LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG052215\
Data File : BG017271.D
Acq On : 23 May 2015 7:57
Operator : TP/IZ
Sample : G2353-02
Misc :
ALS Vial : 28 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : VE1-4

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-BG051315.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	2.769	9	14	24	rBV2	63017	138418	7.19%	1.148%
2	2.852	24	28	42	rVB	311399	490139	25.47%	4.064%
3	3.422	119	125	133	rBV3	17197	44676	2.32%	0.370%
4	4.802	355	360	369	rVB	41053	59845	3.11%	0.496%
5	5.284	436	442	451	rVB	314367	457213	23.76%	3.791%
6	6.888	709	715	724	rBV	199439	312242	16.23%	2.589%
7	7.229	766	773	781	rBV	585267	933994	48.54%	7.744%
8	7.681	843	850	856	rVB	140512	220116	11.44%	1.825%
9	8.004	898	905	912	rVB	529726	848826	44.11%	7.038%
10	8.845	1039	1048	1054	rBV	471932	776847	40.37%	6.441%
11	10.472	1317	1325	1332	rBV	193163	325895	16.94%	2.702%
12	11.207	1445	1450	1459	rBV	11084	26333	1.37%	0.218%
13	11.583	1510	1514	1521	rVB10	11058	22037	1.15%	0.183%
14	12.147	1608	1610	1616	rVB6	13897	21509	1.12%	0.178%
15	12.270	1628	1631	1639	rVB9	15669	27443	1.43%	0.228%
16	12.452	1656	1662	1666	rBV9	15994	32573	1.69%	0.270%
17	12.752	1708	1713	1716	rBV7	18149	35363	1.84%	0.293%
18	12.952	1741	1747	1752	rBV	1128595	1584410	82.34%	13.137%
19	13.163	1777	1783	1789	rBV10	28002	76493	3.98%	0.634%
20	13.328	1803	1811	1815	rBV8	38126	103927	5.40%	0.862%
21	13.469	1831	1835	1839	rBV5	44799	76090	3.95%	0.631%
22	13.592	1854	1856	1862	rBV7	27390	45384	2.36%	0.376%
23	14.332	1977	1982	1989	rBV2	249169	410441	21.33%	3.403%
24	15.831	2232	2237	2243	rBV	914665	1256271	65.29%	10.416%
25	17.082	2446	2450	2457	rVB	318687	423535	22.01%	3.512%
26	17.288	2482	2485	2488	rVB4	56847	64196	3.34%	0.532%
27	17.993	2602	2605	2610	rVB3	101890	123313	6.41%	1.022%
28	19.274	2820	2823	2828	rBV4	58324	80330	4.17%	0.666%
29	19.714	2893	2898	2904	rVB	1698782	1924287	100.00%	15.955%
30	20.977	3110	3113	3120	rVB5	56229	80858	4.20%	0.670%
31	21.265	3158	3162	3172	rVB	428305	530304	27.56%	4.397%
32	23.516	3539	3545	3552	rVB	260562	507167	26.36%	4.205%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG052215\
Data File : BG017271.D
Acq On : 23 May 2015 7:57
Operator : TP/IZ
Sample : G2353-02
Misc :
ALS Vial : 28 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : VE1-4

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-BG051315.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

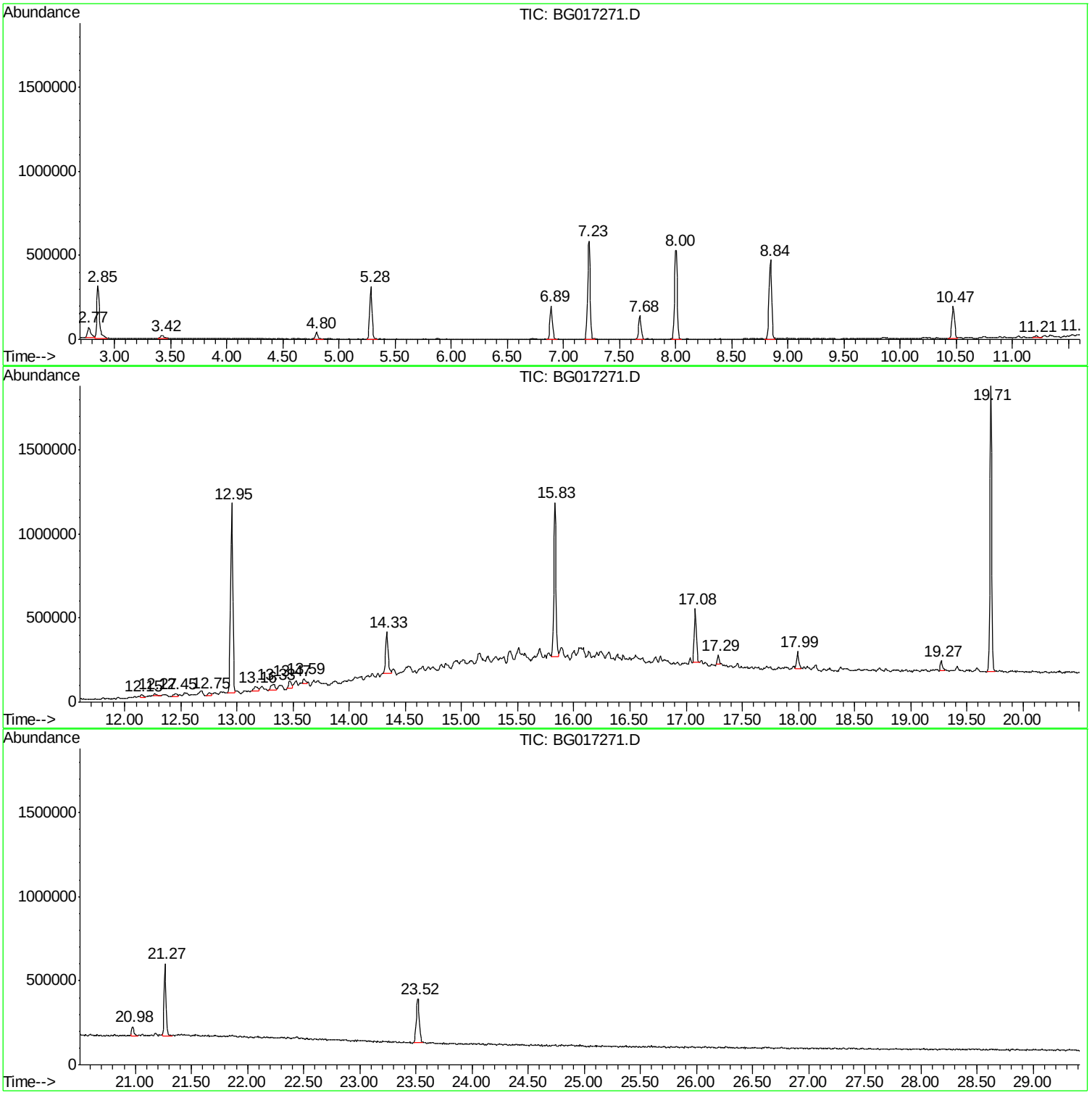
Sum of corrected areas: 12060475

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG052215\
Data File : BG017271.D
Acq On : 23 May 2015 7:57
Operator : TP/IZ
Sample : G2353-02
Misc :
ALS Vial : 28 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : VE1-4

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG051315.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



Data Path : Z:\HPCHEM1\BNA_G\DATA\BG052215\
Data File : BG017271.D
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Operator : TP/IZ
Sample : G2353-02
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Instrument : BNA_G
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Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG051315.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

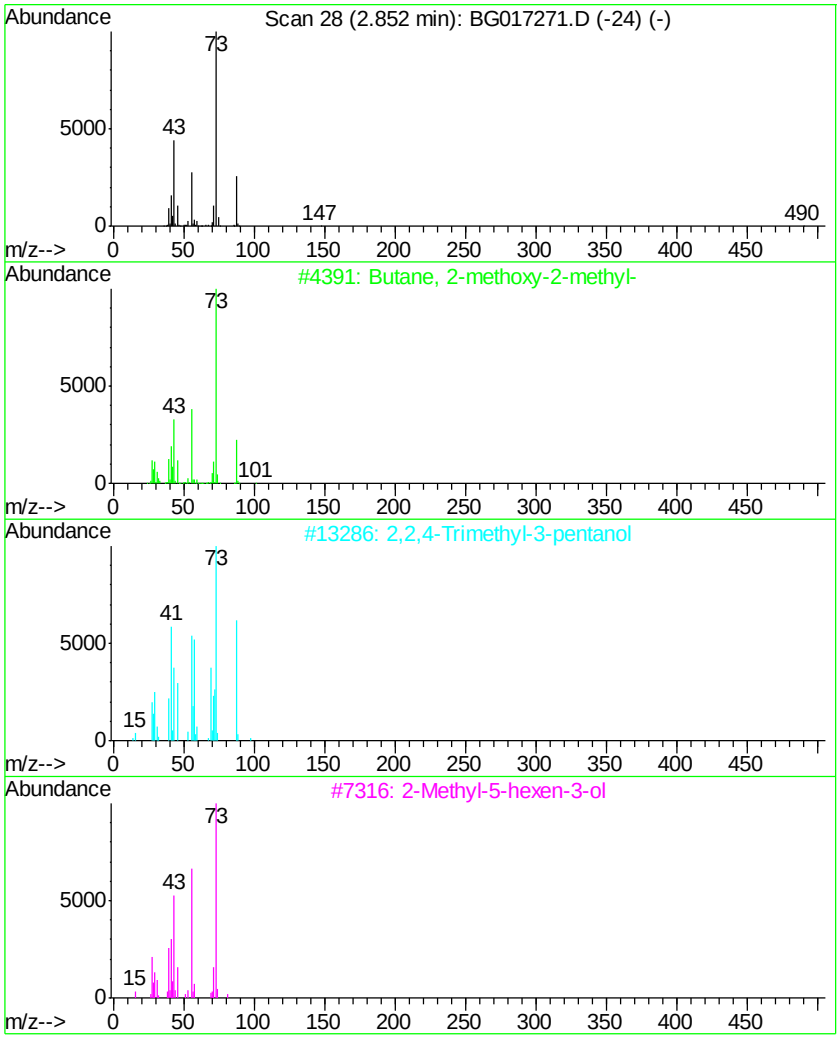
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

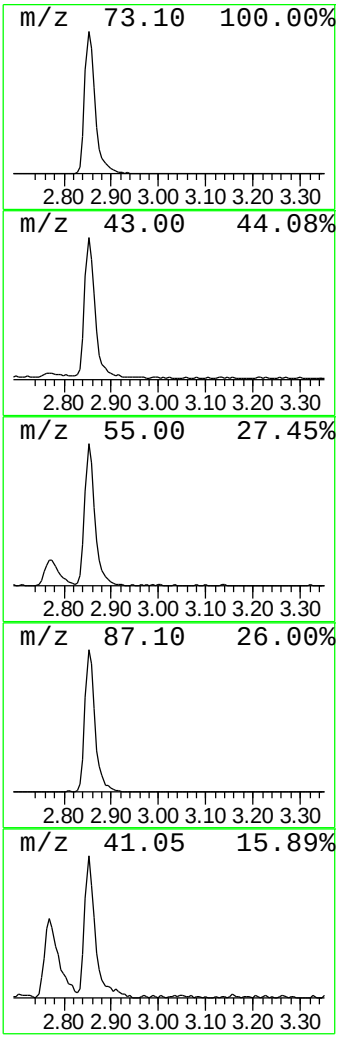
****

Peak Number 2 Butane, 2-methoxy-2-methyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.85	44.53 ng	490139	1,4-Dichlorobenzene-d4	7.68

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane, 2-methoxy-2-methyl-	102	C6H14O	000994-05-8	78
2	2,2,4-Trimethyl-3-pentanol	130	C8H18O	005162-48-1	40
3	2-Methyl-5-hexen-3-ol	114	C7H14O	032815-70-6	32
4	Pentane, 3-methoxy-	102	C6H14O	036839-67-5	12
5	N-Ethylformamide	73	C3H7NO	000627-45-2	9





Data Path : Z:\HPCHEM1\BNA_G\DATA\BG052215\
Data File : BG017271.D
Acq On : 23 May 2015 7:57
Operator : TP/IZ
Sample : G2353-02
Misc :
ALS Vial : 28 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : VE1-4

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG051315.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

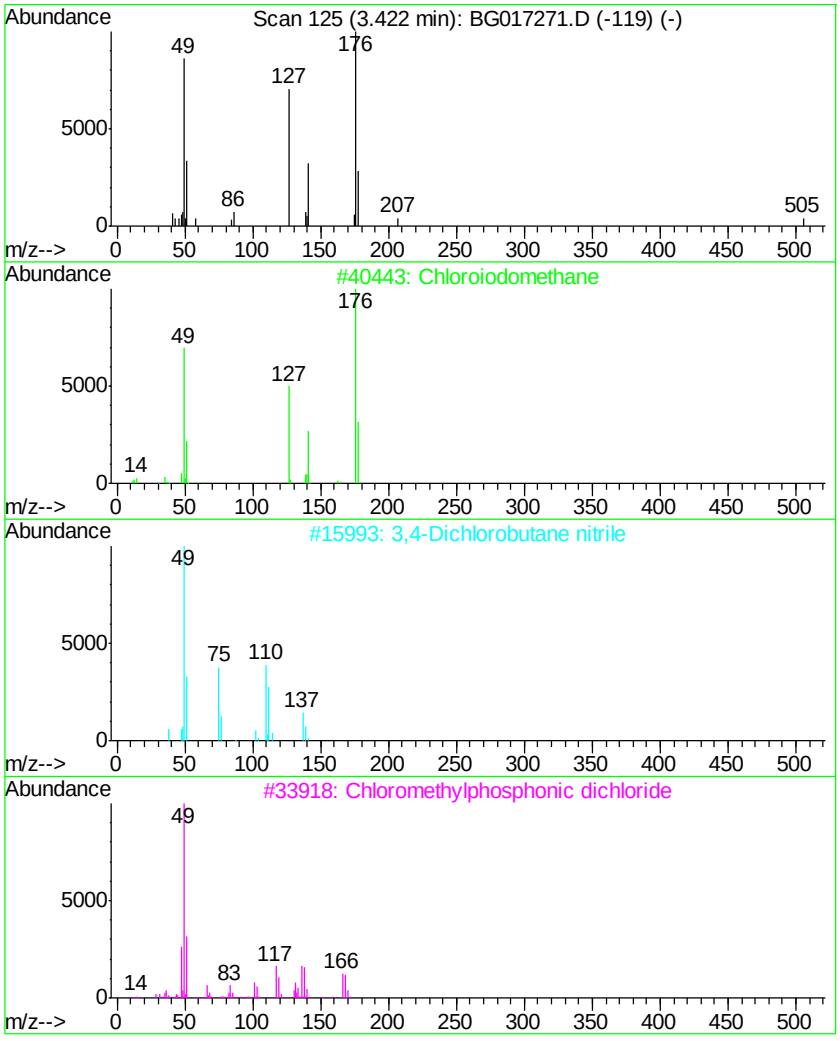
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

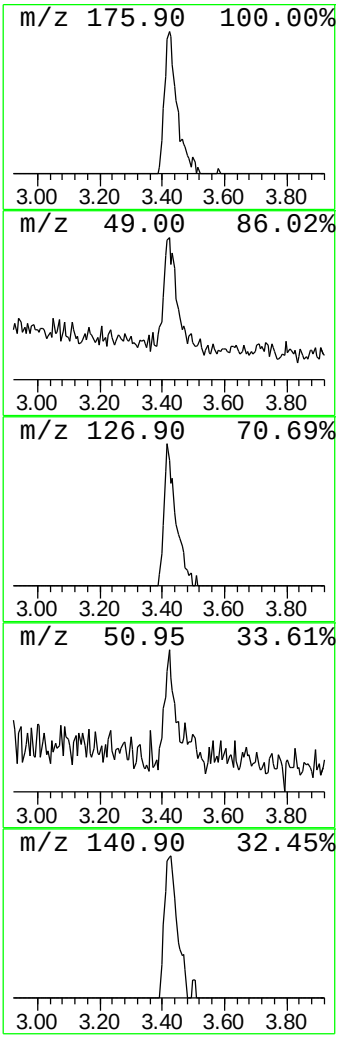
****

Peak Number 3 Chloroiodomethane Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.42	4.06 ng	44676	1,4-Dichlorobenzene-d4	7.68

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Chloroiodomethane	176	CH2ClI	000593-71-5	91
2	3,4-Dichlorobutane nitrile	137	C4H5Cl2N	034362-21-5	40
3	Chloromethylphosphonic dichloride	166	CH2Cl3OP	001983-26-2	33
4	Ethane, 2-chloro-1-(chloromethox...	182	C3H3Cl2F3O	000428-92-2	33
5	Methylene Chloride	84	CH2Cl2	000075-09-2	33





Data Path : Z:\HPCHEM1\BNA_G\DATA\BG052215\
Data File : BG017271.D
Acq On : 23 May 2015 7:57
Operator : TP/IZ
Sample : G2353-02
Misc :
ALS Vial : 28 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : VE1-4

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG051315.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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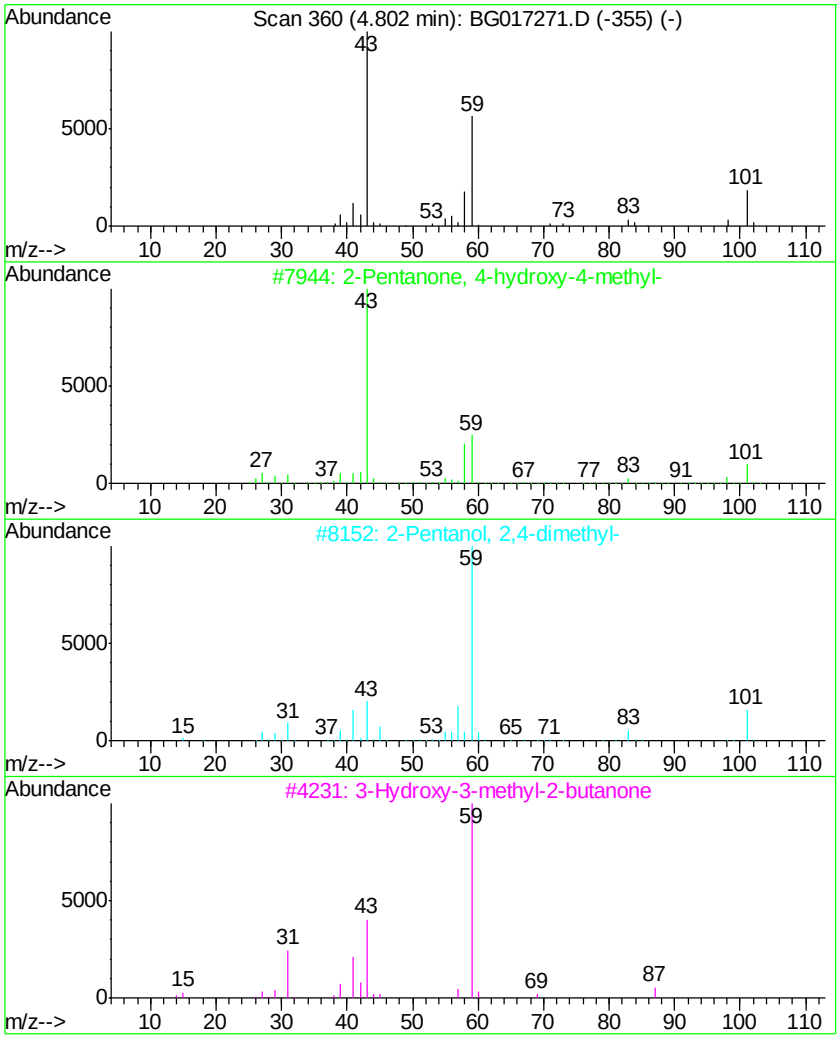
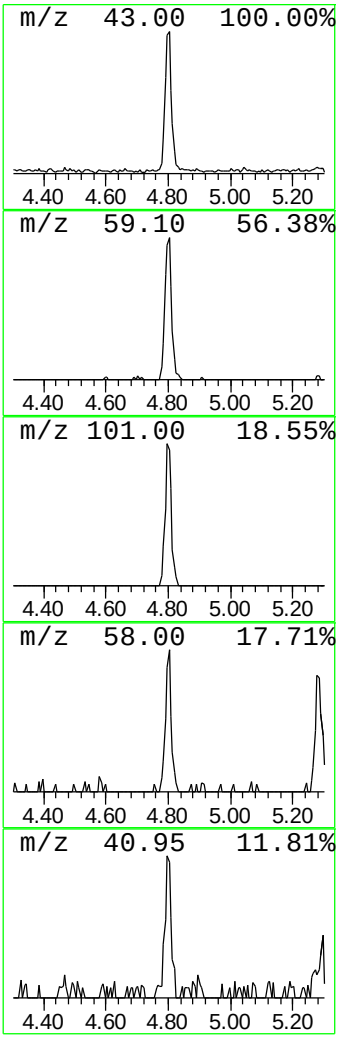
Peak Number 4 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.80	5.44 ng	59845	1,4-Dichlorobenzene-d4	7.68

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	53
2	2-Pentanol, 2,4-dimethyl-	116	C7H16O	000625-06-9	33
3	3-Hydroxy-3-methyl-2-butanone	102	C5H10O2	000115-22-0	17
4	5-Hexen-2-one	98	C6H10O	000109-49-9	9
5	Acetone	58	C3H6O	000067-64-1	9





Data Path : Z:\HPCHEM1\BNA_G\DATA\BG052215\
Data File : BG017271.D
Acq On : 23 May 2015 7:57
Operator : TP/IZ
Sample : G2353-02
Misc :
ALS Vial : 28 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : VE1-4

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG051315.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

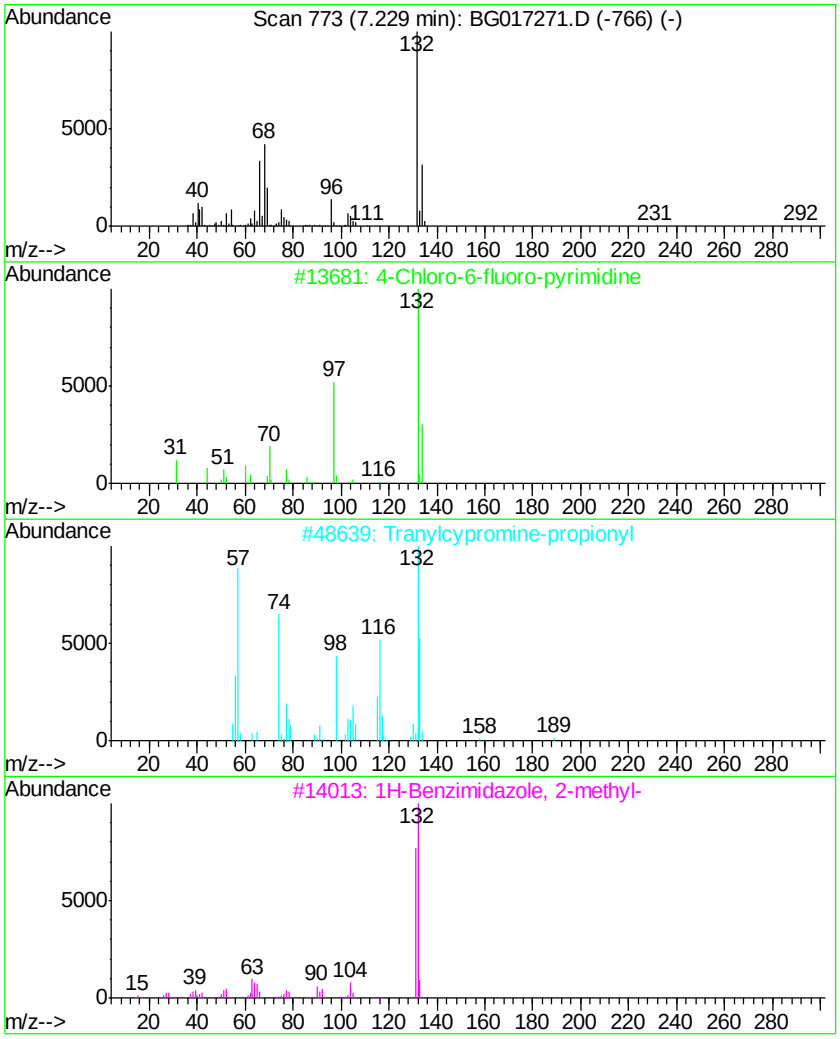
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

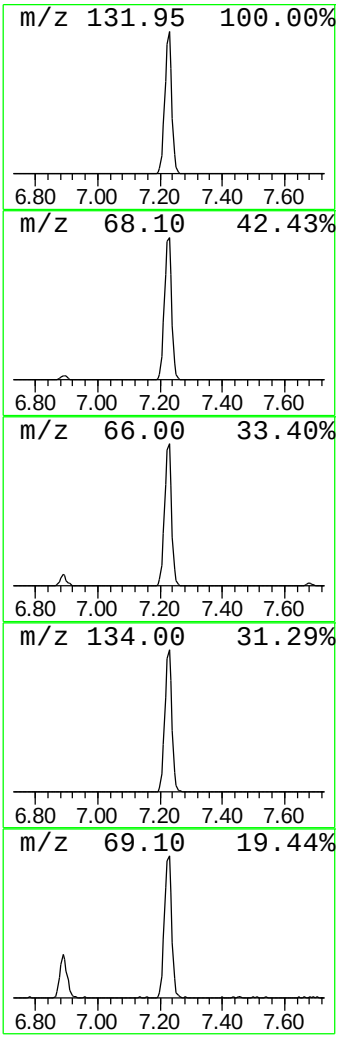
****

Peak Number 5 unknown7.23 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.23	84.86 ng	933994	1,4-Dichlorobenzene-d4	7.68

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4-Chloro-6-fluoro-pyrimidine	132	C4H2ClFN2	051422-01-6	27
2	Tranylcypromine-propionyl	189	C12H15NO	1000123-86-3	22
3	1H-Benzimidazole, 2-methyl-	132	C8H8N2	000615-15-6	22
4	2H-Cyclopenta[d]pyridazine, 2-me...	132	C8H8N2	022291-85-6	16
5	1,3-Cyclopentanedione, 2-chloro-	132	C5H5ClO2	014203-19-1	13





Data Path : Z:\HPCHEM1\BNA_G\DATA\BG052215\
Data File : BG017271.D
Acq On : 23 May 2015 7:57
Operator : TP/IZ
Sample : G2353-02
Misc :
ALS Vial : 28 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : VE1-4

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG051315.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

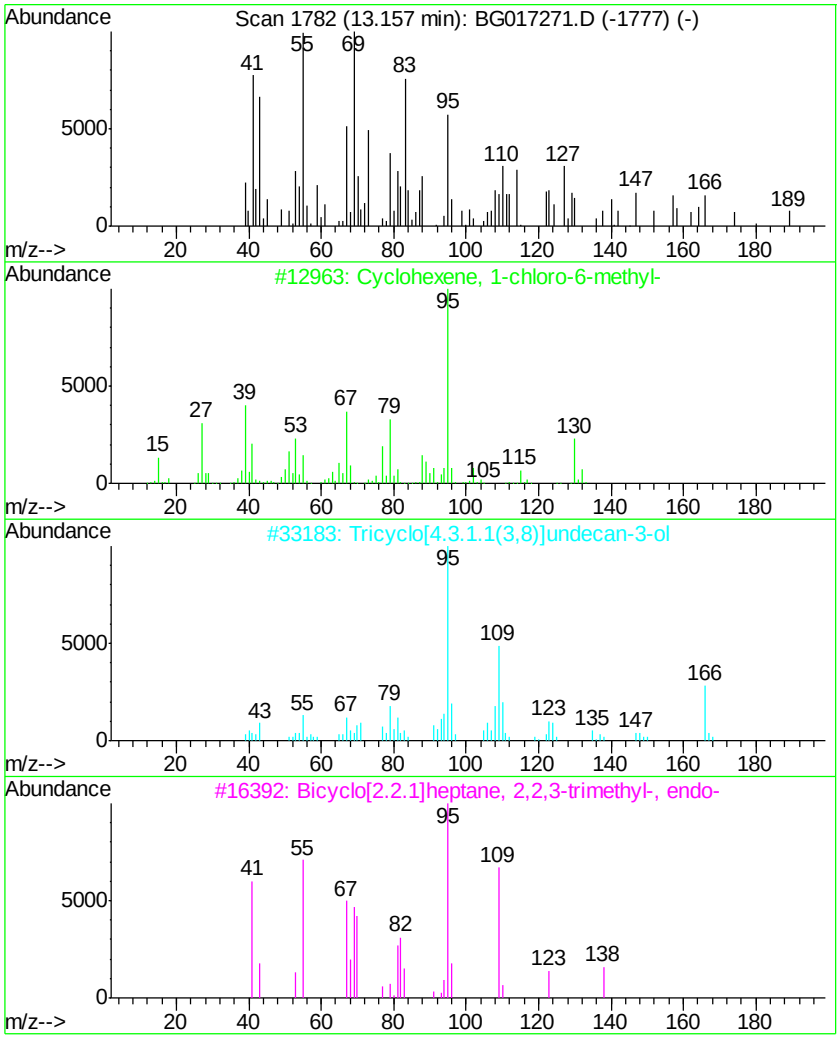
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

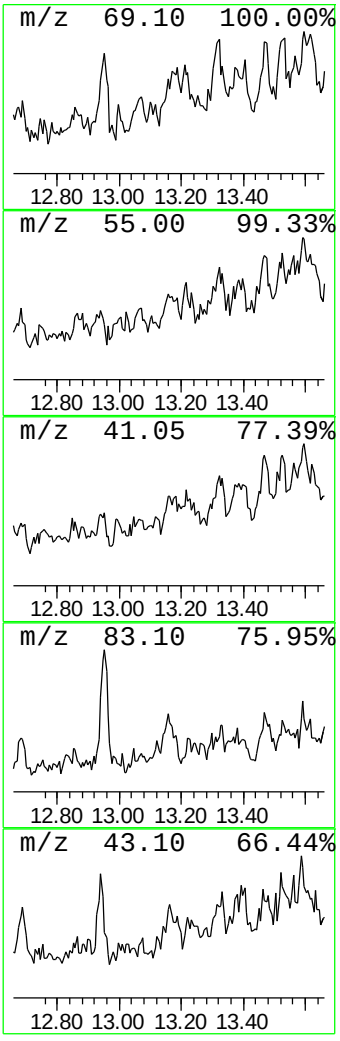
****

Peak Number 7 unknown13.16 Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.16	3.73 ng	76493	Acenaphthene-d10	14.33

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexene, 1-chloro-6-methyl-	130	C7H11Cl	016642-50-5	38
2	Tricyclo[4.3.1.1(3,8)]undecan-3-ol	166	C11H18O	014504-80-4	35
3	Bicyclo[2.2.1]heptane, 2,2,3-tri...	138	C10H18	020536-40-7	30
4	4-Ethyl-2-hexynal	124	C8H12O	071932-97-3	27
5	(E)-2-Butenylcyclopropane	96	C7H12	076588-98-2	25





Data Path : Z:\HPCHEM1\BNA_G\DATA\BG052215\
Data File : BG017271.D
Acq On : 23 May 2015 7:57
Operator : TP/IZ
Sample : G2353-02
Misc :
ALS Vial : 28 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : VE1-4

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG051315.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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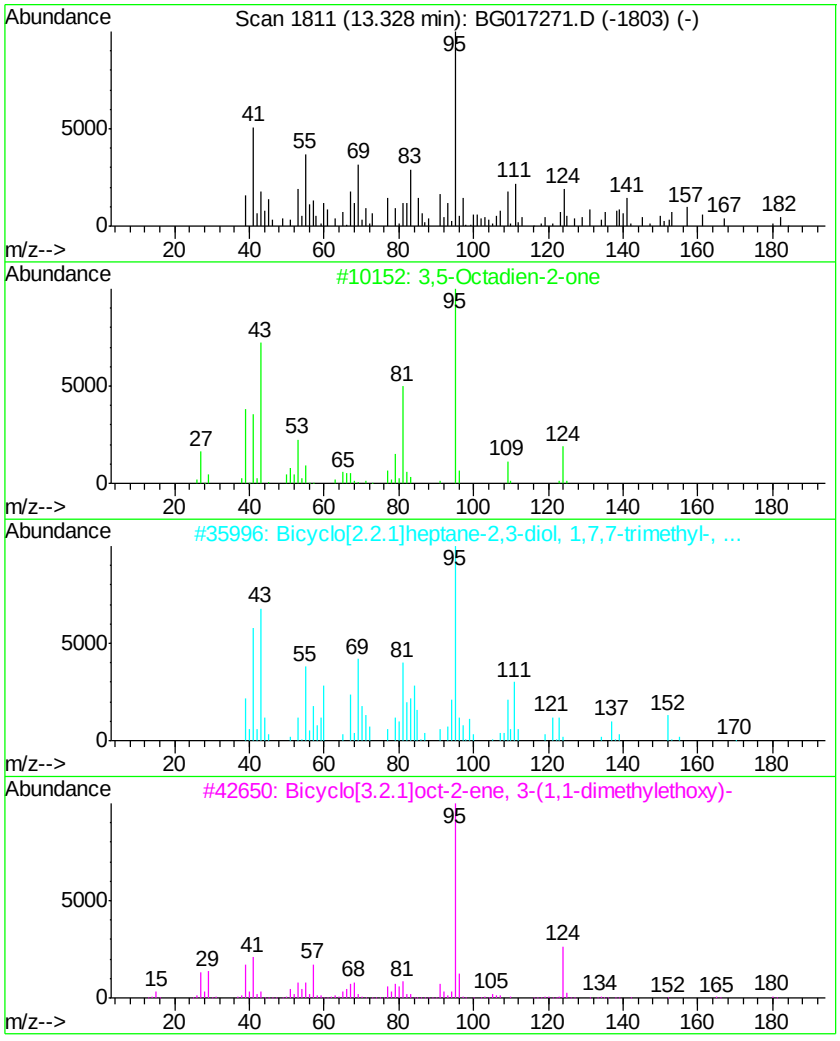
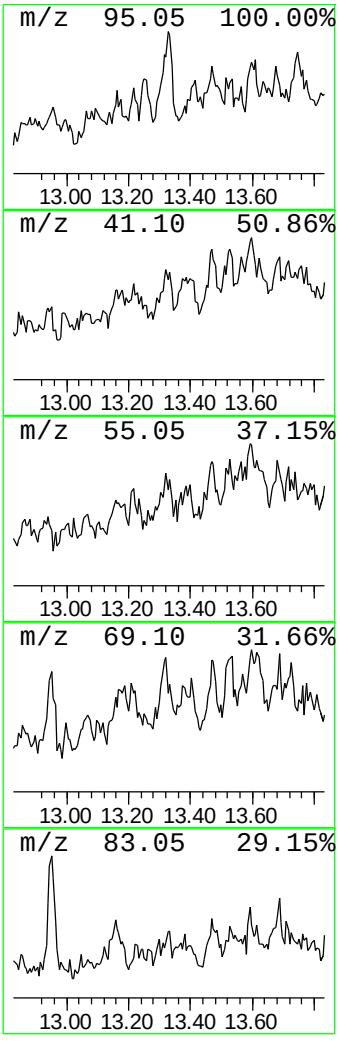
Peak Number 8 unknown13.33 Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.33	5.06 ng	103927	Acenaphthene-d10	14.33

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3,5-Octadien-2-one	124	C8H12O	038284-27-4	43
2	Bicyclo[2.2.1]heptane-2,3-diol, ...	170	C10H18O2	056614-57-4	42
3	Bicyclo[3.2.1]oct-2-ene, 3-(1,1-...	180	C12H20O	037609-41-9	38
4	1,2-Dimethyl-4-oxocyclohex-2-ene...	152	C9H12O2	1000187-01-2	37
5	1,3-Heptadiene, 5,5-dimethyl-	124	C9H16	024618-86-8	37





Data Path : Z:\HPCHEM1\BNA_G\DATA\BG052215\
Data File : BG017271.D
Acq On : 23 May 2015 7:57
Operator : TP/IZ
Sample : G2353-02
Misc :
ALS Vial : 28 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : VE1-4

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG051315.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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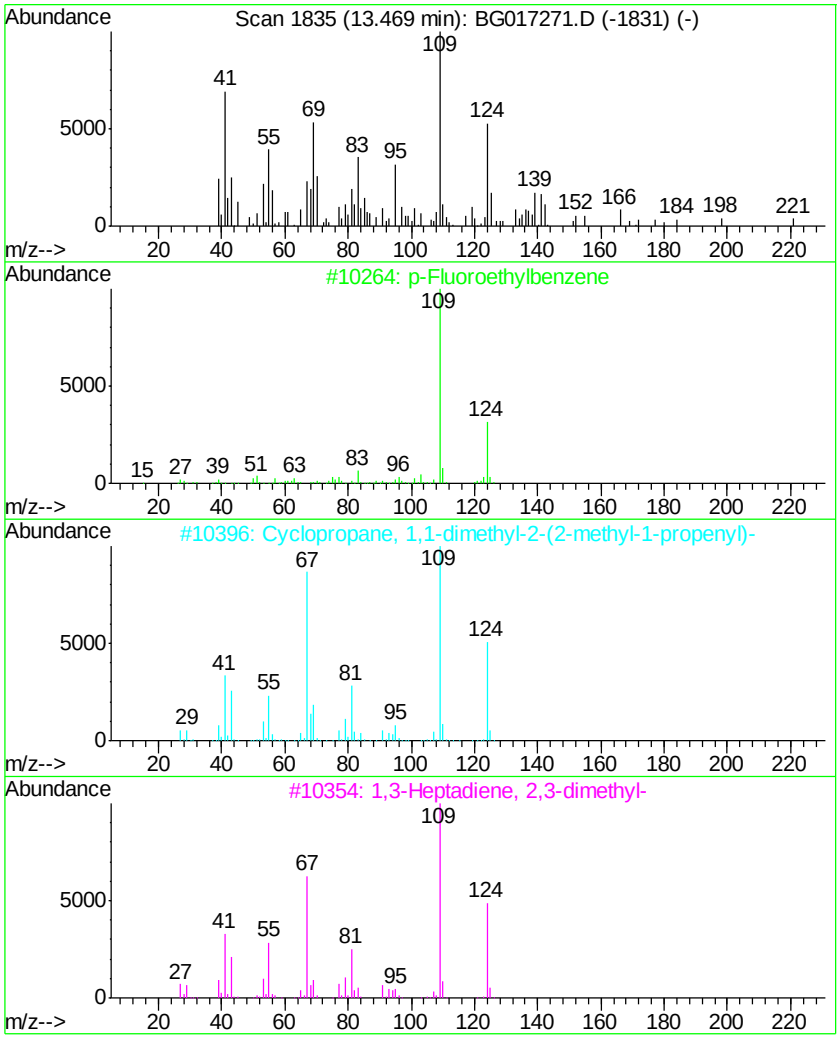
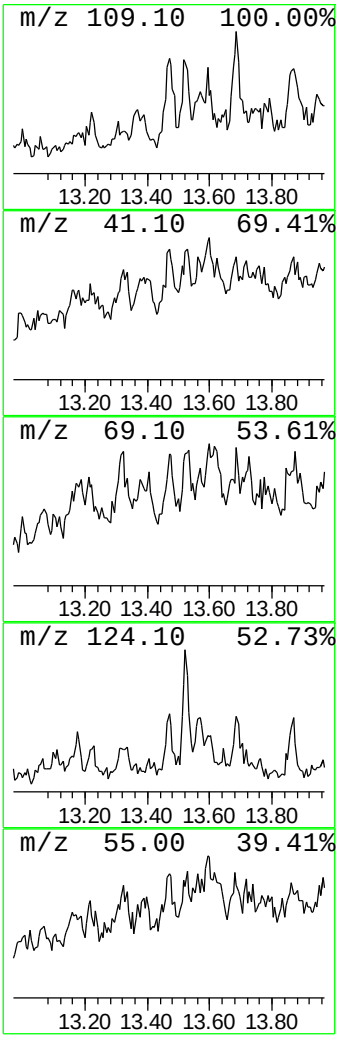
Peak Number 9 p-Fluoroethylbenzene Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.47	3.71 ng	76090	Acenaphthene-d10	14.33

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	p-Fluoroethylbenzene	124	C8H9F	000459-47-2	52
2	Cyclopropane, 1,1-dimethyl-2-(2-...	124	C9H16	033422-32-1	50
3	1,3-Heptadiene, 2,3-dimethyl-	124	C9H16	074779-65-0	50
4	2-Butanoyl-5-methylfuran	152	C9H12O2	090673-55-5	50
5	3-Heptyne, 2,2-dimethyl-	124	C9H16	029022-29-5	50





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Data File : BG017271.D
Acq On : 23 May 2015 7:57
Operator : TP/IZ
Sample : G2353-02
Misc :
ALS Vial : 28 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : VE1-4

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG051315.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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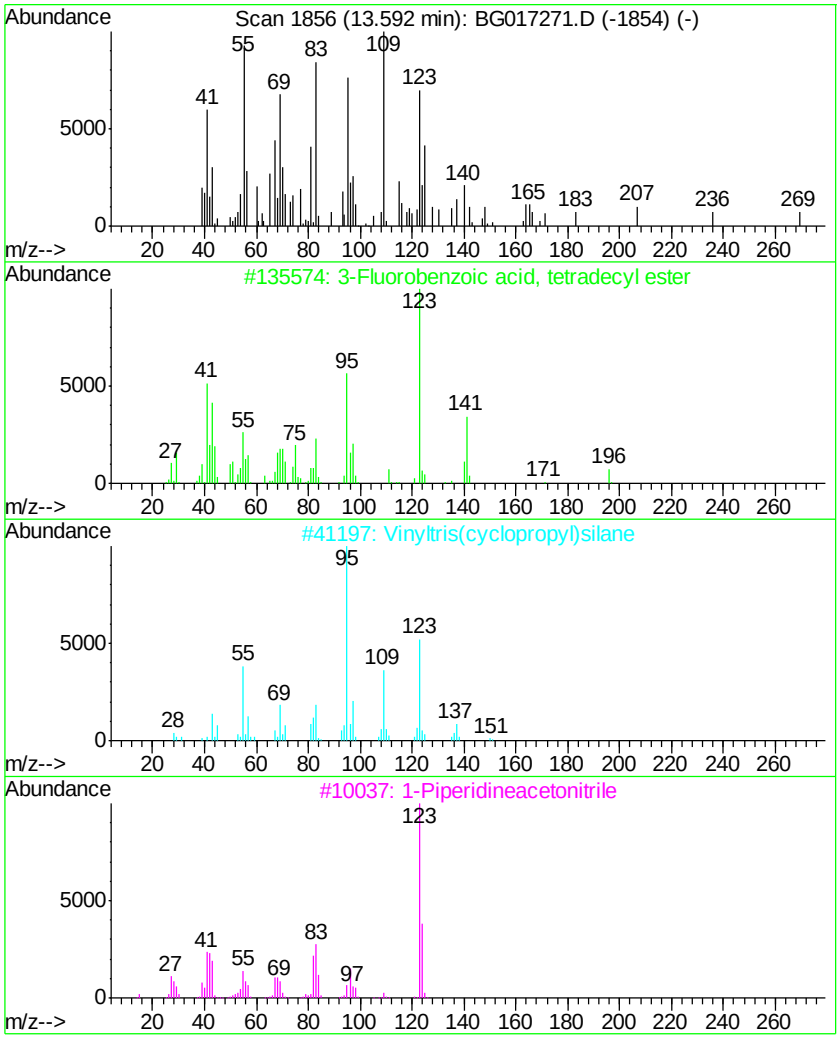
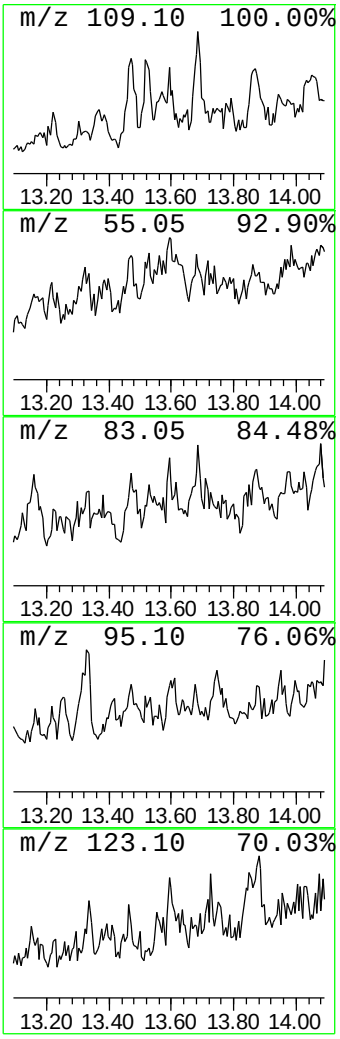
Peak Number 10 unknown13.59 Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.59	2.21 ng	45384	Acenaphthene-d10	14.33

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Fluorobenzoic acid, tetradecyl...	336	C21H33FO2	1000279-01-5	27
2	Vinyltris(cyclopropyl)silane	178	C11H18Si	1000109-97-3	22
3	1-Piperidineacetonitrile	124	C7H12N2	003010-03-5	22
4	Pyrimidine, 5-formamido-	123	C5H5N3O	056621-84-2	22
5	Cyclohexanemethanol	114	C7H14O	000100-49-2	22





Data Path : Z:\HPCHEM1\BNA_G\DATA\BG052215\
Data File : BG017271.D
Acq On : 23 May 2015 7:57
Operator : TP/IZ
Sample : G2353-02
Misc :
ALS Vial : 28 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : VE1-4

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG051315.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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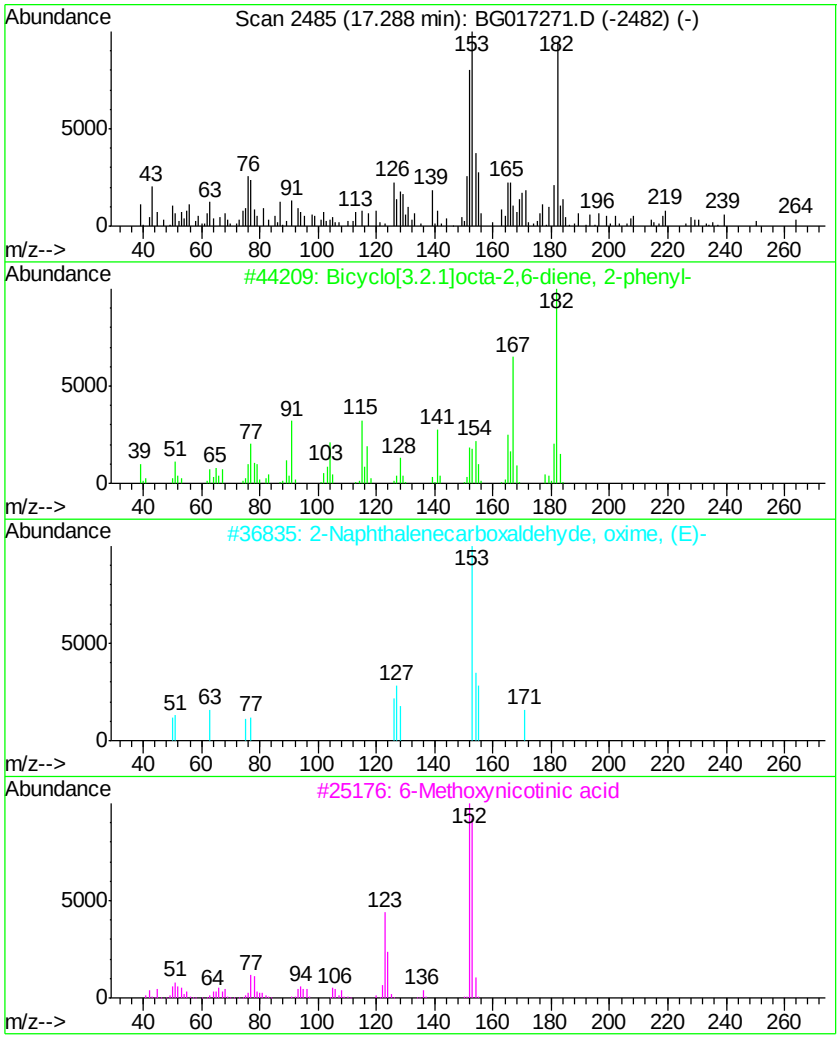
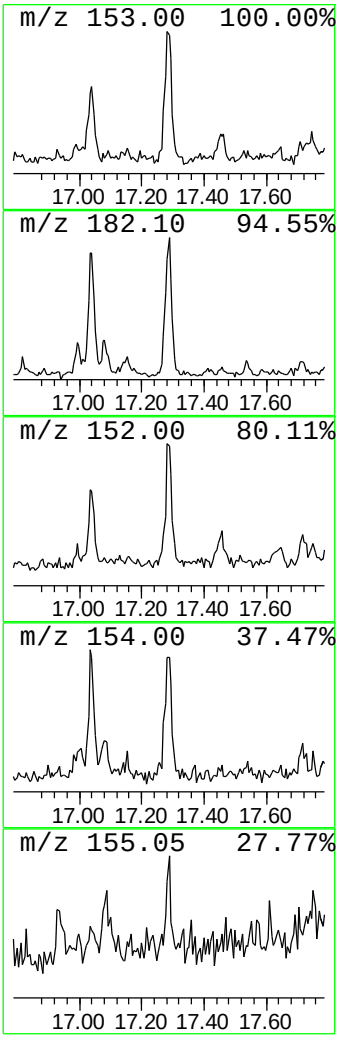
Peak Number 11 unknown17.29 Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.29	3.03 ng	64196	Phenanthrene-d10	17.08

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Bicyclo[3.2.1]octa-2,6-diene, 2-...	182	C14H14	101166-08-9	43
2	2-Naphthalenecarboxaldehyde, oxi...	171	C11H9NO	051873-98-4	35
3	6-Methoxynicotinic acid	153	C7H7NO3	066572-55-2	35
4	Anthracene, 1,2,3,4-tetrahydro-	182	C14H14	002141-42-6	35
5	2,4,6-Trimethoxytoluene	182	C10H14O3	014107-97-2	25





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Data File : BG017271.D
Acq On : 23 May 2015 7:57
Operator : TP/IZ
Sample : G2353-02
Misc :
ALS Vial : 28 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : VE1-4

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG051315.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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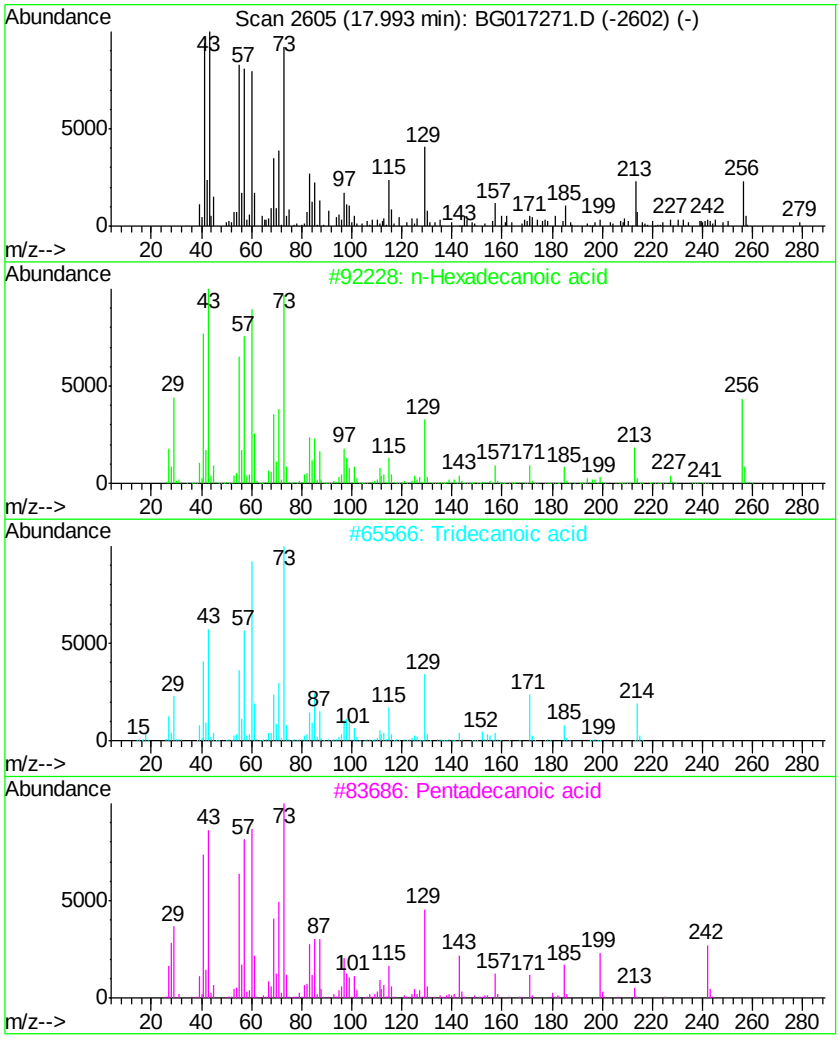
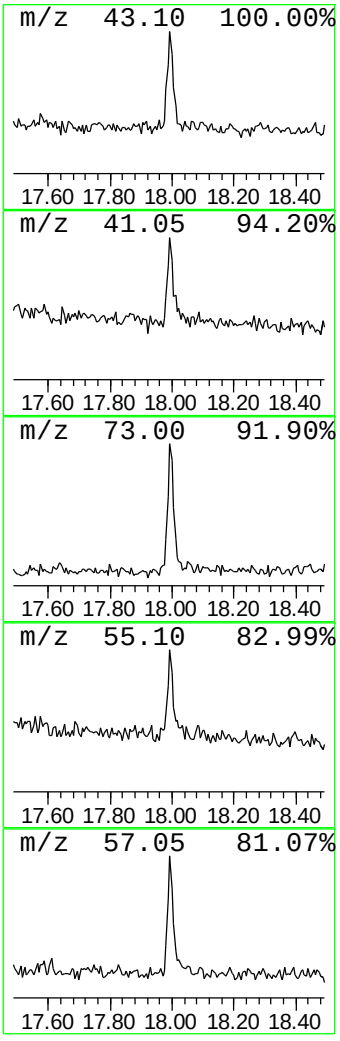
Peak Number 12 n-Hexadecanoic acid Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.99	5.82 ng	123313	Phenanthrene-d10	17.08

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	93
2	Tridecanoic acid	214	C13H26O2	000638-53-9	74
3	Pentadecanoic acid	242	C15H30O2	001002-84-2	70
4	Tetradecanoic acid	228	C14H28O2	000544-63-8	53
5	n-Decanoic acid	172	C10H20O2	000334-48-5	47





Data Path : Z:\HPCHEM1\BNA_G\DATA\BG052215\
Data File : BG017271.D
Acq On : 23 May 2015 7:57
Operator : TP/IZ
Sample : G2353-02
Misc :
ALS Vial : 28 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : VE1-4

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG051315.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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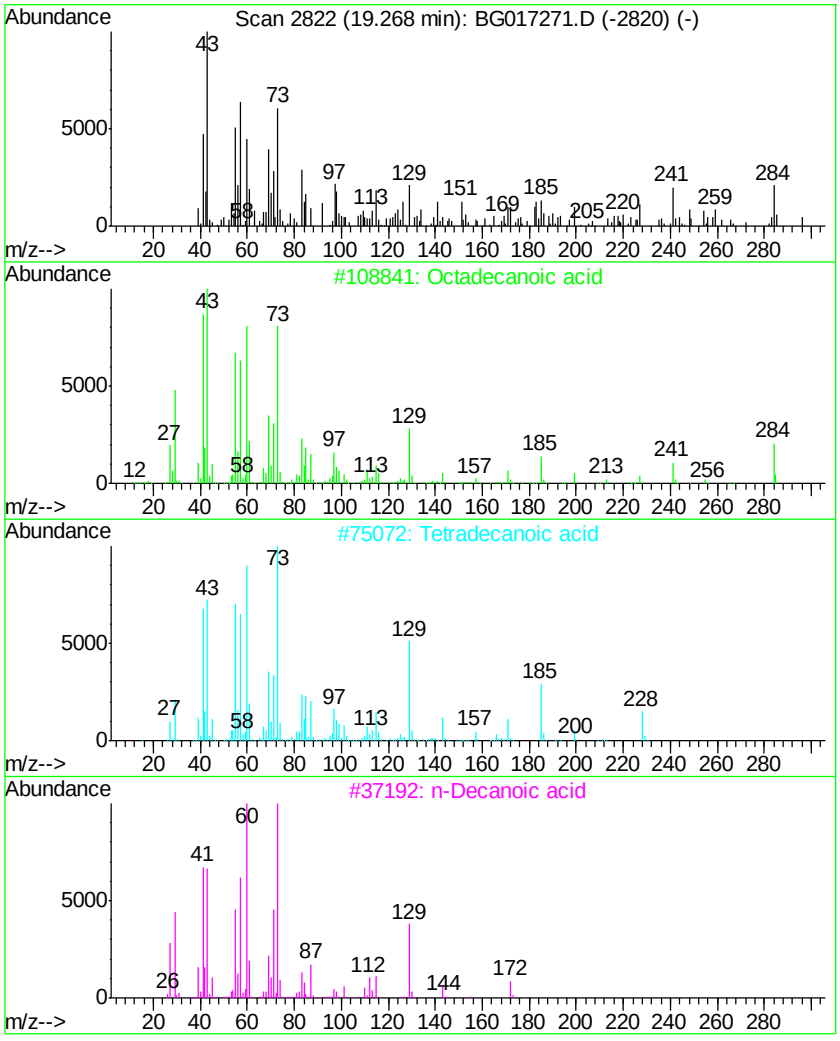
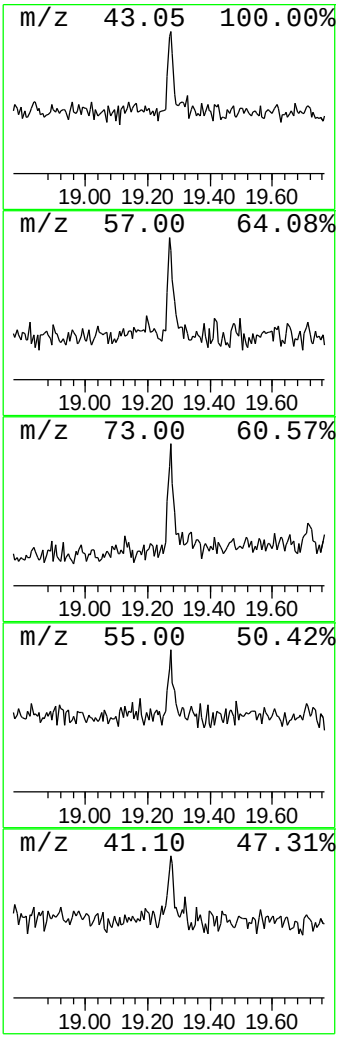
Peak Number 13 Octadecanoic acid Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.27	3.03 ng	80330	Chrysene-d12	21.27

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octadecanoic acid	284	C18H36O2	000057-11-4	96
2	Tetradecanoic acid	228	C14H28O2	000544-63-8	70
3	n-Decanoic acid	172	C10H20O2	000334-48-5	50
4	Dodecanoic acid	200	C12H24O2	000143-07-7	49
5	Undecanoic acid	186	C11H22O2	000112-37-8	45





Data Path : Z:\HPCHEM1\BNA_G\DATA\BG052215\
Data File : BG017271.D
Acq On : 23 May 2015 7:57
Operator : TP/IZ
Sample : G2353-02
Misc :
ALS Vial : 28 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : VE1-4

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG051315.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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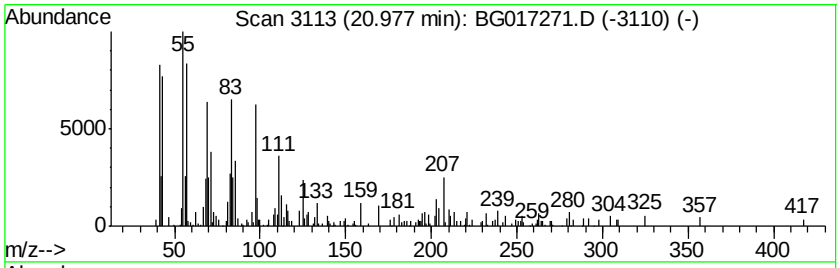
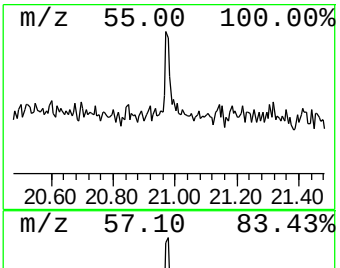
Peak Number 14 Cycloeicosane Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.98	3.05 ng	80858	Chrysene-d12	21.27

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cycloeicosane	280	C20H40	000296-56-0	94
2	1-Eicosene	280	C20H40	003452-07-1	90
3	13-Tetradecen-1-ol acetate	254	C16H30O2	056221-91-1	89
4	1-Docosene	308	C22H44	001599-67-3	89
5	Cyclohexane, 1-(1,5-dimethylhexy...	280	C20H40	056009-20-2	78





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG052215\
Data File : BG017271.D
Acq On : 23 May 2015 7:57
Operator : TP/IZ
Sample : G2353-02
Misc :
ALS Vial : 28 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : VE1-4

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG051315.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
Butane, 2-methoxy...	2.85	44.5	ng	490139	1	7.68	220116	20.0
Chloroiodomethane	3.42	4.1	ng	44676	1	7.68	220116	20.0
2-Pentanone, 4-hy...	4.80	5.4	ng	59845	1	7.68	220116	20.0
unknown7.23	7.23	84.9	ng	933994	1	7.68	220116	20.0
unknown13.16	13.16	3.7	ng	76493	3	14.33	410441	20.0
unknown13.33	13.33	5.1	ng	103927	3	14.33	410441	20.0
p-Fluoroethylbenzene	13.47	3.7	ng	76090	3	14.33	410441	20.0
unknown13.59	13.59	2.2	ng	45384	3	14.33	410441	20.0
unknown17.29	17.29	3.0	ng	64196	4	17.08	423535	20.0
n-Hexadecanoic acid	17.99	5.8	ng	123313	4	17.08	423535	20.0
Octadecanoic acid	19.27	3.0	ng	80330	5	21.27	530304	20.0
Cycloeicosane	20.98	3.0	ng	80858	5	21.27	530304	20.0