LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG071616\
Data File : BG023144.D
Acq On : 16 Jul 2016 12:59
Operator : UM/SJ
Sample : H4018-12
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : F9-B4(0-12)C

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-BG070816.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	2.896	4	10	29	rVB	1282836	3144801	41.49%	6.583%
2	3.037	29	34	48	rVB	2198536	3127470	41.26%	6.546%
3	3.184	53	59	76	rBV	1088640	2200455	29.03%	4.606%
4	5.217	399	405	413	rBV	268370	407203	5.37%	0.852%
5	5.693	479	486	495	rBV	1673581	2714942	35.82%	5.683%
6	7.303	751	760	774	rBV	1959602	3429358	45.24%	7.178%
7	7.679	816	824	833	rBV	1771847	3116942	41.12%	6.524%
8	8.149	898	904	911	rVB	186811	315071	4.16%	0.659%
9	8.472	951	959	966	rBV	1246228	2224065	29.34%	4.655%
10	9.318	1096	1103	1113	rBV	1201275	2195391	28.96%	4.595%
11	10.975	1379	1385	1392	rBV	272906	507673	6.70%	1.063%
12	13.414	1790	1800	1811	rBV	3223840	5179604	68.33%	10.842%
13	14.236	1934	1940	1947	rBV	709181	1061756	14.01%	2.222%
14	14.800	2027	2036	2043	rBV2	459108	789374	10.41%	1.652%
15	16.287	2282	2289	2304	rBV	2894209	4560402	60.17%	9.546%
16	16.481	2318	2322	2326	rBV	67881	101108	1.33%	0.212%
17	17.274	2453	2457	2461	rBV2	66378	79483	1.05%	0.166%
18	17.550	2498	2504	2509	rBV2	653101	1001850	13.22%	2.097%
19	17.591	2509	2511	2517	rVB2	91706	132222	1.74%	0.277%
20	18.414	2648	2651	2658	rBV5	82145	119054	1.57%	0.249%
21	19.595	2847	2852	2859	rBV	254330	384713	5.08%	0.805%
22	19.959	2910	2914	2921	rVB	236027	353306	4.66%	0.740%
23	20.153	2941	2947	2956	rBV	5616865	7579760	100.00%	15.866%
24	21.463	3166	3170	3177	rBV8	138699	280914	3.71%	0.588%
25	21.710	3209	3212	3216	rVB2	83306	103882	1.37%	0.217%
26	21.851	3229	3236	3241	rBV2	718401	1442391	19.03%	3.019%
27	23.749	3556	3559	3567	rVB9	122442	224023	2.96%	0.469%
28	25.223	3802	3810	3819	rVB3	366199	997790	13.16%	2.089%

Sum of corrected areas: 47775003

LSC Report - Integrated Chromatogram

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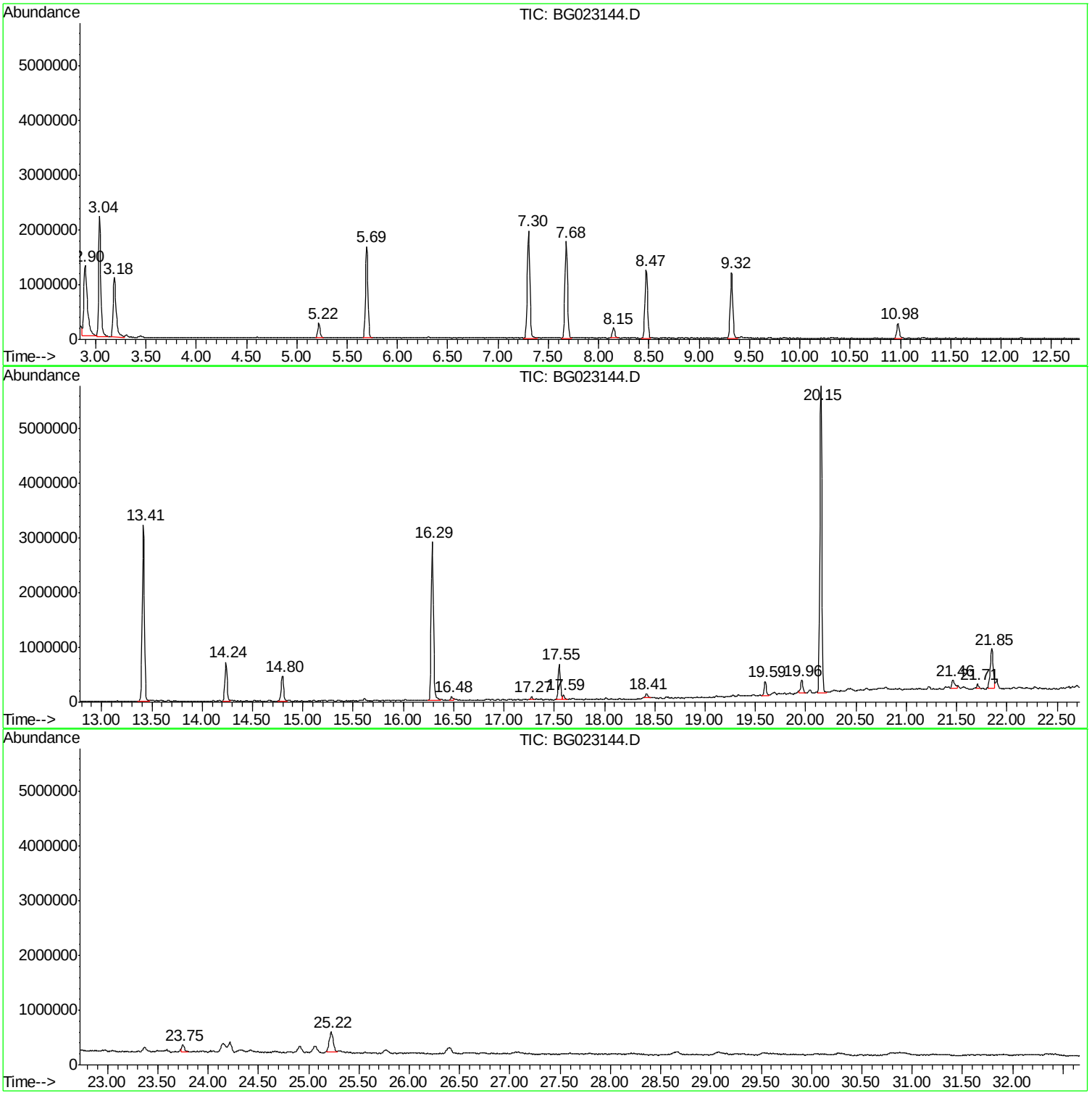
Data File : BG023144.D
Acq On : 16 Jul 2016 12:59
Operator : UM/SJ
Sample : H4018-12
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : F9-B4(0-12)C

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG070816.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



Data Path : Z:\HPCHEM1\BNA_G\DATA\BG071616\
Data File : BG023144.D
Acq On : 16 Jul 2016 12:59
Operator : UM/SJ
Sample : H4018-12
Misc :
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Instrument : BNA_G
ClientSampleId : F9-B4(0-12)C

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG070816.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

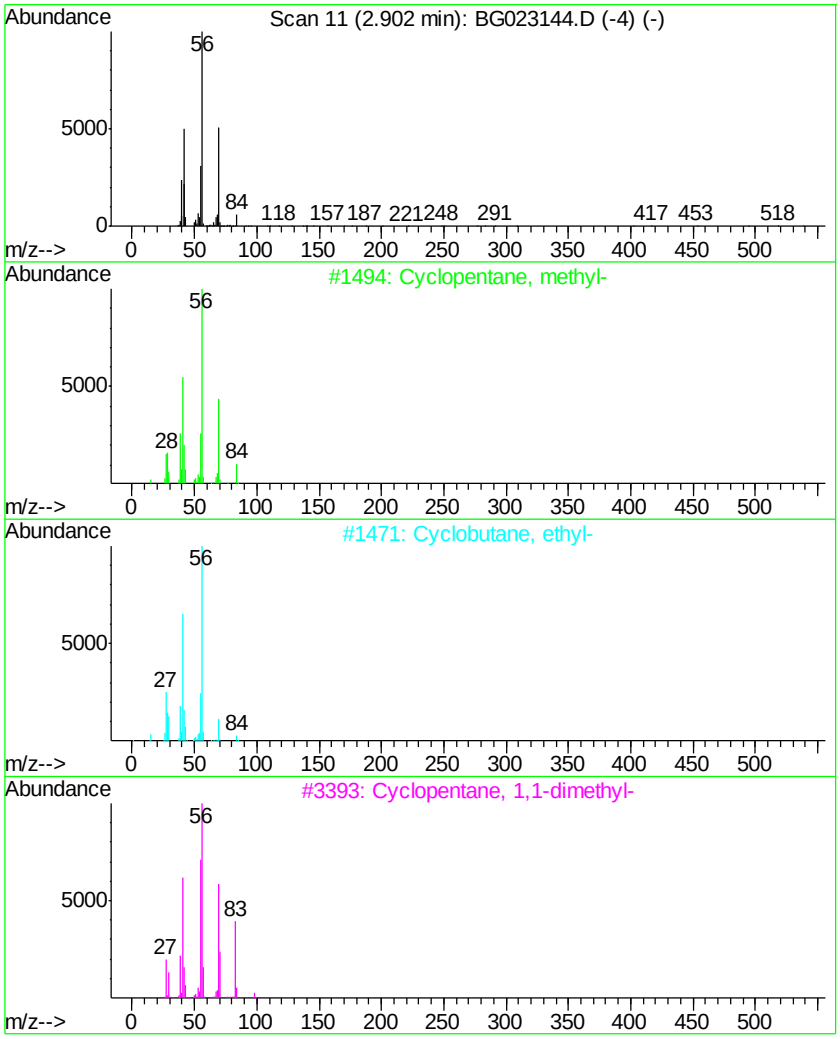
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

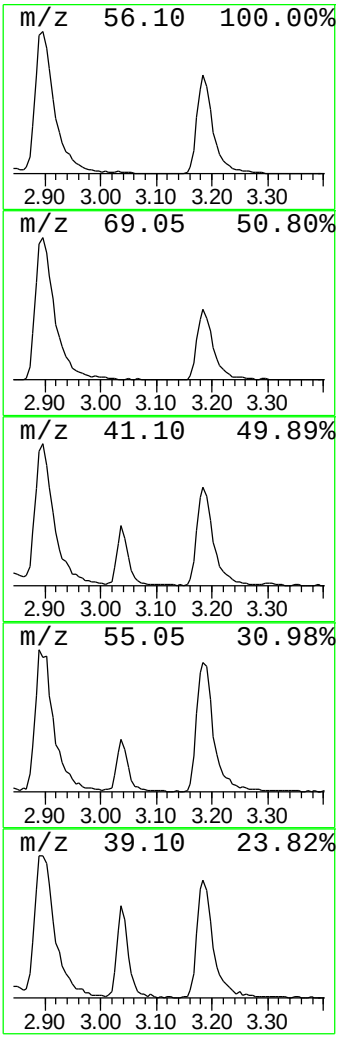
****

Peak Number 1 Cyclopentane, methyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.90	199.63 ng	3144800	1,4-Dichlorobenzene-d4	8.14

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentane, methyl-	84	C6H12	000096-37-7	74
2	Cyclobutane, ethyl-	84	C6H12	004806-61-5	64
3	Cyclopentane, 1,1-dimethyl-	98	C7H14	001638-26-2	64
4	Cyclobutane	56	C4H8	000287-23-0	50
5	1-Pentene, 2-methyl-	84	C6H12	000763-29-1	40





Data Path : Z:\HPCHEM1\BNA_G\DATA\BG071616\
Data File : BG023144.D
Acq On : 16 Jul 2016 12:59
Operator : UM/SJ
Sample : H4018-12
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : F9-B4(0-12)C

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG070816.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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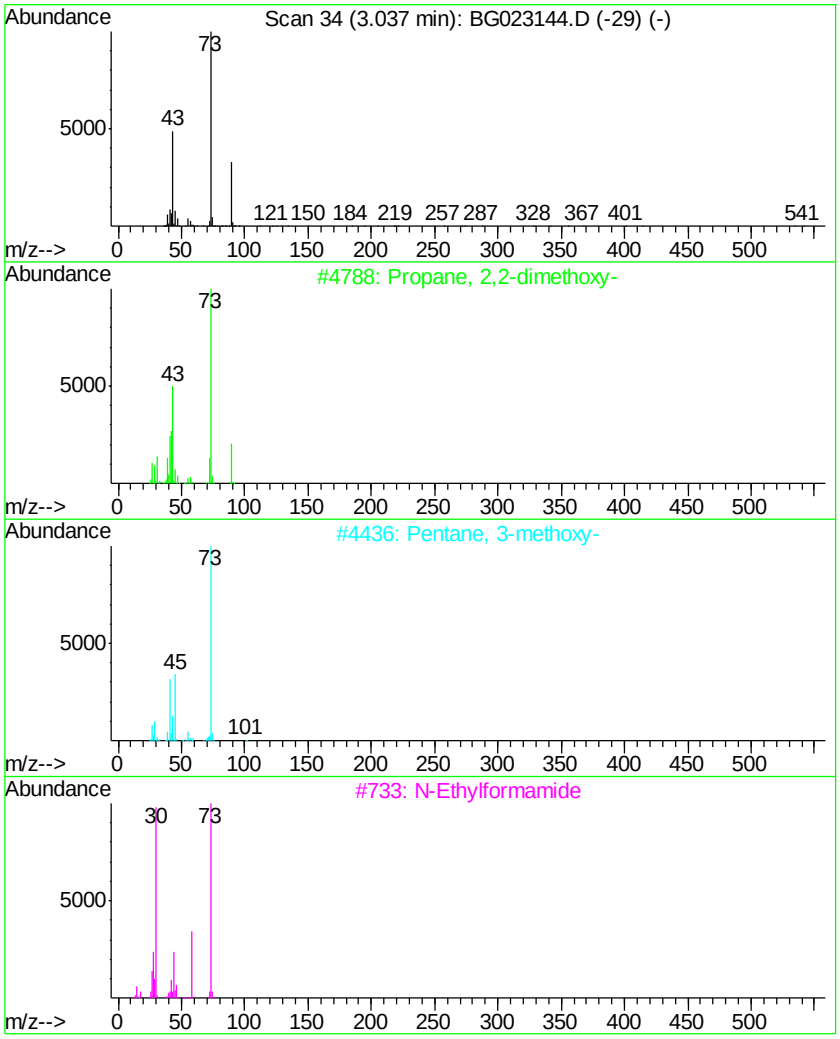
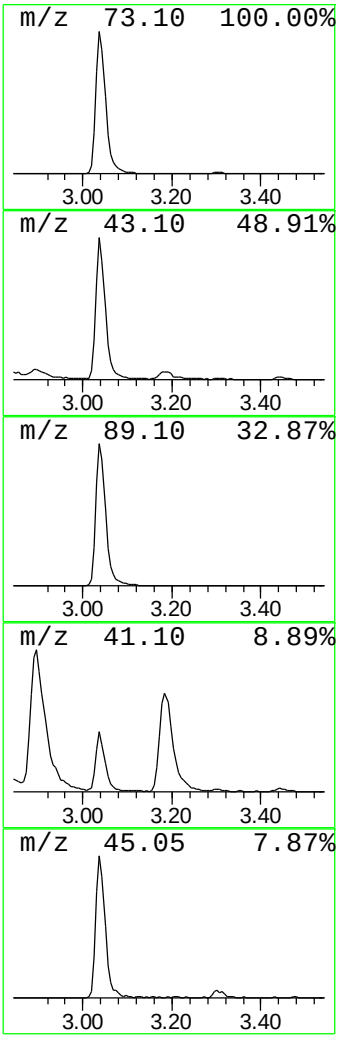
Peak Number 2 unknown3.04 Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.04	198.53 ng	3127470	1,4-Dichlorobenzene-d4	8.14

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Propane, 2,2-dimethoxy-	104	C5H12O2	000077-76-9	45
2	Pentane, 3-methoxy-	102	C6H14O	036839-67-5	12
3	N-Ethylformamide	73	C3H7NO	000627-45-2	9
4	1,3-Dioxolane, 2-(3-bromo-5,5,5-...	352	C10H16BrCl3O2	1000115-31-4	9
5	2-Hydroxy-2-methylbutyric acid	118	C5H10O3	003739-30-8	9





Data Path : Z:\HPCHEM1\BNA_G\DATA\BG071616\
Data File : BG023144.D
Acq On : 16 Jul 2016 12:59
Operator : UM/SJ
Sample : H4018-12
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : F9-B4(0-12)C

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG070816.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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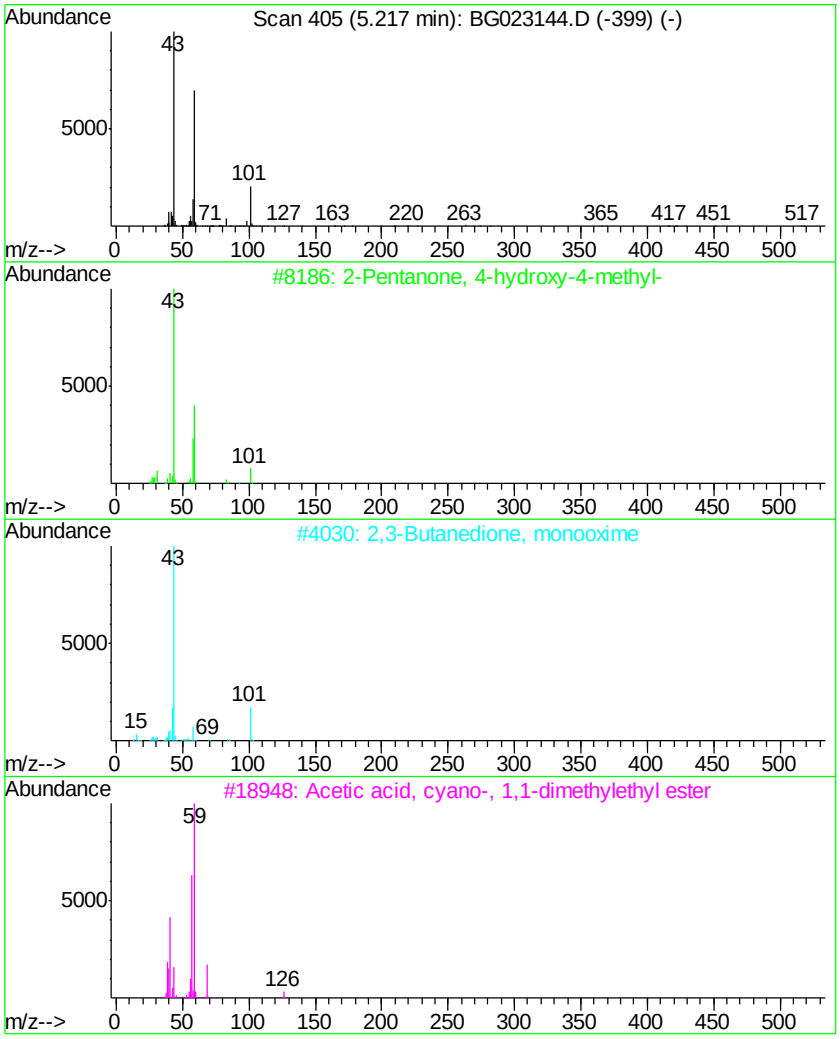
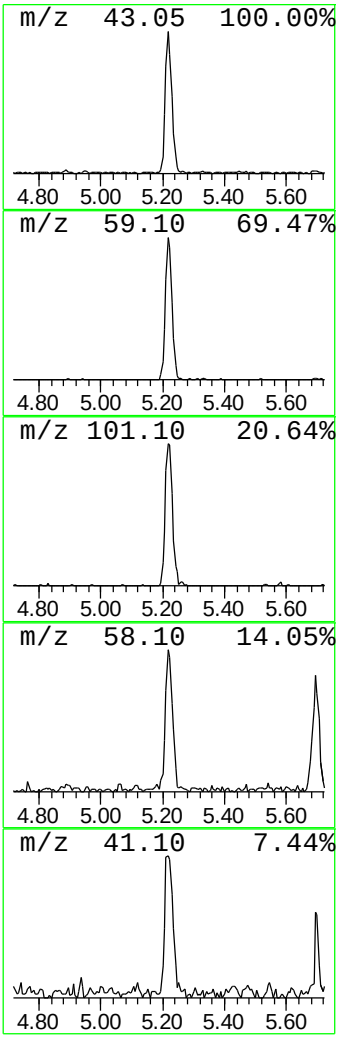
Peak Number 4 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.22	25.85 ng	407203	1,4-Dichlorobenzene-d4	8.14

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	59
2	2,3-Butanedione, monooxime	101	C4H7NO2	000057-71-6	38
3	Acetic acid, cyano-, 1,1-dimethy...	141	C7H11NO2	001116-98-9	12
4	Butane	58	C4H10	000106-97-8	9
5	Morpholine, 4-methyl-	101	C5H11NO	000109-02-4	9





Data Path : Z:\HPCHEM1\BNA_G\DATA\BG071616\
Data File : BG023144.D
Acq On : 16 Jul 2016 12:59
Operator : UM/SJ
Sample : H4018-12
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : F9-B4(0-12)C

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG070816.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

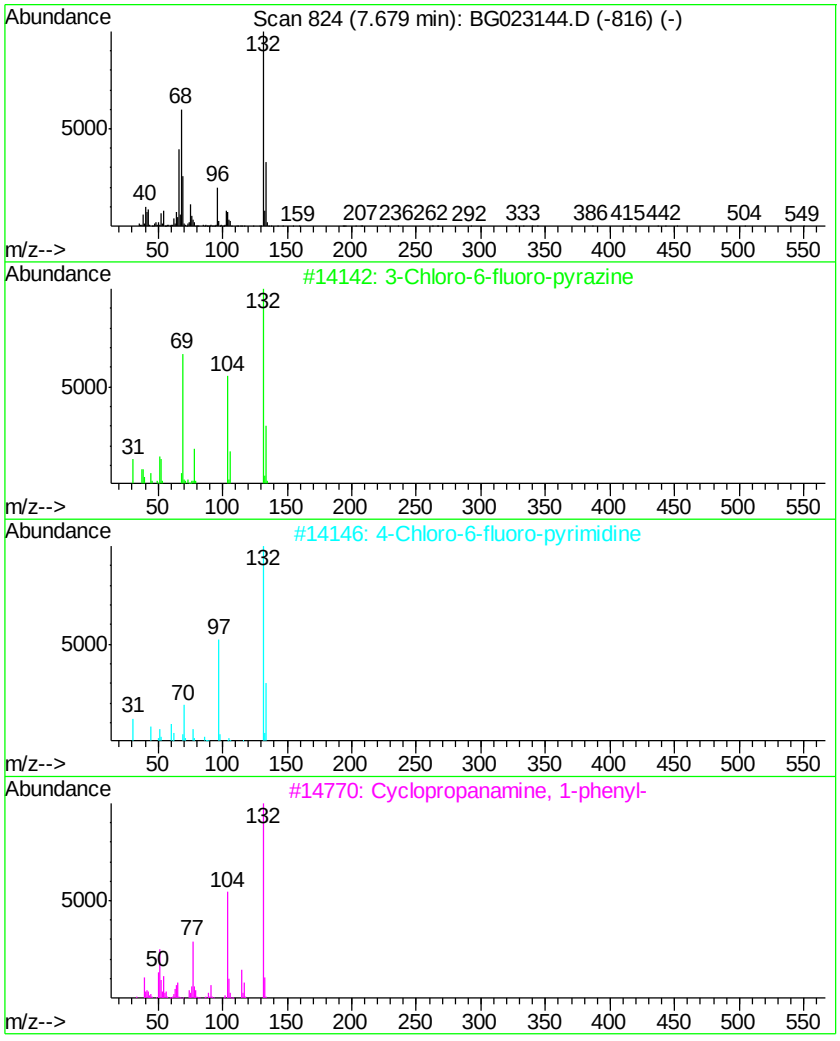
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

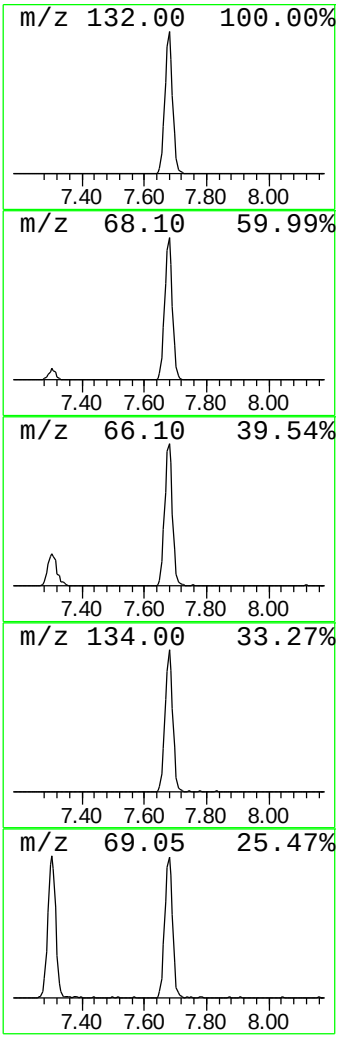
****

Peak Number 5 unknown7.68 Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.68	197.86 ng	3116940	1,4-Dichlorobenzene-d4	8.14

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	14
2	4-Chloro-6-fluoro-pyrimidine	132	C4H2ClFN2	051422-01-6	14
3	Cyclopropanamine, 1-phenyl-	133	C9H11N	1000351-26-2	10
4	5-Fluoro-2-chloropyrimidine	132	C4H2ClFN2	062802-42-0	10
5	(E)-3-Chloro-2-methyl-2-pentenal	132	C6H9ClO	031357-76-3	9





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG071616\
Data File : BG023144.D
Acq On : 16 Jul 2016 12:59
Operator : UM/SJ
Sample : H4018-12
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : F9-B4(0-12)C

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG070816.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

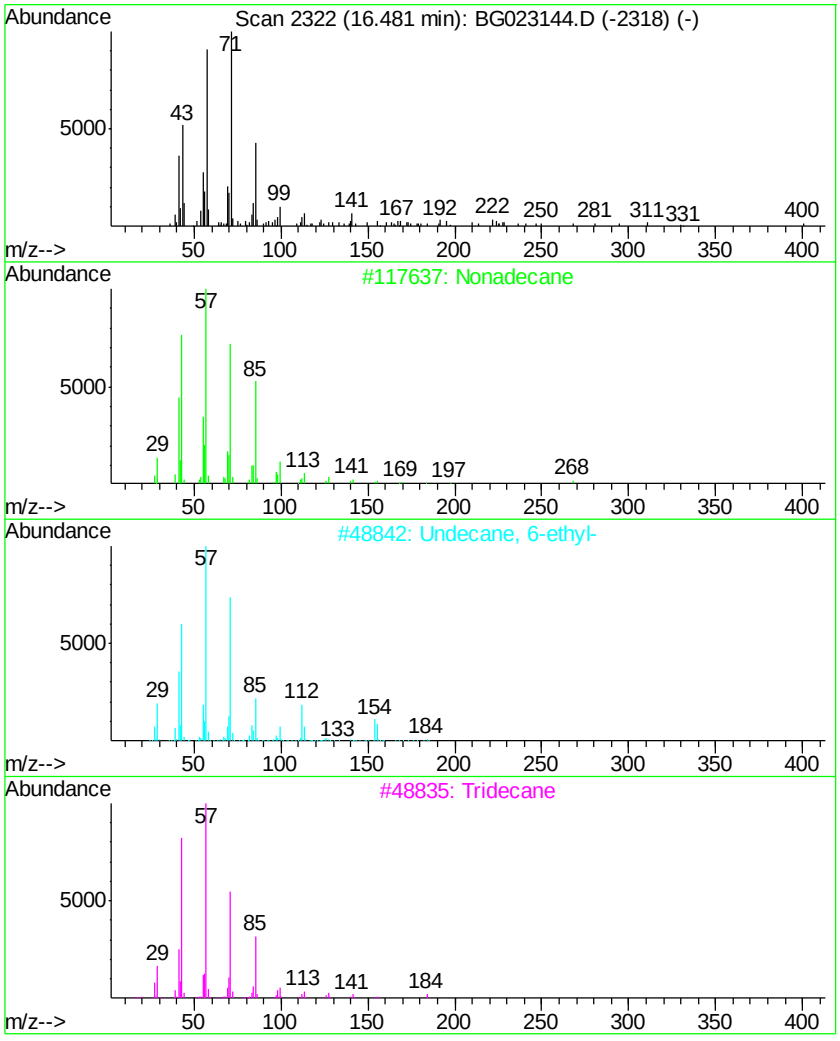
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

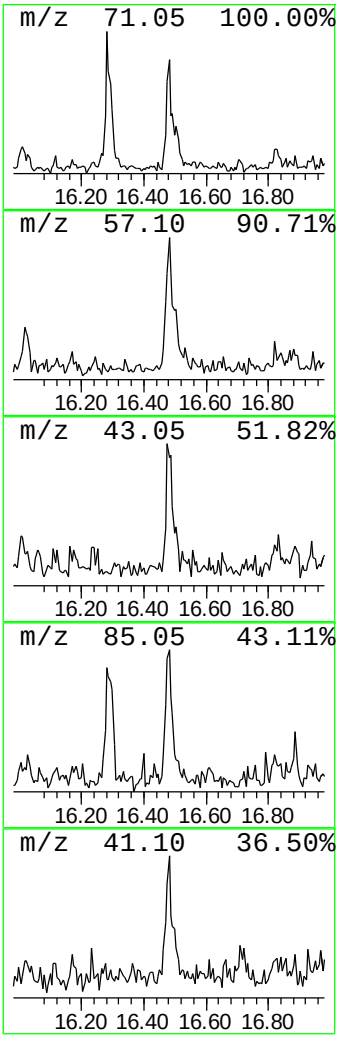
****

Peak Number 7 Nonadecane Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.48	2.02 ng	101108	Phenanthrene-d10	17.55

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Nonadecane	268	C19H40	000629-92-5	86
2	Undecane, 6-ethyl-	184	C13H28	017312-60-6	64
3	Tridecane	184	C13H28	000629-50-5	62
4	Octane, 6-ethyl-2-methyl-	156	C11H24	062016-19-7	59
5	Decane, 2,3,5-trimethyl-	184	C13H28	062238-11-3	53





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Instrument : BNA_G
ClientSampleId : F9-B4(0-12)C

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG070816.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

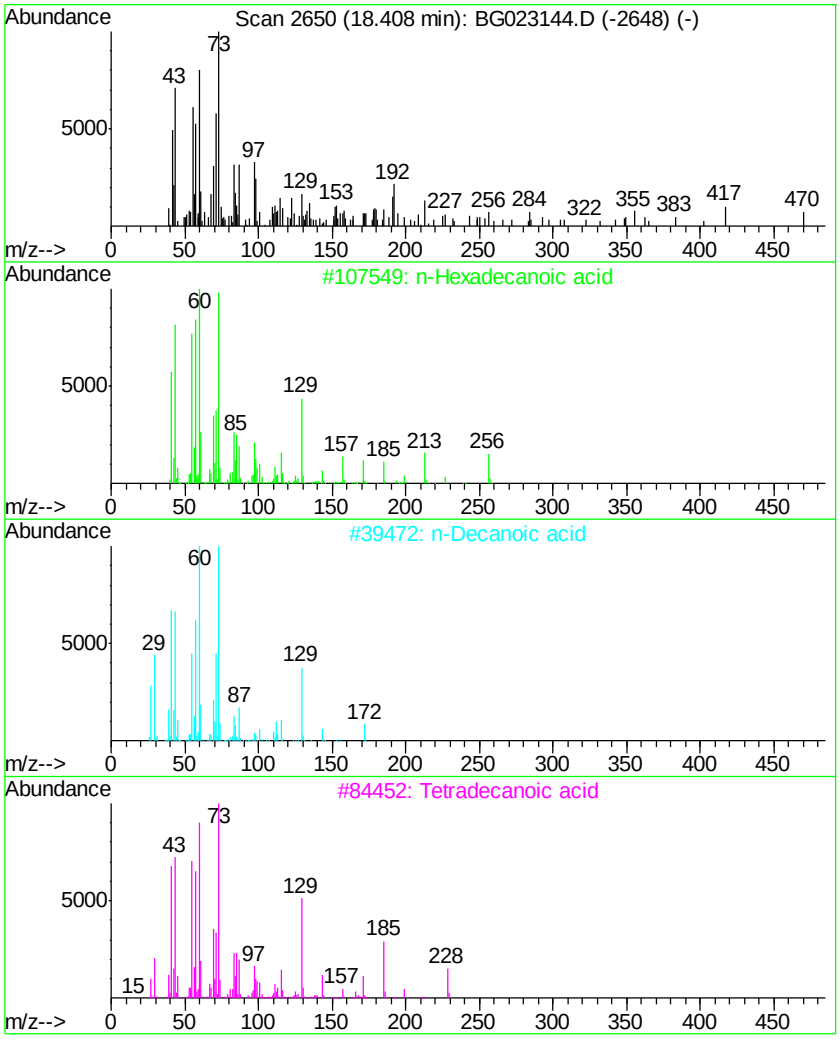
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

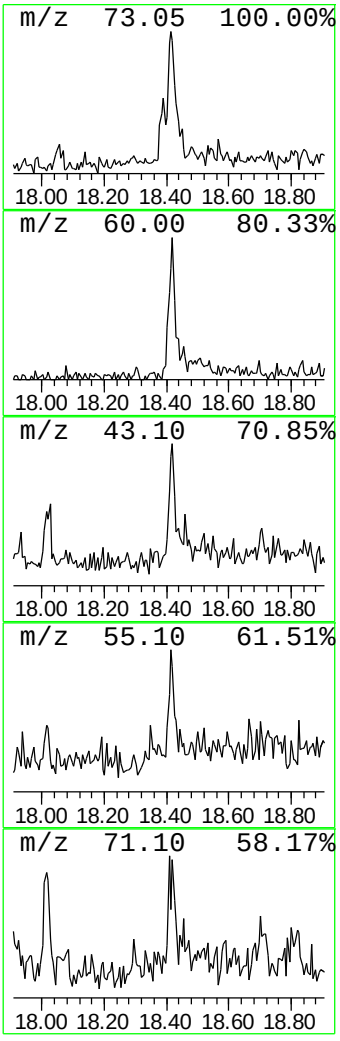
****

Peak Number 8 n-Hexadecanoic acid Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.41	2.38 ng	119054	Phenanthrene-d10	17.55

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	93
2	n-Decanoic acid	172	C10H20O2	000334-48-5	53
3	Tetradecanoic acid	228	C14H28O2	000544-63-8	50
4	Pentadecanoic acid	242	C15H30O2	001002-84-2	49
5	Tridecanoic acid	214	C13H26O2	000638-53-9	47





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Acq On : 16 Jul 2016 12:59
Operator : UM/SJ
Sample : H4018-12
Misc :
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Instrument : BNA_G
ClientSampleId : F9-B4(0-12)C

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG070816.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

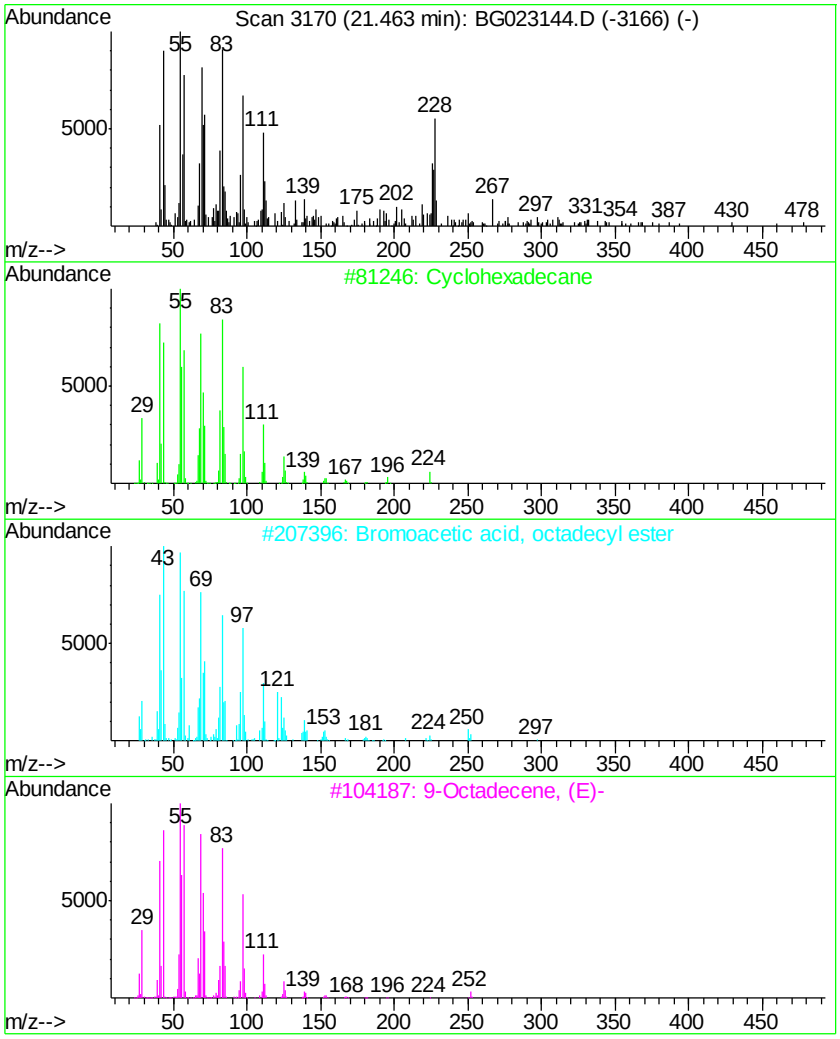
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

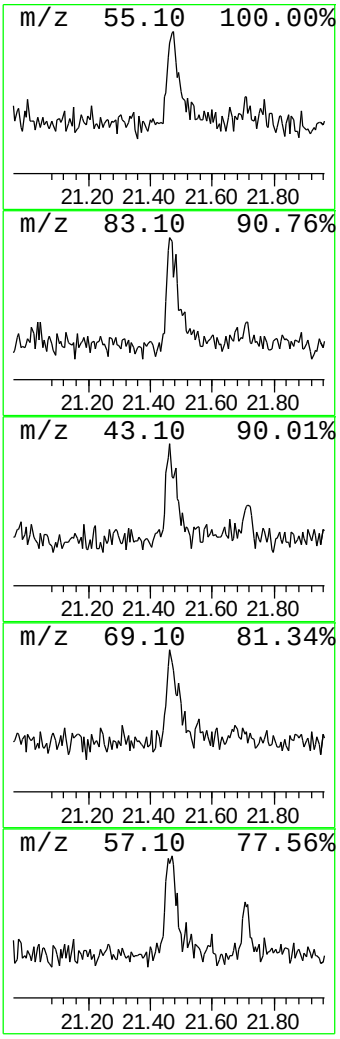
****

Peak Number 10 Cyclohexadecane Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.46	3.90 ng	280914	Chrysene-d12	21.85

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexadecane	224	C16H32	000295-65-8	78
2	Bromoacetic acid, octadecyl ester	390	C20H39BrO2	018992-03-5	58
3	9-Octadecene, (E)-	252	C18H36	007206-25-9	53
4	13-Tetradecen-1-ol acetate	254	C16H30O2	056221-91-1	50
5	1-Hexadecanol	242	C16H34O	036653-82-4	49





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Operator : UM/SJ
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Misc :
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Instrument : BNA_G
ClientSampleId : F9-B4(0-12)C

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG070816.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

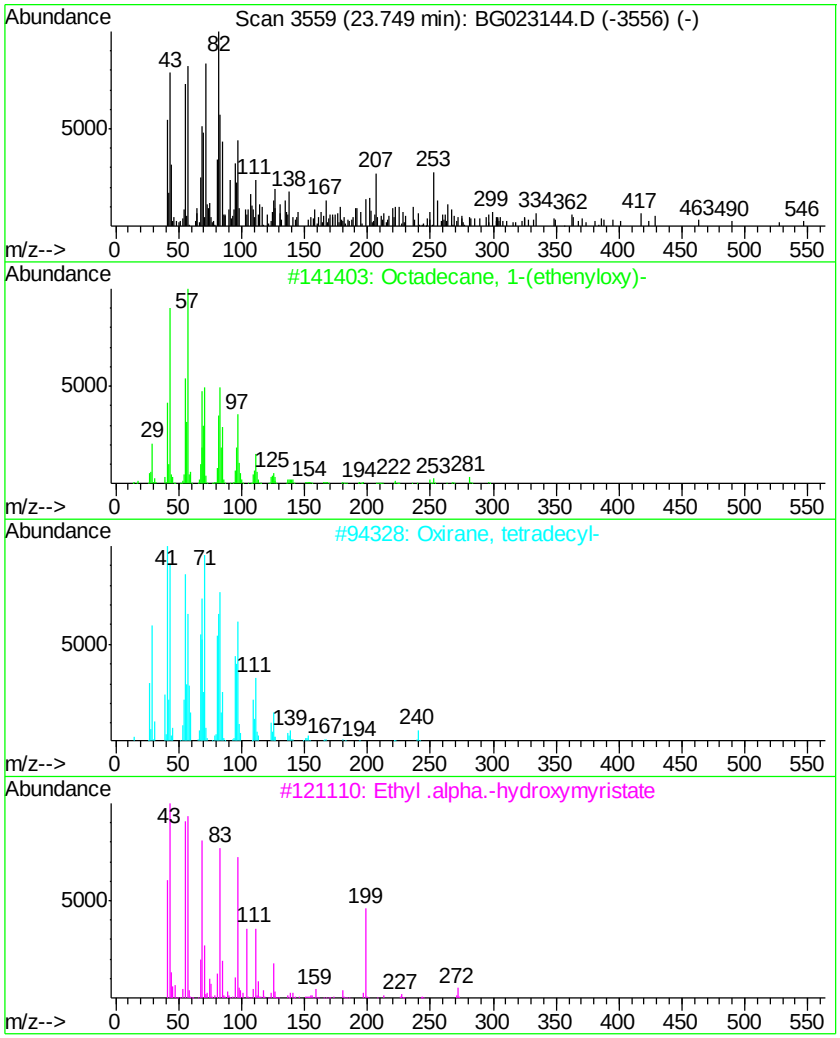
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

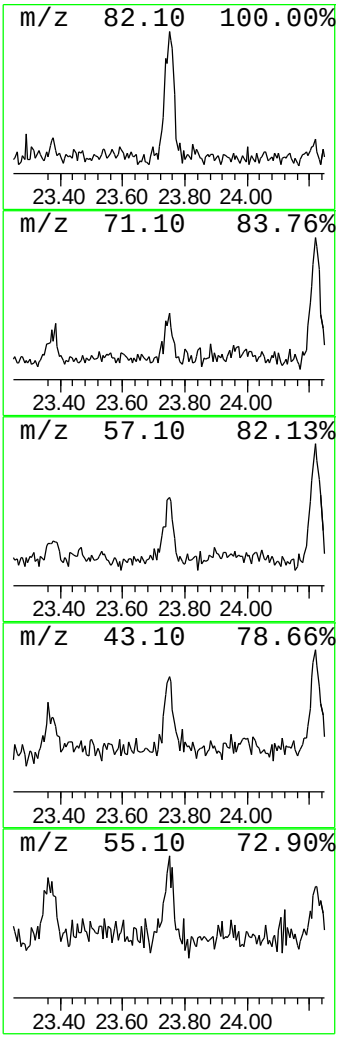
****

Peak Number 11 Octadecane, 1-(ethenyloxy)- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
23.75	4.49 ng	224023	Perylene-d12	25.23

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octadecane, 1-(ethenyloxy)-	296	C20H40O	000930-02-9	59
2	Oxirane, tetradecyl-	240	C16H32O	007320-37-8	52
3	Ethyl .alpha.-hydroxymyristate	272	C16H32O3	129086-73-3	45
4	Dodecane, 6-cyclohexyl-	252	C18H36	013151-86-5	43
5	E-9-Octadecen-1-ol acetate	310	C20H38O2	1000130-95-0	38





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG071616\
Data File : BG023144.D
Acq On : 16 Jul 2016 12:59
Operator : UM/SJ
Sample : H4018-12
Misc :
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Instrument : BNA_G
ClientSampleId : F9-B4(0-12)C

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG070816.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
Cyclopentane, met...	2.90	199.6	ng	3144800	1	8.14	315071	20.0
unknown3.04	3.04	198.5	ng	3127470	1	8.14	315071	20.0
2-Pentanone, 4-hy...	5.22	25.9	ng	407203	1	8.14	315071	20.0
unknown7.68	7.68	197.9	ng	3116940	1	8.14	315071	20.0
Nonadecane	16.48	2.0	ng	101108	4	17.55	1001850	20.0
n-Hexadecanoic acid	18.41	2.4	ng	119054	4	17.55	1001850	20.0
Cyclohexadecane	21.46	3.9	ng	280914	5	21.85	1442390	20.0
Octadecane, 1-(et...	23.75	4.5	ng	224023	6	25.23	997790	20.0