LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG092116\
Data File : BG024052.D
Acq On : 21 Sep 2016 13:14
Operator : UM/SJ
Sample : H4820-13
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : YORK-TP2-02

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	2.923	9	14	27	rVB	4026588	5891955	100.00%	16.895%
2	5.114	382	387	393	rBV	185817	273940	4.65%	0.785%
3	5.596	463	469	480	rBV	901275	1501678	25.49%	4.306%
4	6.700	652	657	664	rVB4	39780	67722	1.15%	0.194%
5	7.217	738	745	758	rBV	988856	1808509	30.69%	5.186%
6	7.582	799	807	818	rVB	963083	1685558	28.61%	4.833%
7	8.046	880	886	895	rVB2	230169	398885	6.77%	1.144%
8	8.369	934	941	951	rVB	606703	1087782	18.46%	3.119%
9	9.226	1080	1087	1100	rBV	613145	1178249	20.00%	3.379%
10	10.877	1360	1368	1378	rBV	311129	580395	9.85%	1.664%
11	13.333	1780	1786	1794	rBV	1495582	2284393	38.77%	6.550%
12	14.167	1923	1928	1936	rBV	410841	598672	10.16%	1.717%
13	14.725	2013	2023	2029	rBV	578721	956981	16.24%	2.744%
14	16.223	2272	2278	2291	rBV	1616085	2509606	42.59%	7.196%
15	17.151	2430	2436	2440	rBV4	36847	64988	1.10%	0.186%
16	17.486	2487	2493	2497	rBV	796509	1164355	19.76%	3.339%
17	17.527	2497	2500	2508	rVB	445890	656515	11.14%	1.882%
18	17.621	2513	2516	2522	rBV	38862	62745	1.06%	0.180%
19	18.361	2637	2642	2648	rBV2	251653	452473	7.68%	1.297%
20	18.414	2648	2651	2659	rVV3	121647	219649	3.73%	0.630%
21	18.555	2670	2675	2680	rVV5	60594	122634	2.08%	0.352%
22	18.596	2680	2682	2687	rVB	55208	74564	1.27%	0.214%
23	18.860	2723	2727	2732	rBV	69478	95162	1.62%	0.273%
24	18.919	2733	2737	2744	rVB2	65687	105441	1.79%	0.302%
25	19.272	2794	2797	2803	rBV3	46808	73019	1.24%	0.209%
26	19.430	2820	2824	2828	rVB4	76868	115598	1.96%	0.331%
27	19.542	2838	2843	2850	rVB	748916	1037451	17.61%	2.975%
28	19.630	2854	2858	2873	rVB2	344693	602343	10.22%	1.727%
29	19.877	2896	2900	2901	rBV2	67607	79094	1.34%	0.227%
30	19.906	2901	2905	2911	rVB	698600	995094	16.89%	2.853%
31	20.094	2932	2937	2943	rBV	2715750	3487372	59.19%	10.000%
32	20.376	2980	2985	2987	rBV5	93333	159715	2.71%	0.458%
33	21.181	3118	3122	3127	rVB	93310	132557	2.25%	0.380%
34	21.792	3218	3226	3231	rBV2	837078	1722843	29.24%	4.940%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG092116\
Data File : BG024052.D
Acq On : 21 Sep 2016 13:14
Operator : UM/SJ
Sample : H4820-13
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : YORK-TP2-02

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

35	21.839	3231	3234	3241	rVB	235327	378838	6.43%	1.086%
36	24.071	3608	3614	3631	rVB3	201008	864112	14.67%	2.478%
37	24.970	3764	3767	3781	rVB2	140063	351490	5.97%	1.008%
38	25.128	3787	3794	3805	rVB3	361961	1032456	17.52%	2.960%

Sum of corrected areas: 34874833

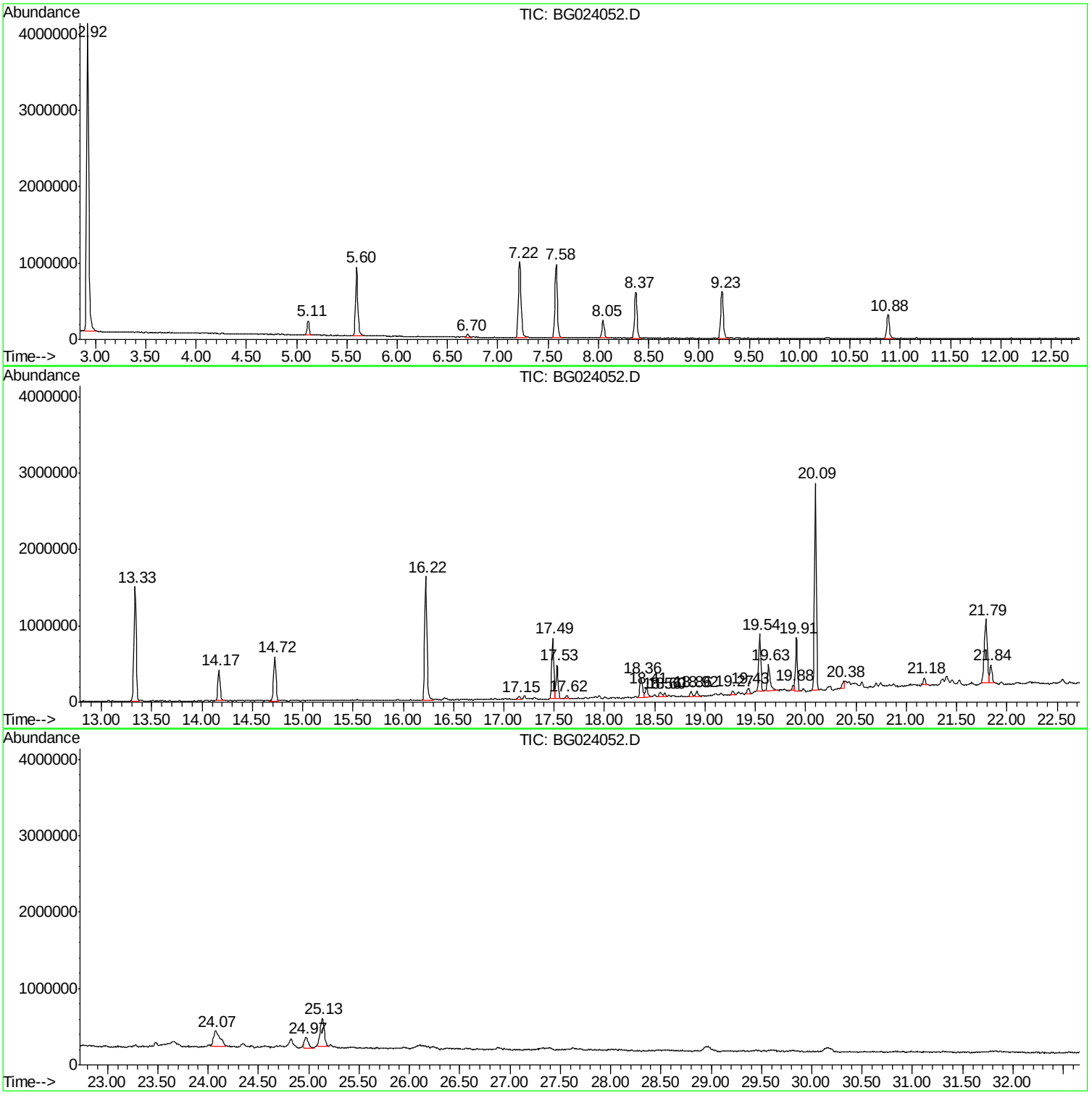
LSC Report - Integrated Chromatogram

Data Path : Z:\HPCHEM1\BNA G\DATA\BG092116\
Data File : BG024052.D
Acq On : 21 Sep 2016 13:14
Operator : UM/SJ
Sample : H4820-13
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : YORK-TP2-02

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 : BG024052.D
Acq On : 21 Sep 2016 13:14
Operator : UM/SJ
Sample : H4820-13
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : YORK-TP2-02

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

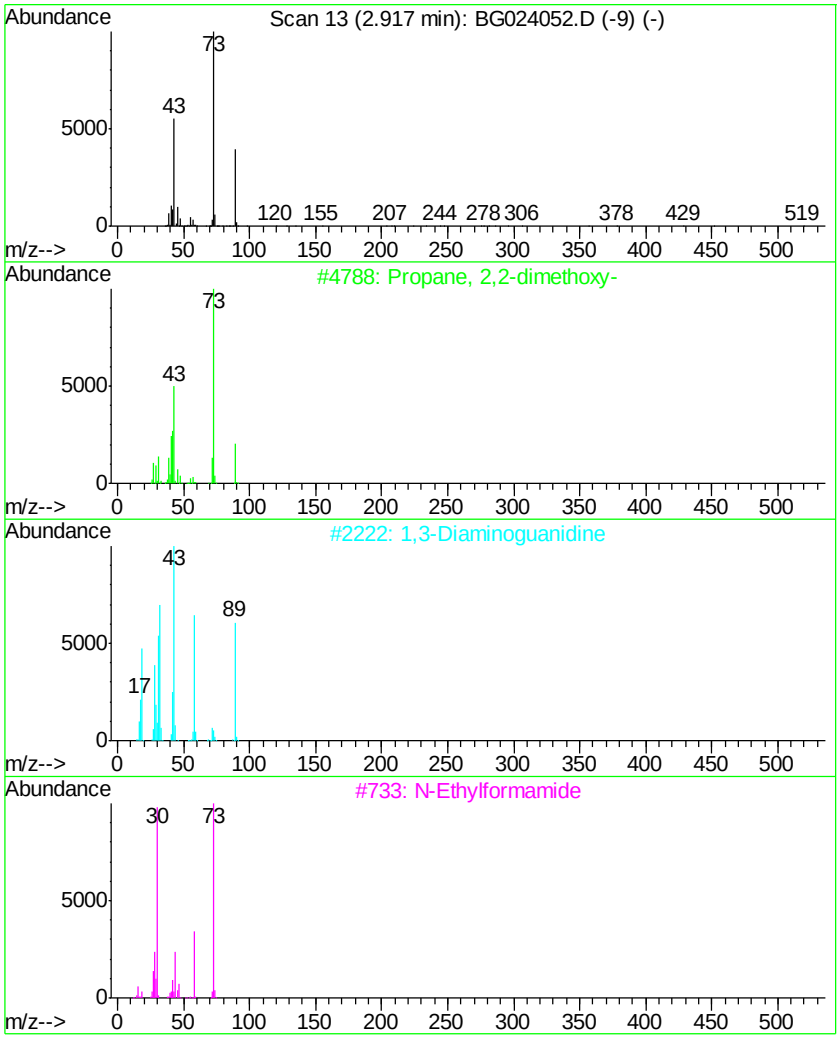
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

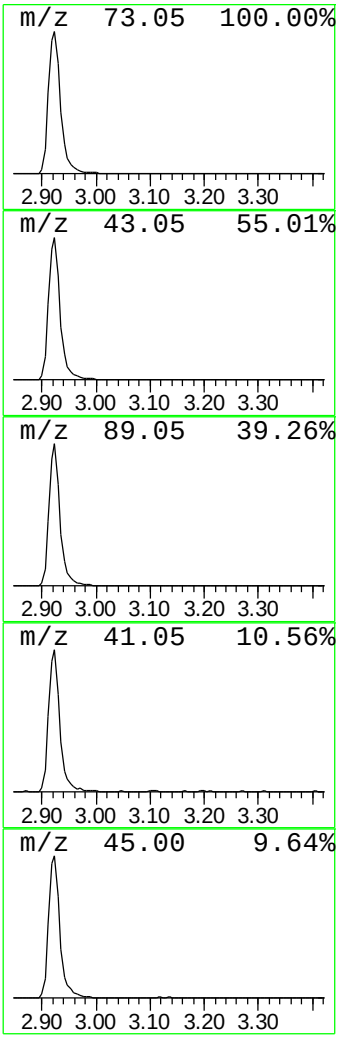
****

Peak Number 1 unknown2.92 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.92	295.42 ng	5891960	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	42
2	1,3-Diaminoguanidine	89	CH7N5	004364-78-7	25
3	N-Ethylformamide	73	C3H7NO	000627-45-2	9
4	1-Propanol, 2-methyl-	74	C4H10O	000078-83-1	9
5	Propane, 2-methoxy-2-methyl-	88	C5H12O	001634-04-4	9





Data Path : Z:\HPCHEM1\BNA G\DATA\BG092116\
Data File : BG024052.D
Acq On : 21 Sep 2016 13:14
Operator : UM/SJ
Sample : H4820-13
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : YORK-TP2-02

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

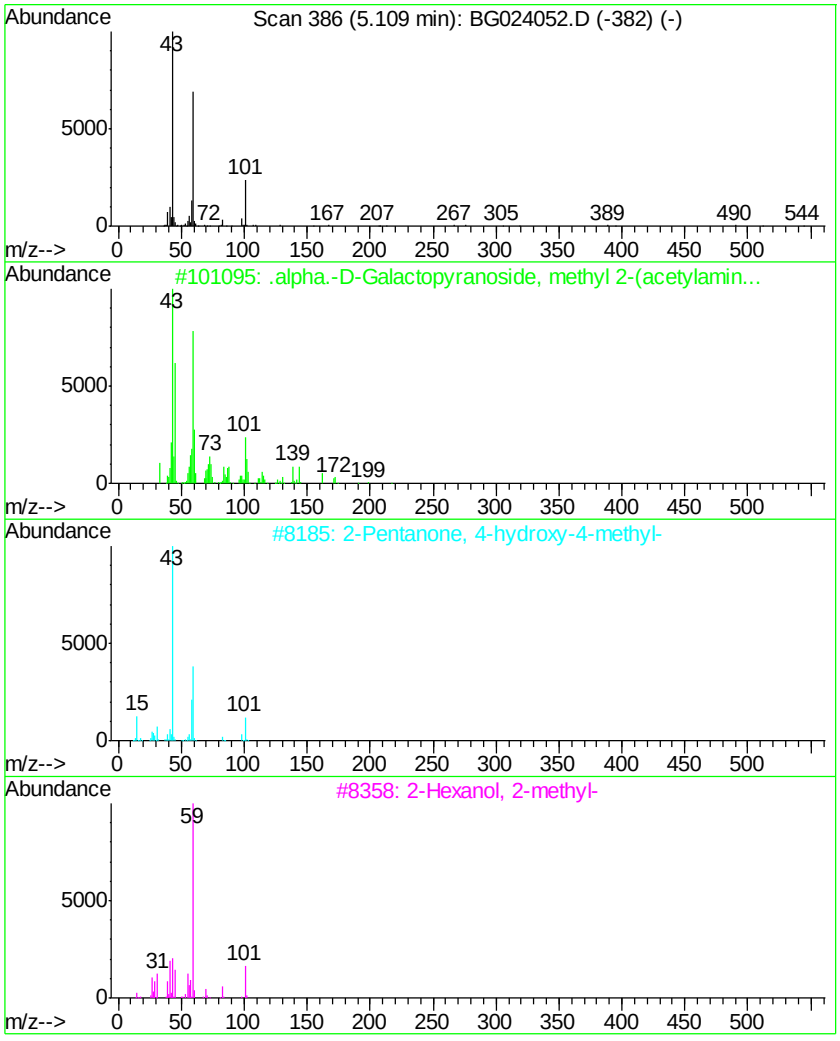
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

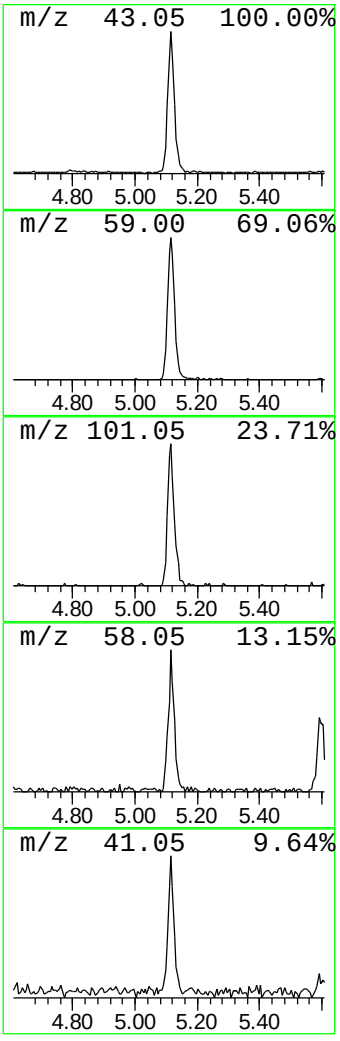
****

Peak Number 2 unknown5.11 Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.11	13.74 ng	273940	1,4-Dichlorobenzene-d4	8.05

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	.alpha.-D-Galactopyranoside, met...	249	C10H19NO6	017296-07-0	39
2	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	38
3	2-Hexanol, 2-methyl-	116	C7H16O	000625-23-0	17
4	Thiocyanic acid, propyl ester	101	C4H7NS	004251-16-5	9
5	Morpholine, 4-methyl-	101	C5H11NO	000109-02-4	9





Data Path : Z:\HPCHEM1\BNA G\DATA\BG092116\
Data File : BG024052.D
Acq On : 21 Sep 2016 13:14
Operator : UM/SJ
Sample : H4820-13
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : YORK-TP2-02

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

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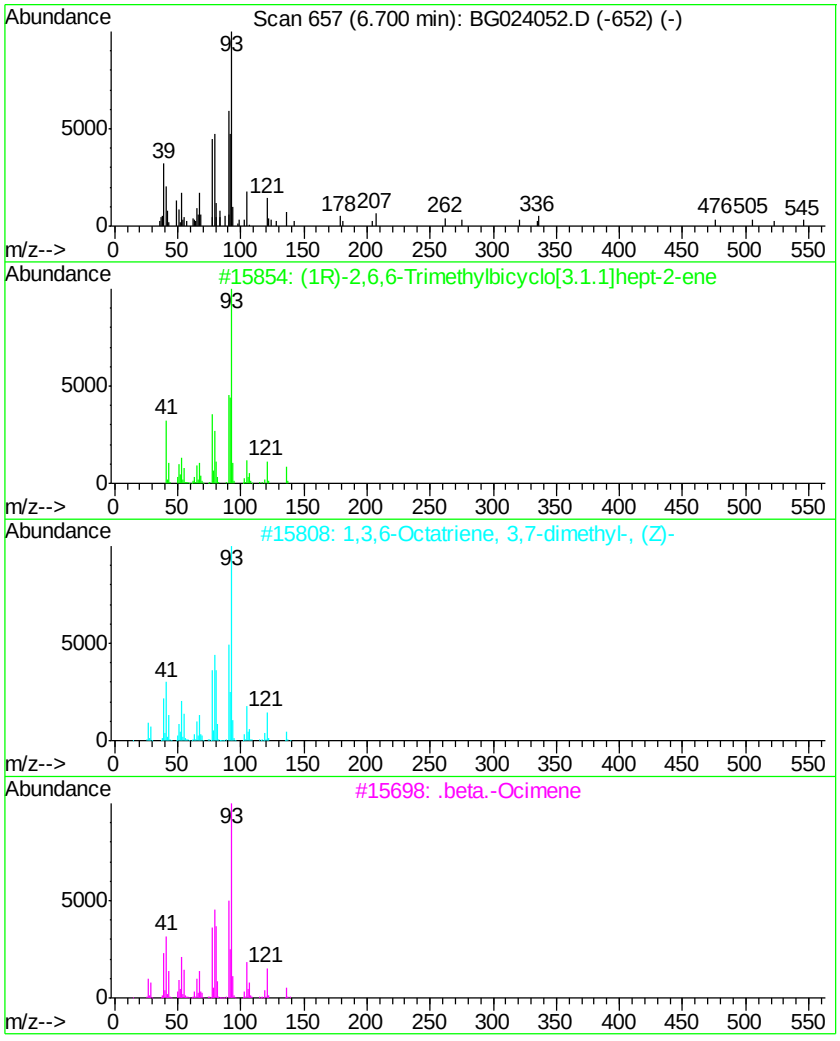
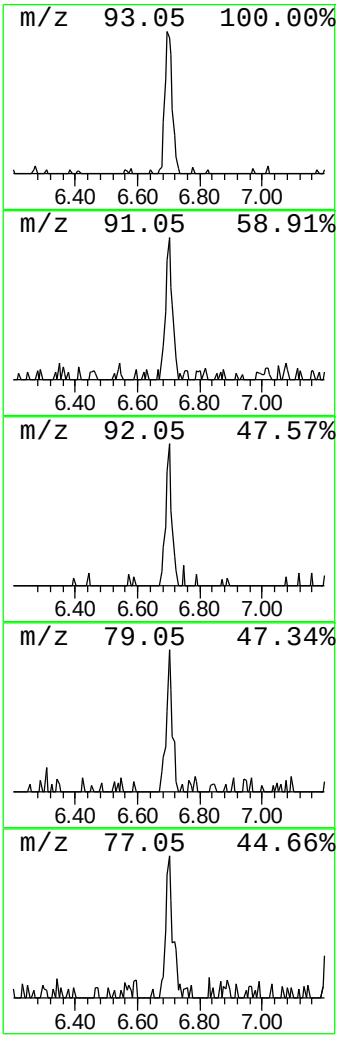
Peak Number 3 (1R)-2,6,6-Trimethylbicyclo... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.70	3.40 ng	67722	1,4-Dichlorobenzene-d4	8.05

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	(1R)-2,6,6-Trimethylbicyclo[3.1....	136	C10H16	007785-70-8	90
2	1,3,6-Octatriene, 3,7-dimethyl-,...	136	C10H16	003338-55-4	81
3	.beta.-Ocimene	136	C10H16	013877-91-3	81
4	.alpha.-Pinene	136	C10H16	000080-56-8	81
5	trans-.beta.-Ocimene	136	C10H16	003779-61-1	72





Data Path : Z:\HPCHEM1\BNA G\DATA\BG092116\
Data File : BG024052.D
Acq On : 21 Sep 2016 13:14
Operator : UM/SJ
Sample : H4820-13
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : YORK-TP2-02

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

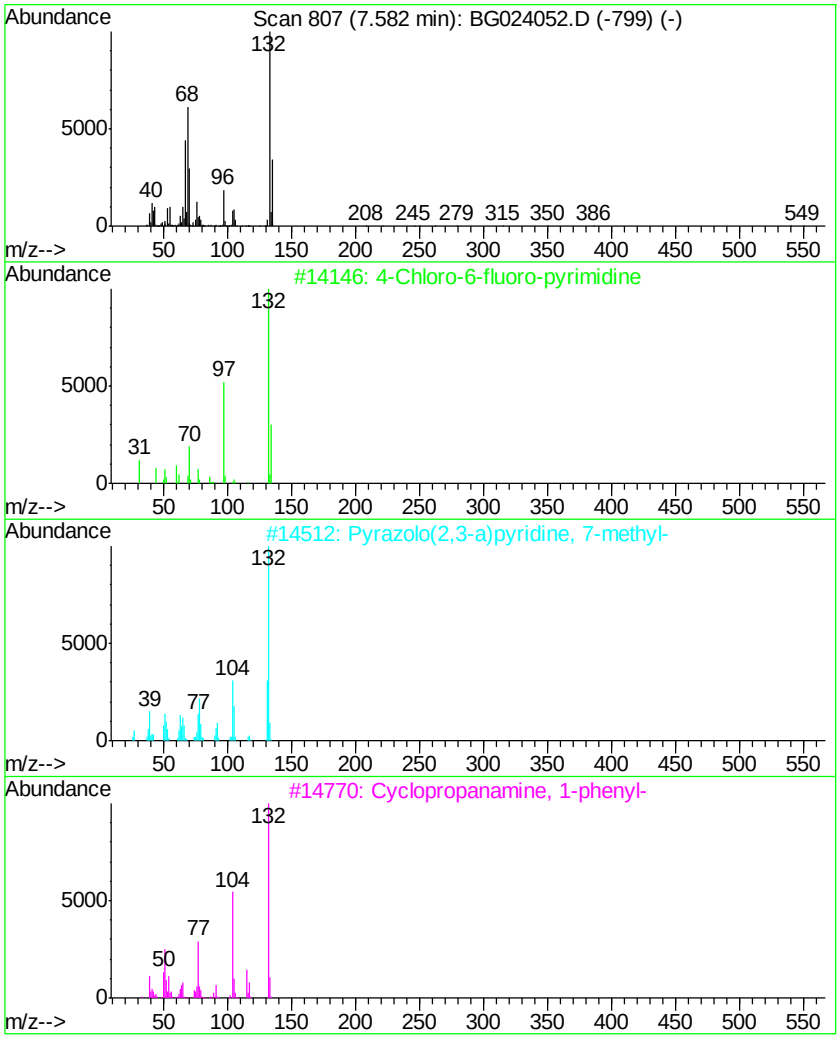
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

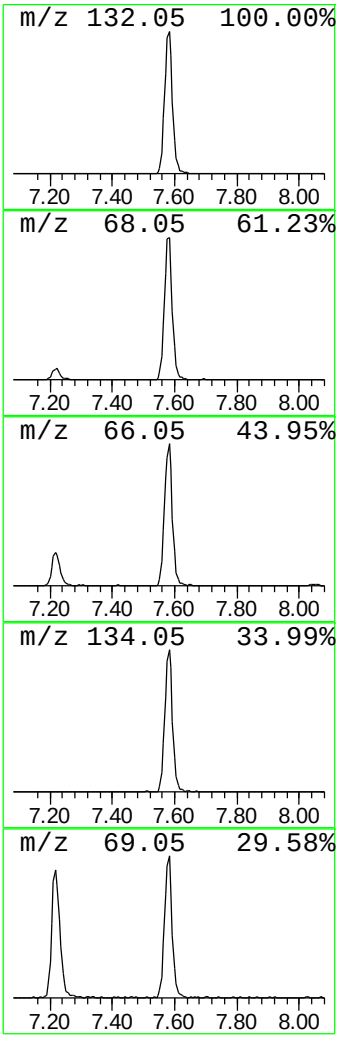
****

Peak Number 4 unknown7.58 Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.58	84.51 ng	1685560	1,4-Dichlorobenzene-d4	8.05

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4-Chloro-6-fluoro-pyrimidine	132	C4H2ClFN2	051422-01-6	14
2	Pyrazolo(2,3-a)pyridine, 7-methyl-	132	C8H8N2	034760-58-2	10
3	Cyclopropanamine, 1-phenyl-	133	C9H11N	1000351-26-2	10
4	1H-Benzimidazole, 2-methyl-	132	C8H8N2	000615-15-6	10
5	(E)-3-Chloro-2-methyl-2-pentenal	132	C6H9ClO	031357-76-3	9





Data Path : Z:\HPCHEM1\BNA G\DATA\BG092116\
Data File : BG024052.D
Acq On : 21 Sep 2016 13:14
Operator : UM/SJ
Sample : H4820-13
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : YORK-TP2-02

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

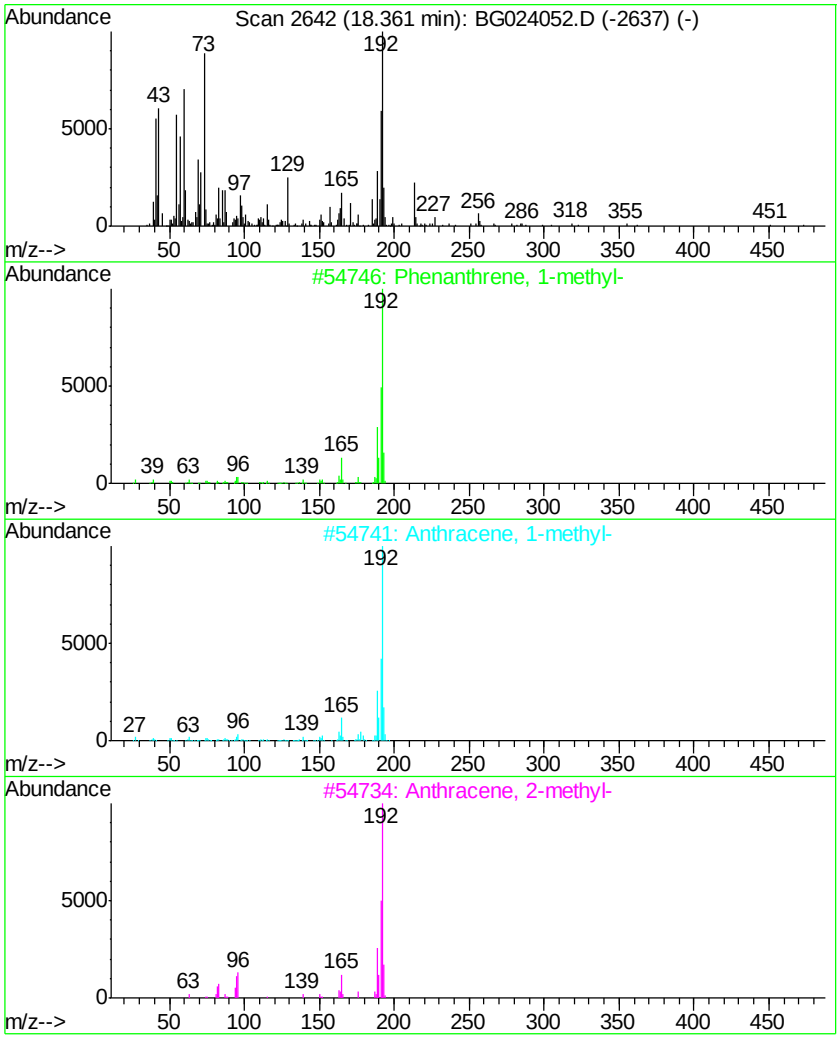
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

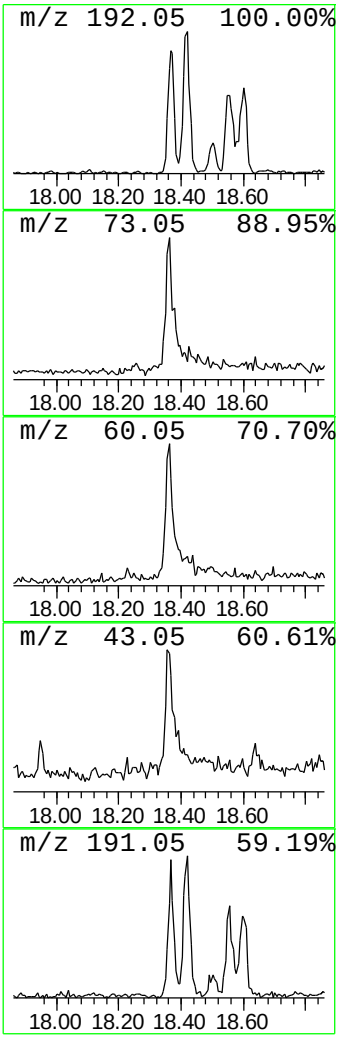
****

Peak Number 6 Phenanthrene, 1-methyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.36	7.77 ng	452473	Phenanthrene-d10	17.49

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	90
2	Anthracene, 1-methyl-	192	C15H12	000610-48-0	89
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	78
4	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	64
5	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	64





Data Path : Z:\HPCHEM1\BNA G\DATA\BG092116\
Data File : BG024052.D
Acq On : 21 Sep 2016 13:14
Operator : UM/SJ
Sample : H4820-13
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : YORK-TP2-02

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

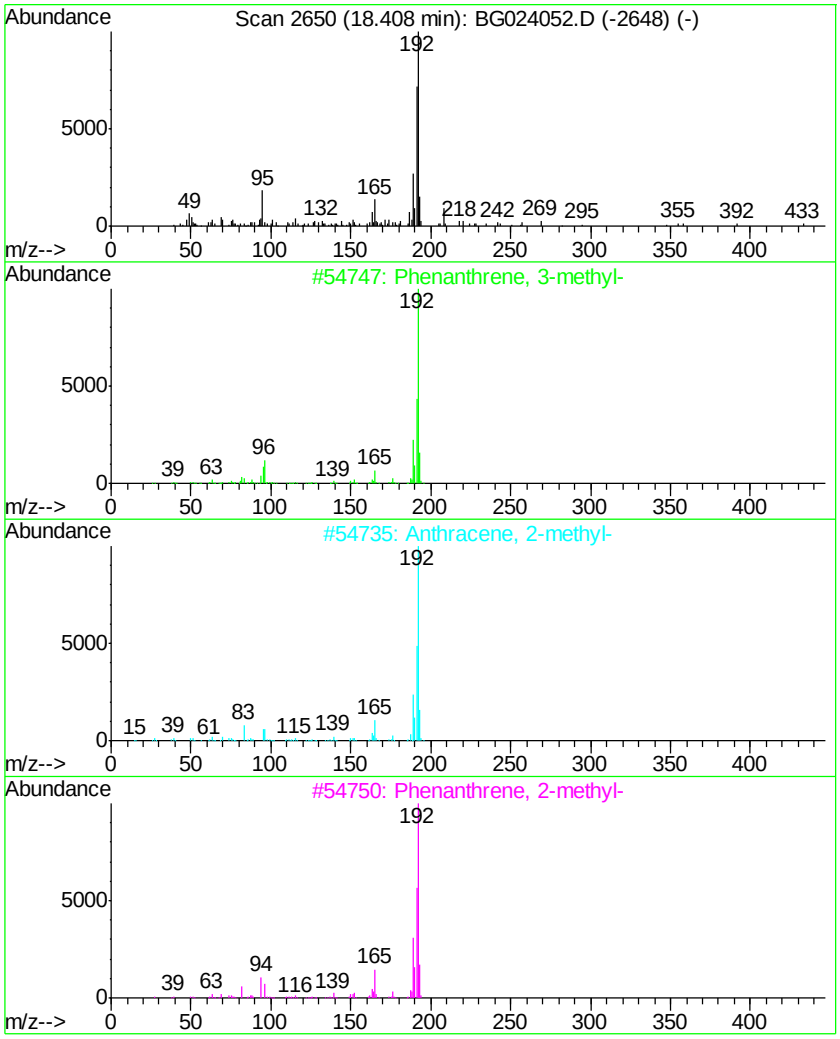
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

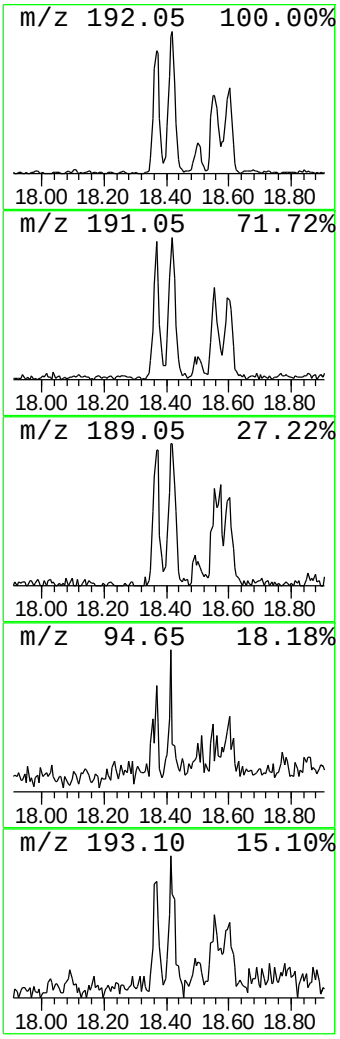
****

Peak Number 7 Phenanthrene, 3-methyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.41	3.77 ng	219649	Phenanthrene-d10	17.49

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 3-methyl-	192	C15H12	000832-71-3	93
2	Anthracene, 2-methyl-	192	C15H12	000613-12-7	91
3	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	90
4	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	90
5	1H-Indene, 1-phenyl-	192	C15H12	001961-96-2	90





Data Path : Z:\HPCHEM1\BNA G\DATA\BG092116\
Data File : BG024052.D
Acq On : 21 Sep 2016 13:14
Operator : UM/SJ
Sample : H4820-13
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : YORK-TP2-02

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

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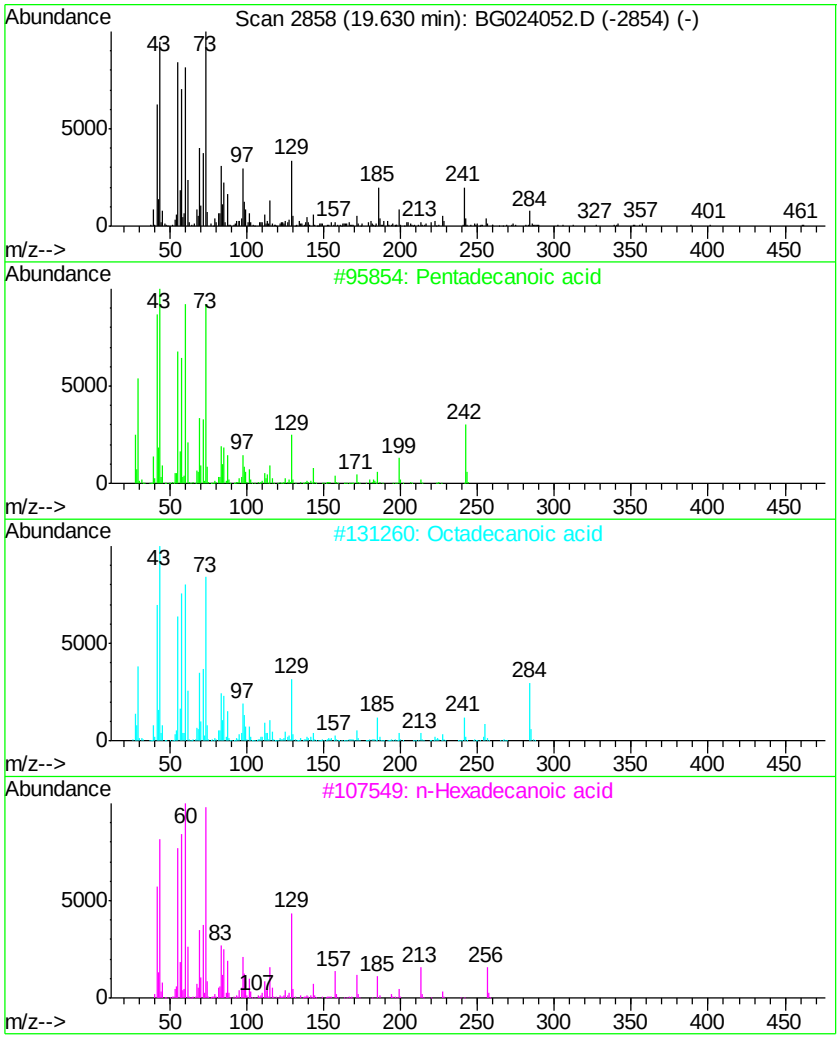
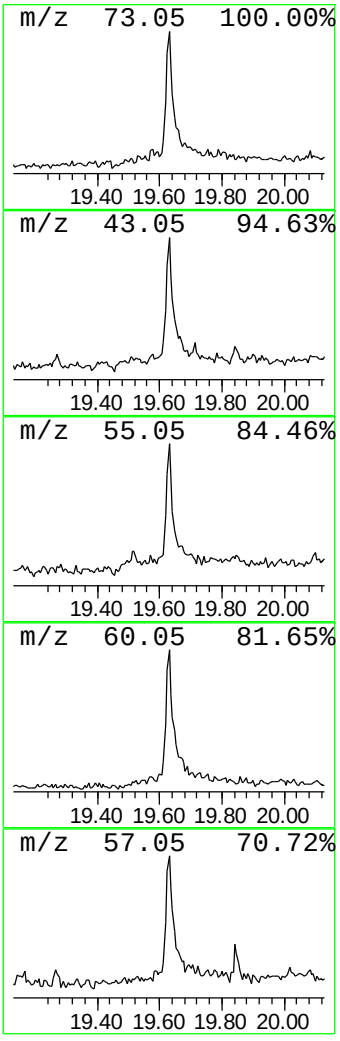
Peak Number 9 Pentadecanoic acid Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.63	10.35 ng	602343	Phenanthrene-d10	17.49

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentadecanoic acid	242	C15H30O2	001002-84-2	89
2	Octadecanoic acid	284	C18H36O2	000057-11-4	74
3	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	64
4	Tridecanoic acid	214	C13H26O2	000638-53-9	59
5	Tetradecanoic acid	228	C14H28O2	000544-63-8	52





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG092116\
Data File : BG024052.D
Acq On : 21 Sep 2016 13:14
Operator : UM/SJ
Sample : H4820-13
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : YORK-TP2-02

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
unknown2.92	2.92	295.4	ng	5891960	1	8.05	398885	20.0
unknown5.11	5.11	13.7	ng	273940	1	8.05	398885	20.0
(1R)-2,6,6-Trimet...	6.70	3.4	ng	67722	1	8.05	398885	20.0
unknown7.58	7.58	84.5	ng	1685560	1	8.05	398885	20.0
Phenanthrene, 1-m...	18.36	7.8	ng	452473	4	17.49	1164360	20.0
Phenanthrene, 3-m...	18.41	3.8	ng	219649	4	17.49	1164360	20.0
Pentadecanoic acid	19.63	10.4	ng	602343	4	17.49	1164360	20.0