LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG091918\
Data File : BG036840.D
Acq On : 20 Sep 2018 8:51
Operator : JU/SJ
Sample : J4979-01
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : VNJ-202

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-BG082318.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	3.760	76	80	92	rBV	41814	73048	1.71%	0.196%
2	5.153	310	317	327	rVB	88976	142558	3.33%	0.383%
3	5.617	389	396	407	rBV	945802	1532293	35.81%	4.116%
4	7.209	658	667	680	rBV	1034192	1897399	44.35%	5.096%
5	7.579	722	730	740	rBV	1039484	1742916	40.74%	4.681%
6	8.043	803	809	817	rVB	248217	433247	10.13%	1.164%
7	8.372	857	865	877	rVB	832829	1446638	33.81%	3.886%
8	9.207	999	1007	1016	rBV	684320	1241397	29.02%	3.334%
9	10.852	1278	1287	1296	rVB	355806	646406	15.11%	1.736%
10	12.573	1575	1580	1588	rBV4	43443	98433	2.30%	0.264%
11	13.043	1655	1660	1663	rBV7	53940	109624	2.56%	0.294%
12	13.120	1669	1673	1678	rVB3	105111	160031	3.74%	0.430%
13	13.296	1695	1703	1709	rBV	1630116	2771190	64.77%	7.443%
14	13.461	1727	1731	1738	rBV3	320554	575285	13.45%	1.545%
15	14.101	1835	1840	1846	rBV2	838265	1580490	36.94%	4.245%
16	14.160	1846	1850	1854	rVV2	579786	887251	20.74%	2.383%
17	14.213	1855	1859	1867	rVB2	516551	1034462	24.18%	2.778%
18	14.324	1875	1878	1882	rBV6	287289	447827	10.47%	1.203%
19	14.418	1889	1894	1901	rBV5	989315	2555284	59.72%	6.863%
20	14.512	1905	1910	1916	rVB	2415747	4145734	96.90%	11.135%
21	14.647	1929	1933	1936	rBV	914577	1502939	35.13%	4.037%
22	15.200	2023	2027	2032	rBV3	1456240	2244265	52.46%	6.028%
23	15.476	2070	2074	2083	rVB3	1731279	2560916	59.86%	6.878%
24	16.422	2231	2235	2247	rVB	2222254	4278440	100.00%	11.491%
25	20.041	2847	2851	2857	rVB	2203598	3123467	73.00%	8.389%

Sum of corrected areas: 37231540

LSC Report - Integrated Chromatogram

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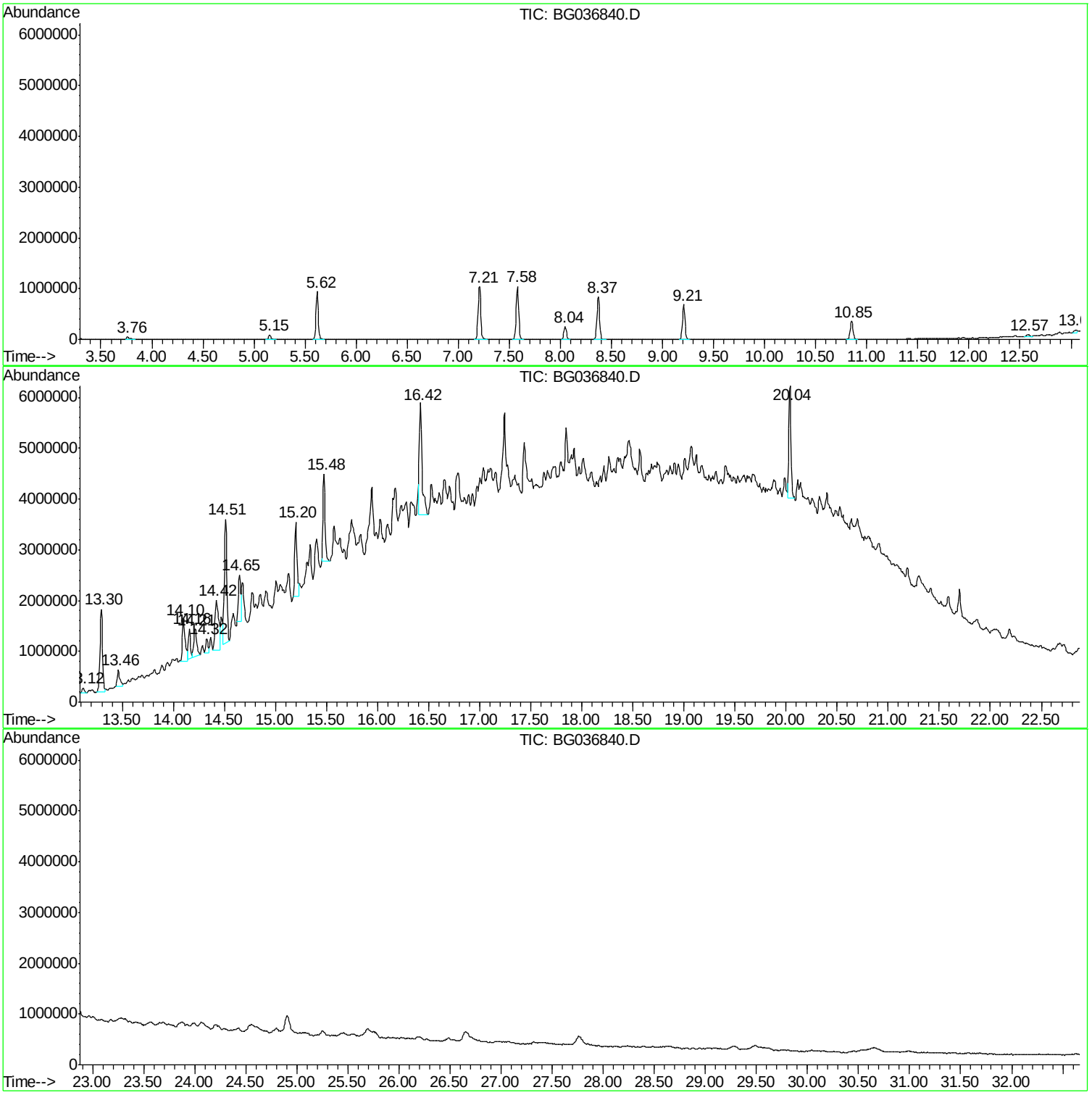
Sample : J4979-01
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : VNJ-202

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG082318.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

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Operator : JU/SJ
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ClientSampleId : VNJ-202

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TIC Library : C:\Database\NIST11.L
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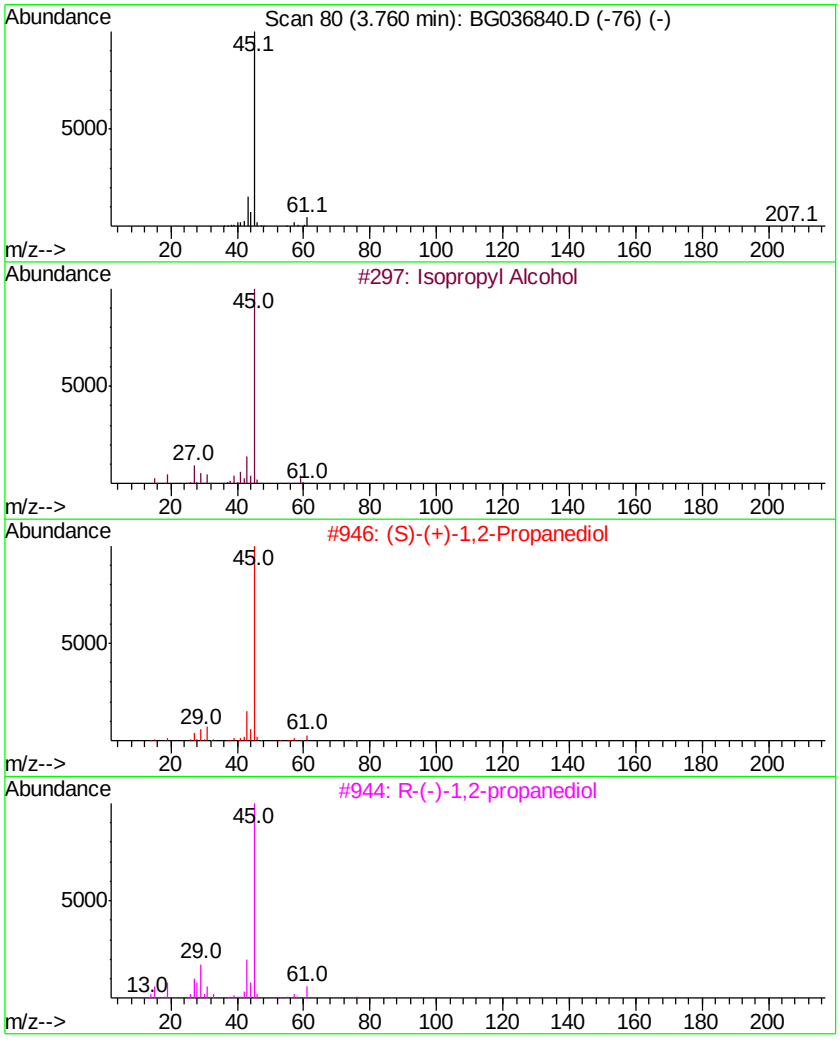
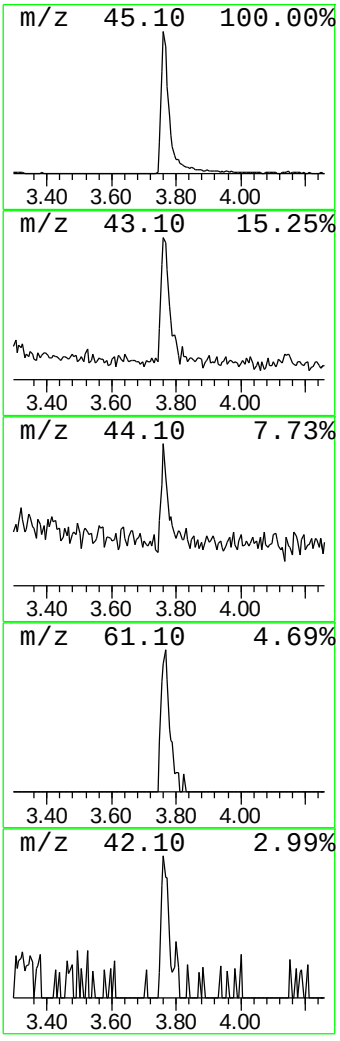
****

Peak Number 1 Isopropyl Alcohol Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.76	3.37 ng	73048	1,4-Dichlorobenzene-d4	8.05

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Isopropyl Alcohol	60	C3H8O	000067-63-0	80
2	(S)-(+)-1,2-Propanediol	76	C3H8O2	004254-15-3	64
3	R-(-)-1,2-propanediol	76	C3H8O2	004254-14-2	43
4	Propylene Glycol	76	C3H8O2	000057-55-6	43
5	2-Butanol	74	C4H10O	000078-92-2	9





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Sample : J4979-01
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : VNJ-202

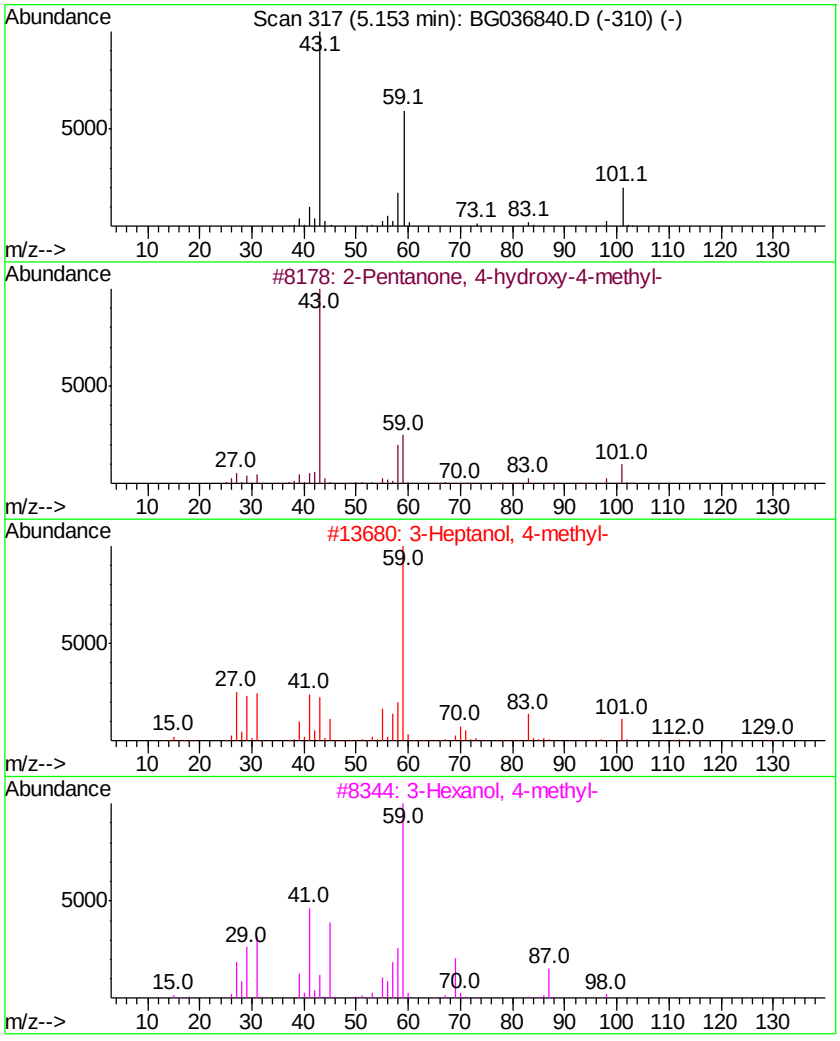
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG082318.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

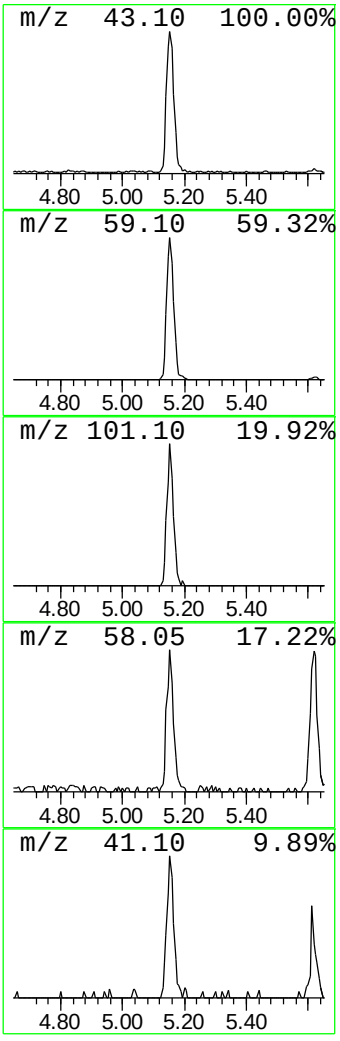
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 2 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.15	6.58 ng	142558	1,4-Dichlorobenzene-d4	8.05

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	64
2	3-Heptanol, 4-methyl-	130	C8H18O	014979-39-6	28
3	3-Hexanol, 4-methyl-	116	C7H16O	000615-29-2	28
4	Acetic acid, cyano-, 1,1-dimethy...	141	C7H11NO2	001116-98-9	25
5	Tetraglyme	222	C10H22O5	000143-24-8	25





Library Search Compound Report

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Acq On : 20 Sep 2018 8:51
Operator : JU/SJ
Sample : J4979-01
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : VNJ-202

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG082318.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

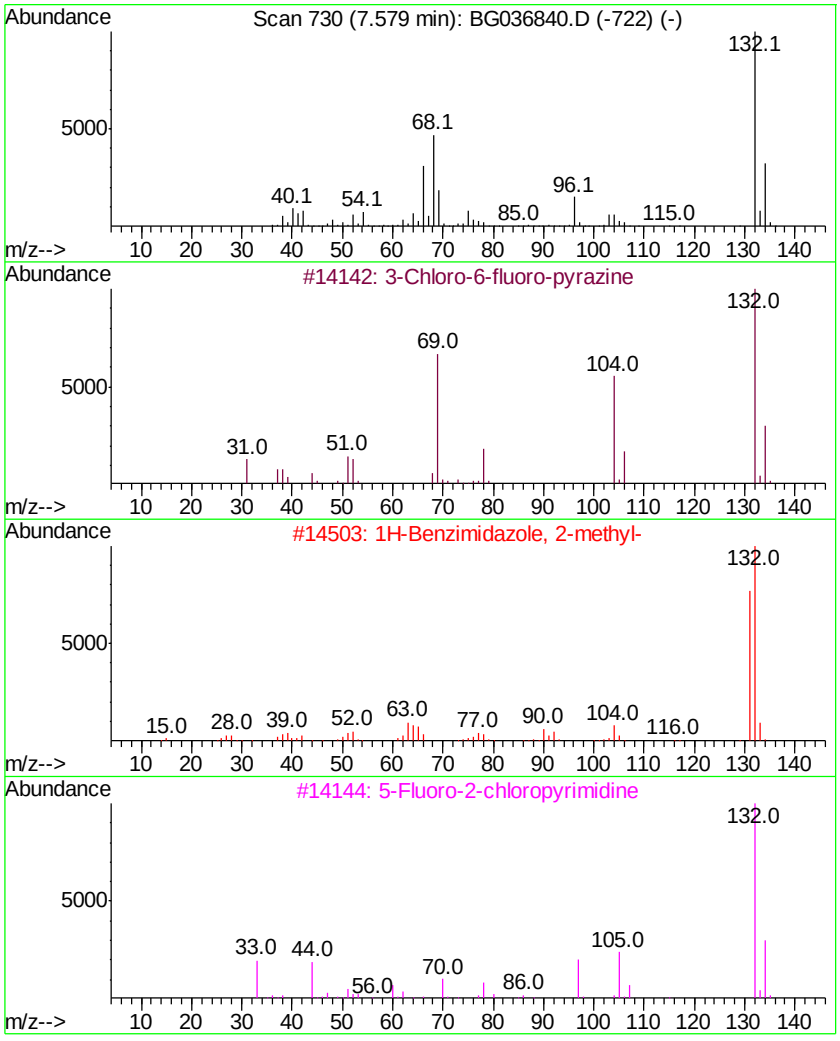
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

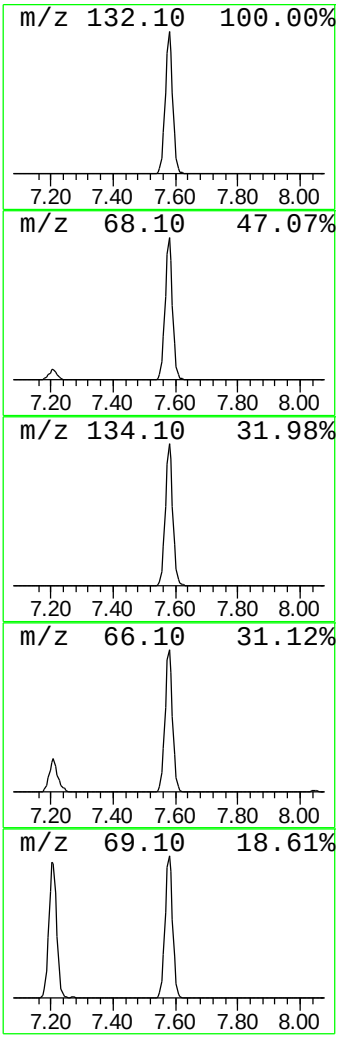
****

Peak Number 3 unknown7.58 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.58	80.46 ng	1742920	1,4-Dichlorobenzene-d4	8.05

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	27
2	1H-Benzimidazole, 2-methyl-	132	C8H8N2	000615-15-6	22
3	5-Fluoro-2-chloropyrimidine	132	C4H2ClFN2	062802-42-0	12
4	Tranylcypromine-propionyl	189	C12H15NO	1000123-86-3	10
5	N-(-3,4-Methylenedioxyphenylisop...	267	C17H17NO2	1000378-96-6	10





Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG091918\
Data File : BG036840.D
Acq On : 20 Sep 2018 8:51
Operator : JU/SJ
Sample : J4979-01
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : VNJ-202

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG082318.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST11.L
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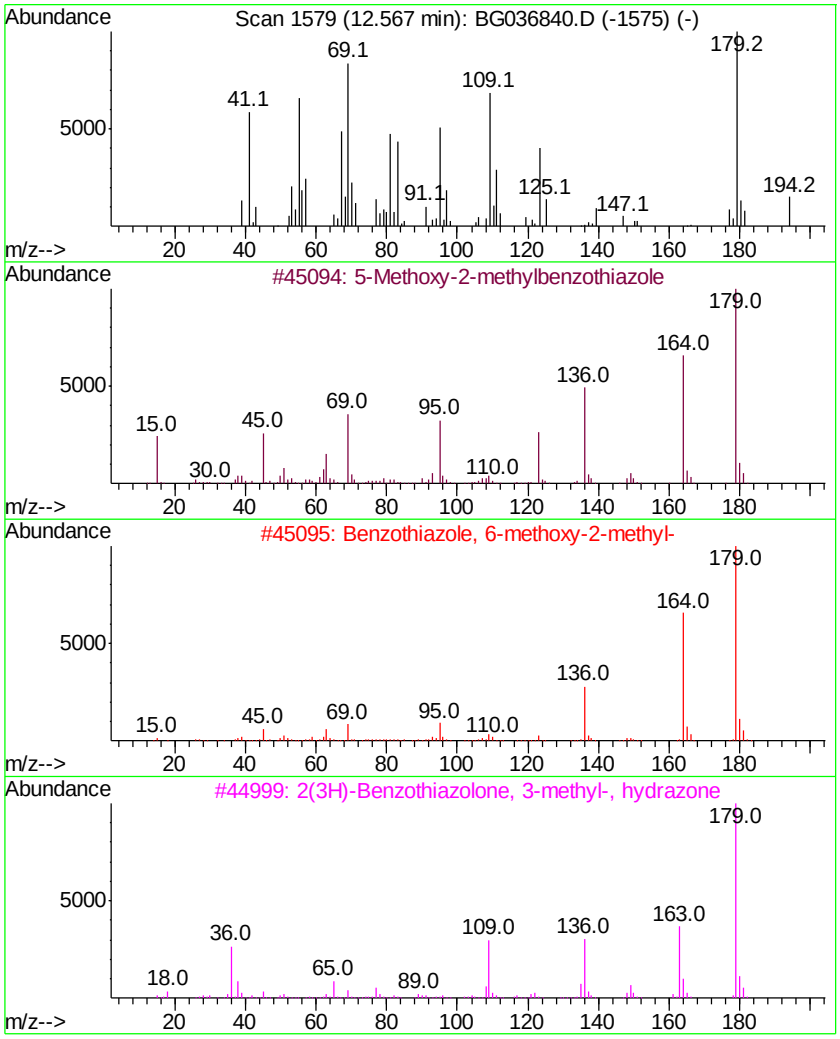
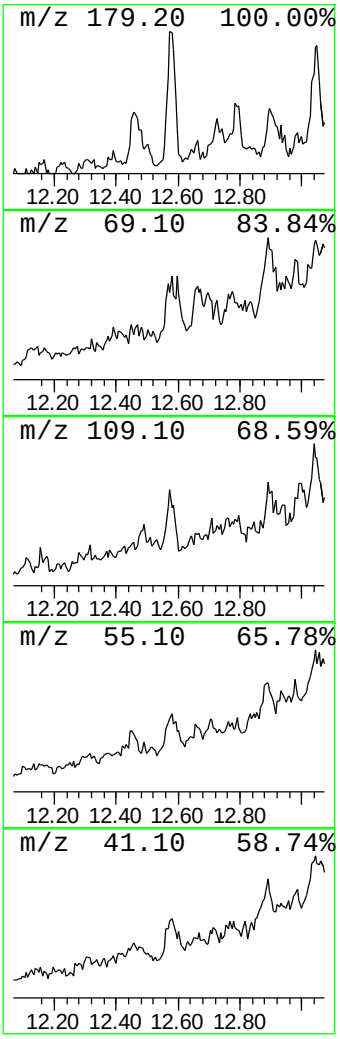
****

Peak Number 5 unknown12.57 Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.57	3.05 ng	98433	Naphthalene-d8	10.85

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	5-Methoxy-2-methylbenzothiazole	179	C9H9NOS	1000342-71-0	46
2	Benzothiazole, 6-methoxy-2-methyl-	179	C9H9NOS	002941-72-2	43
3	2(3H)-Benzothiazolone, 3-methyl-...	179	C8H9N3S	001128-67-2	35
4	4,7(1H,8H)-Pteridinedione, 2-amino-	179	C6H5N5O2	000529-69-1	35
5	1-Dimethyl(phenyl)silyloxypropane	194	C11H18OSi	013360-21-9	30





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Operator : JU/SJ
Sample : J4979-01
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : VNJ-202

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG082318.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST11.L
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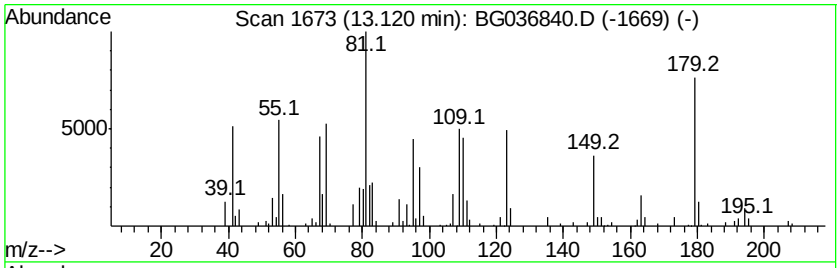
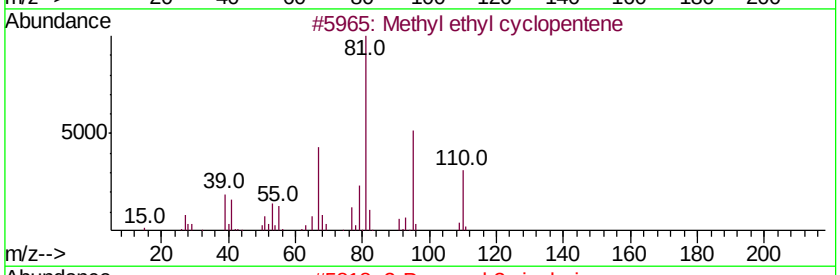
****

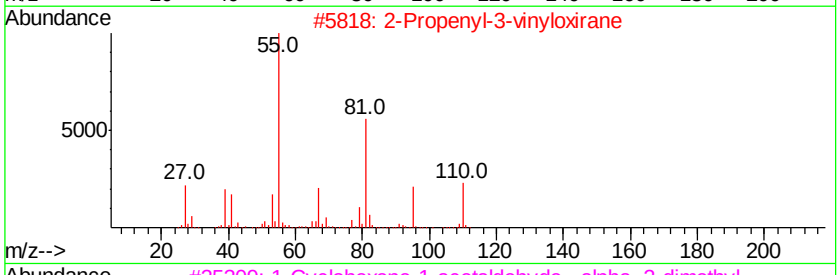
Peak Number 6 Methyl ethyl cyclopentene Concentration Rank 14

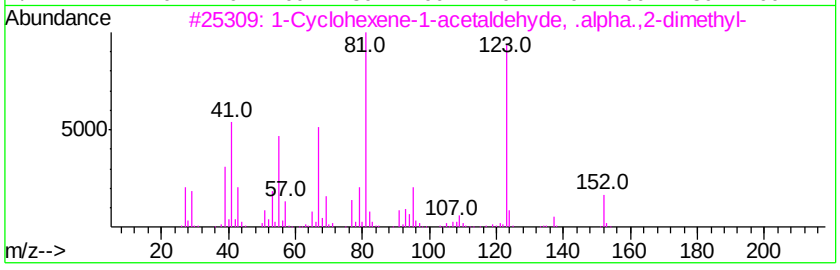
R.T.	EstConc	Area	Relative to ISTD	R.T.
13.12	2.13 ng	160031	Acenaphthene-d10	14.68

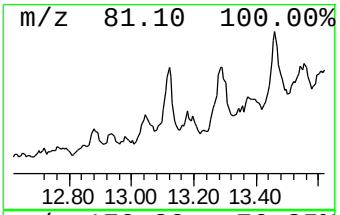
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Methyl ethyl cyclopentene	110	C8H14	019780-56-4	50
2	2-Propenyl-3-vinyloxirane	110	C7H10O	070597-49-8	38
3	1-Cyclohexene-1-acetaldehyde, .a...	152	C10H16O	053155-80-9	27
4	3-Heptyne, 5-methyl-	110	C8H14	061228-09-9	27
5	Silane, chlorodiethylpentyloxy-	208	C9H21ClOSi	1000363-04-4	27

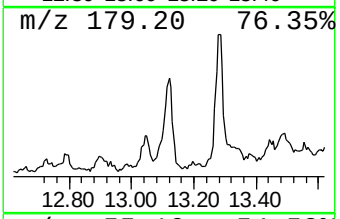


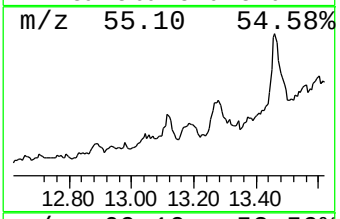


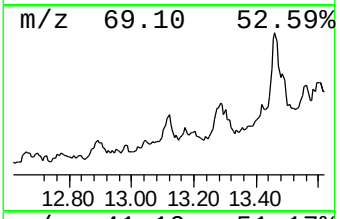


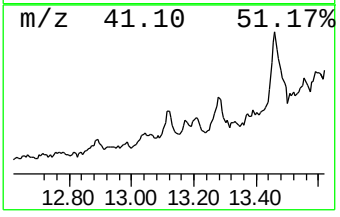












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Instrument : BNA_G
ClientSampleId : VNJ-202

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

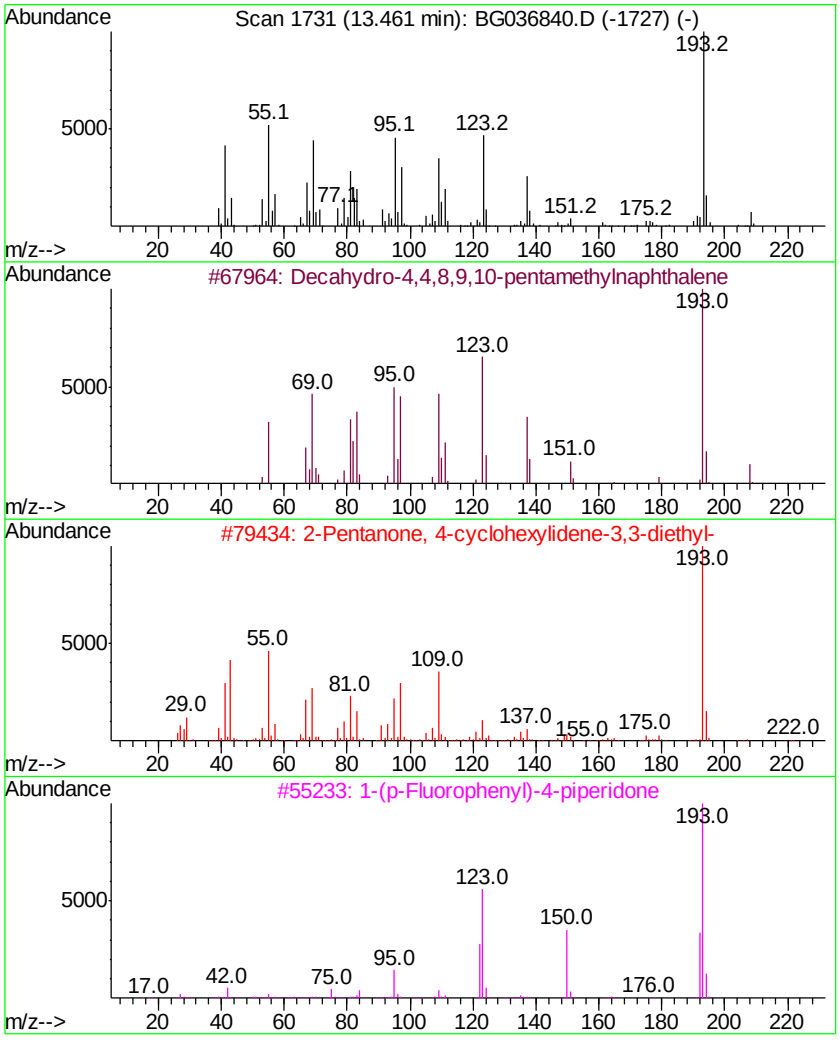
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

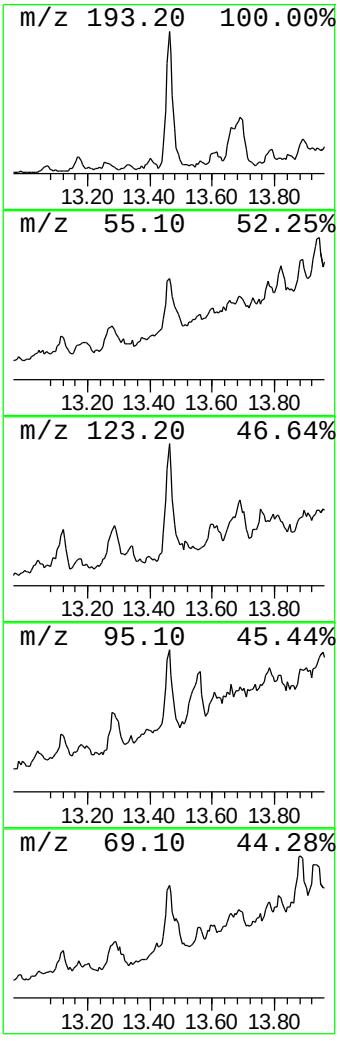
****

Peak Number 7 Decahydro-4,4,8,9,10-pentam... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.46	7.66 ng	575285	Acenaphthene-d10	14.68

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Decahydro-4,4,8,9,10-pentamethyl...	208	C15H28	080655-44-3	93
2	2-Pentanone, 4-cyclohexylidene-3...	222	C15H26O	313253-65-5	50
3	1-(p-Fluorophenyl)-4-piperidone	193	C11H12FNO	1000238-56-7	47
4	Anthracene, 9,10-dihydro-9,10-di...	208	C16H16	022566-43-4	38
5	2-Anthracenamine	193	C14H11N	000613-13-8	35





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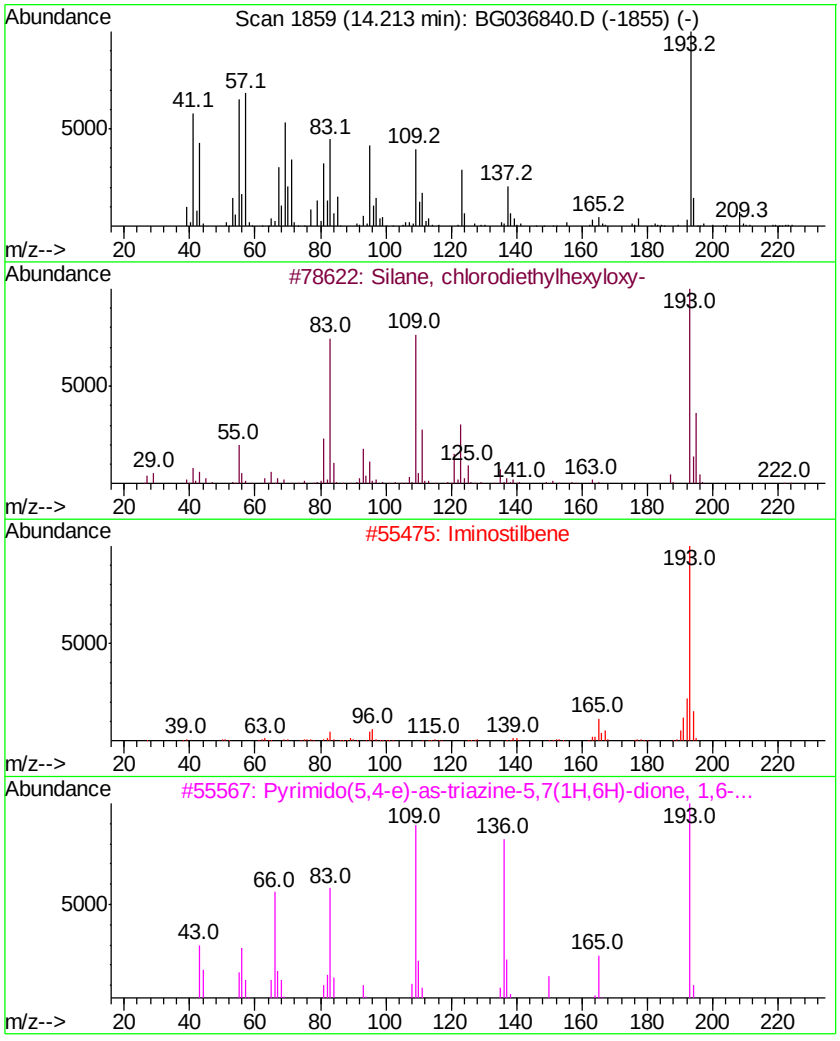
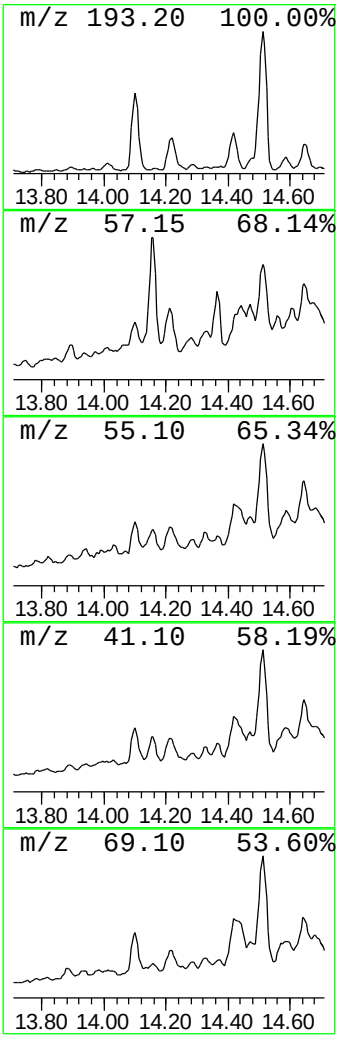
****

Peak Number 8 Silane, chlorodiethylhexyloxy- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.21	13.77 ng	1034460	Acenaphthene-d10	14.68

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Silane, chlorodiethylhexyloxy-	222	C10H23ClOSi	1000363-74-4	53
2	Iminostilbene	193	C14H11N	000256-96-2	37
3	Pyrimido(5,4-e)-as-triazine-5,7(...	193	C7H7N5O2	000084-82-2	32
4	9-Phenanthrenamine	193	C14H11N	000947-73-9	27
5	Butan-2-one, 1-[3-(3,3-dimethyl-...	278	C16H26N2O2	1000303-34-2	27





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Instrument : BNA_G
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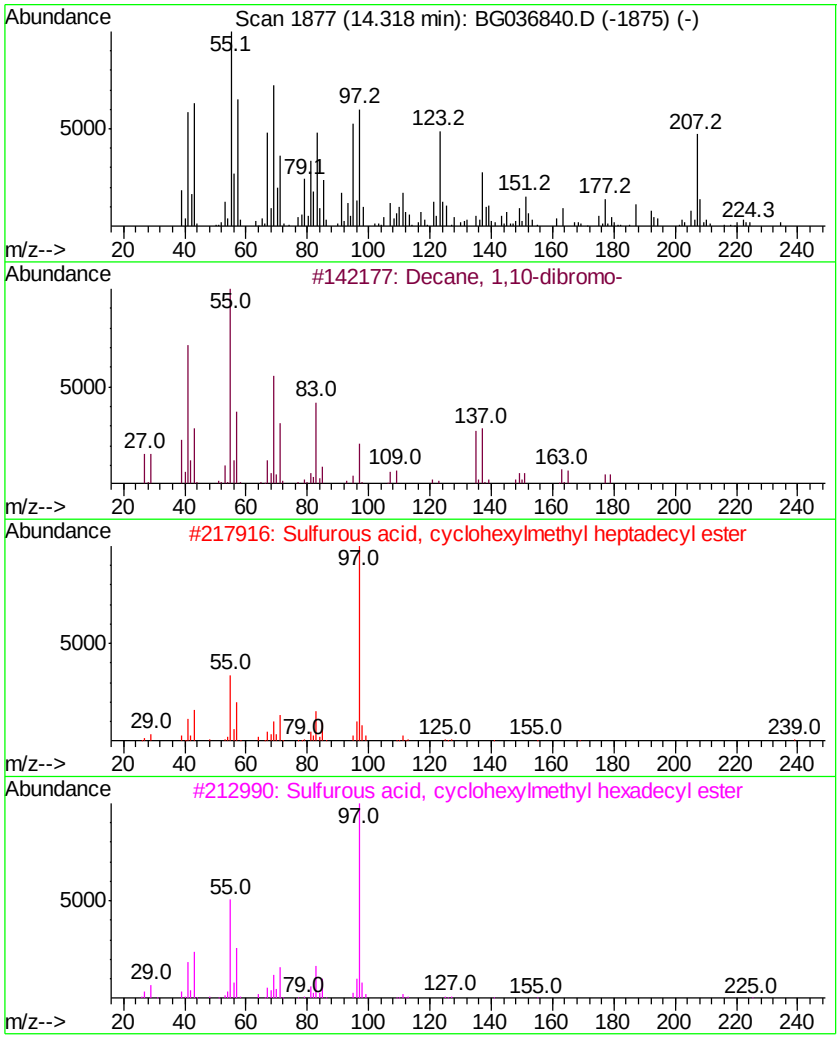
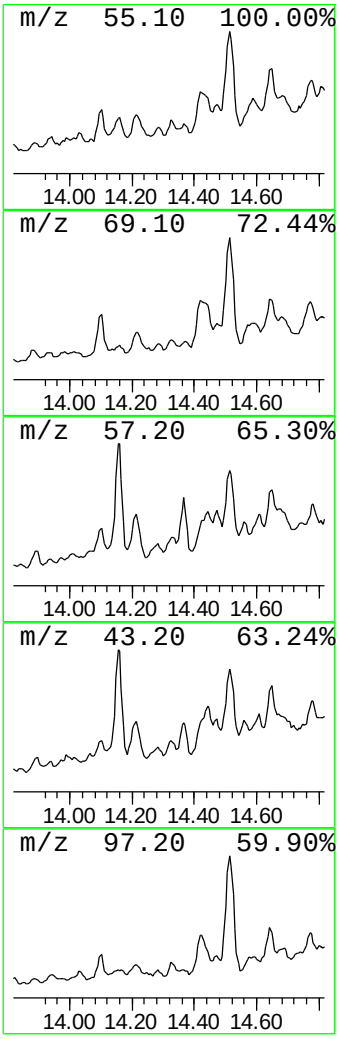
****

Peak Number 9 unknown14.32 Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.32	5.96 ng	447827	Acenaphthene-d10	14.68

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Decane, 1,10-dibromo-	298	C10H20Br2	004101-68-2	35
2	Sulfurous acid, cyclohexylmethyl...	416	C24H48O3S	1000309-22-5	30
3	Sulfurous acid, cyclohexylmethyl...	402	C23H46O3S	1000309-22-4	30
4	Cyclohexane, 1,1'-(2-methyl-1,3-...	222	C16H30	002883-08-1	30
5	Cyclopentane, 1,1,3-trimethyl-	112	C8H16	004516-69-2	25





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG091918\
Data File : BG036840.D
Acq On : 20 Sep 2018 8:51
Operator : JU/SJ
Sample : J4979-01
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : VNJ-202

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG082318.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

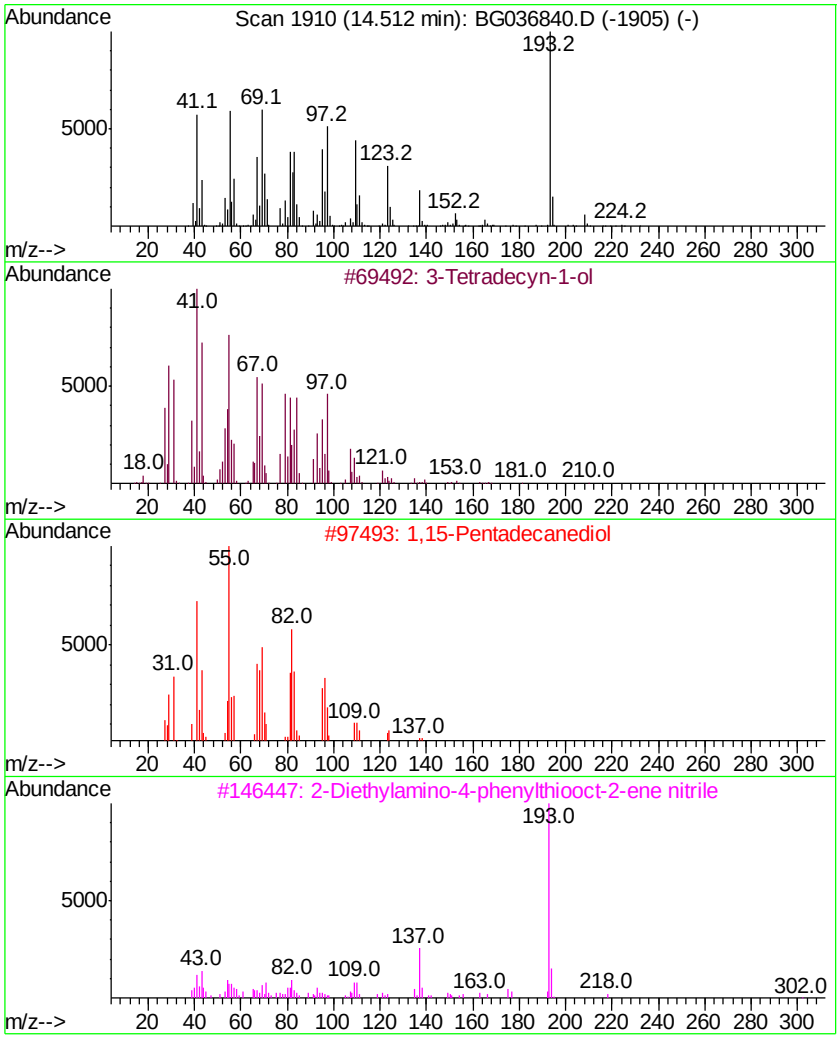
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

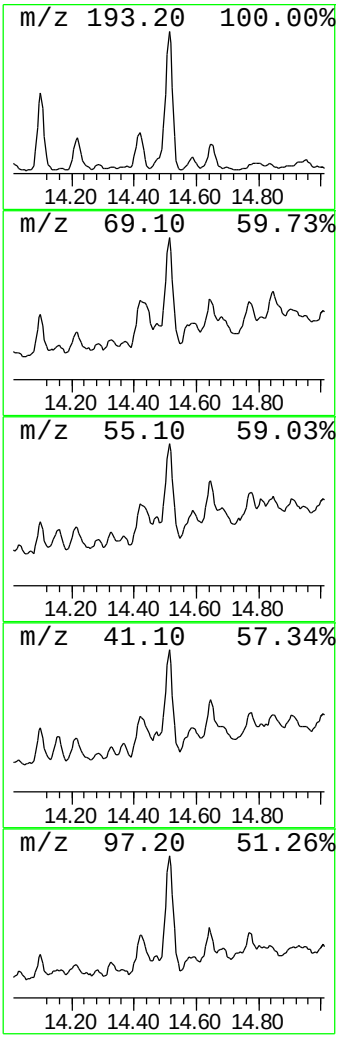
****

Peak Number 11 unknown14.51 Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.51	55.17 ng	4145730	Acenaphthene-d10	14.68

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Tetradecyn-1-ol	210	C14H26O	055182-74-6	35
2	1,15-Pentadecanediol	244	C15H32O2	014722-40-8	27
3	2-Diethylamino-4-phenylthiooct-2...	302	C18H26N2S	1000090-57-0	22
4	Bicyclo[3.1.1]heptane, 2,6,6-tri...	138	C10H18	000473-55-2	20
5	Cyclohexane, 1,1',1''-(1-ethanyl...	276	C20H36	055682-86-5	14





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Misc :
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Instrument : BNA_G
ClientSampleId : VNJ-202

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TIC Library : C:\Database\NIST11.L
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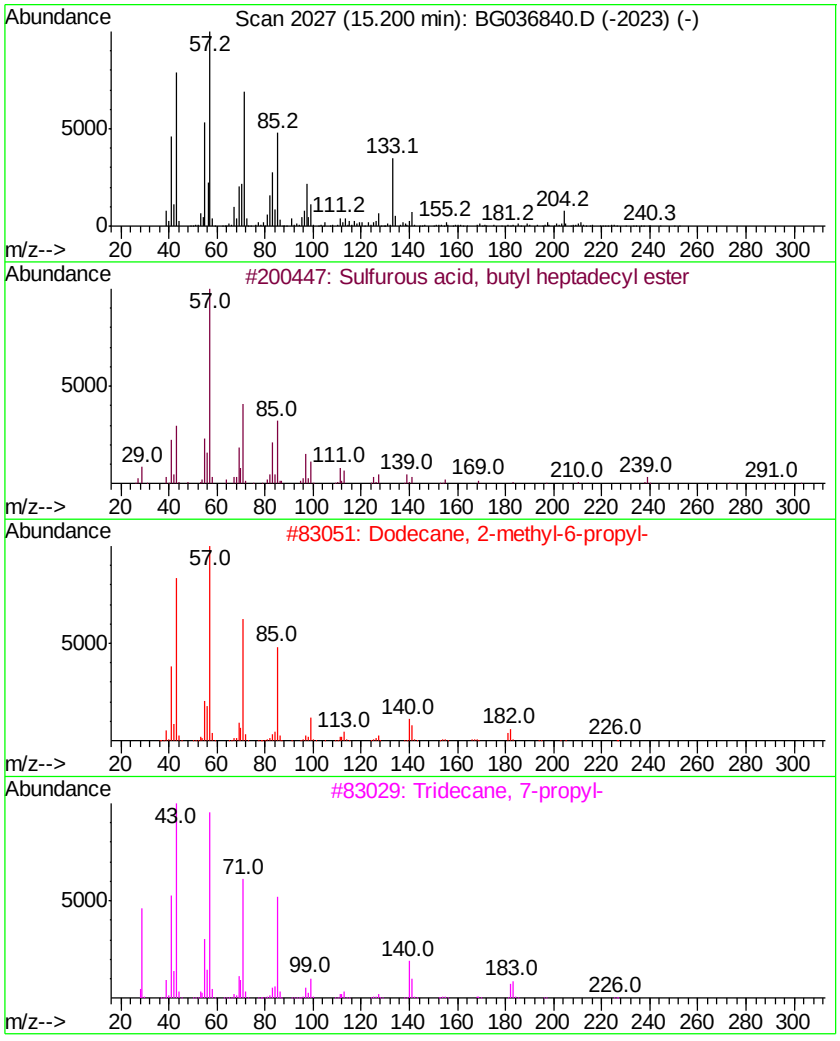
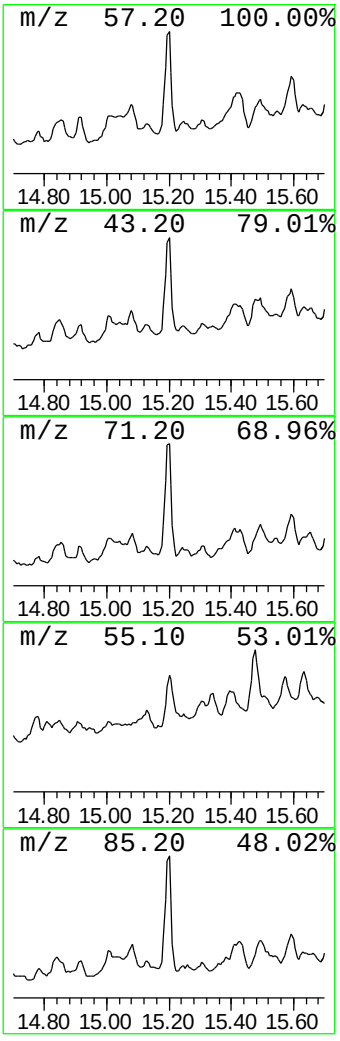
Peak Number 12 Sulfurous acid, butyl hepta... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.20	29.87 ng	2244270	Acenaphthene-d10	14.68

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Sulfurous acid, butyl heptadecyl...	376	C21H44O3S	1000309-18-4	72
2	Dodecane, 2-methyl-6-propyl-	226	C16H34	055045-08-4	60
3	Tridecane, 7-propyl-	226	C16H34	055045-09-5	60
4	Nonadecane	268	C19H40	000629-92-5	58
5	Hexadecane	226	C16H34	000544-76-3	55





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Operator : JU/SJ
Sample : J4979-01
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : VNJ-202

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG082318.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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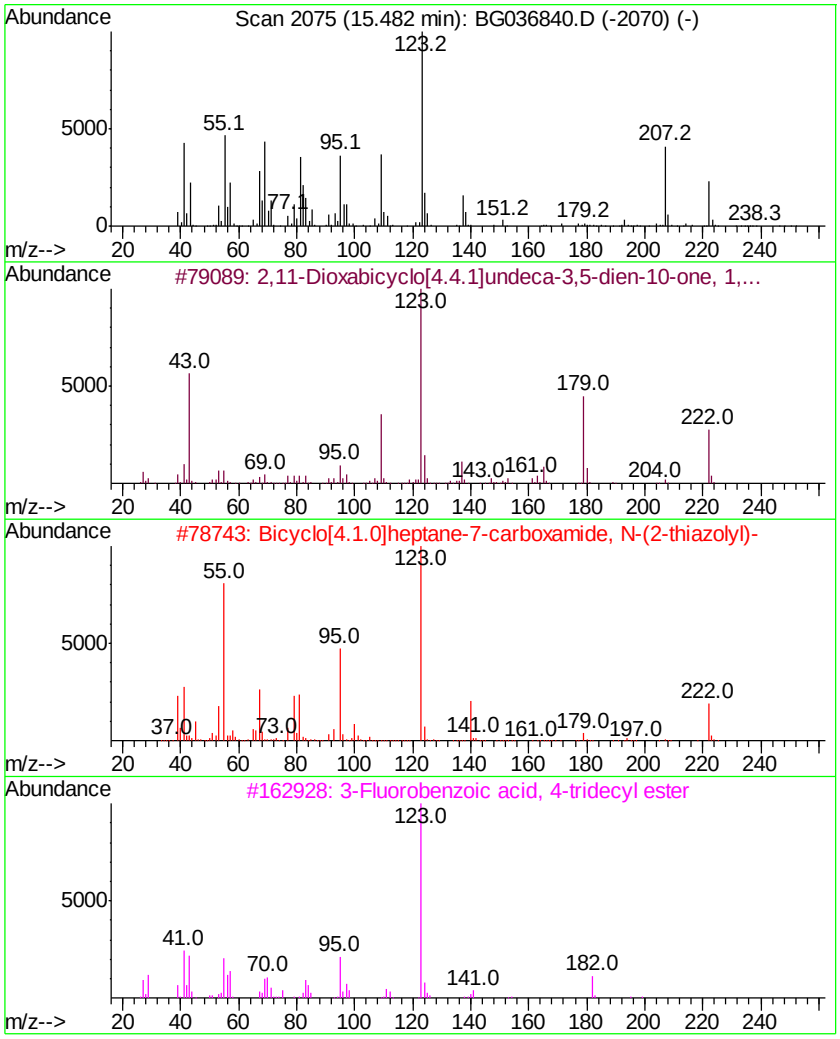
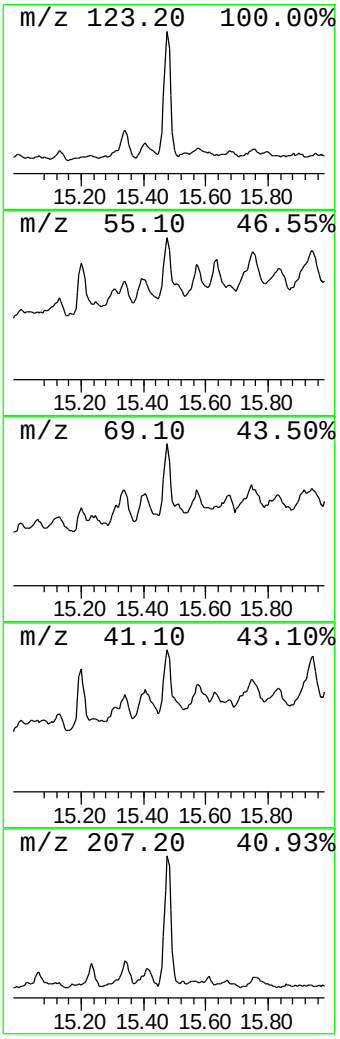
Peak Number 13 unknown15.48 Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.48	34.08 ng	2560920	Acenaphthene-d10	14.68

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2,11-Dioxabicyclo[4.4.1]undeca-3...	222	C13H18O3	070412-52-1	47
2	Bicyclo[4.1.0]heptane-7-carboxam...	222	C11H14N2OS	329912-72-3	38
3	3-Fluorobenzoic acid, 4-tridecyl...	322	C20H31FO2	1000280-60-4	32
4	1-Trimethylsilylpent-1-en-4-yne	138	C8H14Si	079516-25-9	32
5	(2,4,6-Trimethylcyclohexyl) meth...	156	C10H20O	013702-56-2	32





Library Search Compound Report

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Instrument : BNA_G
ClientSampleId : VNJ-202

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG082318.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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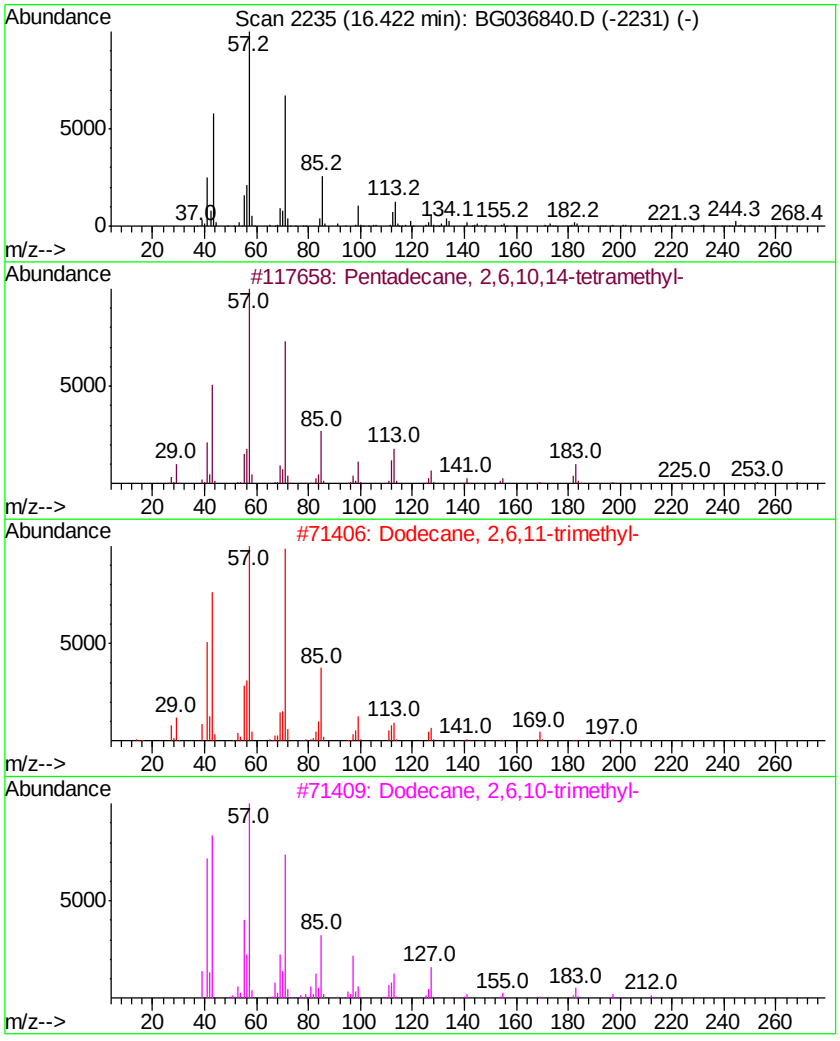
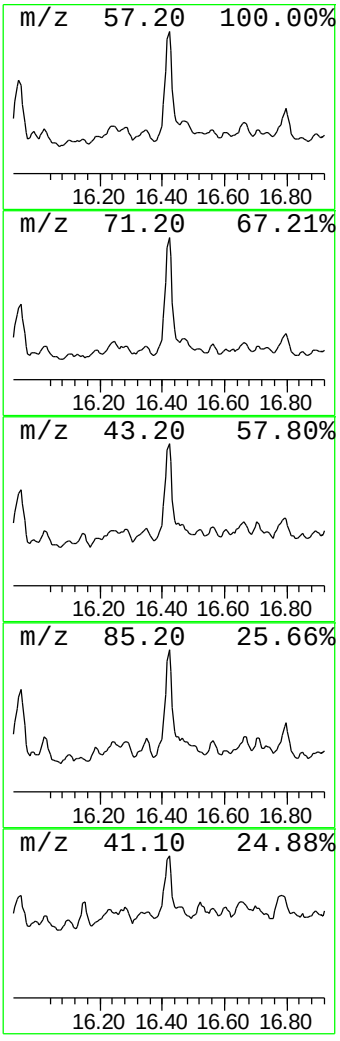
Peak Number 14 Pentadecane, 2,6,10,14-tetr... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.42	20.00 ng	4278440	Phenanthrene-d10	17.43

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentadecane, 2,6,10,14-tetramethyl-	268	C19H40	001921-70-6	90
2	Dodecane, 2,6,11-trimethyl-	212	C15H32	031295-56-4	83
3	Dodecane, 2,6,10-trimethyl-	212	C15H32	003891-98-3	80
4	Tridecane, 5-propyl-	226	C16H34	055045-11-9	80
5	Nonane, 3,7-dimethyl-	156	C11H24	017302-32-8	64





Tentatively Identified Compound (LSC) summary

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Acq On : 20 Sep 2018 8:51
Operator : JU/SJ
Sample : J4979-01
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : VNJ-202

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG082318.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
Isopropyl Alcohol	3.76	3.4	ng	73048	1	8.05	433247	20.0
2-Pentanone, 4-hy...	5.15	6.6	ng	142558	1	8.05	433247	20.0
unknown7.58	7.58	80.5	ng	1742920	1	8.05	433247	20.0
unknown12.57	12.57	3.0	ng	98433	2	10.85	646406	20.0
Methyl ethyl cycl...	13.12	2.1	ng	160031	3	14.68	1502940	20.0
Decahydro-4,4,8,9...	13.46	7.7	ng	575285	3	14.68	1502940	20.0
Silane, chlorodie...	14.21	13.8	ng	1034460	3	14.68	1502940	20.0
unknown14.32	14.32	6.0	ng	447827	3	14.68	1502940	20.0
unknown14.51	14.51	55.2	ng	4145730	3	14.68	1502940	20.0
Sulfurous acid, b...	15.20	29.9	ng	2244270	3	14.68	1502940	20.0
unknown15.48	15.48	34.1	ng	2560920	3	14.68	1502940	20.0
Pentadecane, 2,6,...	16.42	20.0	ng	4278440	4	17.43	4278440	20.0