LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG041916\
Data File : BG021750.D
Acq On : 19 Apr 2016 1:37
Operator : UM/SJ
Sample : H2537-05
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : B9(15-17)

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:\HPCHEM1\BNA_G\METHODS\8270-BG041316.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	3.093	38	43	68	rVB	1950321	3485925	100.00%	19.437%
2	3.363	84	89	99	rVB	21398	36627	1.05%	0.204%
3	5.290	409	417	423	rBV	39101	64137	1.84%	0.358%
4	5.766	490	498	508	rBV	693614	1161970	33.33%	6.479%
5	7.370	761	771	784	rBV	735050	1295561	37.17%	7.224%
6	7.746	826	835	843	rBV	711635	1254416	35.99%	6.995%
7	8.210	908	914	920	rBV	143816	245403	7.04%	1.368%
8	8.539	962	970	977	rBV	510133	906890	26.02%	5.057%
9	9.379	1103	1113	1124	rBV	430880	801015	22.98%	4.466%
10	11.030	1387	1394	1401	rVB	202820	361853	10.38%	2.018%
11	13.451	1797	1806	1813	rBV	1087246	1735484	49.79%	9.677%
12	14.262	1936	1944	1951	rBV	92820	147510	4.23%	0.823%
13	14.820	2032	2039	2048	rVB2	278026	454997	13.05%	2.537%
14	15.637	2174	2178	2183	rVB	42644	54514	1.56%	0.304%
15	16.301	2285	2291	2303	rVB	732293	1093339	31.36%	6.096%
16	16.495	2319	2324	2327	rBV	42393	67511	1.94%	0.376%
17	17.558	2498	2505	2511	rBV2	306051	491352	14.10%	2.740%
18	19.820	2886	2890	2894	rBV	123809	145503	4.17%	0.811%
19	19.938	2906	2910	2917	rVB4	48771	78835	2.26%	0.440%
20	20.143	2939	2945	2950	rVB	1547361	2117469	60.74%	11.807%
21	20.425	2990	2993	2998	rBV	39836	41820	1.20%	0.233%
22	20.854	3063	3066	3073	rBV	93311	109988	3.16%	0.613%
23	20.919	3074	3077	3081	rBV	57686	67816	1.95%	0.378%
24	21.442	3162	3166	3176	rVB2	123109	204649	5.87%	1.141%
25	21.830	3226	3232	3238	rVB	338972	581988	16.70%	3.245%
26	22.000	3257	3261	3268	rVB	90148	150463	4.32%	0.839%
27	22.629	3363	3368	3374	rBV	80365	133819	3.84%	0.746%
28	25.161	3793	3799	3810	rVB2	225363	643435	18.46%	3.588%

Sum of corrected areas: 17934289

LSC Report - Integrated Chromatogram

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Data File : BG021750.D
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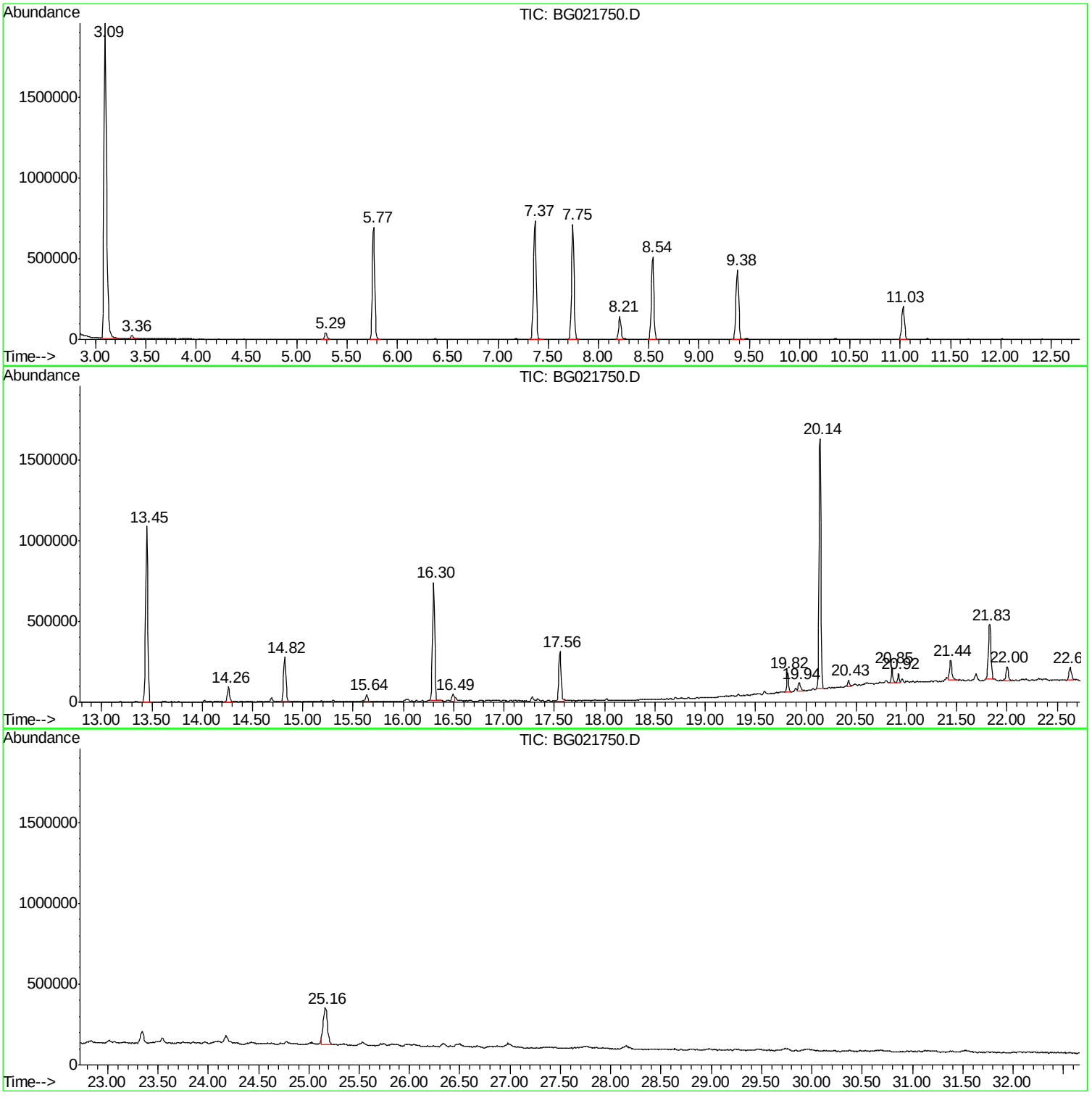
Operator : UM/SJ
Sample : H2537-05
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : B9(15-17)

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG041316.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P



Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG041916\
Data File : BG021750.D
Acq On : 19 Apr 2016 1:37
Operator : UM/SJ
Sample : H2537-05
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : B9(15-17)

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG041316.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

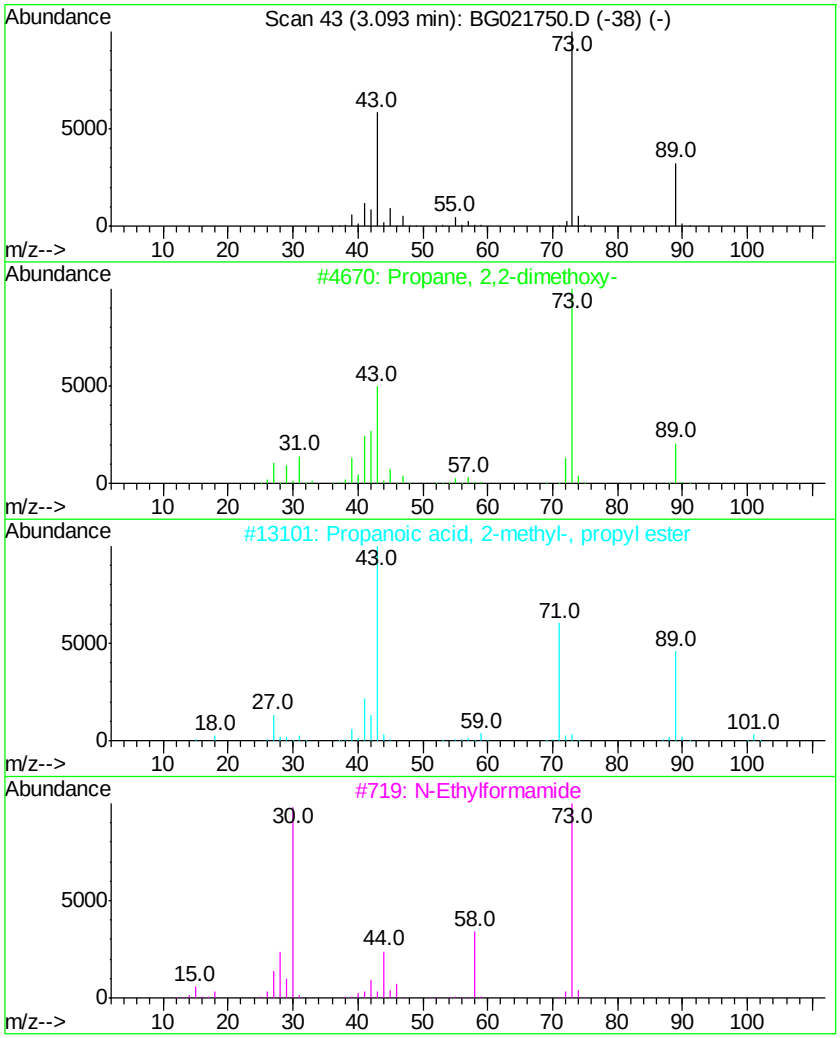
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

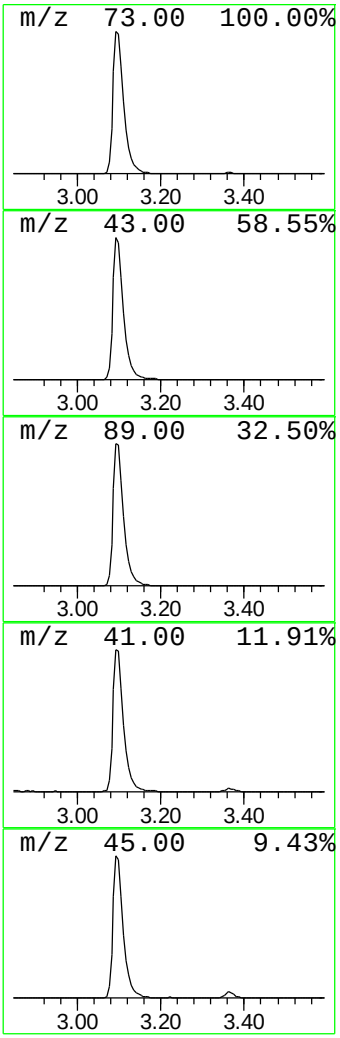
****

Peak Number 1 unknown3.09 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.09	284.10 ng	3485930	1,4-Dichlorobenzene-d4	8.21

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Propane, 2,2-dimethoxy-	104	C5H12O2	000077-76-9	38
2	Propanoic acid, 2-methyl-, propy...	130	C7H14O2	000644-49-5	23
3	N-Ethylformamide	73	C3H7NO	000627-45-2	9
4	1-Propanol, 2-methyl-	74	C4H10O	000078-83-1	9
5	Propane, 2-methoxy-2-methyl-	88	C5H12O	001634-04-4	9





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Data File : BG021750.D
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Operator : UM/SJ
Sample : H2537-05
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : B9(15-17)

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG041316.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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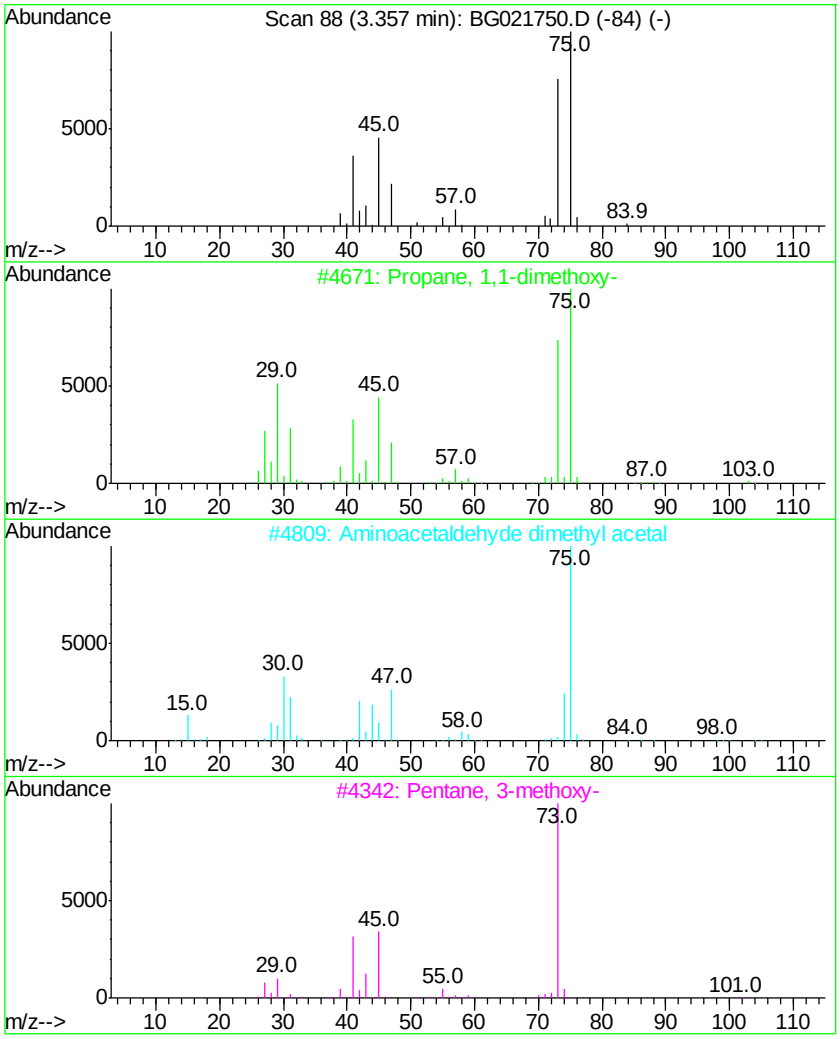
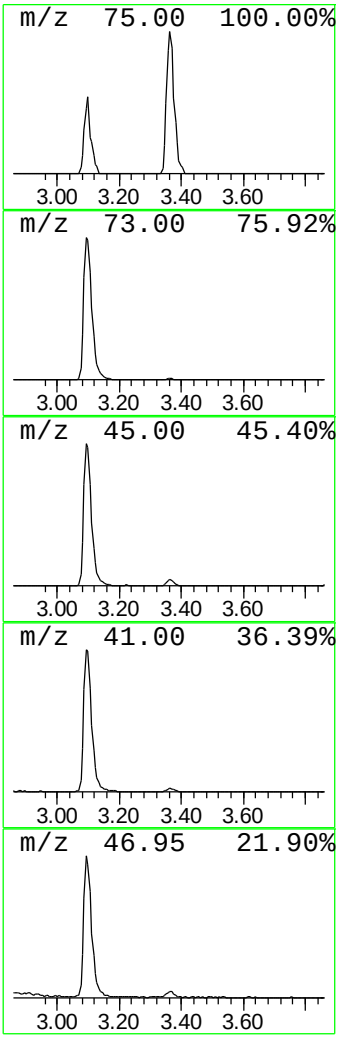
Peak Number 2 Propane, 1,1-dimethoxy- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.36	2.99 ng	36627	1,4-Dichlorobenzene-d4	8.21

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Propane, 1,1-dimethoxy-	104	C5H12O2	004744-10-9	83
2	Aminoacetaldehyde dimethyl acetal	105	C4H11NO2	022483-09-6	9
3	Pentane, 3-methoxy-	102	C6H14O	036839-67-5	9
4	Glycine	75	C2H5NO2	000056-40-6	7
5	N-Ethylformamide	73	C3H7NO	000627-45-2	4





Data Path : Z:\HPCHEM1\BNA G\DATA\BG041916\
Data File : BG021750.D
Acq On : 19 Apr 2016 1:37
Operator : UM/SJ
Sample : H2537-05
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : B9(15-17)

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG041316.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

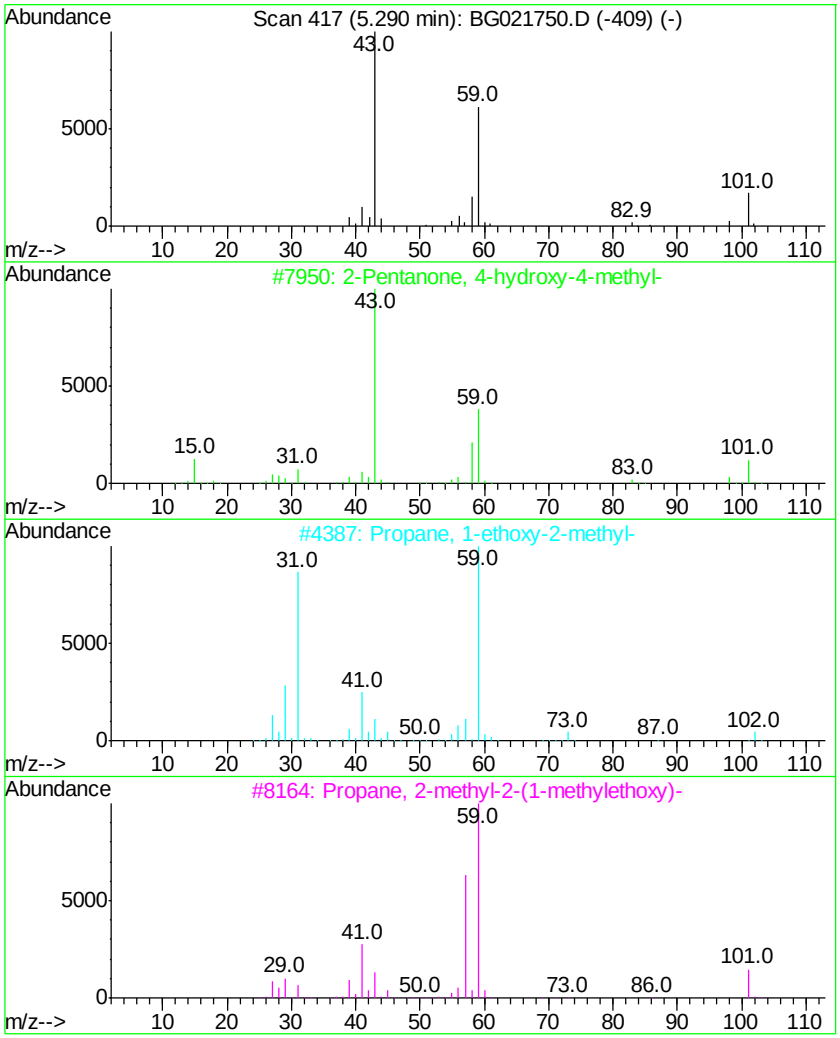
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

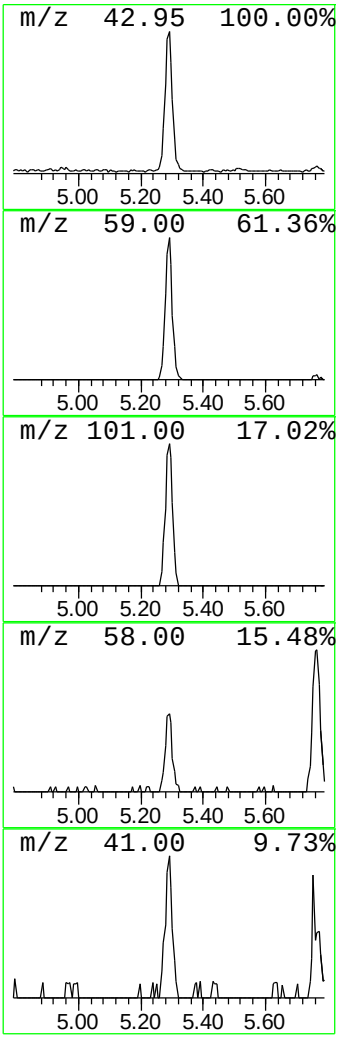
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.29	5.23 ng	64137	1,4-Dichlorobenzene-d4	8.21

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	53
2	Propane, 1-ethoxy-2-methyl-	102	C6H14O	000627-02-1	38
3	Propane, 2-methyl-2-(1-methyleth...	116	C7H16O	017348-59-3	33
4	3-Hexanol, 4-methyl-	116	C7H16O	000615-29-2	28
5	3-Heptanol	116	C7H16O	000589-82-2	28





Data Path : Z:\HPCHEM1\BNA G\DATA\BG041916\
Data File : BG021750.D
Acq On : 19 Apr 2016 1:37
Operator : UM/SJ
Sample : H2537-05
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : B9(15-17)

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG041316.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

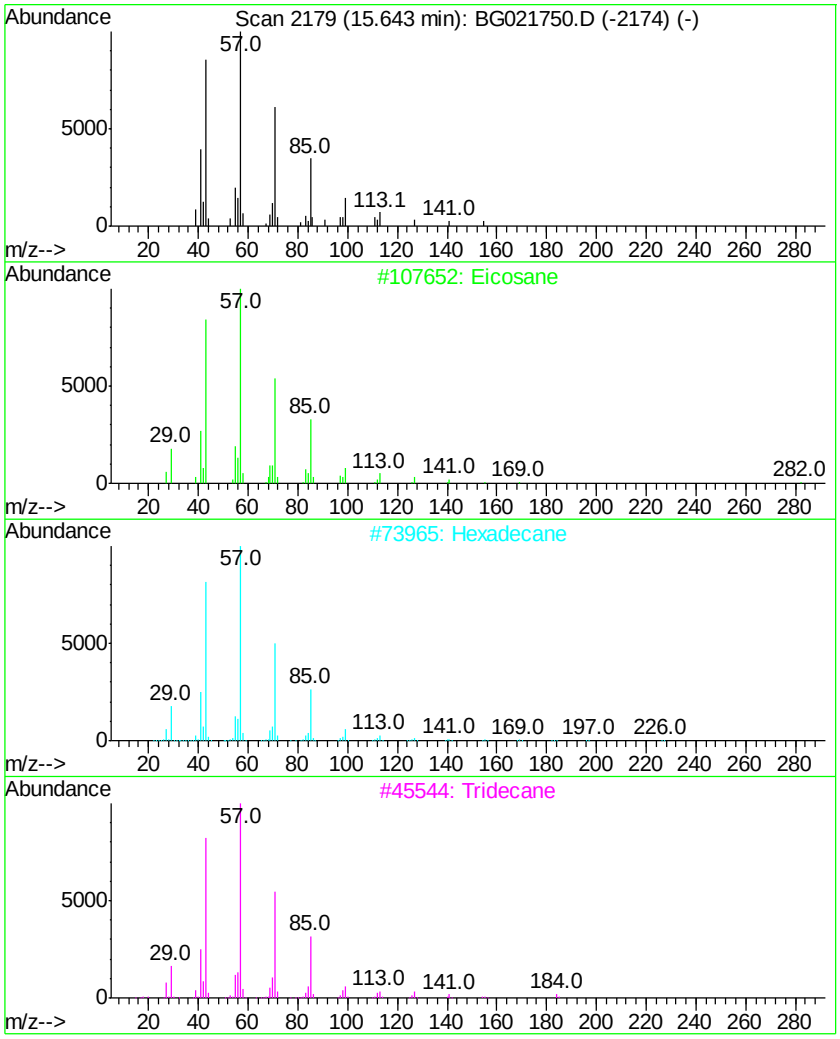
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

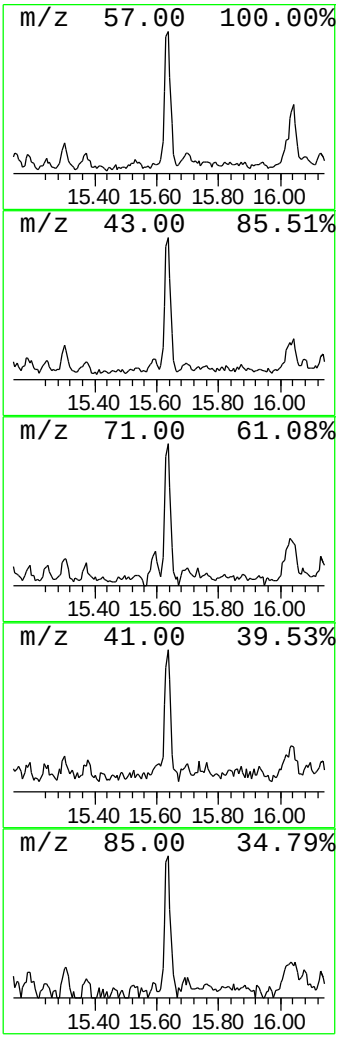
****

Peak Number 6 Eicosane Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.64	2.40 ng	54514	Acenaphthene-d10	14.82

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Eicosane	282	C20H42	000112-95-8	90
2	Hexadecane	226	C16H34	000544-76-3	86
3	Tridecane	184	C13H28	000629-50-5	78
4	Tetradecane	198	C14H30	000629-59-4	78
5	Octadecane	254	C18H38	000593-45-3	64





Data Path : Z:\HPCHEM1\BNA G\DATA\BG041916\
Data File : BG021750.D
Acq On : 19 Apr 2016 1:37
Operator : UM/SJ
Sample : H2537-05
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : B9(15-17)

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG041316.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

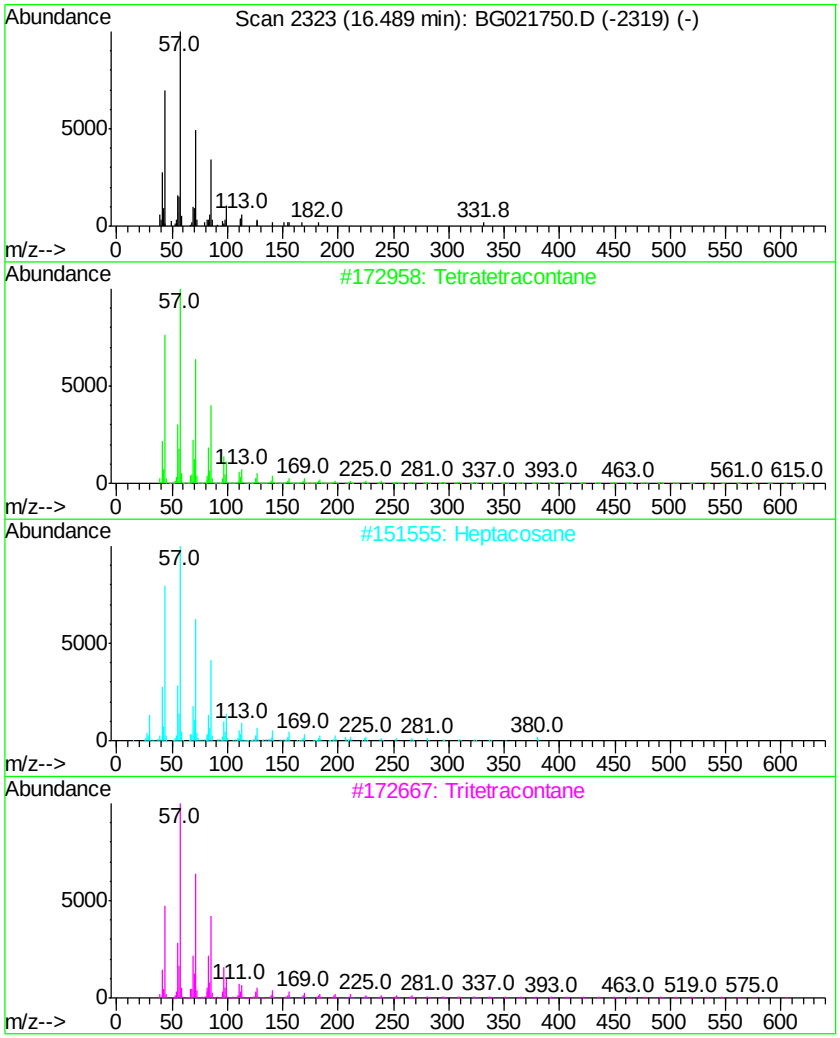
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

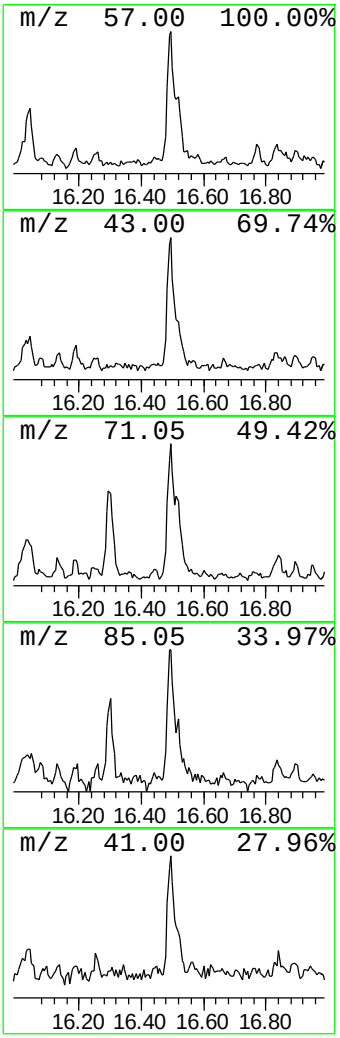
****

Peak Number 7 Tetratetracontane Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.49	2.75 ng	67511	Phenanthrene-d10	17.56

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tetratetracontane	619	C44H90	007098-22-8	91
2	Heptacosane	380	C27H56	000593-49-7	91
3	Tritetracontane	605	C43H88	007098-21-7	90
4	Tetracosane	338	C24H50	000646-31-1	87
5	Eicosane	282	C20H42	000112-95-8	87





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Operator : UM/SJ
Sample : H2537-05
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : B9(15-17)

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG041316.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

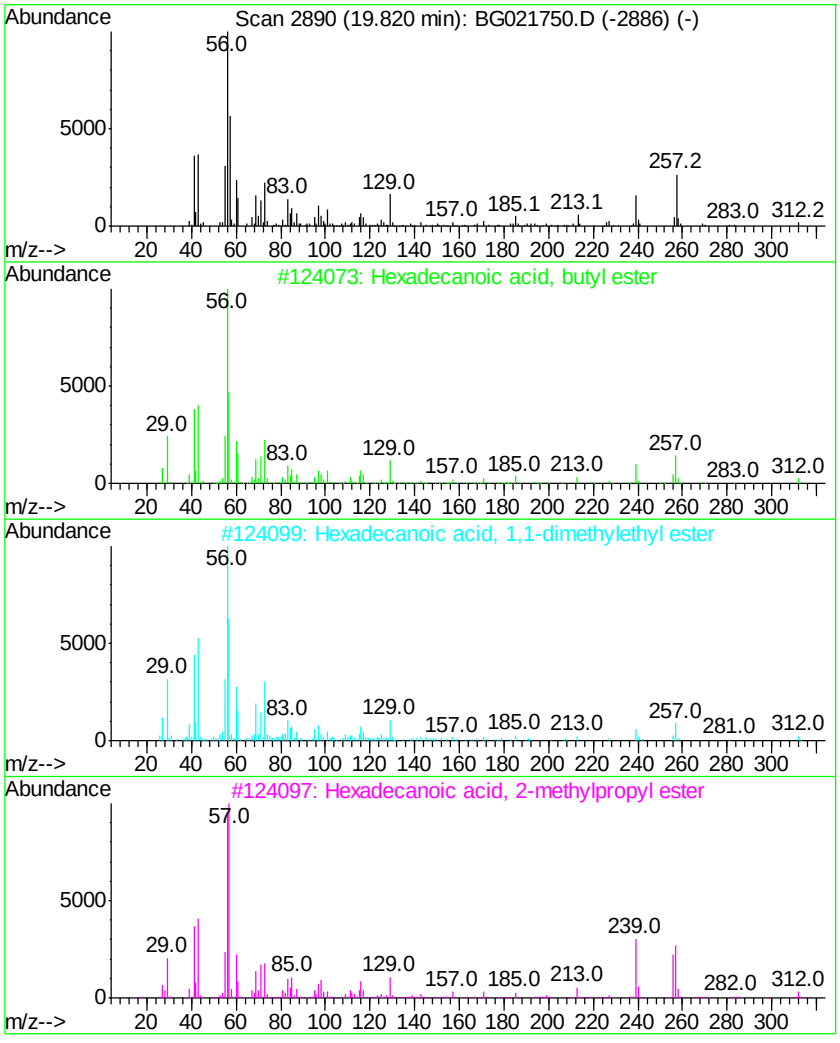
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

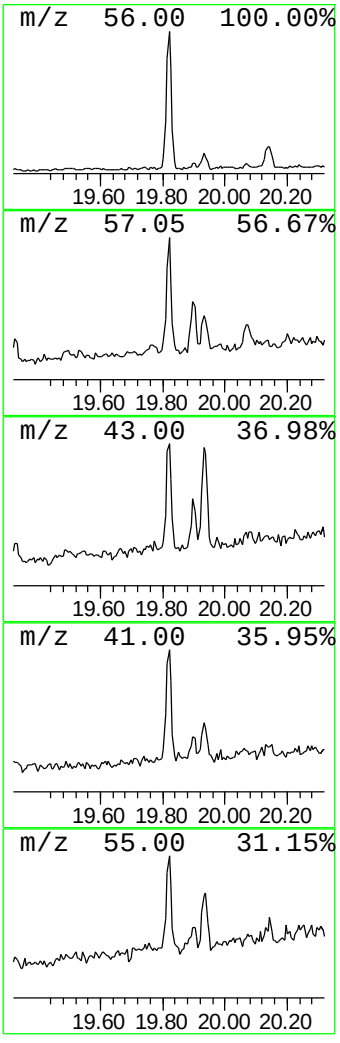
****

Peak Number 8 Hexadecanoic acid, butyl ester Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.82	5.00 ng	145503	Chrysene-d12	21.83

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexadecanoic acid, butyl ester	312	C20H40O2	000111-06-8	98
2	Hexadecanoic acid, 1,1-dimethyle...	312	C20H40O2	031158-91-5	98
3	Hexadecanoic acid, 2-methylpropy...	312	C20H40O2	000110-34-9	50
4	Cyclopropane, 1-(1-methylethyl)-...	210	C15H30	041977-39-3	35
5	Cyclobutane, 1-hexyl-2,3-dimethyl-	168	C12H24	055170-84-8	35





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Data File : BG021750.D
Acq On : 19 Apr 2016 1:37
Operator : UM/SJ
Sample : H2537-05
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : B9(15-17)

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG041316.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

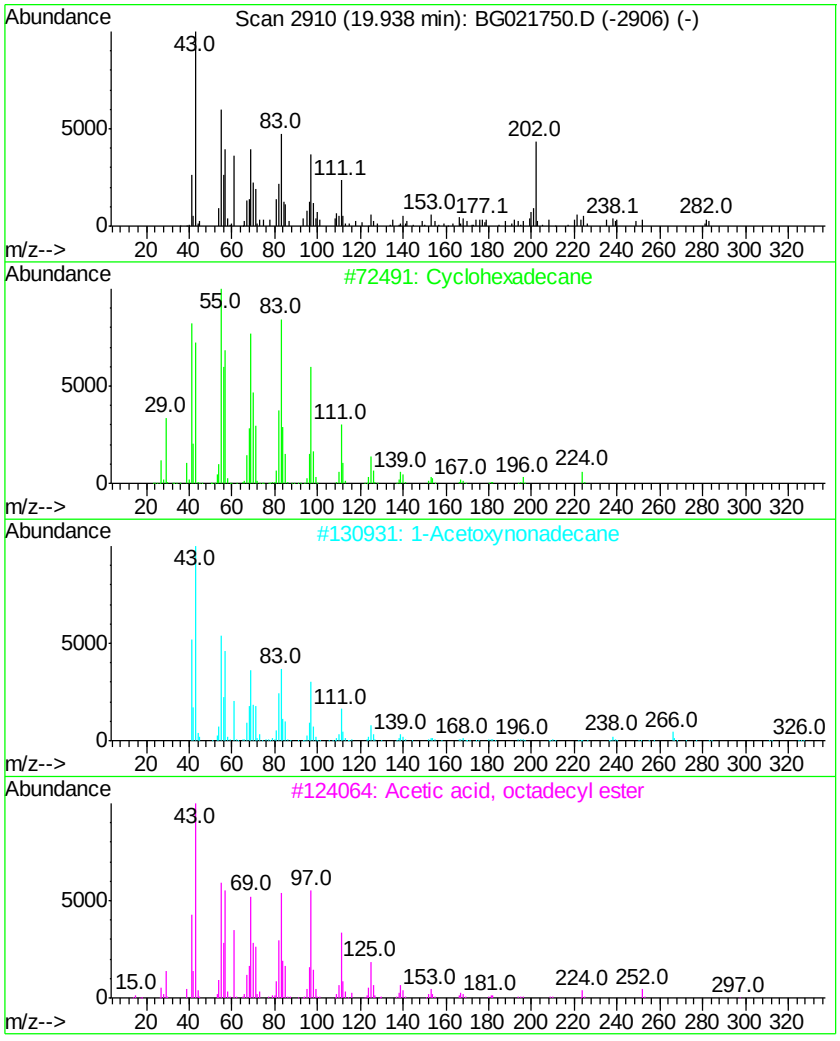
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

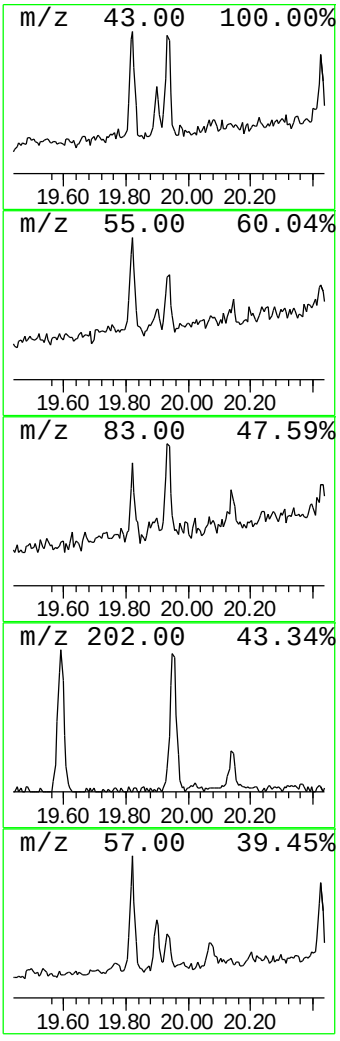
****

Peak Number 9 Cyclohexadecane Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.94	2.71 ng	78835	Chrysene-d12	21.83

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexadecane	224	C16H32	000295-65-8	86
2	1-Acetoxynonadecane	326	C21H42O2	001577-43-1	58
3	Acetic acid, octadecyl ester	312	C20H40O2	000822-23-1	58
4	5-Octadecene, (E)-	252	C18H36	007206-21-5	47
5	Trifluoroacetic acid, n-octadecy...	366	C20H37F3O2	079392-43-1	45





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Instrument : BNA_G
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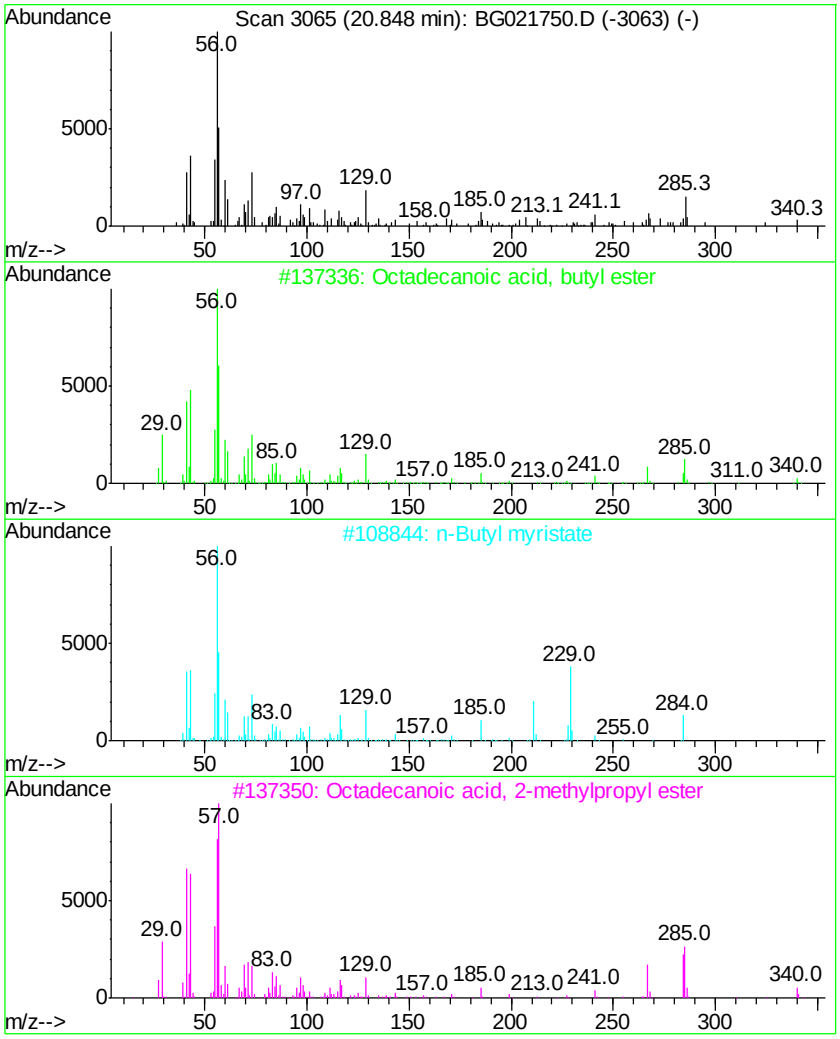
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

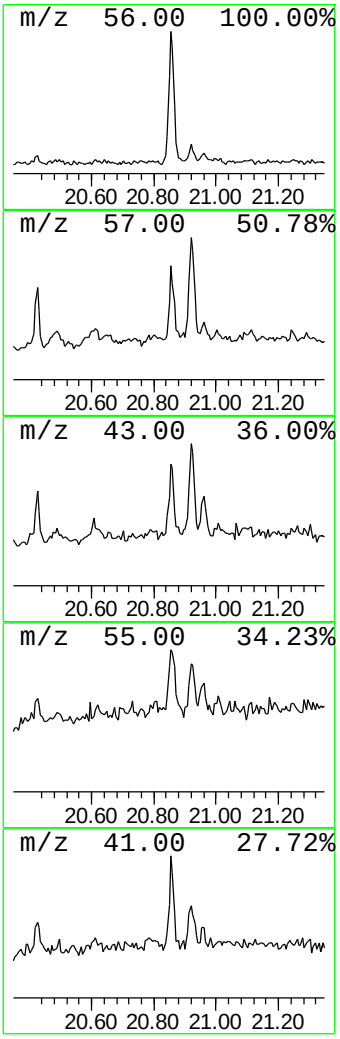
****

Peak Number 10 Octadecanoic acid, butyl ester Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.85	3.78 ng	109988	Chrysene-d12	21.83

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octadecanoic acid, butyl ester	340	C22H44O2	000123-95-5	94
2	n-Butyl myristate	284	C18H36O2	000110-36-1	53
3	Octadecanoic acid, 2-methylpropy...	340	C22H44O2	000646-13-9	43
4	1,3-Hexanediol, 2-ethyl-	146	C8H18O2	000094-96-2	32
5	Heptane, 4-ethyl-2,2,6,6-tetrame...	184	C13H28	062108-31-0	27





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Operator : UM/SJ
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Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : B9(15-17)

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG041316.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

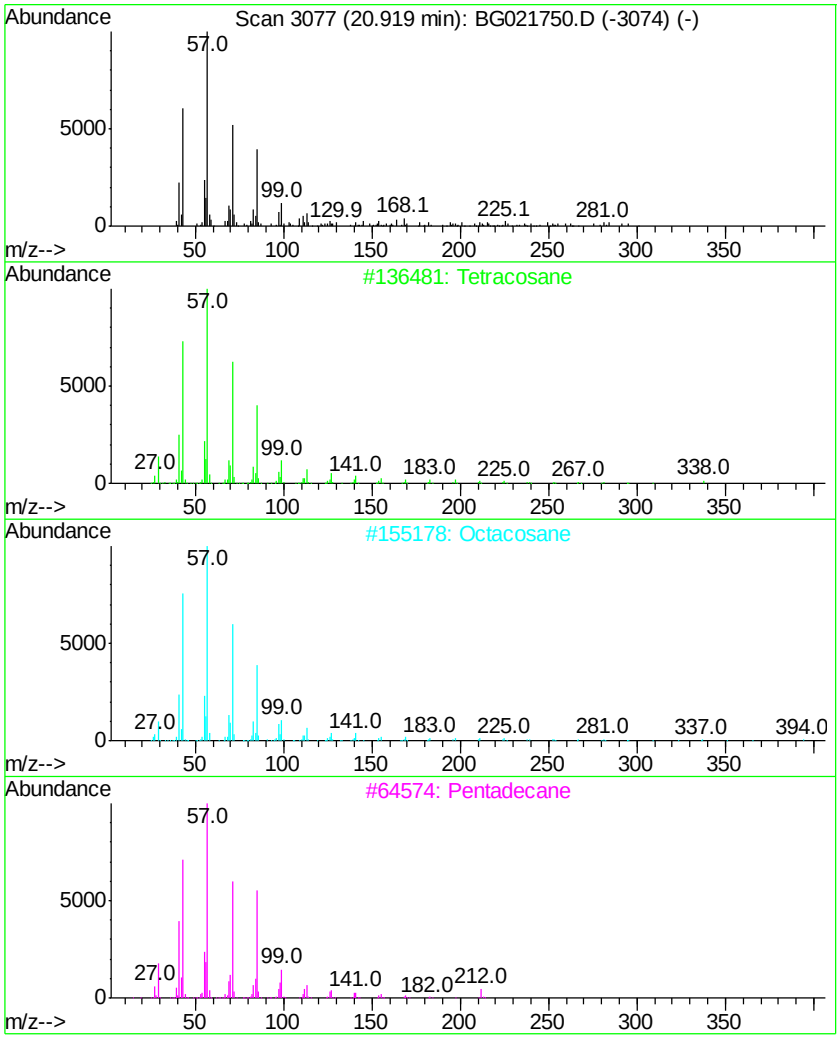
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

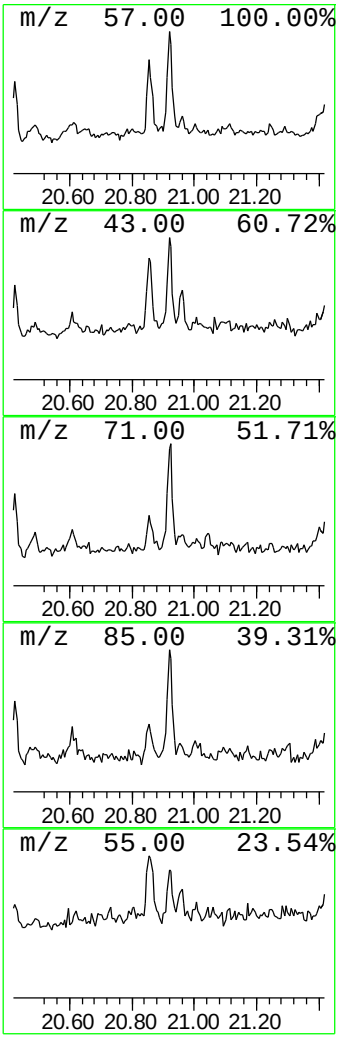
****

Peak Number 11 Tetracosane Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.92	2.33 ng	67816	Chrysene-d12	21.83

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tetracosane	338	C24H50	000646-31-1	83
2	Octacosane	394	C28H58	000630-02-4	83
3	Pentadecane	212	C15H32	000629-62-9	83
4	Heptadecane	240	C17H36	000629-78-7	83
5	Heptadecane, 2-methyl-	254	C18H38	001560-89-0	80





Data Path : Z:\HPCHEM1\BNA G\DATA\BG041916\
Data File : BG021750.D
Acq On : 19 Apr 2016 1:37
Operator : UM/SJ
Sample : H2537-05
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : B9(15-17)

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG041316.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

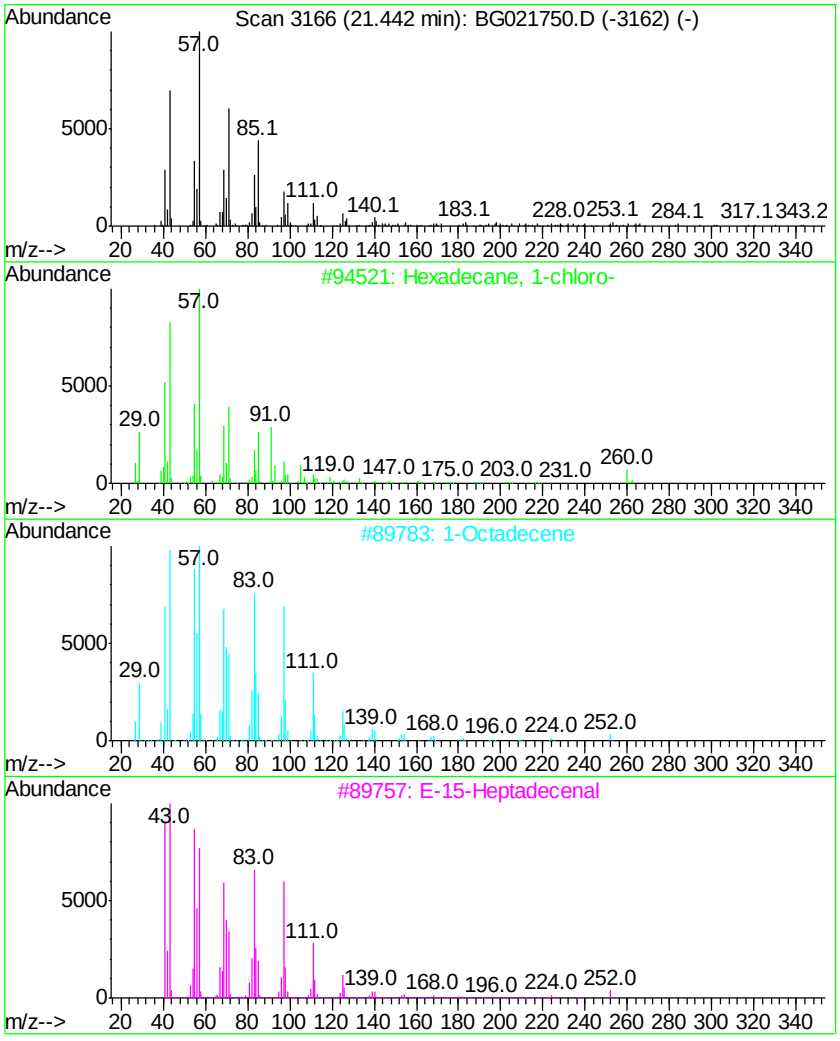
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

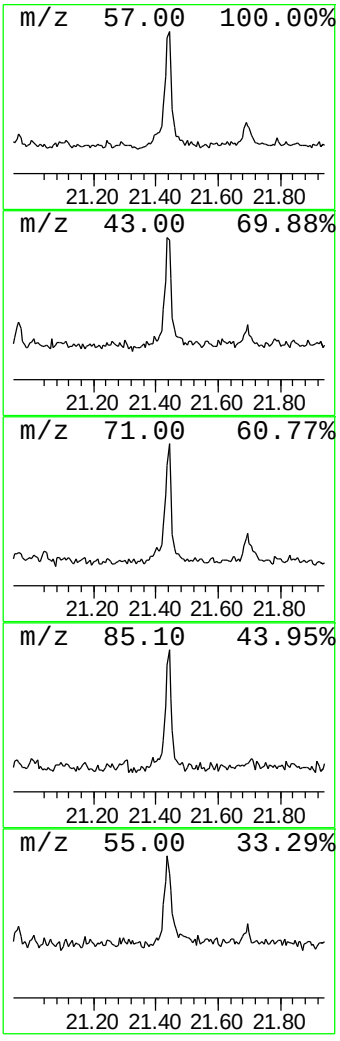
****

Peak Number 12 Hexadecane, 1-chloro- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.44	7.03 ng	204649	Chrysene-d12	21.83

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexadecane, 1-chloro-	260	C16H33Cl	004860-03-1	95
2	1-Octadecene	252	C18H36	000112-88-9	95
3	E-15-Heptadecenal	252	C17H32O	1000130-97-9	95
4	Pentadecane	212	C15H32	000629-62-9	95
5	Nonadecane	268	C19H40	000629-92-5	94





Data Path : Z:\HPCHEM1\BNA G\DATA\BG041916\
Data File : BG021750.D
Acq On : 19 Apr 2016 1:37
Operator : UM/SJ
Sample : H2537-05
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : B9(15-17)

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG041316.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

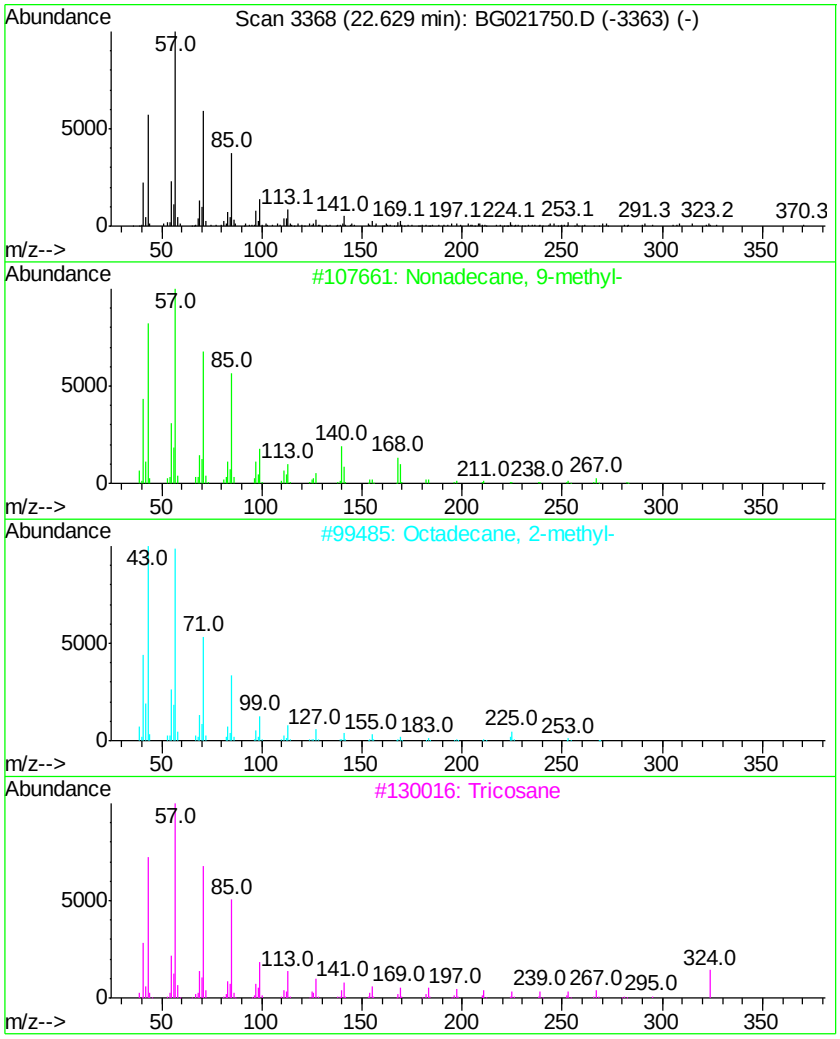
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

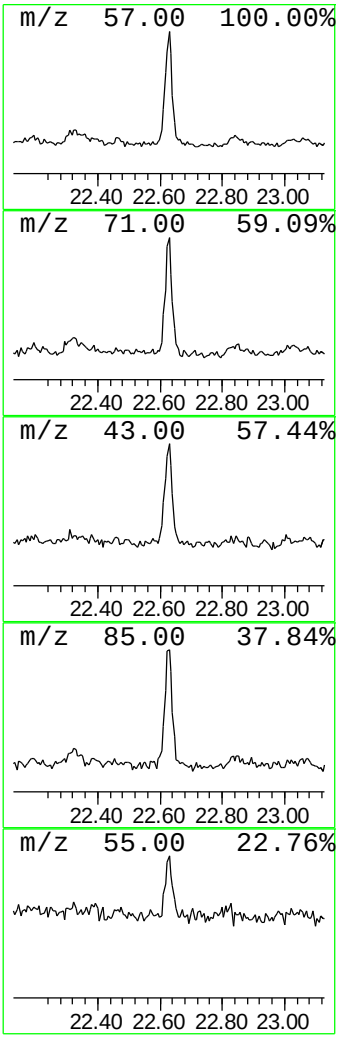
****

Peak Number 14 Nonadecane, 9-methyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.63	4.60 ng	133819	Chrysene-d12	21.83

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Nonadecane, 9-methyl-	282	C20H42	013287-24-6	91
2	Octadecane, 2-methyl-	268	C19H40	001560-88-9	91
3	Tricosane	324	C23H48	000638-67-5	87
4	Decane, 3,8-dimethyl-	170	C12H26	017312-55-9	87
5	2-Bromo dodecane	248	C12H25Br	013187-99-0	87





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG041916\
Data File : BG021750.D
Acq On : 19 Apr 2016 1:37
Operator : UM/SJ
Sample : H2537-05
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : B9(15-17)

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG041316.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
unknown3.09	3.09	284.1	ng	3485930	1	8.21	245403	20.0
Propane, 1,1-dime...	3.36	3.0	ng	36627	1	8.21	245403	20.0
2-Pentanone, 4-hy...	5.29	5.2	ng	64137	1	8.21	245403	20.0
Eicosane	15.64	2.4	ng	54514	3	14.82	454997	20.0
Tetratetracontane	16.49	2.8	ng	67511	4	17.56	491352	20.0
Hexadecanoic acid...	19.82	5.0	ng	145503	5	21.83	581988	20.0
Cyclohexadecane	19.94	2.7	ng	78835	5	21.83	581988	20.0
Octadecanoic acid...	20.85	3.8	ng	109988	5	21.83	581988	20.0
Tetracosane	20.92	2.3	ng	67816	5	21.83	581988	20.0
Hexadecane, 1-chl...	21.44	7.0	ng	204649	5	21.83	581988	20.0
Nonadecane, 9-met...	22.63	4.6	ng	133819	5	21.83	581988	20.0