LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG122118\
Data File : BG038819.D
Acq On : 22 Dec 2018 15:55
Operator : JU/SJ
Sample : J6469-02
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : DRUM-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	3.206	15	20	28	rVB2	29120	55059	2.00%	0.424%
2	3.494	64	69	76	rBV	71951	93702	3.40%	0.721%
3	4.646	260	265	271	rVB	38295	56173	2.04%	0.432%
4	5.098	336	342	346	rBV	27571	40595	1.47%	0.312%
5	5.145	346	350	358	rVB	60537	95805	3.48%	0.737%
6	5.615	422	430	442	rBV	521616	860878	31.27%	6.623%
7	7.219	694	703	715	rBV	467484	871110	31.65%	6.702%
8	7.589	758	766	776	rBV	583759	1056470	38.38%	8.128%
9	7.689	776	783	789	rVB	30751	52050	1.89%	0.400%
10	8.059	838	846	853	rBV	98383	168776	6.13%	1.298%
11	8.382	893	901	914	rVB	450739	826744	30.03%	6.361%
12	9.240	1038	1047	1056	rBV	391070	735099	26.70%	5.656%
13	10.257	1214	1220	1226	rBV3	40838	65937	2.40%	0.507%
14	10.498	1255	1261	1267	rBV2	33423	56563	2.05%	0.435%
15	10.874	1320	1325	1332	rBV	118288	211749	7.69%	1.629%
16	12.055	1517	1526	1533	rBV2	43406	75804	2.75%	0.583%
17	12.407	1579	1586	1594	rVB2	30040	49370	1.79%	0.380%
18	12.525	1601	1606	1613	rVB	38768	64131	2.33%	0.493%
19	12.748	1633	1644	1651	rBV4	29644	74782	2.72%	0.575%
20	13.318	1732	1741	1748	rBV	1115976	1771598	64.36%	13.630%
21	14.011	1849	1859	1863	rBV3	23192	50092	1.82%	0.385%
22	14.064	1863	1868	1875	rVB5	18186	34329	1.25%	0.264%
23	14.699	1963	1976	1984	rBV2	208015	367502	13.35%	2.827%
24	16.185	2222	2229	2252	rBV3	641179	1177338	42.77%	9.058%
25	17.442	2437	2443	2456	rVB2	269812	432862	15.72%	3.330%
26	20.045	2880	2886	2895	rBV	2042915	2752715	100.00%	21.178%
27	21.726	3165	3172	3180	rBV	285307	483704	17.57%	3.721%
28	25.028	3724	3734	3748	rBV2	133845	416856	15.14%	3.207%

Sum of corrected areas: 12997793

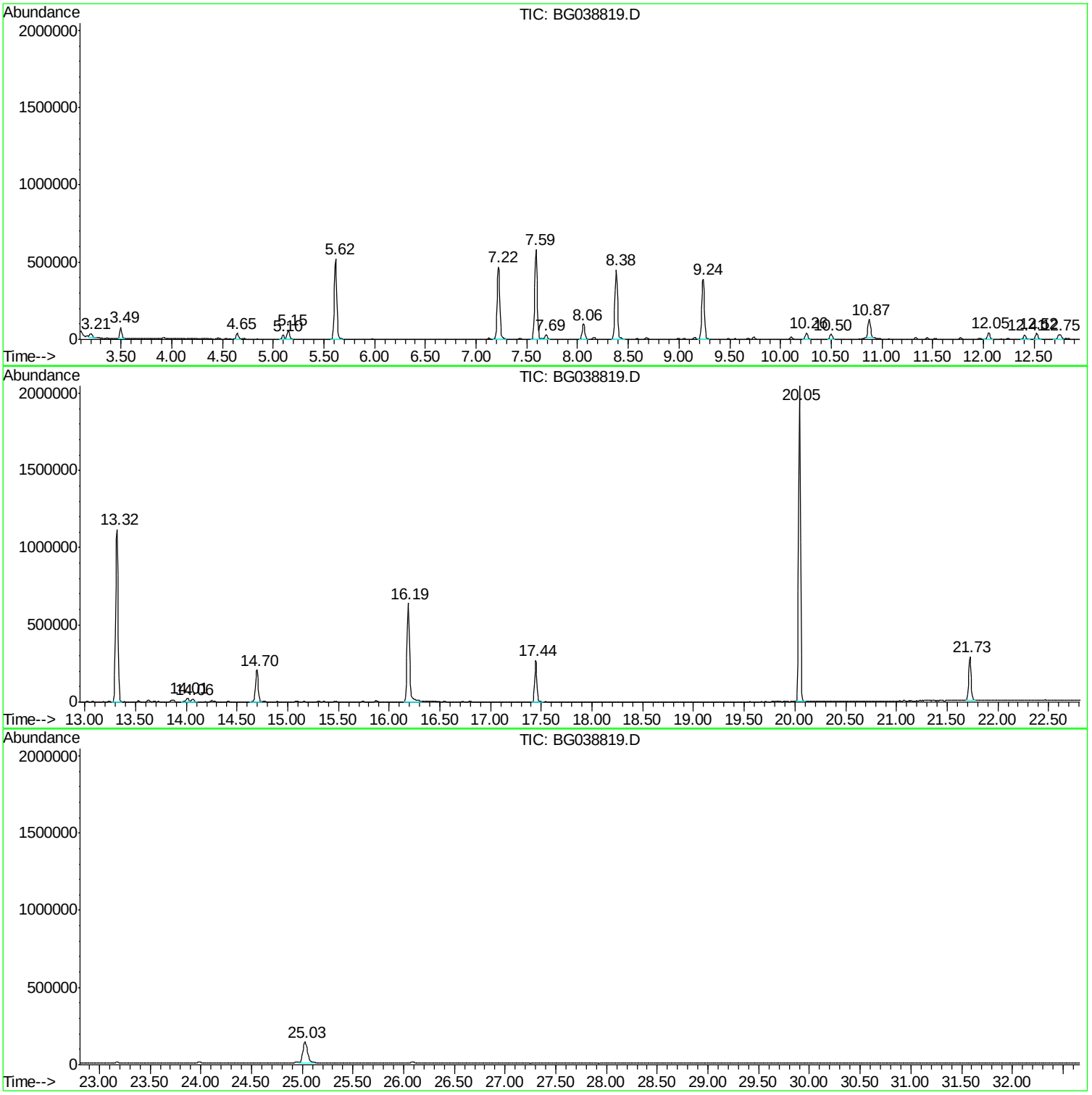
LSC Report - Integrated Chromatogram

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG122118\
Data File : BG038819.D
Acq On : 22 Dec 2018 15:55
Operator : JU/SJ
Sample : J6469-02
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : DRUM-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



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Data File : BG038819.D
Acq On : 22 Dec 2018 15:55
Operator : JU/SJ
Sample : J6469-02
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : DRUM-1

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

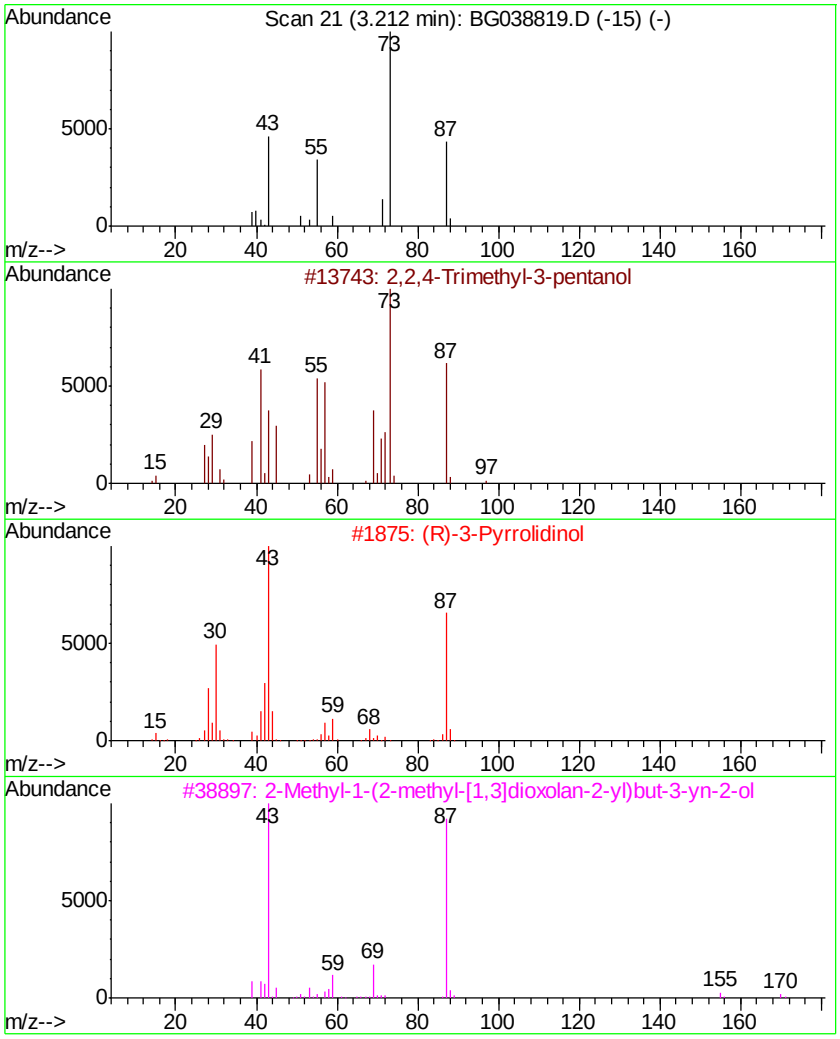
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

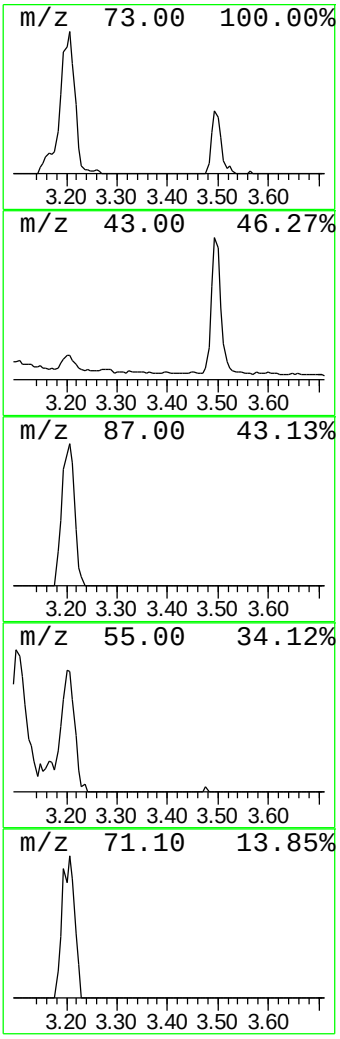
****

Peak Number 1 unknown3.21 Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.21	6.52 ng	55059	1,4-Dichlorobenzene-d4	8.06

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2,2,4-Trimethyl-3-pentanol	130	C8H18O	005162-48-1	36
2	(R)-3-Pyrrolidinol	87	C4H9NO	002799-21-5	9
3	2-Methyl-1-(2-methyl-[1,3]dioxol...	170	C9H14O3	1000311-95-6	9
4	Butane, 2-methoxy-2-methyl-	102	C6H14O	000994-05-8	9
5	N-Ethylformamide	73	C3H7NO	000627-45-2	7





Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG122118\
Data File : BG038819.D
Acq On : 22 Dec 2018 15:55
Operator : JU/SJ
Sample : J6469-02
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : DRUM-1

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

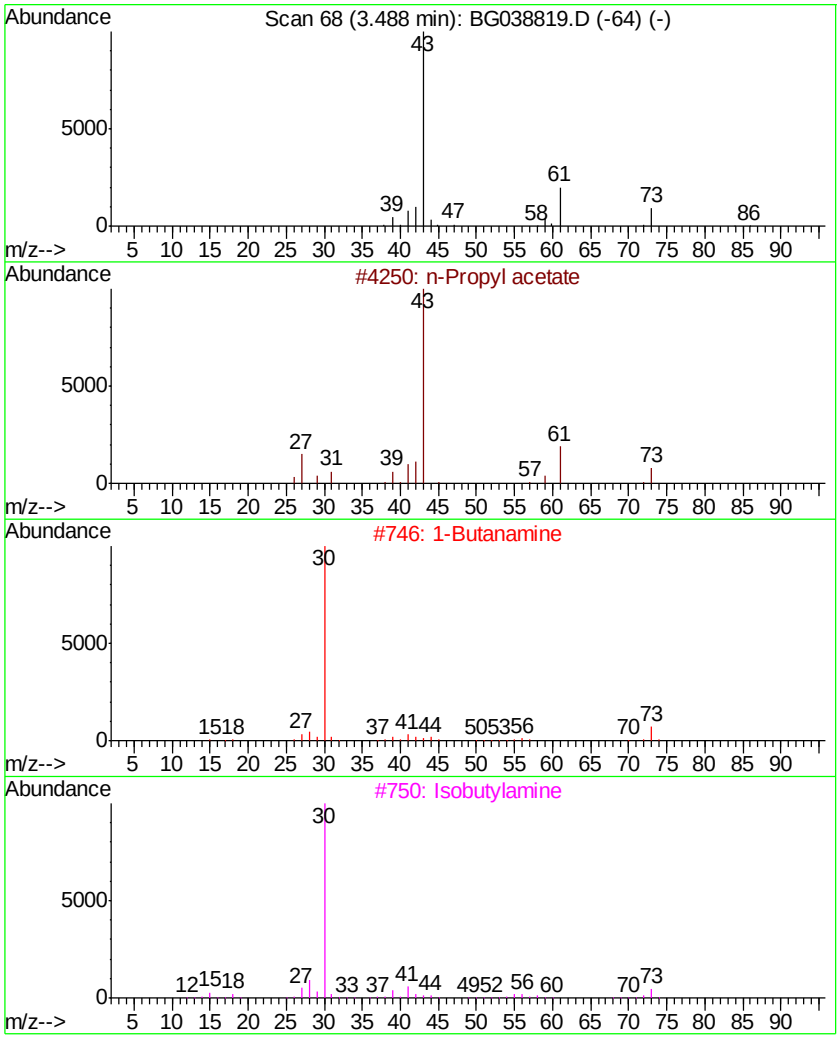
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

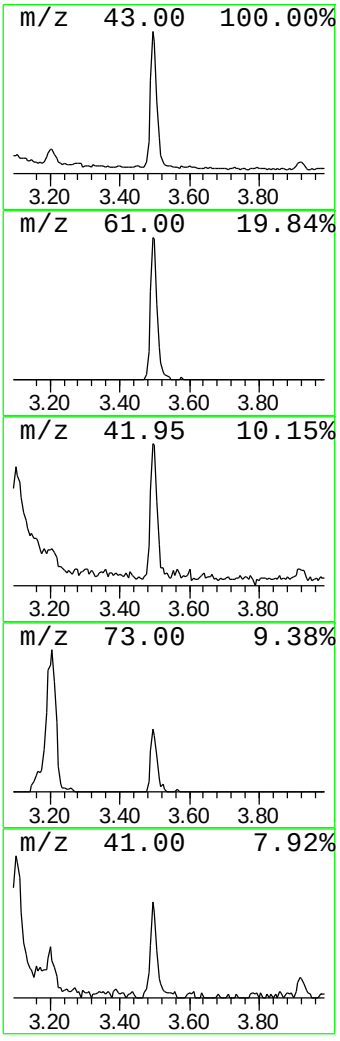
****

Peak Number 2 n-Propyl acetate Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.49	11.10 ng	93702	1,4-Dichlorobenzene-d4	8.06

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Propyl acetate	102	C5H10O2	000109-60-4	72
2	1-Butanamine	73	C4H11N	000109-73-9	7
3	Isobutylamine	73	C4H11N	000078-81-9	4
4	1,4-Butanediol, diacetate	174	C8H14O4	000628-67-1	4
5	Acetic acid, 2-fluoroethyl ester	106	C4H7FO2	1000367-87-9	4





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG122118\
Data File : BG038819.D
Acq On : 22 Dec 2018 15:55
Operator : JU/SJ
Sample : J6469-02
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : DRUM-1

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

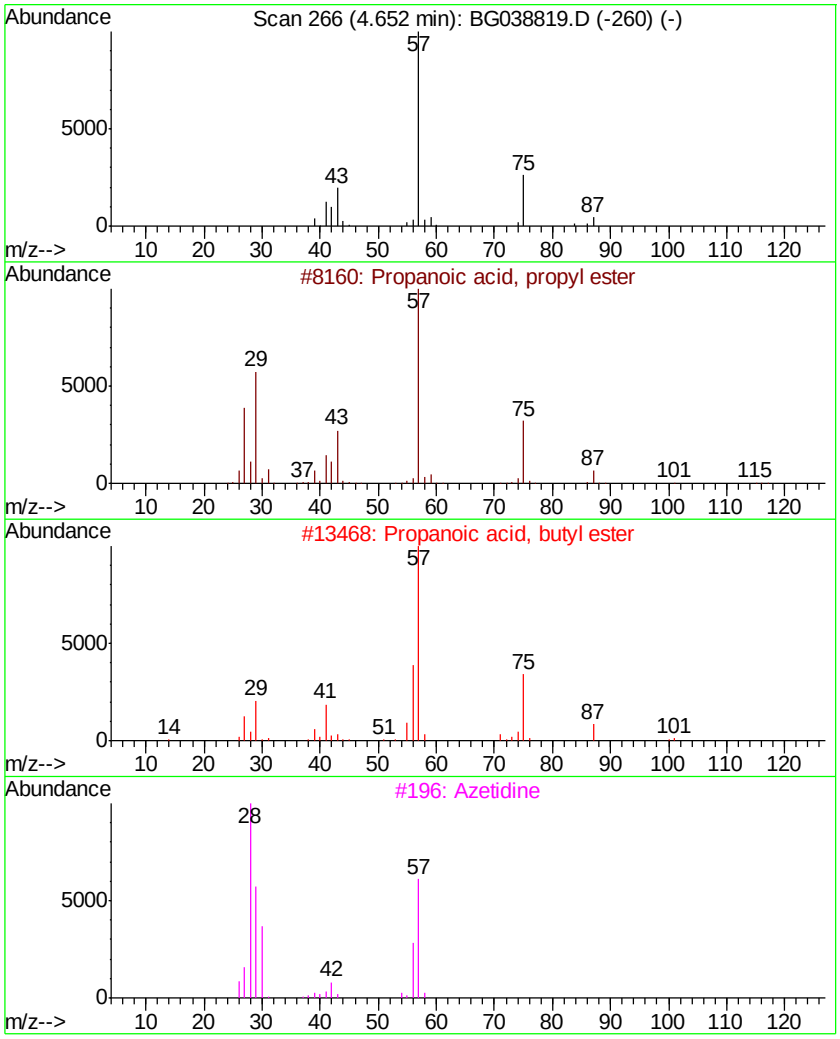
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

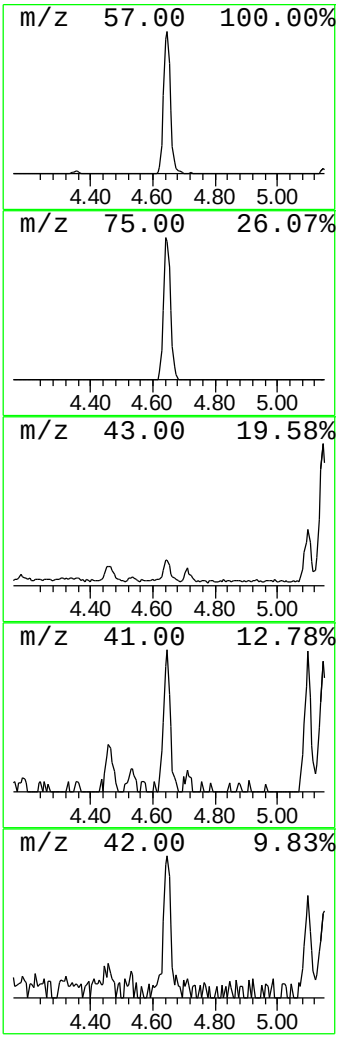
****

Peak Number 3 Propanoic acid, propyl ester Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.65	6.66 ng	56173	1,4-Dichlorobenzene-d4	8.06

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Propanoic acid, propyl ester	116	C6H12O2	000106-36-5	64
2	Propanoic acid, butyl ester	130	C7H14O2	000590-01-2	36
3	Azetidine	57	C3H7N	000503-29-7	32
4	1-Pentanamine	87	C5H13N	000110-58-7	9
5	1-Penten-3-ol	86	C5H10O	000616-25-1	9





Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG122118\
Data File : BG038819.D
Acq On : 22 Dec 2018 15:55
Operator : JU/SJ
Sample : J6469-02
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : DRUM-1

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

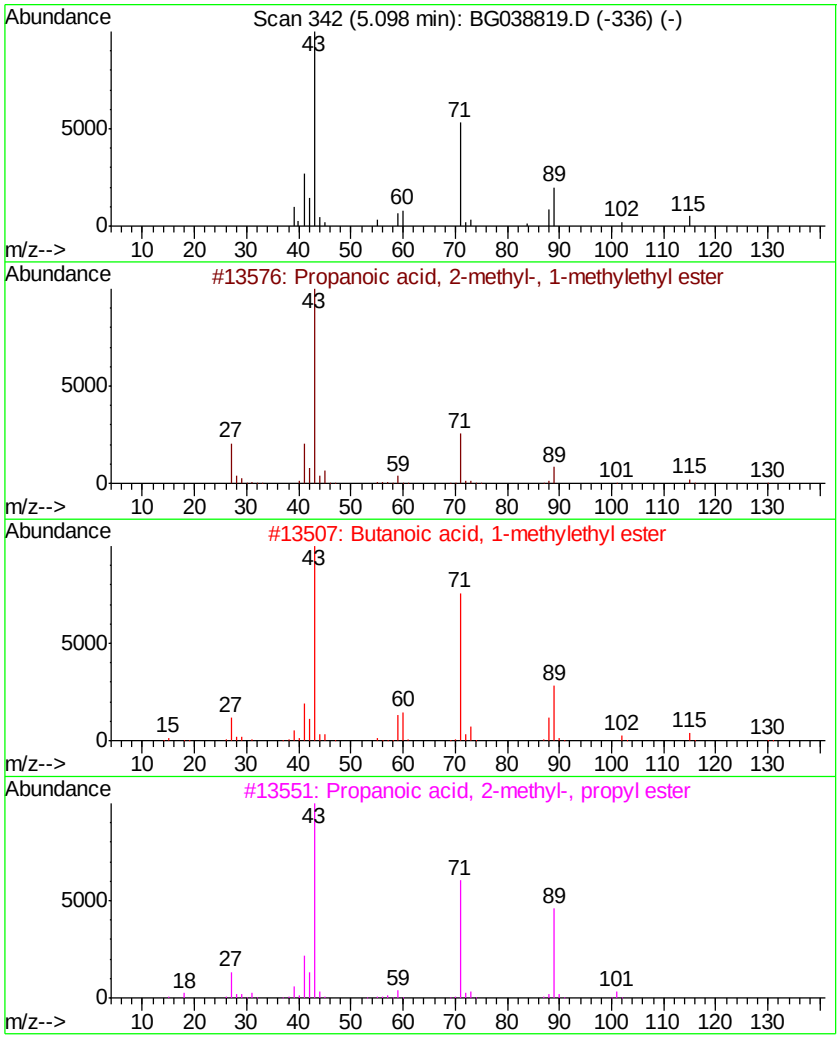
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

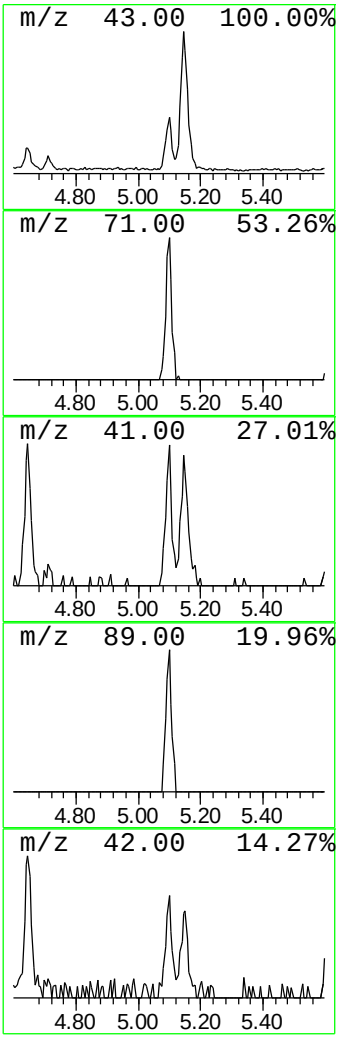
****

Peak Number 4 Propanoic acid, 2-methyl-, ... Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.10	4.81 ng	40595	1,4-Dichlorobenzene-d4	8.06

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Propanoic acid, 2-methyl-, 1-met...	130	C7H14O2	000617-50-5	78
2	Butanoic acid, 1-methylethyl ester	130	C7H14O2	000638-11-9	72
3	Propanoic acid, 2-methyl-, propy...	130	C7H14O2	000644-49-5	72
4	Butanoic acid, propyl ester	130	C7H14O2	000105-66-8	64
5	Propanoic acid, 2-methyl-, penty...	158	C9H18O2	002445-72-9	56





Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG122118\
Data File : BG038819.D
Acq On : 22 Dec 2018 15:55
Operator : JU/SJ
Sample : J6469-02
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : DRUM-1

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

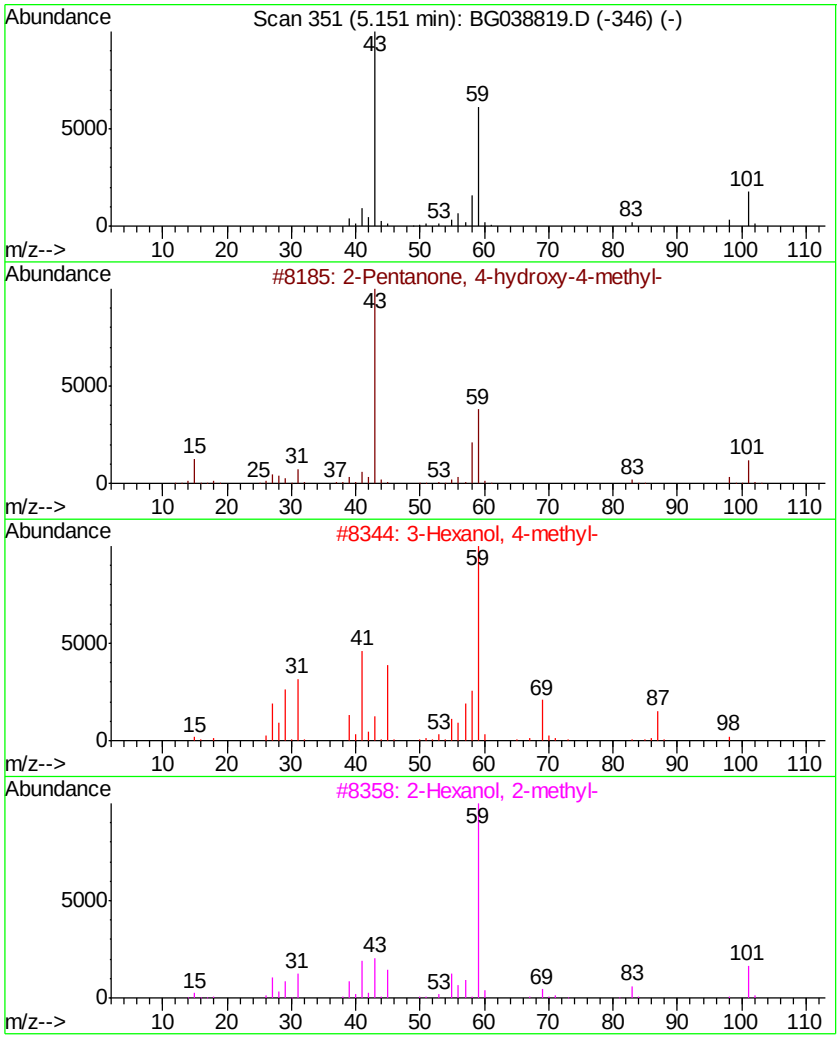
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

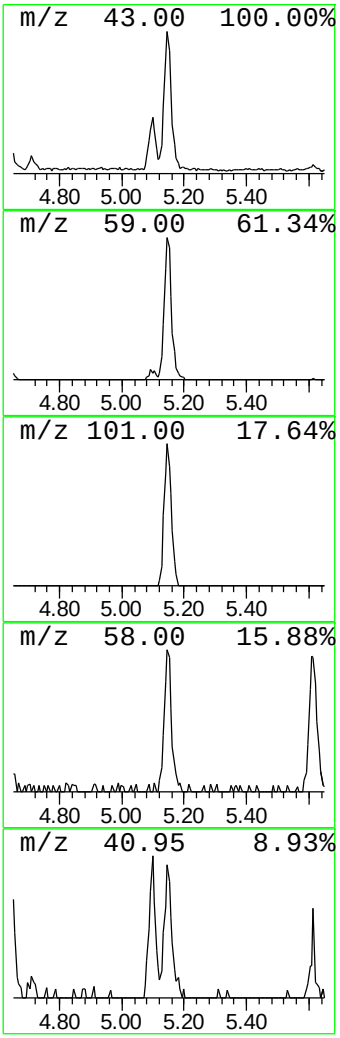
****

Peak Number 5 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.15	11.35 ng	95805	1,4-Dichlorobenzene-d4	8.06

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	50
2	3-Hexanol, 4-methyl-	116	C7H16O	000615-29-2	33
3	2-Hexanol, 2-methyl-	116	C7H16O	000625-23-0	28
4	4-Penten-2-one, 4-methyl-	98	C6H10O	003744-02-3	10
5	2,3-Butanedione, monooxime	101	C4H7NO2	000057-71-6	9





Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG122118\
Data File : BG038819.D
Acq On : 22 Dec 2018 15:55
Operator : JU/SJ
Sample : J6469-02
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : DRUM-1

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

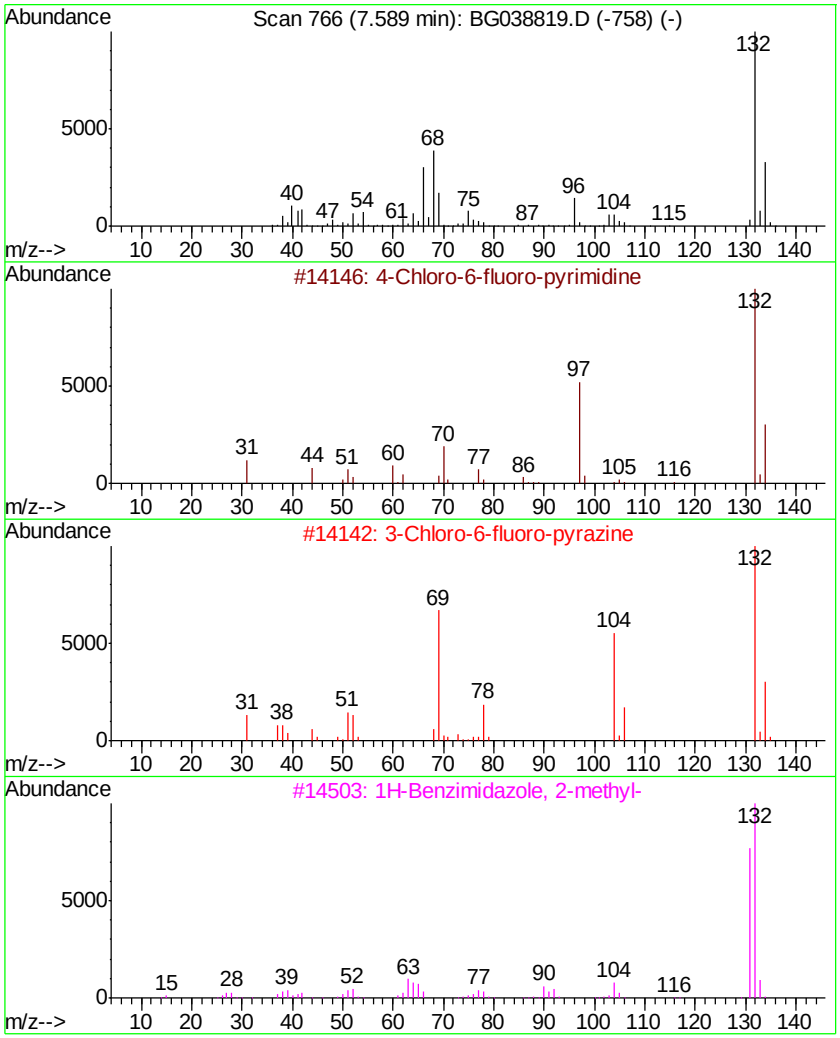
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

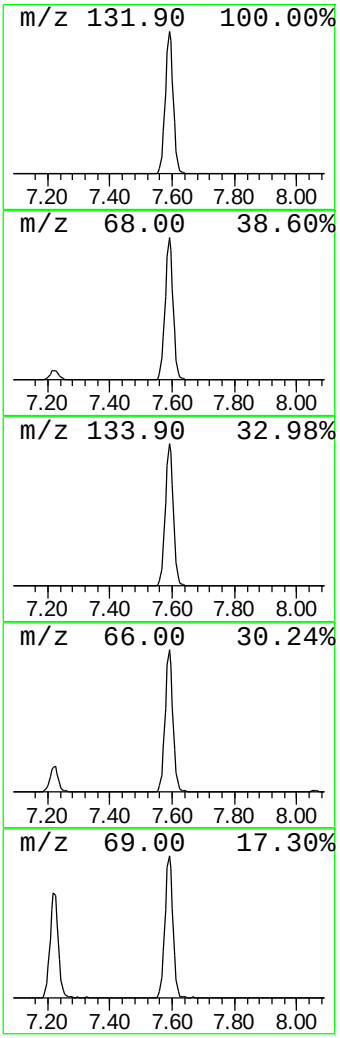
****

Peak Number 6 unknown7.59 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.59	125.19 ng	1056470	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	1H-Benzimidazole, 2-methyl-	132	C8H8N2	000615-15-6	22
4	5-Aminoindole	132	C8H8N2	005192-03-0	22
5	(5-Methyl-2-pyridyl)acetonitrile	132	C8H8N2	1000241-93-9	10





Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG122118\
Data File : BG038819.D
Acq On : 22 Dec 2018 15:55
Operator : JU/SJ
Sample : J6469-02
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : DRUM-1

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

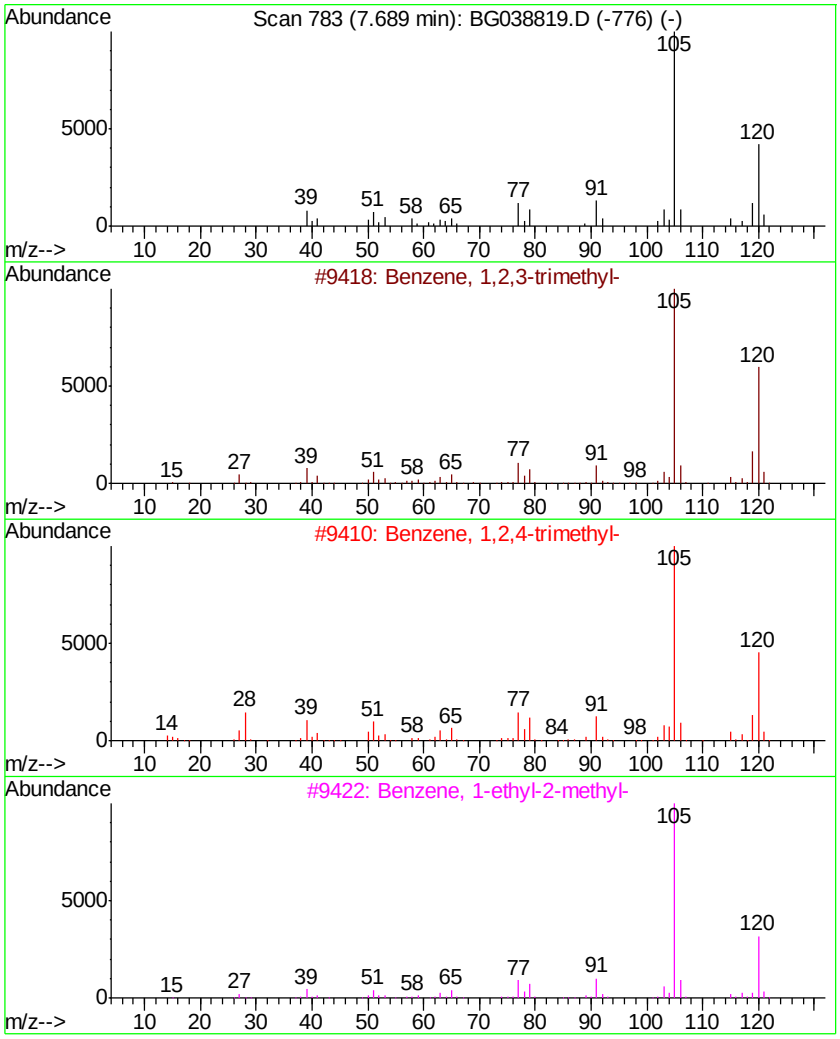
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

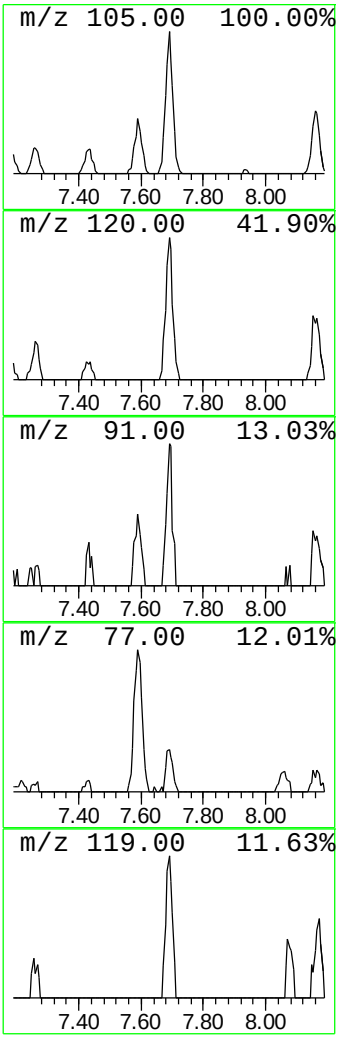
****

Peak Number 7 Benzene, 1,2,3-trimethyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.69	6.17 ng	52050	1,4-Dichlorobenzene-d4	8.06

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	94
2	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	94
3	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	93
4	Mesitylene	120	C9H12	000108-67-8	91
5	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	91





Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG122118\
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Acq On : 22 Dec 2018 15:55
Operator : JU/SJ
Sample : J6469-02
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : DRUM-1

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

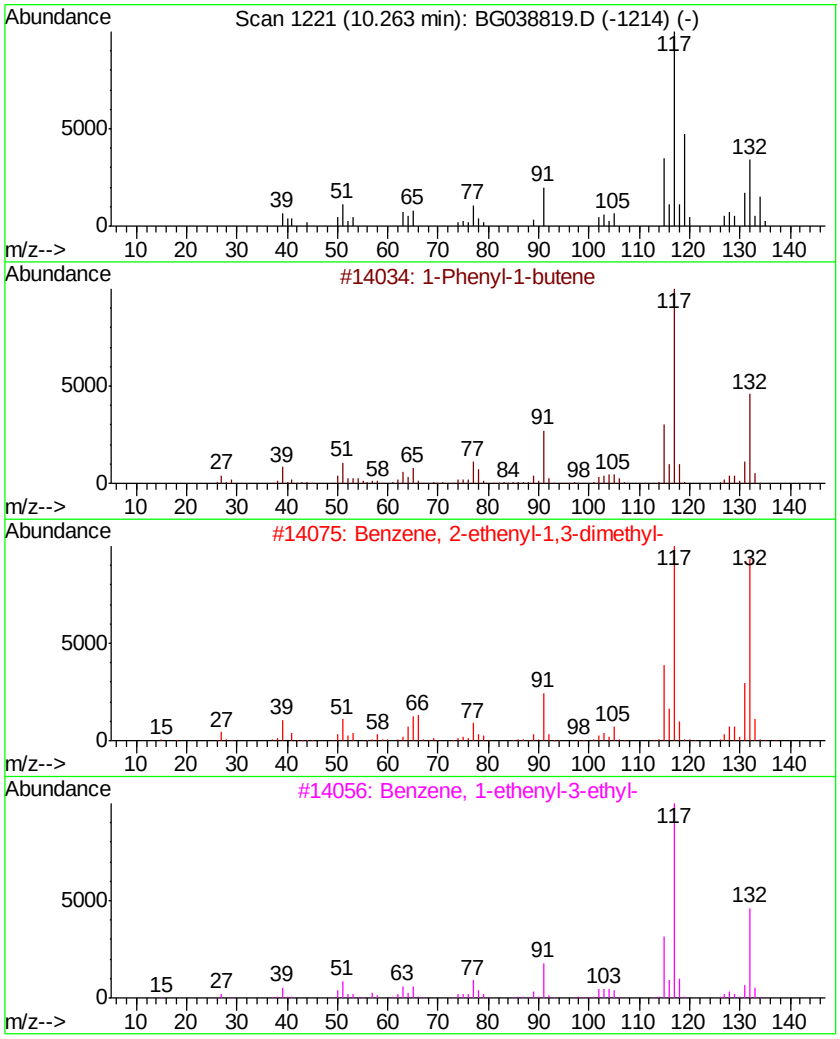
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

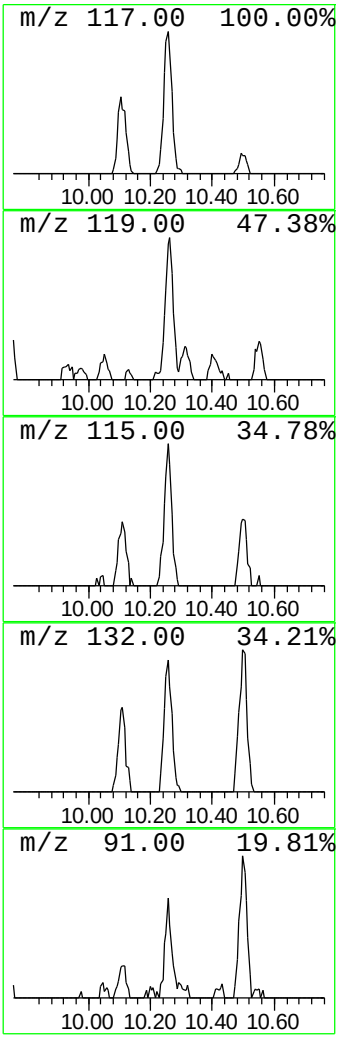
****

Peak Number 9 1-Phenyl-1-butene Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.26	6.23 ng	65937	Naphthalene-d8	10.87

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Phenyl-1-butene	132	C10H12	000824-90-8	96
2	Benzene, 2-ethenyl-1,3-dimethyl-	132	C10H12	002039-90-9	93
3	Benzene, 1-ethenyl-3-ethyl-	132	C10H12	007525-62-4	92
4	1H-Indene, 2,3-dihydro-2-methyl-	132	C10H12	000824-63-5	92
5	Benzene, 2-butenyl-	132	C10H12	001560-06-1	90





Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG122118\
Data File : BG038819.D
Acq On : 22 Dec 2018 15:55
Operator : JU/SJ
Sample : J6469-02
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : DRUM-1

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

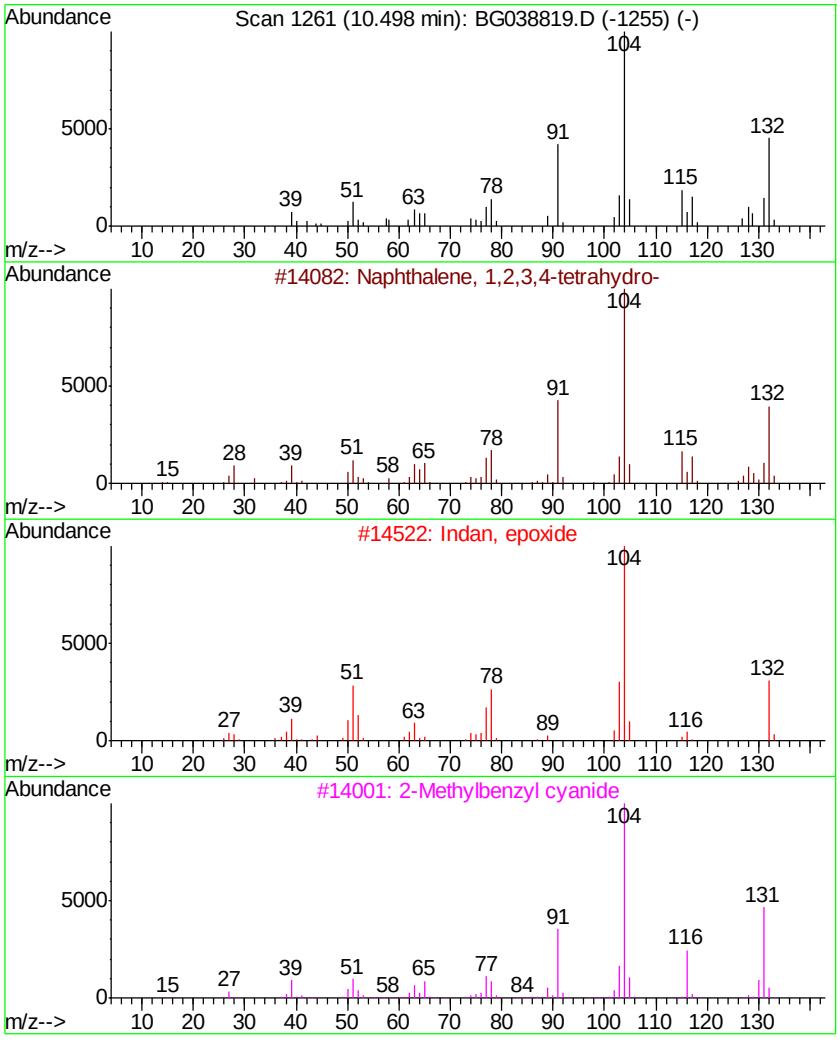
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

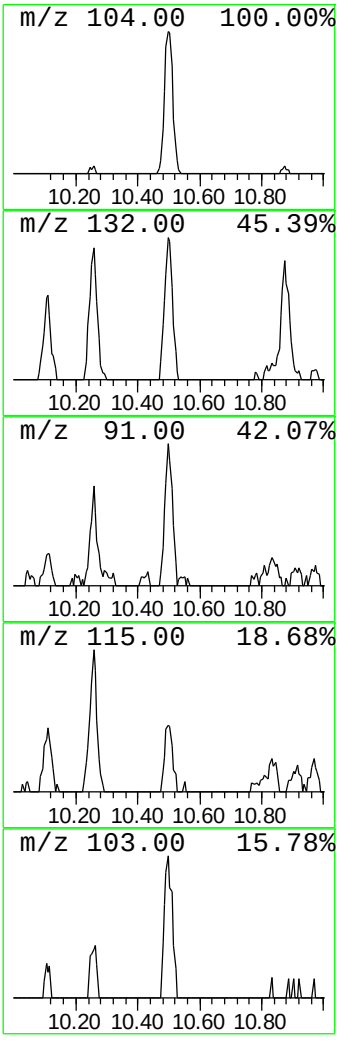
****

Peak Number 10 Naphthalene, 1,2,3,4-tetrah... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.50	5.34 ng	56563	Naphthalene-d8	10.87

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,2,3,4-tetrahydro-	132	C10H12	000119-64-2	93
2	Indan, epoxide	132	C9H8O	000768-22-9	50
3	2-Methylbenzyl cyanide	131	C9H9N	022364-68-7	46
4	Benzene, cyclobutyl-	132	C10H12	004392-30-7	43
5	3(2H)-Furanone, dihydro-2,2-dime...	190	C12H14O2	063678-00-2	38





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG122118\
Data File : BG038819.D
Acq On : 22 Dec 2018 15:55
Operator : JU/SJ
Sample : J6469-02
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : DRUM-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

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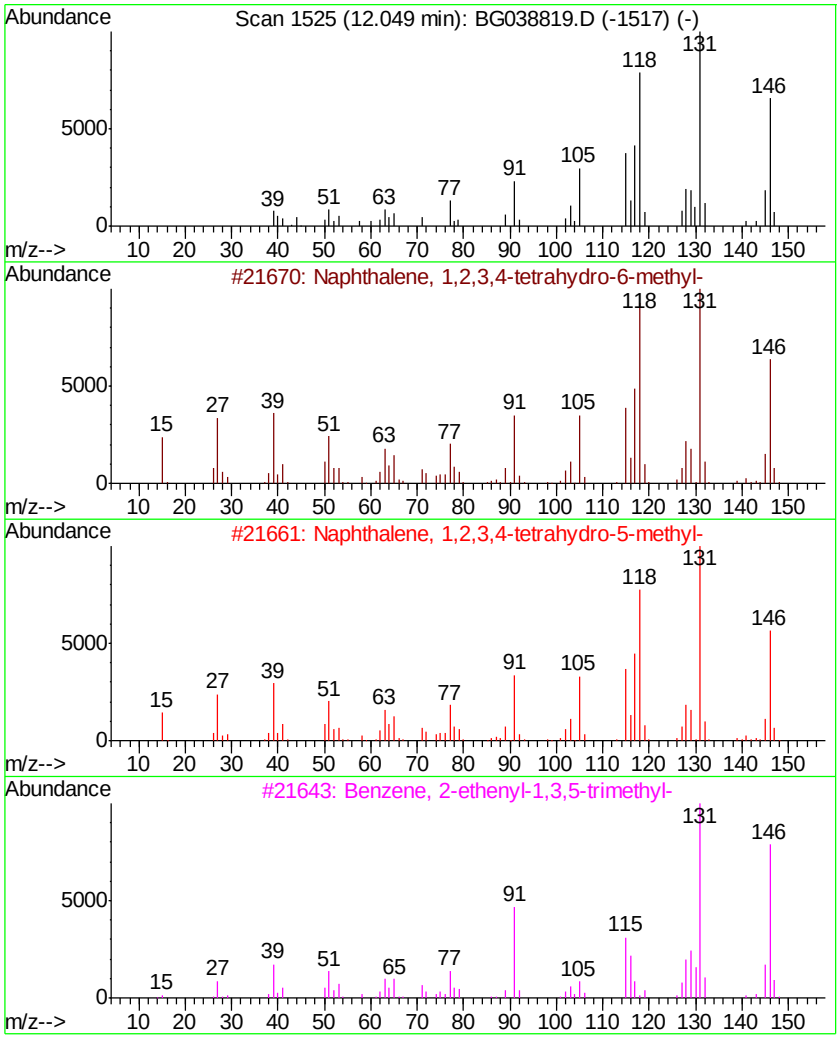
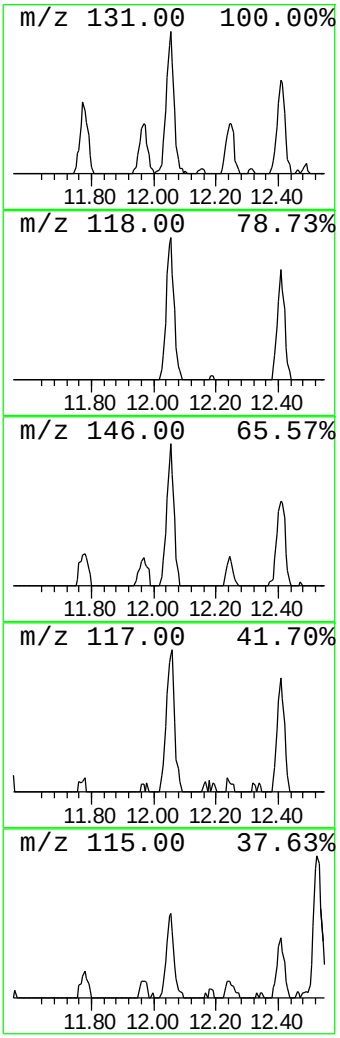
Peak Number 11 Naphthalene, 1,2,3,4-tetrah... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.05	7.16 ng	75804	Naphthalene-d8	10.87

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	001680-51-9	96
2	Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	002809-64-5	96
3	Benzene, 2-ethenyl-1,3,5-trimethyl-	146	C11H14	000769-25-5	78
4	1H-Inden-1-one, 2,3-dihydro-2-me...	146	C10H10O	017496-14-9	58
5	Benzene, (1-methyl-1-butenyl)-	146	C11H14	053172-84-2	53





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Acq On : 22 Dec 2018 15:55
Operator : JU/SJ
Sample : J6469-02
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : DRUM-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

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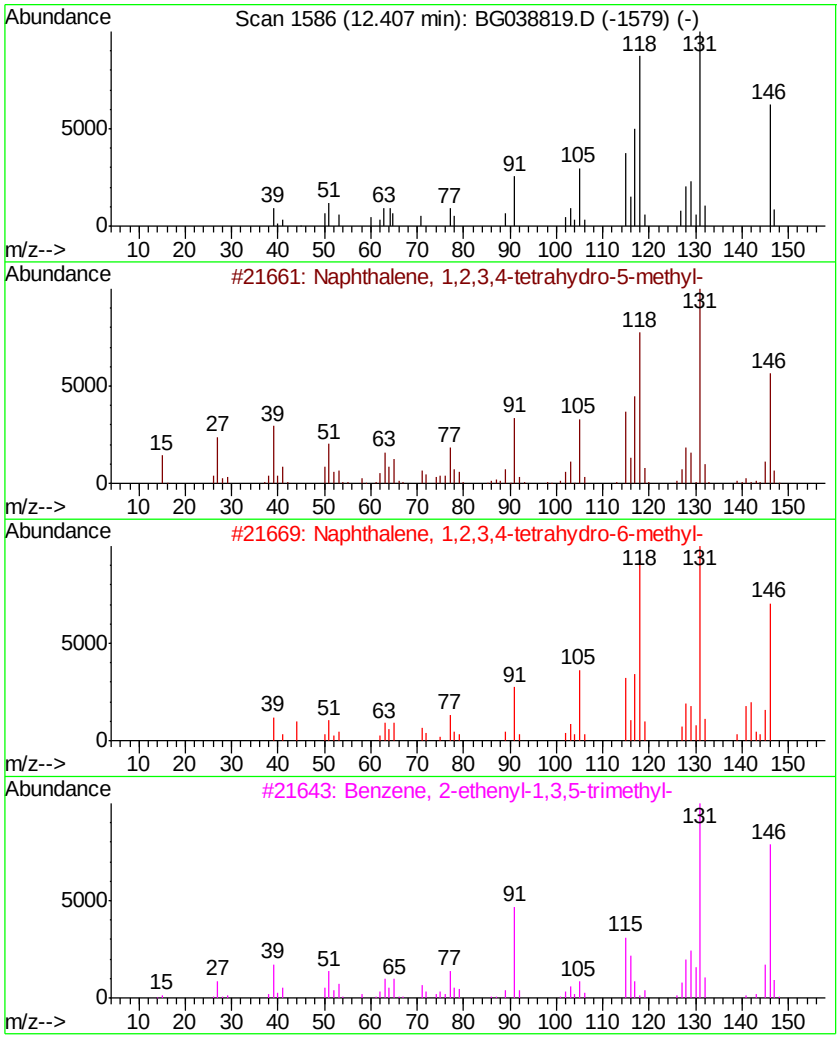
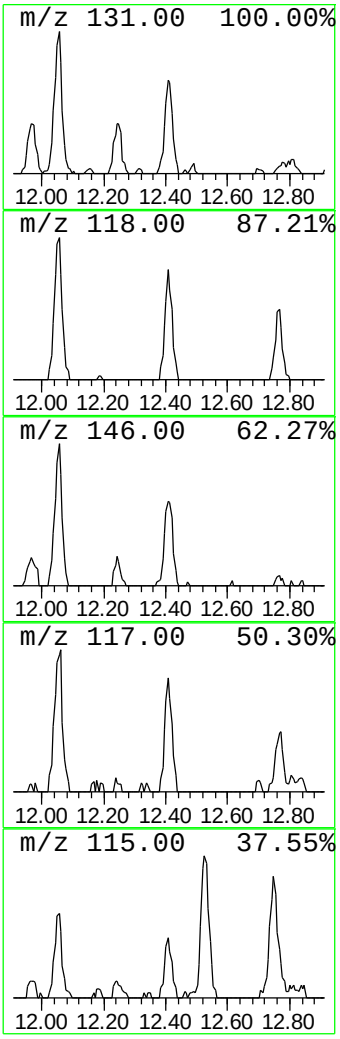
Peak Number 12 Naphthalene, 1,2,3,4-tetrah... Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.41	4.66 ng	49370	Naphthalene-d8	10.87

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	002809-64-5	94
2	Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	001680-51-9	91
3	Benzene, 2-ethenyl-1,3,5-trimethyl-	146	C11H14	000769-25-5	78
4	Benzene, (1-ethyl-2-propenyl)-	146	C11H14	019947-22-9	68
5	Benzene, (3-methyl-2-butenyl)-	146	C11H14	004489-84-3	55





Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG122118\
Data File : BG038819.D
Acq On : 22 Dec 2018 15:55
Operator : JU/SJ
Sample : J6469-02
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : DRUM-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

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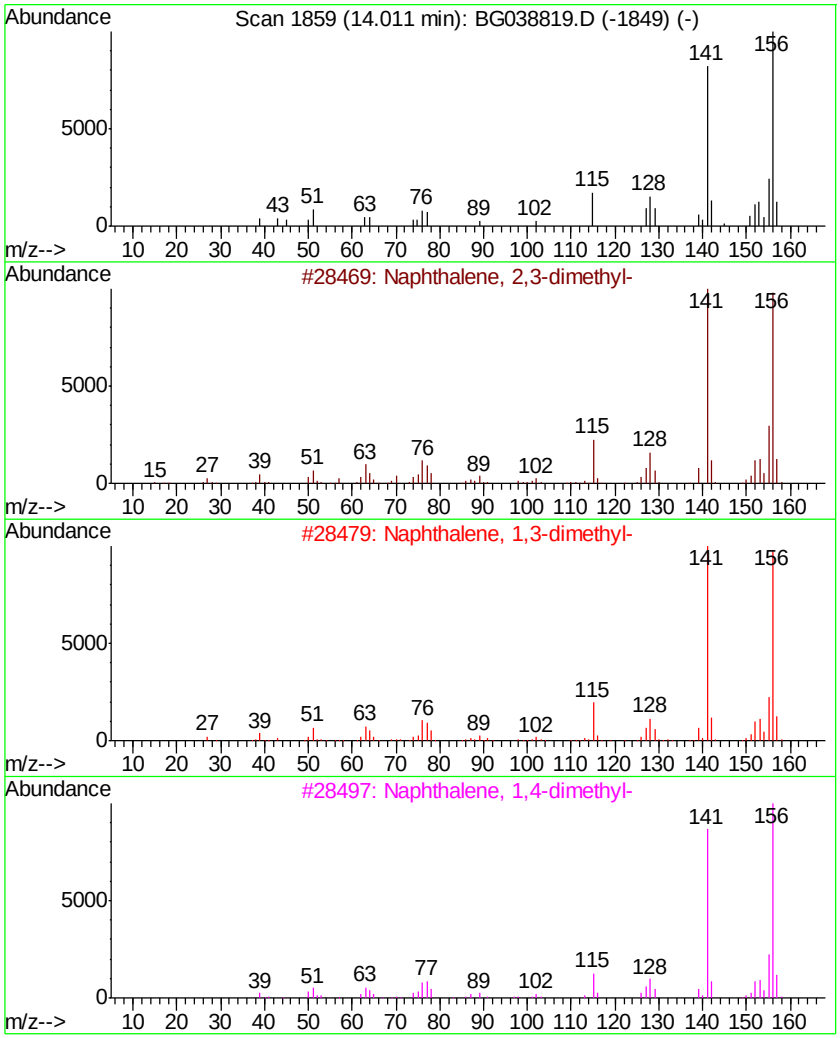
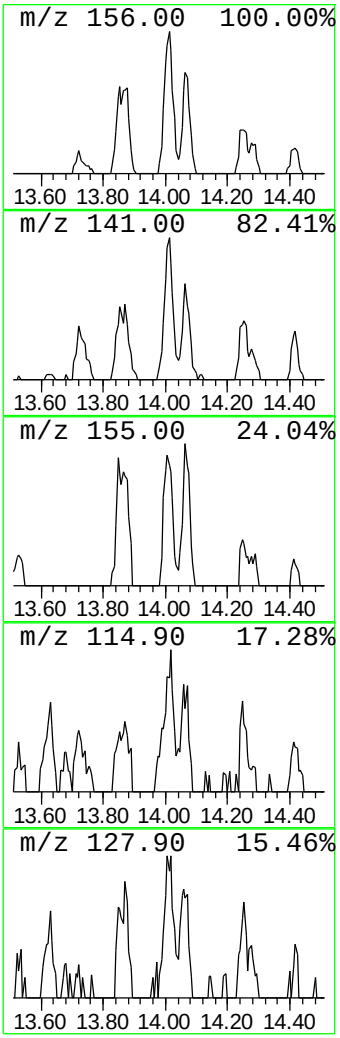
Peak Number 13 Naphthalene, 2,3-dimethyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.01	2.73 ng	50092	Acenaphthene-d10	14.70

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	98
2	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	98
3	Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	97
4	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	96
5	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	96





Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG122118\
Data File : BG038819.D
Acq On : 22 Dec 2018 15:55
Operator : JU/SJ
Sample : J6469-02
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : DRUM-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
unknown3.21	3.21	6.5	ng	55059	1	8.06	168776	20.0
n-Propyl acetate	3.49	11.1	ng	93702	1	8.06	168776	20.0
Propanoic acid, p...	4.65	6.7	ng	56173	1	8.06	168776	20.0
Propanoic acid, 2...	5.10	4.8	ng	40595	1	8.06	168776	20.0
2-Pentanone, 4-hy...	5.15	11.4	ng	95805	1	8.06	168776	20.0
unknown7.59	7.59	125.2	ng	1056470	1	8.06	168776	20.0
Benzene, 1,2,3-tr...	7.69	6.2	ng	52050	1	8.06	168776	20.0
1-Phenyl-1-butene	10.26	6.2	ng	65937	2	10.87	211749	20.0
Naphthalene, 1,2,...	10.50	5.3	ng	56563	2	10.87	211749	20.0
Naphthalene, 1,2,...	12.05	7.2	ng	75804	2	10.87	211749	20.0
Naphthalene, 1,2,...	12.41	4.7	ng	49370	2	10.87	211749	20.0
Naphthalene, 2,3-...	14.01	2.7	ng	50092	3	14.70	367502	20.0