LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG122118\
Data File : BG038795.D
Acq On : 21 Dec 2018 20:46
Operator : JU/SJ
Sample : J6496-01
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : WATER-1

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG121218.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	3.185	12	16	22	rVB	27097	40896	2.10%	0.170%
2	3.256	23	28	39	rVB	69241	107543	5.52%	0.448%
3	3.350	39	44	57	rVB3	10673	30530	1.57%	0.127%
4	3.802	115	121	128	rVB	18143	30900	1.58%	0.129%
5	4.096	164	171	175	rBV2	37132	66328	3.40%	0.276%
6	4.143	175	179	188	rVB5	28031	63027	3.23%	0.262%
7	4.402	218	223	231	rVB	30715	49081	2.52%	0.204%
8	4.507	235	241	251	rBV2	29072	54731	2.81%	0.228%
9	4.936	306	314	324	rBV6	8636	28877	1.48%	0.120%
10	5.071	324	337	345	rVV7	15003	51049	2.62%	0.213%
11	5.301	369	376	381	rBV	329630	554001	28.42%	2.307%
12	5.348	381	384	396	rVB4	30828	63928	3.28%	0.266%
13	5.524	407	414	418	rBV	53408	111113	5.70%	0.463%
14	5.612	423	429	442	rVB2	262924	516567	26.50%	2.151%
15	5.871	469	473	479	rVB	19360	28659	1.47%	0.119%
16	6.100	504	512	520	rBV3	42347	85363	4.38%	0.355%
17	6.247	531	537	540	rBV	70174	130947	6.72%	0.545%
18	6.288	540	544	556	rVB	106857	198099	10.16%	0.825%
19	6.458	568	573	581	rBV	32417	60007	3.08%	0.250%
20	6.605	581	598	605	rVV9	24069	104140	5.34%	0.434%
21	6.664	605	608	617	rVB5	15671	34633	1.78%	0.144%
22	6.887	641	646	650	rBV4	21881	51678	2.65%	0.215%
23	6.940	650	655	663	rVB	114398	202004	10.36%	0.841%
24	7.075	669	678	680	rBV3	30510	71538	3.67%	0.298%
25	7.216	681	702	714	rVV3	260845	1010148	51.81%	4.207%
26	7.433	731	739	745	rBV	70616	129115	6.62%	0.538%
27	7.592	755	766	772	rBV	448210	800977	41.08%	3.336%
28	7.874	807	814	818	rBV2	23805	48386	2.48%	0.202%
29	7.997	828	835	839	rBV4	11320	29692	1.52%	0.124%
30	8.056	839	845	849	rBV2	110306	190245	9.76%	0.792%
31	8.103	849	853	858	rVB	107578	166396	8.53%	0.693%
32	8.238	871	876	882	rVB3	19269	37218	1.91%	0.155%
33	8.303	882	887	893	rVV3	48542	106768	5.48%	0.445%
34	8.379	893	900	907	rVV	406436	774154	39.71%	3.224%

LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG122118\
Data File : BG038795.D
Acq On : 21 Dec 2018 20:46
Operator : JU/SJ
Sample : J6496-01
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : WATER-1

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG121218.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	8.444	907	911	917	rVB2	26255	50998	2.62%	0.212%
36	8.573	925	933	934	rBV2	30560	61412	3.15%	0.256%
37	8.608	934	939	945	rVV	74638	156272	8.02%	0.651%
38	8.779	947	968	975	rVV2	136132	609501	31.26%	2.538%
39	8.890	982	987	994	rVB2	50244	91176	4.68%	0.380%
40	9.014	999	1008	1015	rVB9	18091	51116	2.62%	0.213%
41	9.090	1015	1021	1027	rBV2	20342	43032	2.21%	0.179%
42	9.167	1029	1034	1039	rBV3	25723	44464	2.28%	0.185%
43	9.237	1039	1046	1056	rVV	357976	666270	34.17%	2.775%
44	9.560	1096	1101	1110	rVB7	12766	30882	1.58%	0.129%
45	9.690	1117	1123	1130	rBV6	26184	63195	3.24%	0.263%
46	9.801	1138	1142	1149	rBV5	16165	29900	1.53%	0.125%
47	10.183	1201	1207	1211	rBV	54524	113944	5.84%	0.475%
48	10.365	1211	1238	1247	rVB5	249485	1587040	81.40%	6.609%
49	10.565	1268	1272	1279	rVB5	14029	29231	1.50%	0.122%
50	10.641	1279	1285	1291	rBV3	19673	51527	2.64%	0.215%
51	10.876	1317	1325	1336	rVB	136572	277385	14.23%	1.155%
52	11.235	1379	1386	1397	rVB8	24257	75895	3.89%	0.316%
53	11.540	1429	1438	1444	rBV9	22309	76063	3.90%	0.317%
54	11.769	1469	1477	1484	rBV2	168569	459992	23.59%	1.916%
55	11.846	1484	1490	1493	rBV	117885	244060	12.52%	1.016%
56	12.457	1584	1594	1595	rBV8	17838	40515	2.08%	0.169%
57	12.533	1603	1607	1616	rVB9	16299	36305	1.86%	0.151%
58	12.668	1624	1630	1633	rBV4	15027	28742	1.47%	0.120%
59	12.821	1651	1656	1660	rBV5	13866	31561	1.62%	0.131%
60	12.892	1664	1668	1674	rBV5	16264	39997	2.05%	0.167%
61	13.009	1682	1688	1700	rBV4	93221	215197	11.04%	0.896%
62	13.127	1702	1708	1709	rBV2	36227	53741	2.76%	0.224%
63	13.321	1731	1741	1747	rVB	1001959	1609791	82.57%	6.704%
64	13.485	1757	1769	1781	rBV10	39234	156130	8.01%	0.650%
65	13.632	1787	1794	1801	rBV	695417	1202298	61.67%	5.007%
66	13.708	1801	1807	1817	rVB	64880	124506	6.39%	0.519%
67	13.838	1823	1829	1840	rBV	299152	543052	27.85%	2.262%
68	14.008	1851	1858	1863	rVB6	16424	39840	2.04%	0.166%
69	14.131	1872	1879	1891	rVB4	118656	358999	18.41%	1.495%
70	14.431	1923	1930	1936	rBV4	38464	80877	4.15%	0.337%
71	14.560	1945	1952	1957	rBV	304498	480880	24.67%	2.003%

LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG122118\
Data File : BG038795.D
Acq On : 21 Dec 2018 20:46
Operator : JU/SJ
Sample : J6496-01
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : WATER-1

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG121218.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

72	14.695	1968	1975	1991	rBV2	221715	433545	22.24%	1.805%
73	14.942	2013	2017	2024	rBV2	26404	47105	2.42%	0.196%
74	15.095	2039	2043	2049	rVB2	56967	97715	5.01%	0.407%
75	15.218	2054	2064	2078	rVB	181332	529640	27.17%	2.206%
76	15.495	2105	2111	2117	rBV	301898	441201	22.63%	1.837%
77	15.683	2130	2143	2148	rBV	31666	107481	5.51%	0.448%
78	15.788	2156	2161	2169	rBV6	20754	52110	2.67%	0.217%
79	15.947	2185	2188	2192	rBV2	24221	32016	1.64%	0.133%
80	16.059	2204	2207	2213	rVB	51188	79148	4.06%	0.330%
81	16.135	2215	2220	2224	rBV	110987	157254	8.07%	0.655%
82	16.194	2224	2230	2236	rBV2	765836	1211326	62.13%	5.045%
83	16.376	2257	2261	2265	rVB	50710	70524	3.62%	0.294%
84	16.429	2265	2270	2275	rBV	57658	86478	4.44%	0.360%
85	16.487	2275	2280	2285	rBV	342219	497509	25.52%	2.072%
86	16.681	2308	2313	2317	rBV	68007	105901	5.43%	0.441%
87	16.728	2317	2321	2326	rVB	44546	68189	3.50%	0.284%
88	16.787	2327	2331	2334	rBV	55095	80933	4.15%	0.337%
89	16.828	2334	2338	2345	rVB7	43436	96165	4.93%	0.400%
90	17.287	2411	2416	2422	rVB6	27830	55768	2.86%	0.232%
91	17.445	2434	2443	2456	rVB2	270971	554878	28.46%	2.311%
92	18.309	2585	2590	2598	rBV4	80291	142679	7.32%	0.594%
93	18.515	2621	2625	2631	rVB2	32376	50291	2.58%	0.209%
94	19.572	2802	2805	2811	rVB2	44737	63265	3.25%	0.263%
95	19.872	2852	2856	2862	rBV	85761	128560	6.59%	0.535%
96	20.048	2881	2886	2891	rVB	1476626	1949612	100.00%	8.119%
97	20.618	2979	2983	2987	rBV2	86249	116694	5.99%	0.486%
98	21.435	3119	3122	3126	rBV	51028	83322	4.27%	0.347%
99	21.728	3167	3172	3179	rVB2	256218	419359	21.51%	1.746%
100	25.042	3729	3736	3746	rVB2	131331	369339	18.94%	1.538%

Sum of corrected areas: 24012531

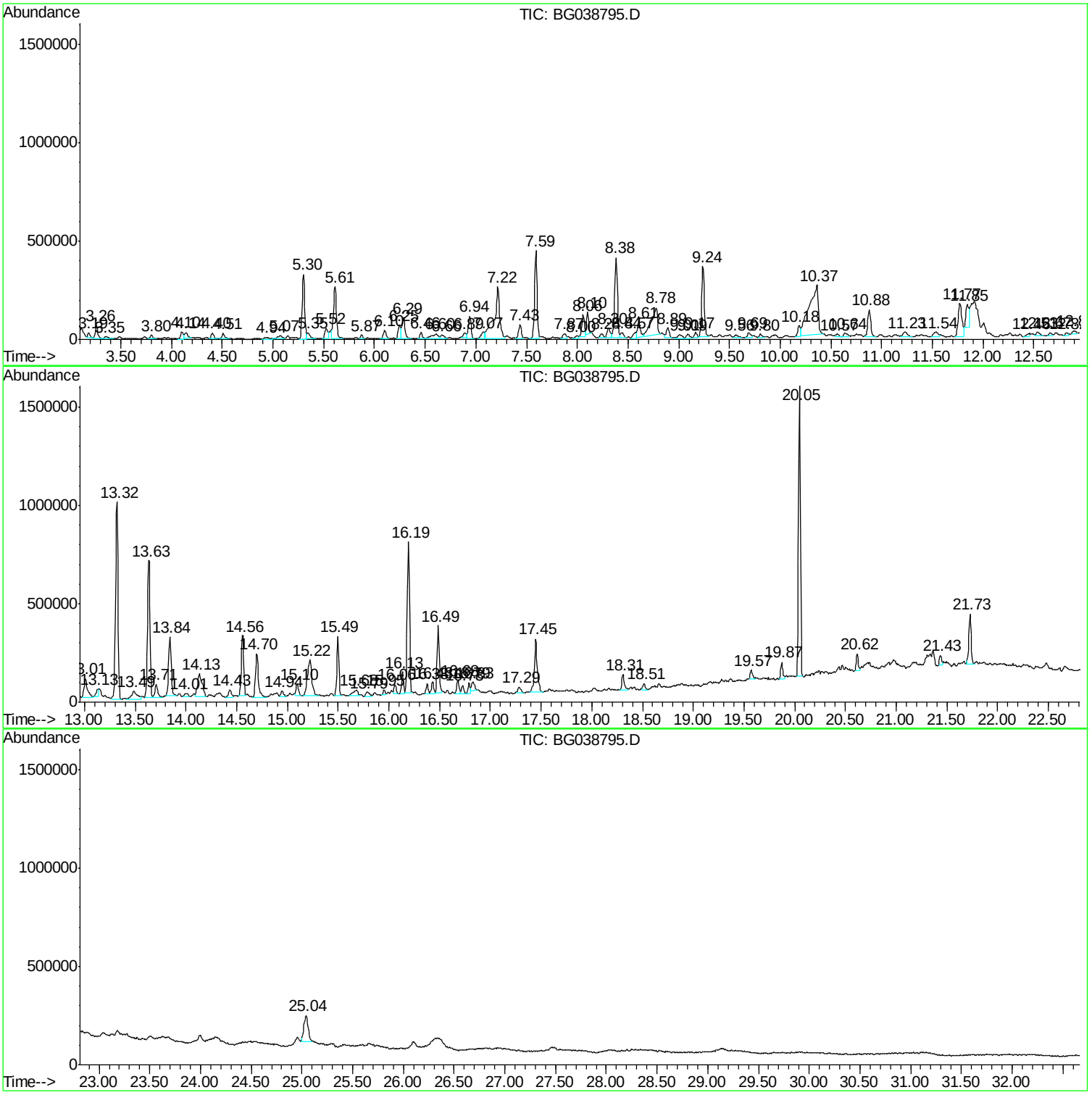
LSC Report - Integrated Chromatogram

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG122118\
Data File : BG038795.D
Acq On : 21 Dec 2018 20:46
Operator : JU/SJ
Sample : J6496-01
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : WATER-1

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG121218.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG122118\
Data File : BG038795.D
Acq On : 21 Dec 2018 20:46
Operator : JU/SJ
Sample : J6496-01
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : WATER-1

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG121218.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

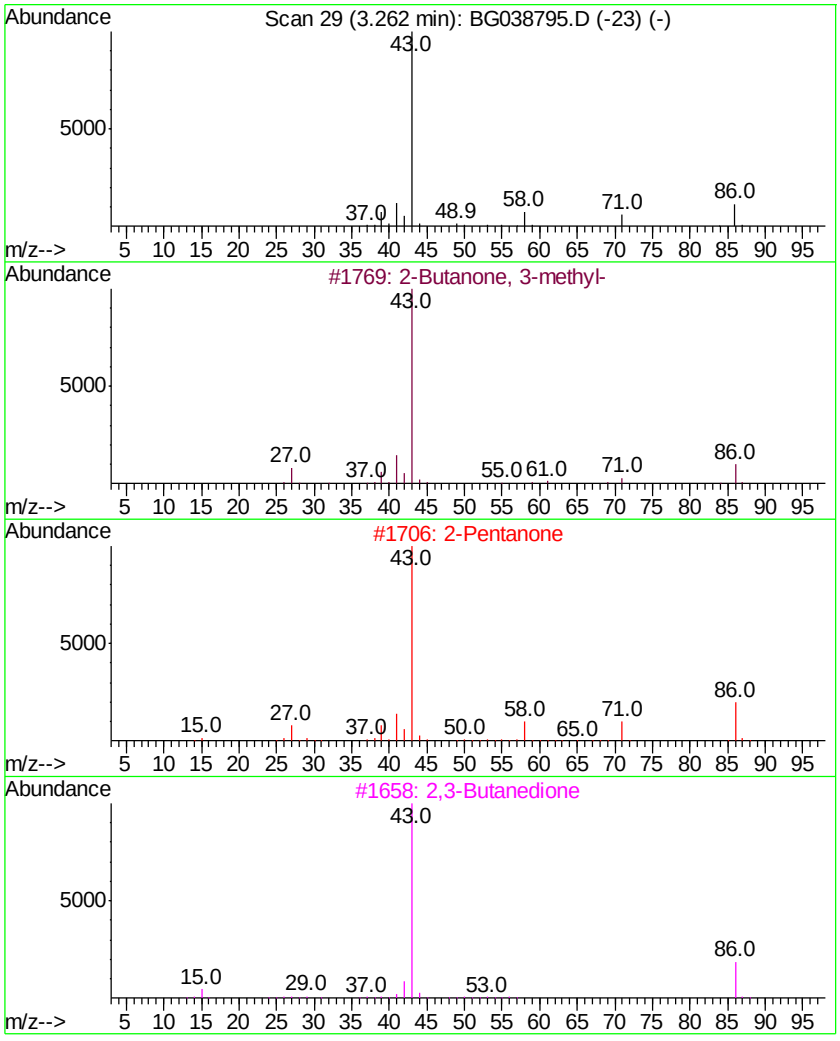
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

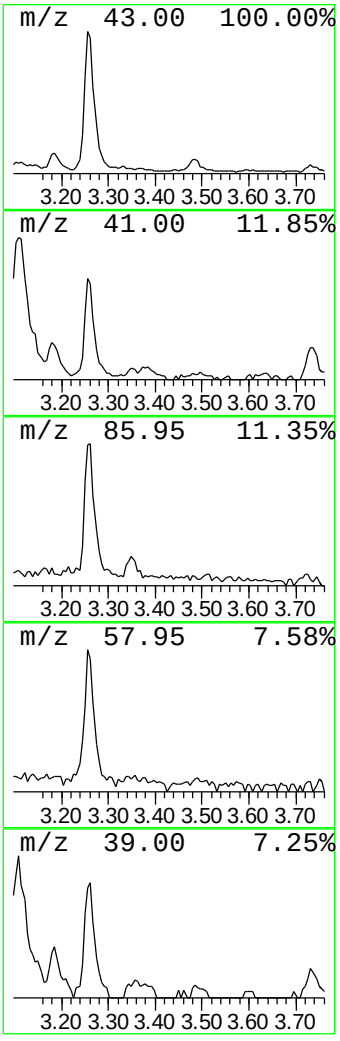
****

Peak Number 1 2-Butanone, 3-methyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.26	11.31 ng	107543	1,4-Dichlorobenzene-d4	8.06

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Butanone, 3-methyl-	86	C5H10O	000563-80-4	80
2	2-Pentanone	86	C5H10O	000107-87-9	64
3	2,3-Butanedione	86	C4H6O2	000431-03-8	9
4	Ethanone, 1-oxiranyl-	86	C4H6O2	004401-11-0	9
5	2-Pentanone, 3-ethyl-	114	C7H14O	006137-03-7	9





Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG122118\
Data File : BG038795.D
Acq On : 21 Dec 2018 20:46
Operator : JU/SJ
Sample : J6496-01
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : WATER-1

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG121218.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

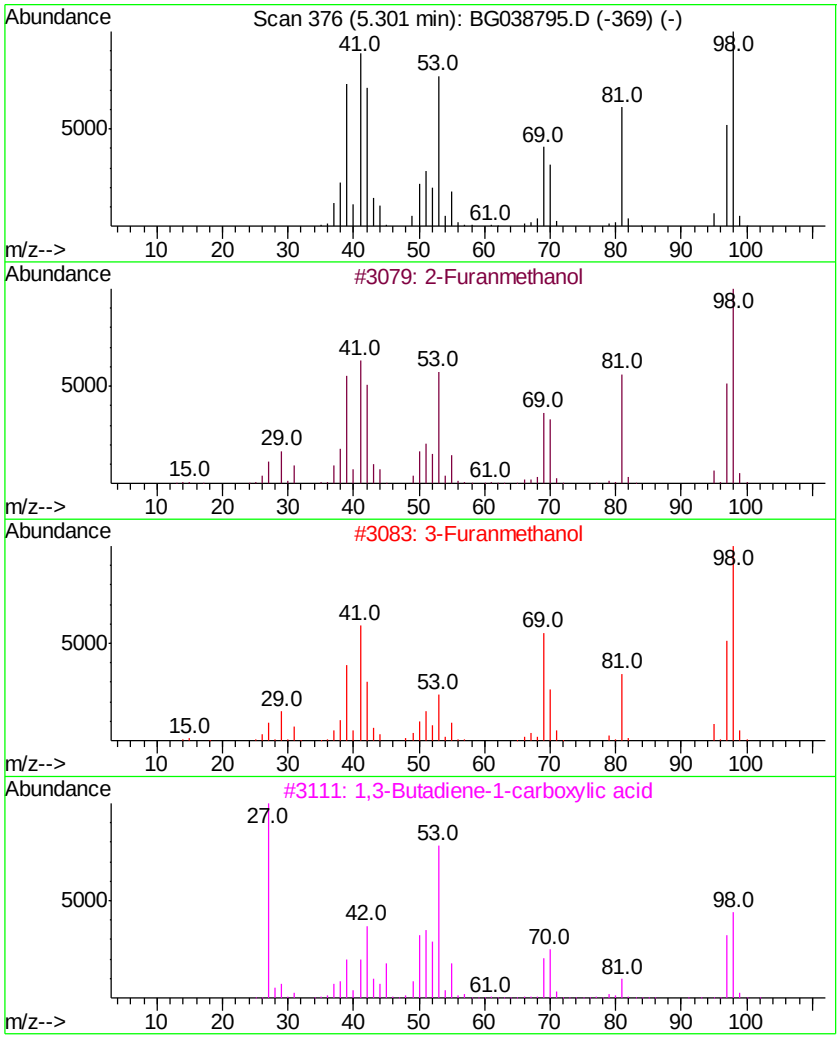
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

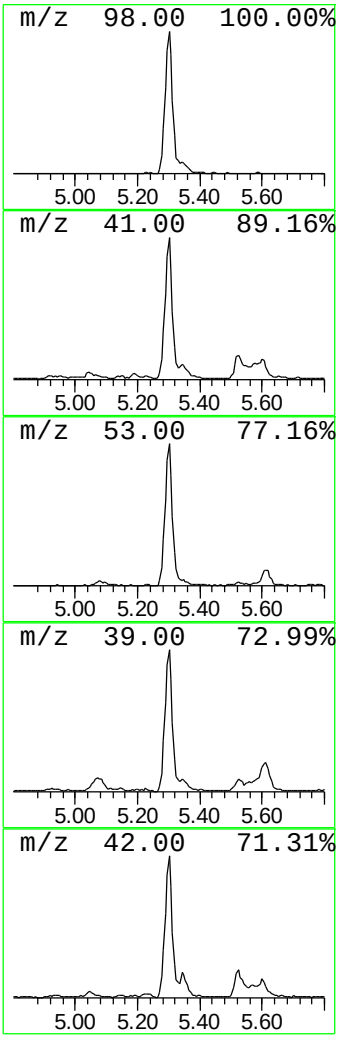
****

Peak Number 2 2-Furanmethanol Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.30	58.24 ng	554001	1,4-Dichlorobenzene-d4	8.06

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Furanmethanol	98	C5H6O2	000098-00-0	98
2	3-Furanmethanol	98	C5H6O2	004412-91-3	52
3	1,3-Butadiene-1-carboxylic acid	98	C5H6O2	000626-99-3	45
4	Cyclopropanecarboxaldehyde, meth...	82	C5H6O	142423-24-3	38
5	Methylenecyclopropanecarboxylic ...	98	C5H6O2	062266-36-8	38





Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG122118\
Data File : BG038795.D
Acq On : 21 Dec 2018 20:46
Operator : JU/SJ
Sample : J6496-01
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : WATER-1

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG121218.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

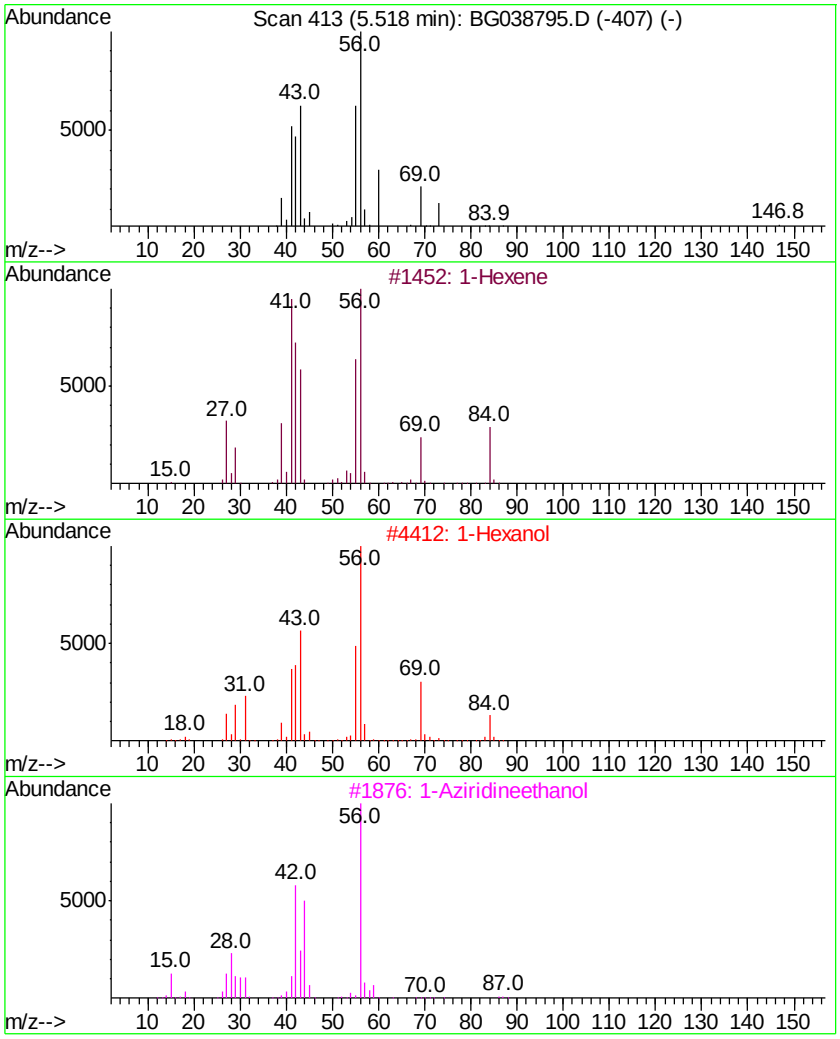
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

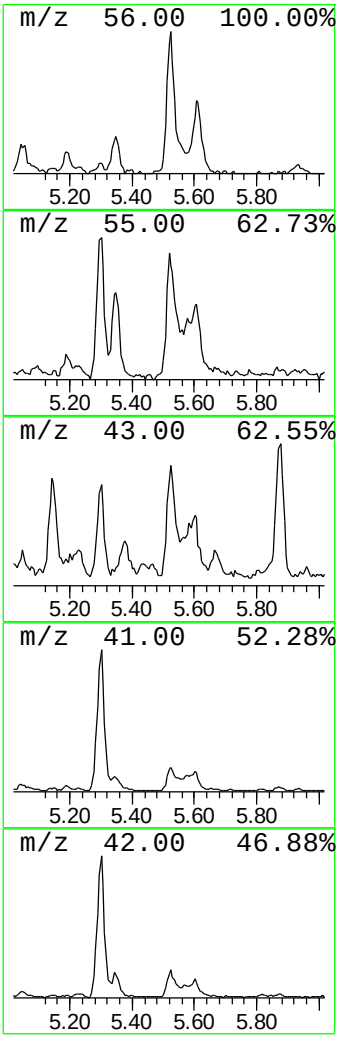
****

Peak Number 3 1-Hexene Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.52	11.68 ng	111113	1,4-Dichlorobenzene-d4	8.06

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Hexene	84	C6H12	000592-41-6	72
2	1-Hexanol	102	C6H14O	000111-27-3	59
3	1-Aziridineethanol	87	C4H9NO	001072-52-2	59
4	Hexyl chloroformate	164	C7H13ClO2	006092-54-2	59
5	Hexyl trifluoroacetate	198	C8H13F3O2	000400-61-3	50





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG122118\
Data File : BG038795.D
Acq On : 21 Dec 2018 20:46
Operator : JU/SJ
Sample : J6496-01
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : WATER-1

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG121218.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

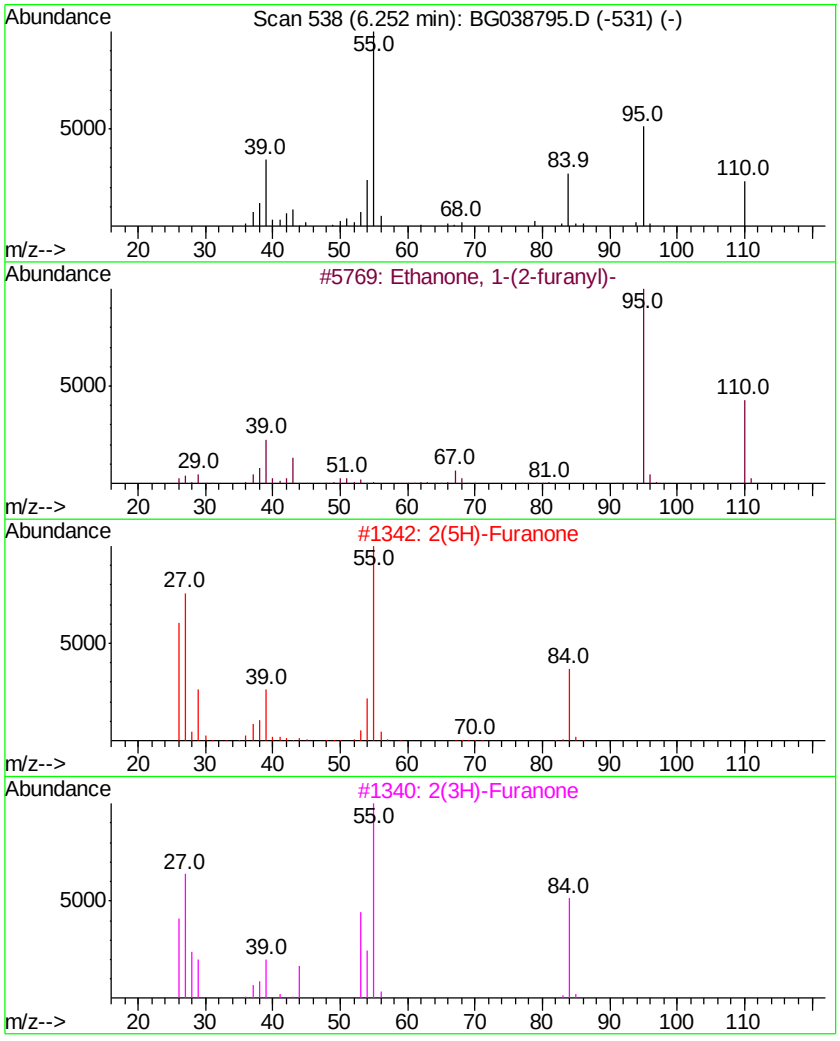
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

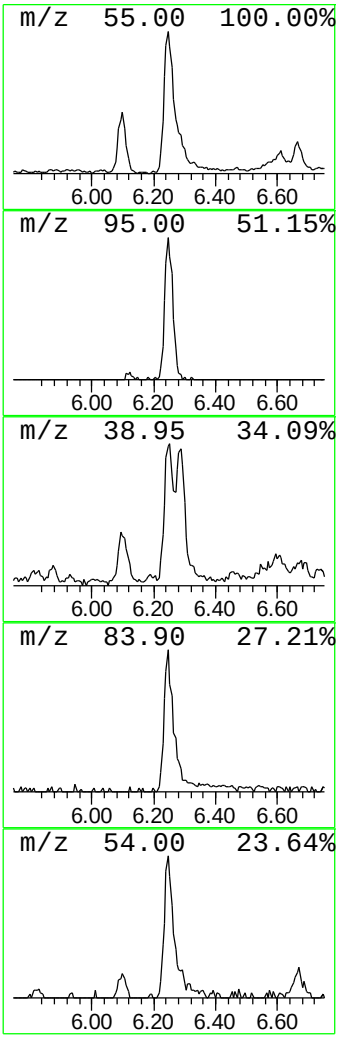
****

Peak Number 4 unknown6.25 Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.25	13.77 ng	130947	1,4-Dichlorobenzene-d4	8.06

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Ethanone, 1-(2-furanyl)-	110	C6H6O2	001192-62-7	43
2	2(5H)-Furanone	84	C4H4O2	000497-23-4	43
3	2(3H)-Furanone	84	C4H4O2	020825-71-2	32
4	Borane, diethylmethyl-	84	C5H13B	001115-07-7	27
5	Ethanone, 1-(1H-pyrazol-4-yl)-	110	C5H6N2O	025016-16-4	25





Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG122118\
Data File : BG038795.D
Acq On : 21 Dec 2018 20:46
Operator : JU/SJ
Sample : J6496-01
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : WATER-1

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG121218.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

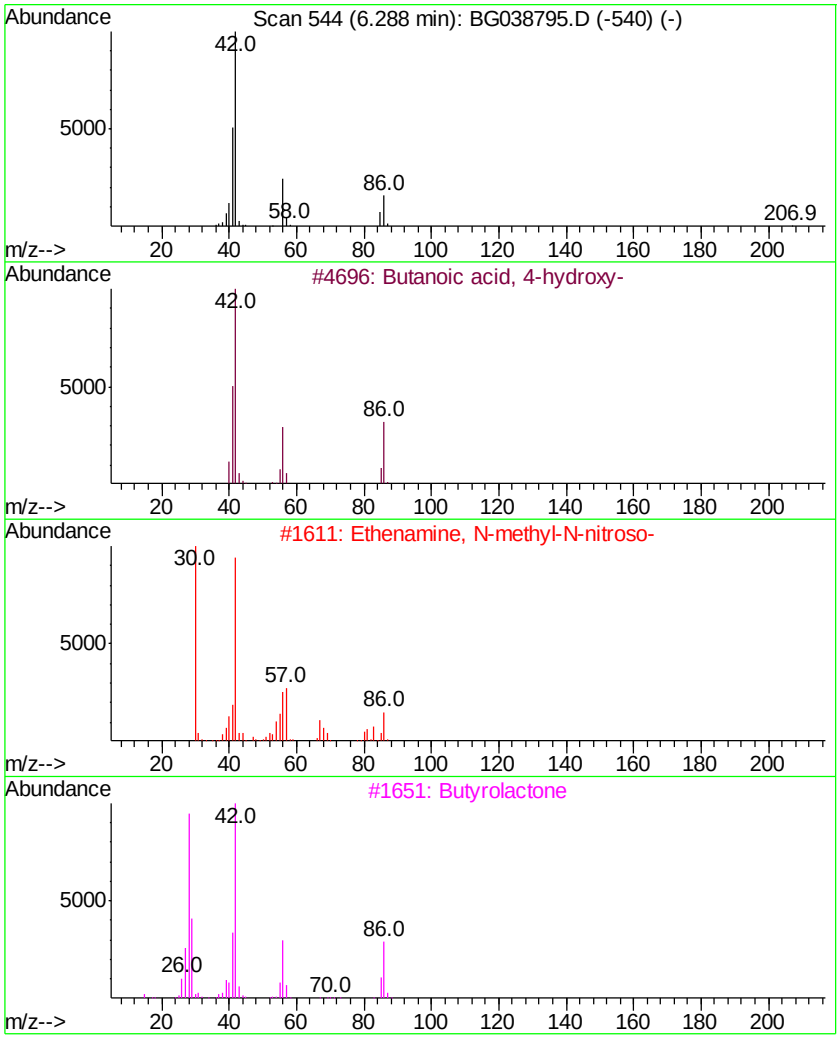
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

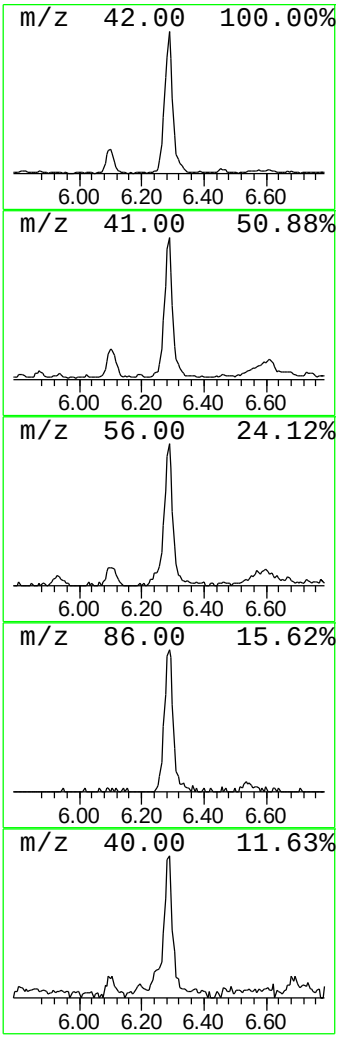
****

Peak Number 5 Butanoic acid, 4-hydroxy- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.29	20.83 ng	198099	1,4-Dichlorobenzene-d4	8.06

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butanoic acid, 4-hydroxy-	104	C4H8O3	000591-81-1	83
2	Ethenamine, N-methyl-N-nitroso-	86	C3H6N2O	004549-40-0	64
3	Butyrolactone	86	C4H6O2	000096-48-0	16
4	1-Butene	56	C4H8	000106-98-9	9
5	2-Butene, (E)-	56	C4H8	000624-64-6	9





Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG122118\
Data File : BG038795.D
Acq On : 21 Dec 2018 20:46
Operator : JU/SJ
Sample : J6496-01
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : WATER-1

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG121218.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

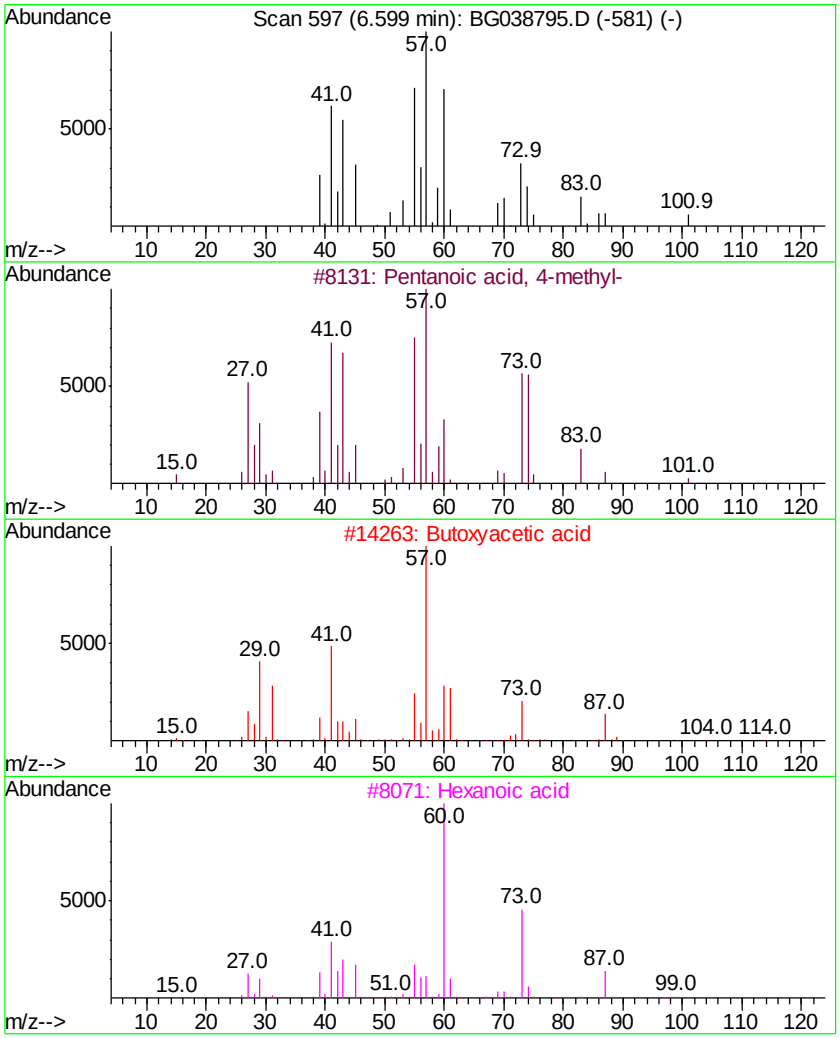
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

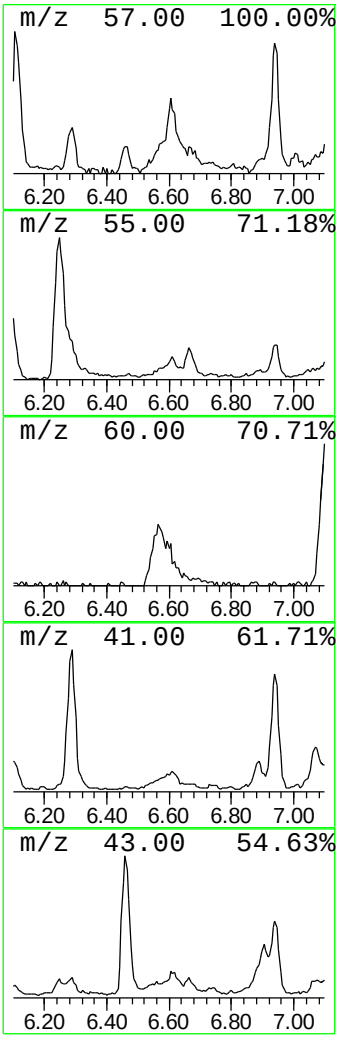
****

Peak Number 6 Pentanoic acid, 4-methyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.60	10.95 ng	104140	1,4-Dichlorobenzene-d4	8.06

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentanoic acid, 4-methyl-	116	C6H12O2	000646-07-1	59
2	Butoxyacetic acid	132	C6H12O3	002516-93-0	25
3	Hexanoic acid	116	C6H12O2	000142-62-1	23
4	4-Heptanol, 3-methyl-	130	C8H18O	001838-73-9	17
5	1-Hexene, 3,5,5-trimethyl-	126	C9H18	004316-65-8	14





Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG122118\
Data File : BG038795.D
Acq On : 21 Dec 2018 20:46
Operator : JU/SJ
Sample : J6496-01
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : WATER-1

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG121218.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

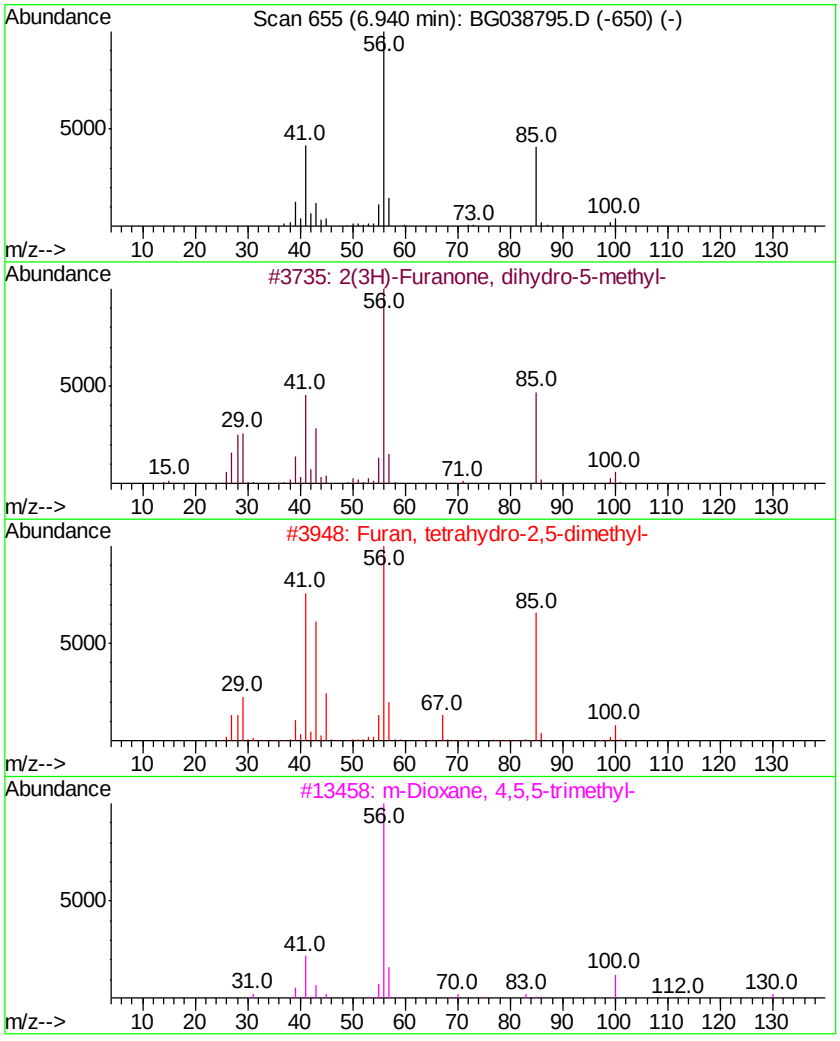
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

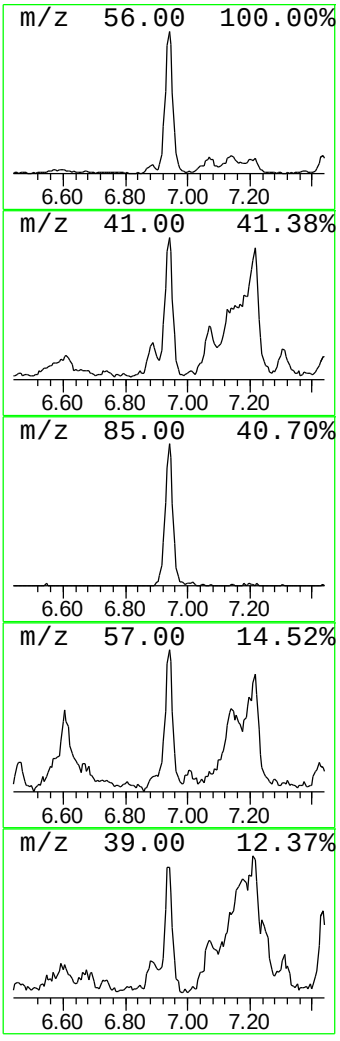
****

Peak Number 7 2(3H)-Furanone, dihydro-5-m... Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.94	21.24 ng	202004	1,4-Dichlorobenzene-d4	8.06

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2(3H)-Furanone, dihydro-5-methyl-	100	C5H8O2	000108-29-2	90
2	Furan, tetrahydro-2,5-dimethyl-	100	C6H12O	001003-38-9	56
3	m-Dioxane, 4,5,5-trimethyl-	130	C7H14O2	006301-68-4	50
4	Succinic anhydride	100	C4H4O3	000108-30-5	47
5	Formic acid, butyl ester	102	C5H10O2	000592-84-7	42





Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG122118\
Data File : BG038795.D
Acq On : 21 Dec 2018 20:46
Operator : JU/SJ
Sample : J6496-01
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : WATER-1

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG121218.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

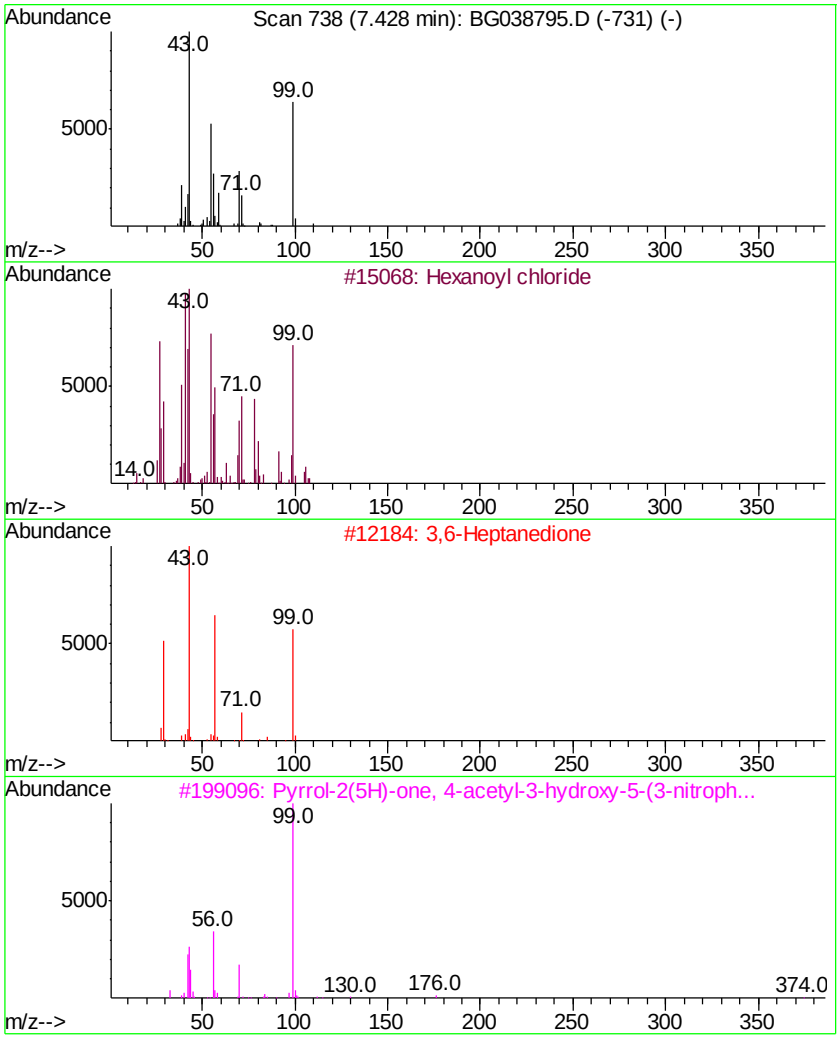
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

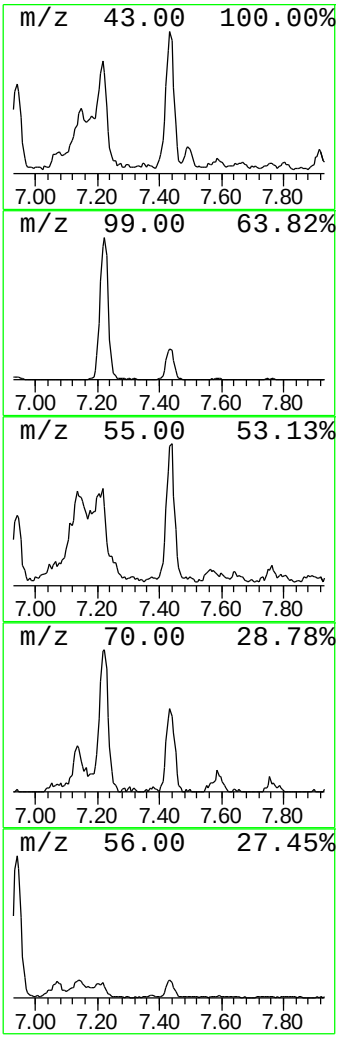
****

Peak Number 8 unknown7.43 Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.43	13.57 ng	129115	1,4-Dichlorobenzene-d4	8.06

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexanoyl chloride	134	C6H11ClO	000142-61-0	45
2	3,6-Heptanedione	128	C7H12O2	001703-51-1	38
3	Pyrrol-2(5H)-one, 4-acetyl-3-hyd...	374	C18H22N4O5	302566-41-2	38
4	Hexanoic acid, anhydride	214	C12H22O3	002051-49-2	37
5	Hexane, 3-methyl-	100	C7H16	000589-34-4	35





Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG122118\
Data File : BG038795.D
Acq On : 21 Dec 2018 20:46
Operator : JU/SJ
Sample : J6496-01
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : WATER-1

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG121218.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

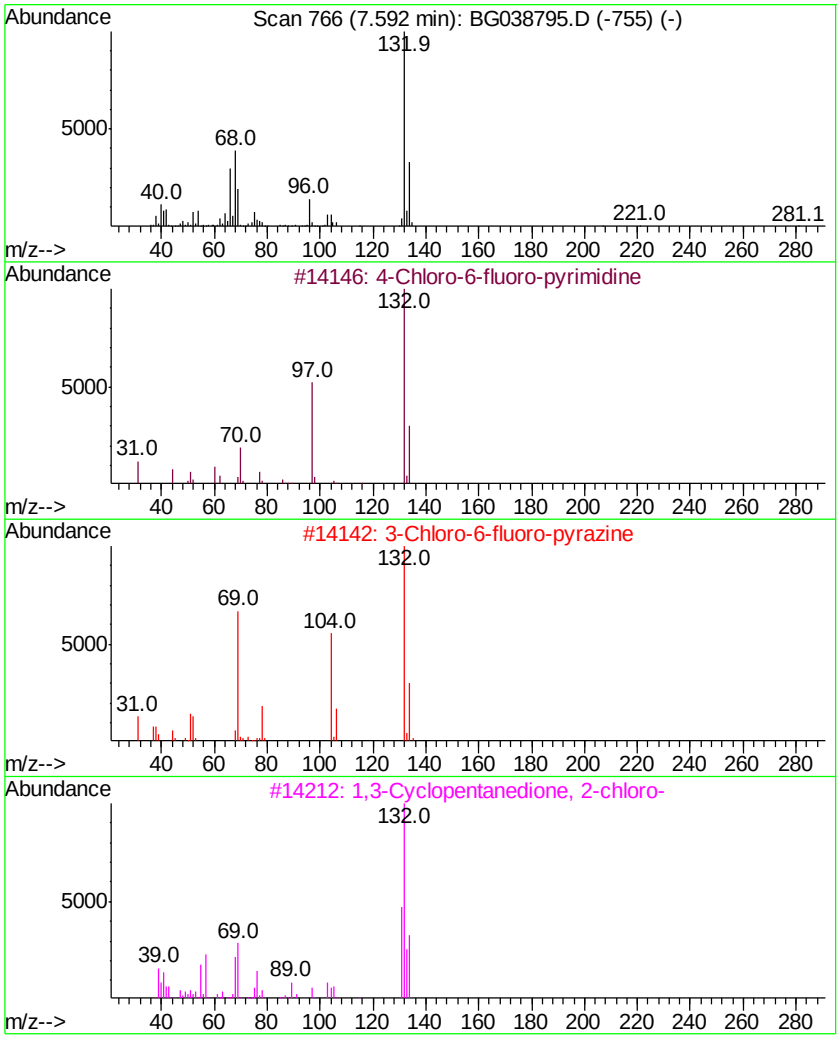
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

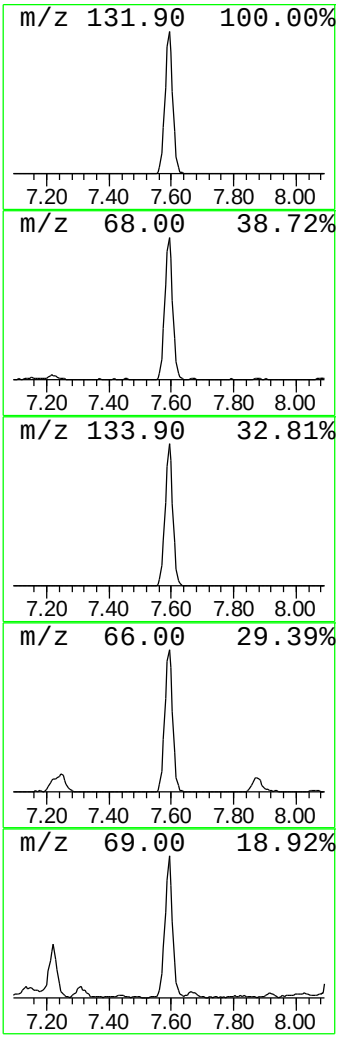
****

Peak Number 9 unknown7.59 Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.59	84.20 ng	800977	1,4-Dichlorobenzene-d4	8.06

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4-Chloro-6-fluoro-pyrimidine	132	C4H2ClFN2	051422-01-6	27
2	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	27
3	1,3-Cyclopentanedione, 2-chloro-	132	C5H5ClO2	014203-19-1	25
4	1H-Benzimidazole, 2-methyl-	132	C8H8N2	000615-15-6	22
5	Imidazole, 4,5-dicyano-1-methyl-	132	C6H4N4	019485-35-9	22





Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG122118\
Data File : BG038795.D
Acq On : 21 Dec 2018 20:46
Operator : JU/SJ
Sample : J6496-01
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : WATER-1

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG121218.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

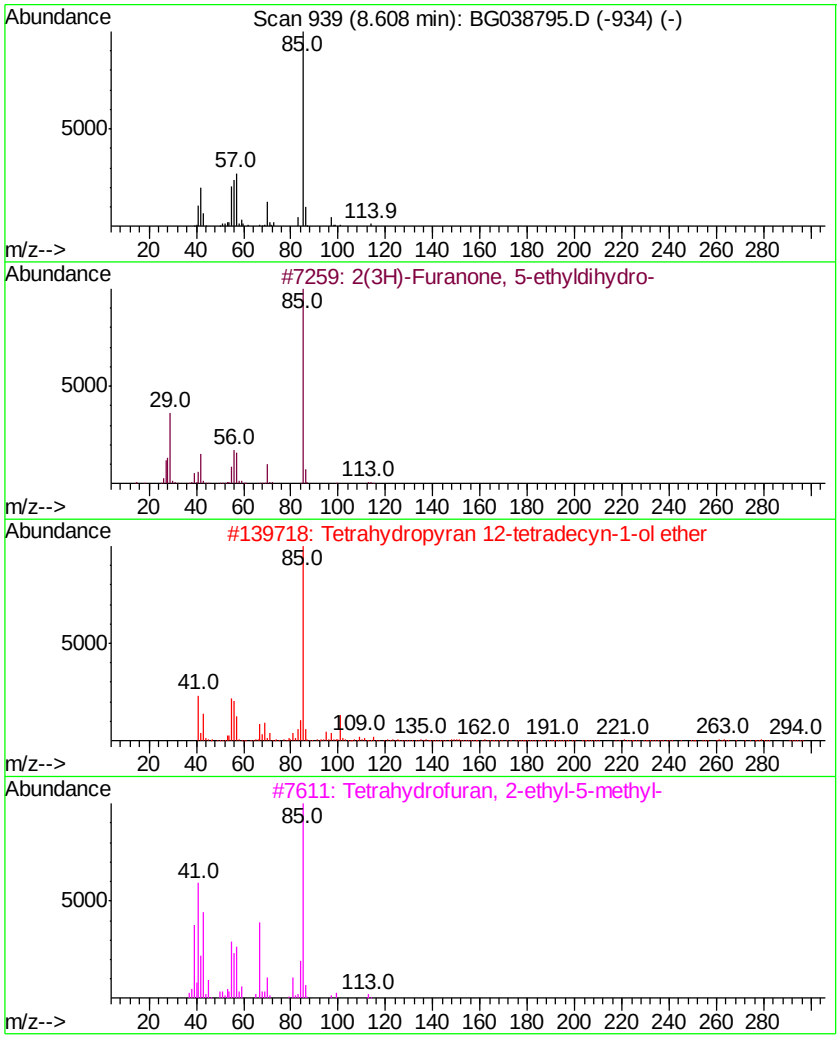
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

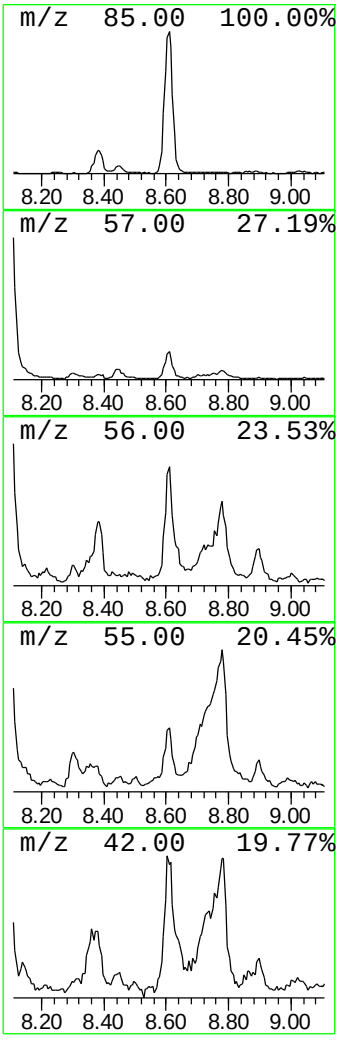
****

Peak Number 11 2(3H)-Furanone, 5-ethyldihy... Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.61	16.43 ng	156272	1,4-Dichlorobenzene-d4	8.06

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2(3H)-Furanone, 5-ethyldihydro-	114	C6H10O2	000695-06-7	86
2	Tetrahydropyran 12-tetradecyn-1-...	294	C19H34O2	096249-40-0	45
3	Tetrahydrofuran, 2-ethyl-5-methyl-	114	C7H14O	000931-39-5	43
4	n-Decanol tetrahydropyran ether	242	C15H30O2	110477-35-5	38
5	2-Pyrrolidinone	85	C4H7NO	000616-45-5	36





Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG122118\
Data File : BG038795.D
Acq On : 21 Dec 2018 20:46
Operator : JU/SJ
Sample : J6496-01
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : WATER-1

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG121218.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

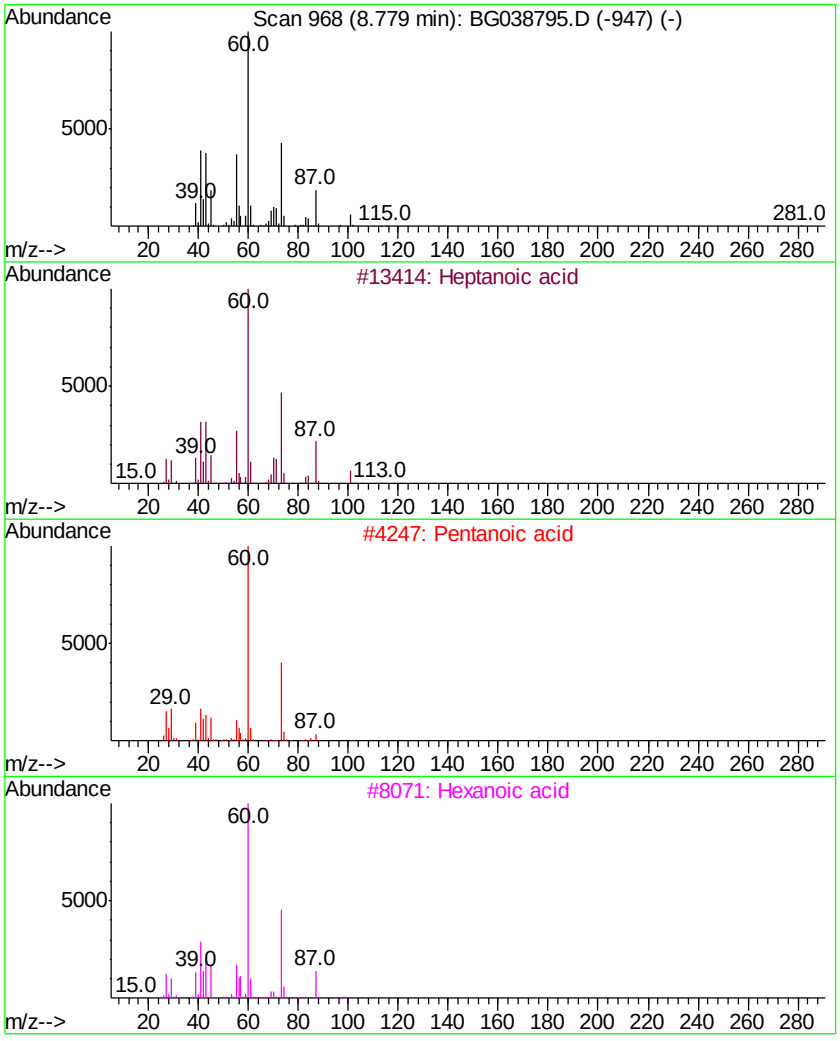
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

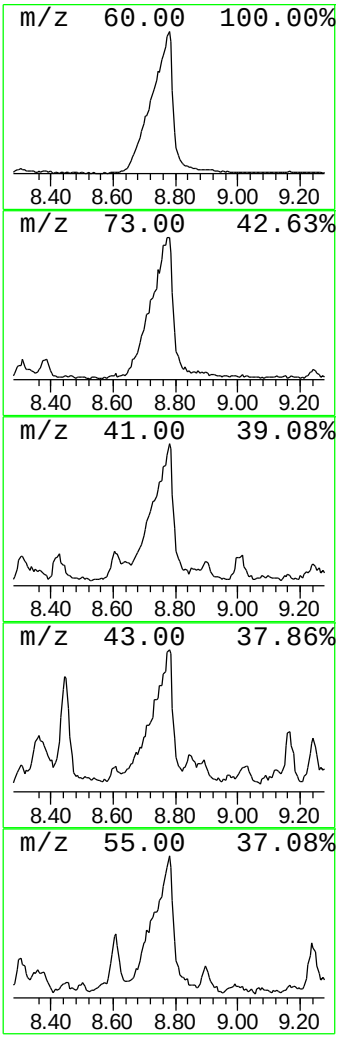
****

Peak Number 12 Heptanoic acid Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.78	64.08 ng	609501	1,4-Dichlorobenzene-d4	8.06

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptanoic acid	130	C7H14O2	000111-14-8	86
2	Pentanoic acid	102	C5H10O2	000109-52-4	64
3	Hexanoic acid	116	C6H12O2	000142-62-1	64
4	Pentanoic acid, 3-methyl-	116	C6H12O2	000105-43-1	64
5	Butanoic acid, 3-methyl-	102	C5H10O2	000503-74-2	62





Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG122118\
Data File : BG038795.D
Acq On : 21 Dec 2018 20:46
Operator : JU/SJ
Sample : J6496-01
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : WATER-1

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG121218.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

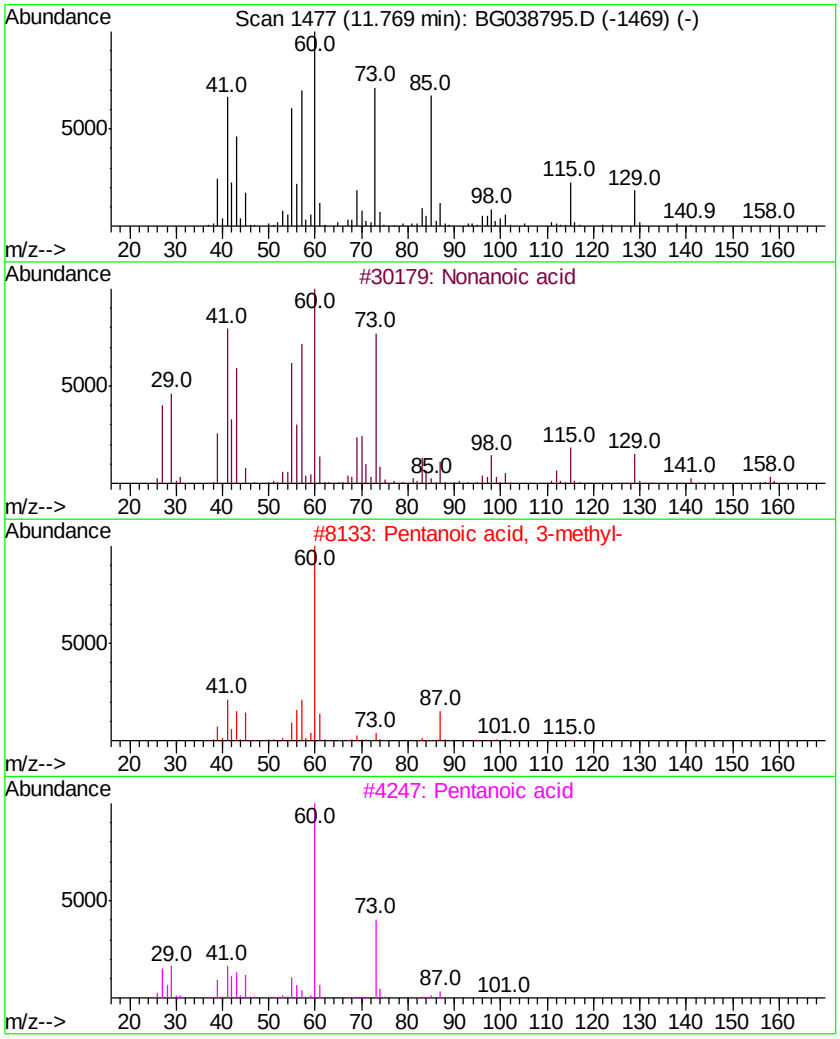
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

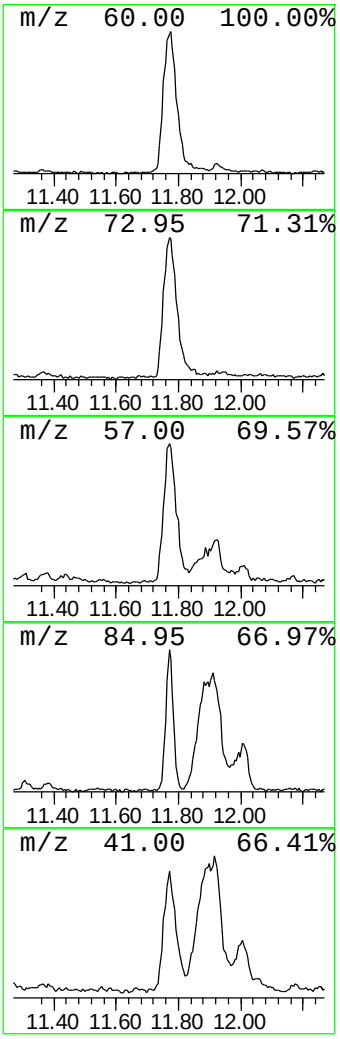
****

Peak Number 14 Nonanoic acid Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.77	33.17 ng	459992	Naphthalene-d8	10.88

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Nonanoic acid	158	C9H18O2	000112-05-0	72
2	Pentanoic acid, 3-methyl-	116	C6H12O2	000105-43-1	47
3	Pentanoic acid	102	C5H10O2	000109-52-4	43
4	Formic acid hydrazide	60	CH4N2O	000624-84-0	38
5	Butanoic acid, 4-chloro-	122	C4H7ClO2	000627-00-9	38





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG122118\
Data File : BG038795.D
Acq On : 21 Dec 2018 20:46
Operator : JU/SJ
Sample : J6496-01
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : WATER-1

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG121218.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

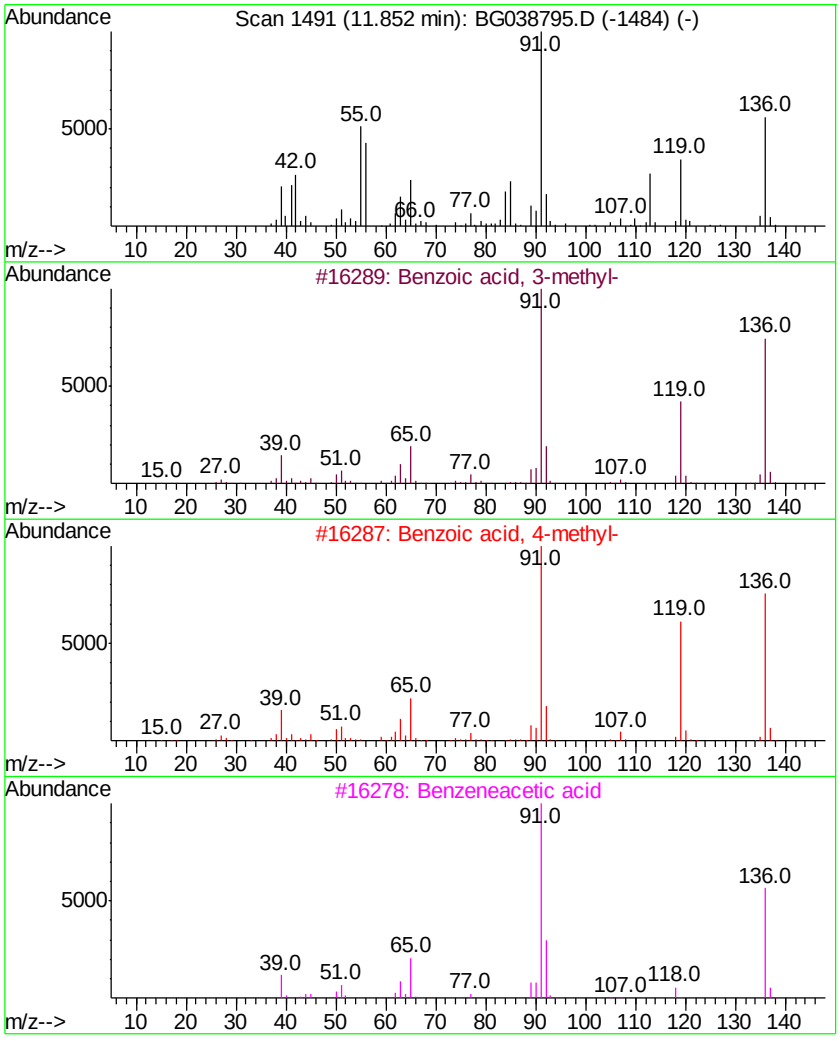
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

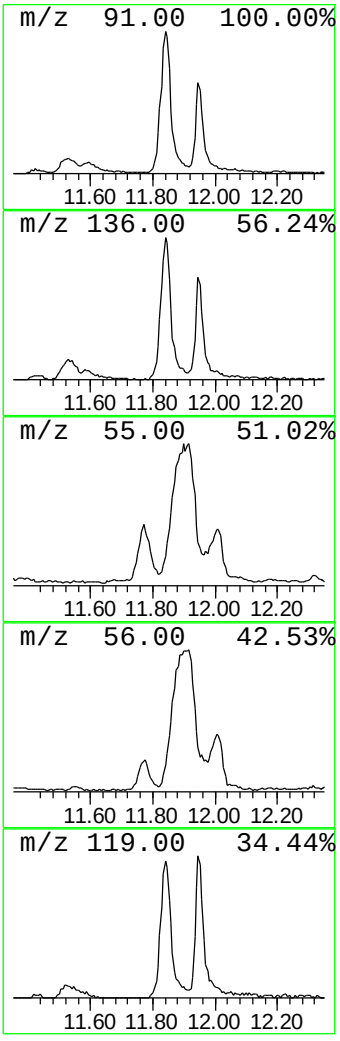
****

Peak Number 15 Benzoic acid, 3-methyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.85	17.60 ng	244060	Naphthalene-d8	10.88

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzoic acid, 3-methyl-	136	C8H8O2	000099-04-7	95
2	Benzoic acid, 4-methyl-	136	C8H8O2	000099-94-5	81
3	Benzeneacetic acid	136	C8H8O2	000103-82-2	60
4	Propanedioic acid, phenyl-	180	C9H8O4	002613-89-0	47
5	Phthalan	120	C8H8O	000496-14-0	38





Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG122118\
Data File : BG038795.D
Acq On : 21 Dec 2018 20:46
Operator : JU/SJ
Sample : J6496-01
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : WATER-1

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG121218.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

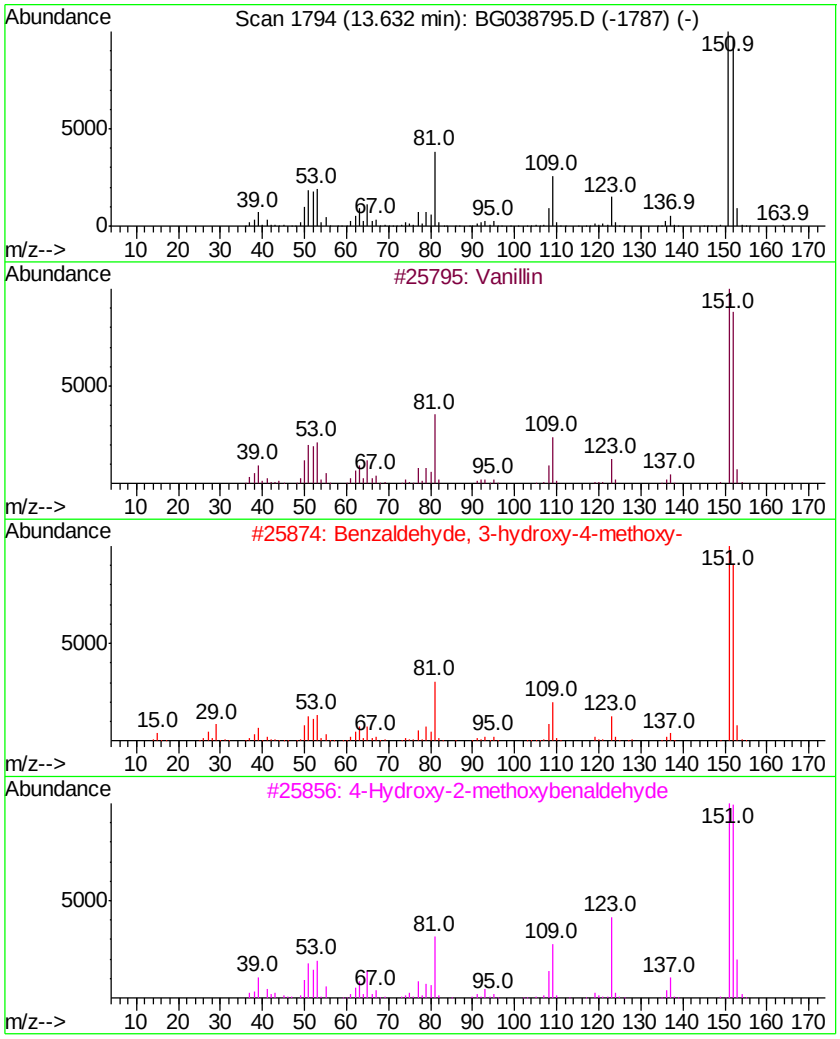
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

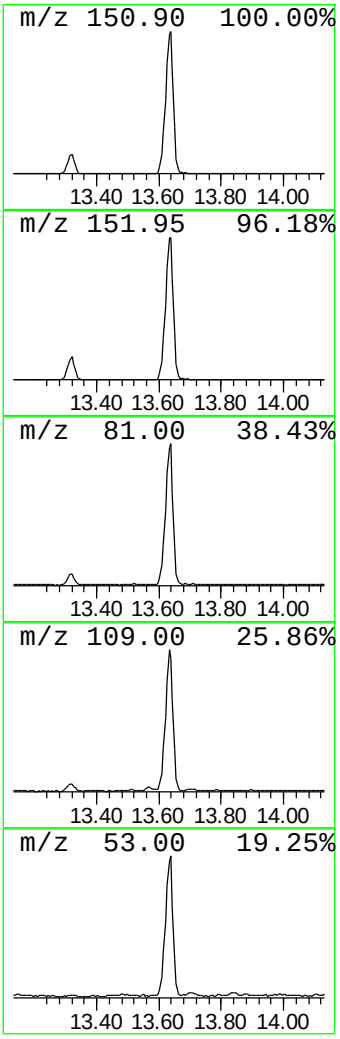
****

Peak Number 16 Vanillin Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.63	55.46 ng	1202300	Acenaphthene-d10	14.70

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Vanillin	152	C8H8O3	000121-33-5	98
2	Benzaldehyde, 3-hydroxy-4-methoxy-	152	C8H8O3	000621-59-0	96
3	4-Hydroxy-2-methoxybenaldehyde	152	C8H8O3	018278-34-7	74
4	Benzaldehyde, 3-(chloroacetoxy)-...	228	C10H9ClO4	066267-38-7	72
5	Benzaldehyde, 2,4-dihydroxy-6-me...	152	C8H8O3	000487-69-4	53





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG122118\
Data File : BG038795.D
Acq On : 21 Dec 2018 20:46
Operator : JU/SJ
Sample : J6496-01
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : WATER-1

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG121218.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

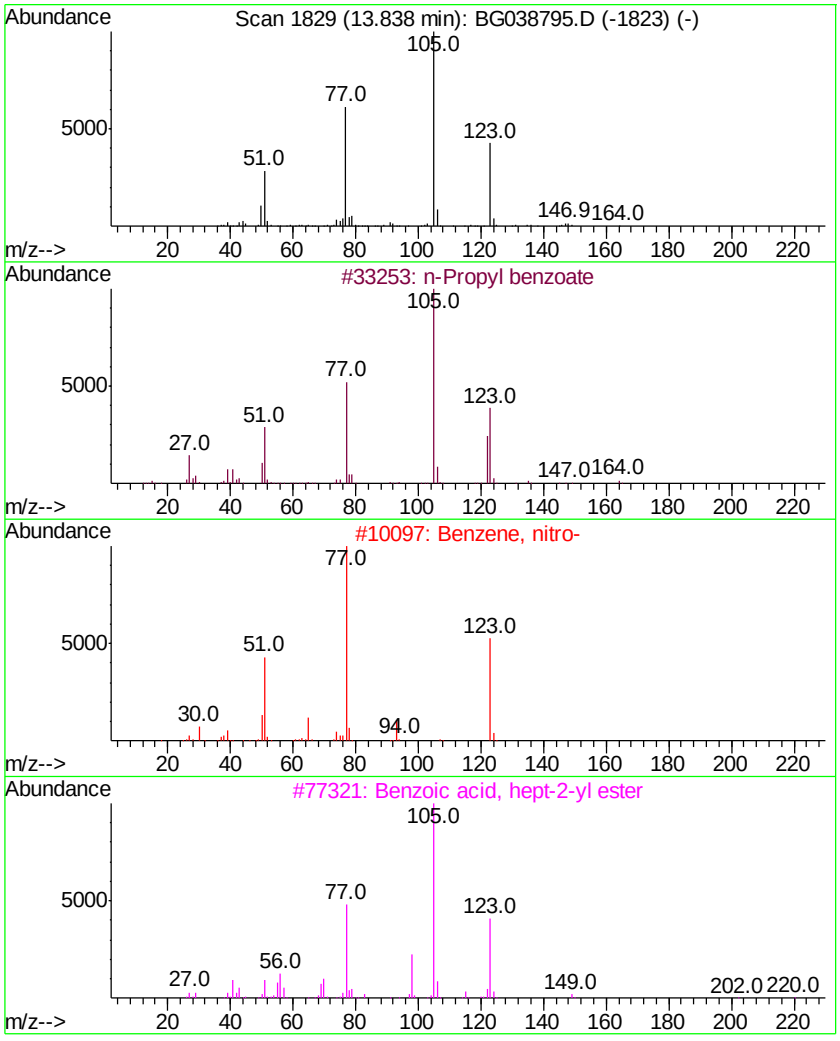
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

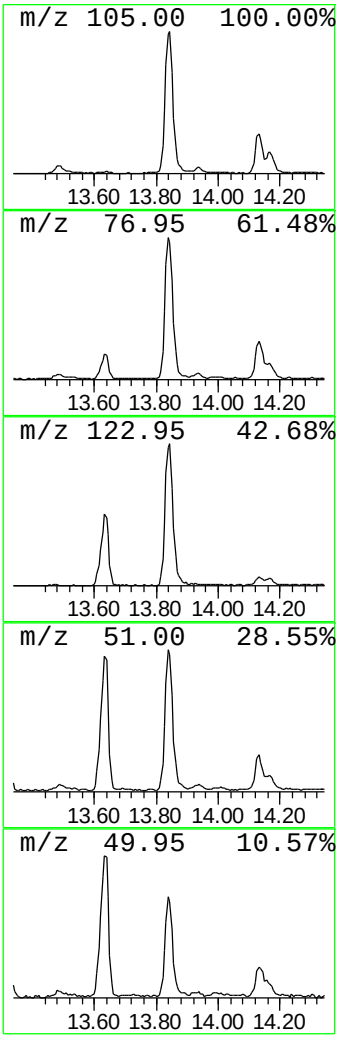
****

Peak Number 17 n-Propyl benzoate Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.84	25.05 ng	543052	Acenaphthene-d10	14.70

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Propyl benzoate	164	C10H12O2	002315-68-6	78
2	Benzene, nitro-	123	C6H5NO2	000098-95-3	68
3	Benzoic acid, hept-2-yl ester	220	C14H20O2	1000368-69-4	64
4	Butyl benzoate	178	C11H14O2	000136-60-7	64
5	Benzoic acid, pent-2-yl ester	192	C12H16O2	039180-02-4	64





Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG122118\
Data File : BG038795.D
Acq On : 21 Dec 2018 20:46
Operator : JU/SJ
Sample : J6496-01
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : WATER-1

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG121218.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

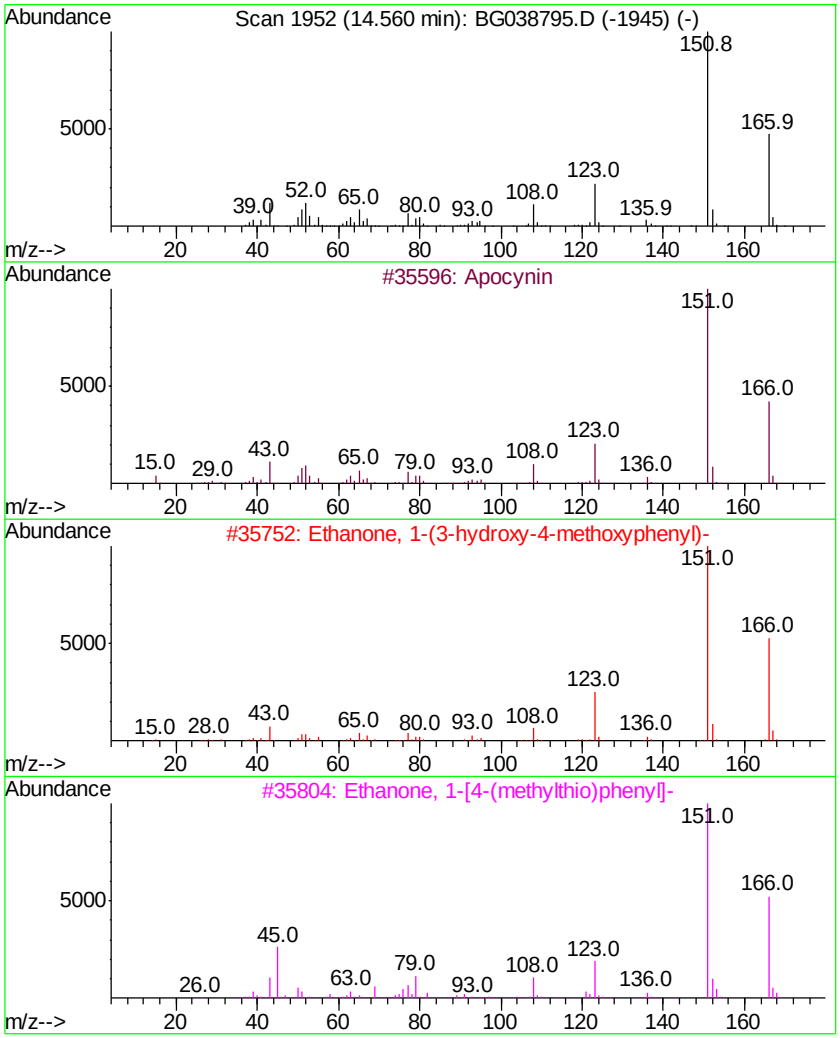
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

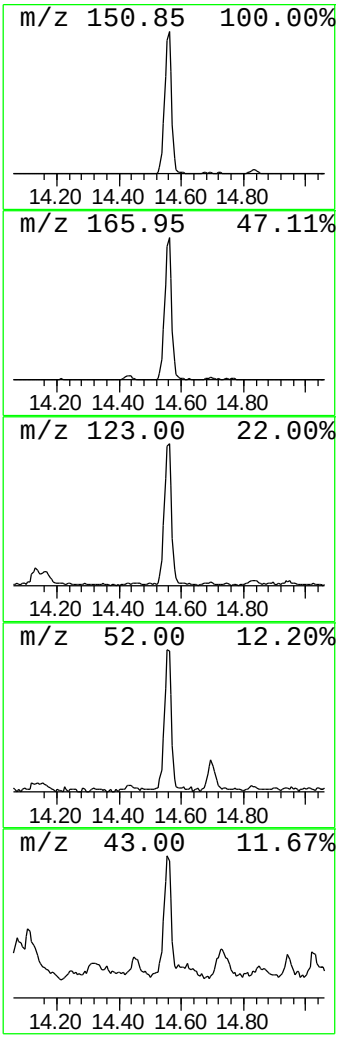
****

Peak Number 18 Apocynin Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.56	22.18 ng	480880	Acenaphthene-d10	14.70

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Apocynin	166	C9H10O3	000498-02-2	96
2	Ethanone, 1-(3-hydroxy-4-methoxy...	166	C9H10O3	006100-74-9	90
3	Ethanone, 1-[4-(methylthio)phenyl]-	166	C9H10OS	001778-09-2	87
4	Stibine, trimethyl-	166	C3H9Sb	000594-10-5	83
5	Ethanone, 1-(2-hydroxy-4-methoxy...	166	C9H10O3	000552-41-0	74





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG122118\
Data File : BG038795.D
Acq On : 21 Dec 2018 20:46
Operator : JU/SJ
Sample : J6496-01
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : WATER-1

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG121218.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

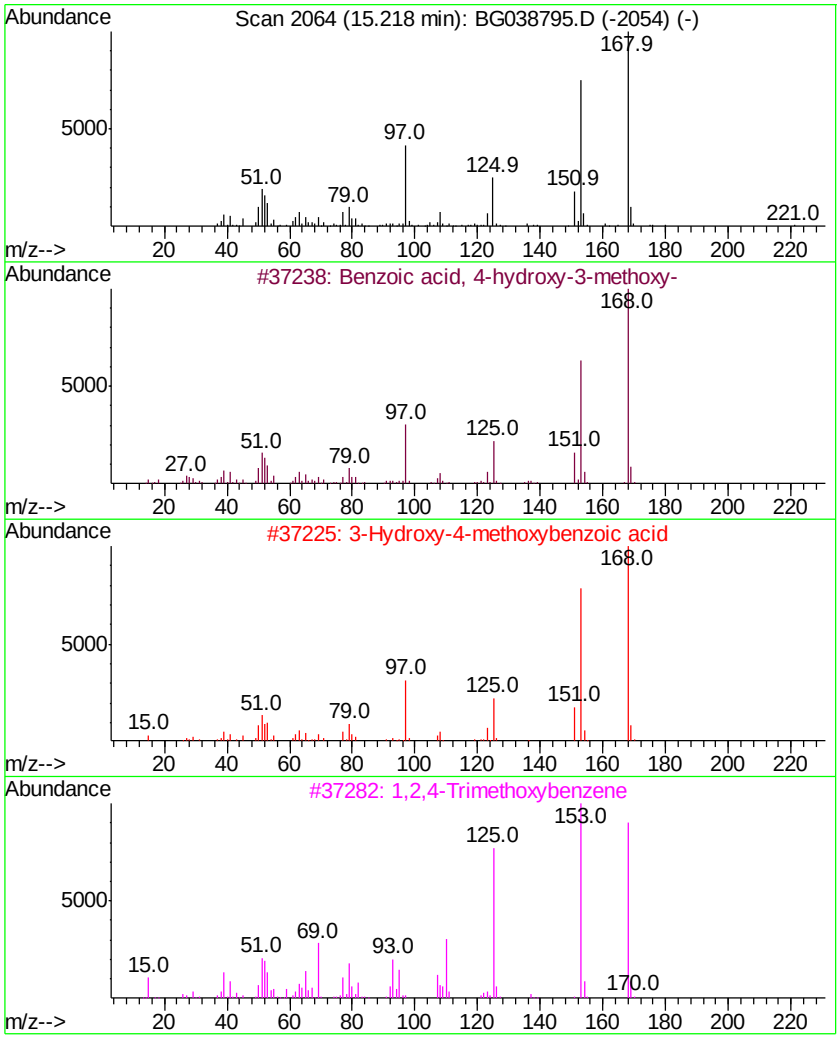
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

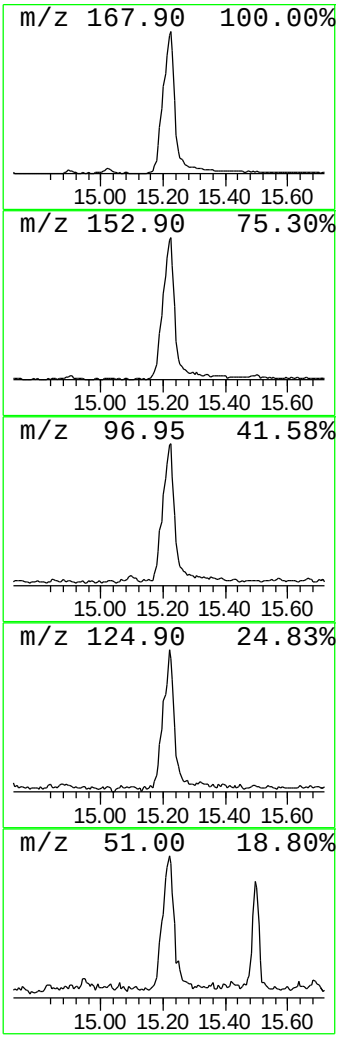
****

Peak Number 19 Benzoic acid, 4-hydroxy-3-m... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.22	24.43 ng	529640	Acenaphthene-d10	14.70

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzoic acid, 4-hydroxy-3-methoxy-	168	C8H8O4	000121-34-6	97
2	3-Hydroxy-4-methoxybenzoic acid	168	C8H8O4	000645-08-9	94
3	1,2,4-Trimethoxybenzene	168	C9H12O3	000135-77-3	76
4	1,2,3-Trimethoxybenzene	168	C9H12O3	000634-36-6	64
5	5-Acetyl-2-methyl-3-thiophenecar...	168	C8H8O2S	090345-55-4	50





Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG122118\
Data File : BG038795.D
Acq On : 21 Dec 2018 20:46
Operator : JU/SJ
Sample : J6496-01
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : WATER-1

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG121218.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

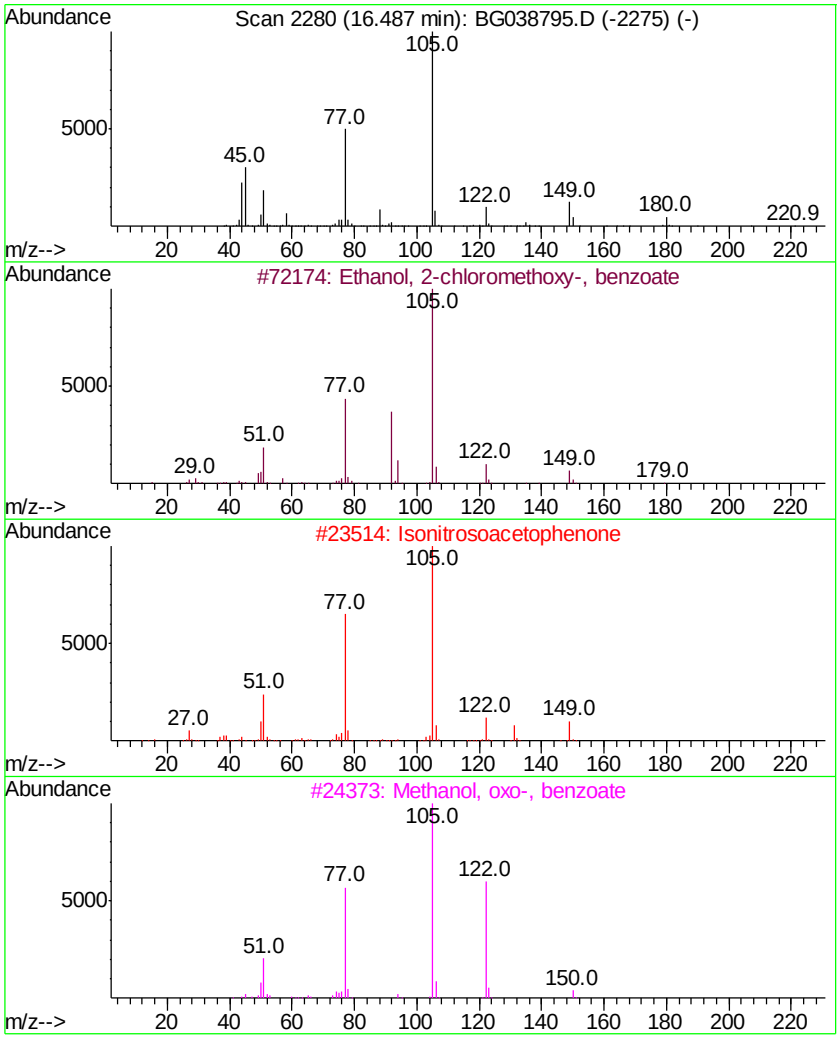
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

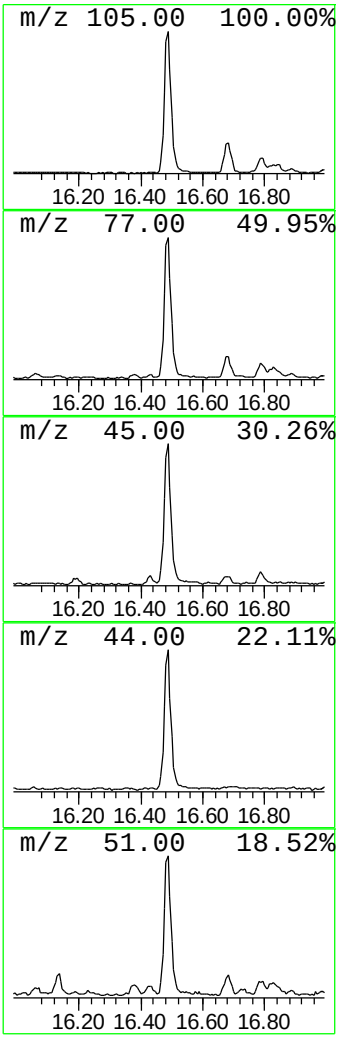
****

Peak Number 20 Ethanol, 2-chloromethoxy-, ... Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.49	17.93 ng	497509	Phenanthrene-d10	17.45

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Ethanol, 2-chloromethoxy-, benzoate	214	C10H11ClO3	058305-05-8	50
2	Isonitrosoacetophenone	149	C8H7NO2	000532-54-7	43
3	Methanol, oxo-, benzoate	150	C8H6O3	1000305-65-2	43
4	Diethylene glycol dibenzoate	314	C18H18O5	000120-55-8	43
5	n-Propyl benzoate	164	C10H12O2	002315-68-6	38





Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG122118\
Data File : BG038795.D
Acq On : 21 Dec 2018 20:46
Operator : JU/SJ
Sample : J6496-01
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : WATER-1

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG121218.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT 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-Butanone, 3-met...	3.26	11.3	ng	107543	1	8.06	190245	20.0
2-Furanmethanol	5.30	58.2	ng	554001	1	8.06	190245	20.0
1-Hexene	5.52	11.7	ng	111113	1	8.06	190245	20.0
unknown6.25	6.25	13.8	ng	130947	1	8.06	190245	20.0
Butanoic acid, 4-...	6.29	20.8	ng	198099	1	8.06	190245	20.0
Pentanoic acid, 4...	6.60	10.9	ng	104140	1	8.06	190245	20.0
2(3H)-Furanone, d...	6.94	21.2	ng	202004	1	8.06	190245	20.0
unknown7.43	7.43	13.6	ng	129115	1	8.06	190245	20.0
unknown7.59	7.59	84.2	ng	800977	1	8.06	190245	20.0
2(3H)-Furanone, 5...	8.61	16.4	ng	156272	1	8.06	190245	20.0
Heptanoic acid	8.78	64.1	ng	609501	1	8.06	190245	20.0
Nonanoic acid	11.77	33.2	ng	459992	2	10.88	277385	20.0
Benzoic acid, 3-m...	11.85	17.6	ng	244060	2	10.88	277385	20.0
Vanillin	13.63	55.5	ng	1202300	3	14.70	433545	20.0
n-Propyl benzoate	13.84	25.1	ng	543052	3	14.70	433545	20.0
Apocynin	14.56	22.2	ng	480880	3	14.70	433545	20.0
Benzoic acid, 4-h...	15.22	24.4	ng	529640	3	14.70	433545	20.0
Ethanol, 2-chloro...	16.49	17.9	ng	497509	4	17.45	554878	20.0