.626	1830	1836	1842	rBV6	10637	20483	0.72%	0.150%
51	14.113	1918	1919	1924	rVB4	6855	9561	0.34%	0.070%
52	14.178	1924	1930	1936	rBV9	11973	41297	1.46%	0.303%
53	14.254	1936	1943	1946	rVV3	33046	58758	2.07%	0.430%
54	14.290	1947	1949	1957	rVB6	12589	30631	1.08%	0.224%
55	14.483	1980	1982	1985	rBV3	6174	7357	0.26%	0.054%
56	14.554	1989	1994	2001	rBV2	37037	68015	2.40%	0.498%
57	14.695	2011	2018	2020	rBV6	12706	22615	0.80%	0.166%
58	14.854	2034	2045	2052	rBV	554798	898817	31.69%	6.585%
59	14.912	2052	2055	2062	rVB3	25535	40932	1.44%	0.300%
60	14.983	2064	2067	2071	rVB5	8026	13676	0.48%	0.100%
61	15.130	2085	2092	2096	rBV9	11873	26986	0.95%	0.198%
62	15.224	2102	2108	2119	rBV6	53856	110466	3.89%	0.809%
63	15.400	2132	2138	2143	rBV5	33601	59779	2.11%	0.438%
64	15.518	2155	2158	2161	rBV4	6284	8466	0.30%	0.062%
65	15.635	2171	2178	2183	rVB9	20164	46225	1.63%	0.339%
66	15.770	2197	2201	2205	rBV6	10008	17242	0.61%	0.126%
67	15.847	2208	2214	2218	rBV	52598	78173	2.76%	0.573%
68	15.899	2218	2223	2229	rVB6	78594	120642	4.25%	0.884%
69	15.999	2238	2240	2244	rVB5	8255	10307	0.36%	0.076%
70	16.164	2262	2268	2270	rBV7	10060	22407	0.79%	0.164%
71	16.287	2282	2289	2294	rBV9	20583	43554	1.54%	0.319%

LSC Area Percent Report

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Acq On : 18 Dec 2016 00:05
Operator : UM/SJ
Sample : H5995-02DL 10X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : DA863DL

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

72	16.446	2311	2316	2321	rBV9	20405	34902	1.23%	0.256%
73	16.499	2321	2325	2329	rBV6	24858	38336	1.35%	0.281%
74	16.610	2339	2344	2349	rVB7	27592	35518	1.25%	0.260%
75	16.710	2353	2361	2368	rBV7	27285	69318	2.44%	0.508%
76	16.775	2368	2372	2381	rVV7	15562	34612	1.22%	0.254%
77	16.875	2384	2389	2393	rBV3	32457	52102	1.84%	0.382%
78	16.945	2397	2401	2408	rVB10	31325	49089	1.73%	0.360%
79	17.192	2439	2443	2445	rBV5	18453	28112	0.99%	0.206%
80	17.227	2446	2449	2454	rVB7	24080	38887	1.37%	0.285%
81	17.292	2456	2460	2464	rVB3	23707	28266	1.00%	0.207%
82	17.386	2474	2476	2481	rBV6	13250	18167	0.64%	0.133%
83	17.603	2506	2513	2517	rBV2	718450	1167313	41.16%	8.552%
84	17.644	2518	2520	2525	rVB	98017	112464	3.97%	0.824%
85	17.703	2526	2530	2533	rVB3	40881	56459	1.99%	0.414%
86	18.020	2581	2584	2589	rVB4	35858	57841	2.04%	0.424%
87	18.432	2651	2654	2664	rBV6	75340	133003	4.69%	0.974%
88	18.714	2699	2702	2708	rVB5	47884	64918	2.29%	0.476%
89	19.284	2794	2799	2805	rBV3	160130	275554	9.72%	2.019%
90	19.331	2805	2807	2813	rVB3	36757	49708	1.75%	0.364%
91	19.501	2832	2836	2842	rBV4	67346	114659	4.04%	0.840%
92	19.577	2846	2849	2855	rVB6	71121	95465	3.37%	0.699%
93	19.642	2855	2860	2866	rBV	141300	216502	7.63%	1.586%
94	19.906	2902	2905	2910	rVB2	69868	76075	2.68%	0.557%
95	20.000	2911	2921	2928	rVV3	165025	429447	15.14%	3.146%
96	20.970	3082	3086	3092	rVB2	190046	303052	10.69%	2.220%
97	21.716	3208	3213	3220	rBV	2017526	2836221	100.00%	20.779%
98	21.892	3236	3243	3250	rBV	798626	1555372	54.84%	11.395%
99	22.380	3322	3326	3332	rVB5	85718	149548	5.27%	1.096%
100	25.318	3817	3826	3840	rVB2	434935	1303610	45.96%	9.551%

Sum of corrected areas: 13649138

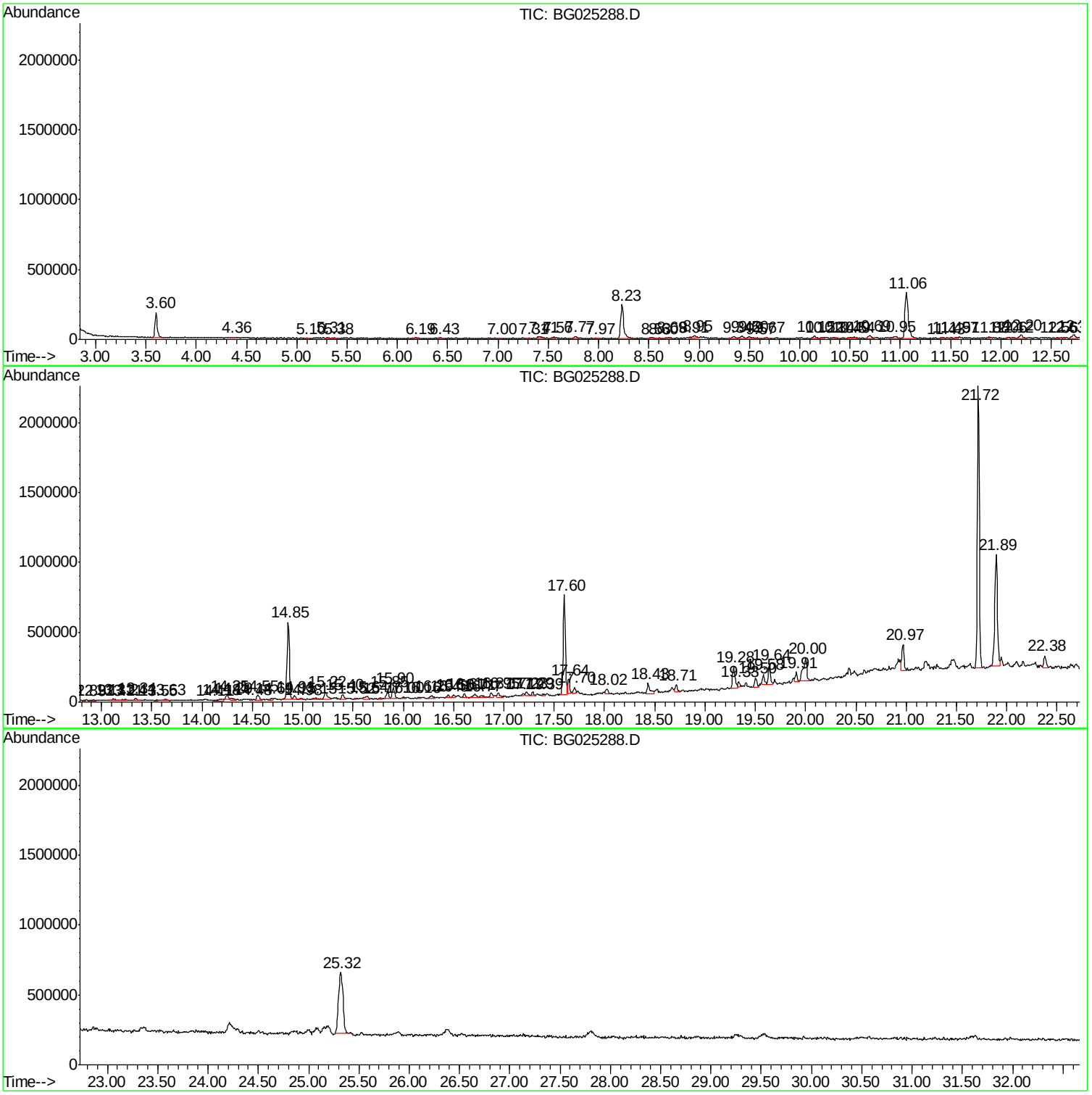
LSC Report - Integrated Chromatogram

Data Path : Z:\HPCHEM1\BNA G\DATA\BG121716\
Data File : BG025288.D
Acq On : 18 Dec 2016 00:05
Operator : UM/SJ
Sample : H5995-02DL 10X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : DA863DL

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\BG121716\
Data File : BG025288.D
Acq On : 18 Dec 2016 00:05
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Instrument : BNA_G
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Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG113016.M
Quant Title : SVOA CALIBRATION

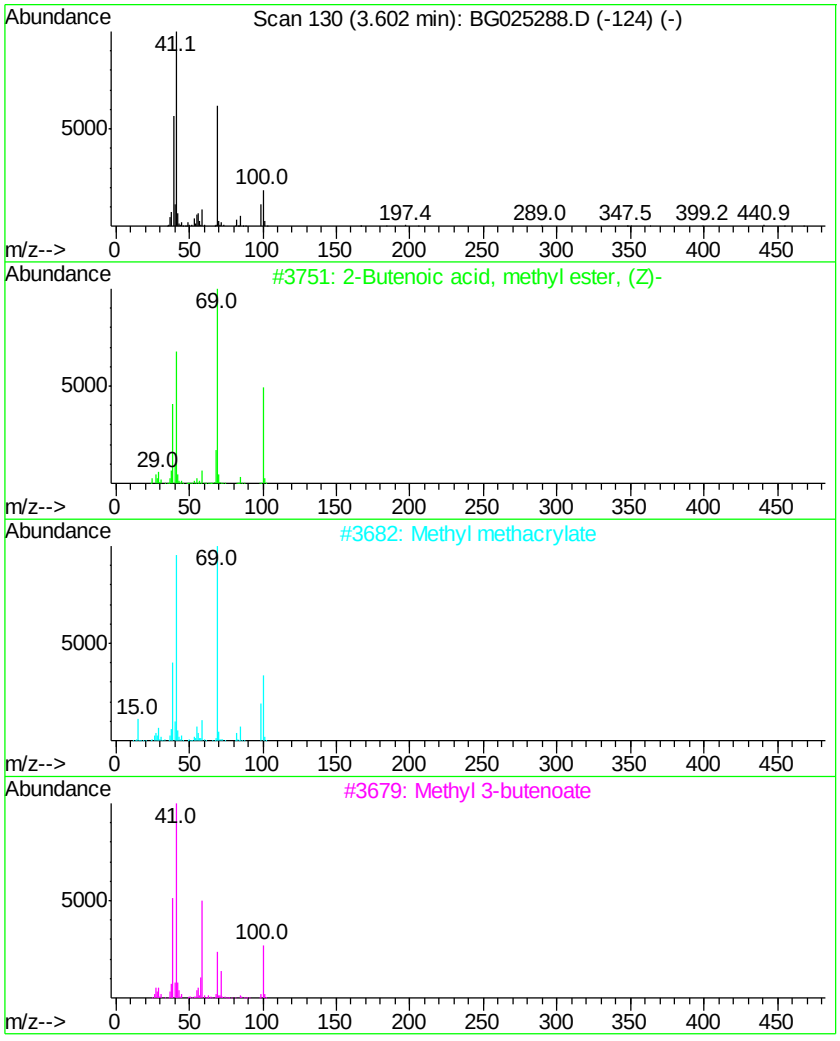
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

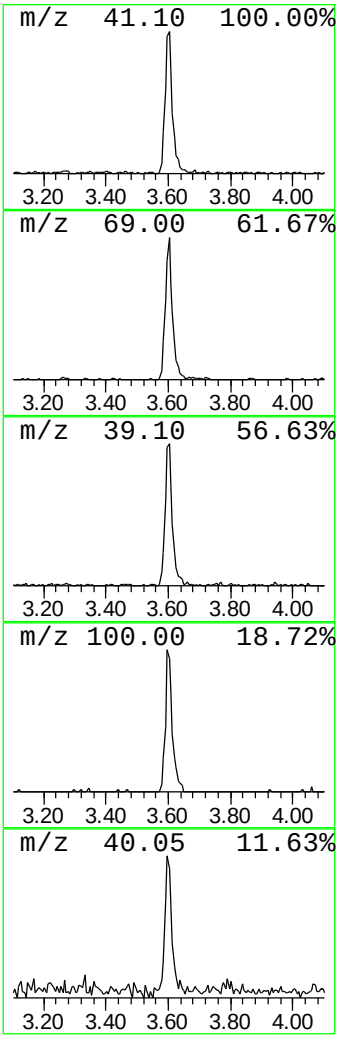
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.60	12.12 ng/ul	299707	1,4-Dichlorobenzene-d4	8.23

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Butenoic acid, methyl ester, (Z)-	100	C5H8O2	004358-59-2	50
2	Methyl methacrylate	100	C5H8O2	000080-62-6	43
3	Methyl 3-butenoate	100	C5H8O2	003724-55-8	40
4	Methyl 3-butenoate	100	C5H8O2	003724-55-8	40
5	Allyl trifluoroacetate	154	C5H5F3O2	000383-67-5	38





Data Path : Z:\HPCHEM1\BNA G\DATA\BG121716\
Data File : BG025288.D
Acq On : 18 Dec 2016 00:05
Operator : UM/SJ
Sample : H5995-02DL 10X
Misc :
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Instrument : BNA_G
ClientSampleId : DA863DL

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

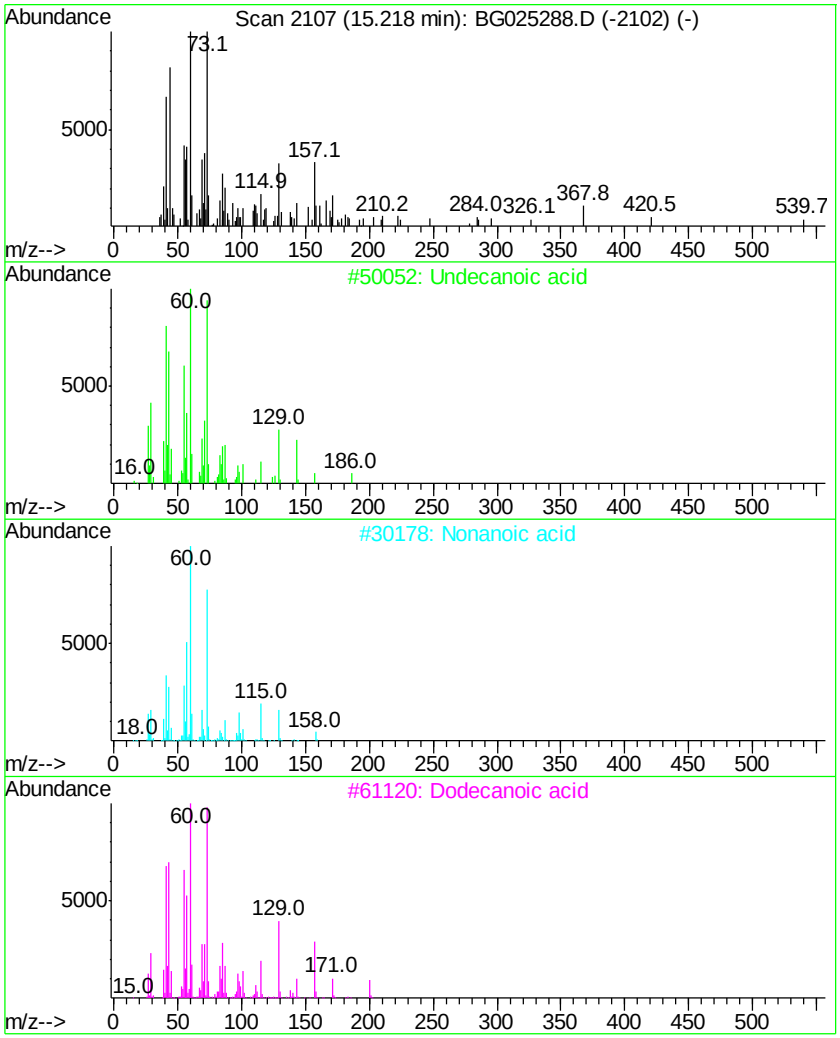
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

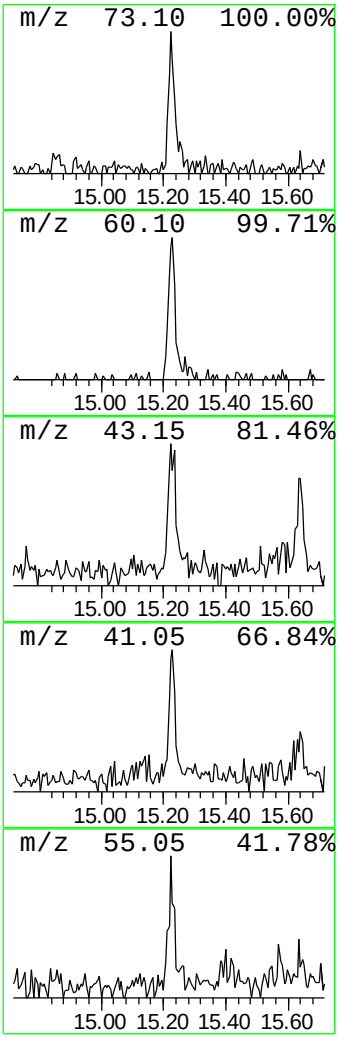
****

Peak Number 2 Undecanoic acid Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.22	2.46 ng/ul	110466	Acenaphthene-d10	14.85

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Undecanoic acid	186	C11H22O2	000112-37-8	59
2	Nonanoic acid	158	C9H18O2	000112-05-0	58
3	Dodecanoic acid	200	C12H24O2	000143-07-7	58
4	Dodecanoic acid	200	C12H24O2	000143-07-7	50
5	Dodecanoic acid, 1-methylethyl e...	242	C15H30O2	010233-13-3	42





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Sample : H5995-02DL 10X
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Instrument : BNA_G
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Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG113016.M
Quant Title : SVOA CALIBRATION

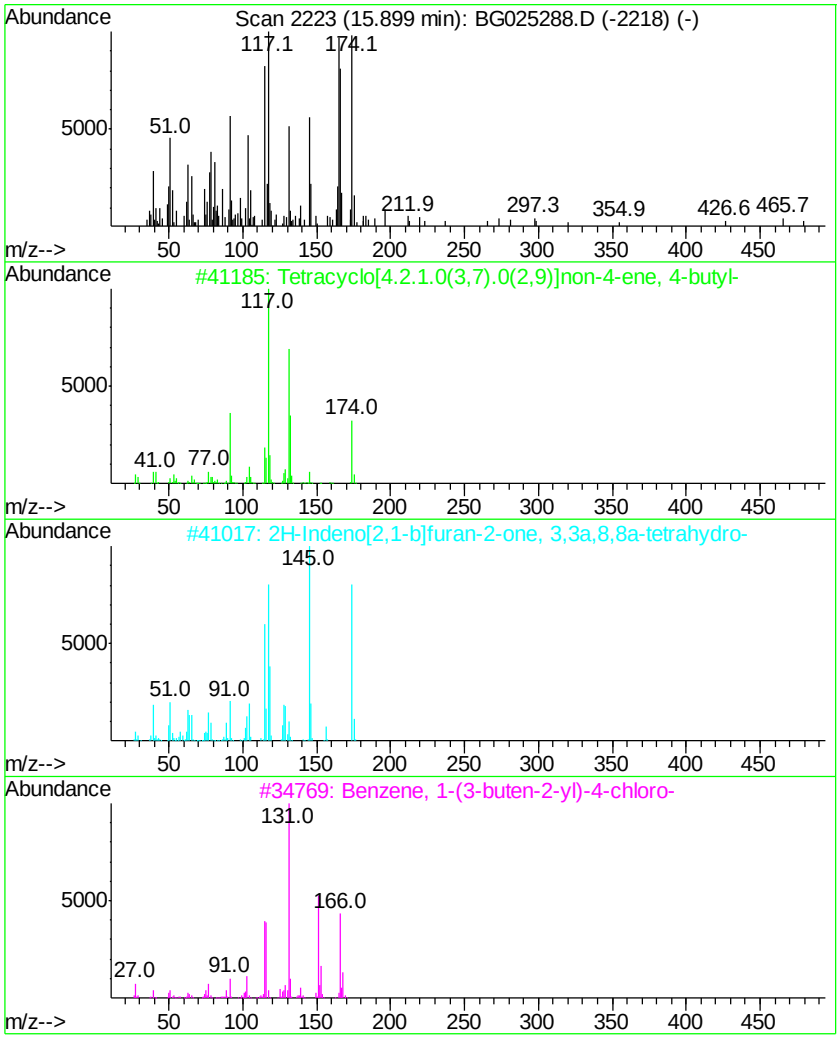
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

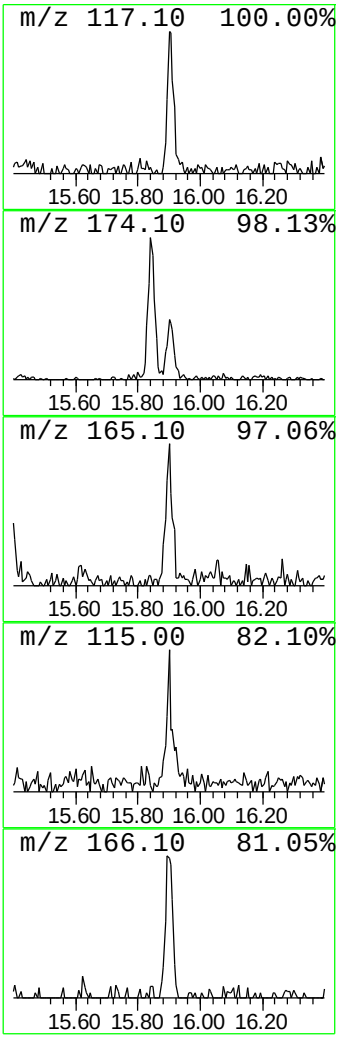
****

Peak Number 3 unknown-01 Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.90	2.68 ng/ul	120642	Acenaphthene-d10	14.85

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tetracyclo[4.2.1.0(3,7).0(2,9)]n...	174	C13H18	1000164-31-2	38
2	2H-Indeno[2,1-b]furan-2-one, 3,3...	174	C11H10O2	080343-98-2	38
3	Benzene, 1-(3-buten-2-yl)-4-chloro-	166	C10H11Cl	003047-24-3	27
4	Pentacyclo[5.4.0.0(2,6).0(3,10)....	174	C11H10O2	002958-72-7	27
5	Benzenemethanol, .alpha.-1-penty...	174	C12H14O	108946-34-5	27





Data Path : Z:\HPCHEM1\BNA G\DATA\BG121716\
Data File : BG025288.D
Acq On : 18 Dec 2016 00:05
Operator : UM/SJ
Sample : H5995-02DL 10X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : DA863DL

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

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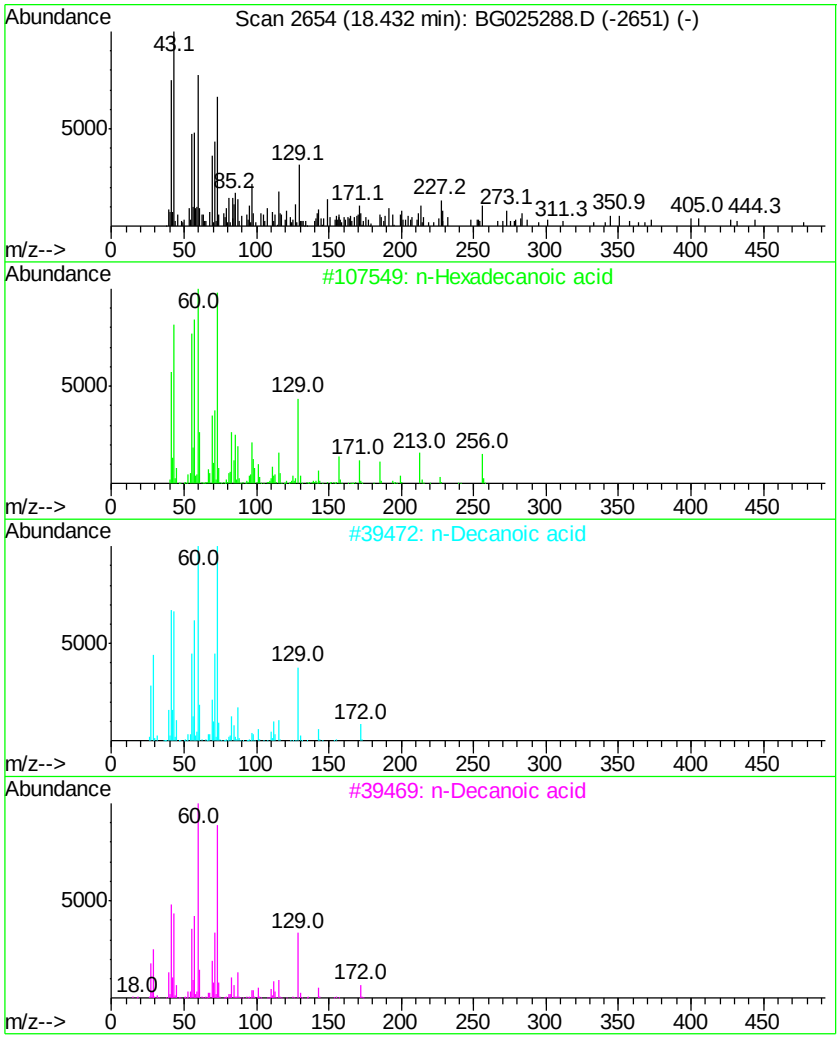
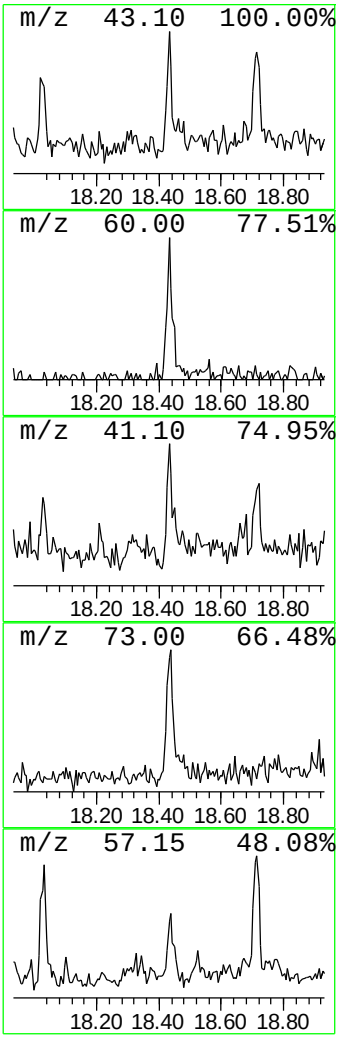
Peak Number 4 n-Hexadecanoic acid Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.43	2.28 ng/ul	133003	Phenanthrene-d10	17.60

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	86
2	n-Decanoic acid	172	C10H20O2	000334-48-5	64
3	n-Decanoic acid	172	C10H20O2	000334-48-5	58
4	Dodecanoic acid	200	C12H24O2	000143-07-7	53
5	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	53





Data Path : Z:\HPCHEM1\BNA G\DATA\BG121716\
Data File : BG025288.D
Acq On : 18 Dec 2016 00:05
Operator : UM/SJ
Sample : H5995-02DL 10X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : DA863DL

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

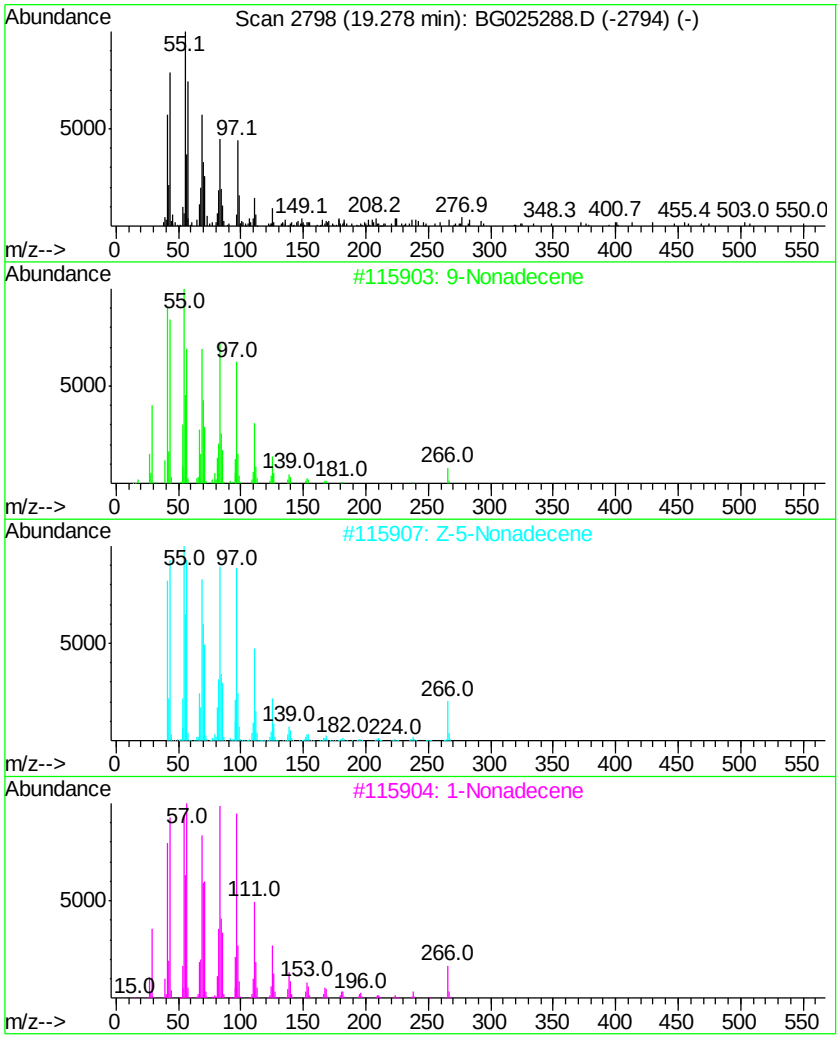
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

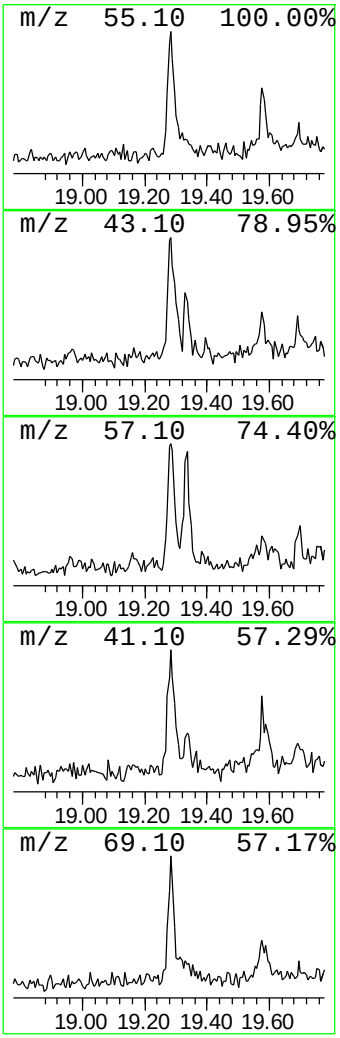
****

Peak Number 5 (DEL) Alkane: Cyclic19.28 Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.28	4.72 ng/ul	275554	Phenanthrene-d10	17.60

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9-Nonadecene	266	C19H38	031035-07-1	91
2	Z-5-Nonadecene	266	C19H38	1000131-11-8	91
3	1-Nonadecene	266	C19H38	018435-45-5	87
4	n-Pentadecanol	228	C15H32O	000629-76-5	86
5	1-Tridecene	182	C13H26	002437-56-1	80





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG121716\
Data File : BG025288.D
Acq On : 18 Dec 2016 00:05
Operator : UM/SJ
Sample : H5995-02DL 10X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : DA863DL

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

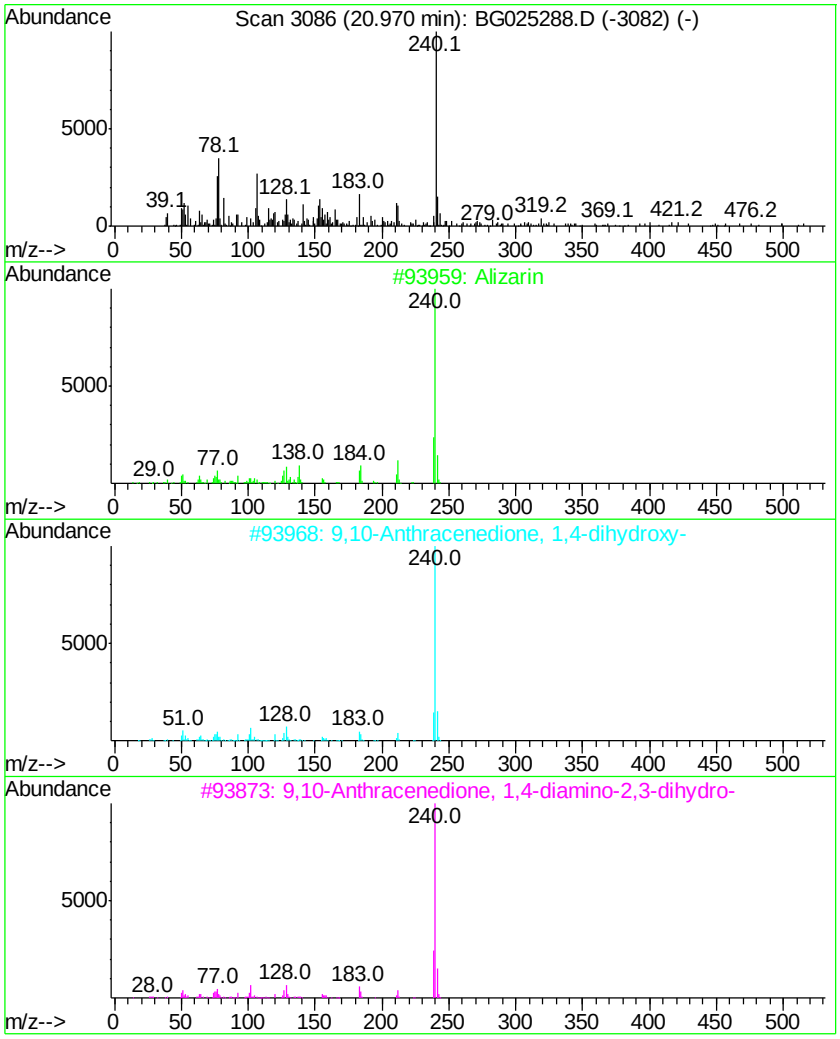
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

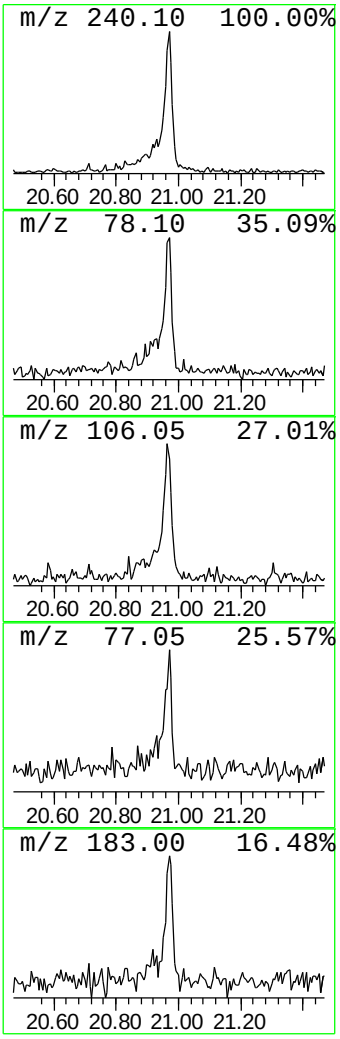
****

Peak Number 6 Alizarin Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.97	3.90 ng/ul	303052	Chrysene-d12	21.90

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Alizarin	240	C14H8O4	000072-48-0	70
2	9,10-Anthracenedione, 1,4-dihydr...	240	C14H8O4	000081-64-1	70
3	9,10-Anthracenedione, 1,4-diamin...	240	C14H12N2O2	000081-63-0	62
4	9,10-Anthracenedione, 1,5-dihydr...	240	C14H8O4	000117-12-4	62
5	Triphenylene, 1,2,3,4,5,6,7,8,9,...	240	C18H24	001610-39-5	62





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG121716\
Data File : BG025288.D
Acq On : 18 Dec 2016 00:05
Operator : UM/SJ
Sample : H5995-02DL 10X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : DA863DL

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	12.1	ng/ul	299707	1	8.23	494645	20.0
Undecanoic acid	15.22	2.5	ng/ul	110466	3	14.85	898817	20.0
unknown-01	15.90	2.7	ng/ul	120642	3	14.85	898817	20.0
n-Hexadecanoic acid	18.43	2.3	ng/ul	133003	4	17.60	1167310	20.0
(DEL) Alkane: Cyc...	19.28	4.7	ng/ul	275554	4	17.60	1167310	20.0
Alizarin	20.97	3.9	ng/ul	303052	5	21.90	1555370	20.0