LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG122718\
Data File : BG038849.D
Acq On : 27 Dec 2018 18:40
Operator : JU/SJ
Sample : J6533-13
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : COMP-3

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	4.157	167	182	188	rBV3	42928	158625	1.34%	0.498%
2	5.609	422	429	447	rVB	231560	428849	3.63%	1.345%
3	6.102	507	513	520	rBV	94215	155810	1.32%	0.489%
4	6.366	549	558	569	rBV2	101787	266899	2.26%	0.837%
5	6.549	583	589	599	rBV	113824	211573	1.79%	0.664%
6	7.242	697	707	720	rVB2	121254	367174	3.11%	1.152%
7	7.589	753	766	777	rBV	429273	793987	6.72%	2.491%
8	8.053	839	845	848	rBV	80920	140711	1.19%	0.441%
9	8.094	848	852	857	rVB	97495	154281	1.31%	0.484%
10	8.376	880	900	904	rBV	3015062	11811583	100.00%	37.050%
11	8.429	904	909	913	rVB	1893501	3276035	27.74%	10.276%
12	9.240	1039	1047	1059	rBV	312282	592316	5.01%	1.858%
13	9.428	1065	1079	1093	rBV2	103237	353289	2.99%	1.108%
14	10.268	1205	1222	1227	rBV	101813	407976	3.45%	1.280%
15	10.327	1227	1232	1236	rVV2	59265	155900	1.32%	0.489%
16	10.650	1276	1287	1296	rBV	1535397	3181027	26.93%	9.978%
17	10.750	1298	1304	1314	rVV3	46894	124265	1.05%	0.390%
18	10.873	1317	1325	1331	rVV	107092	203436	1.72%	0.638%
19	11.102	1354	1364	1371	rBV	73155	163081	1.38%	0.512%
20	11.696	1458	1465	1481	rBV5	109238	292909	2.48%	0.919%
21	12.066	1521	1528	1538	rVB2	72355	194334	1.65%	0.610%
22	12.195	1545	1550	1556	rVB	73398	127284	1.08%	0.399%
23	13.112	1697	1706	1718	rBV4	81389	192602	1.63%	0.604%
24	13.311	1731	1740	1747	rVB	906984	1478051	12.51%	4.636%
25	14.692	1968	1975	1985	rVB3	267352	452151	3.83%	1.418%
26	16.184	2222	2229	2237	rBV	784712	1256726	10.64%	3.942%
27	17.442	2436	2443	2454	rBV	263034	453786	3.84%	1.423%
28	18.041	2538	2545	2549	rBV3	62600	132392	1.12%	0.415%
29	18.405	2598	2607	2613	rBV3	82191	169303	1.43%	0.531%
30	19.046	2711	2716	2722	rBV	290785	393863	3.33%	1.235%
31	19.110	2722	2727	2733	rVB	93745	151705	1.28%	0.476%
32	19.498	2789	2793	2797	rVB	102467	129727	1.10%	0.407%
33	20.039	2879	2885	2894	rVB	1551451	2177853	18.44%	6.831%
34	21.719	3164	3171	3181	rVB2	271615	474695	4.02%	1.489%

LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG122718\
Data File : BG038849.D
Acq On : 27 Dec 2018 18:40
Operator : JU/SJ
Sample : J6533-13
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : COMP-3

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	23.288	3431	3438	3446	rVB	205534	421437	3.57%	1.322%
36	25.009	3723	3731	3741	rVB2	146897	434587	3.68%	1.363%

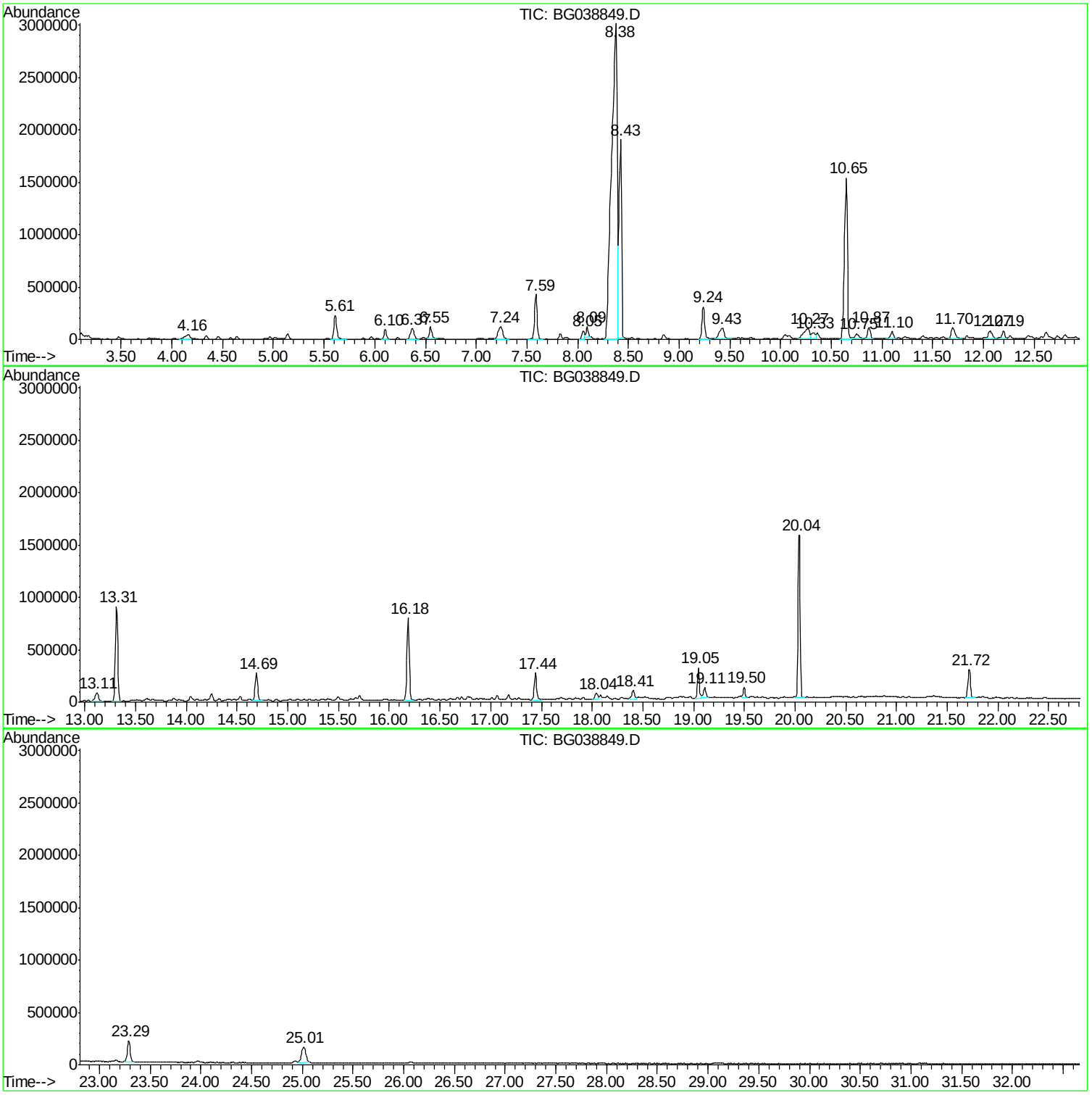
Sum of corrected areas: 31880222

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG122718\
Data File : BG038849.D
Acq On : 27 Dec 2018 18:40
Operator : JU/SJ
Sample : J6533-13
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
COMP-3

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\BG122718\
Data File : BG038849.D
Acq On : 27 Dec 2018 18:40
Operator : JU/SJ
Sample : J6533-13
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Instrument : BNA_G
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG121218.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

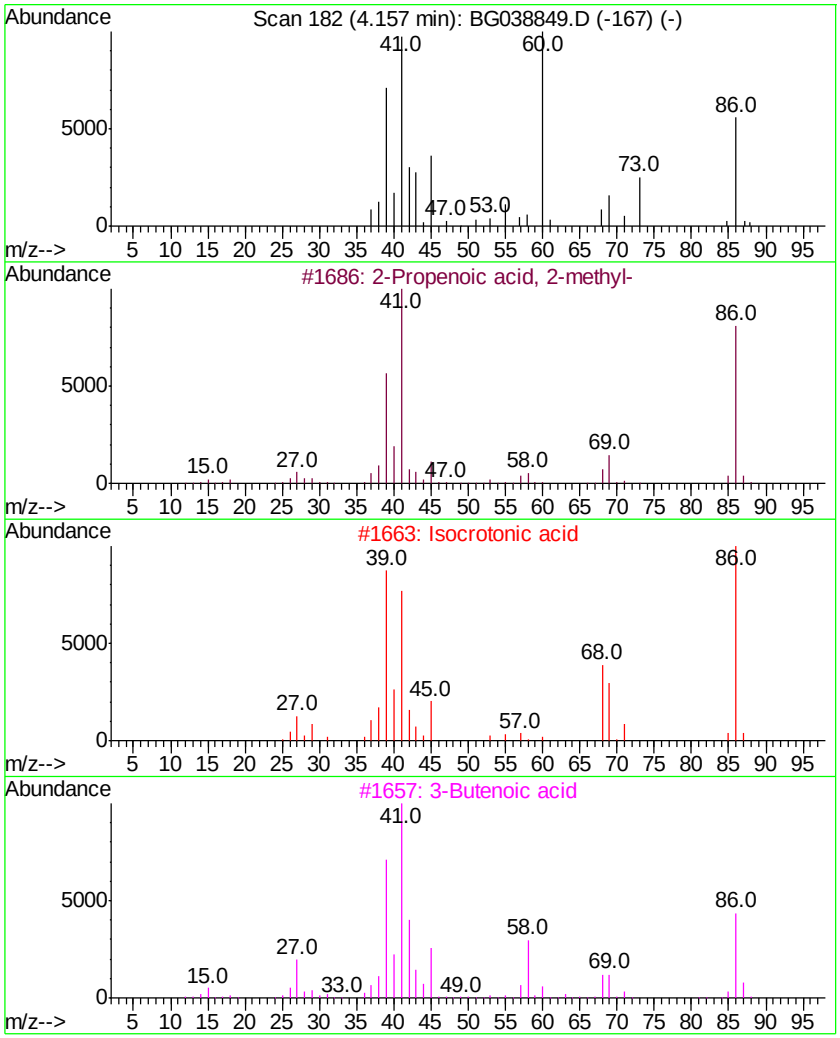
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

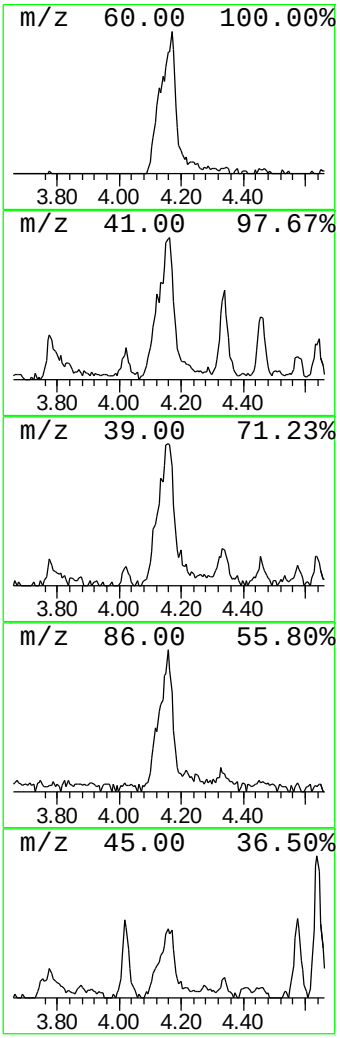
****

Peak Number 1 2-Propenoic acid, 2-methyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.16	22.55 ng	158625	1,4-Dichlorobenzene-d4	8.05

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Propenoic acid, 2-methyl-	86	C4H6O2	000079-41-4	50
2	Isocrotonic acid	86	C4H6O2	000503-64-0	38
3	3-Butenoic acid	86	C4H6O2	000625-38-7	38
4	Crotonic acid	86	C4H6O2	003724-65-0	38
5	Butanoic acid	88	C4H8O2	000107-92-6	27





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG122718\
Data File : BG038849.D
Acq On : 27 Dec 2018 18:40
Operator : JU/SJ
Sample : J6533-13
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : COMP-3

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

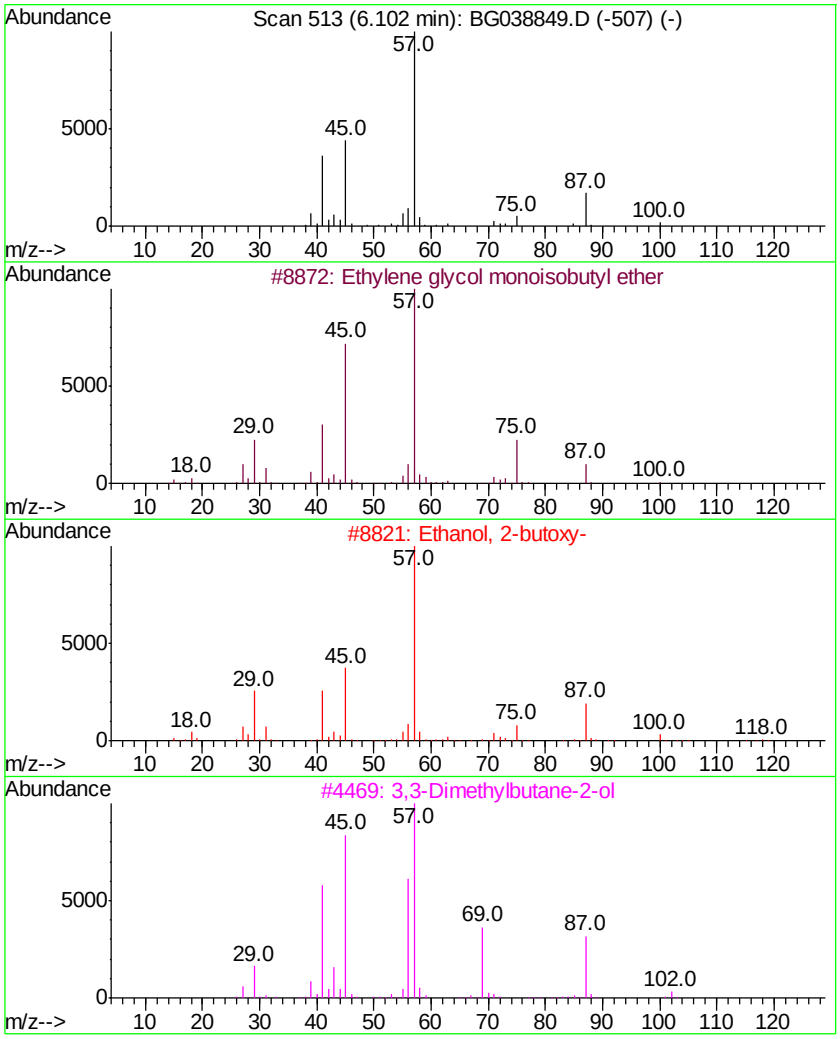
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

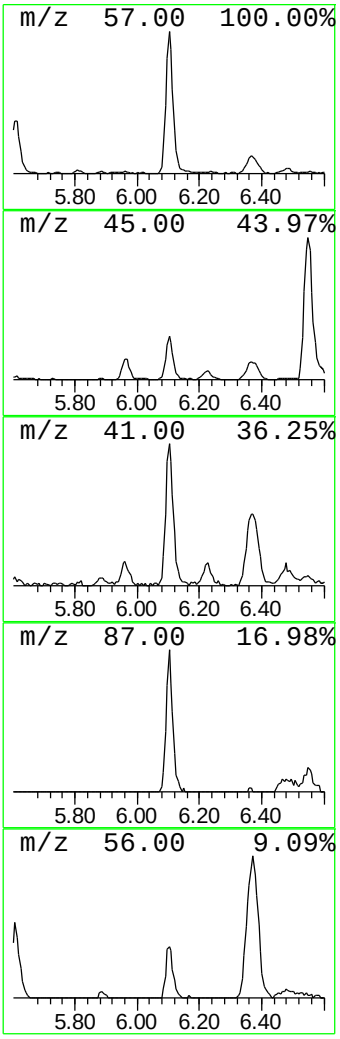
****

Peak Number 2 Ethylene glycol monoisobuty... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.10	22.15 ng	155810	1,4-Dichlorobenzene-d4	8.05

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Ethylene glycol monoisobutyl ether	118	C6H14O2	004439-24-1	64
2	Ethanol, 2-butoxy-	118	C6H14O2	000111-76-2	56
3	3,3-Dimethylbutane-2-ol	102	C6H14O	000464-07-3	40
4	Isobutyl ether	130	C8H18O	000628-55-7	12
5	1-Butene, 4-butoxy-	128	C8H16O	034061-76-2	12





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG122718\
Data File : BG038849.D
Acq On : 27 Dec 2018 18:40
Operator : JU/SJ
Sample : J6533-13
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : COMP-3

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

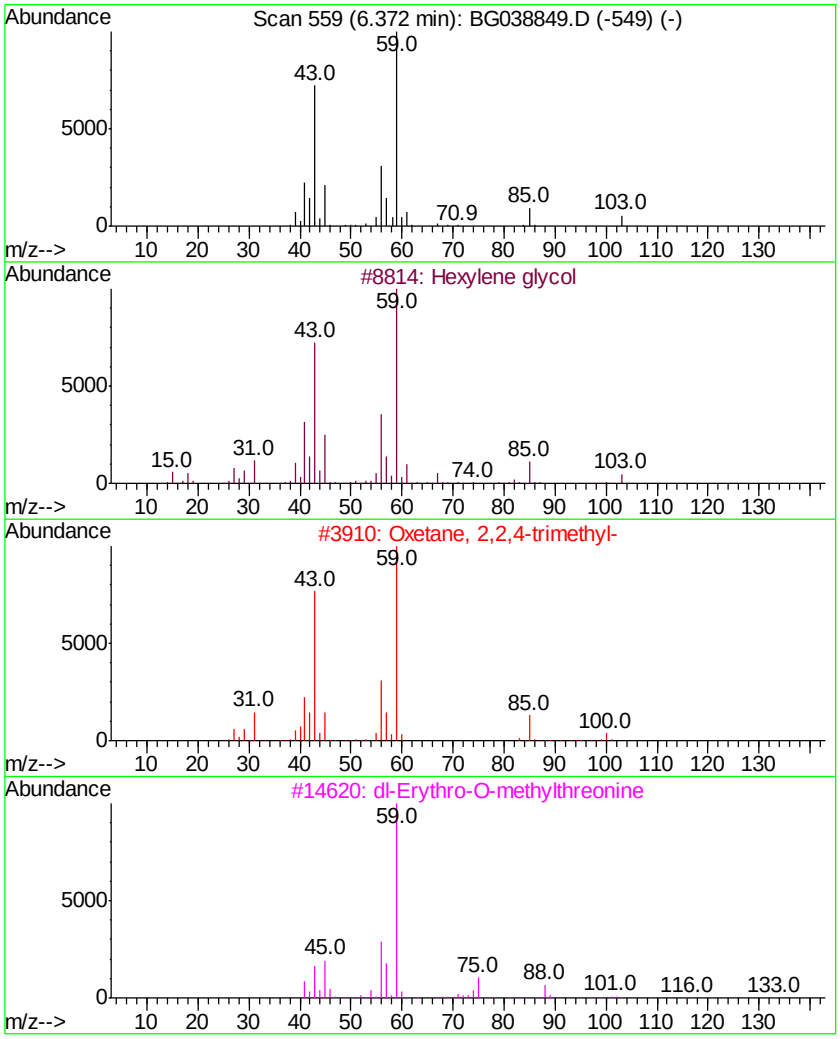
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

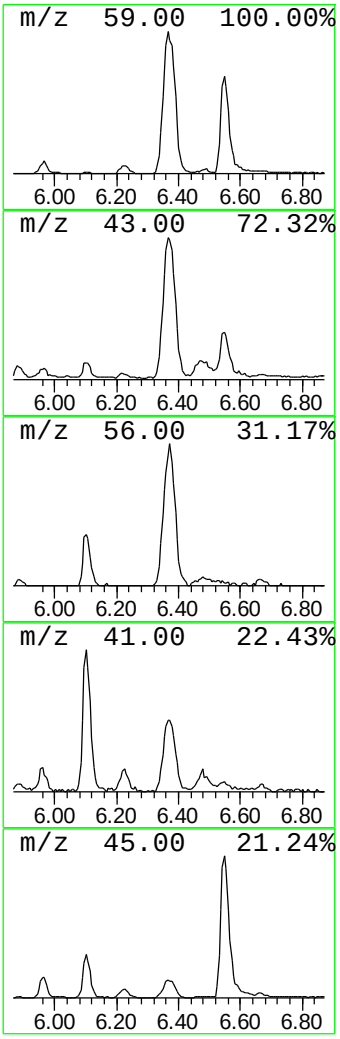
****

Peak Number 3 Hexylene glycol Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.37	37.94 ng	266899	1,4-Dichlorobenzene-d4	8.05

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexylene glycol	118	C6H14O2	000107-41-5	90
2	Oxetane, 2,2,4-trimethyl-	100	C6H12O	023120-44-7	72
3	dl-Erythro-O-methylthreonine	133	C5H11NO3	1000214-70-7	50
4	N,N-Dimethylformamide-di-t-butyl...	203	C11H25NO2	036805-97-7	45
5	2,3-Butanediol, 2,3-dimethyl-	118	C6H14O2	000076-09-5	42





Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG122718\
Data File : BG038849.D
Acq On : 27 Dec 2018 18:40
Operator : JU/SJ
Sample : J6533-13
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : COMP-3

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

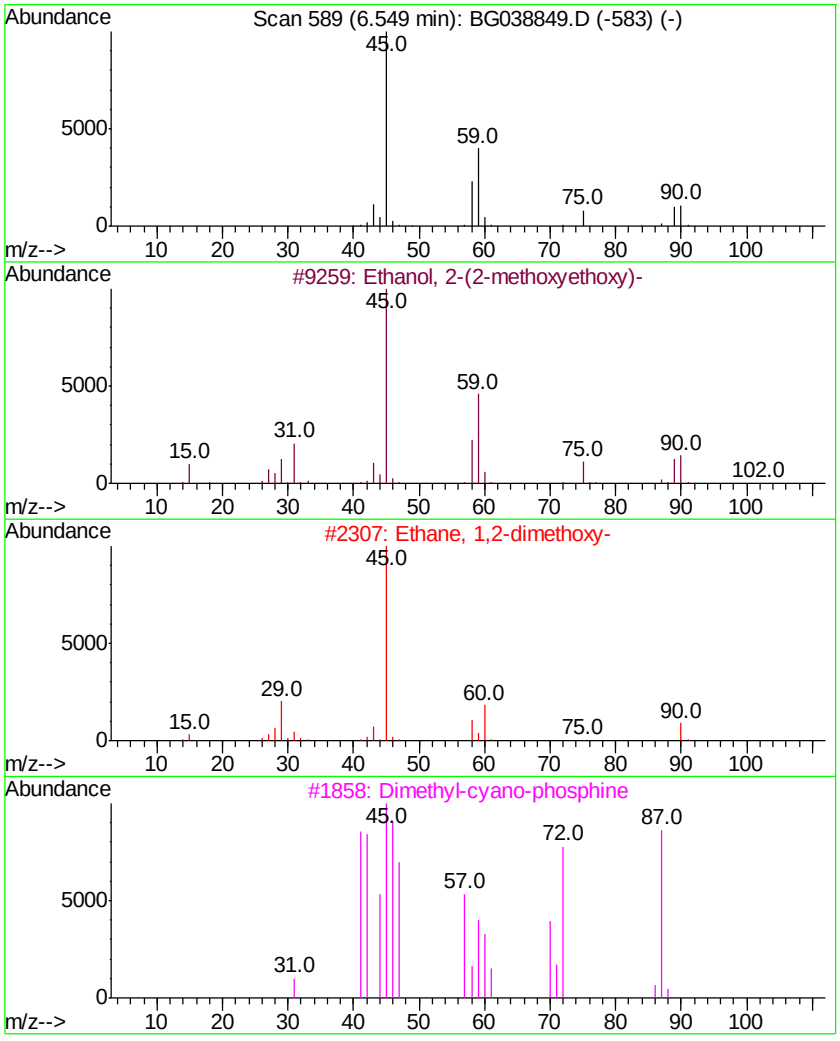
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

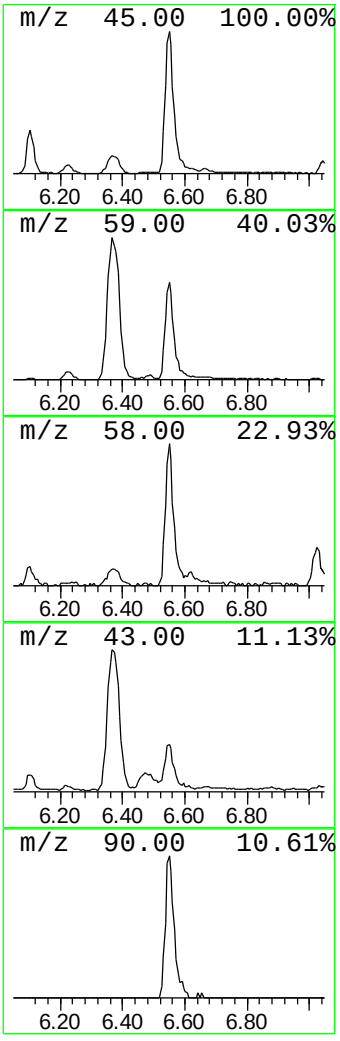
****

Peak Number 4 Ethanol, 2-(2-methoxyethoxy)- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.55	30.07 ng	211573	1,4-Dichlorobenzene-d4	8.05

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Ethanol, 2-(2-methoxyethoxy)-	120	C5H12O3	000111-77-3	90
2	Ethane, 1,2-dimethoxy-	90	C4H10O2	000110-71-4	47
3	Dimethyl-cyano-phosphine	87	C3H6NP	031641-57-3	40
4	Hydrazine, (2-methoxyethyl)-	90	C3H10N2O	003044-15-3	9
5	Acetic acid, methoxy-, methyl ester	104	C4H8O3	006290-49-9	9





Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG122718\
Data File : BG038849.D
Acq On : 27 Dec 2018 18:40
Operator : JU/SJ
Sample : J6533-13
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : COMP-3

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

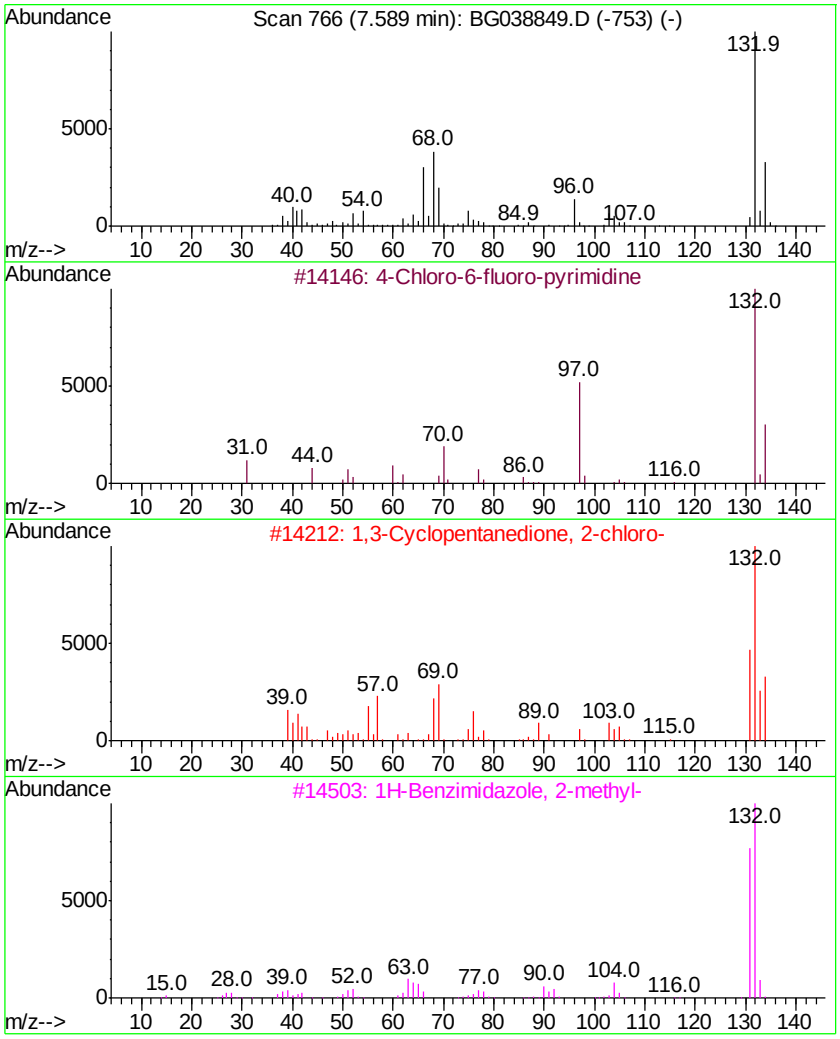
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

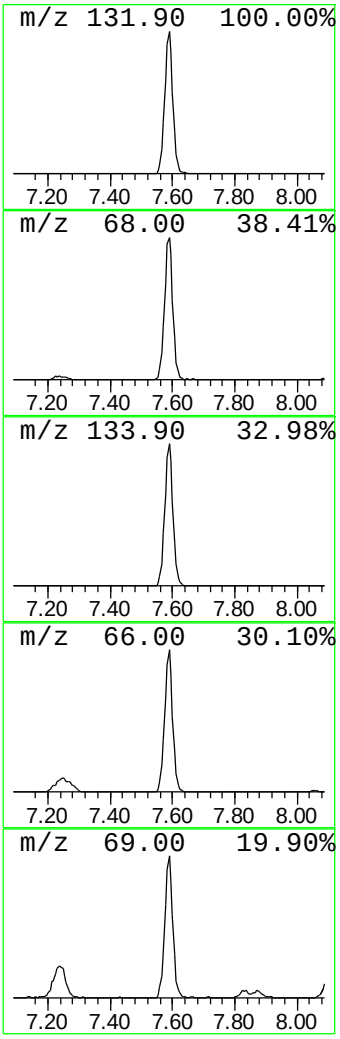
****

Peak Number 5 unknown7.59 Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.59	112.85 ng	793987	1,4-Dichlorobenzene-d4	8.05

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4-Chloro-6-fluoro-pyrimidine	132	C4H2ClFN2	051422-01-6	27
2	1,3-Cyclopentanedione, 2-chloro-	132	C5H5ClO2	014203-19-1	25
3	1H-Benzimidazole, 2-methyl-	132	C8H8N2	000615-15-6	22
4	5-Fluoro-2-chloropyrimidine	132	C4H2ClFN2	062802-42-0	12
5	(5-Methyl-2-pyridyl)acetonitrile	132	C8H8N2	1000241-93-9	10





Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG122718\
Data File : BG038849.D
Acq On : 27 Dec 2018 18:40
Operator : JU/SJ
Sample : J6533-13
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : COMP-3

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

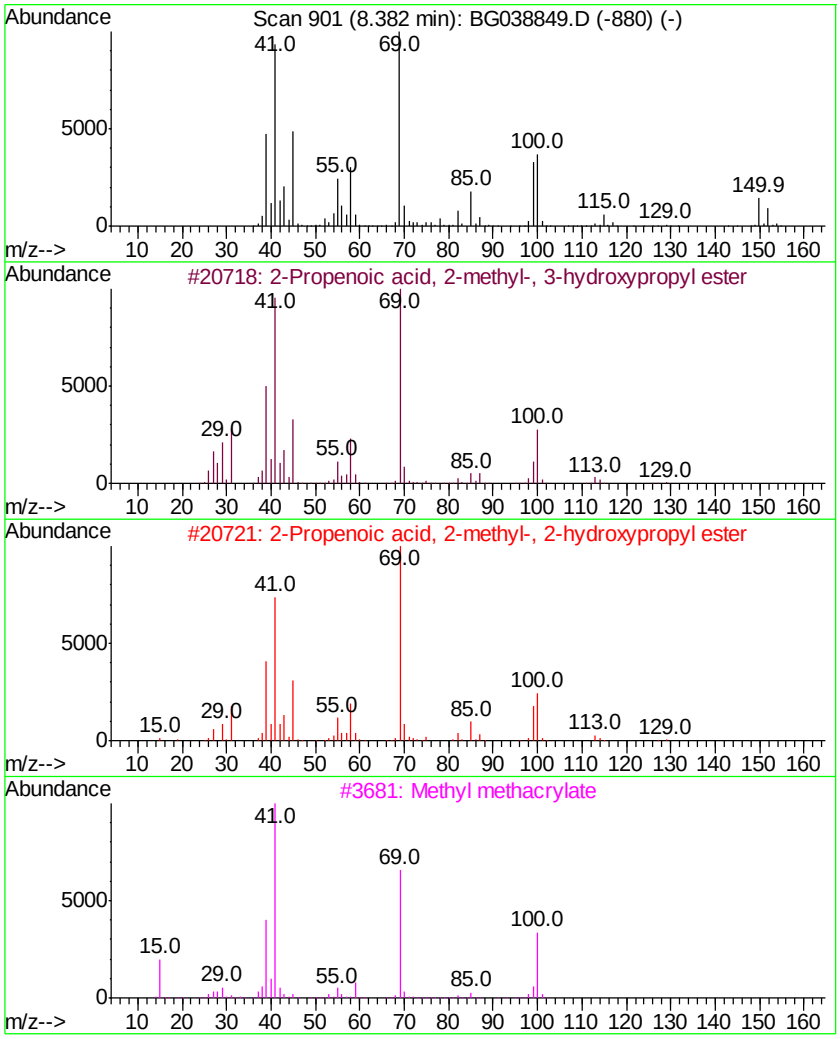
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

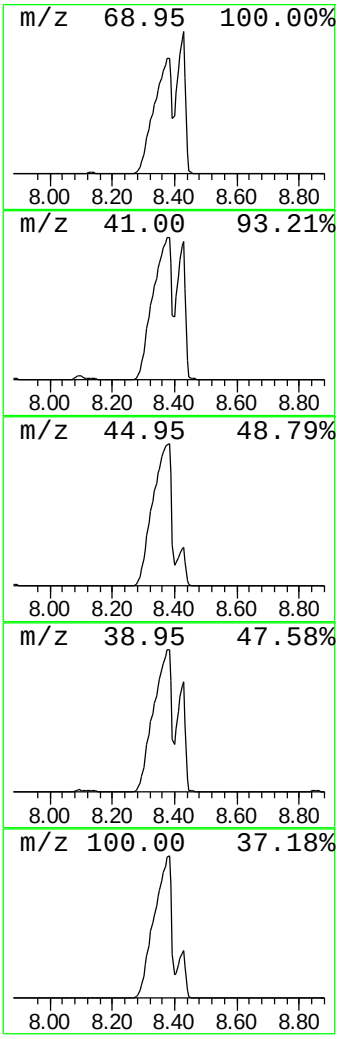
****

Peak Number 6 2-Propenoic acid, 2-methyl-... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.38	1678.84 ng	11811600	1,4-Dichlorobenzene-d4	8.05

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Propenoic acid, 2-methyl-, 3-h...	144	C7H12O3	002761-09-3	59
2	2-Propenoic acid, 2-methyl-, 2-h...	144	C7H12O3	000923-26-2	50
3	Methyl methacrylate	100	C5H8O2	000080-62-6	43
4	Cyclopropanecarboxylic acid, 4-m...	186	C10H18O3	1000354-66-0	32
5	Cyclopropanecarboxylic acid,pent...	156	C9H16O2	060128-02-1	28





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Sample : J6533-13
Misc :
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Instrument : BNA_G
ClientSampleId : COMP-3

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

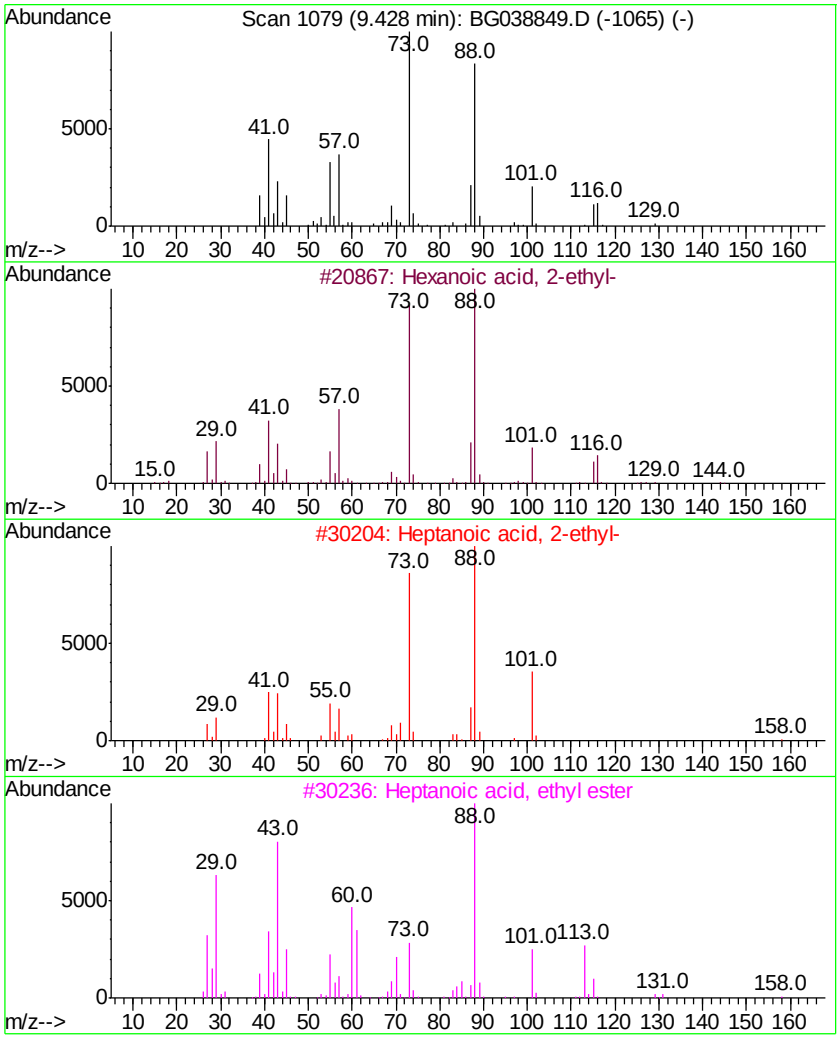
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

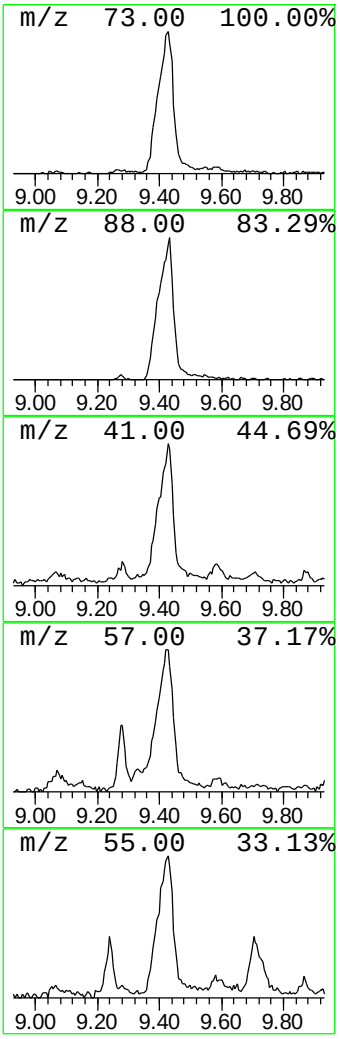
****

Peak Number 8 Hexanoic acid, 2-ethyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.43	50.21 ng	353289	1,4-Dichlorobenzene-d4	8.05

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexanoic acid, 2-ethyl-	144	C8H16O2	000149-57-5	86
2	Heptanoic acid, 2-ethyl-	158	C9H18O2	003274-29-1	53
3	Heptanoic acid, ethyl ester	158	C9H18O2	000106-30-9	38
4	Acetic acid, diethyl-	116	C6H12O2	000088-09-5	36
5	Octanoic acid, 2-methyl-, methyl...	172	C10H20O2	002177-86-8	33





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Data File : BG038849.D
Acq On : 27 Dec 2018 18:40
Operator : JU/SJ
Sample : J6533-13
Misc :
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Instrument : BNA_G
ClientSampleId : COMP-3

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

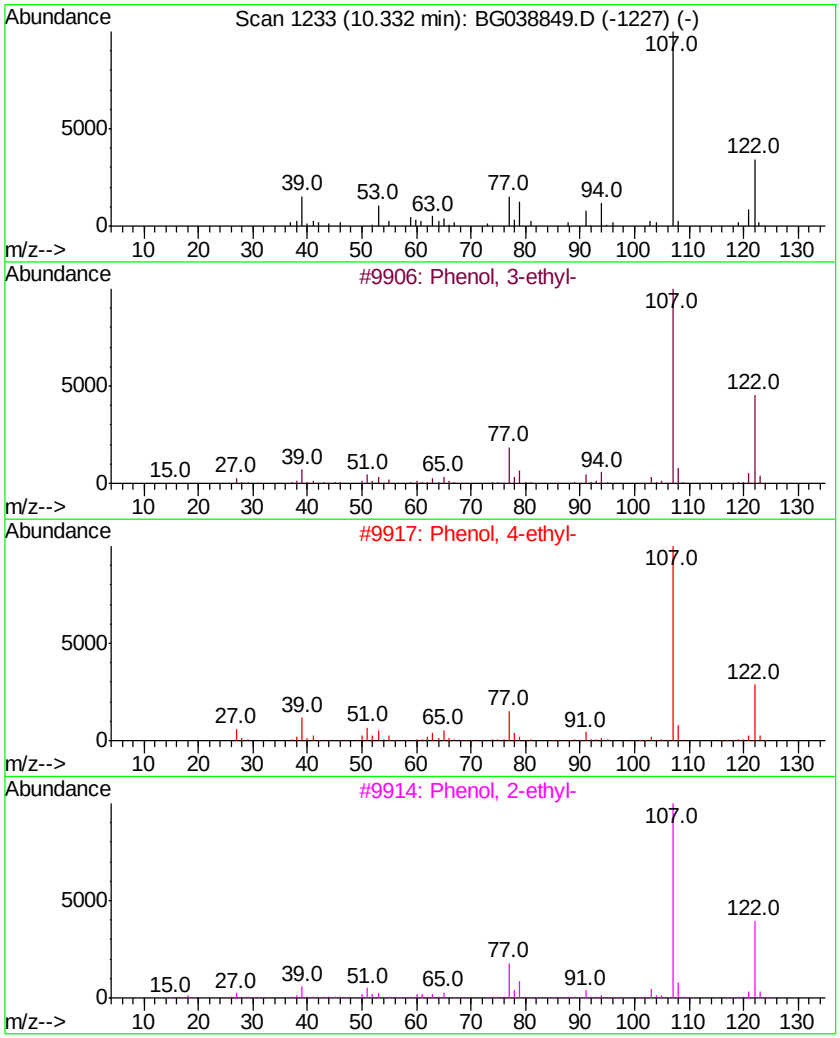
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

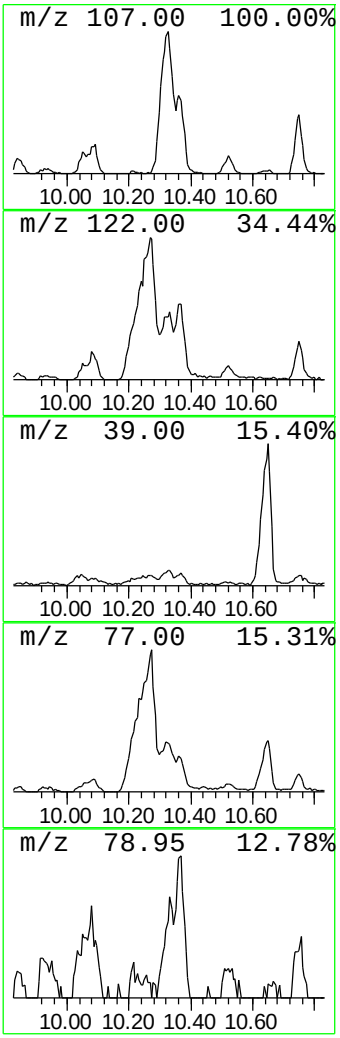
****

Peak Number 9 Phenol, 3-ethyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.33	15.33 ng	155900	Naphthalene-d8	10.87

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenol, 3-ethyl-	122	C8H10O	000620-17-7	86
2	Phenol, 4-ethyl-	122	C8H10O	000123-07-9	83
3	Phenol, 2-ethyl-	122	C8H10O	000090-00-6	78
4	1,3-Cyclopentadiene, 5-(1,1-dime...	122	C9H14	035059-40-6	64
5	Benzenamine, 3-methyl-	107	C7H9N	000108-44-1	50





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG122718\
Data File : BG038849.D
Acq On : 27 Dec 2018 18:40
Operator : JU/SJ
Sample : J6533-13
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : COMP-3

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

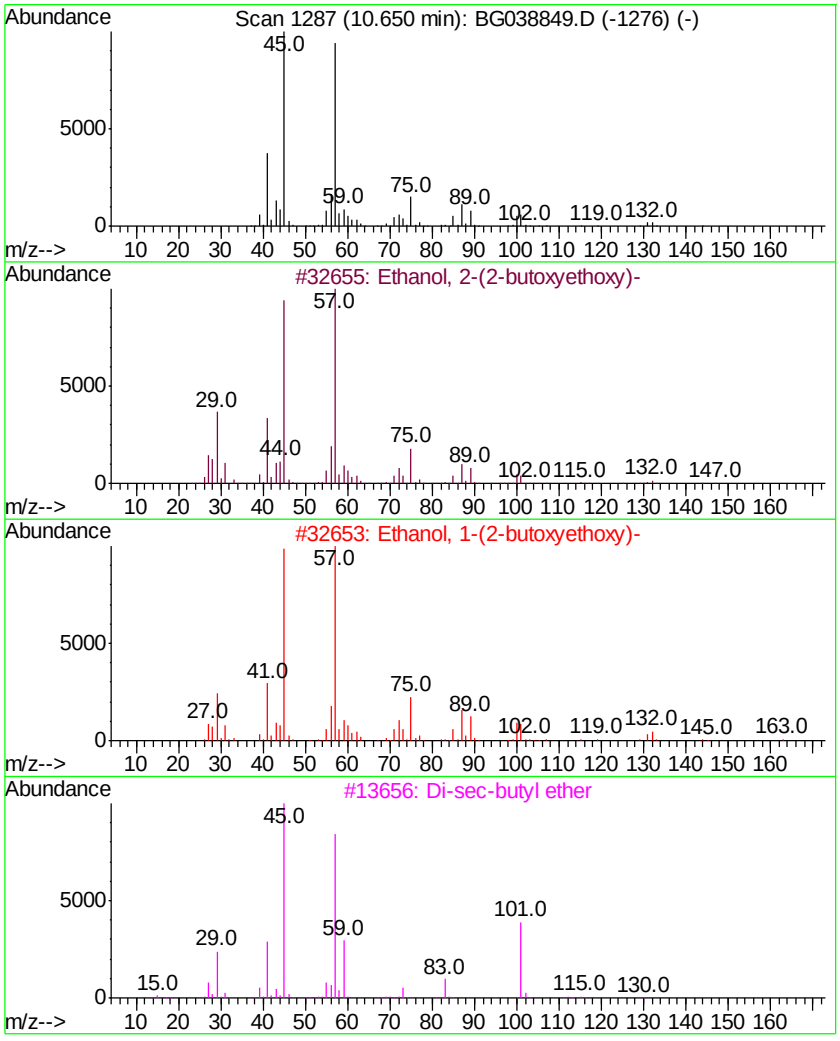
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

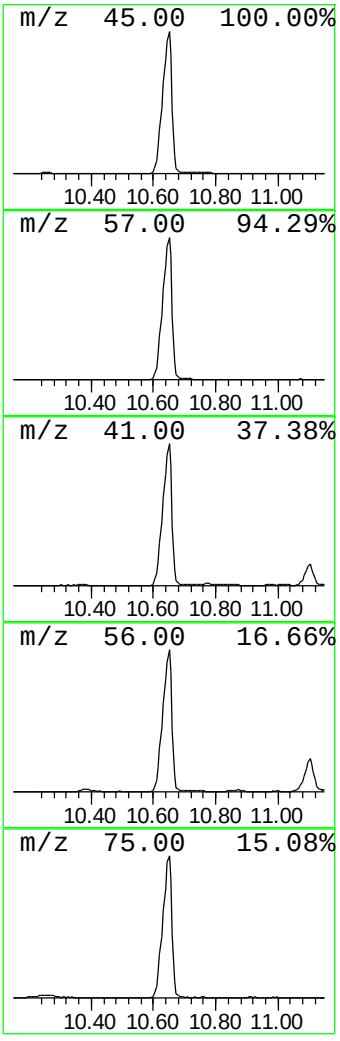
****

Peak Number 10 Ethanol, 2-(2-butoxyethoxy)- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.65	312.73 ng	3181030	Naphthalene-d8	10.87

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Ethanol, 2-(2-butoxyethoxy)-	162	C8H18O3	000112-34-5	90
2	Ethanol, 1-(2-butoxyethoxy)-	162	C8H18O3	054446-78-5	83
3	Di-sec-butyl ether	130	C8H18O	006863-58-7	53
4	Butane, 1-(1-methylpropoxy)-	130	C8H18O	000999-65-5	53
5	1-Methoxy-3-methyl-3-butene	100	C6H12O	034752-58-4	47





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Acq On : 27 Dec 2018 18:40
Operator : JU/SJ
Sample : J6533-13
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : COMP-3

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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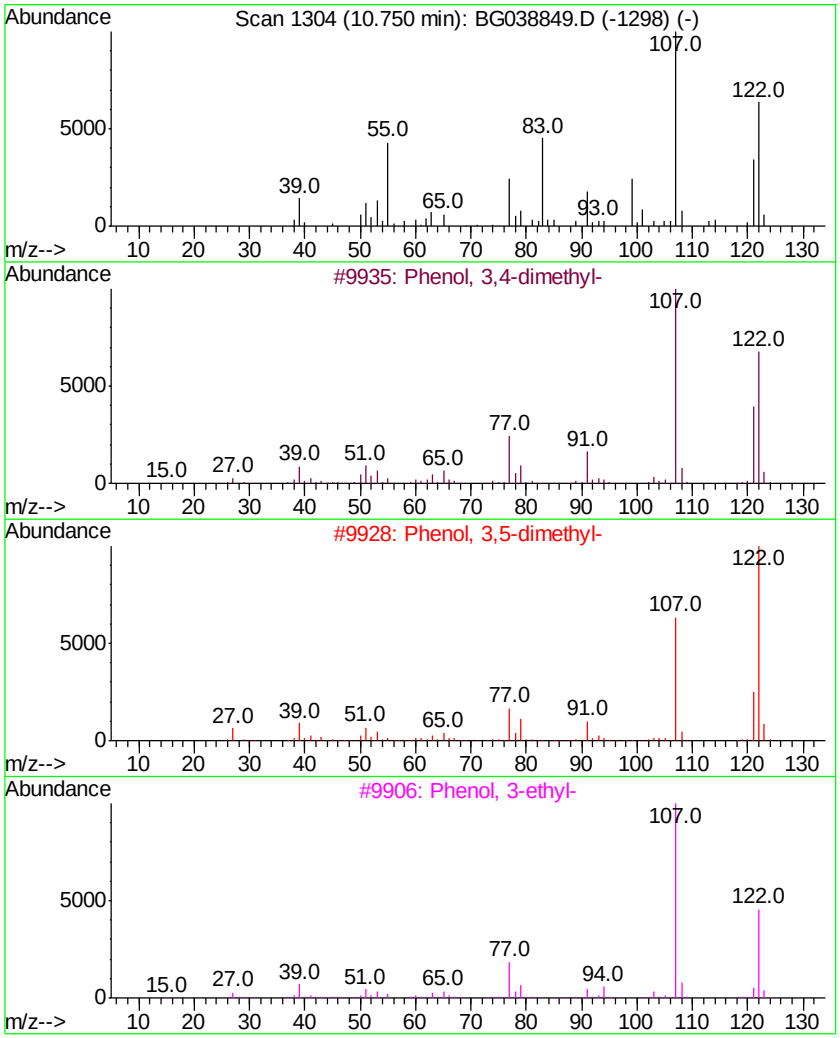
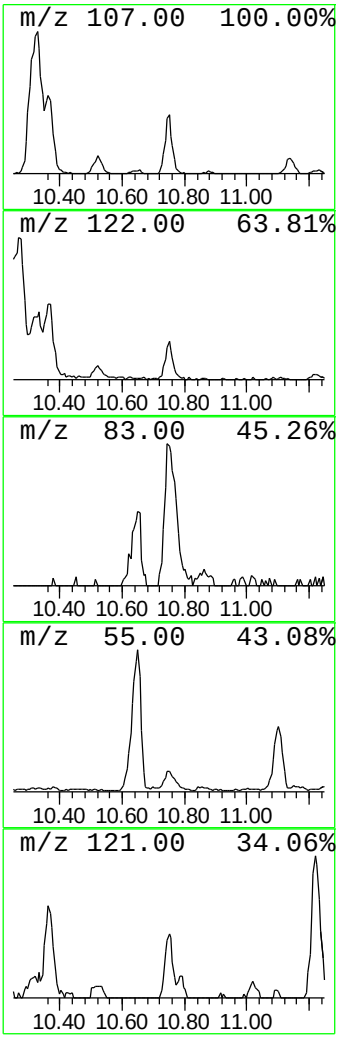
Peak Number 11 Phenol, 3,4-dimethyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.75	12.22 ng	124265	Naphthalene-d8	10.87

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenol, 3,4-dimethyl-	122	C8H10O	000095-65-8	92
2	Phenol, 3,5-dimethyl-	122	C8H10O	000108-68-9	70
3	Phenol, 3-ethyl-	122	C8H10O	000620-17-7	58
4	Phenol, 4-ethyl-	122	C8H10O	000123-07-9	58
5	Phenol, 3,4-dimethyl-, methylcar...	179	C10H13NO2	002425-10-7	53





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Sample : J6533-13
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : COMP-3

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

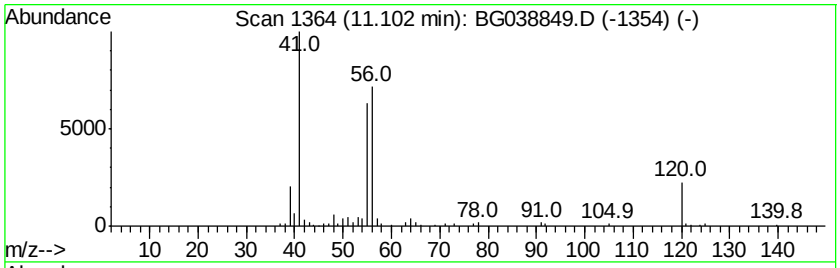
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

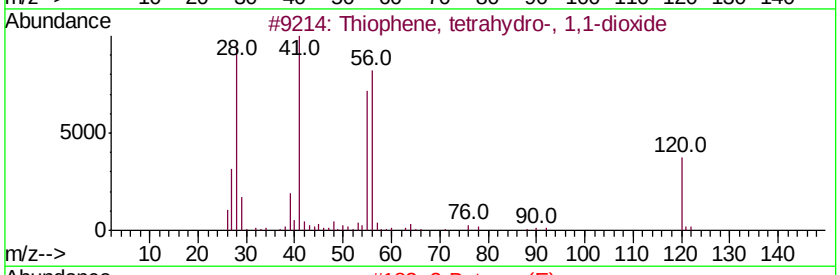
****

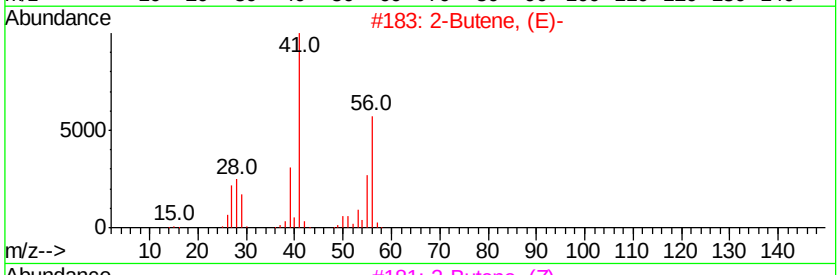
Peak Number 12 Thiophene, tetrahydro-, 1,1... Concentration Rank 14

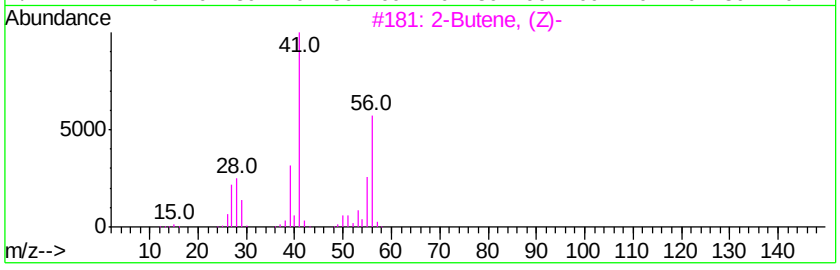
R.T.	EstConc	Area	Relative to ISTD	R.T.
11.10	16.03 ng	163081	Naphthalene-d8	10.87

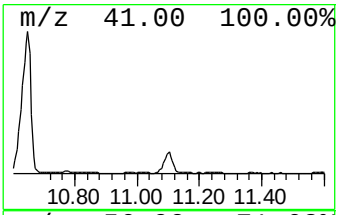
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Thiophene, tetrahydro-, 1,1-dioxide	120	C4H8O2S	000126-33-0	91
2	2-Butene, (E)-	56	C4H8	000624-64-6	49
3	2-Butene, (Z)-	56	C4H8	000590-18-1	47
4	2-Butene	56	C4H8	000107-01-7	47
5	Cyclobutane	56	C4H8	000287-23-0	47

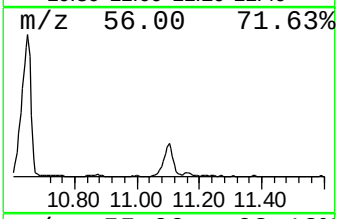


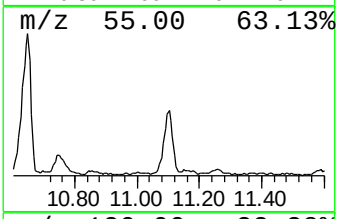


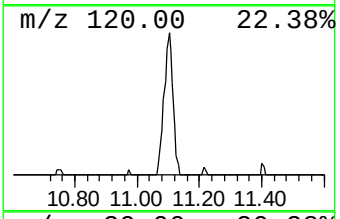


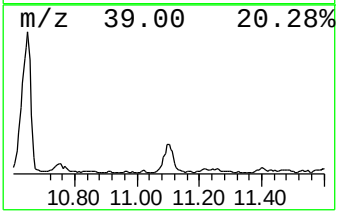












Library Search Compound Report

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Acq On : 27 Dec 2018 18:40
Operator : JU/SJ
Sample : J6533-13
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : COMP-3

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

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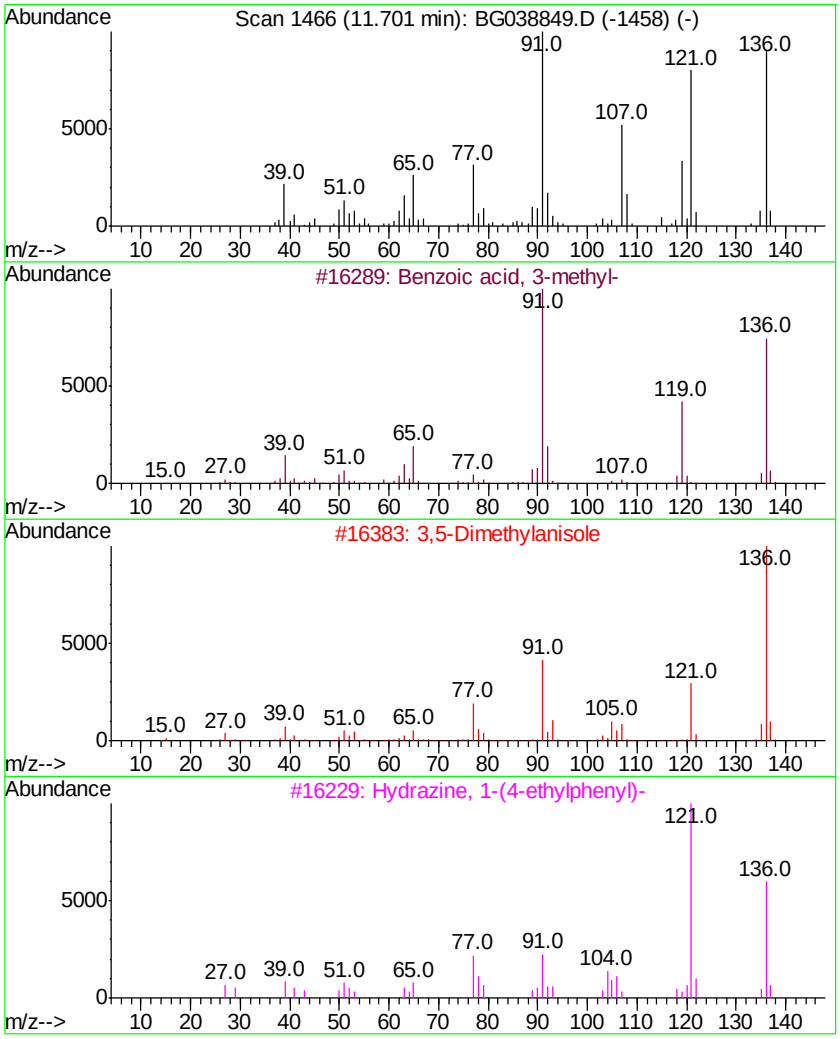
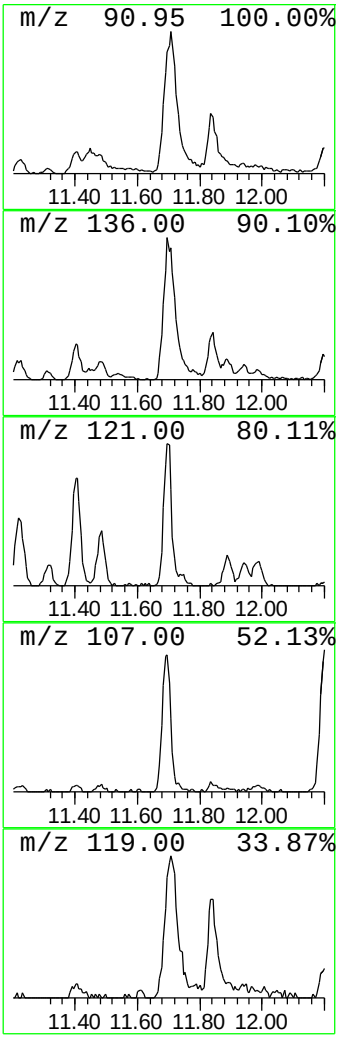
Peak Number 13 Benzoic acid, 3-methyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.70	28.80 ng	292909	Naphthalene-d8	10.87

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzoic acid, 3-methyl-	136	C8H8O2	000099-04-7	89
2	3,5-Dimethylanisole	136	C9H12O	000874-63-5	64
3	Hydrazine, 1-(4-ethylphenyl)-	136	C8H12N2	054840-34-5	60
4	Benzenemethanol, .alpha.,4-dimet...	136	C9H12O	000536-50-5	58
5	Benzenemethanol, 3,5-dimethyl-	136	C9H12O	027129-87-9	58





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Sample : J6533-13
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : COMP-3

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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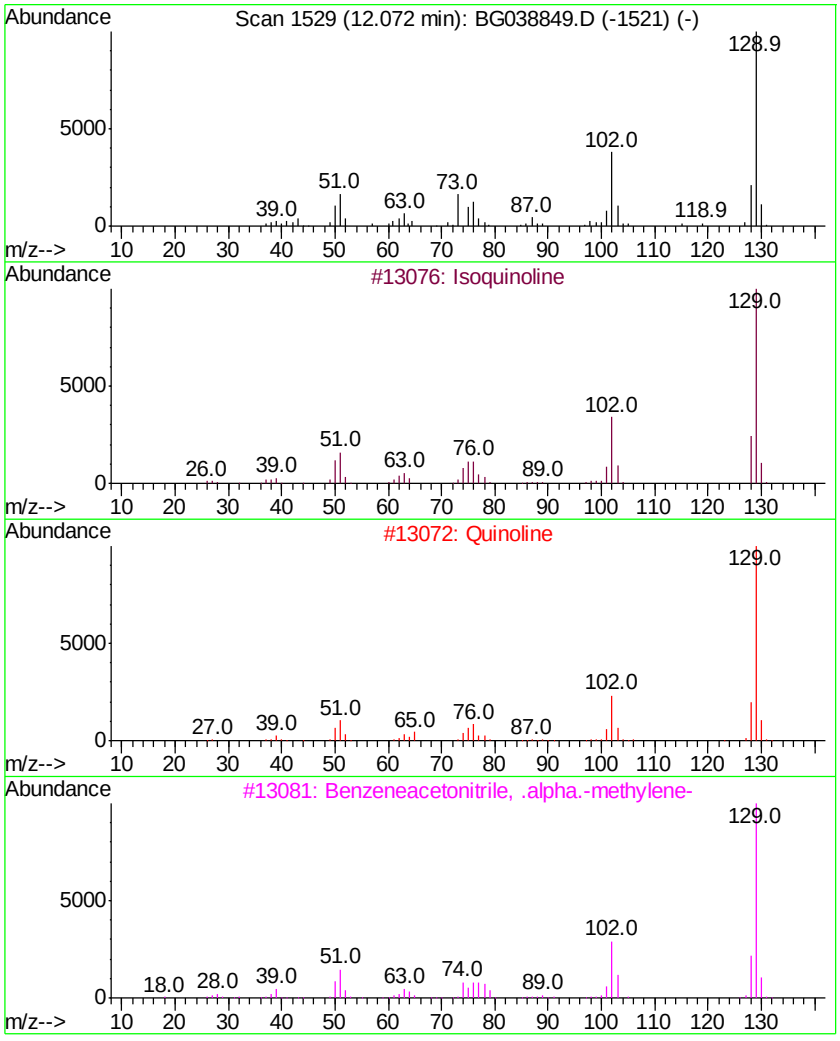
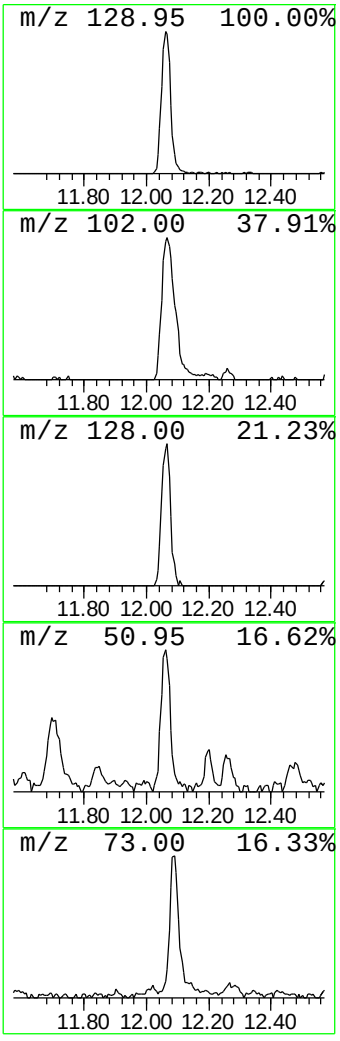
Peak Number 14 Isoquinoline Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.07	19.11 ng	194334	Naphthalene-d8	10.87

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Isoquinoline	129	C9H7N	000119-65-3	96
2	Quinoline	129	C9H7N	000091-22-5	91
3	Benzeneacetonitrile, .alpha.-met...	129	C9H7N	000495-10-3	91
4	2-Propenenitrile, 3-phenyl-, (E)-	129	C9H7N	001885-38-7	86
5	2,4-Dicyanopyridine	129	C7H3N3	029181-50-8	81





Library Search Compound Report

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Sample : J6533-13
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : COMP-3

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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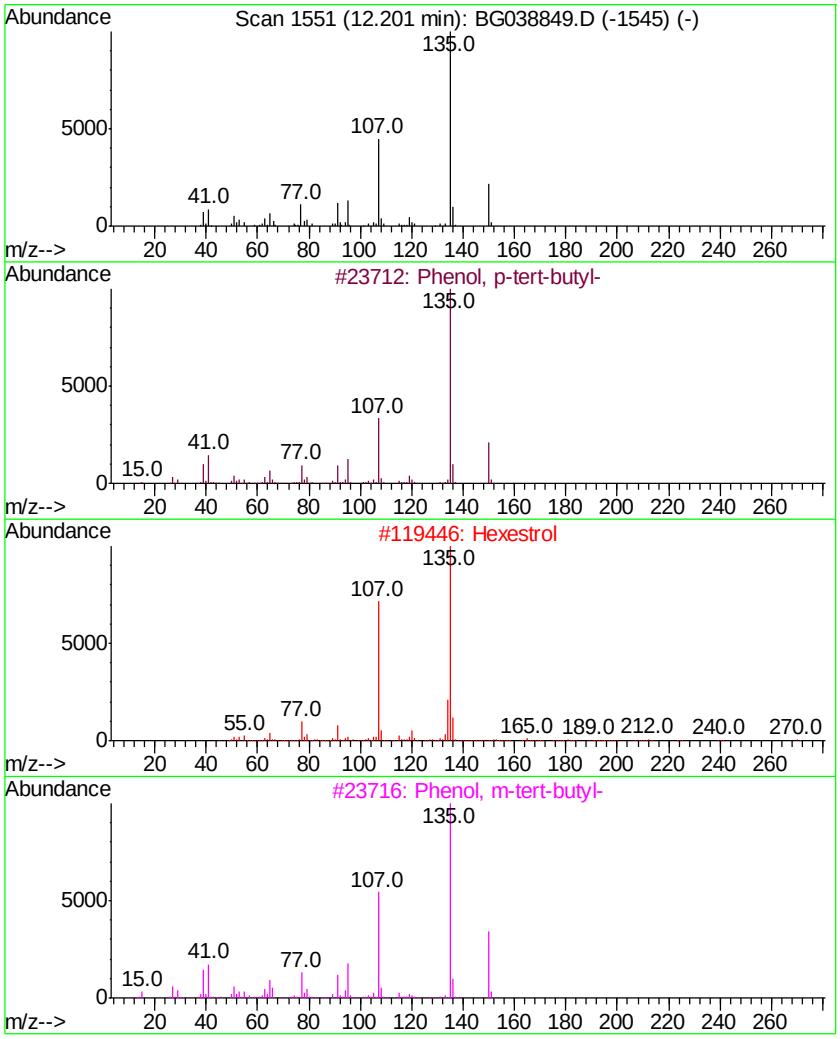
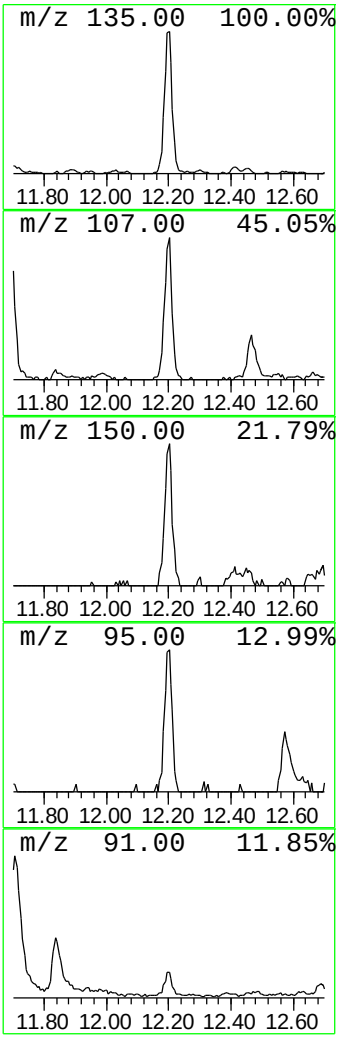
Peak Number 15 Phenol, p-tert-butyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.20	12.51 ng	127284	Naphthalene-d8	10.87

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenol, p-tert-butyl-	150	C10H14O	000098-54-4	91
2	Hexestrol	270	C18H22O2	000084-16-2	64
3	Phenol, m-tert-butyl-	150	C10H14O	000585-34-2	64
4	Hexestrol, O-trifluoroacetyl-	366	C20H21F3O3	1000365-31-7	59
5	Ethanone, 1-(2-hydroxy-5-methylp...	150	C9H10O2	001450-72-2	58





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Operator : JU/SJ
Sample : J6533-13
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : COMP-3

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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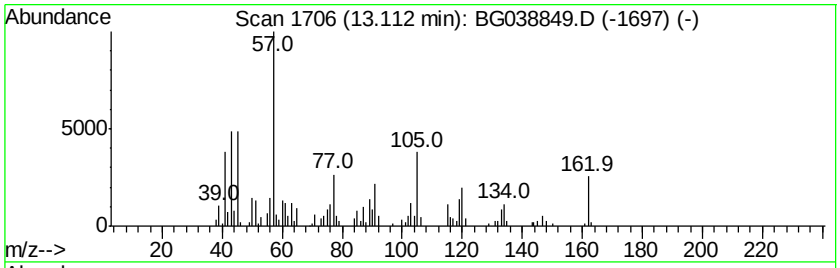
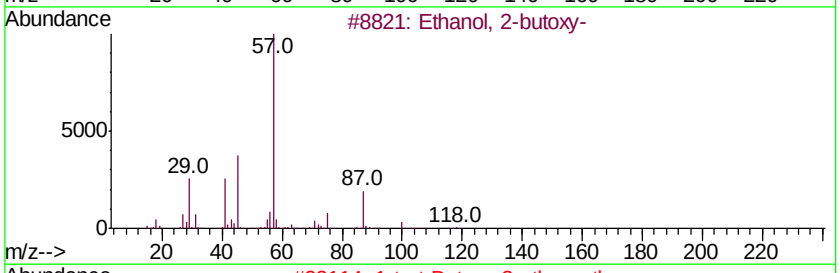
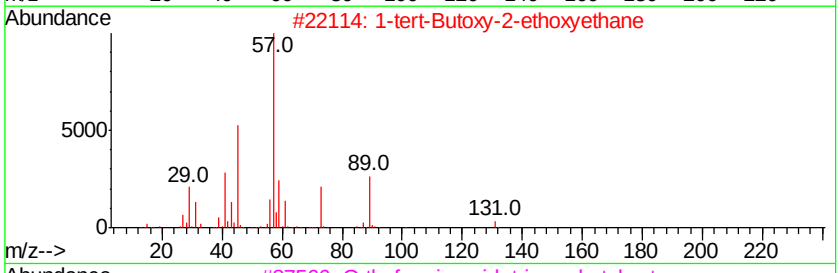
Peak Number 16 unknown13.11 Concentration Rank 18

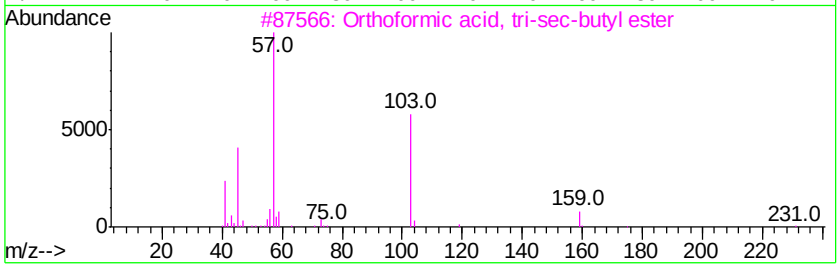
R.T.	EstConc	Area	Relative to ISTD	R.T.
13.11	8.52 ng	192602	Acenaphthene-d10	14.69

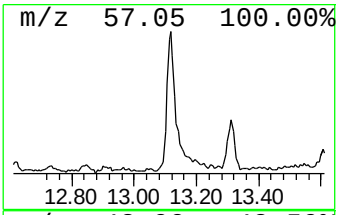
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Ethanol, 2-butoxy-	118	C6H14O2	000111-76-2	14
2	1-tert-Butoxy-2-ethoxyethane	146	C8H18O2	051422-54-9	10
3	Orthoformic acid, tri-sec-butyl ...	232	C13H28O3	016754-48-6	10
4	2-(2-Butoxyethoxy)acetic acid	176	C8H16O4	082941-26-2	10
5	3,3-Dimethylbutane-2-ol	102	C6H14O	000464-07-3	9

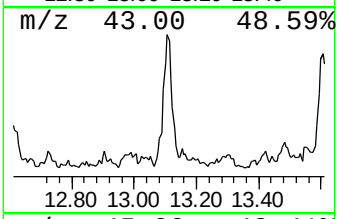


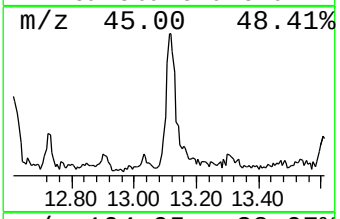


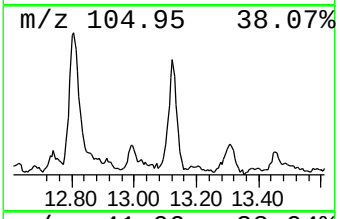


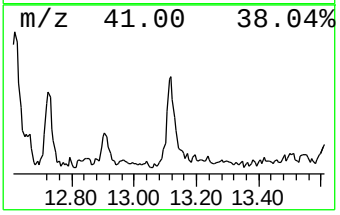












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Sample : J6533-13
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : COMP-3

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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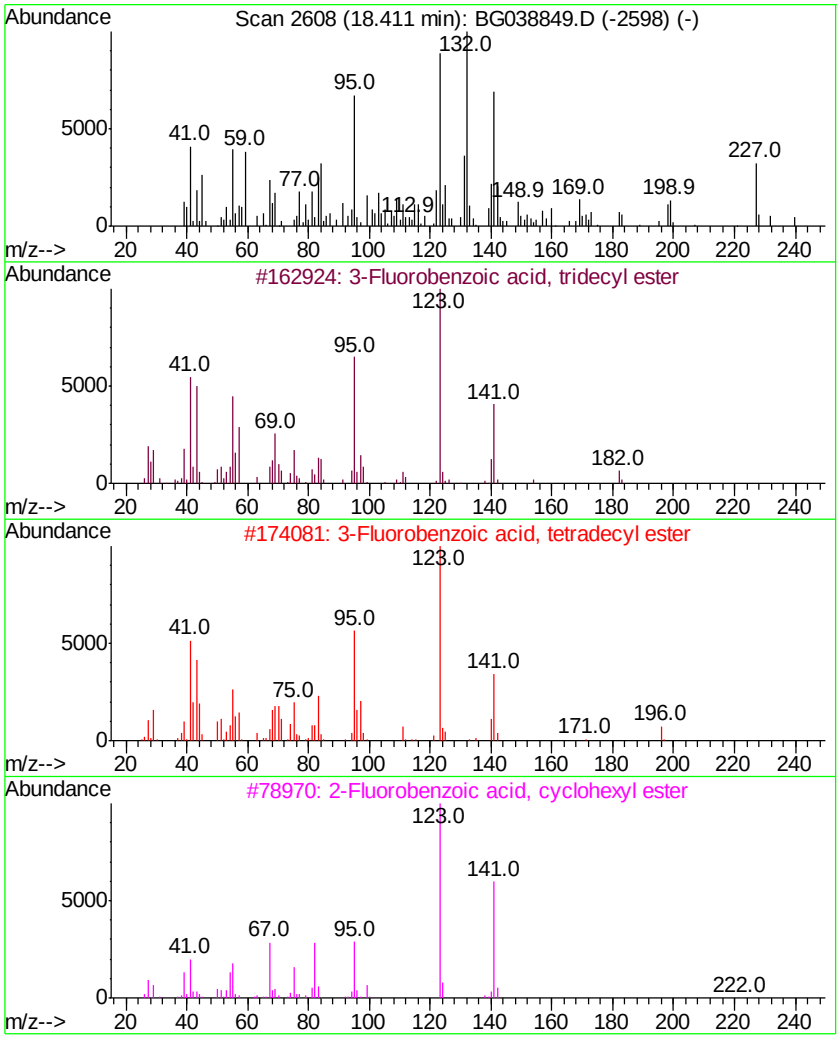
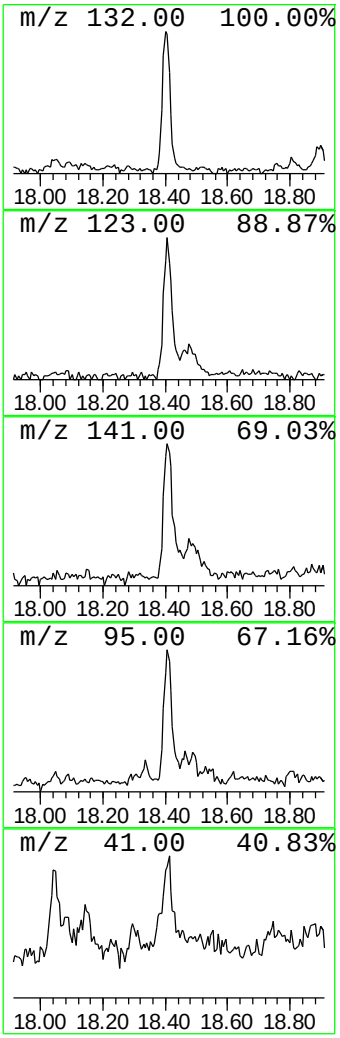
Peak Number 17 unknown18.41 Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.41	7.46 ng	169303	Phenanthrene-d10	17.44

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Fluorobenzoic acid, tridecyl e...	322	C20H31FO2	1000279-01-4	27
2	3-Fluorobenzoic acid, tetradecyl...	336	C21H33FO2	1000279-01-5	27
3	2-Fluorobenzoic acid, cyclohexyl...	222	C13H15FO2	000392-06-3	27
4	Benzeneacetic acid, .alpha.,4-di...	182	C9H10O4	068758-69-0	25
5	Benzoyl chloride, 4-fluoro-	158	C7H4ClFO	000403-43-0	25





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Sample : J6533-13
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : COMP-3

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

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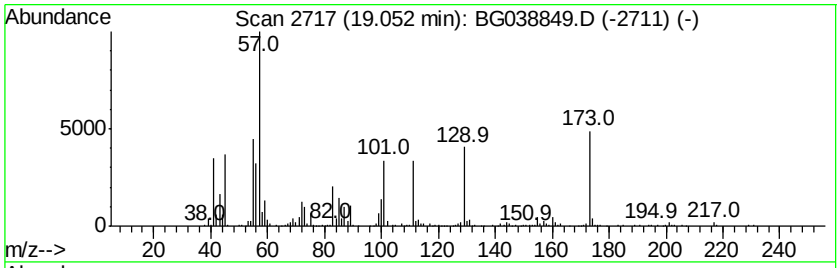
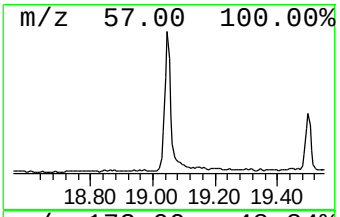
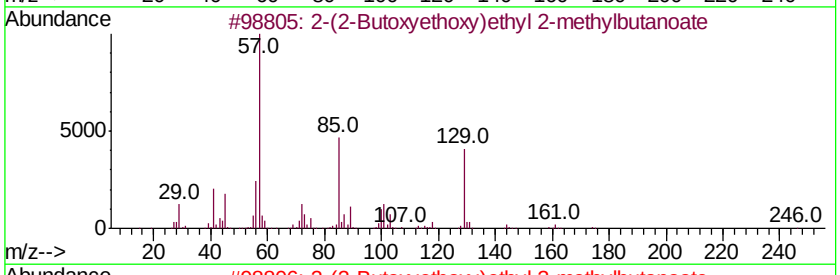
Peak Number 18 unknown19.05 Concentration Rank 13

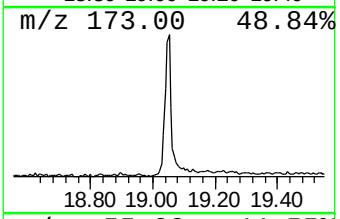
R.T.	EstConc	Area	Relative to ISTD	R.T.
19.05	17.36 ng	393863	Phenanthrene-d10	17.44

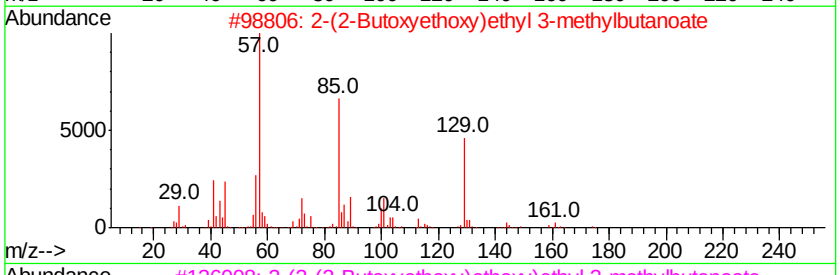
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-(2-Butoxyethoxy)ethyl 2-methyl...	246	C13H26O4	1000366-96-6	38
2	2-(2-Butoxyethoxy)ethyl 3-methyl...	246	C13H26O4	1000367-04-5	35
3	2-(2-(2-Butoxyethoxy)ethoxy)ethy...	290	C15H30O5	1000366-97-3	32
4	6-Dodecanone, 5,8-diethyl-7-hydr...	256	C16H32O2	031814-59-2	32
5	Morpholine, 4-acetyl-	129	C6H11NO2	001696-20-4	22

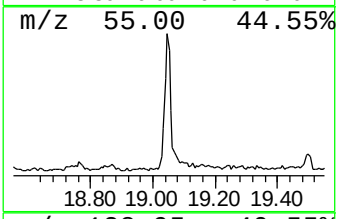


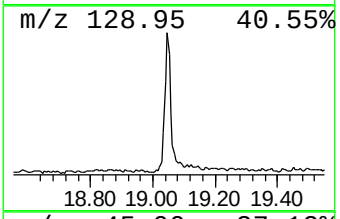


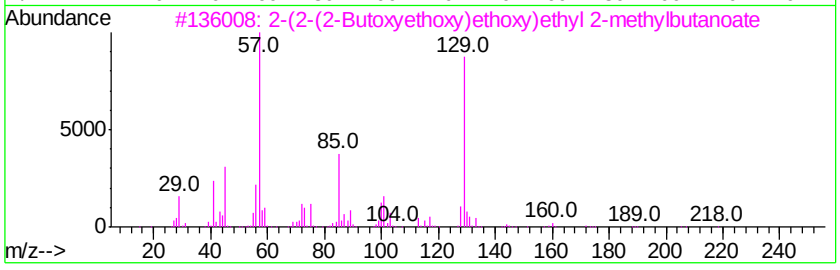


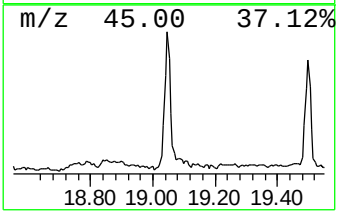












Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG122718\
Data File : BG038849.D
Acq On : 27 Dec 2018 18:40
Operator : JU/SJ
Sample : J6533-13
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : COMP-3

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

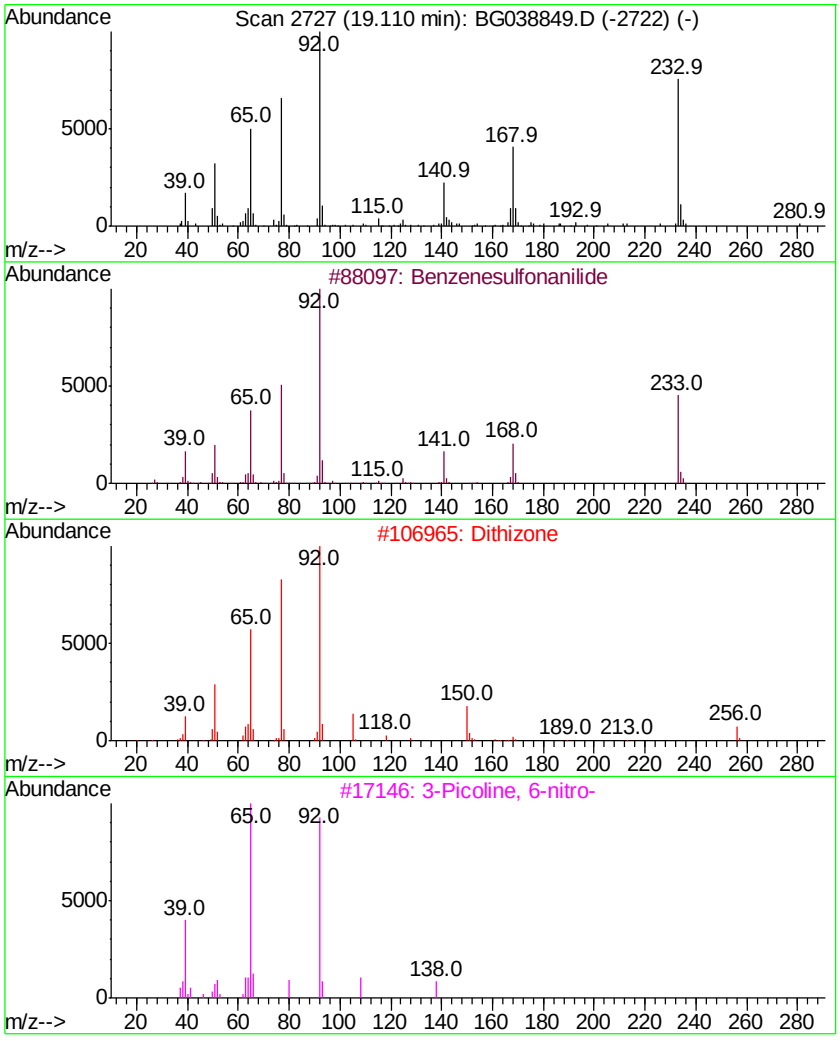
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

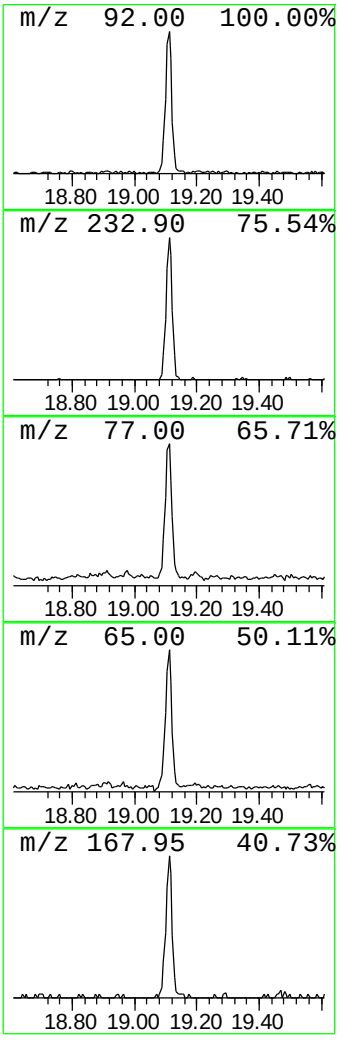
****

Peak Number 19 Benzenesulfonanilide Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.11	6.69 ng	151705	Phenanthrene-d10	17.44

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzenesulfonanilide	233	C12H11NO2S	001678-25-7	89
2	Dithizone	256	C13H12N4S	000060-10-6	47
3	3-Picoline, 6-nitro-	138	C6H6N2O2	001074-38-0	43
4	Pyridine, 4-methyl-2-nitro-	138	C6H6N2O2	018368-71-3	38
5	2-Picoline, 6-nitro-	138	C6H6N2O2	018368-61-1	37





Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG122718\
Data File : BG038849.D
Acq On : 27 Dec 2018 18:40
Operator : JU/SJ
Sample : J6533-13
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : COMP-3

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

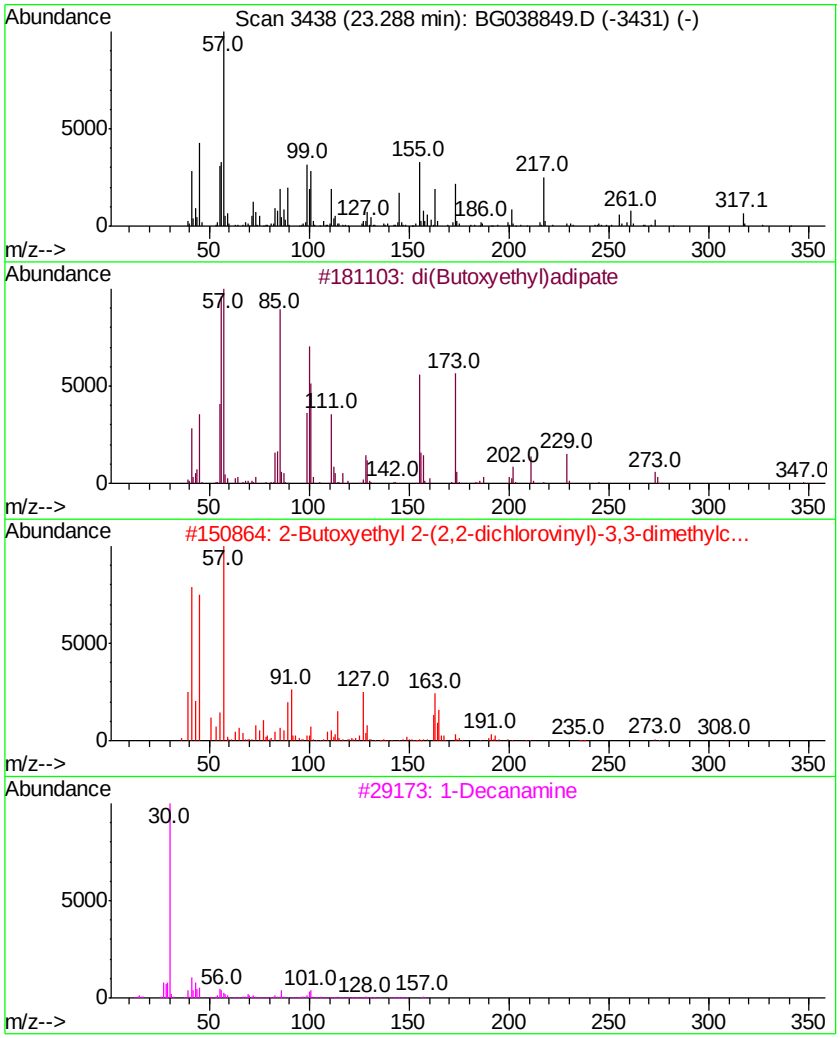
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

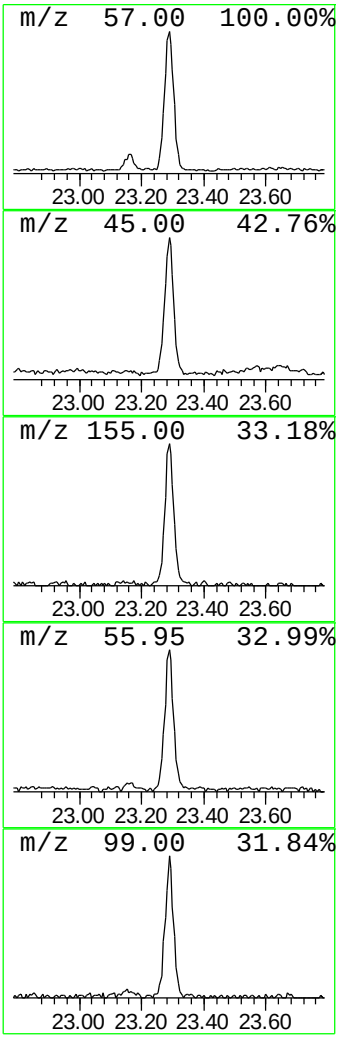
****

Peak Number 20 unknown23.29 Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
23.29	17.76 ng	421437	Chrysene-d12	21.72

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	di(Butoxyethyl)adipate	346	C18H34O6	000141-18-4	25
2	2-Butoxyethyl 2-(2,2-dichlorovin...	308	C14H22Cl2O3	1000223-35-5	22
3	1-Decanamine	157	C10H23N	002016-57-1	14
4	Propane, 1,1'-[ethylidenebis(oxy...	174	C10H22O2	005669-09-0	14
5	Bisethoxo(methoxo)oxovanadium	188	C5H13O4V	062450-00-4	12





Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG122718\
Data File : BG038849.D
Acq On : 27 Dec 2018 18:40
Operator : JU/SJ
Sample : J6533-13
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : COMP-3

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-Propenoic acid,...	4.16	22.6	ng	158625	1	8.05	140711	20.0
Ethylene glycol m...	6.10	22.1	ng	155810	1	8.05	140711	20.0
Hexylene glycol	6.37	37.9	ng	266899	1	8.05	140711	20.0
Ethanol, 2-(2-met...	6.55	30.1	ng	211573	1	8.05	140711	20.0
unknown7.59	7.59	112.8	ng	793987	1	8.05	140711	20.0
2-Propenoic acid,...	8.38	1678.8	ng	11811600	1	8.05	140711	20.0
Hexanoic acid, 2-...	9.43	50.2	ng	353289	1	8.05	140711	20.0
Phenol, 3-ethyl-	10.33	15.3	ng	155900	2	10.87	203436	20.0
Ethanol, 2-(2-but...	10.65	312.7	ng	3181030	2	10.87	203436	20.0
Phenol, 3,4-dimet...	10.75	12.2	ng	124265	2	10.87	203436	20.0
Thiophene, tetrah...	11.10	16.0	ng	163081	2	10.87	203436	20.0
Benzoic acid, 3-m...	11.70	28.8	ng	292909	2	10.87	203436	20.0
Isoquinoline	12.07	19.1	ng	194334	2	10.87	203436	20.0
Phenol, p-tert-bu...	12.20	12.5	ng	127284	2	10.87	203436	20.0
unknown13.11	13.11	8.5	ng	192602	3	14.69	452151	20.0
unknown18.41	18.41	7.5	ng	169303	4	17.44	453786	20.0
unknown19.05	19.05	17.4	ng	393863	4	17.44	453786	20.0
Benzenesulfonanilide	19.11	6.7	ng	151705	4	17.44	453786	20.0
unknown23.29	23.29	17.8	ng	421437	5	21.72	474695	20.0