LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG121215\
Data File : BG020117.D
Acq On : 11 Dec 2015 22:04
Operator : UM/SJ
Sample : G4729-14
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : W-52

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-BG120215.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	3.126	43	49	58	rBV2	35067	77021	3.83%	0.933%
2	3.202	58	62	70	rVB	31136	48013	2.38%	0.582%
3	4.748	321	325	330	rVB	12102	20765	1.03%	0.252%
4	5.176	391	398	404	rBV	35937	54980	2.73%	0.666%
5	5.646	472	478	486	rBV	151267	236253	11.74%	2.863%
6	7.250	742	751	762	rVB	104008	182211	9.05%	2.208%
7	7.627	808	815	824	rBV	269198	458499	22.77%	5.557%
8	8.102	889	896	901	rBV	65292	109154	5.42%	1.323%
9	8.426	944	951	958	rVB	243405	418282	20.78%	5.070%
10	8.743	997	1005	1010	rBV	13208	20633	1.02%	0.250%
11	9.266	1087	1094	1103	rBV	212592	376793	18.72%	4.567%
12	10.917	1368	1375	1380	rBV	93201	160157	7.96%	1.941%
13	10.964	1380	1383	1390	rVB2	15765	24734	1.23%	0.300%
14	13.355	1777	1790	1797	rBV	720577	1062104	52.76%	12.873%
15	14.395	1962	1967	1973	rBV	24258	34381	1.71%	0.417%
16	14.730	2017	2024	2031	rVB2	157508	262805	13.05%	3.185%
17	16.211	2267	2276	2284	rBV	670519	1008609	50.10%	12.224%
18	16.416	2306	2311	2320	rBV2	12776	21703	1.08%	0.263%
19	17.468	2482	2490	2496	rBV2	232863	354330	17.60%	4.294%
20	17.815	2544	2549	2561	rBV	41247	66952	3.33%	0.811%
21	18.337	2630	2638	2645	rBV	39718	56334	2.80%	0.683%
22	19.607	2850	2854	2865	rBV2	21259	30166	1.50%	0.366%
23	19.712	2865	2872	2879	rBV	93382	134620	6.69%	1.632%
24	20.071	2927	2933	2939	rBV	1571408	2013216	100.00%	24.400%
25	21.216	3123	3128	3138	rBV	46068	76409	3.80%	0.926%
26	21.363	3149	3153	3163	rBV5	20729	37039	1.84%	0.449%
27	21.739	3210	3217	3225	rVB	291954	463576	23.03%	5.619%
28	23.437	3500	3506	3511	rVB3	12319	22598	1.12%	0.274%
29	25.006	3762	3773	3784	rVB	149517	418487	20.79%	5.072%

Sum of corrected areas: 8250824

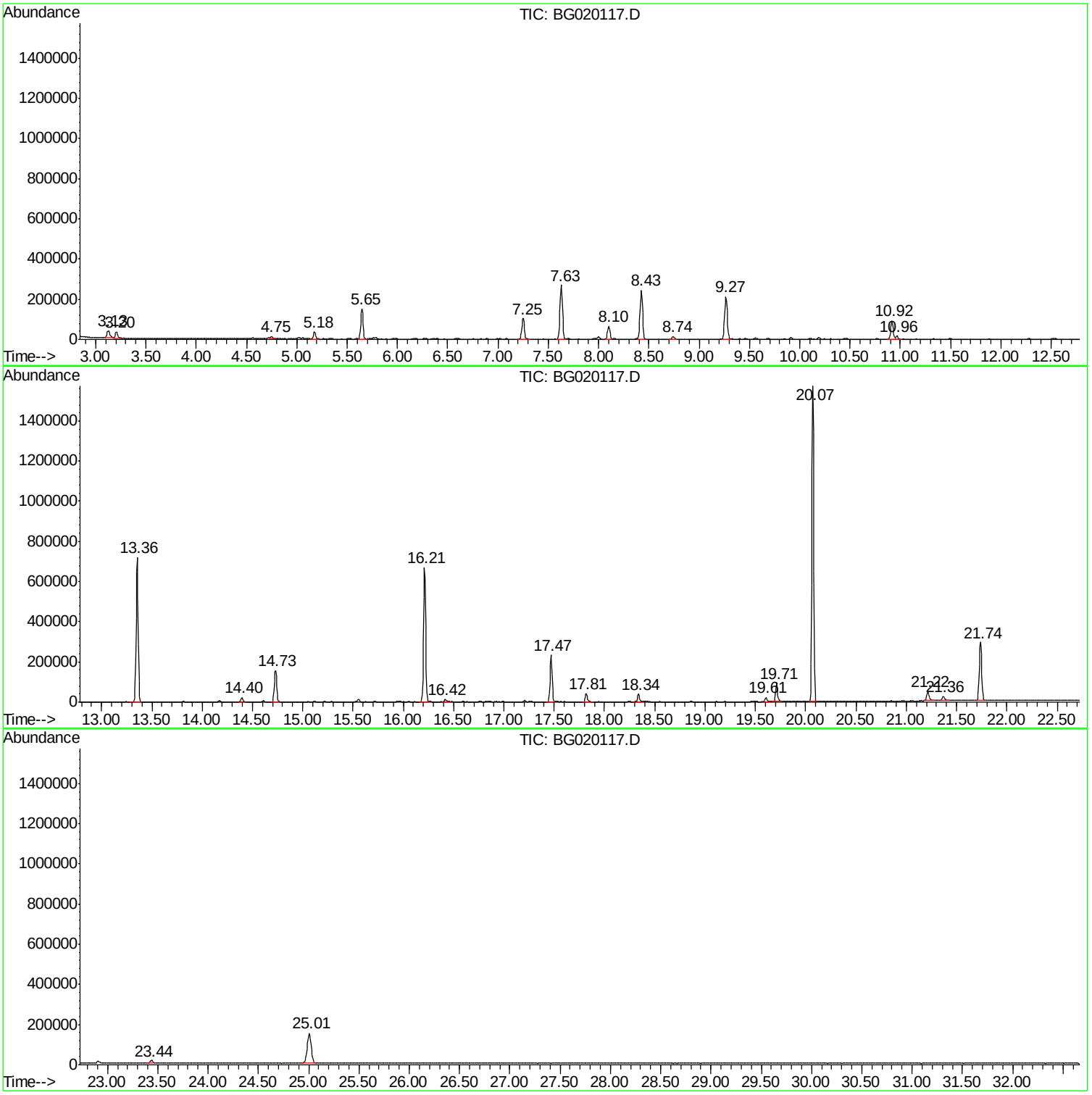
LSC Report - Integrated Chromatogram

Data Path : Z:\HPCHEM1\BNA G\DATA\BG121215\
Data File : BG020117.D
Acq On : 11 Dec 2015 22:04
Operator : UM/SJ
Sample : G4729-14
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : W-52

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG120215.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\BG121215\
Data File : BG020117.D
Acq On : 11 Dec 2015 22:04
Operator : UM/SJ
Sample : G4729-14
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : W-52

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG120215.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

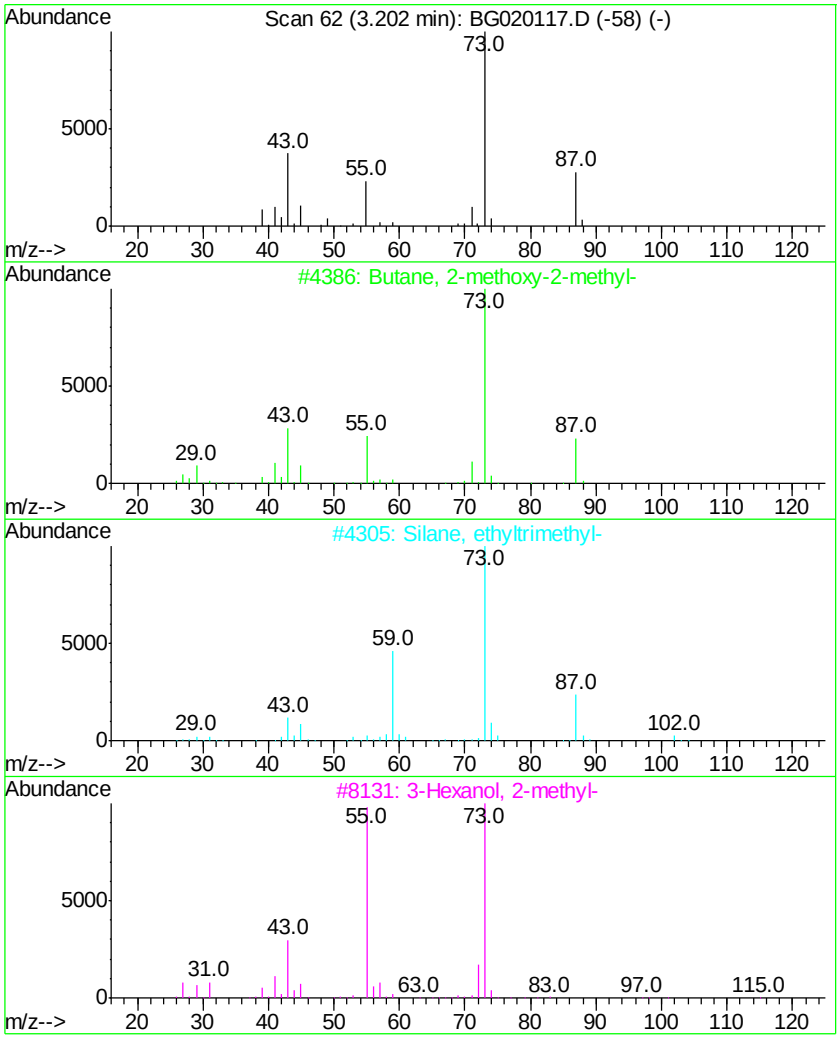
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

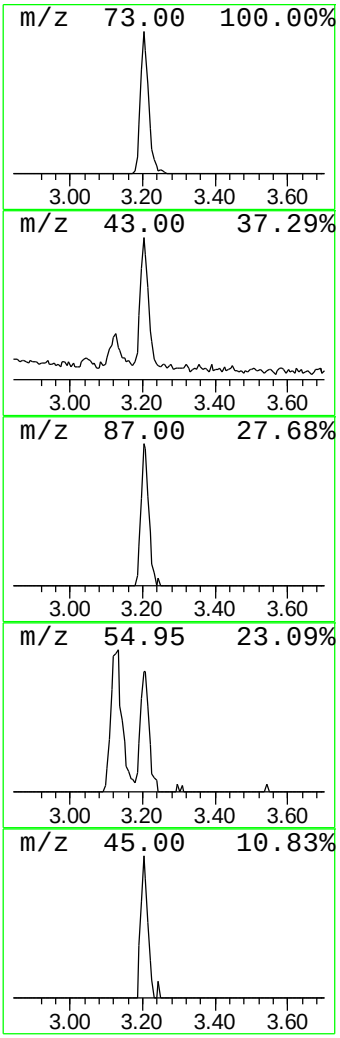
****

Peak Number 2 Butane, 2-methoxy-2-methyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.20	8.80 ng	48013	1,4-Dichlorobenzene-d4	8.10

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane, 2-methoxy-2-methyl-	102	C6H14O	000994-05-8	78
2	Silane, ethyltrimethyl-	102	C5H14Si	003439-38-1	33
3	3-Hexanol, 2-methyl-	116	C7H16O	000617-29-8	23
4	Pentane, 3-methoxy-	102	C6H14O	036839-67-5	10
5	N-Ethylformamide	73	C3H7NO	000627-45-2	9





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG121215\
Data File : BG020117.D
Acq On : 11 Dec 2015 22:04
Operator : UM/SJ
Sample : G4729-14
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : W-52

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG120215.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

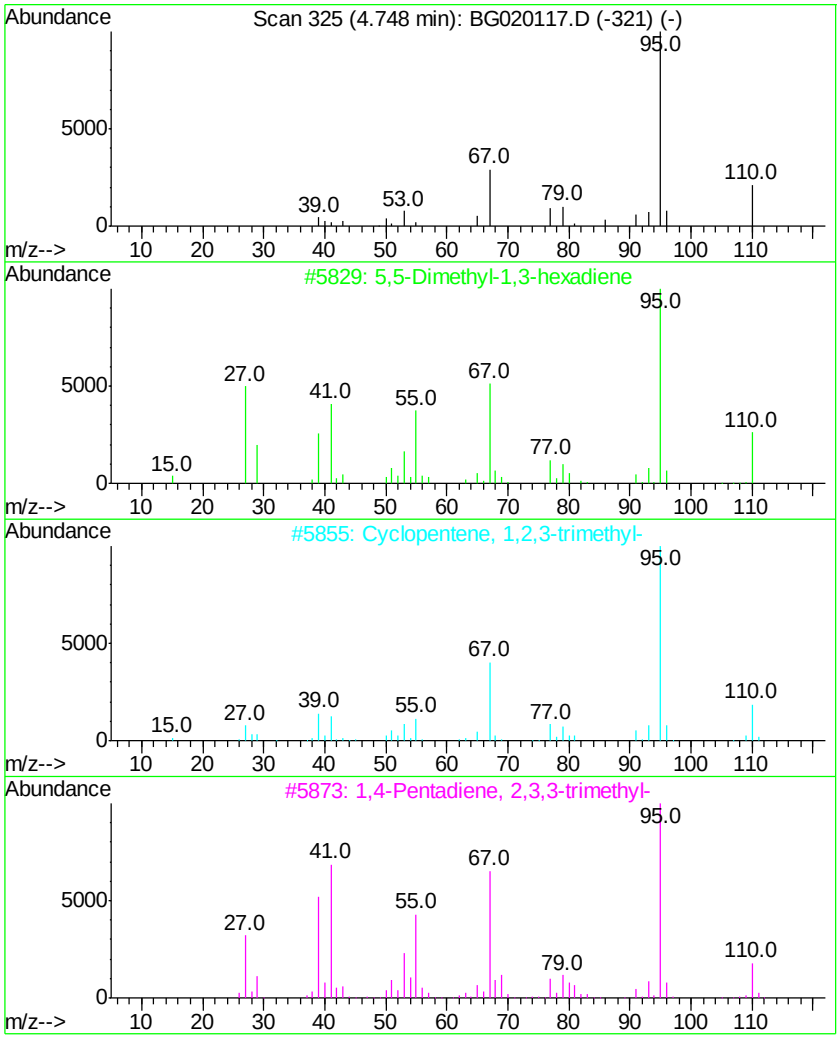
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

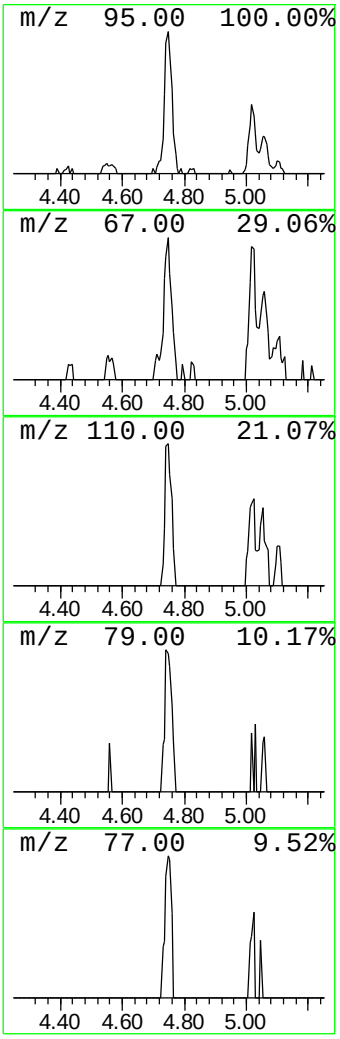
****

Peak Number 3 5,5-Dimethyl-1,3-hexadiene Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.75	3.80 ng	20765	1,4-Dichlorobenzene-d4	8.10

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	5,5-Dimethyl-1,3-hexadiene	110	C8H14	001515-79-3	80
2	Cyclopentene, 1,2,3-trimethyl-	110	C8H14	000473-91-6	80
3	1,4-Pentadiene, 2,3,3-trimethyl-	110	C8H14	000756-02-5	78
4	Bicyclo[3.1.0]hexane, 1,5-dimethyl-	110	C8H14	1000142-17-5	72
5	1,3-Dimethyl-1-cyclohexene	110	C8H14	002808-76-6	64





Data Path : Z:\HPCHEM1\BNA G\DATA\BG121215\
Data File : BG020117.D
Acq On : 11 Dec 2015 22:04
Operator : UM/SJ
Sample : G4729-14
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : W-52

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG120215.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

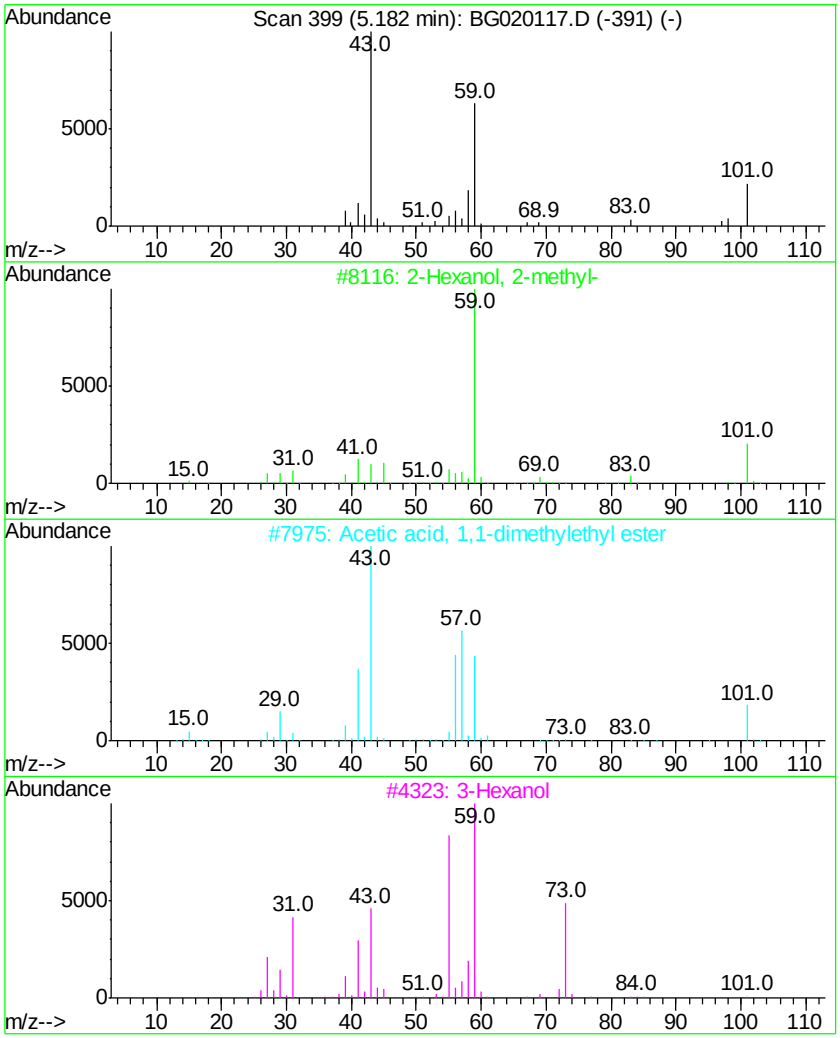
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

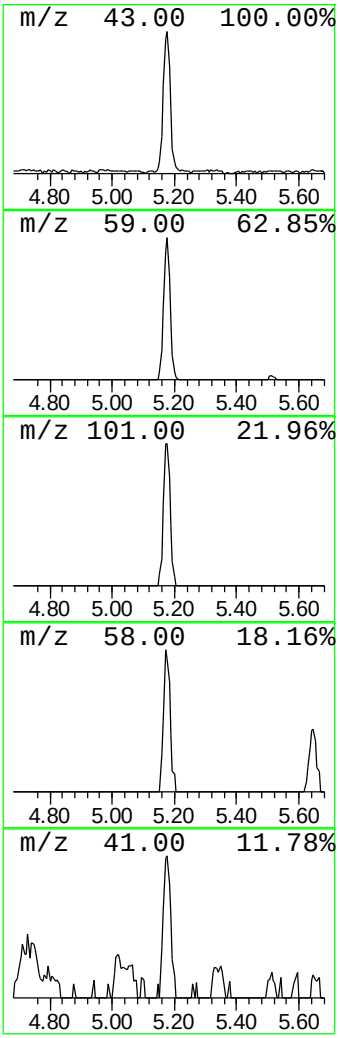
****

Peak Number 4 unknown5.18 Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.18	10.07 ng	54980	1,4-Dichlorobenzene-d4	8.10

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Hexanol, 2-methyl-	116	C7H16O	000625-23-0	33
2	Acetic acid, 1,1-dimethylethyl e...	116	C6H12O2	000540-88-5	28
3	3-Hexanol	102	C6H14O	000623-37-0	25
4	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	17
5	Butane, 1-ethoxy-	102	C6H14O	000628-81-9	16





Data Path : Z:\HPCHEM1\BNA G\DATA\BG121215\
Data File : BG020117.D
Acq On : 11 Dec 2015 22:04
Operator : UM/SJ
Sample : G4729-14
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : W-52

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG120215.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

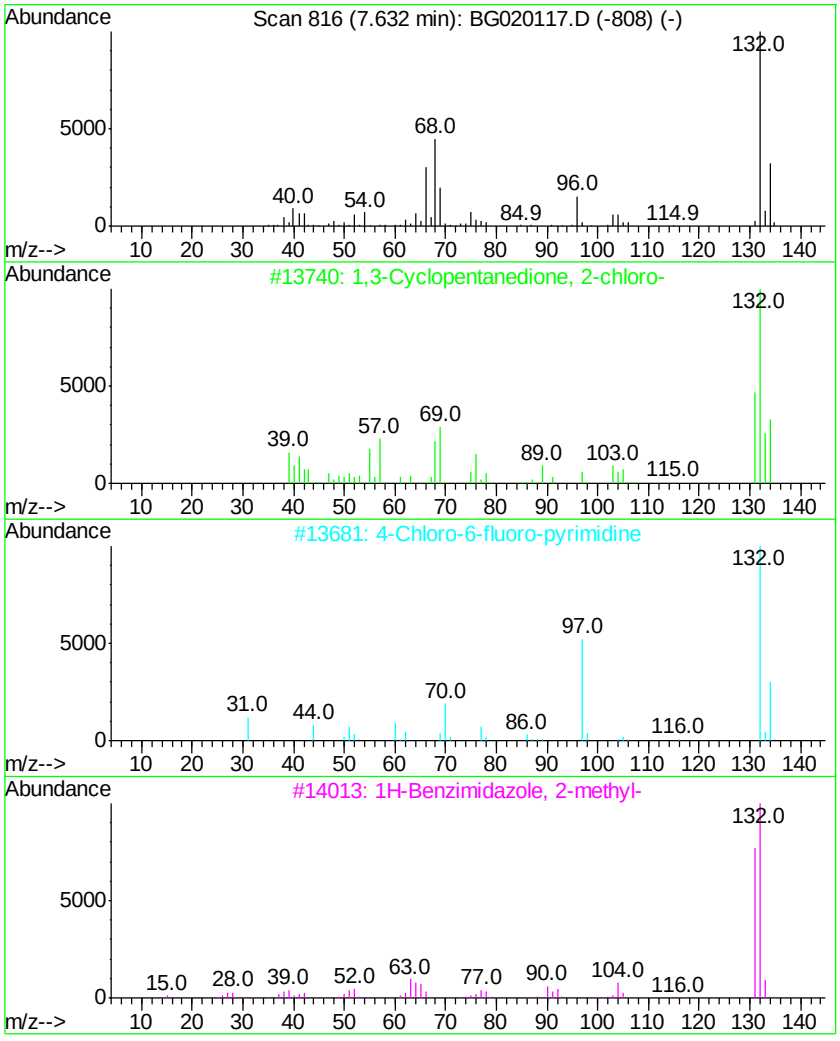
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

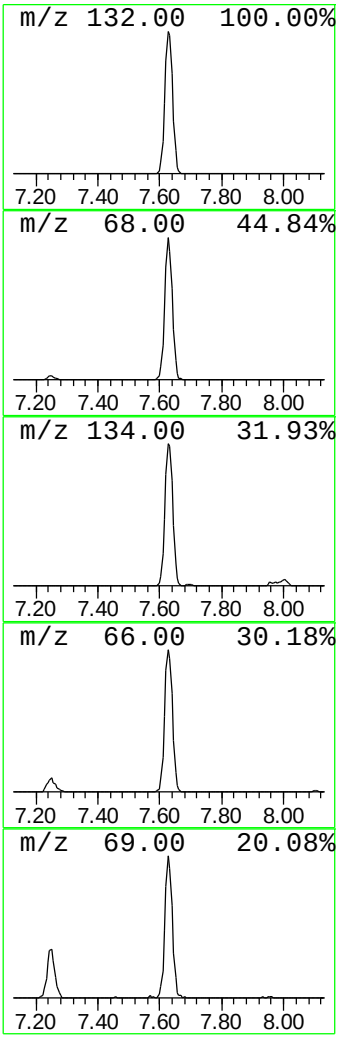
****

Peak Number 5 unknown7.63 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.63	84.01 ng	458499	1,4-Dichlorobenzene-d4	8.10

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,3-Cyclopentanedione, 2-chloro-	132	C5H5ClO2	014203-19-1	35
2	4-Chloro-6-fluoro-pyrimidine	132	C4H2ClFN2	051422-01-6	27
3	1H-Benzimidazole, 2-methyl-	132	C8H8N2	000615-15-6	22
4	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	16
5	5-Fluoro-2-chloropyrimidine	132	C4H2ClFN2	062802-42-0	12





Data Path : Z:\HPCHEM1\BNA G\DATA\BG121215\
Data File : BG020117.D
Acq On : 11 Dec 2015 22:04
Operator : UM/SJ
Sample : G4729-14
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : W-52

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG120215.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

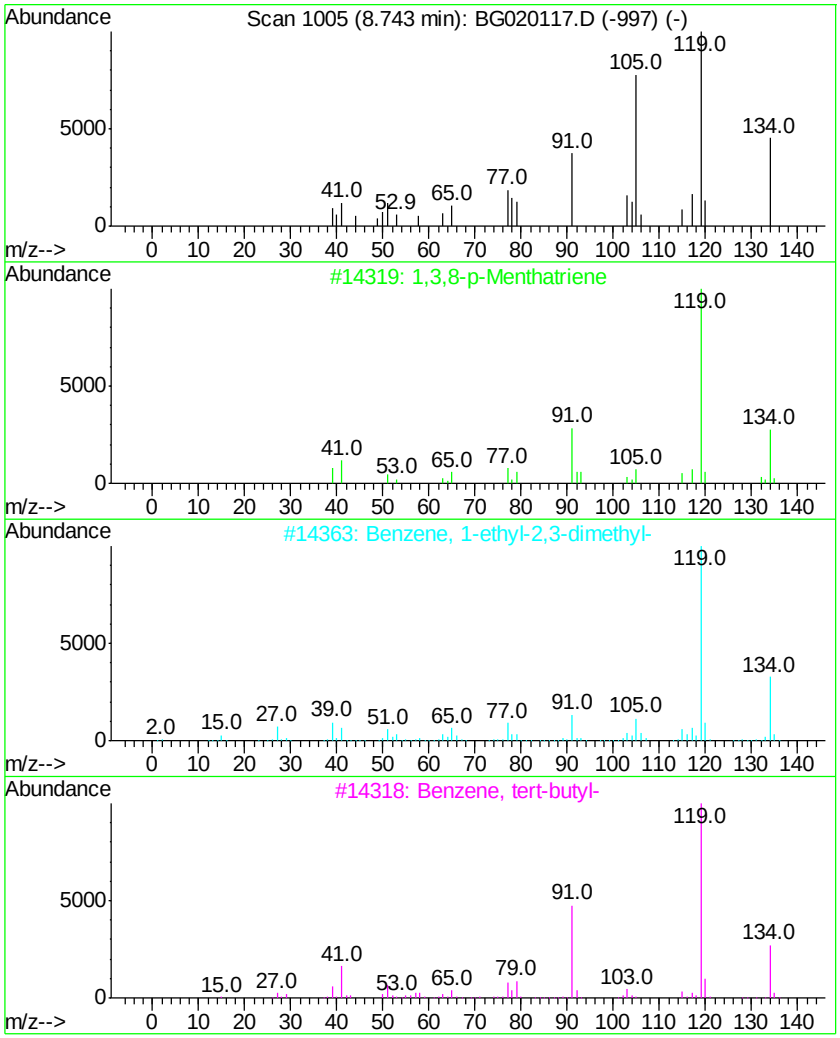
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

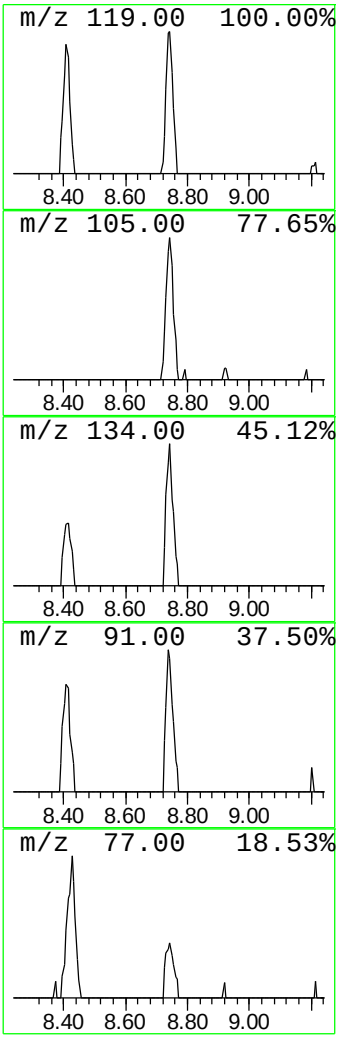
****

Peak Number 7 1,3,8-p-Menthatriene Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.74	3.78 ng	20633	1,4-Dichlorobenzene-d4	8.10

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,3,8-p-Menthatriene	134	C10H14	021195-59-5	59
2	Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	59
3	Benzene, tert-butyl-	134	C10H14	000098-06-6	53
4	Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	53
5	Benzene, 1-methyl-4-(1-methyleth...	134	C10H14	000099-87-6	53





Data Path : Z:\HPCHEM1\BNA G\DATA\BG121215\
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Operator : UM/SJ
Sample : G4729-14
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : W-52

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG120215.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

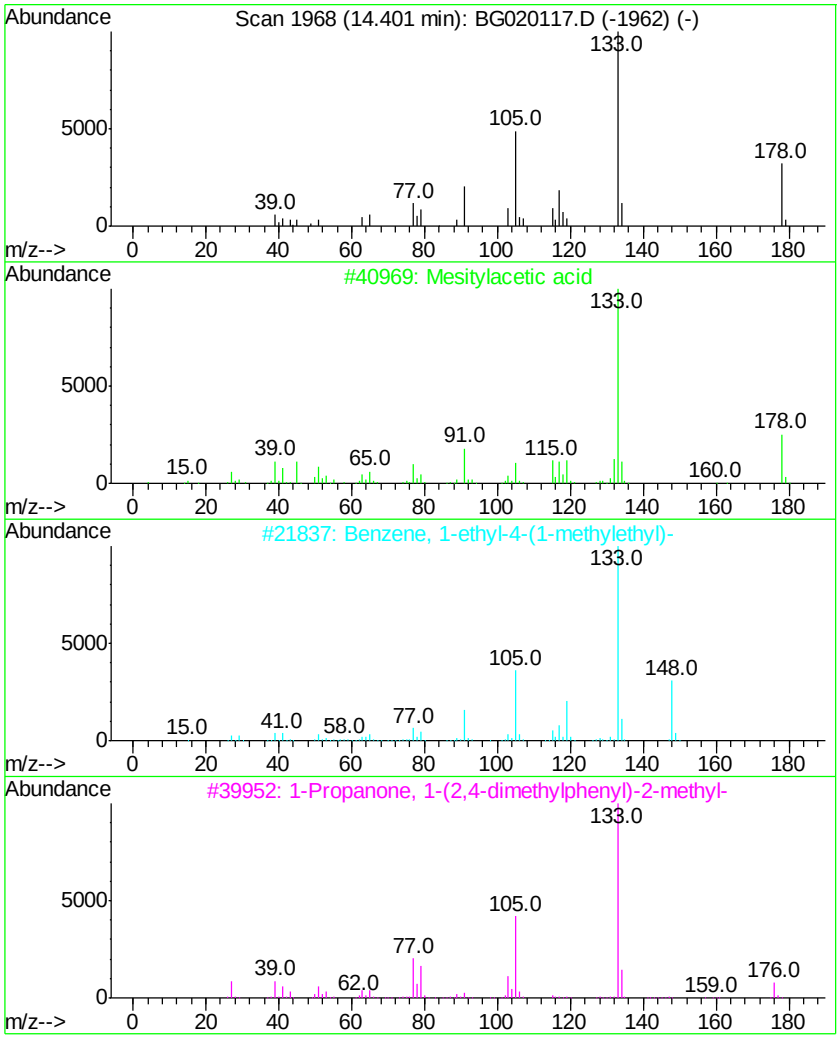
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

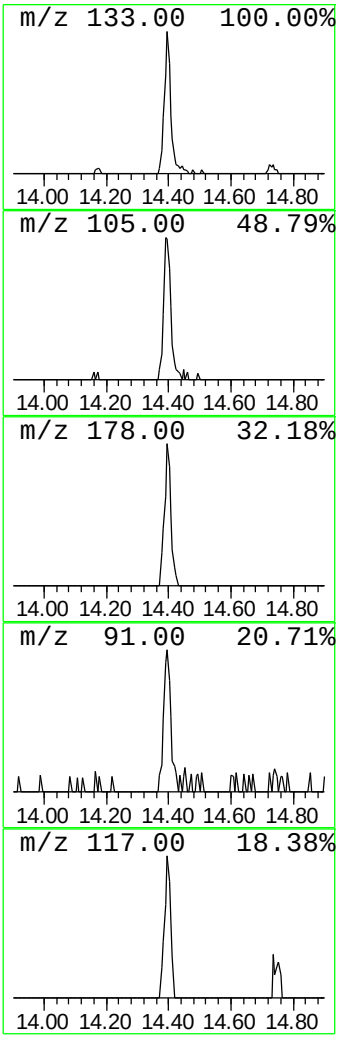
****

Peak Number 8 Mesitylacetic acid Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.40	2.62 ng	34381	Acenaphthene-d10	14.73

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Mesitylacetic acid	178	C11H14O2	004408-60-0	91
2	Benzene, 1-ethyl-4-(1-methylethyl)-	148	C11H16	004218-48-8	64
3	1-Propanone, 1-(2,4-dimethylphen...	176	C12H16O	023351-72-6	59
4	4-tert-Butyltoluene	148	C11H16	000098-51-1	59
5	Benzene, 1-ethyl-3-(1-methylethyl)-	148	C11H16	004920-99-4	59





Data Path : Z:\HPCHEM1\BNA G\DATA\BG121215\
Data File : BG020117.D
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Sample : G4729-14
Misc :
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Instrument : BNA_G
ClientSampleId : W-52

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG120215.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

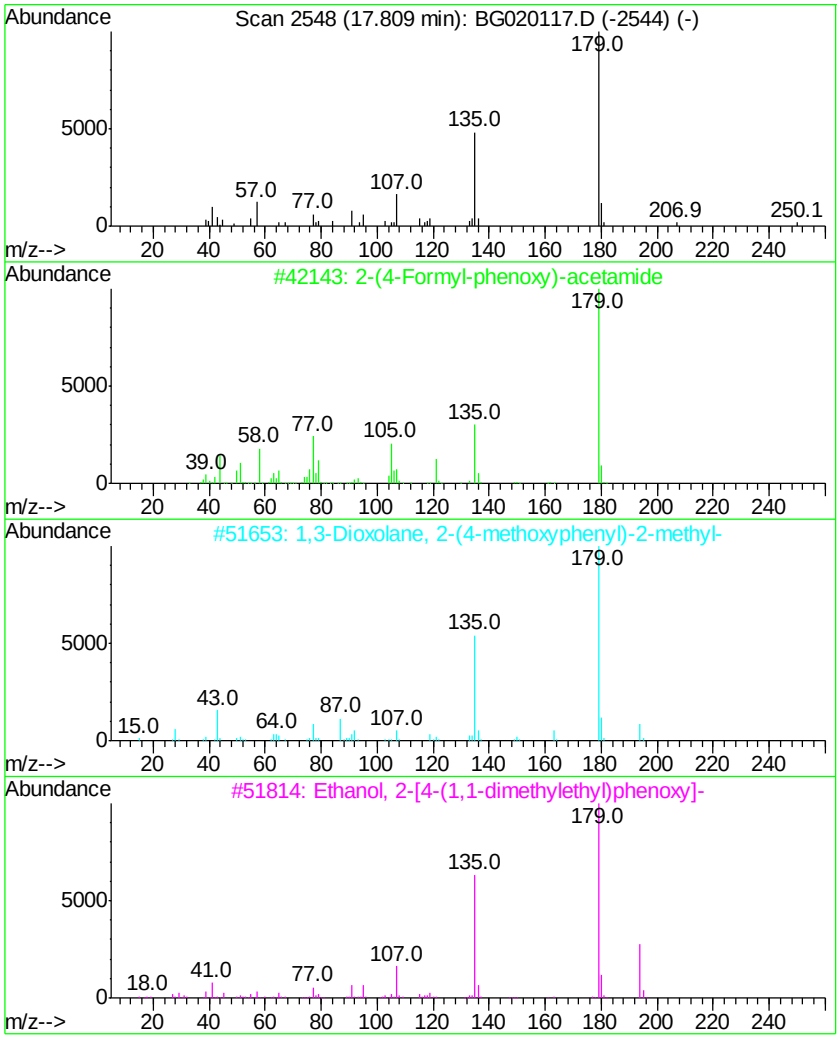
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

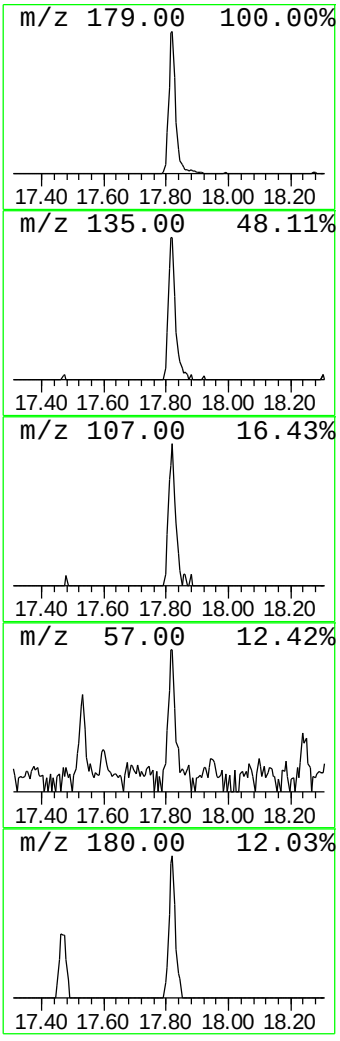
****

Peak Number 9 2-(4-Formyl-phenoxy)-acetamide Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.81	3.78 ng	66952	Phenanthrene-d10	17.47

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-(4-Formyl-phenoxy)-acetamide	179	C9H9NO3	135857-20-4	59
2	1,3-Dioxolane, 2-(4-methoxyphenyl...	194	C11H14O3	036881-00-2	50
3	Ethanol, 2-[4-(1,1-dimethylethyl...	194	C12H18O2	000713-46-2	47
4	2,4-Dimethoxyphenyl isocyanate	179	C9H9NO3	084370-87-6	38
5	Acetic acid, [2-[(2-propenylamin...	235	C12H13NO4	000119-45-9	38





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Data File : BG020117.D
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Instrument : BNA_G
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Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG120215.M
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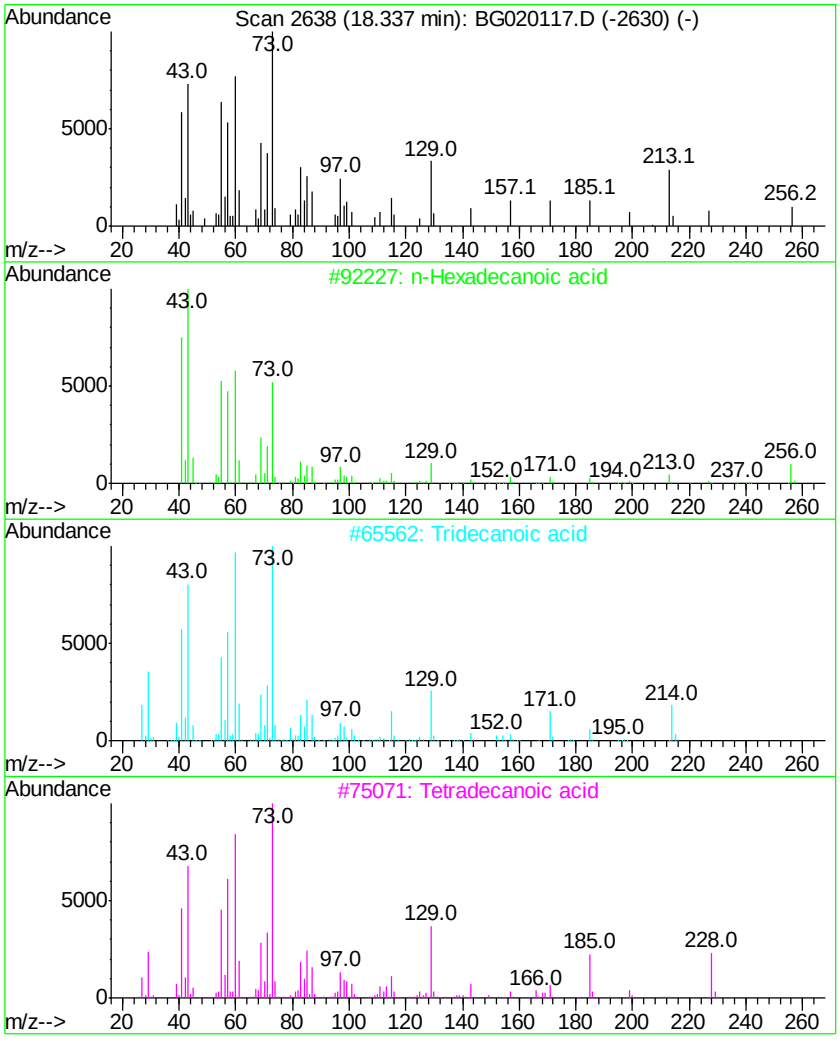
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

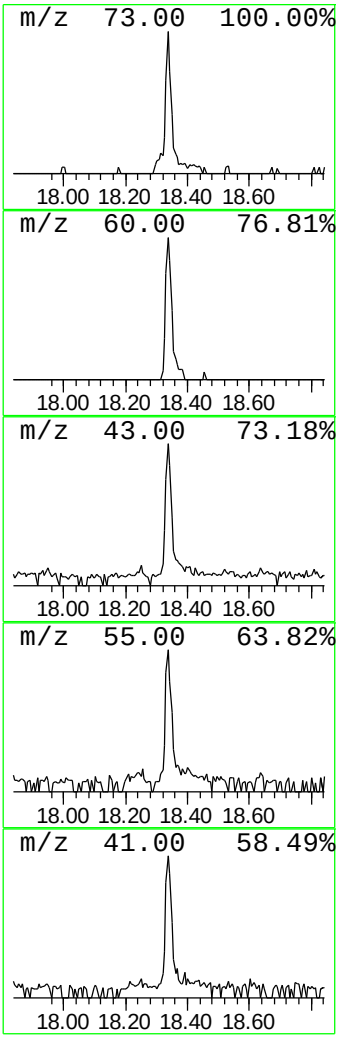
****

Peak Number 10 n-Hexadecanoic acid Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.34	3.18 ng	56334	Phenanthrene-d10	17.47

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	91
2	Tridecanoic acid	214	C13H26O2	000638-53-9	76
3	Tetradecanoic acid	228	C14H28O2	000544-63-8	68
4	Lactose	342	C12H22O11	000063-42-3	47
5	Undecanoic acid	186	C11H22O2	000112-37-8	47





Data Path : Z:\HPCHEM1\BNA G\DATA\BG121215\
Data File : BG020117.D
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Operator : UM/SJ
Sample : G4729-14
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : W-52

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG120215.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

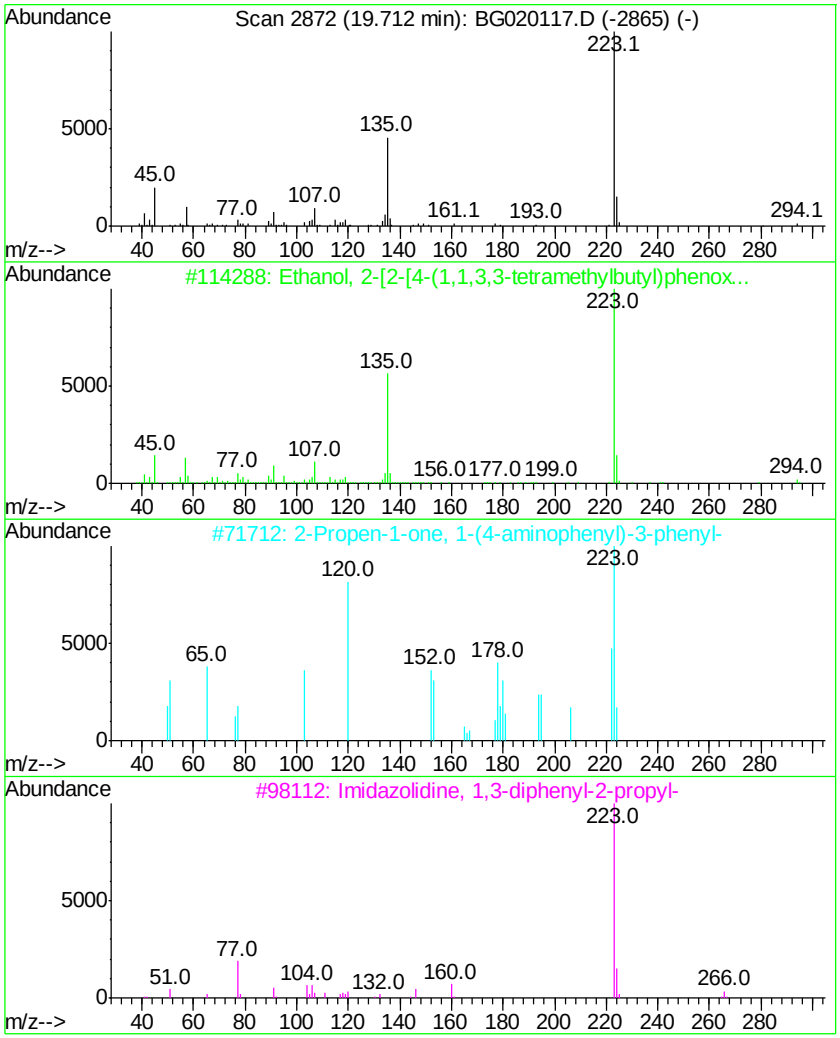
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

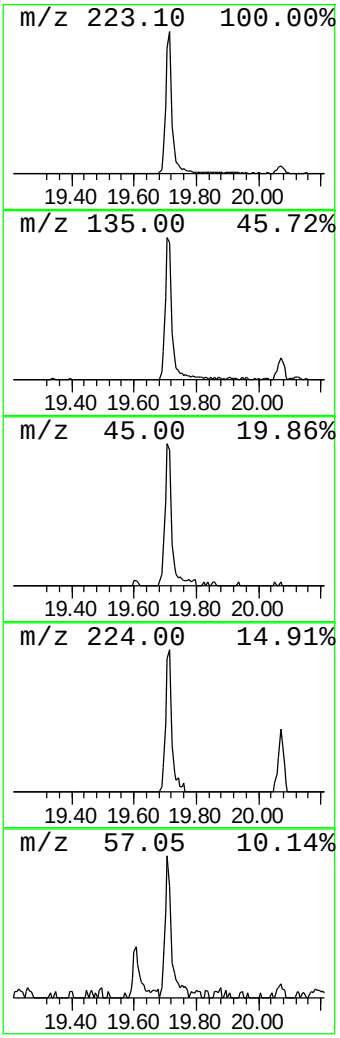
****

Peak Number 11 Ethanol, 2-[2-[4-(1,1,3,3-t... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.71	5.81 ng	134620	Chrysene-d12	21.74

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Ethanol, 2-[2-[4-(1,1,3,3-tetram...	294	C18H30O3	002315-61-9	94
2	2-Propen-1-one, 1-(4-aminophenyl...	223	C15H13NO	002403-30-7	43
3	Imidazolidine, 1,3-diphenyl-2-pr...	266	C18H22N2	055320-82-6	32
4	Benzenamine, N,N-dimethyl-4-(2-p...	223	C16H17N	000838-95-9	32
5	9-Acridinecarboxylic acid	223	C14H9NO2	005336-90-3	32





Data Path : Z:\HPCHEM1\BNA G\DATA\BG121215\
Data File : BG020117.D
Acq On : 11 Dec 2015 22:04
Operator : UM/SJ
Sample : G4729-14
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : W-52

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG120215.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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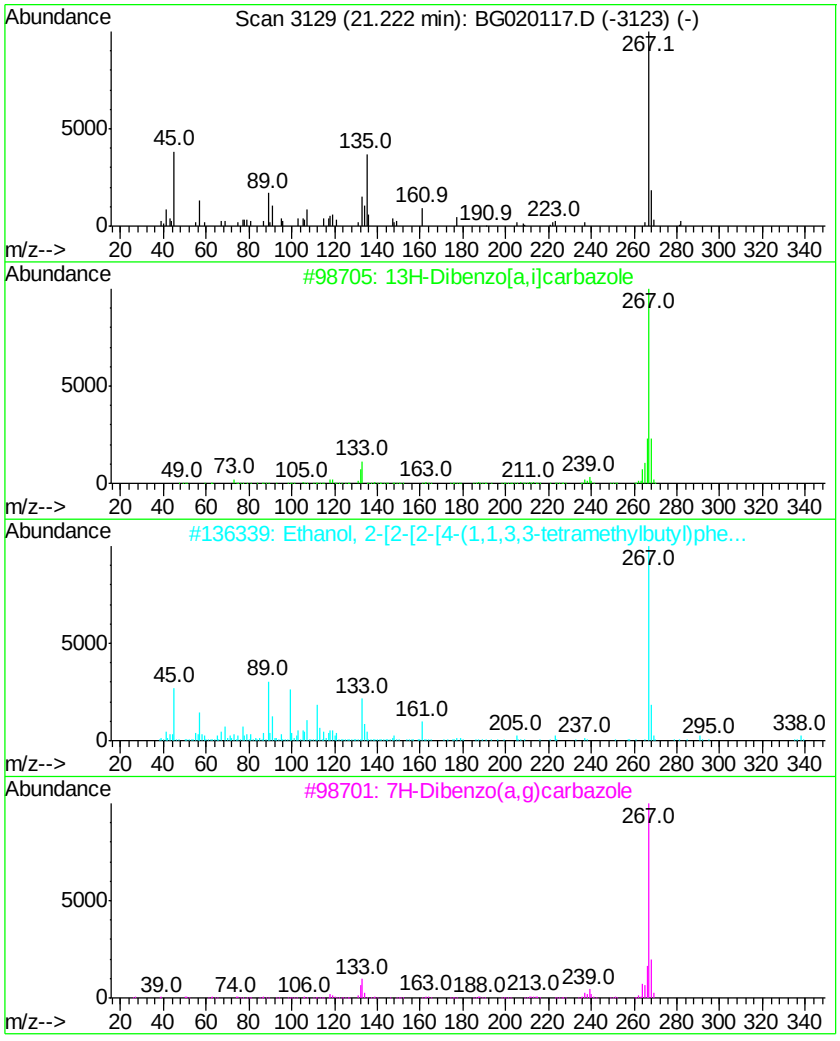
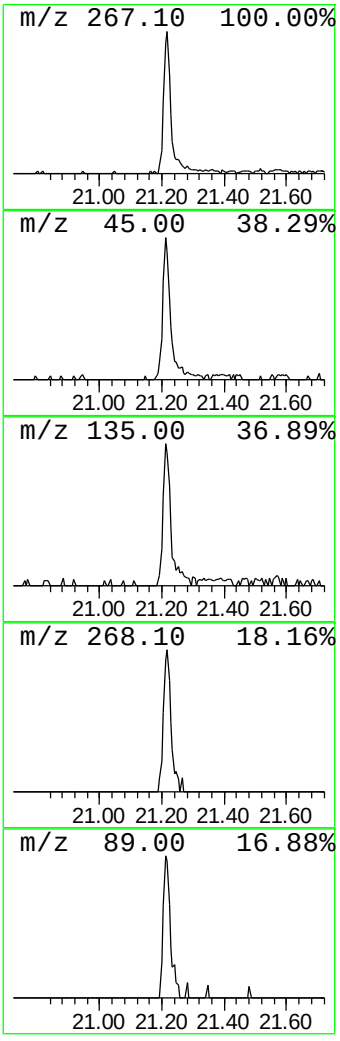
Peak Number 12 13H-Dibenzo[a,i]carbazole Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.22	3.30 ng	76409	Chrysene-d12	21.74

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	13H-Dibenzo[a,i]carbazole	267	C20H13N	000239-64-5	50
2	Ethanol, 2-[2-[2-[4-(1,1,3,3-tet...	338	C20H34O4	002315-62-0	50
3	7H-Dibenzo(a,g)carbazole	267	C20H13N	000207-84-1	38
4	5H-Naphtho[2,3-c]carbazole	267	C20H13N	000198-96-9	35
5	Pyrido[2,3-d]pyrimidin-5(8H)-one...	267	C15H13N3O2	1000260-26-0	32





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG121215\
Data File : BG020117.D
Acq On : 11 Dec 2015 22:04
Operator : UM/SJ
Sample : G4729-14
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : W-52

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG120215.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...	3.20	8.8	ng	48013	1	8.10	109154	20.0
5,5-Dimethyl-1,3-...	4.75	3.8	ng	20765	1	8.10	109154	20.0
unknown5.18	5.18	10.1	ng	54980	1	8.10	109154	20.0
unknown7.63	7.63	84.0	ng	458499	1	8.10	109154	20.0
1,3,8-p-Menthatriene	8.74	3.8	ng	20633	1	8.10	109154	20.0
Mesitylacetic acid	14.40	2.6	ng	34381	3	14.73	262805	20.0
2-(4-Formyl-pheno...	17.81	3.8	ng	66952	4	17.47	354330	20.0
n-Hexadecanoic acid	18.34	3.2	ng	56334	4	17.47	354330	20.0
Ethanol, 2-[2-[4-...	19.71	5.8	ng	134620	5	21.74	463576	20.0
13H-Dibenzo[a,i]c...	21.22	3.3	ng	76409	5	21.74	463576	20.0