LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG060517\
Data File : BG027230.D
Acq On : 6 Jun 2017 2:27
Operator : SJ/MA
Sample : I3407-04
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : S22-0026

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-BG060517.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	5.715	338	345	351	rBV2	39051	69137	1.40%	0.296%
2	5.815	355	362	367	rBV	31290	56719	1.15%	0.243%
3	6.150	407	419	430	rBV2	502920	928041	18.83%	3.969%
4	7.067	566	575	589	rVB	67193	122931	2.49%	0.526%
5	7.554	651	658	667	rVB	54780	100985	2.05%	0.432%
6	7.695	673	682	692	rBV	312082	626617	12.71%	2.680%
7	7.960	718	727	734	rBV	130735	226869	4.60%	0.970%
8	8.101	742	751	760	rBV	936504	1732539	35.15%	7.410%
9	8.571	824	831	839	rVB	175618	313319	6.36%	1.340%
10	8.894	874	886	893	rBV	804132	1527758	31.00%	6.534%
11	9.734	1022	1029	1043	rVB	695451	1355193	27.50%	5.796%
12	10.780	1195	1207	1212	rBV2	38844	78145	1.59%	0.334%
13	11.391	1298	1311	1317	rBV	273295	545285	11.06%	2.332%
14	12.825	1546	1555	1560	rBV7	30209	65654	1.33%	0.281%
15	13.218	1613	1622	1627	rBV2	27887	57320	1.16%	0.245%
16	13.782	1708	1718	1727	rBV	2127109	3548838	72.00%	15.179%
17	14.141	1773	1779	1794	rVB8	17923	54251	1.10%	0.232%
18	14.587	1848	1855	1862	rVB	143832	219101	4.45%	0.937%
19	15.151	1941	1951	1962	rBV2	443660	793313	16.10%	3.393%
20	16.638	2196	2204	2215	rBV	1721385	2773415	56.27%	11.862%
21	17.907	2412	2420	2431	rBV	567719	960080	19.48%	4.106%
22	18.747	2559	2563	2569	rBV2	64513	105323	2.14%	0.450%
23	20.486	2852	2859	2868	rBV	3385408	4928736	100.00%	21.081%
24	22.296	3160	3167	3177	rVB	578693	1133411	23.00%	4.848%
25	25.997	3787	3797	3811	rVB	325755	1057046	21.45%	4.521%

Sum of corrected areas: 23380026

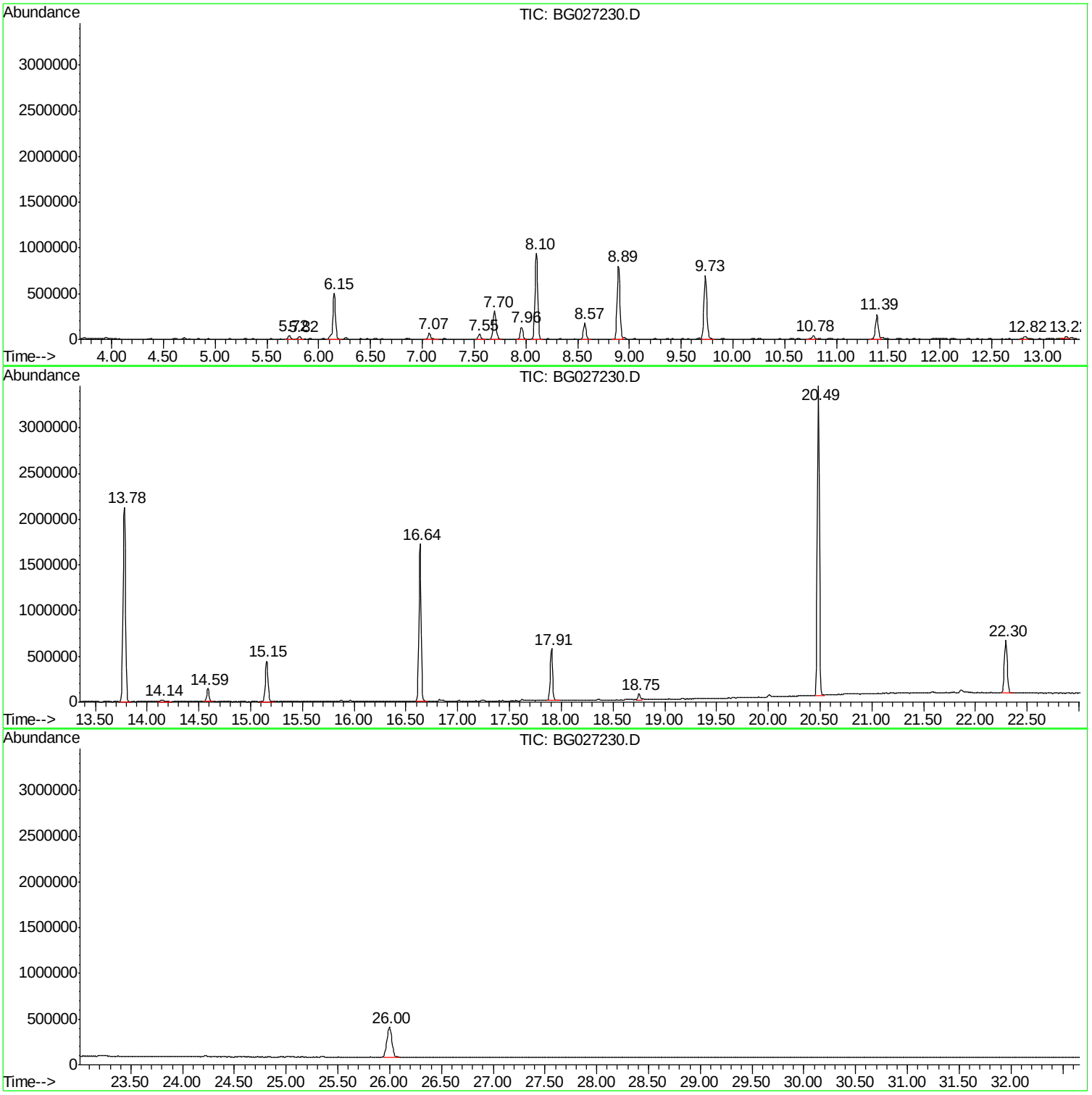
LSC Report - Integrated Chromatogram

Data Path : Z:\HPCHEM1\BNA G\DATA\BG060517\
Data File : BG027230.D
Acq On : 6 Jun 2017 2:27
Operator : SJ/MA
Sample : I3407-04
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : S22-0026

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG060517.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\BG060517\
Data File : BG027230.D
Acq On : 6 Jun 2017 2:27
Operator : SJ/MA
Sample : I3407-04
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : S22-0026

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG060517.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

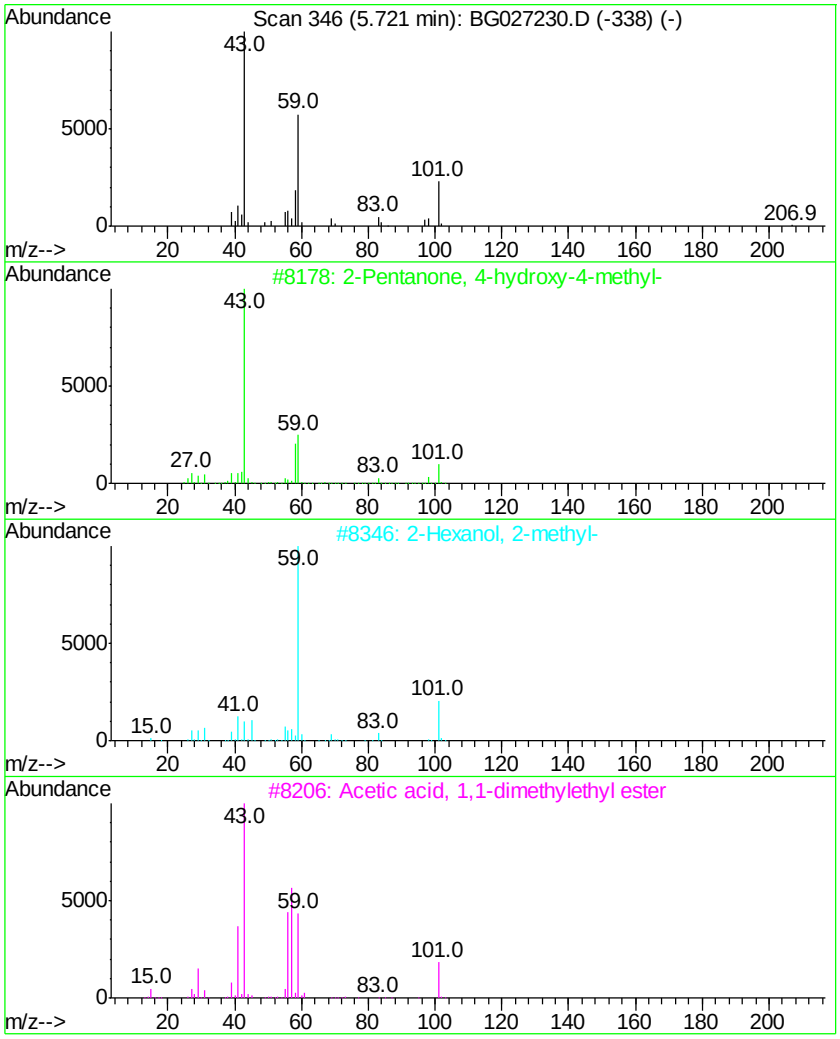
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

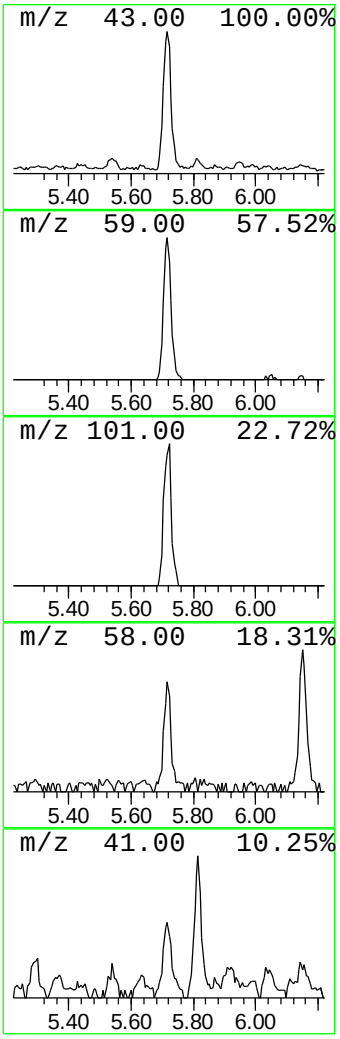
****

Peak Number 1 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.72	4.41 ng	69137	1,4-Dichlorobenzene-d4	8.57

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	42
2	2-Hexanol, 2-methyl-	116	C7H16O	000625-23-0	38
3	Acetic acid, 1,1-dimethylethyl e...	116	C6H12O2	000540-88-5	36
4	3-Hydroxy-3-methyl-2-butanone	102	C5H10O2	000115-22-0	35
5	2-Nonanone, 9-hydroxy-	158	C9H18O2	025368-56-3	28





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Data File : BG027230.D
Acq On : 6 Jun 2017 2:27
Operator : SJ/MA
Sample : I3407-04
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : S22-0026

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG060517.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

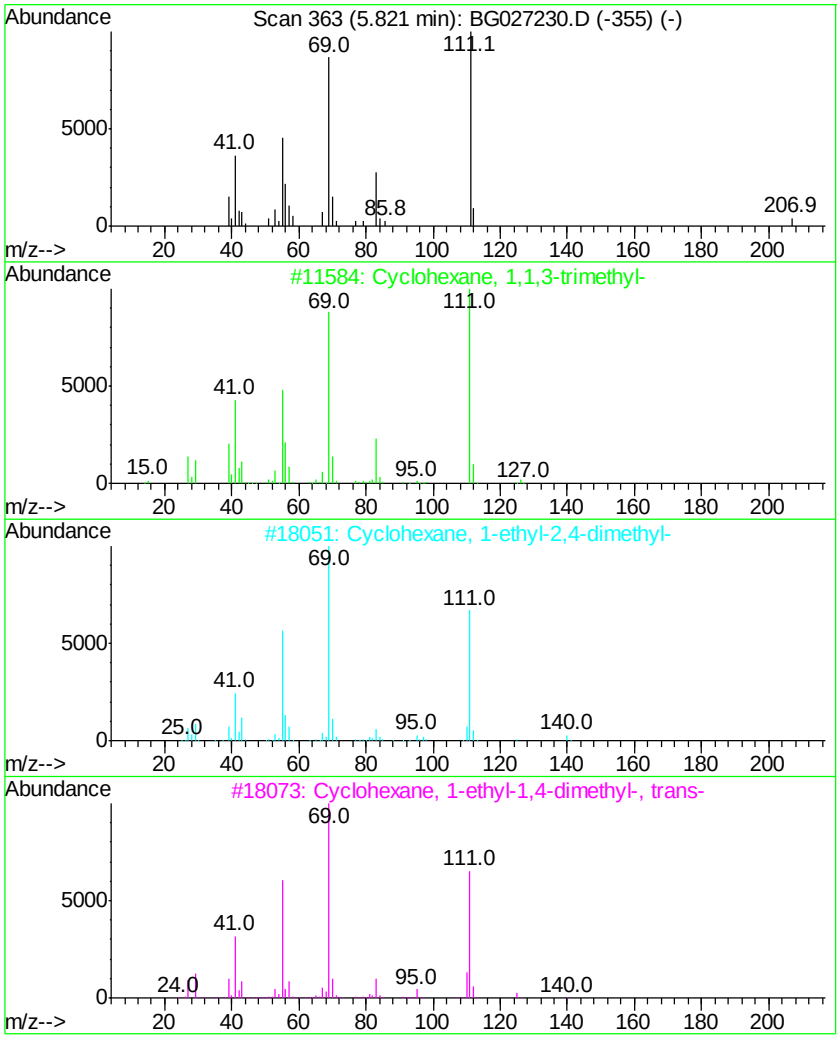
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

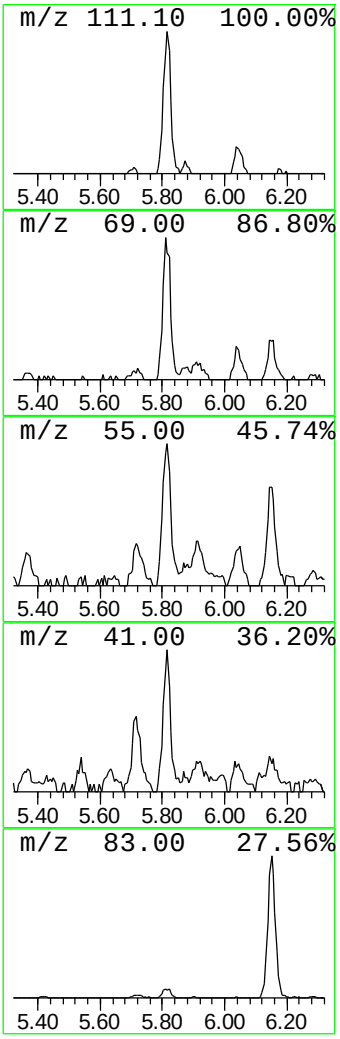
****

Peak Number 2 Cyclohexane, 1,1,3-trimethyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.82	3.62 ng	56719	1,4-Dichlorobenzene-d4	8.57

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1,1,3-trimethyl-	126	C9H18	003073-66-3	90
2	Cyclohexane, 1-ethyl-2,4-dimethyl-	140	C10H20	061142-69-6	56
3	Cyclohexane, 1-ethyl-1,4-dimethy...	140	C10H20	062238-32-8	56
4	Cyclooctane, (1-methylpropyl)-	168	C12H24	016538-89-9	56
5	3-Hexene, 2,5-dimethyl-	112	C8H16	015910-22-2	55





Data Path : Z:\HPCHEM1\BNA G\DATA\BG060517\
Data File : BG027230.D
Acq On : 6 Jun 2017 2:27
Operator : SJ/MA
Sample : I3407-04
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : S22-0026

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG060517.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

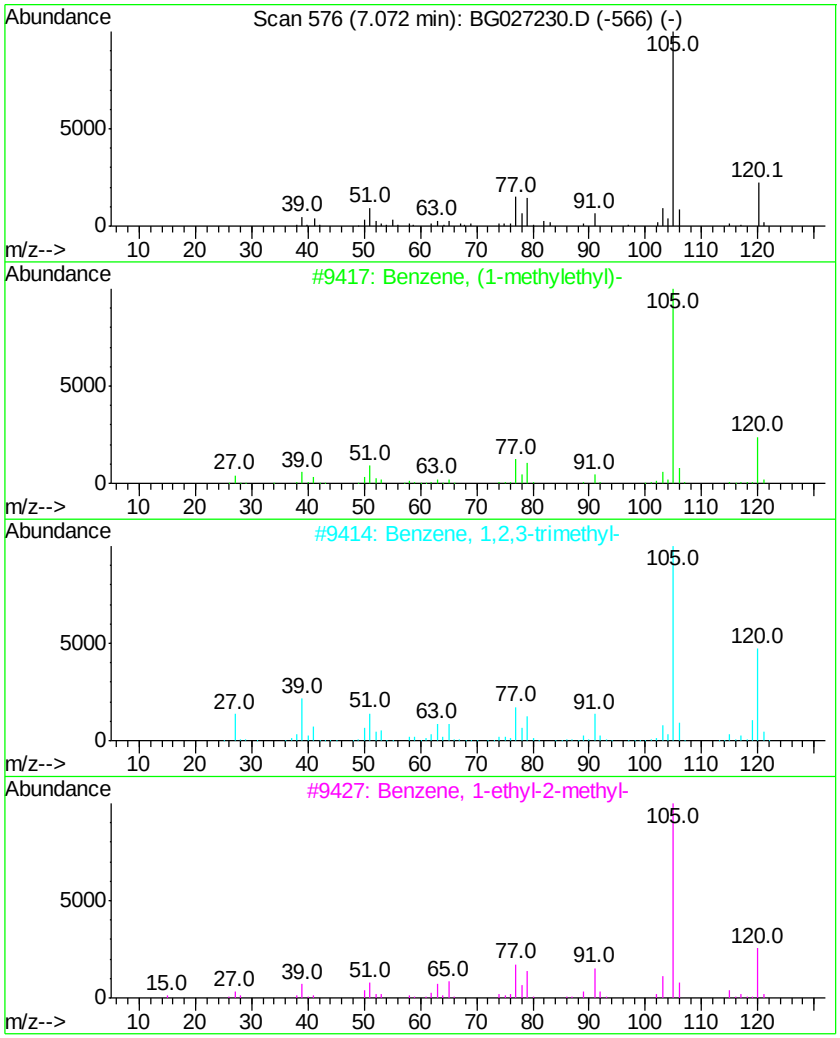
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

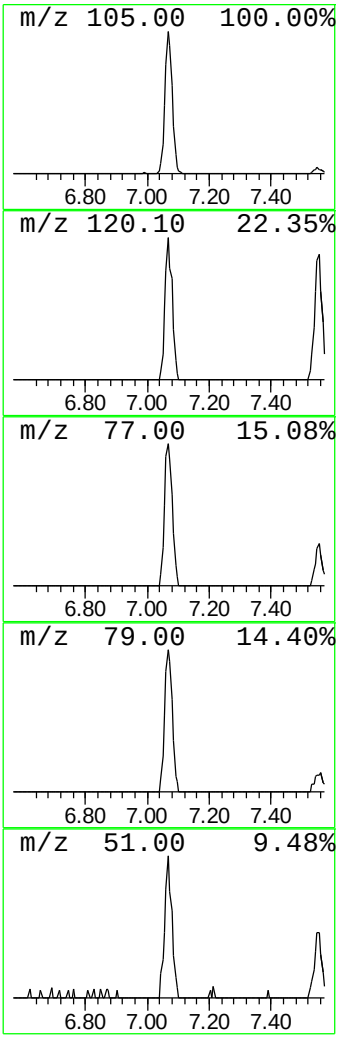
****

Peak Number 3 Benzene, (1-methylethyl)- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.07	7.85 ng	122931	1,4-Dichlorobenzene-d4	8.57

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, (1-methylethyl)-	120	C9H12	000098-82-8	91
2	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	91
3	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	83
4	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	83
5	Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	80





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG060517\
Data File : BG027230.D
Acq On : 6 Jun 2017 2:27
Operator : SJ/MA
Sample : I3407-04
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : S22-0026

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG060517.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

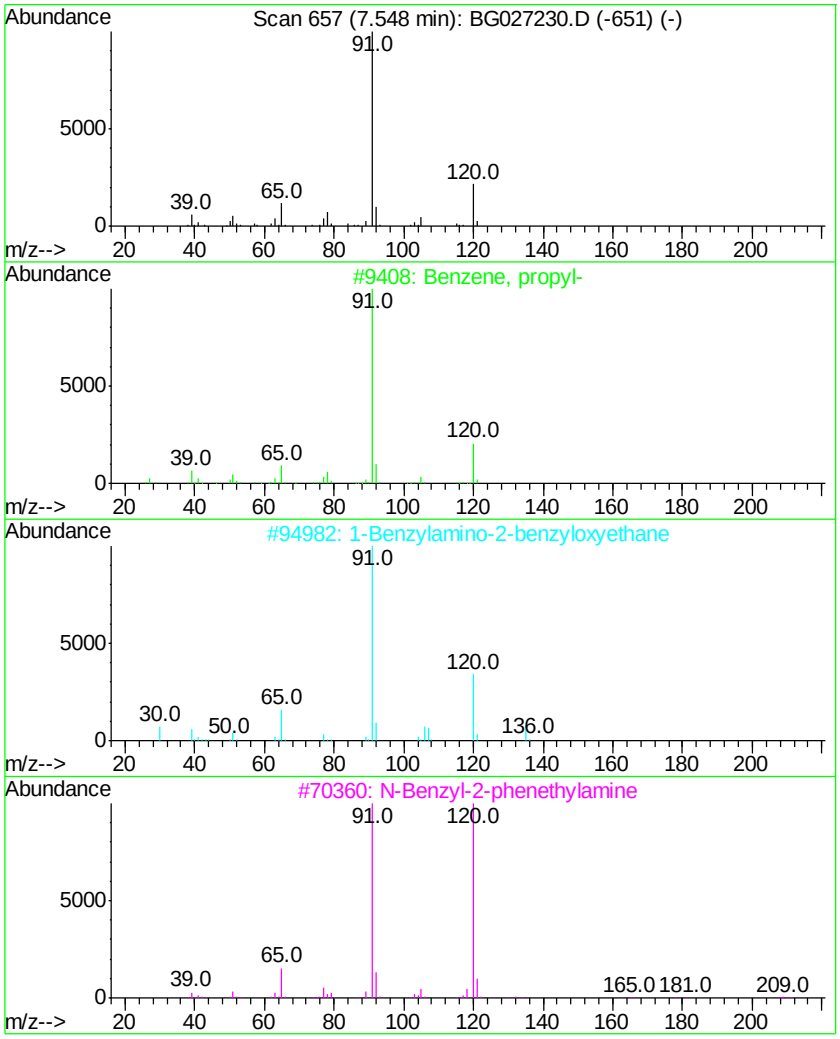
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

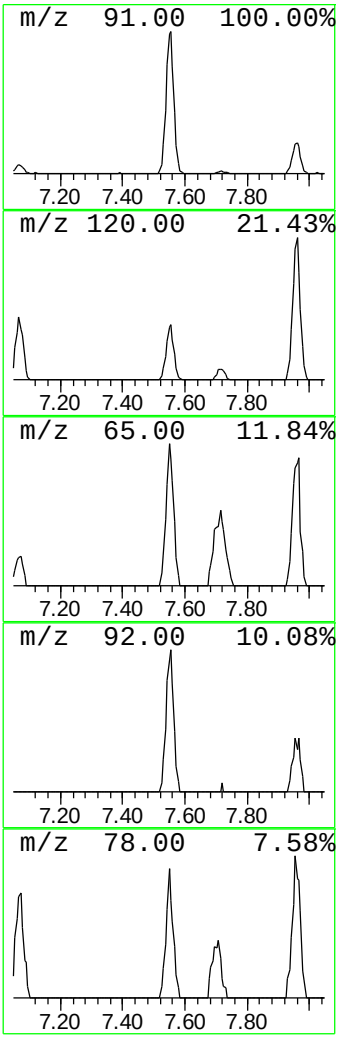
****

Peak Number 4 Benzene, propyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.55	6.45 ng	100985	1,4-Dichlorobenzene-d4	8.57

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, propyl-	120	C9H12	000103-65-1	90
2	1-Benzylamino-2-benzyloxyethane	241	C16H19NO	038336-06-0	53
3	N-Benzyl-2-phenethylamine	211	C15H17N	003647-71-0	47
4	Benzaldehyde, 2-methyl-	120	C8H8O	000529-20-4	47
5	Benzeneacetaldehyde	120	C8H8O	000122-78-1	46





Data Path : Z:\HPCHEM1\BNA G\DATA\BG060517\
Data File : BG027230.D
Acq On : 6 Jun 2017 2:27
Operator : SJ/MA
Sample : I3407-04
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : S22-0026

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG060517.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

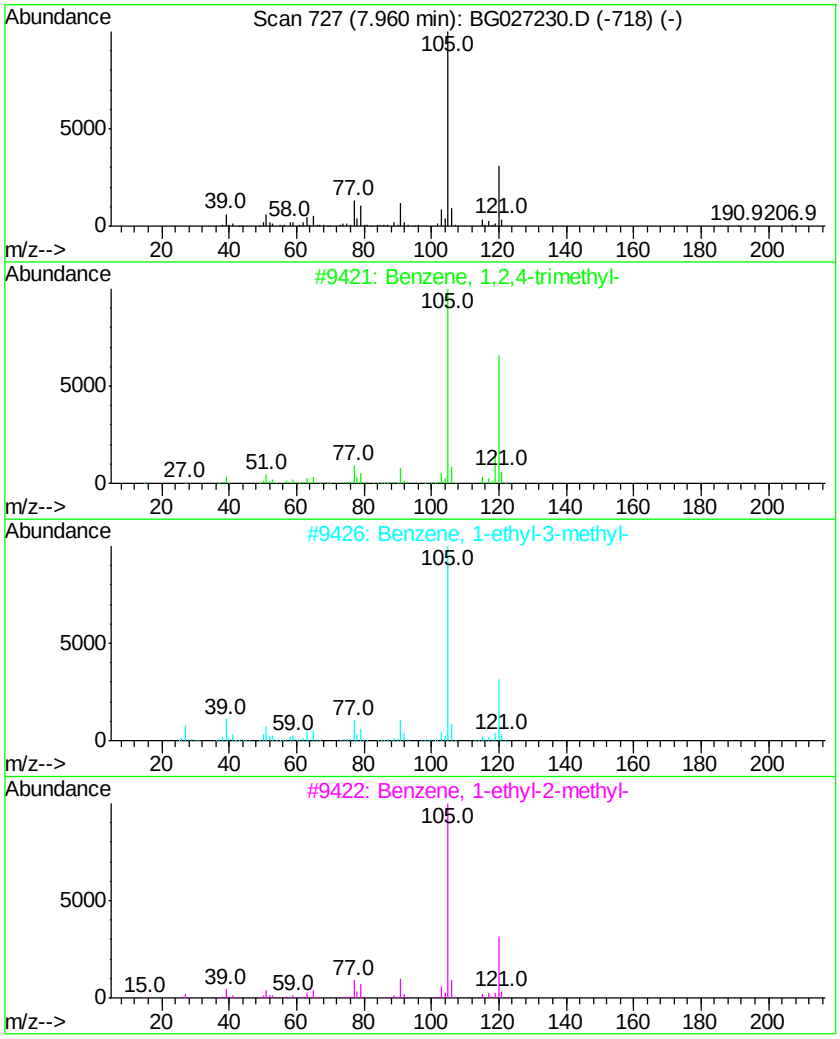
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

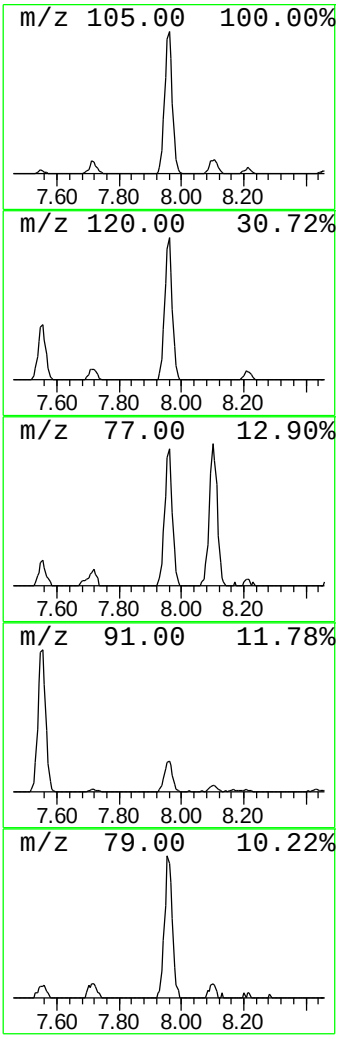
****

Peak Number 5 Benzene, 1,2,4-trimethyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.96	14.48 ng	226869	1,4-Dichlorobenzene-d4	8.57

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	91
2	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	91
3	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	91
4	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	91
5	Mesitylene	120	C9H12	000108-67-8	91





Data Path : Z:\HPCHEM1\BNA G\DATA\BG060517\
Data File : BG027230.D
Acq On : 6 Jun 2017 2:27
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Sample : I3407-04
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : S22-0026

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG060517.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

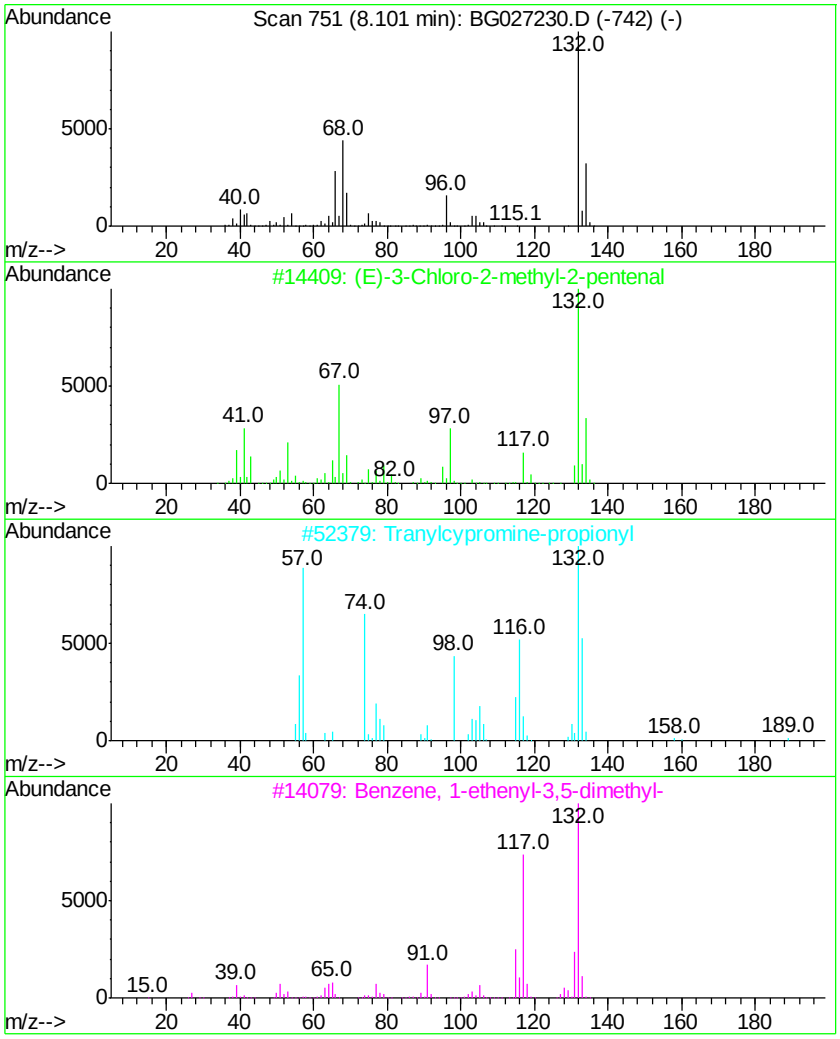
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

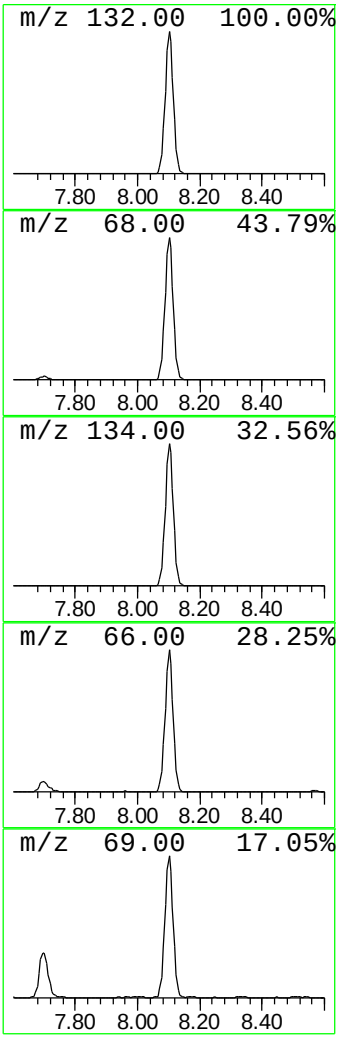
****

Peak Number 6 unknown8.10 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.10	110.59 ng	1732540	1,4-Dichlorobenzene-d4	8.57

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	(E)-3-Chloro-2-methyl-2-pentenal	132	C6H9ClO	031357-76-3	16
2	Tranylcypromine-propionyl	189	C12H15NO	1000123-86-3	10
3	Benzene, 1-ethenyl-3,5-dimethyl-	132	C10H12	005379-20-4	9
4	2H-Cyclopenta[d]pyridazine, 2-me...	132	C8H8N2	022291-85-6	9
5	1,3,4-Thiadiazole-2(3H)-thione, ...	132	C3H4N2S2	029490-19-5	9





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Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : S22-0026

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG060517.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

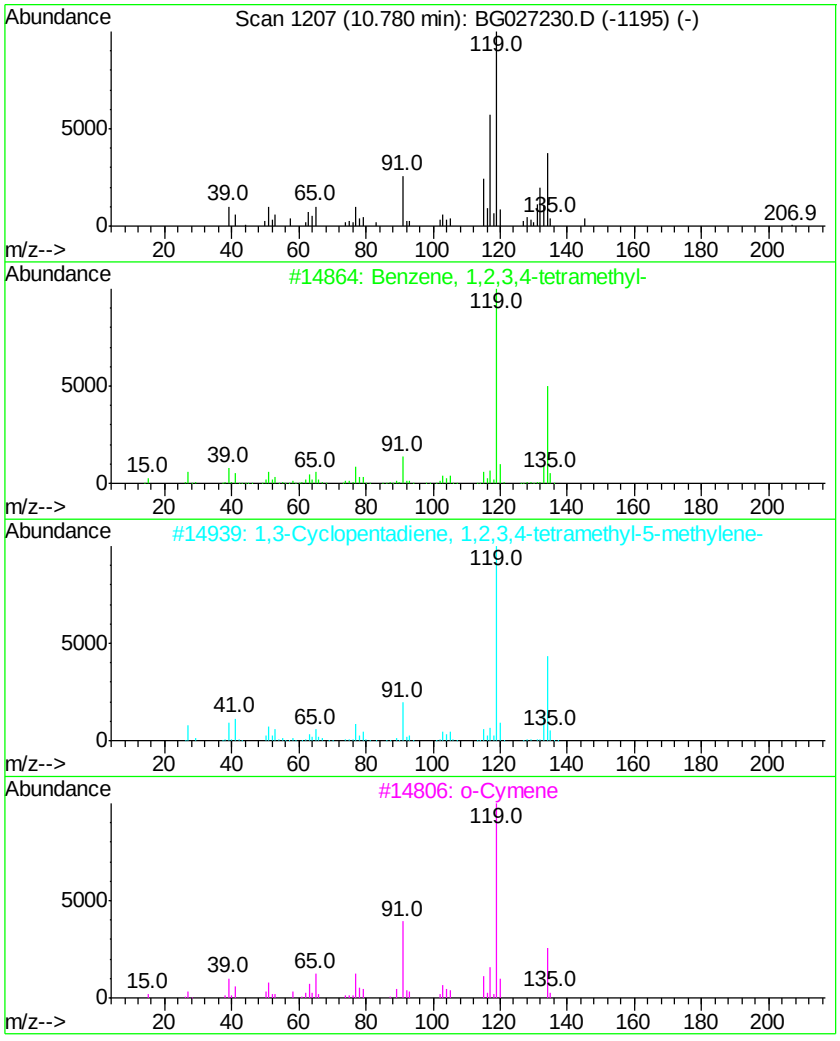
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

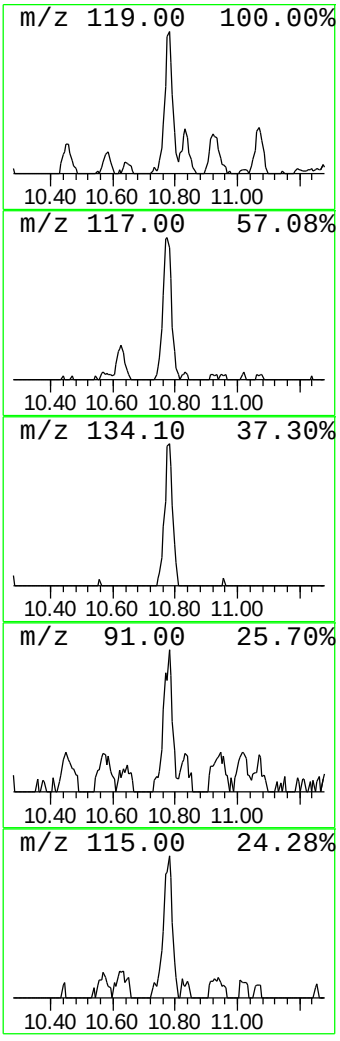
****

Peak Number 8 unknown10.78 Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.78	2.87 ng	78145	Naphthalene-d8	11.39

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	49
2	1,3-Cyclopentadiene, 1,2,3,4-tet...	134	C10H14	076089-59-3	49
3	o-Cymene	134	C10H14	000527-84-4	49
4	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	49
5	2,4-Dimethylstyrene	132	C10H12	002234-20-0	46





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Sample : I3407-04
Misc :
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Instrument : BNA_G
ClientSampleId : S22-0026

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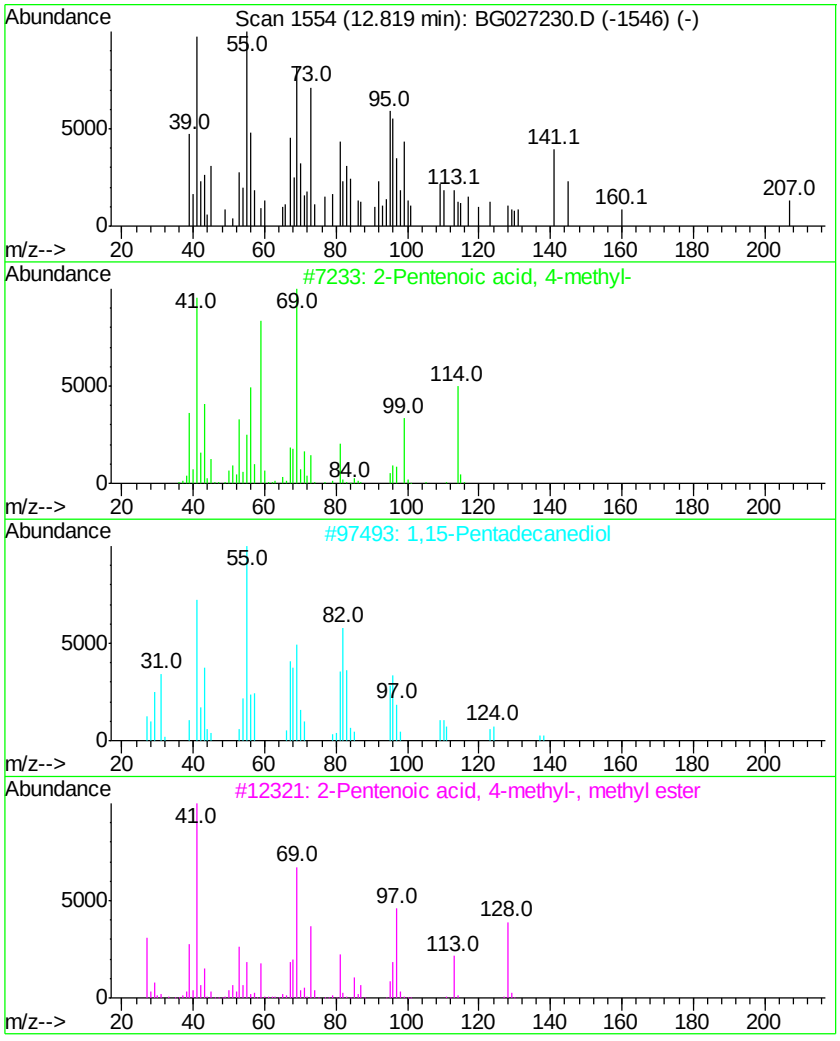
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

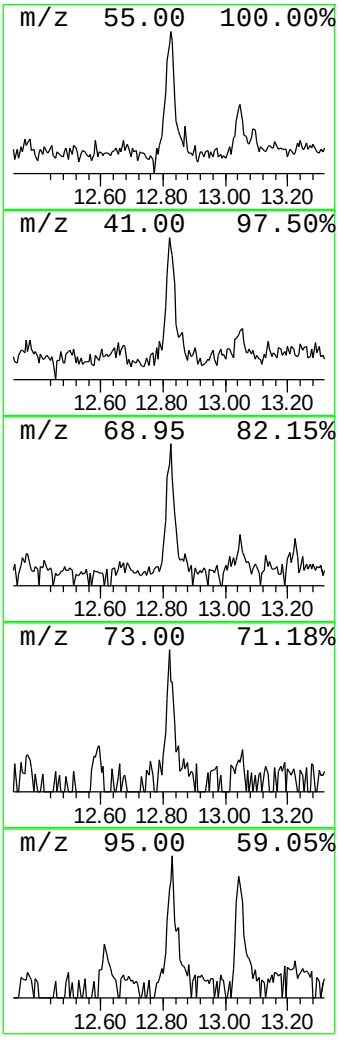
****

Peak Number 9 unknown12.82 Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.82	2.41 ng	65654	Naphthalene-d8	11.39

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentenoic acid, 4-methyl-	114	C6H10O2	010321-71-8	38
2	1,15-Pentadecanediol	244	C15H32O2	014722-40-8	35
3	2-Pentenoic acid, 4-methyl-, met...	128	C7H12O2	050652-78-3	22
4	Cyclohexane, 1,2,3-trimethyl-, (...	126	C9H18	001839-88-9	22
5	5,7-Dimethyloctahydrocoumarin	182	C11H18O2	1000109-81-5	14





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Instrument : BNA_G
ClientSampleId : S22-0026

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG060517.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

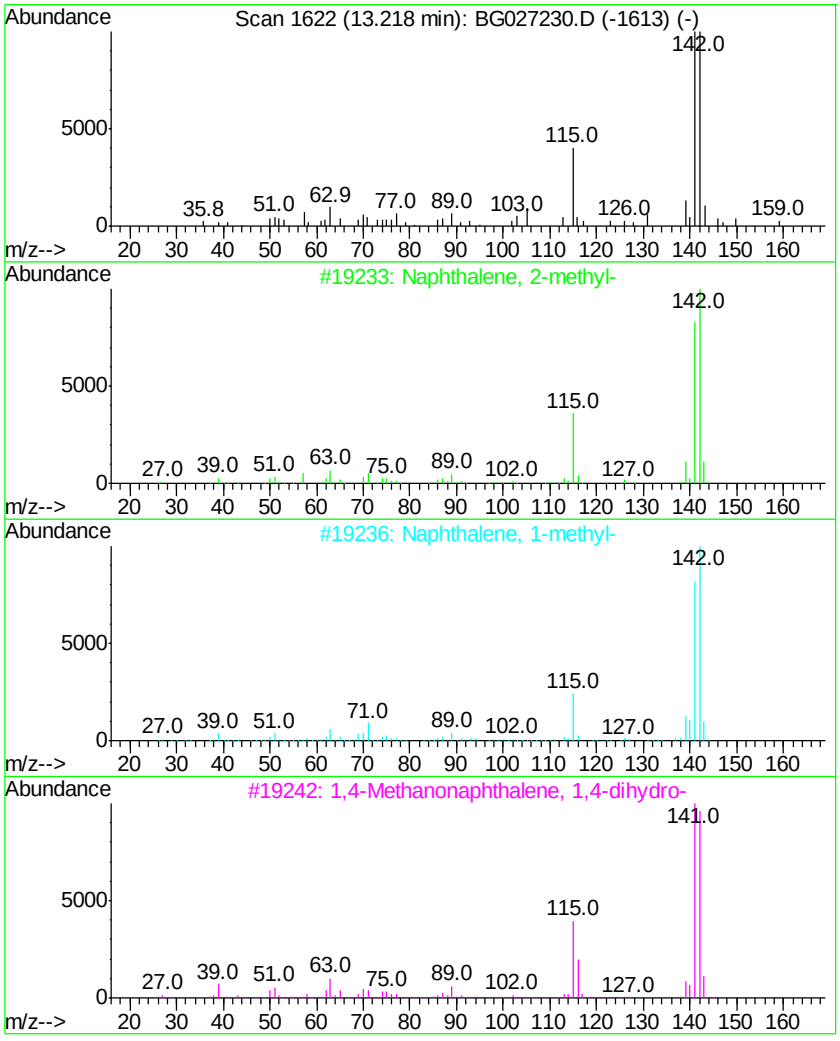
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

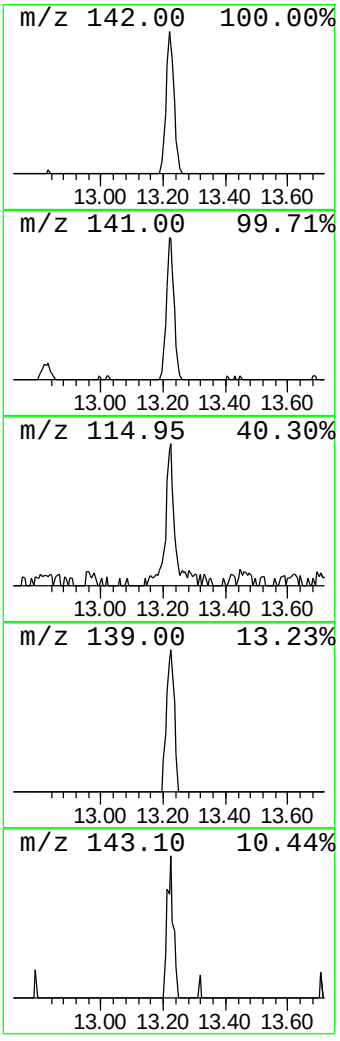
****

Peak Number 10 Naphthalene, 1-methyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.22	2.10 ng	57320	Naphthalene-d8	11.39

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-methyl-	142	C11H10	000091-57-6	90
2	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	90
3	1,4-Methanonaphthalene, 1,4-dihy...	142	C11H10	004453-90-1	90
4	Bicyclo[4.4.1]undeca-1,3,5,7,9-p...	142	C11H10	002443-46-1	90
5	Benzocycloheptatriene	142	C11H10	000264-09-5	90





Data Path : Z:\HPCHEM1\BNA G\DATA\BG060517\
Data File : BG027230.D
Acq On : 6 Jun 2017 2:27
Operator : SJ/MA
Sample : I3407-04
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : S22-0026

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG060517.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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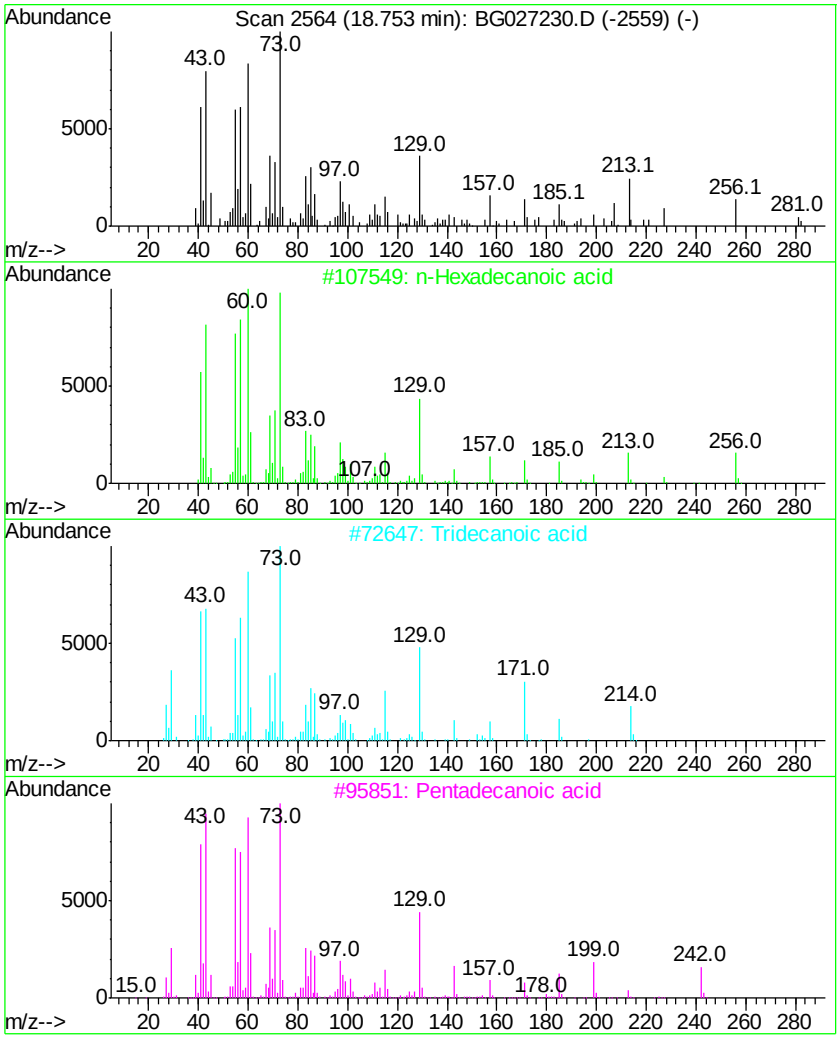
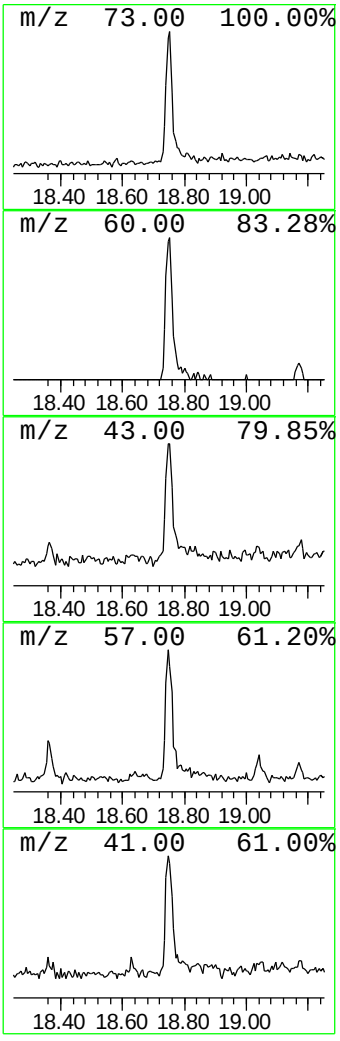
Peak Number 11 n-Hexadecanoic acid Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.75	2.19 ng	105323	Phenanthrene-d10	17.91

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	99
2	Tridecanoic acid	214	C13H26O2	000638-53-9	91
3	Pentadecanoic acid	242	C15H30O2	001002-84-2	83
4	Tetradecanoic acid	228	C14H28O2	000544-63-8	58
5	n-Decanoic acid	172	C10H20O2	000334-48-5	49





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG060517\
Data File : BG027230.D
Acq On : 6 Jun 2017 2:27
Operator : SJ/MA
Sample : I3407-04
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : S22-0026

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG060517.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
2-Pentanone, 4-hy...	5.72	4.4	ng	69137	1	8.57	313319	20.0
Cyclohexane, 1,1,...	5.82	3.6	ng	56719	1	8.57	313319	20.0
Benzene, (1-methy...	7.07	7.8	ng	122931	1	8.57	313319	20.0
Benzene, propyl-	7.55	6.5	ng	100985	1	8.57	313319	20.0
Benzene, 1,2,4-tr...	7.96	14.5	ng	226869	1	8.57	313319	20.0
unknown8.10	8.10	110.6	ng	1732540	1	8.57	313319	20.0
unknown10.78	10.78	2.9	ng	78145	2	11.39	545285	20.0
unknown12.82	12.82	2.4	ng	65654	2	11.39	545285	20.0
Naphthalene, 1-me...	13.22	2.1	ng	57320	2	11.39	545285	20.0
n-Hexadecanoic acid	18.75	2.2	ng	105323	4	17.91	960080	20.0