LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG062016\
Data File : BG022454.D
Acq On : 20 Jun 2016 23:41
Operator : UM/SJ
Sample : H3679-02
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : W-44

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-BG060616.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	5.043	368	375	382	rBV	9790	18641	1.36%	0.249%
2	5.543	454	460	471	rBV	110301	219073	15.95%	2.926%
3	7.182	732	739	752	rBV	74572	166969	12.15%	2.230%
4	7.523	787	797	814	rBV	257709	512958	37.34%	6.851%
5	7.987	869	876	888	rVB	64995	127895	9.31%	1.708%
6	8.310	922	931	944	rBV	233722	450621	32.80%	6.018%
7	9.162	1069	1076	1090	rBV	168338	357859	26.05%	4.779%
8	10.807	1348	1356	1367	rBV	99650	212342	15.46%	2.836%
9	11.212	1421	1425	1434	rVB7	5787	14620	1.06%	0.195%
10	11.917	1543	1545	1555	rVB7	9729	19118	1.39%	0.255%
11	12.047	1558	1567	1573	rVB4	9131	23440	1.71%	0.313%
12	12.129	1574	1581	1589	rBV5	17950	44941	3.27%	0.600%
13	12.352	1615	1619	1628	rBV10	8155	17970	1.31%	0.240%
14	12.493	1638	1643	1650	rVV7	11963	23742	1.73%	0.317%
15	12.570	1652	1656	1660	rVB5	9146	15506	1.13%	0.207%
16	12.746	1681	1686	1691	rVB9	8881	16241	1.18%	0.217%
17	12.863	1698	1706	1707	rBV8	9841	20102	1.46%	0.268%
18	12.981	1720	1726	1733	rVB7	17629	41937	3.05%	0.560%
19	13.046	1733	1737	1746	rBV10	12862	33844	2.46%	0.452%
20	13.163	1752	1757	1765	rVB9	14723	32407	2.36%	0.433%
21	13.251	1765	1772	1779	rBV	647994	1121802	81.65%	14.982%
22	13.304	1779	1781	1786	rVB6	14174	21841	1.59%	0.292%
23	13.610	1827	1833	1838	rBV10	7755	21853	1.59%	0.292%
24	13.974	1891	1895	1899	rVB3	20386	29785	2.17%	0.398%
25	14.033	1900	1905	1909	rVB4	16517	28342	2.06%	0.379%
26	14.232	1934	1939	1944	rBV8	15025	30687	2.23%	0.410%
27	14.632	2001	2007	2015	rVB2	181170	318786	23.20%	4.258%
28	15.237	2107	2110	2117	rVB9	12191	23724	1.73%	0.317%
29	15.889	2217	2221	2224	rBV4	15795	27883	2.03%	0.372%
30	16.013	2238	2242	2251	rVB2	56018	115737	8.42%	1.546%
31	16.130	2255	2262	2277	rVB	465699	834022	60.70%	11.139%
32	17.382	2469	2475	2482	rBV	223525	352822	25.68%	4.712%
33	17.722	2529	2533	2539	rBV3	17350	28451	2.07%	0.380%
34	19.802	2883	2887	2896	rVB	60580	100489	7.31%	1.342%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG062016\
Data File : BG022454.D
Acq On : 20 Jun 2016 23:41
Operator : UM/SJ
Sample : H3679-02
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : W-44

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-BG060616.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	19.979	2911	2917	2924	rBV	974868	1373897	100.00%	18.349%
36	21.635	3193	3199	3208	rBV	199711	368628	26.83%	4.923%
37	24.843	3736	3745	3756	rVB3	110430	318520	23.18%	4.254%

Sum of corrected areas: 7487495

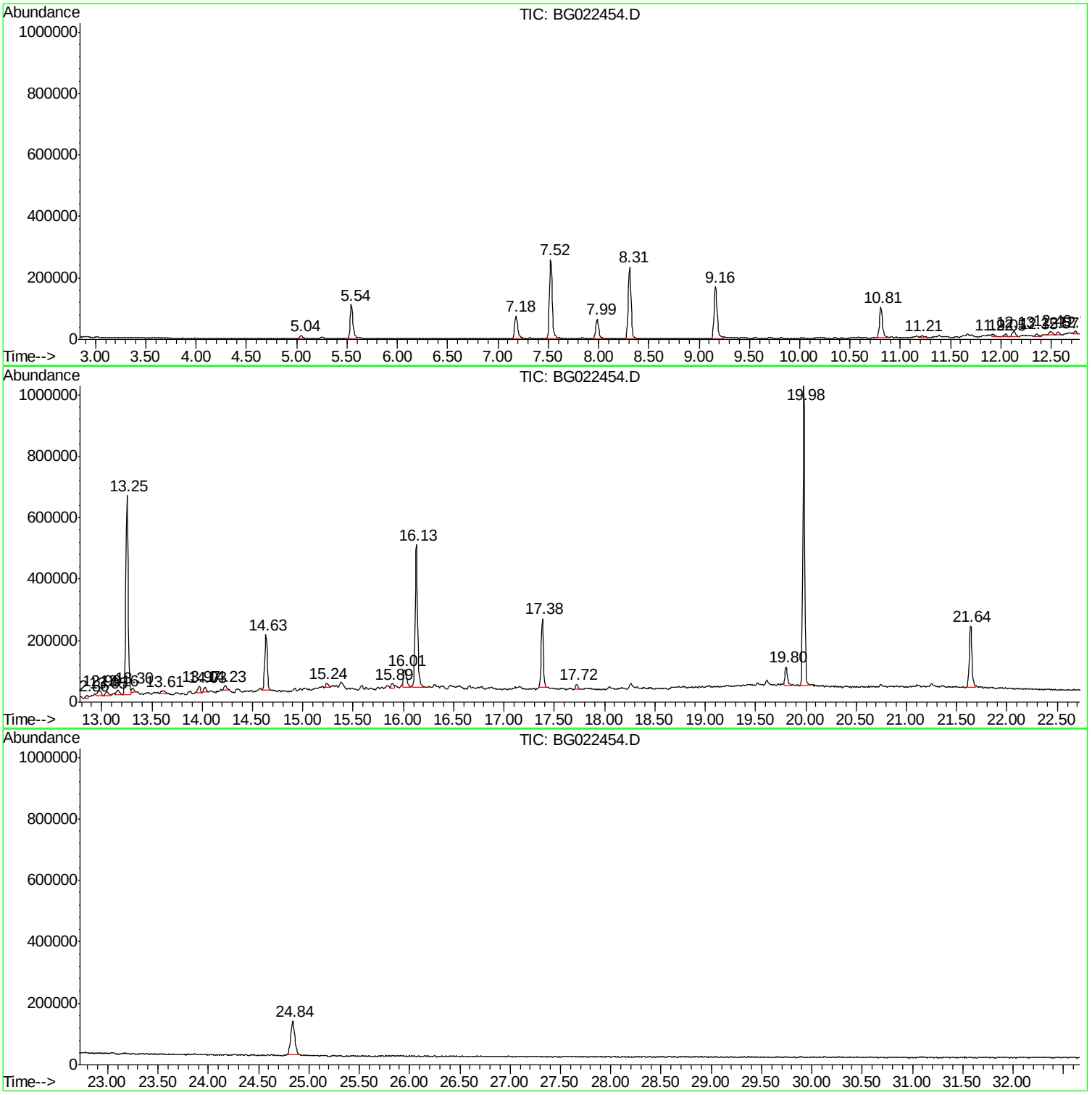
LSC Report - Integrated Chromatogram

Data Path : Z:\HPCHEM1\BNA G\DATA\BG062016\
Data File : BG022454.D
Acq On : 20 Jun 2016 23:41
Operator : UM/SJ
Sample : H3679-02
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : W-44

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG060616.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\BG062016\
Data File : BG022454.D
Acq On : 20 Jun 2016 23:41
Operator : UM/SJ
Sample : H3679-02
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : W-44

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG060616.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

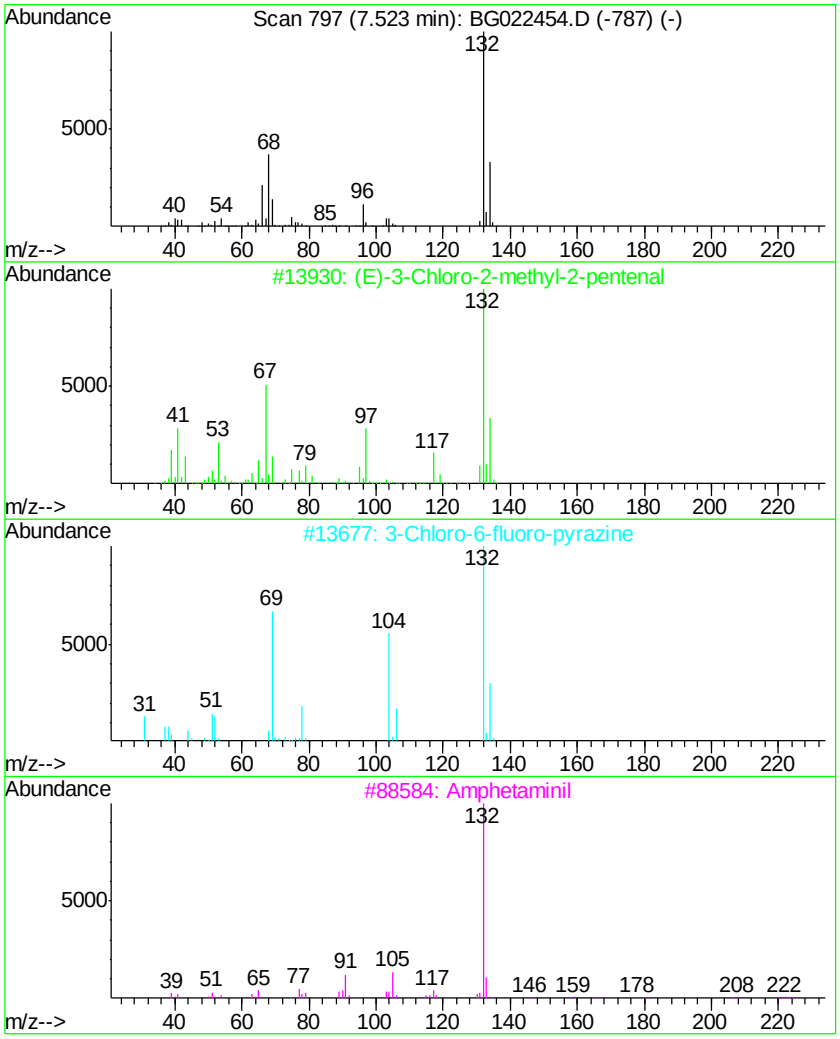
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

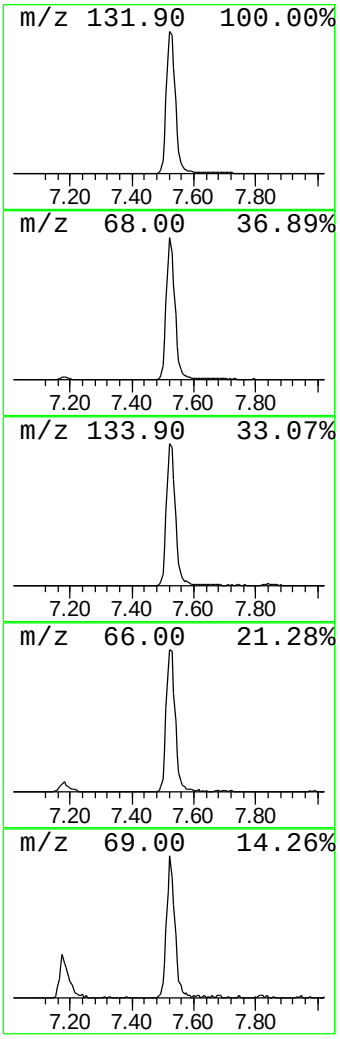
****

Peak Number 2 unknown7.52 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.52	80.22 ng	512958	1,4-Dichlorobenzene-d4	7.99

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	(E)-3-Chloro-2-methyl-2-pentenal	132	C6H9ClO	031357-76-3	35
2	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	25
3	Amphetaminil	250	C17H18N2	017590-01-1	12
4	Tranylcypromine-propionyl	189	C12H15NO	1000123-86-3	12
5	Benzene, 1,3,5-trifluoro-	132	C6H3F3	000372-38-3	9





Data Path : Z:\HPCHEM1\BNA G\DATA\BG062016\
Data File : BG022454.D
Acq On : 20 Jun 2016 23:41
Operator : UM/SJ
Sample : H3679-02
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : W-44

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG060616.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

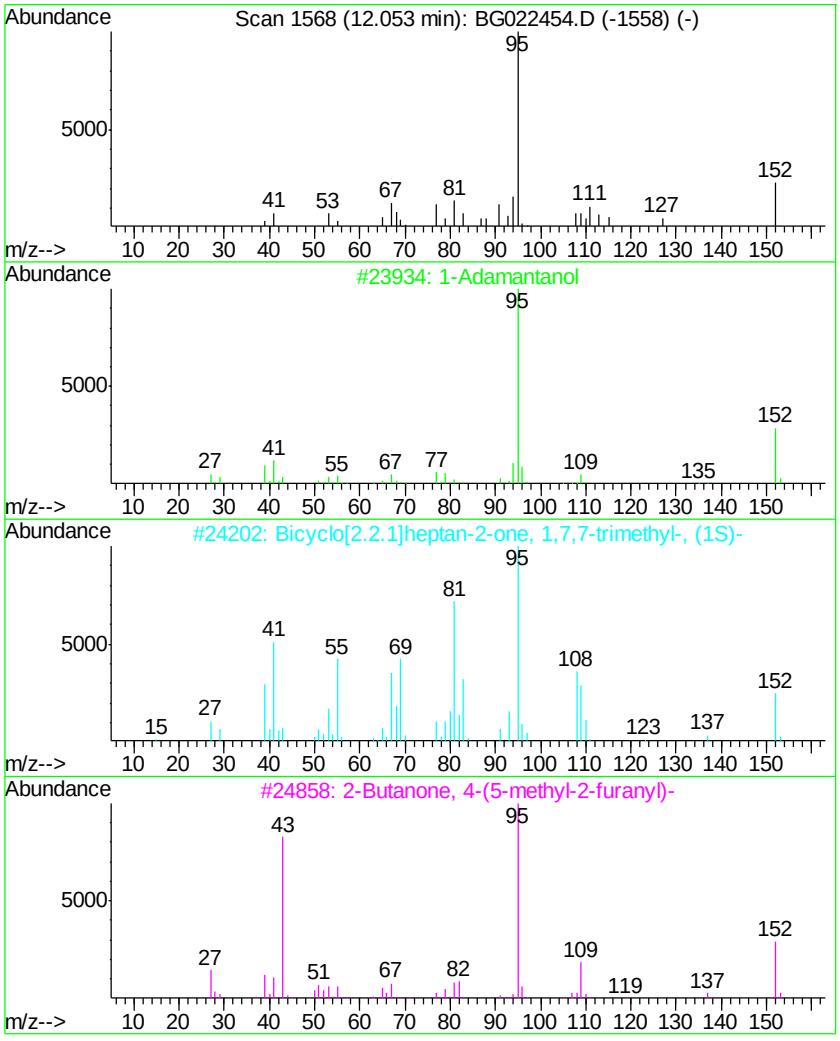
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

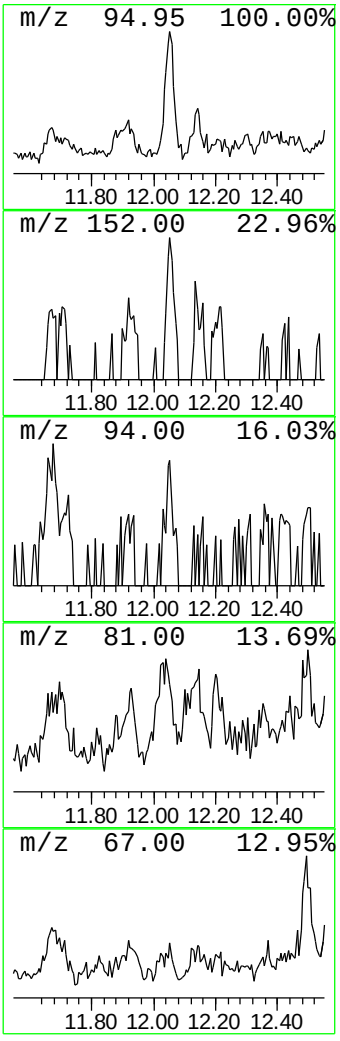
****

Peak Number 4 1-Adamantanol Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.05	2.21 ng	23440	Naphthalene-d8	10.81

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Adamantanol	152	C10H16O	000768-95-6	64
2	Bicyclo[2.2.1]heptan-2-one, 1,7,...	152	C10H16O	000464-48-2	50
3	2-Butanone, 4-(5-methyl-2-furanyl)-	152	C9H12O2	013679-56-6	42
4	Bicyclo[2.2.1]heptan-2-one, 1,7,...	152	C10H16O	021368-68-3	40
5	Bicyclo[2.2.1]heptan-2-one, 1,7,...	152	C10H16O	000464-49-3	40





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG062016\
Data File : BG022454.D
Acq On : 20 Jun 2016 23:41
Operator : UM/SJ
Sample : H3679-02
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : W-44

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG060616.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

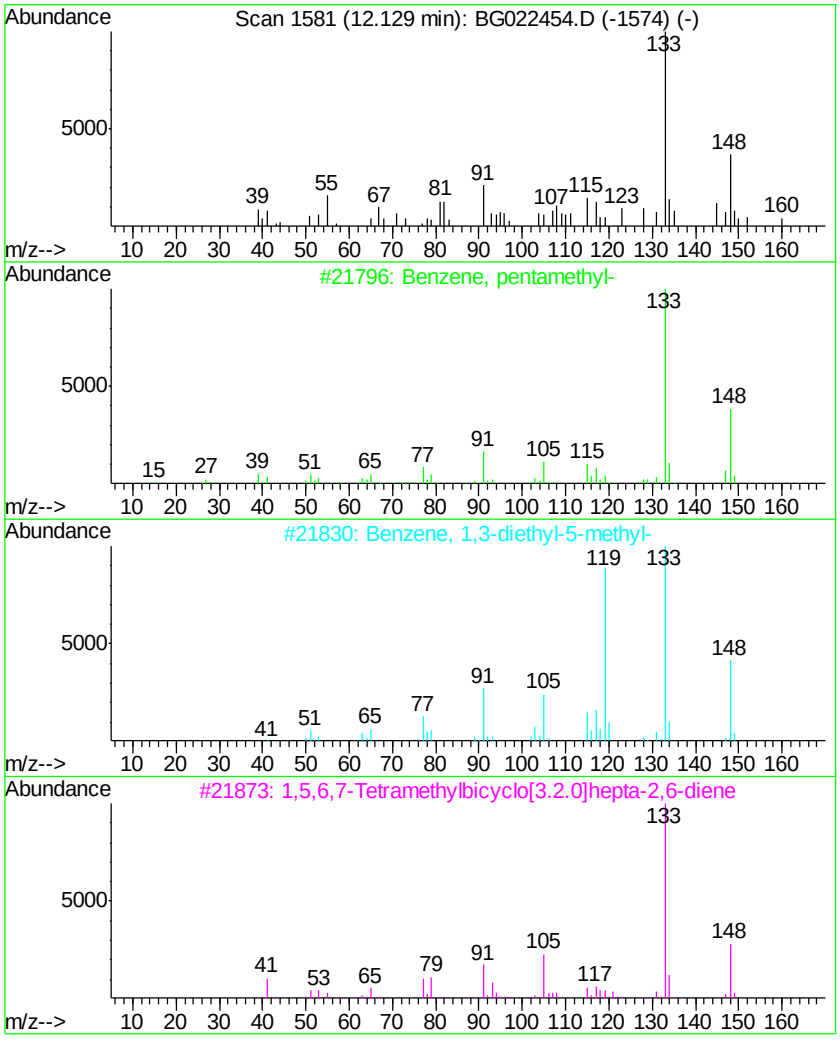
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

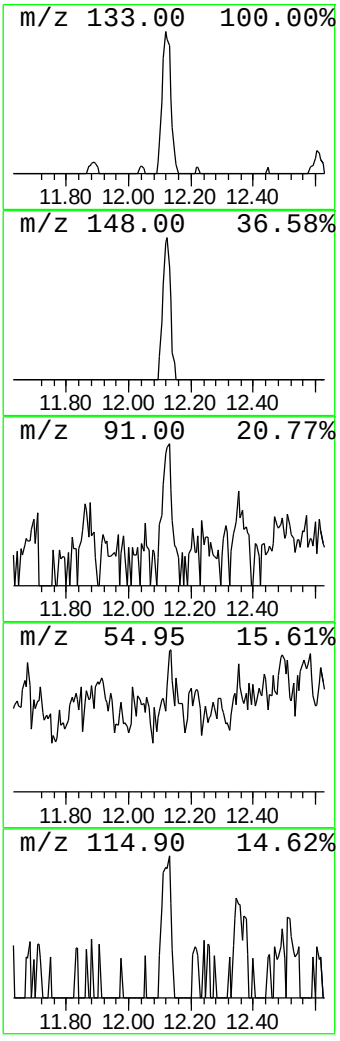
****

Peak Number 5 Benzene, pentamethyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.13	4.23 ng	44941	Naphthalene-d8	10.81

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, pentamethyl-	148	C11H16	000700-12-9	70
2	Benzene, 1,3-diethyl-5-methyl-	148	C11H16	002050-24-0	58
3	1,5,6,7-Tetramethylbicyclo[3.2.0...	148	C11H16	134329-46-7	58
4	2-tert-Butyltoluene	148	C11H16	001074-92-6	53
5	Benzene, 1-(1,1-dimethylethyl)-3...	148	C11H16	001075-38-3	53





Data Path : Z:\HPCHEM1\BNA G\DATA\BG062016\
Data File : BG022454.D
Acq On : 20 Jun 2016 23:41
Operator : UM/SJ
Sample : H3679-02
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : W-44

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG060616.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

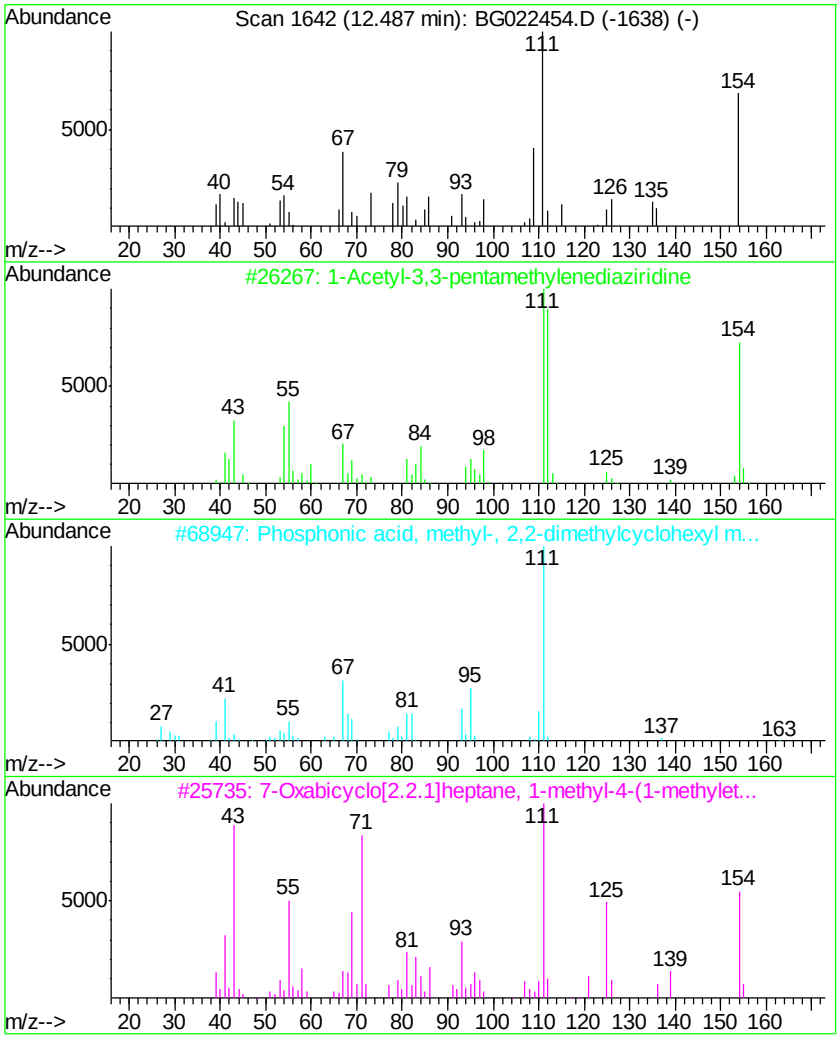
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

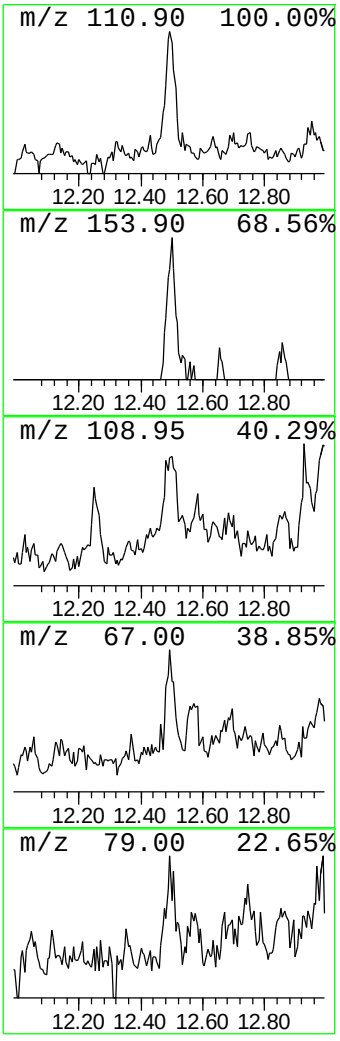
****

Peak Number 6 unknown12.49 Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.49	2.24 ng	23742	Naphthalene-d8	10.81

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Acetyl-3,3-pentamethylenediazi...	154	C8H14N2O	1000283-20-1	43
2	Phosphonic acid, methyl-, 2,2-di...	220	C10H21O3P	1000273-45-9	35
3	7-Oxabicyclo[2.2.1]heptane, 1-me...	154	C10H18O	000470-67-7	32
4	cis-1-Hydroxybicyclo[4.4.0]decane	154	C10H18O	003574-58-1	23
5	2-Thiophenecarboxylic acid, 1-cy...	224	C12H16O2S	1000278-88-4	17





Data Path : Z:\HPCHEM1\BNA G\DATA\BG062016\
Data File : BG022454.D
Acq On : 20 Jun 2016 23:41
Operator : UM/SJ
Sample : H3679-02
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : W-44

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG060616.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

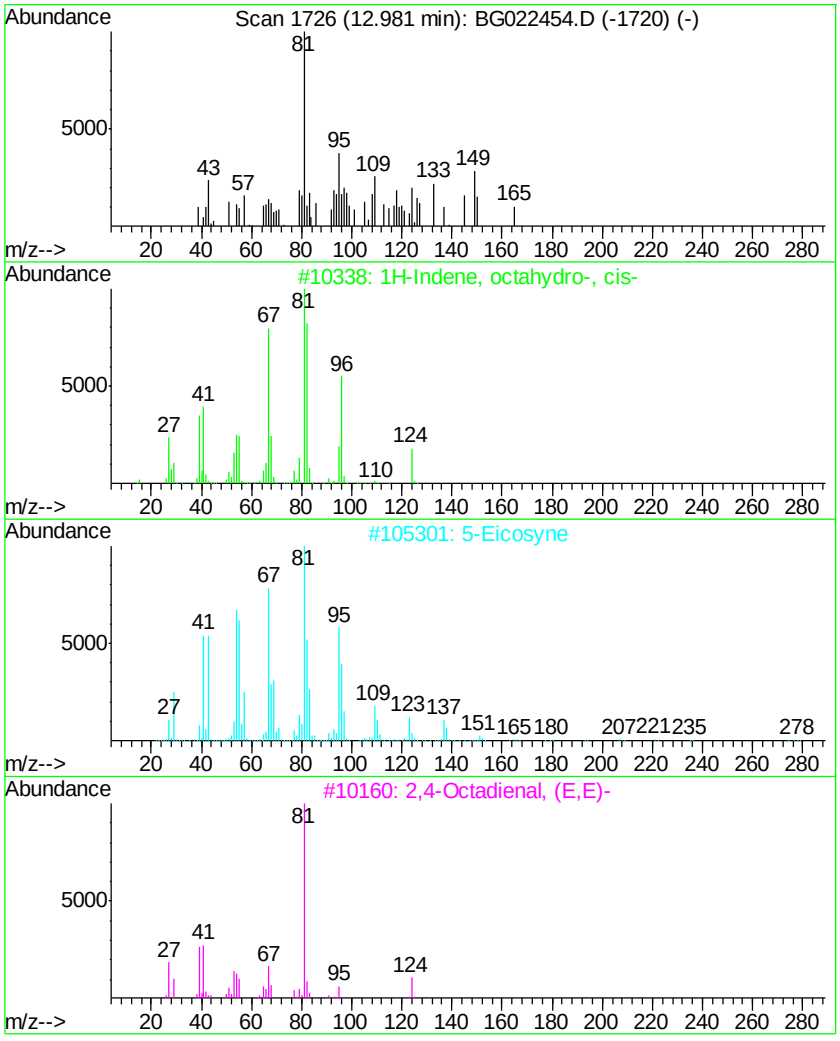
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

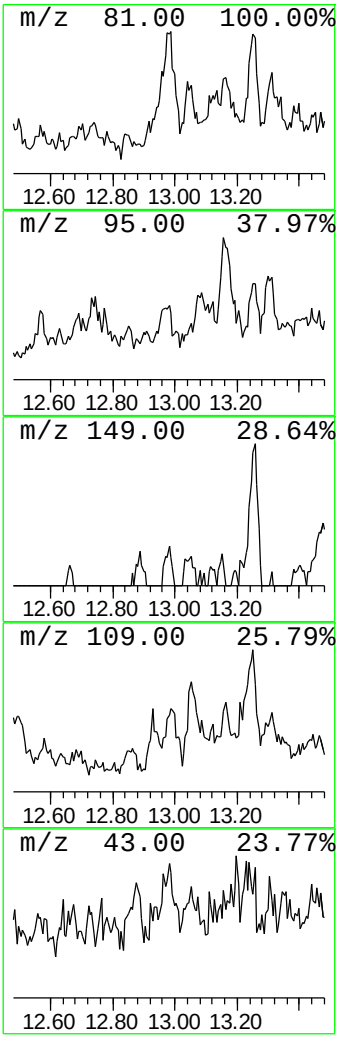
****

Peak Number 7 unknown12.98 Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.98	2.63 ng	41937	Acenaphthene-d10	14.63

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indene, octahydro-, cis-	124	C9H16	004551-51-3	43
2	5-Eicosyne	278	C20H38	074685-31-7	37
3	2,4-Octadienal, (E,E)-	124	C8H12O	030361-28-5	35
4	Cyclohexene,3-propyl-	124	C9H16	003983-06-0	32
5	1-Tridecyne	180	C13H24	026186-02-7	32





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Data File : BG022454.D
Acq On : 20 Jun 2016 23:41
Operator : UM/SJ
Sample : H3679-02
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : W-44

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG060616.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

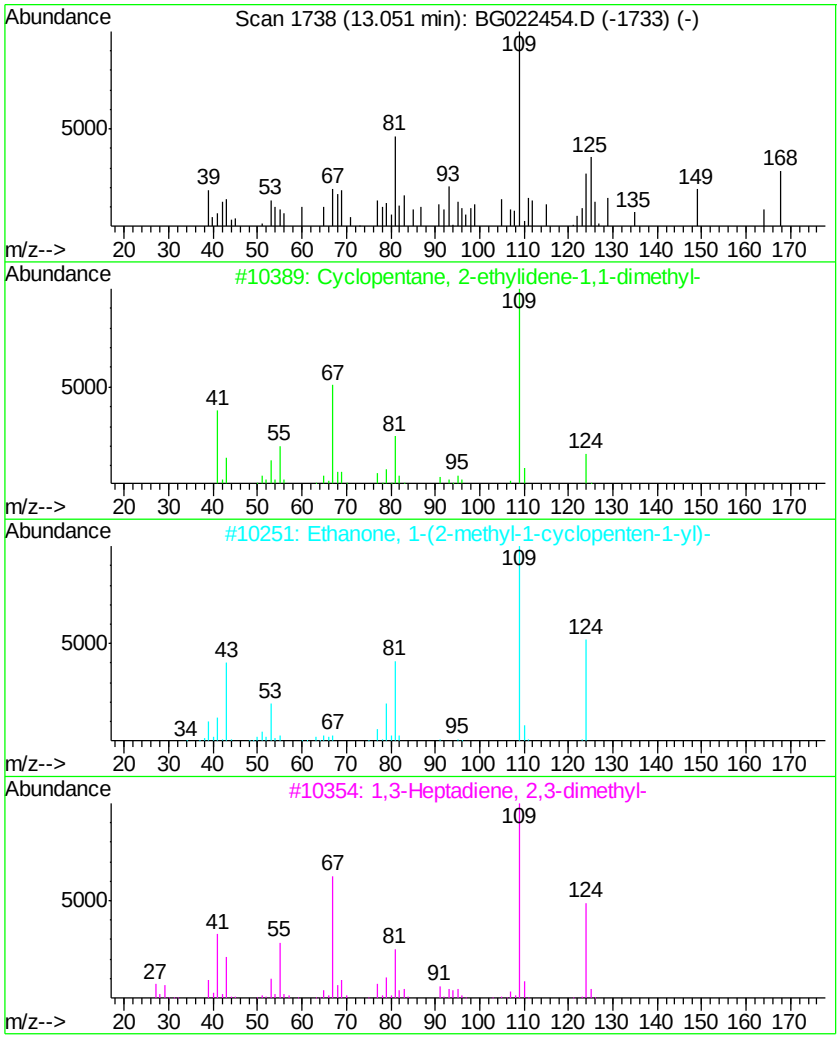
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

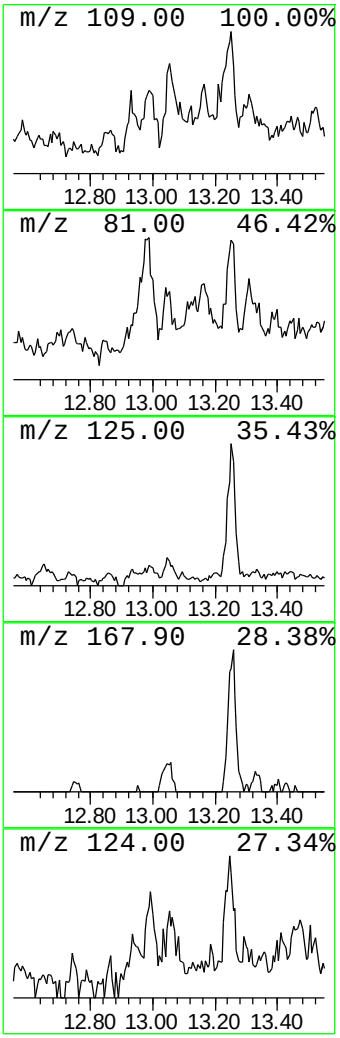
****

Peak Number 8 unknown13.05 Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.05	2.12 ng	33844	Acenaphthene-d10	14.63

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentane, 2-ethylidene-1,1-d...	124	C9H16	056324-66-4	30
2	Ethanone, 1-(2-methyl-1-cyclopen...	124	C8H12O	003168-90-9	30
3	1,3-Heptadiene, 2,3-dimethyl-	124	C9H16	074779-65-0	27
4	3,5-Heptadien-2-one, 6-methyl-, ...	124	C8H12O	016647-04-4	27
5	2,3-Dehydro-1,8-cineole	152	C10H16O	092760-25-3	27





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Acq On : 20 Jun 2016 23:41
Operator : UM/SJ
Sample : H3679-02
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : W-44

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG060616.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

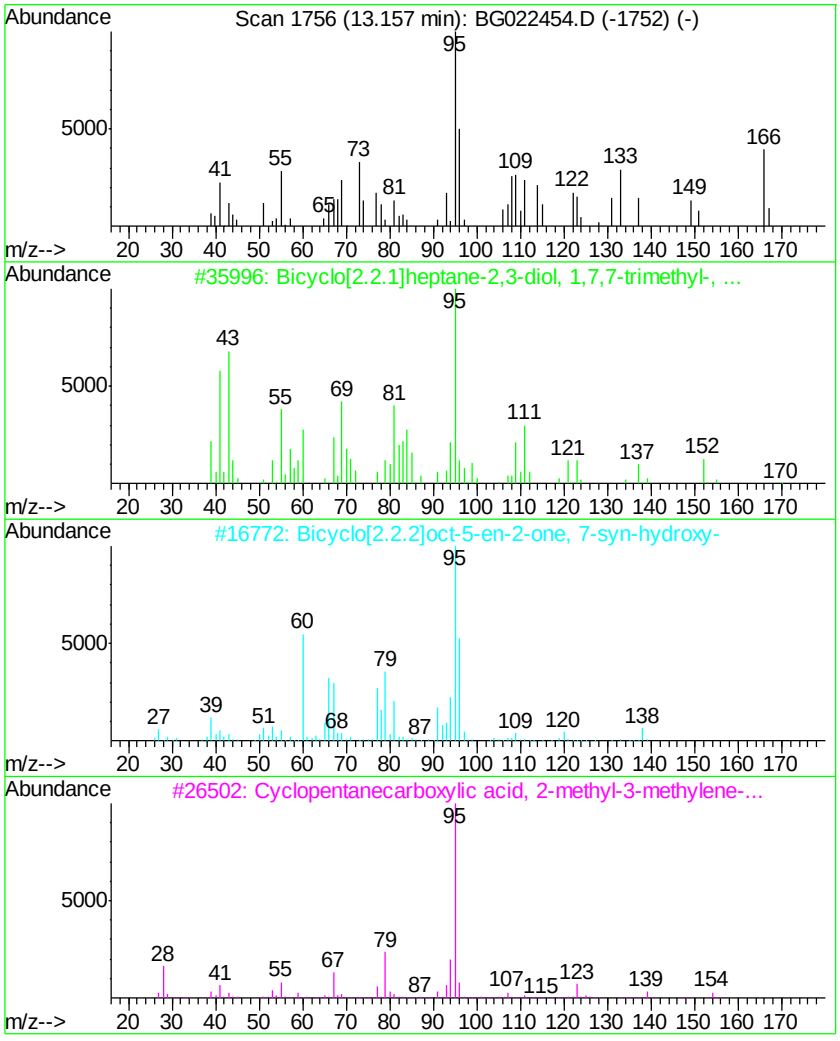
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

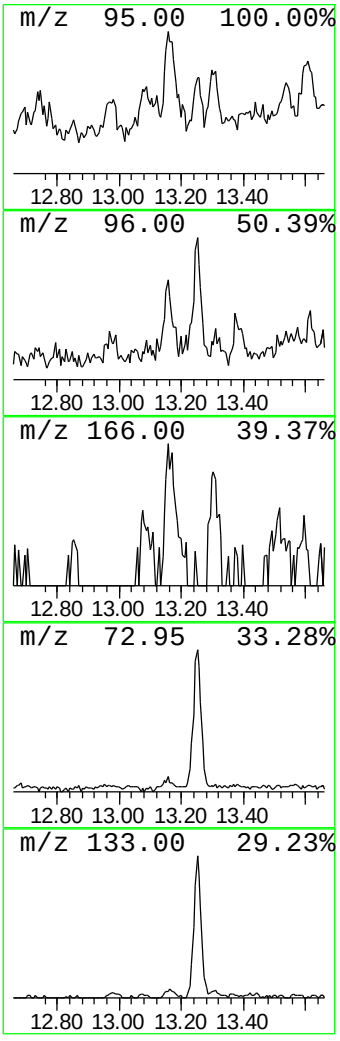
****

Peak Number 9 unknown13.16 Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.16	2.03 ng	32407	Acenaphthene-d10	14.63

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Bicyclo[2.2.1]heptane-2,3-diol, ...	170	C10H18O2	056614-57-4	32
2	Bicyclo[2.2.2]oct-5-en-2-one, 7-...	138	C8H10O2	1000153-14-9	27
3	Cyclopentanecarboxylic acid, 2-m...	154	C9H14O2	074764-25-3	14
4	Cyclohexane, 1,4-bis(ethoxymethyl)-	200	C12H24O2	054889-63-3	12
5	2-Furancarboxylic acid, 1-cyclop...	208	C12H16O3	1000278-83-6	12





Data Path : Z:\HPCHEM1\BNA G\DATA\BG062016\
Data File : BG022454.D
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Sample : H3679-02
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Instrument : BNA_G
ClientSampleId : W-44

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG060616.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

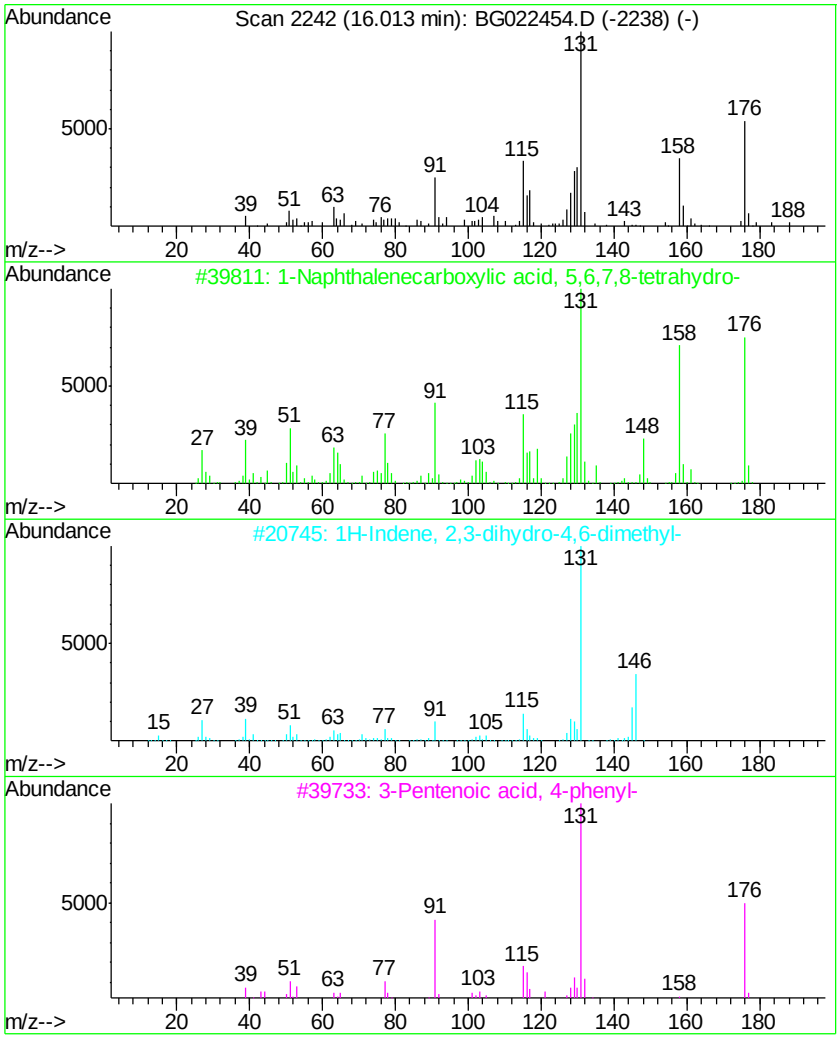
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

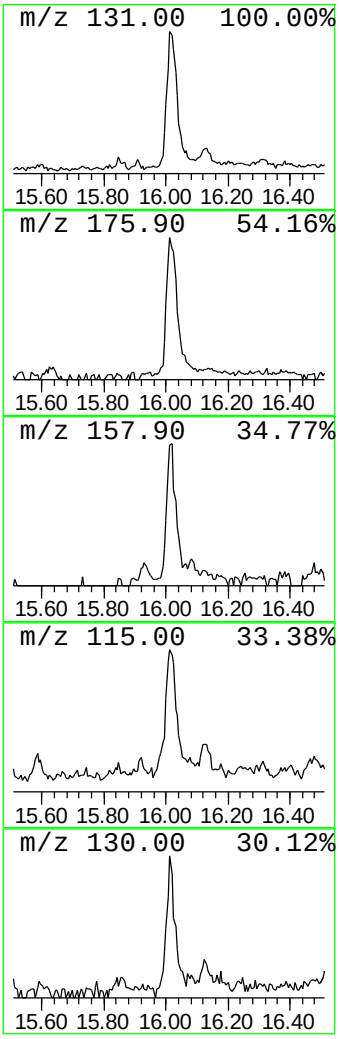
****

Peak Number 10 1-Naphthalenecarboxylic aci... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.01	6.56 ng	115737	Phenanthrene-d10	17.38

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Naphthalenecarboxylic acid, 5,...	176	C11H12O2	004242-18-6	86
2	1H-Indene, 2,3-dihydro-4,6-dimet...	146	C11H14	001685-82-1	43
3	3-Pentenoic acid, 4-phenyl-	176	C11H12O2	053774-19-9	40
4	1H-Indene, 2,3-dihydro-1,2-dimet...	146	C11H14	017057-82-8	38
5	1-Methylthiophthalazine	176	C9H8N2S	021948-74-3	38





Data Path : Z:\HPCHEM1\BNA G\DATA\BG062016\
Data File : BG022454.D
Acq On : 20 Jun 2016 23:41
Operator : UM/SJ
Sample : H3679-02
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : W-44

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG060616.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

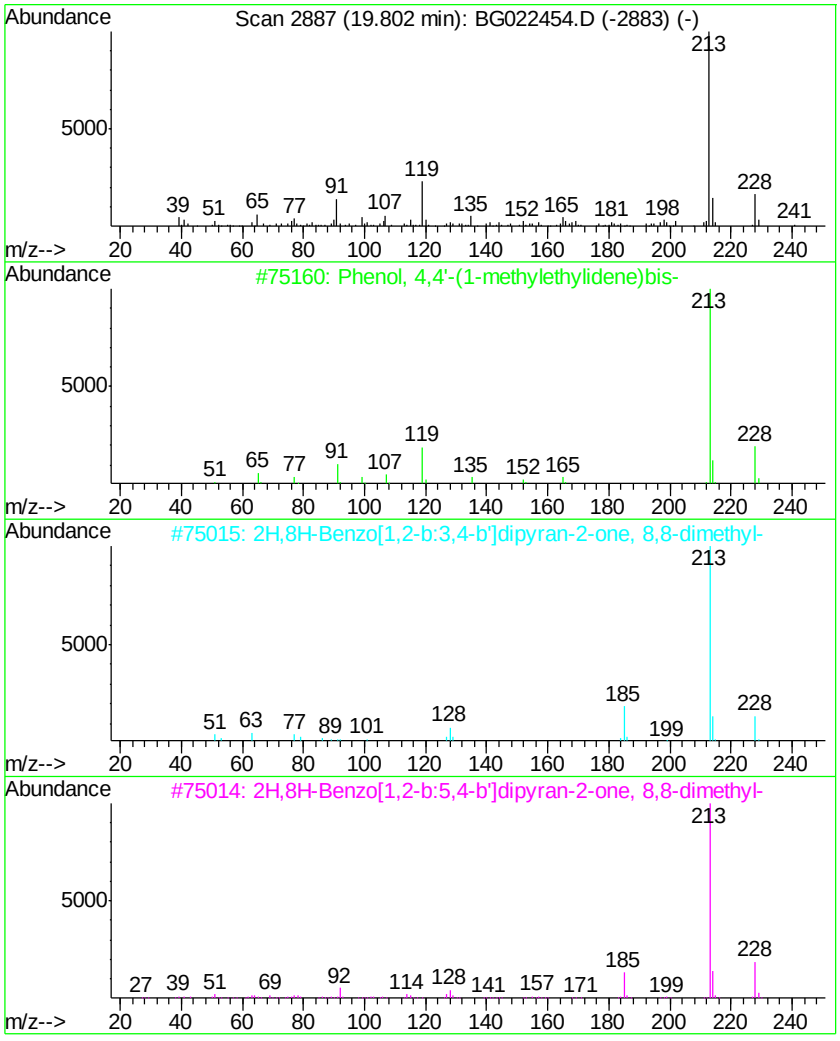
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

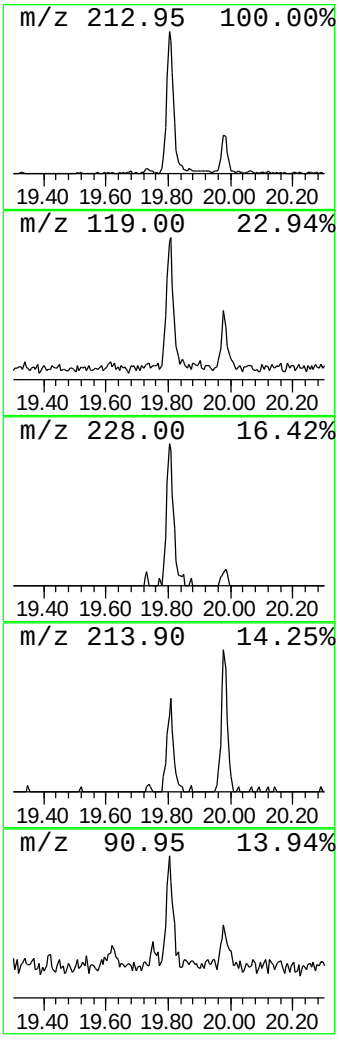
****

Peak Number 11 Phenol, 4,4'-(1-methylethyl... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.80	5.45 ng	100489	Chrysene-d12	21.64

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenol, 4,4'-(1-methylethylidene...	228	C15H16O2	000080-05-7	95
2	2H,8H-Benzo[1,2-b:3,4-b']dipyran...	228	C14H12O3	000523-59-1	59
3	2H,8H-Benzo[1,2-b:5,4-b']dipyran...	228	C14H12O3	000553-19-5	59
4	Phenol, 2,4'-isopropylidenedi-	228	C15H16O2	000837-08-1	56
5	Acridine, 9-chloro-	213	C13H8ClN	001207-69-8	50





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG062016\
Data File : BG022454.D
Acq On : 20 Jun 2016 23:41
Operator : UM/SJ
Sample : H3679-02
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : W-44

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG060616.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
unknown7.52	7.52	80.2	ng	512958	1	7.99	127895	20.0
1-Adamantanol	12.05	2.2	ng	23440	2	10.81	212342	20.0
Benzene, pentamet...	12.13	4.2	ng	44941	2	10.81	212342	20.0
unknown12.49	12.49	2.2	ng	23742	2	10.81	212342	20.0
unknown12.98	12.98	2.6	ng	41937	3	14.63	318786	20.0
unknown13.05	13.05	2.1	ng	33844	3	14.63	318786	20.0
unknown13.16	13.16	2.0	ng	32407	3	14.63	318786	20.0
1-Naphthalenecarb...	16.01	6.6	ng	115737	4	17.38	352822	20.0
Phenol, 4,4'-(1-m...	19.80	5.5	ng	100489	5	21.64	368628	20.0