LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG092116\
Data File : BG024063.D
Acq On : 21 Sep 2016 20:15
Operator : UM/SJ
Sample : H4819-04
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : YORK-SB2-02

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-BG083116.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	2.922	9	14	36	rVB	3993431	6153800	100.00%	18.515%
2	5.119	383	388	398	rVB	211224	333666	5.42%	1.004%
3	5.607	465	471	486	rBV	1017107	1729312	28.10%	5.203%
4	7.228	741	747	765	rVB	1084236	1996406	32.44%	6.007%
5	7.587	801	808	822	rBV	1121164	1965304	31.94%	5.913%
6	8.051	881	887	895	rBV	279715	477331	7.76%	1.436%
7	8.380	935	943	952	rVB	833536	1453146	23.61%	4.372%
8	9.237	1081	1089	1100	rBV	721552	1362803	22.15%	4.100%
9	10.048	1223	1227	1237	rVB7	35191	73153	1.19%	0.220%
10	10.395	1280	1286	1291	rBV4	45074	83276	1.35%	0.251%
11	10.888	1362	1370	1375	rBV	374449	682587	11.09%	2.054%
12	10.935	1375	1378	1386	rVB	85713	149180	2.42%	0.449%
13	11.722	1504	1512	1517	rBV2	117934	218188	3.55%	0.656%
14	13.338	1777	1787	1796	rBV	1791225	2800320	45.51%	8.425%
15	13.649	1835	1840	1848	rVB2	128593	218228	3.55%	0.657%
16	14.172	1923	1929	1938	rVB	284283	418315	6.80%	1.259%
17	14.730	2017	2024	2030	rVV	552932	892084	14.50%	2.684%
18	15.541	2157	2162	2167	rBV3	66766	97805	1.59%	0.294%
19	16.063	2246	2251	2259	rVB3	61057	107587	1.75%	0.324%
20	16.234	2273	2280	2291	rBV	1318486	2129321	34.60%	6.406%
21	16.416	2307	2311	2323	rVB5	31544	83998	1.36%	0.253%
22	17.497	2489	2495	2498	rBV	615082	957241	15.56%	2.880%
23	17.538	2498	2502	2509	rVB	487524	704554	11.45%	2.120%
24	17.632	2514	2518	2523	rVV	73545	95632	1.55%	0.288%
25	18.307	2631	2633	2639	rBV7	44374	66439	1.08%	0.200%
26	18.366	2639	2643	2649	rVV3	232835	387791	6.30%	1.167%
27	18.425	2650	2653	2660	rVB3	114553	194613	3.16%	0.586%
28	18.866	2725	2728	2731	rBV2	54973	69072	1.12%	0.208%
29	19.277	2795	2798	2804	rBV7	83675	142045	2.31%	0.427%
30	19.553	2840	2845	2850	rVB	865788	1264353	20.55%	3.804%
31	19.888	2898	2902	2903	rBV2	110525	162768	2.64%	0.490%
32	19.917	2903	2907	2912	rVB	715841	1017201	16.53%	3.060%
33	20.105	2934	2939	2944	rVB	2663948	3397410	55.21%	10.222%
34	21.803	3222	3228	3233	rBV2	655890	1352223	21.97%	4.068%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG092116\
Data File : BG024063.D
Acq On : 21 Sep 2016 20:15
Operator : UM/SJ
Sample : H4819-04
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : YORK-SB2-02

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-BG083116.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Sum of corrected areas: 33237152

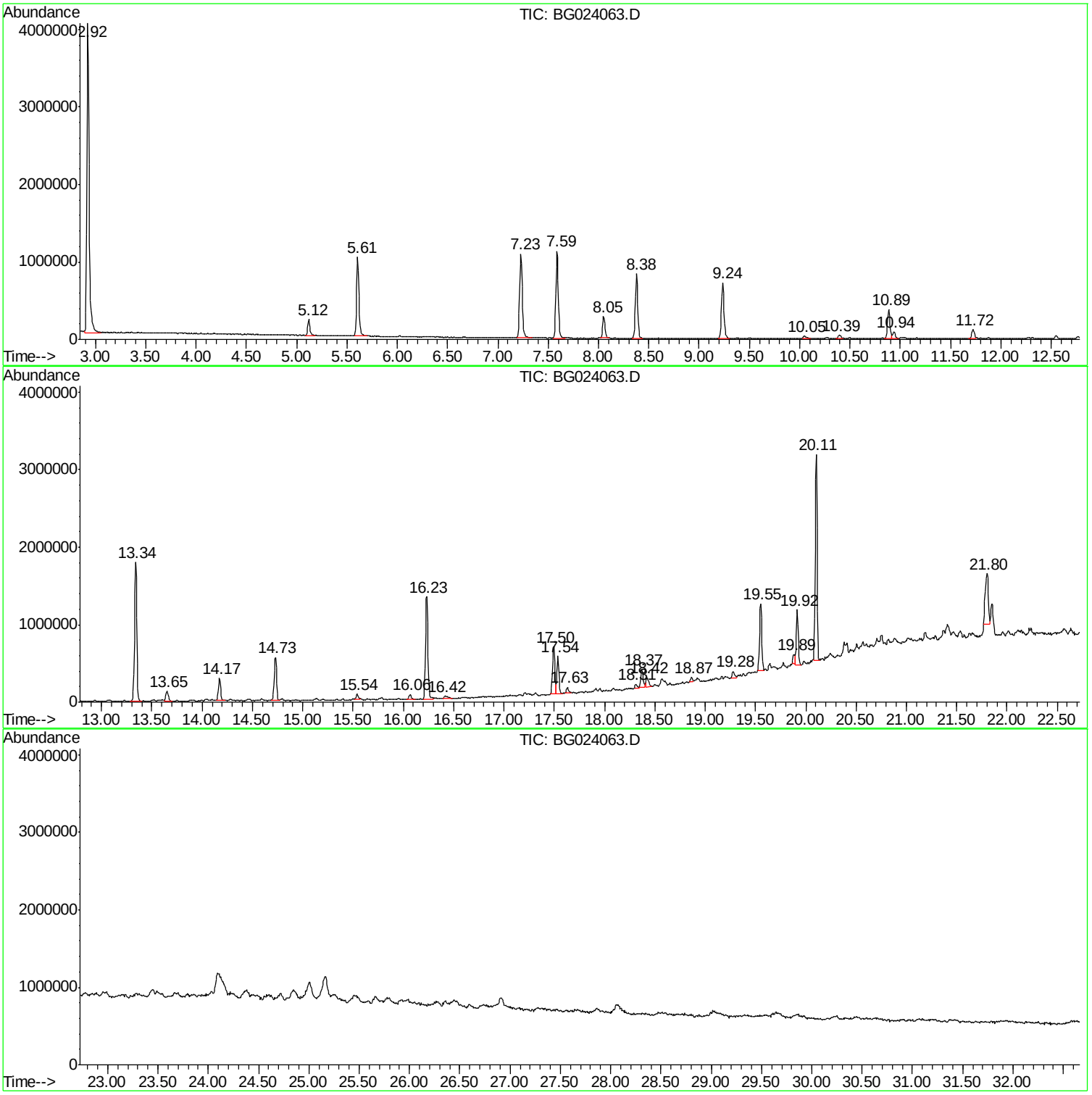
LSC Report - Integrated Chromatogram

Data Path : Z:\HPCHEM1\BNA G\DATA\BG092116\
Data File : BG024063.D
Acq On : 21 Sep 2016 20:15
Operator : UM/SJ
Sample : H4819-04
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : YORK-SB2-02

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG083116.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG092116\
Data File : BG024063.D
Acq On : 21 Sep 2016 20:15
Operator : UM/SJ
Sample : H4819-04
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : YORK-SB2-02

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG083116.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

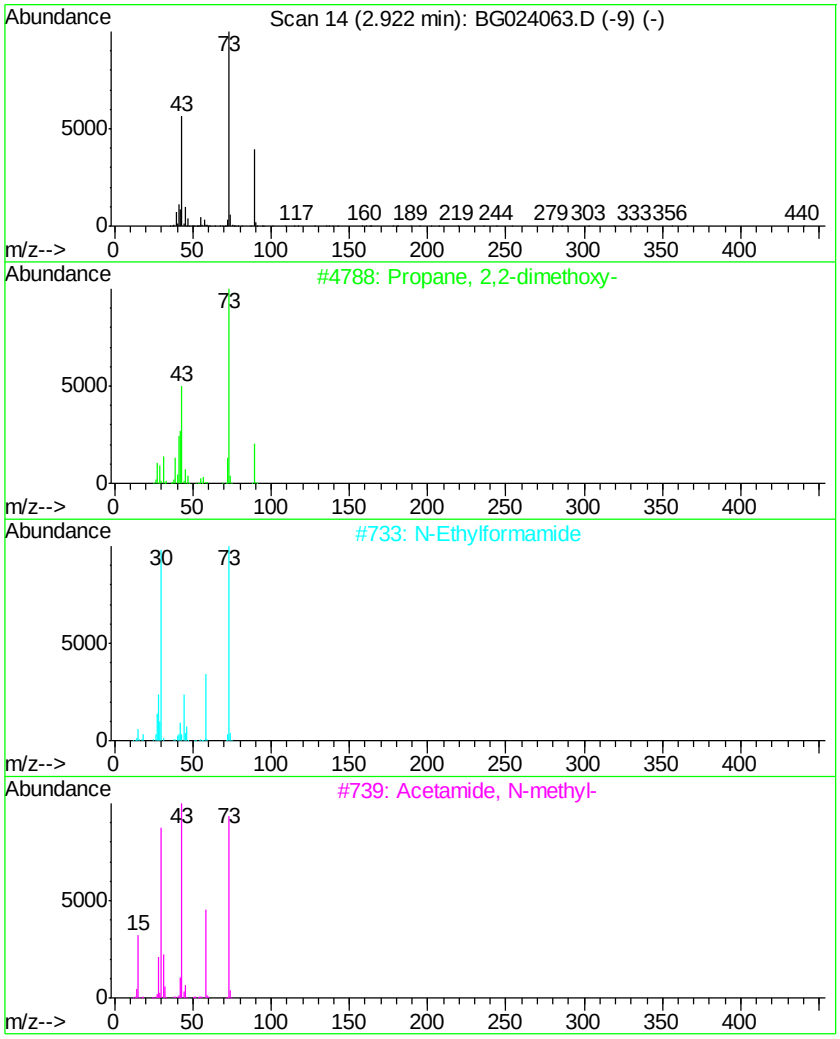
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

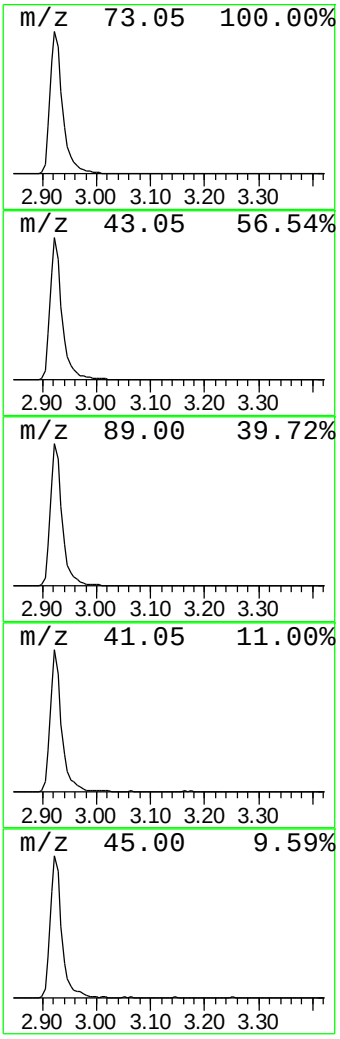
****

Peak Number 1 Propane, 2,2-dimethoxy- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.92	257.84 ng	6153800	1,4-Dichlorobenzene-d4	8.05

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Propane, 2,2-dimethoxy-	104	C5H12O2	000077-76-9	78
2	N-Ethylformamide	73	C3H7NO	000627-45-2	9
3	Acetamide, N-methyl-	73	C3H7NO	000079-16-3	9
4	1,3-Diaminoguanidine	89	CH7N5	004364-78-7	9
5	1-Propanol, 2-methyl-	74	C4H10O	000078-83-1	9





Data Path : Z:\HPCHEM1\BNA G\DATA\BG092116\
Data File : BG024063.D
Acq On : 21 Sep 2016 20:15
Operator : UM/SJ
Sample : H4819-04
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : YORK-SB2-02

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG083116.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

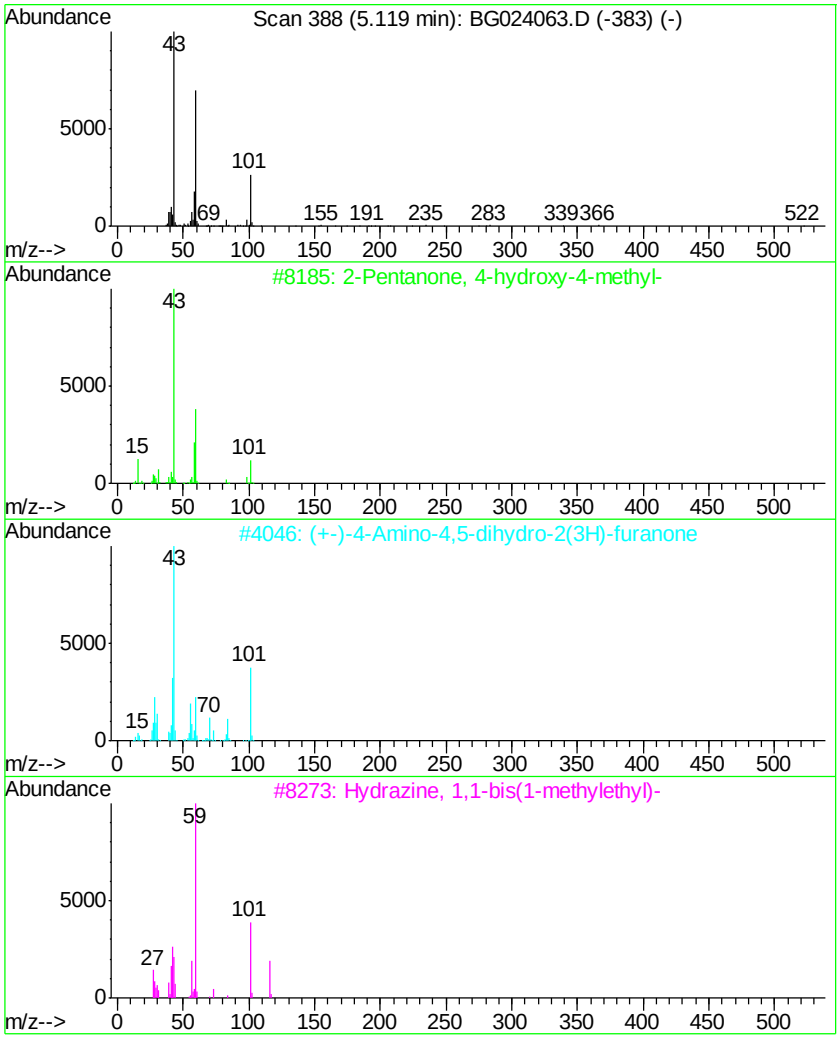
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

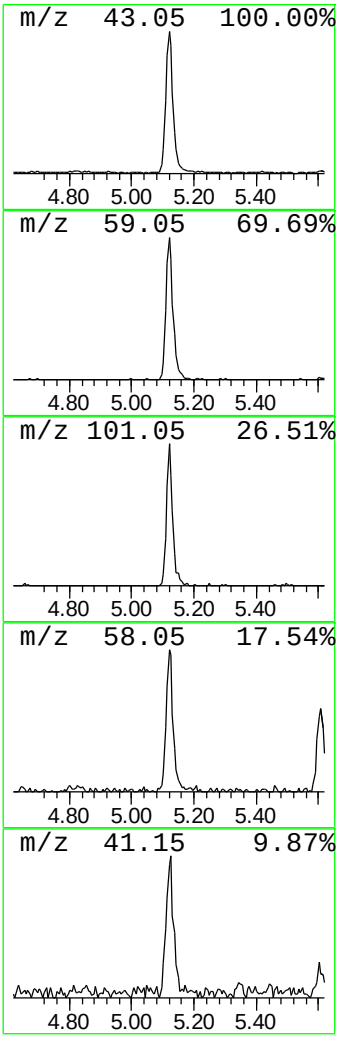
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.12	13.98 ng	333666	1,4-Dichlorobenzene-d4	8.05

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	59
2	(+-)-4-Amino-4,5-dihydro-2(3H)-f...	101	C4H7NO2	016504-58-8	43
3	Hydrazine, 1,1-bis(1-methylethyl)-	116	C6H16N2	000921-14-2	28
4	Succinic acid, heptyl 2-methoxye...	274	C14H26O5	1000325-80-7	25
5	3-Hexanol, 4-methyl-	116	C7H16O	000615-29-2	17





Data Path : Z:\HPCHEM1\BNA G\DATA\BG092116\
Data File : BG024063.D
Acq On : 21 Sep 2016 20:15
Operator : UM/SJ
Sample : H4819-04
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : YORK-SB2-02

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG083116.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

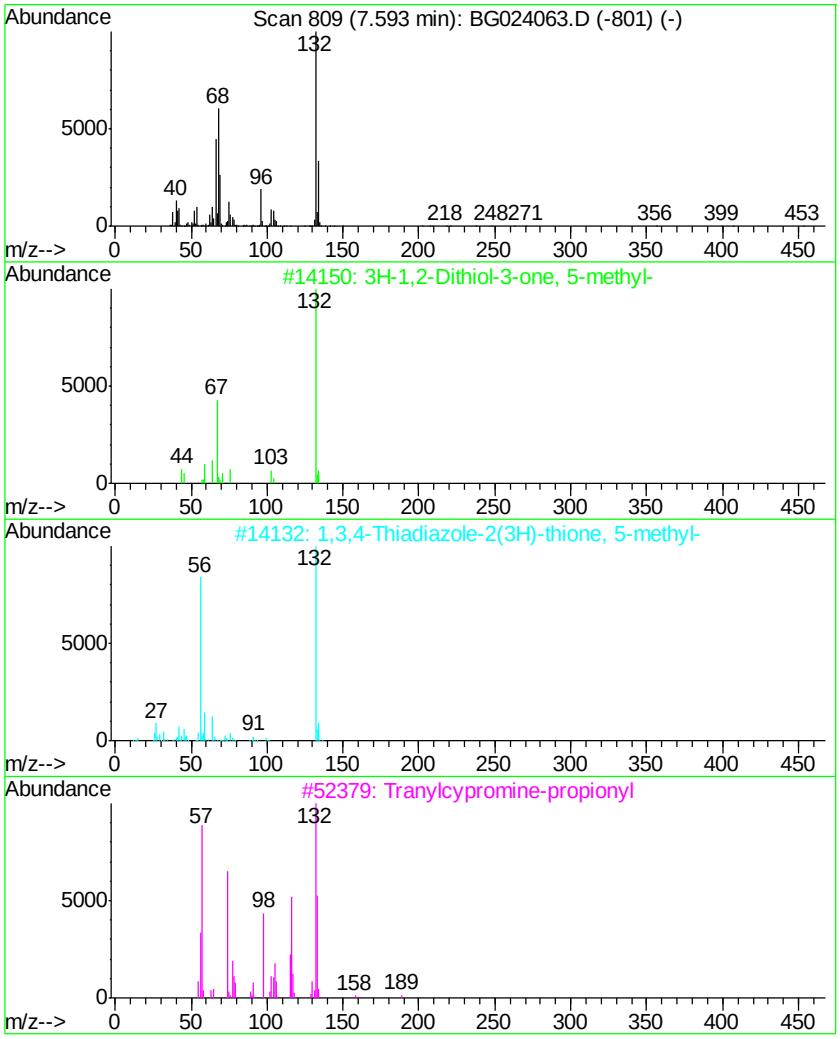
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

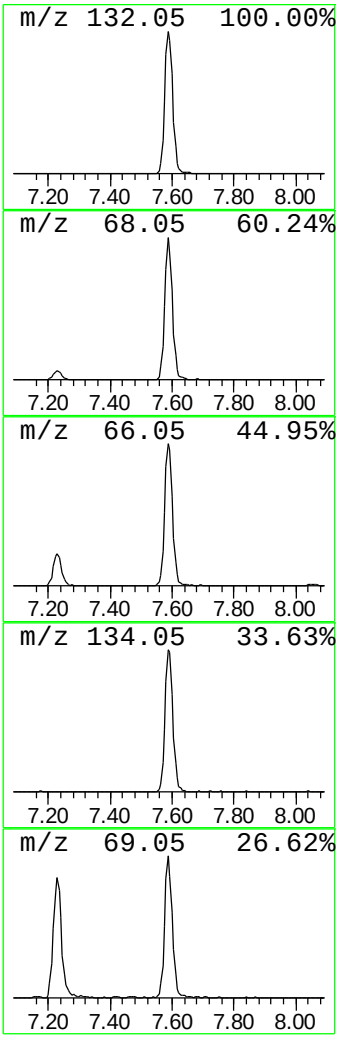
****

Peak Number 3 unknown7.59 Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.59	82.35 ng	1965300	1,4-Dichlorobenzene-d4	8.05

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3H-1,2-Dithiol-3-one, 5-methyl-	132	C4H4OS2	003620-08-4	14
2	1,3,4-Thiadiazole-2(3H)-thione, ...	132	C3H4N2S2	029490-19-5	10
3	Tranylcypromine-propionyl	189	C12H15NO	1000123-86-3	10
4	1H-Indazole, 7-methyl-	132	C8H8N2	1000316-00-7	10
5	Cyclopropanamine, 1-phenyl-	133	C9H11N	1000351-26-2	10





Data Path : Z:\HPCHEM1\BNA G\DATA\BG092116\
Data File : BG024063.D
Acq On : 21 Sep 2016 20:15
Operator : UM/SJ
Sample : H4819-04
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : YORK-SB2-02

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG083116.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

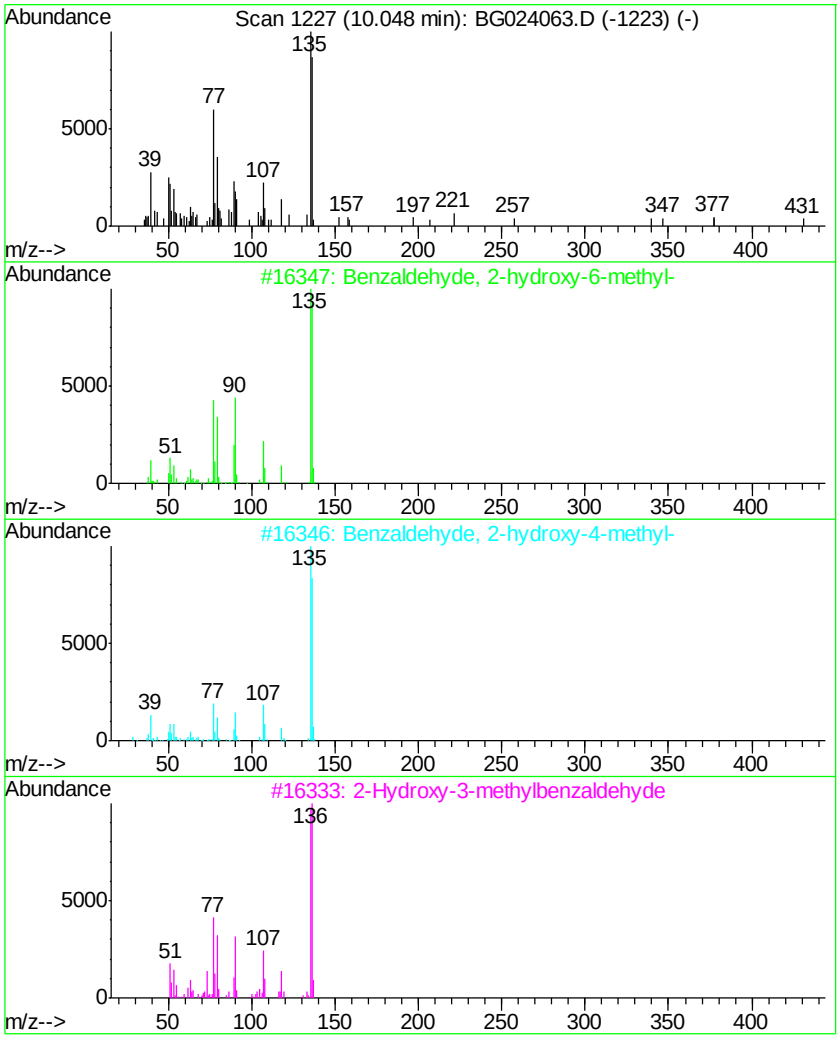
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

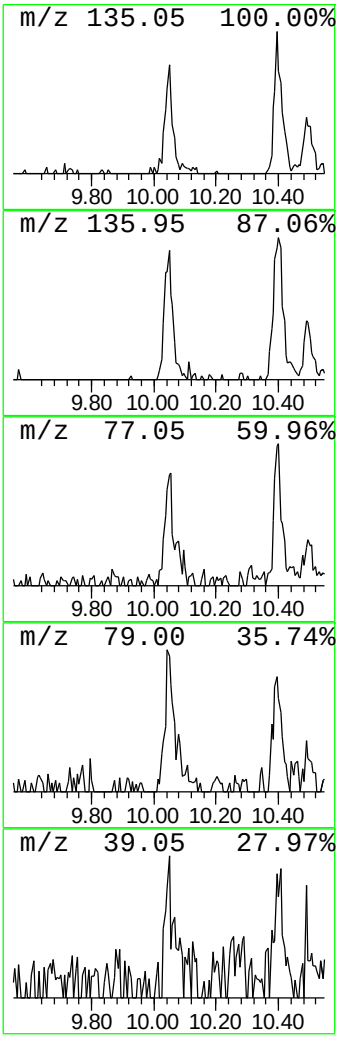
****

Peak Number 5 Benzaldehyde, 2-hydroxy-6-m... Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.05	2.14 ng	73153	Naphthalene-d8	10.89

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzaldehyde, 2-hydroxy-6-methyl-	136	C8H8O2	018362-36-2	93
2	Benzaldehyde, 2-hydroxy-4-methyl-	136	C8H8O2	000698-27-1	83
3	2-Hydroxy-3-methylbenzaldehyde	136	C8H8O2	000824-42-0	72
4	2-Hydroxy-5-methylbenzaldehyde	136	C8H8O2	000613-84-3	64
5	4-Hydroxy-3-methylbenzaldehyde	136	C8H8O2	015174-69-3	64





Data Path : Z:\HPCHEM1\BNA G\DATA\BG092116\
Data File : BG024063.D
Acq On : 21 Sep 2016 20:15
Operator : UM/SJ
Sample : H4819-04
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : YORK-SB2-02

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG083116.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

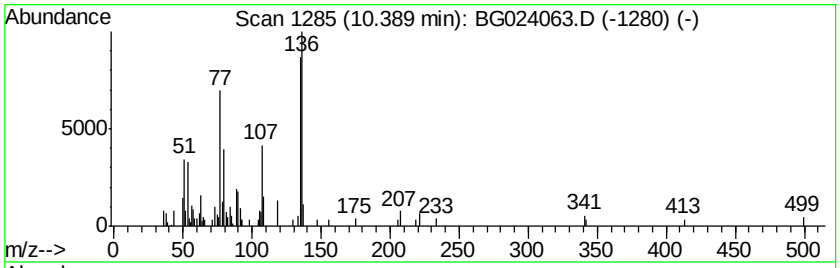
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

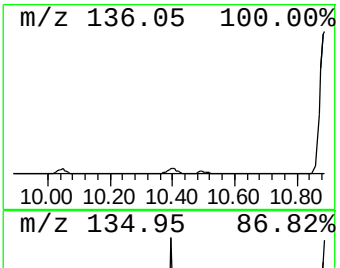
****

Peak Number 6 4-Hydroxy-3-methylbenzaldehyde Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.39	2.44 ng	83276	Naphthalene-d8	10.89

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4-Hydroxy-3-methylbenzaldehyde	136	C8H8O2	015174-69-3	74
2	3-Hydroxy-4-methylbenzaldehyde	136	C8H8O2	057295-30-4	72
3	4-Hydroxy-2-methylbenzaldehyde	136	C8H8O2	041438-18-0	68
4	Benzaldehyde, 4-methoxy-	136	C8H8O2	000123-11-5	52
5	2-Hydroxy-3-methylbenzaldehyde	136	C8H8O2	000824-42-0	43





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Acq On : 21 Sep 2016 20:15
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Sample : H4819-04
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : YORK-SB2-02

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG083116.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

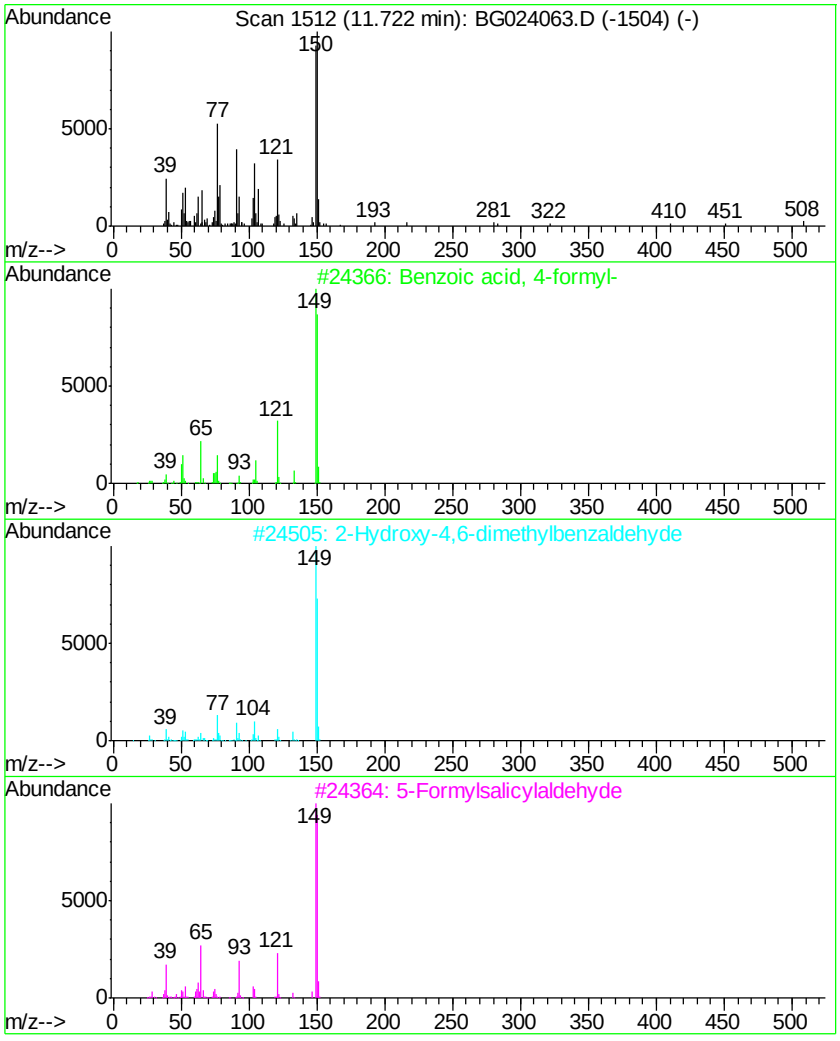
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

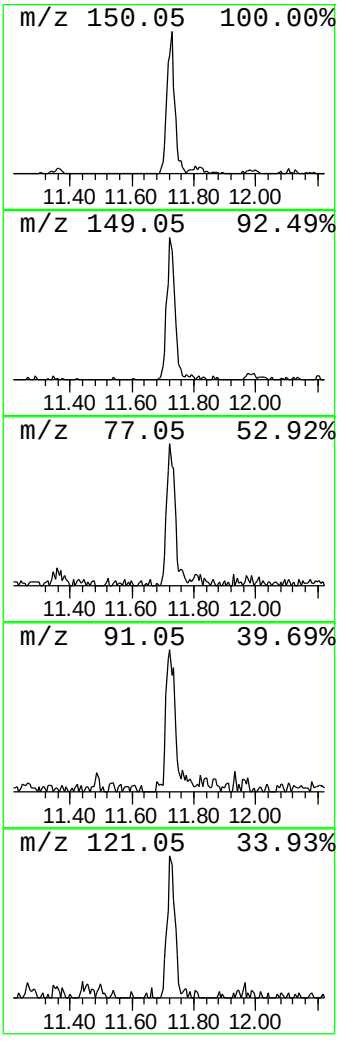
****

Peak Number 7 Benzoic acid, 4-formyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.72	6.39 ng	218188	Naphthalene-d8	10.89

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzoic acid, 4-formyl-	150	C8H6O3	000619-66-9	58
2	2-Hydroxy-4,6-dimethylbenzaldehyde	150	C9H10O2	001666-02-0	53
3	5-Formylsalicylaldehyde	150	C8H6O3	003328-70-9	52
4	Benzoic acid, 3-formyl-	150	C8H6O3	000619-21-6	52
5	2,4,6-Trimethyl-1,3-phenylenedia...	150	C9H14N2	003102-70-3	50





Data Path : Z:\HPCHEM1\BNA G\DATA\BG092116\
Data File : BG024063.D
Acq On : 21 Sep 2016 20:15
Operator : UM/SJ
Sample : H4819-04
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : YORK-SB2-02

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG083116.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

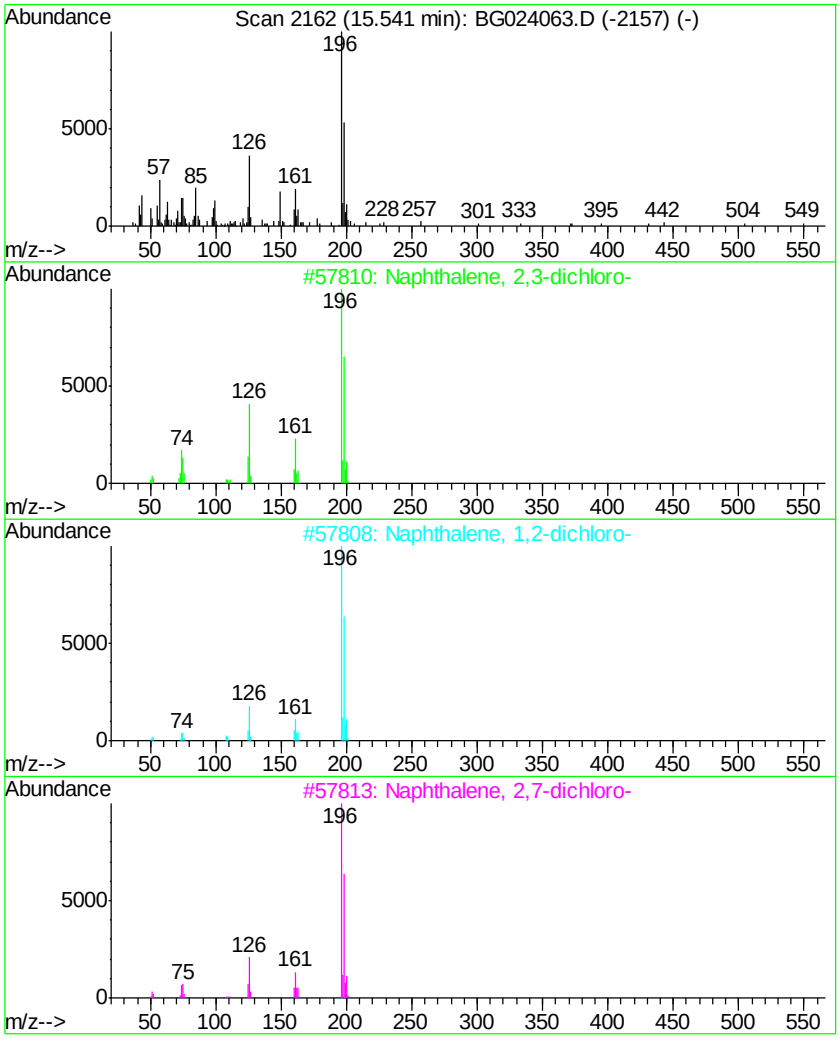
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

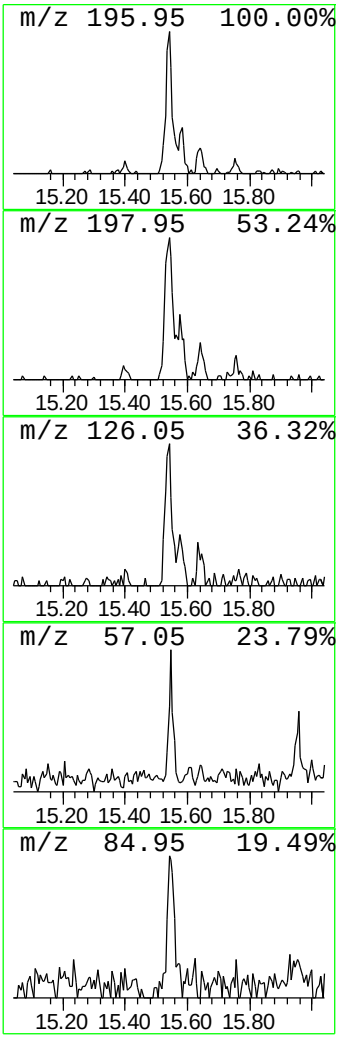
****

Peak Number 8 Naphthalene, 2,3-dichloro- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.54	2.19 ng	97805	Acenaphthene-d10	14.73

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,3-dichloro-	196	C10H6Cl2	002050-75-1	94
2	Naphthalene, 1,2-dichloro-	196	C10H6Cl2	002050-69-3	93
3	Naphthalene, 2,7-dichloro-	196	C10H6Cl2	002198-77-8	93
4	1-(1,2-Dichloroethenyl)-4-ethynv...	196	C10H6Cl2	1000283-76-7	91
5	Naphthalene, 1,4-dichloro-	196	C10H6Cl2	001825-31-6	91





Data Path : Z:\HPCHEM1\BNA G\DATA\BG092116\
Data File : BG024063.D
Acq On : 21 Sep 2016 20:15
Operator : UM/SJ
Sample : H4819-04
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : YORK-SB2-02

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG083116.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

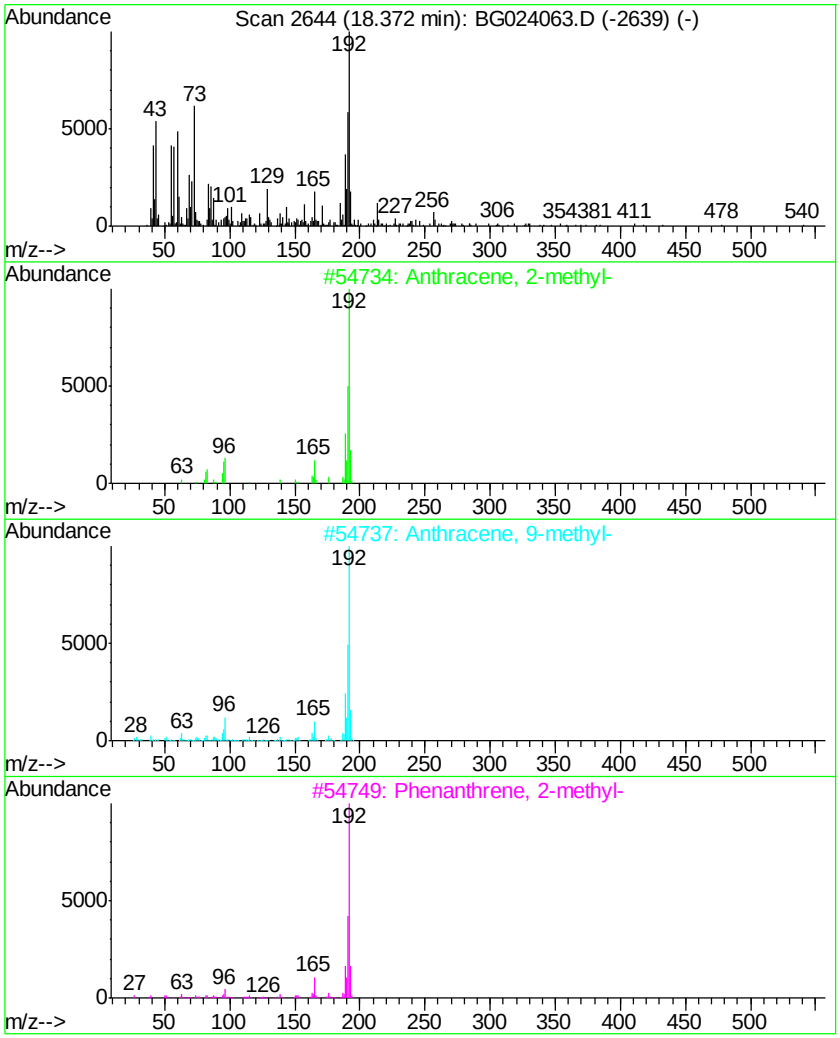
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

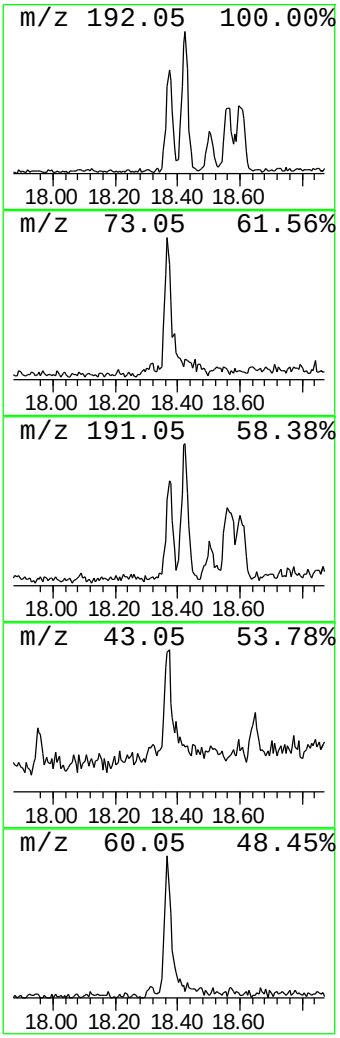
****

Peak Number 10 unknown18.37 Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.37	8.10 ng	387791	Phenanthrene-d10	17.49

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 2-methyl-	192	C15H12	000613-12-7	43
2	Anthracene, 9-methyl-	192	C15H12	000779-02-2	42
3	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	42
4	1H-Indene, 1-phenyl-	192	C15H12	001961-96-2	42
5	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	38





Data Path : Z:\HPCHEM1\BNA G\DATA\BG092116\
Data File : BG024063.D
Acq On : 21 Sep 2016 20:15
Operator : UM/SJ
Sample : H4819-04
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : YORK-SB2-02

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG083116.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

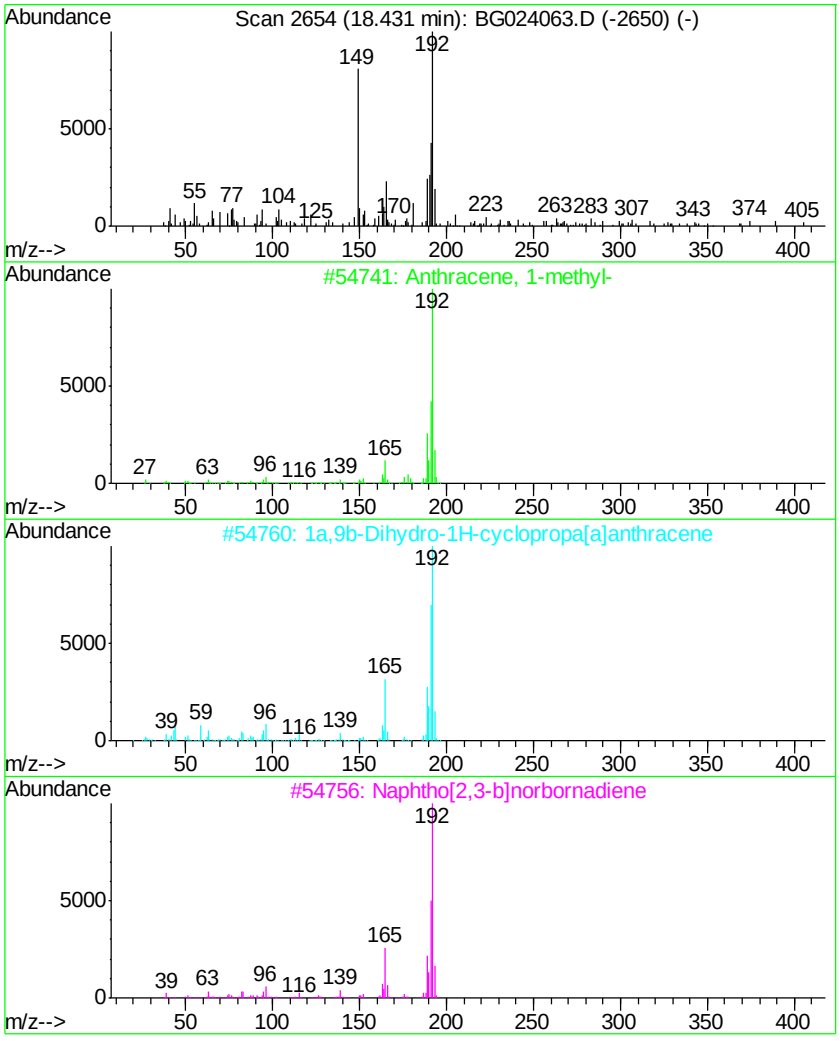
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

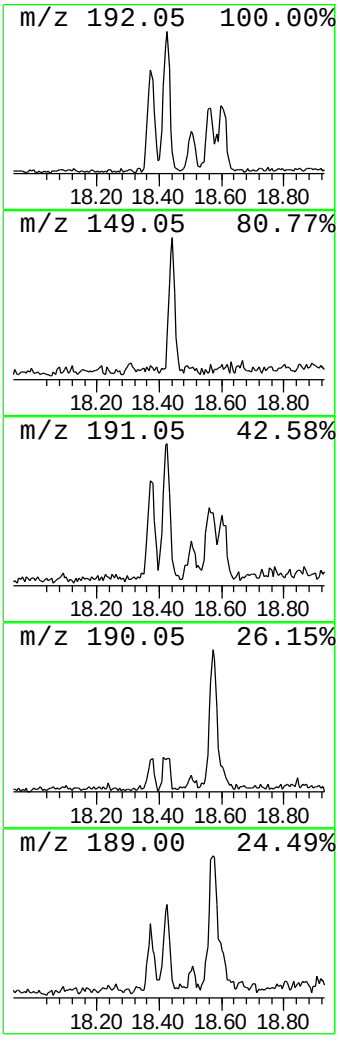
****

Peak Number 11 Anthracene, 1-methyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.43	4.07 ng	194613	Phenanthrene-d10	17.49

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 1-methyl-	192	C15H12	000610-48-0	81
2	1a,9b-Dihydro-1H-cyclopropa[a]an...	192	C15H12	006109-24-6	81
3	Naphtho[2,3-b]norbornadiene	192	C15H12	107426-38-0	81
4	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	76
5	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	76





Data Path : Z:\HPCHEM1\BNA G\DATA\BG092116\
Data File : BG024063.D
Acq On : 21 Sep 2016 20:15
Operator : UM/SJ
Sample : H4819-04
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : YORK-SB2-02

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG083116.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

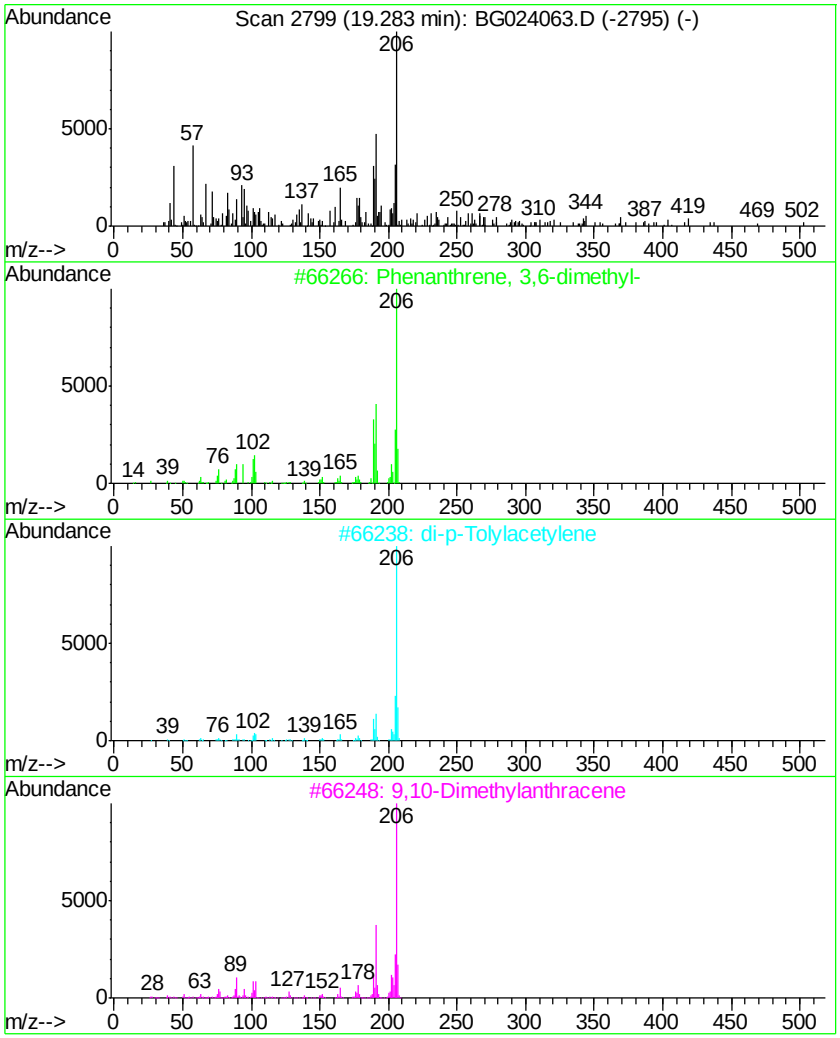
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

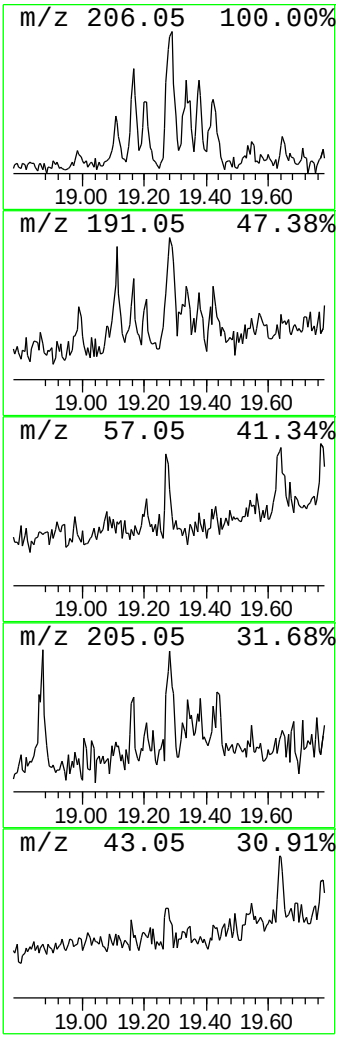
****

Peak Number 12 Phenanthrene, 3,6-dimethyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.28	2.97 ng	142045	Phenanthrene-d10	17.49

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	90
2	di-p-Tolylacetylene	206	C16H14	002789-88-0	81
3	9,10-Dimethylanthracene	206	C16H14	000781-43-1	81
4	Anthracene, 1,4-dimethyl-	206	C16H14	000781-92-0	76
5	Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	74





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG092116\
Data File : BG024063.D
Acq On : 21 Sep 2016 20:15
Operator : UM/SJ
Sample : H4819-04
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : YORK-SB2-02

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG083116.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
Propane, 2,2-dime...	2.92	257.8	ng	6153800	1	8.05	477331	20.0
2-Pentanone, 4-hy...	5.12	14.0	ng	333666	1	8.05	477331	20.0
unknown7.59	7.59	82.3	ng	1965300	1	8.05	477331	20.0
Benzaldehyde, 2-h...	10.05	2.1	ng	73153	2	10.89	682587	20.0
4-Hydroxy-3-methy...	10.39	2.4	ng	83276	2	10.89	682587	20.0
Benzoic acid, 4-f...	11.72	6.4	ng	218188	2	10.89	682587	20.0
Naphthalene, 2,3-...	15.54	2.2	ng	97805	3	14.73	892084	20.0
unknown18.37	18.37	8.1	ng	387791	4	17.49	957241	20.0
Anthracene, 1-met...	18.43	4.1	ng	194613	4	17.49	957241	20.0
Phenanthrene, 3,6...	19.28	3.0	ng	142045	4	17.49	957241	20.0