LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG092116\
Data File : BG024058.D
Acq On : 21 Sep 2016 17:04
Operator : UM/SJ
Sample : H4820-11
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : YORK-SB4-02

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	2.921	9	14	32	rVB	4675702	7145592	100.00%	17.504%
2	5.118	382	388	396	rVB	257906	404009	5.65%	0.990%
3	5.600	463	470	482	rBV	1248827	2042415	28.58%	5.003%
4	7.221	740	746	759	rBV	1360297	2447596	34.25%	5.996%
5	7.586	800	808	816	rBV	1330649	2374964	33.24%	5.818%
6	8.050	880	887	895	rBV	287743	492650	6.89%	1.207%
7	8.373	935	942	954	rBV	988962	1744777	24.42%	4.274%
8	9.230	1080	1088	1101	rBV	942087	1721235	24.09%	4.216%
9	10.881	1362	1369	1376	rBV	395106	710854	9.95%	1.741%
10	13.337	1777	1787	1794	rBV	2321186	3589405	50.23%	8.793%
11	14.171	1923	1929	1934	rBV	543433	789503	11.05%	1.934%
12	14.723	2014	2023	2031	rVV	641901	1028046	14.39%	2.518%
13	15.128	2087	2092	2098	rVB2	47153	83344	1.17%	0.204%
14	15.780	2197	2203	2211	rBV5	29563	83046	1.16%	0.203%
15	16.227	2273	2279	2290	rBV	1832115	2807541	39.29%	6.878%
16	16.415	2307	2311	2319	rVB7	44919	91178	1.28%	0.223%
17	17.155	2431	2437	2440	rBV2	62292	99131	1.39%	0.243%
18	17.214	2443	2447	2454	rBV7	55549	106681	1.49%	0.261%
19	17.490	2488	2494	2498	rBV2	717771	1120823	15.69%	2.746%
20	17.531	2498	2501	2508	rVB	458340	676163	9.46%	1.656%
21	17.631	2513	2518	2521	rVB	72955	112355	1.57%	0.275%
22	18.365	2639	2643	2648	rVV2	258703	401976	5.63%	0.985%
23	18.418	2648	2652	2658	rVB2	175492	287455	4.02%	0.704%
24	18.559	2672	2676	2681	rBV3	126394	240223	3.36%	0.588%
25	18.864	2724	2728	2734	rBV2	79177	145439	2.04%	0.356%
26	18.917	2735	2737	2743	rVB4	55798	89923	1.26%	0.220%
27	19.282	2795	2799	2805	rBV2	113779	175969	2.46%	0.431%
28	19.546	2840	2844	2850	rVB	723748	1044577	14.62%	2.559%
29	19.646	2856	2861	2869	rVB	102963	205840	2.88%	0.504%
30	19.916	2903	2907	2914	rVB	686181	1005118	14.07%	2.462%
31	20.104	2933	2939	2944	rBV	3427516	4351083	60.89%	10.659%
32	21.802	3220	3228	3233	rBV2	776459	1883880	26.36%	4.615%
33	21.849	3233	3236	3245	rVB	346484	546773	7.65%	1.339%
34	25.144	3793	3797	3808	rVB3	314054	772010	10.80%	1.891%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG092116\
Data File : BG024058.D
Acq On : 21 Sep 2016 17:04
Operator : UM/SJ
Sample : H4820-11
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : YORK-SB4-02

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: 40821574

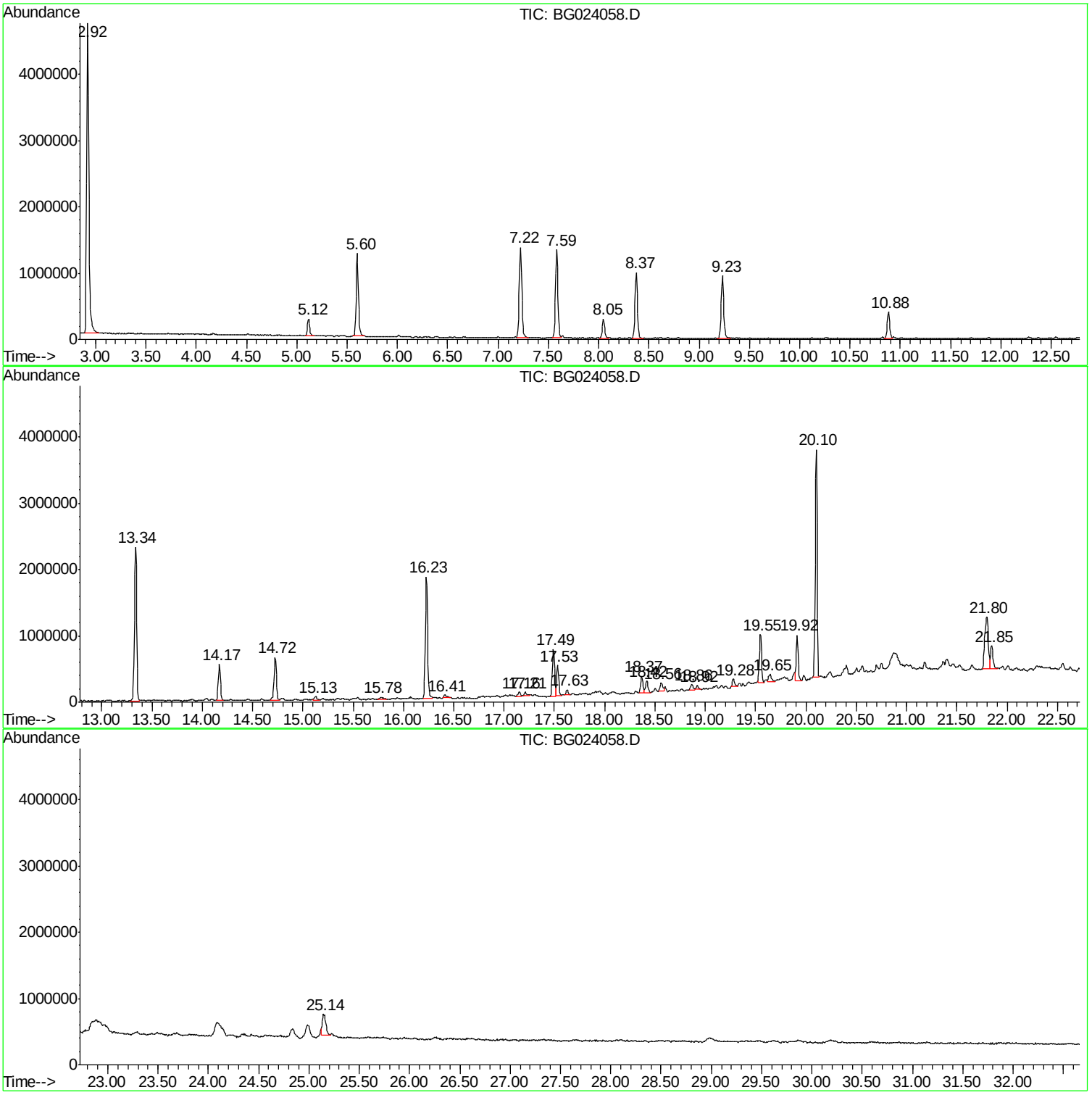
LSC Report - Integrated Chromatogram

Data Path : Z:\HPCHEM1\BNA G\DATA\BG092116\
Data File : BG024058.D
Acq On : 21 Sep 2016 17:04
Operator : UM/SJ
Sample : H4820-11
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : YORK-SB4-02

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



Data Path : Z:\HPCHEM1\BNA G\DATA\BG092116\
Data File : BG024058.D
Acq On : 21 Sep 2016 17:04
Operator : UM/SJ
Sample : H4820-11
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : YORK-SB4-02

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

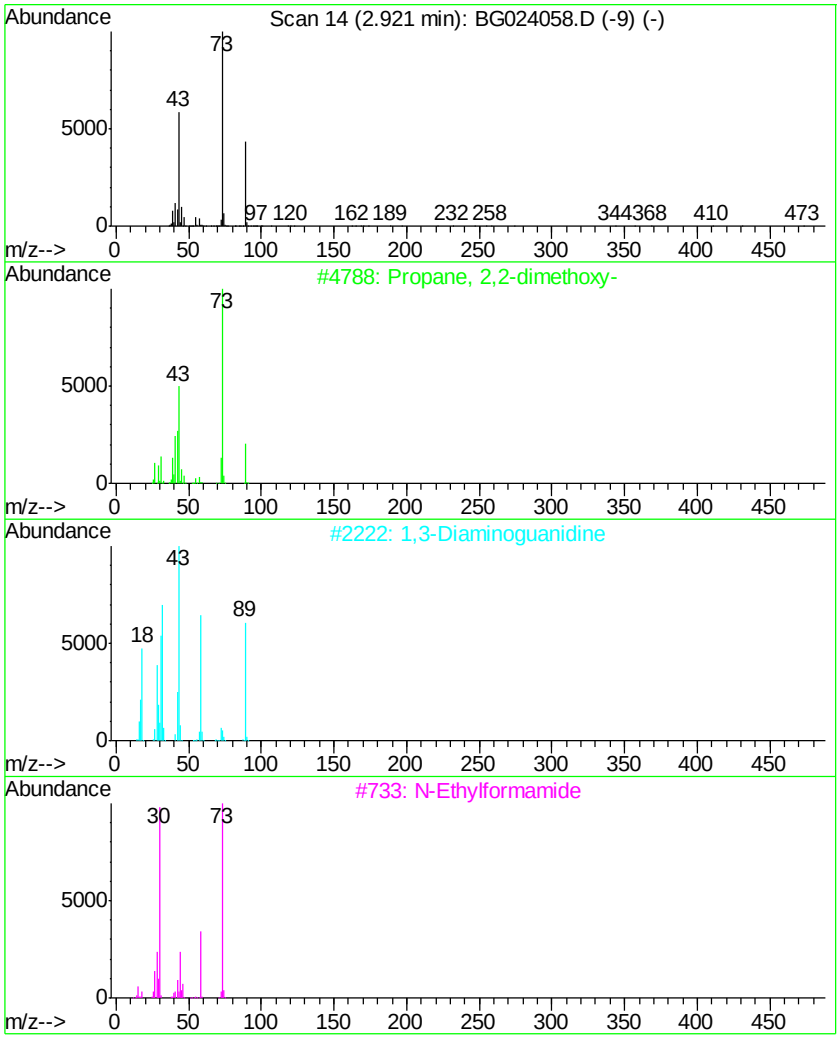
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

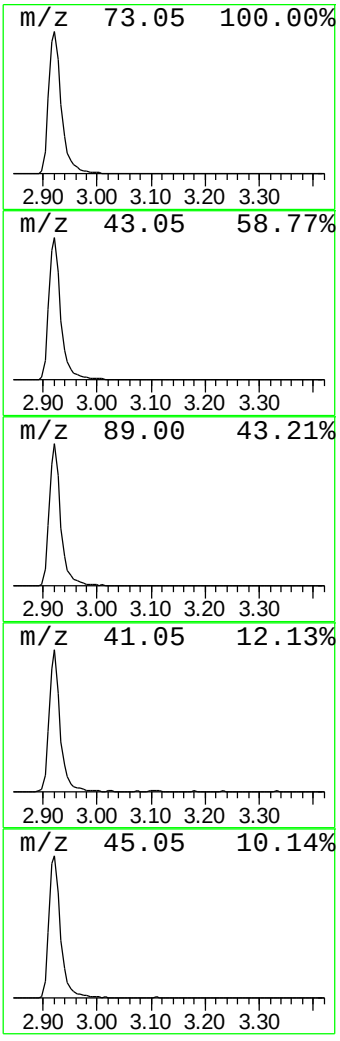
****

Peak Number 1 unknown2.92 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.92	290.09 ng	7145590	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	45
2	1,3-Diaminoguanidine	89	CH7N5	004364-78-7	28
3	N-Ethylformamide	73	C3H7NO	000627-45-2	9
4	Propane, 2-methoxy-2-methyl-	88	C5H12O	001634-04-4	9
5	1-(2-Methoxyethoxy)-2-methyl-2-p...	162	C8H18O3	1000364-24-4	9





Data Path : Z:\HPCHEM1\BNA G\DATA\BG092116\
Data File : BG024058.D
Acq On : 21 Sep 2016 17:04
Operator : UM/SJ
Sample : H4820-11
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : YORK-SB4-02

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

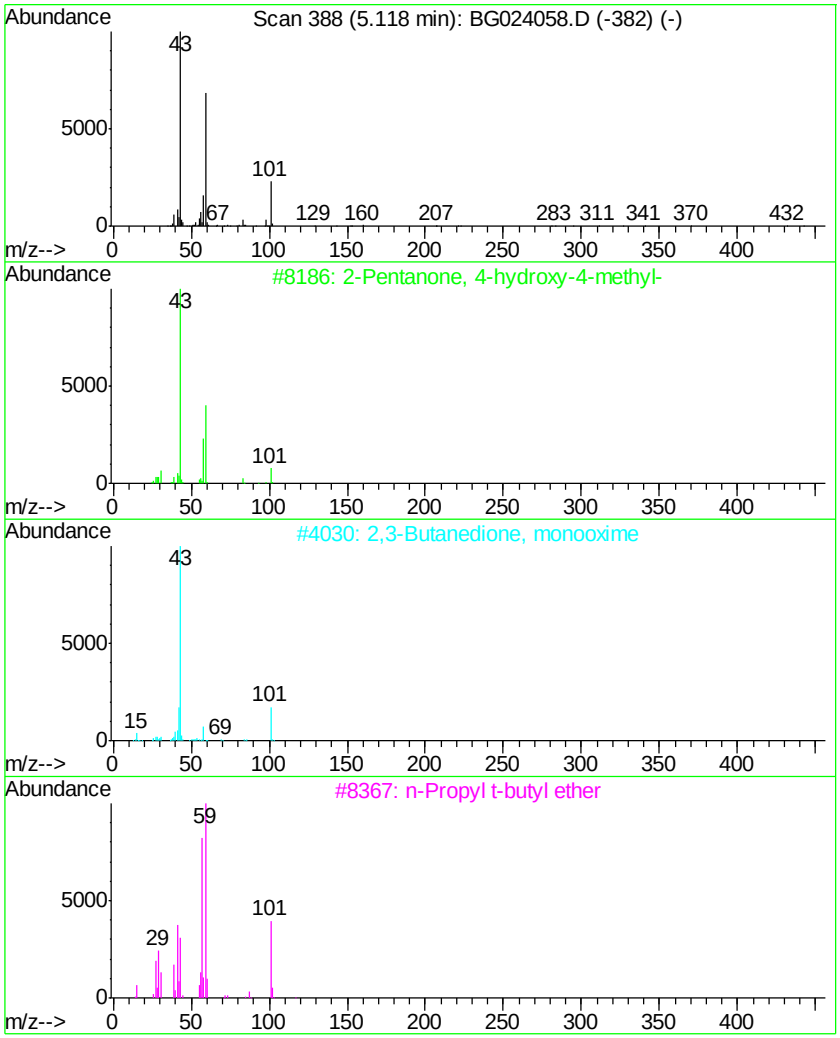
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

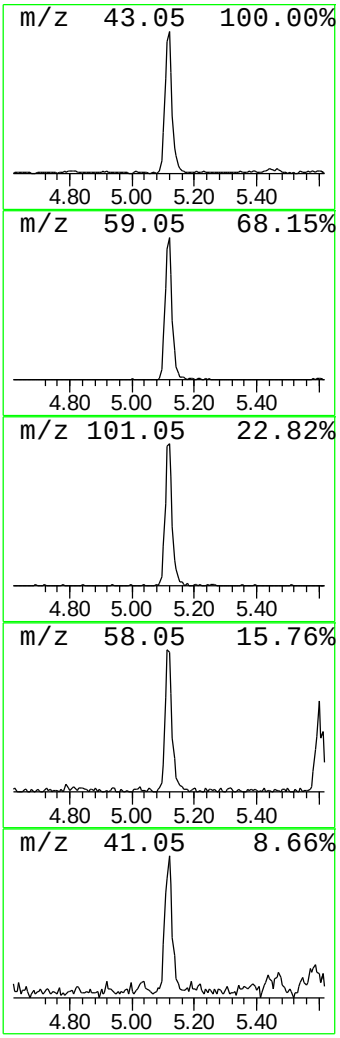
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.12	16.40 ng	404009	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	2,3-Butanedione, monooxime	101	C4H7NO2	000057-71-6	35
3	n-Propyl t-butyl ether	116	C7H16O	1000334-81-9	33
4	Dimethadione	129	C5H7NO3	000695-53-4	33
5	Butane, 1-ethoxy-	102	C6H14O	000628-81-9	9





Data Path : Z:\HPCHEM1\BNA G\DATA\BG092116\
Data File : BG024058.D
Acq On : 21 Sep 2016 17:04
Operator : UM/SJ
Sample : H4820-11
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : YORK-SB4-02

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

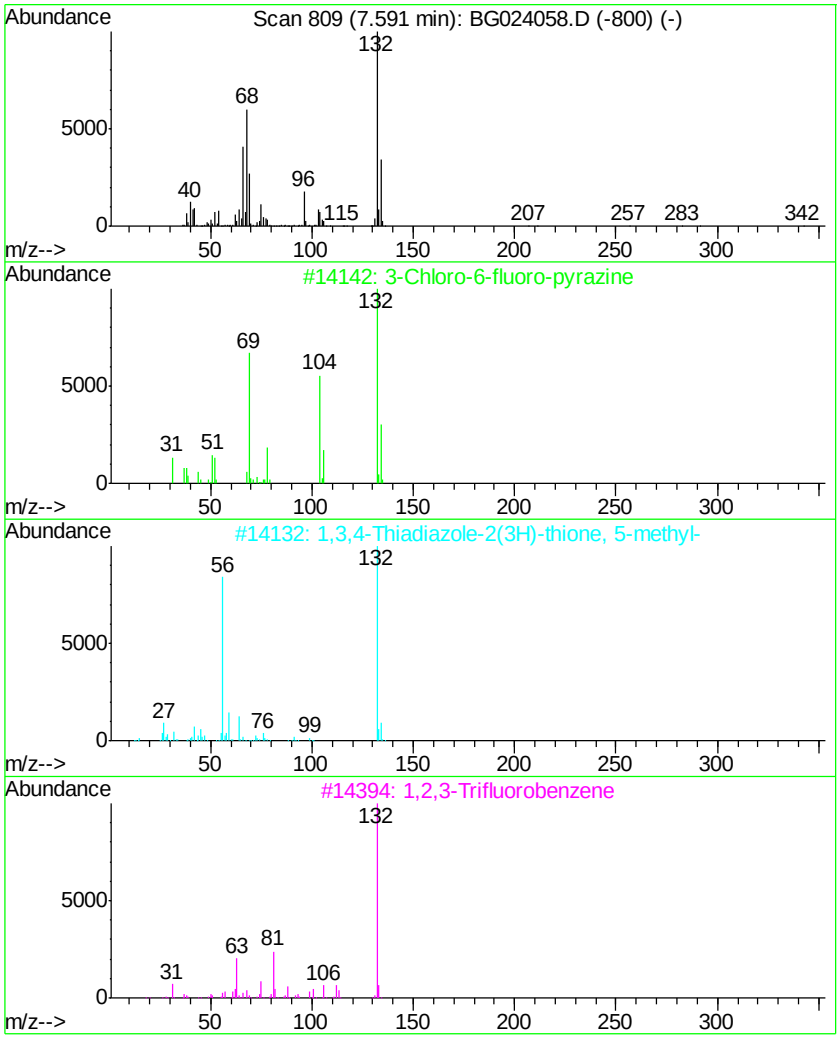
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

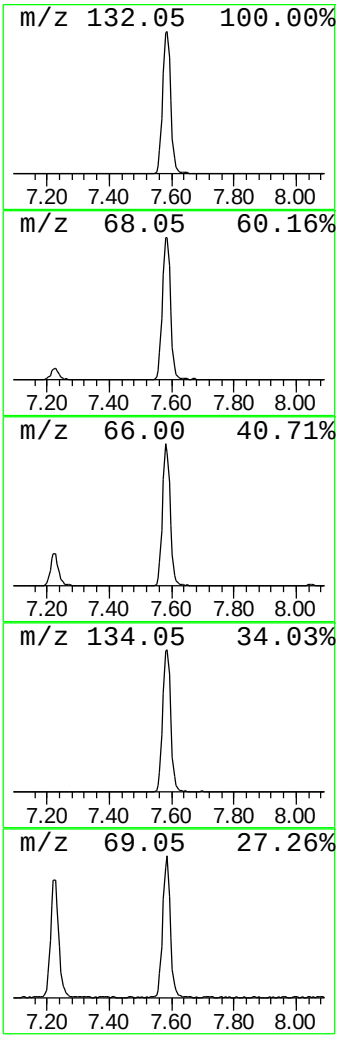
****

Peak Number 3 unknown7.59 Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.59	96.42 ng	2374960	1,4-Dichlorobenzene-d4	8.05

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	14
2	1,3,4-Thiadiazole-2(3H)-thione, ...	132	C3H4N2S2	029490-19-5	14
3	1,2,3-Trifluorobenzene	132	C6H3F3	001489-53-8	9
4	1,2,4-Trifluorobenzene	132	C6H3F3	000367-23-7	9
5	1H-Indol-4-amine	132	C8H8N2	005192-23-4	9





Data Path : Z:\HPCHEM1\BNA G\DATA\BG092116\
Data File : BG024058.D
Acq On : 21 Sep 2016 17:04
Operator : UM/SJ
Sample : H4820-11
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : YORK-SB4-02

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

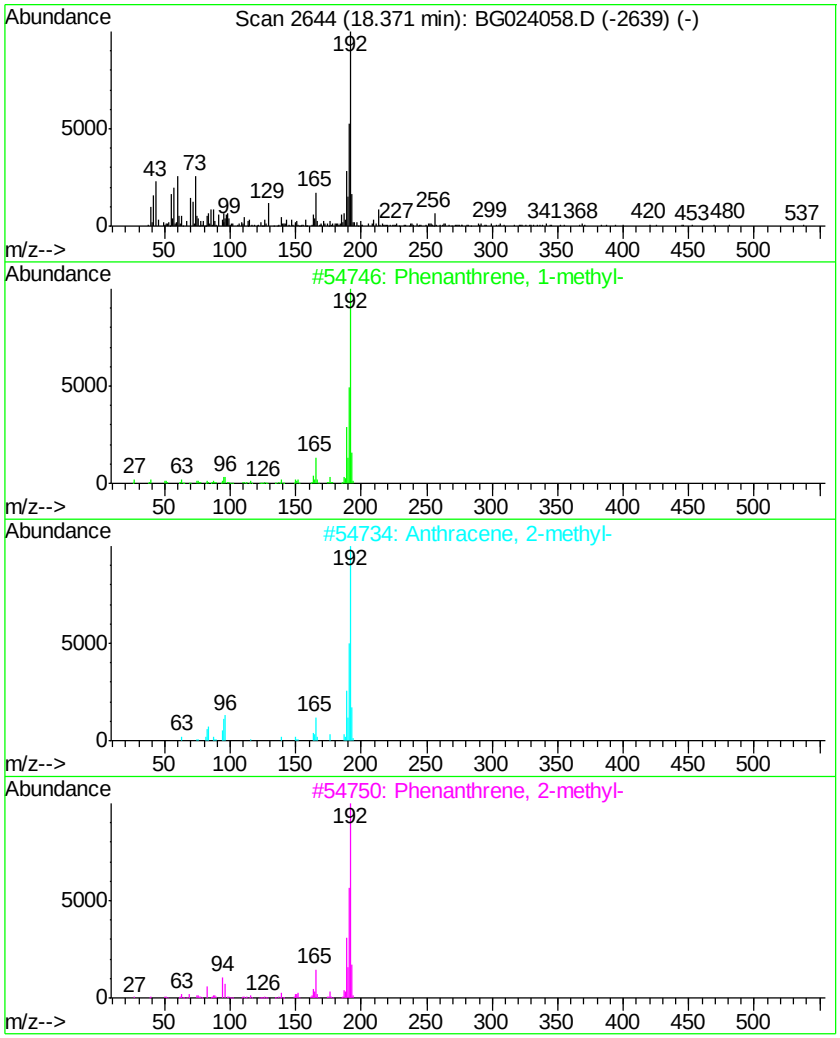
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

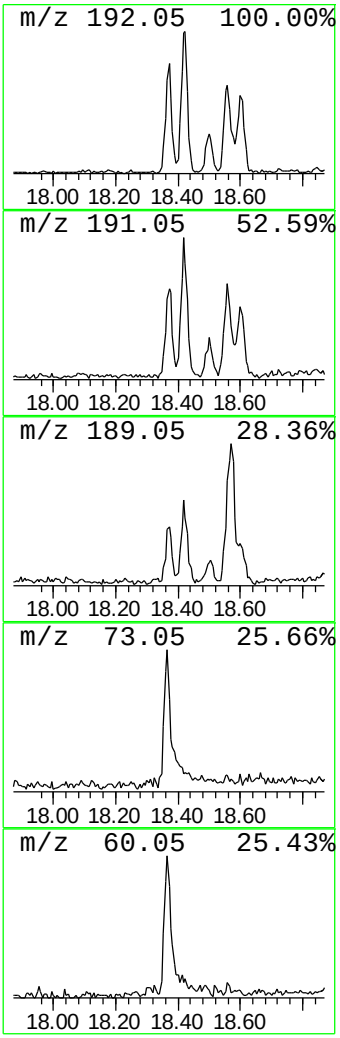
****

Peak Number 5 Phenanthrene, 1-methyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.37	7.17 ng	401976	Phenanthrene-d10	17.49

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	91
2	Anthracene, 2-methyl-	192	C15H12	000613-12-7	90
3	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	83
4	Anthracene, 9-methyl-	192	C15H12	000779-02-2	83
5	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	64





Data Path : Z:\HPCHEM1\BNA G\DATA\BG092116\
Data File : BG024058.D
Acq On : 21 Sep 2016 17:04
Operator : UM/SJ
Sample : H4820-11
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : YORK-SB4-02

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

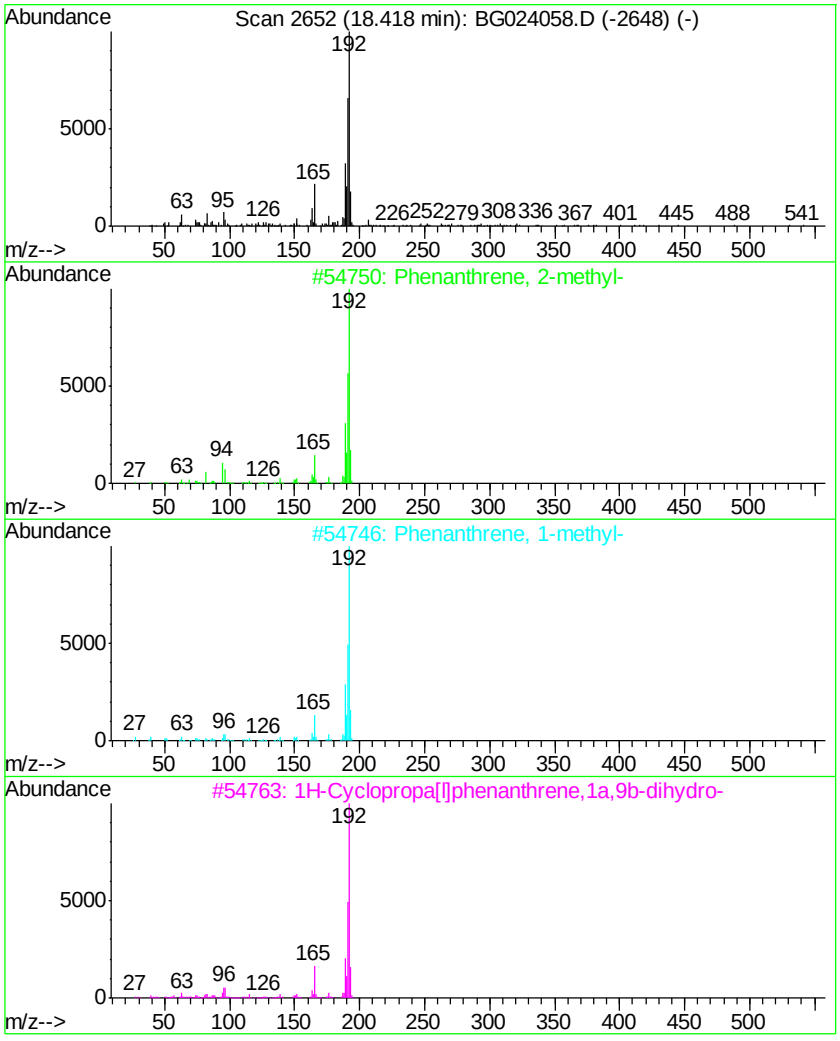
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

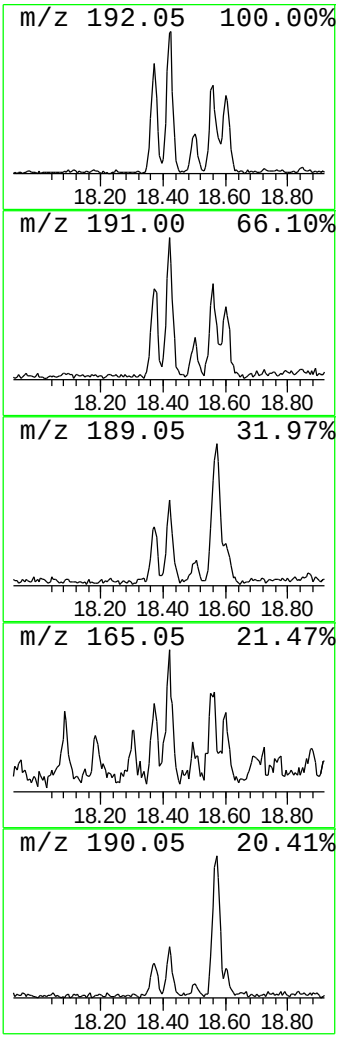
****

Peak Number 6 Phenanthrene, 2-methyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.42	5.13 ng	287455	Phenanthrene-d10	17.49

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	91
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	87
3	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	81
4	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	81
5	Naphtho[2,3-b]norbornadiene	192	C15H12	107426-38-0	81





Data Path : Z:\HPCHEM1\BNA G\DATA\BG092116\
Data File : BG024058.D
Acq On : 21 Sep 2016 17:04
Operator : UM/SJ
Sample : H4820-11
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : YORK-SB4-02

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

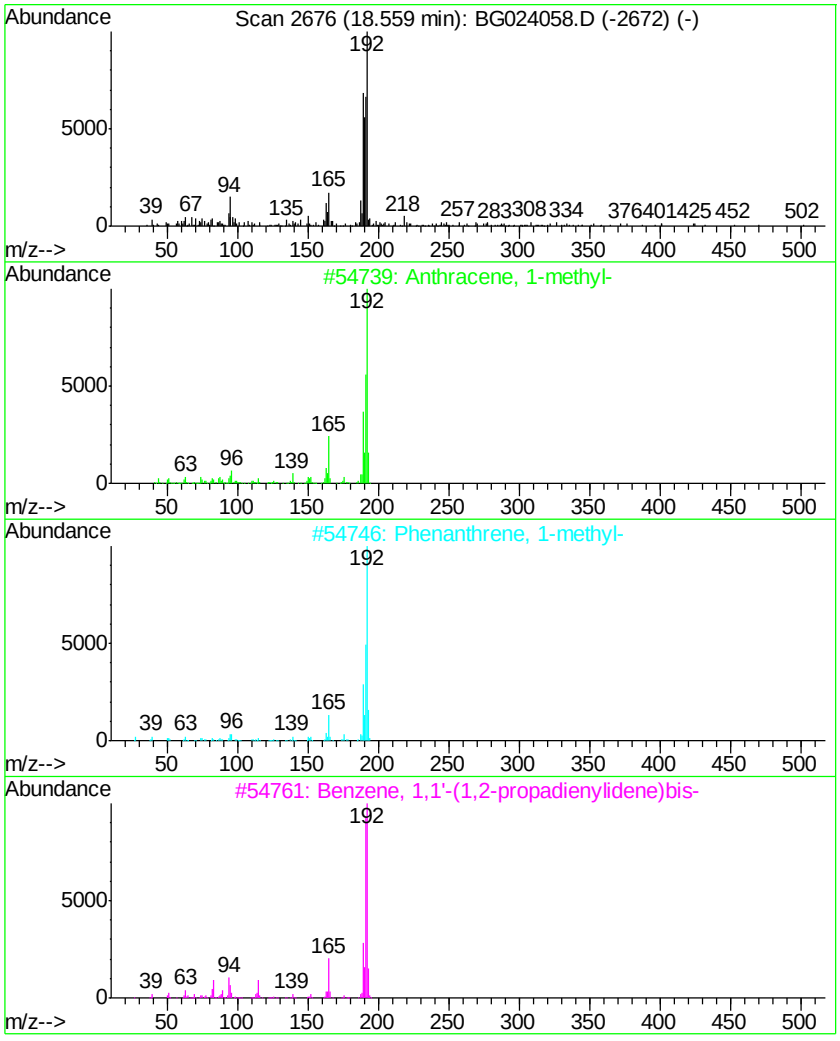
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

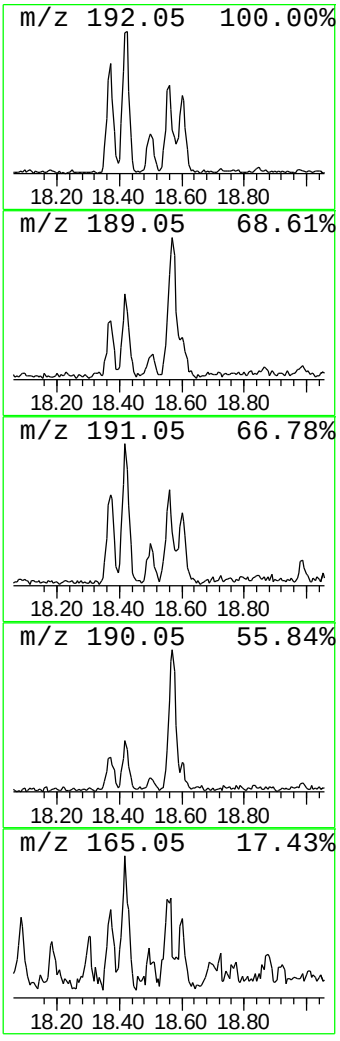
****

Peak Number 7 unknown18.56 Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.56	4.29 ng	240223	Phenanthrene-d10	17.49

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 1-methyl-	192	C15H12	000610-48-0	49
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	49
3	Benzene, 1,1'-(1,2-propadienylid...	192	C15H12	014251-57-1	49
4	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	49
5	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	47





Data Path : Z:\HPCHEM1\BNA G\DATA\BG092116\
Data File : BG024058.D
Acq On : 21 Sep 2016 17:04
Operator : UM/SJ
Sample : H4820-11
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : YORK-SB4-02

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

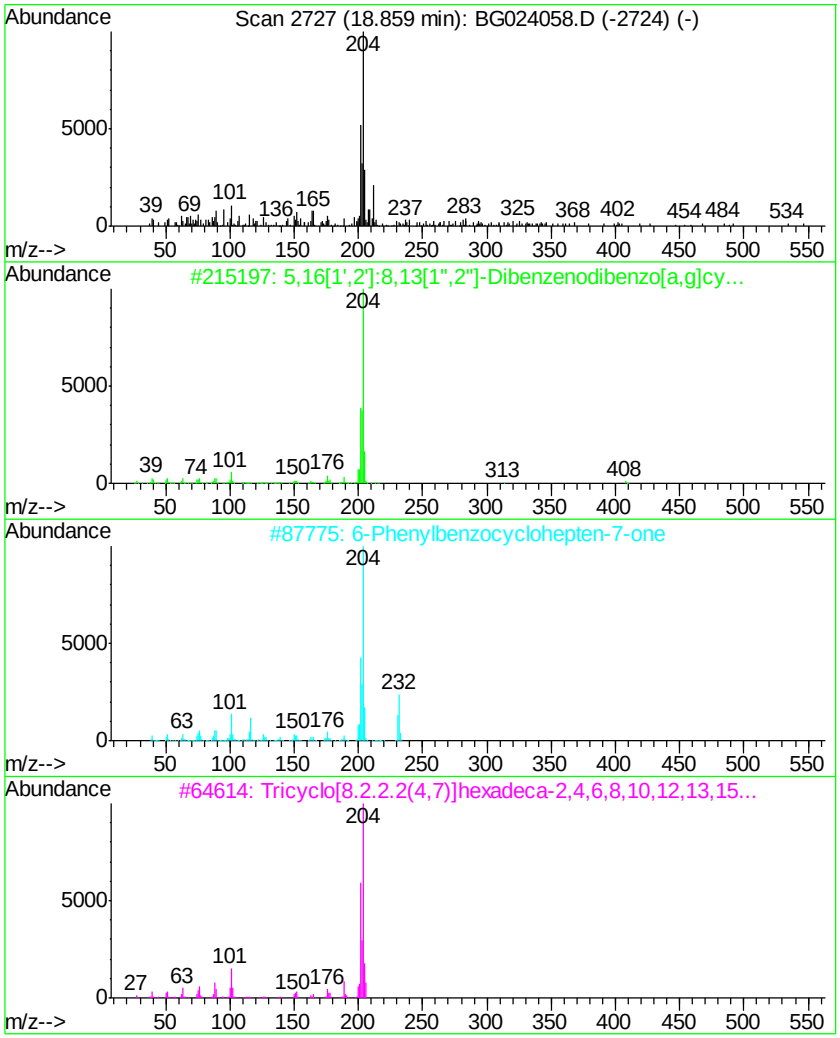
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

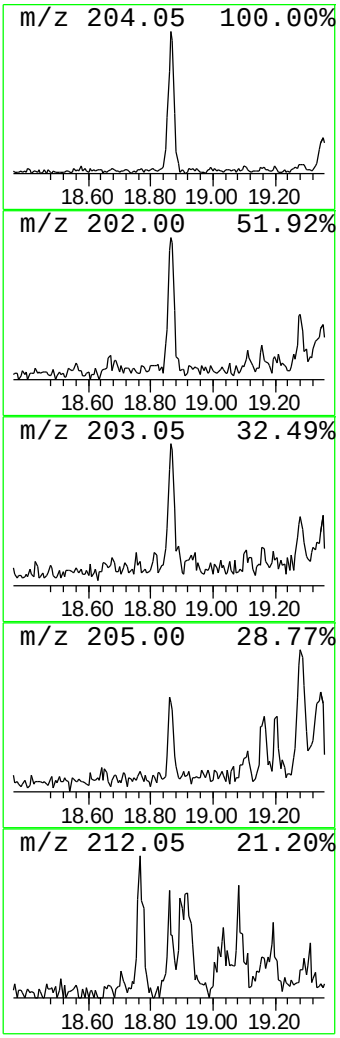
****

Peak Number 8 5,16[1',2']:8,13[1'',2'']-D... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.86	2.60 ng	145439	Phenanthrene-d10	17.49

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	72
2	6-Phenylbenzocyclohepten-7-one	232	C17H12O	093327-56-1	64
3	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	64
4	9-Butyl-9-cyano-9,10-dihydroanth...	261	C19H19N	139642-81-2	53
5	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	52





Data Path : Z:\HPCHEM1\BNA G\DATA\BG092116\
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Acq On : 21 Sep 2016 17:04
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Misc :
ALS Vial : 9 Sample Multiplier: 1

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

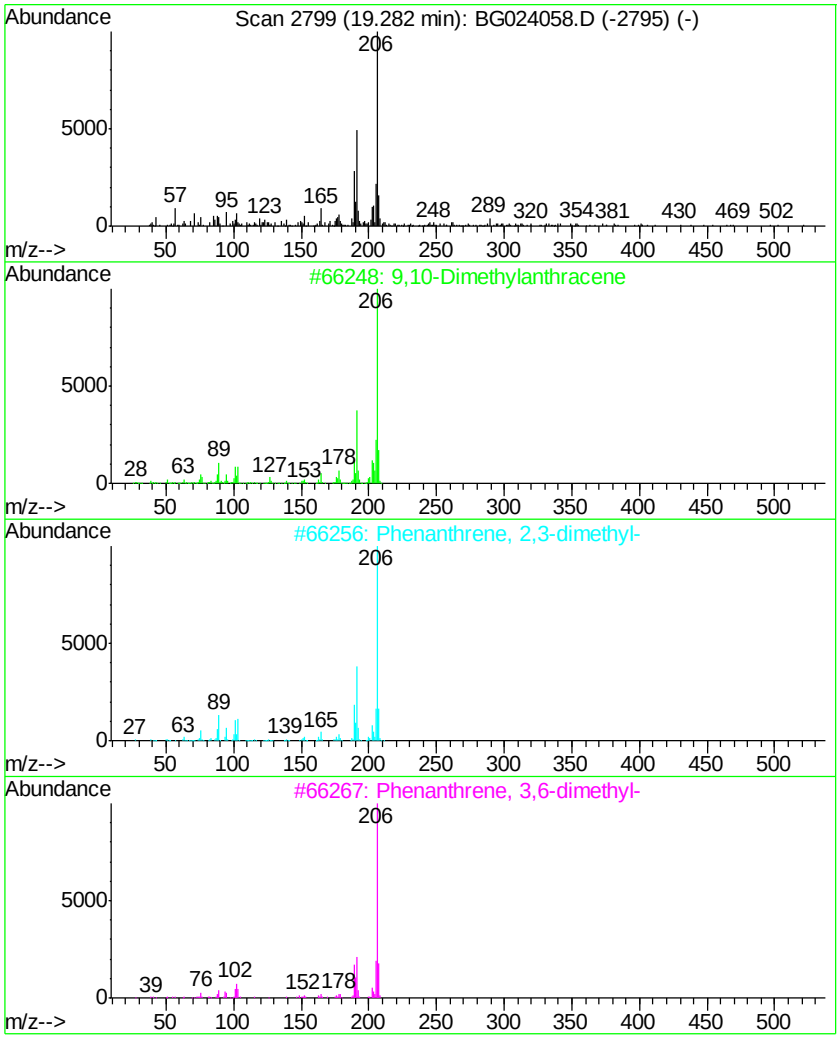
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

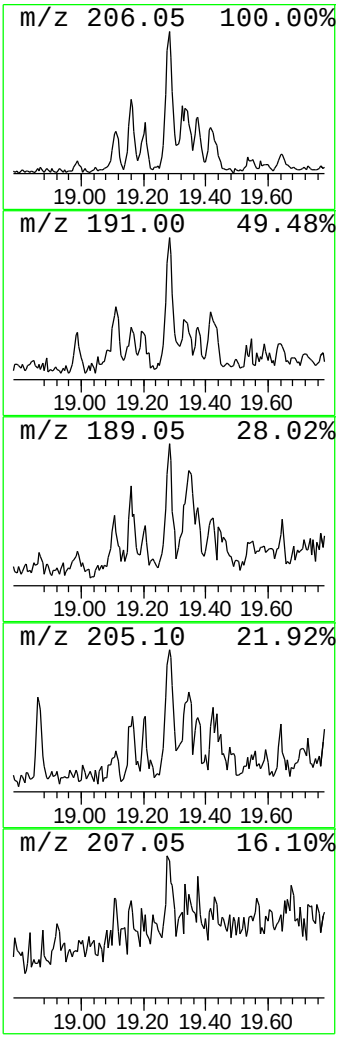
****

Peak Number 9 9,10-Dimethylanthracene Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.28	3.14 ng	175969	Phenanthrene-d10	17.49

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Dimethylanthracene	206	C16H14	000781-43-1	91
2	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	90
3	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	90
4	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	90
5	Anthracene, 1,4-dimethyl-	206	C16H14	000781-92-0	87





Data Path : Z:\HPCHEM1\BNA G\DATA\BG092116\
Data File : BG024058.D
Acq On : 21 Sep 2016 17:04
Operator : UM/SJ
Sample : H4820-11
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : YORK-SB4-02

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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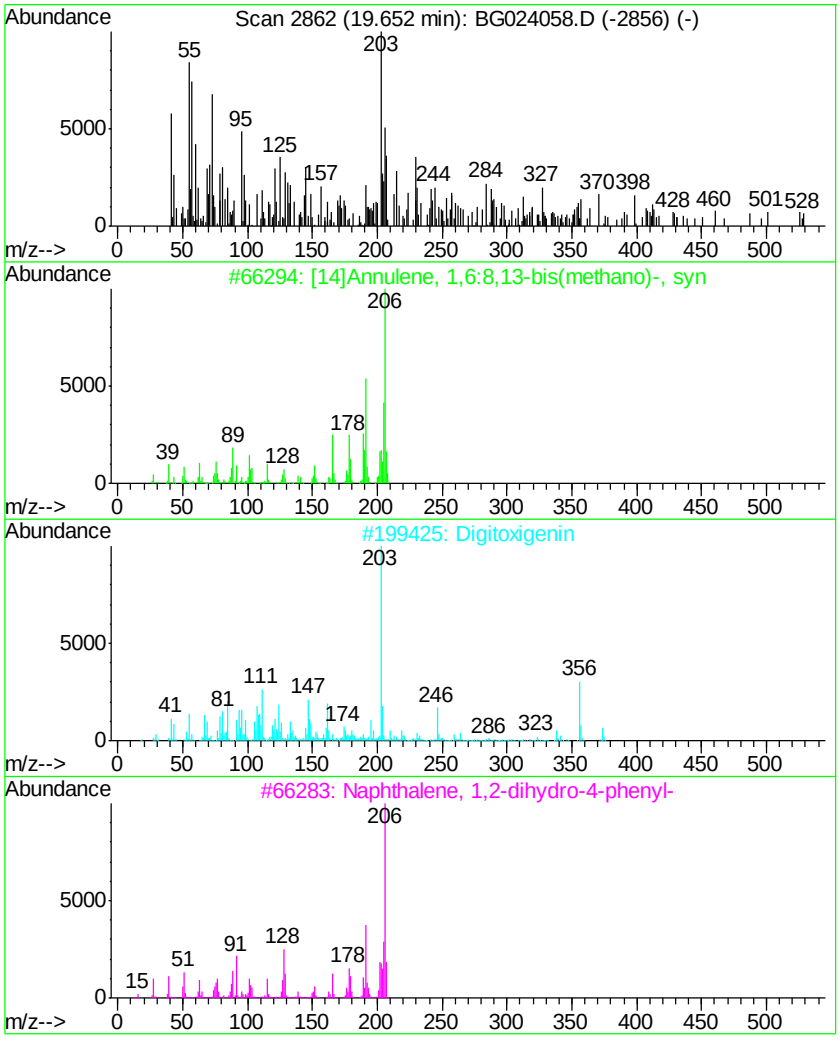
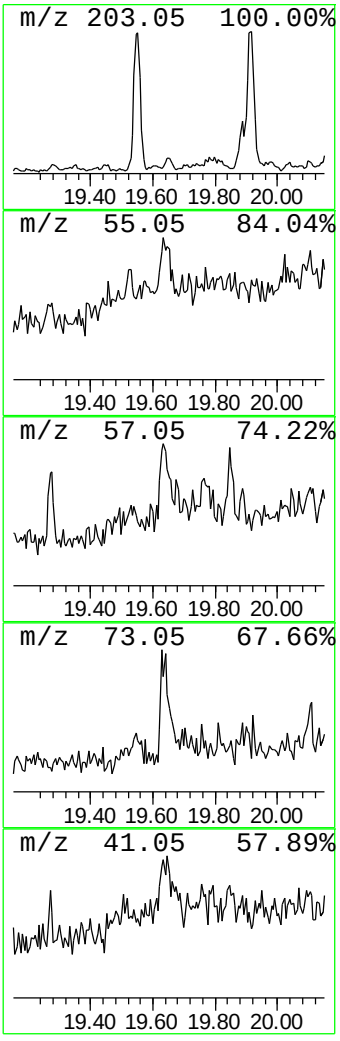
Peak Number 10 unknown19.65 Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.65	3.67 ng	205840	Phenanthrene-d10	17.49

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	[14]Annulene, 1,6:8,13-bis(metha...	206	C16H14	085385-68-8	47
2	Digitoxigenin	374	C23H34O4	000143-62-4	44
3	Naphthalene, 1,2-dihydro-4-phenyl-	206	C16H14	007469-40-1	35
4	Cyclopropanemethanol, .alpha.-me...	284	C18H24N2O	1000350-49-1	25
5	Spiro[2.3]hexane-5-carboxylic ac...	292	C20H20O2	1000154-22-8	20





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG092116\
Data File : BG024058.D
Acq On : 21 Sep 2016 17:04
Operator : UM/SJ
Sample : H4820-11
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : YORK-SB4-02

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	290.1	ng	7145590	1	8.05	492650	20.0
2-Pentanone, 4-hy...	5.12	16.4	ng	404009	1	8.05	492650	20.0
unknown7.59	7.59	96.4	ng	2374960	1	8.05	492650	20.0
Phenanthrene, 1-m...	18.37	7.2	ng	401976	4	17.49	1120820	20.0
Phenanthrene, 2-m...	18.42	5.1	ng	287455	4	17.49	1120820	20.0
unknown18.56	18.56	4.3	ng	240223	4	17.49	1120820	20.0
5,16[1',2']:8,13[...	18.86	2.6	ng	145439	4	17.49	1120820	20.0
9,10-Dimethylanth...	19.28	3.1	ng	175969	4	17.49	1120820	20.0
unknown19.65	19.65	3.7	ng	205840	4	17.49	1120820	20.0