LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG060319\
Data File : BG041050.D
Acq On : 4 Jun 2019 1:07
Operator : HP/JU
Sample : K3105-01 2X
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : 101-102

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:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG052919.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	3.131	3	7	15	rVV3	53968	133668	4.92%	0.533%
2	3.214	16	21	34	rVB	122293	256771	9.44%	1.025%
3	5.664	431	438	449	rBV	570103	976798	35.93%	3.898%
4	7.268	703	711	726	rBV	633772	1115704	41.04%	4.452%
5	7.650	769	776	789	rBV	608214	1085423	39.92%	4.331%
6	8.126	849	857	871	rVB	331583	578202	21.27%	2.307%
7	8.449	905	912	922	rBV	467297	831932	30.60%	3.320%
8	9.301	1048	1057	1068	rBV	380928	697086	25.64%	2.782%
9	10.952	1330	1338	1344	rBV	418724	756557	27.83%	3.019%
10	10.999	1344	1346	1352	rVB	28411	45257	1.66%	0.181%
11	12.597	1611	1618	1624	rBV2	21042	39880	1.47%	0.159%
12	12.814	1650	1655	1660	rBV3	19220	28843	1.06%	0.115%
13	13.378	1744	1751	1761	rVB	1012291	1500544	55.19%	5.988%
14	13.925	1832	1844	1849	rBV10	17930	52124	1.92%	0.208%
15	14.071	1865	1869	1875	rBV3	25799	42355	1.56%	0.169%
16	14.195	1884	1890	1897	rBV	105129	168591	6.20%	0.673%
17	14.489	1933	1940	1951	rBV	90546	192818	7.09%	0.769%
18	14.759	1974	1986	1992	rBV2	603835	1001690	36.84%	3.997%
19	14.824	1992	1997	2003	rVB2	47543	82269	3.03%	0.328%
20	15.147	2048	2052	2059	rVB2	57567	101807	3.74%	0.406%
21	15.217	2060	2064	2068	rVB4	21858	32499	1.20%	0.130%
22	15.364	2084	2089	2092	rBV6	22787	38148	1.40%	0.152%
23	15.529	2111	2117	2120	rBV8	16566	41540	1.53%	0.166%
24	15.799	2158	2163	2171	rVB2	105261	174271	6.41%	0.695%
25	16.087	2209	2212	2217	rVB2	33890	55780	2.05%	0.223%
26	16.245	2232	2239	2245	rVB	722636	1160784	42.70%	4.632%
27	16.851	2339	2342	2345	rBV3	28179	37804	1.39%	0.151%
28	17.321	2419	2422	2428	rVB3	55910	82845	3.05%	0.331%
29	17.503	2447	2453	2457	rBV2	733709	1130540	41.58%	4.512%
30	17.550	2457	2461	2468	rVB	673499	1022493	37.61%	4.080%
31	17.638	2471	2476	2480	rBV	217351	323182	11.89%	1.290%
32	18.378	2595	2602	2605	rBV2	131706	275212	10.12%	1.098%
33	18.425	2606	2610	2617	rVB	183264	273141	10.05%	1.090%
34	18.572	2629	2635	2639	rBV3	350646	675258	24.84%	2.695%

LSC Area Percent Report

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Sample : K3105-01 2X
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : 101-102

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:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG052919.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	18.866	2683	2685	2688	rVB	113518	110075	4.05%	0.439%
36	19.553	2796	2802	2807	rBV	1873130	2718688	100.00%	10.849%
37	19.876	2854	2857	2859	rBV2	205838	291738	10.73%	1.164%
38	19.918	2859	2864	2870	rVB	1826417	2717864	99.97%	10.846%
39	20.094	2890	2894	2899	rBV	1421639	1820614	66.97%	7.265%
40	21.780	3176	3181	3188	rBV3	898232	2388211	87.84%	9.530%

Sum of corrected areas: 25059006

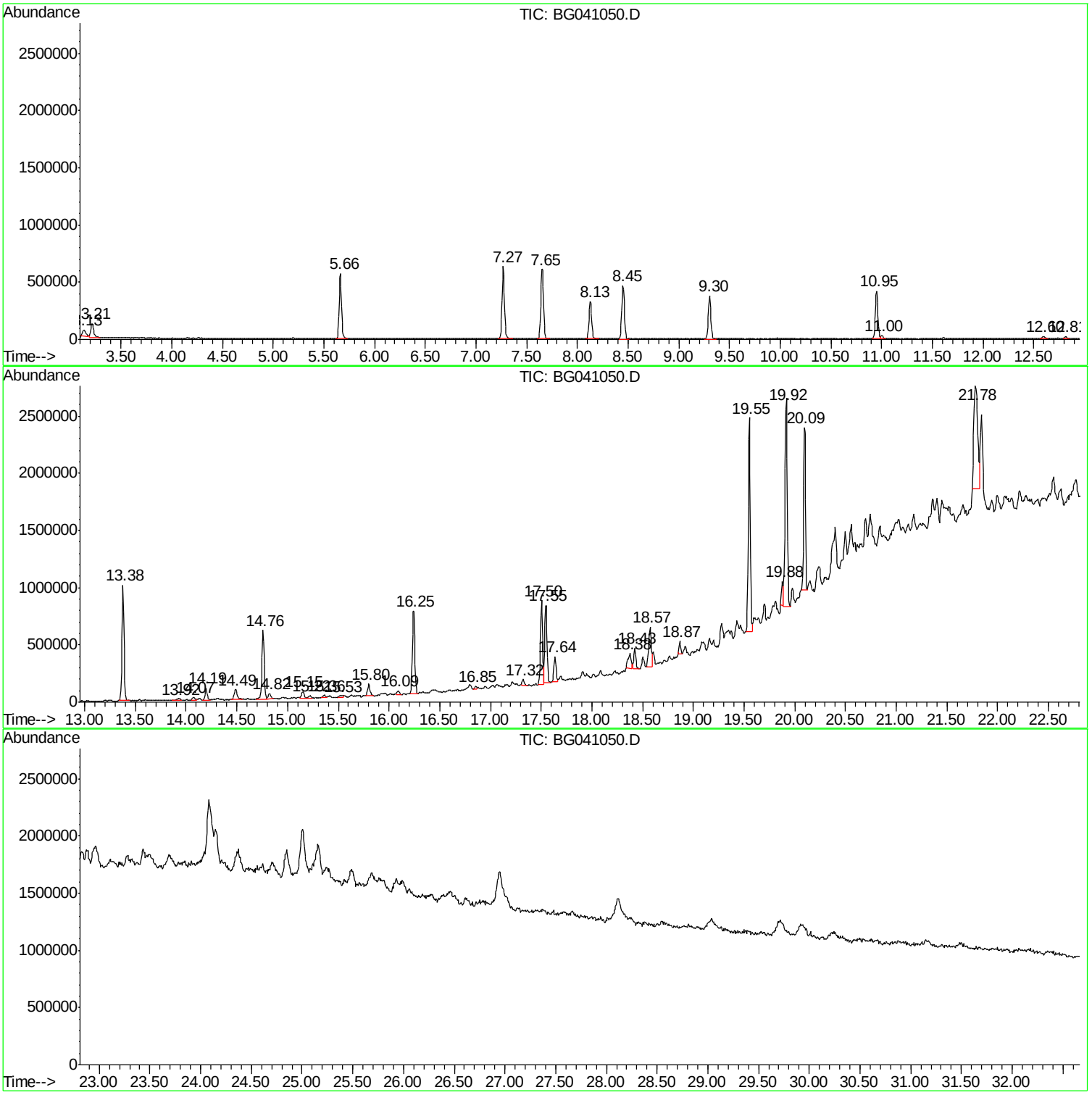
LSC Report - Integrated Chromatogram

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG060319\
Data File : BG041050.D
Acq On : 4 Jun 2019 1:07
Operator : HP/JU
Sample : K3105-01 2X
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : 101-102

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG052919.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:\SVOASRV\HPCHEM1\BNA G\DATA\BG060319\
Data File : BG041050.D
Acq On : 4 Jun 2019 1:07
Operator : HP/JU
Sample : K3105-01 2X
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : 101-102

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG052919.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

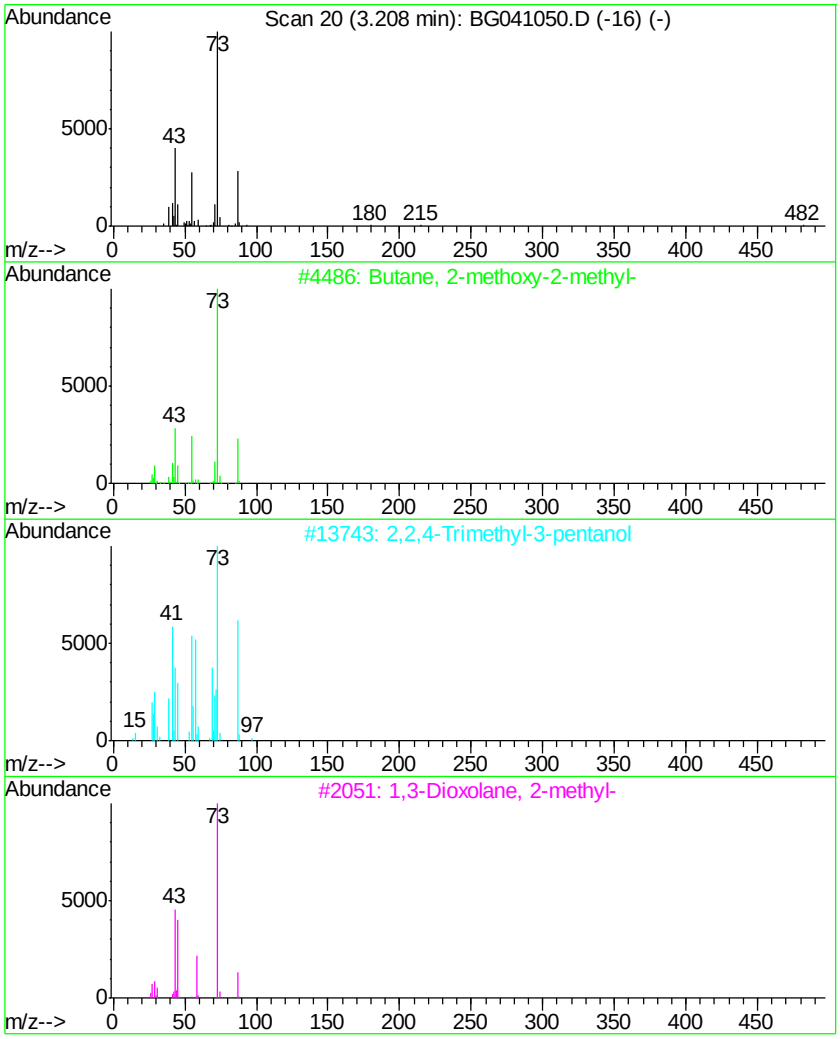
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

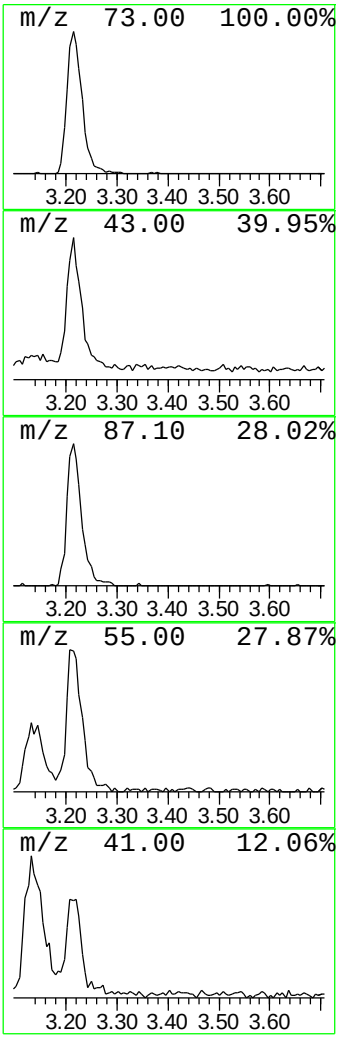
****

Peak Number 2 Butane, 2-methoxy-2-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.21	8.88 ng	256771	1,4-Dichlorobenzene-d4	8.13

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane, 2-methoxy-2-methyl-	102	C6H14O	000994-05-8	78
2	2,2,4-Trimethyl-3-pentanol	130	C8H18O	005162-48-1	56
3	1,3-Dioxolane, 2-methyl-	88	C4H8O2	000497-26-7	23
4	Pentane, 3-methoxy-	102	C6H14O	036839-67-5	10
5	Silane, tetramethyl-	88	C4H12Si	000075-76-3	9





Library Search Compound Report

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Data File : BG041050.D
Acq On : 4 Jun 2019 1:07
Operator : HP/JU
Sample : K3105-01 2X
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : 101-102

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG052919.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

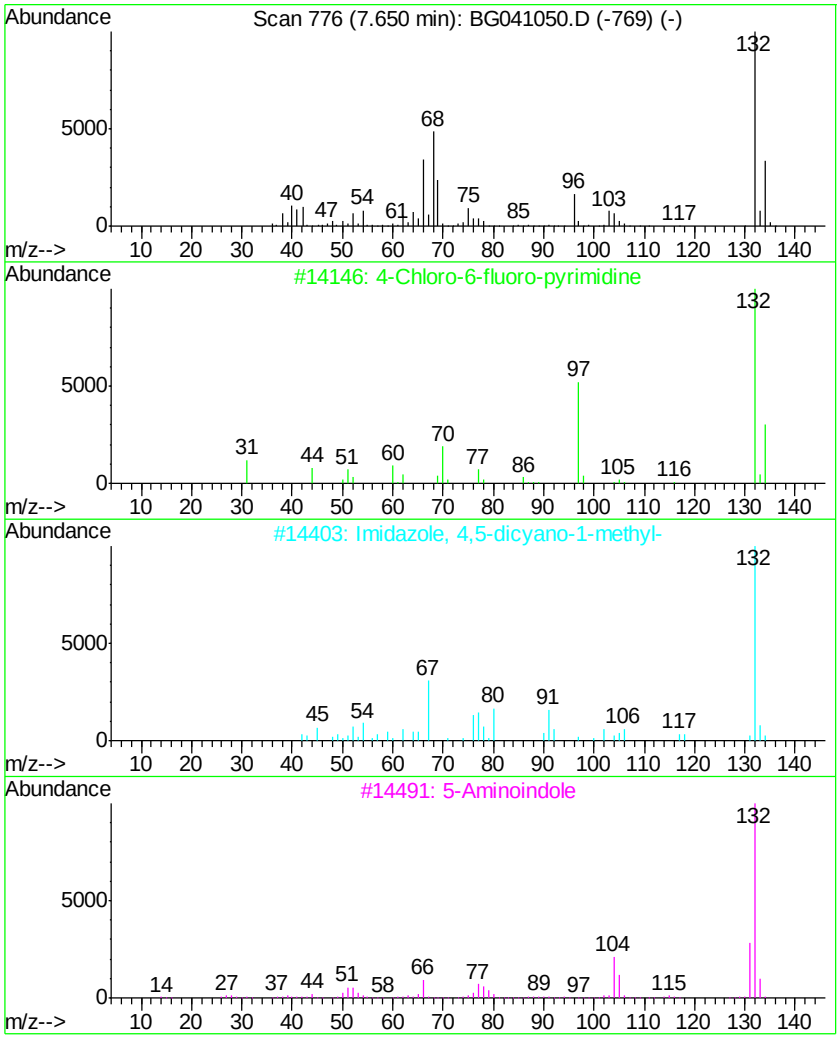
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

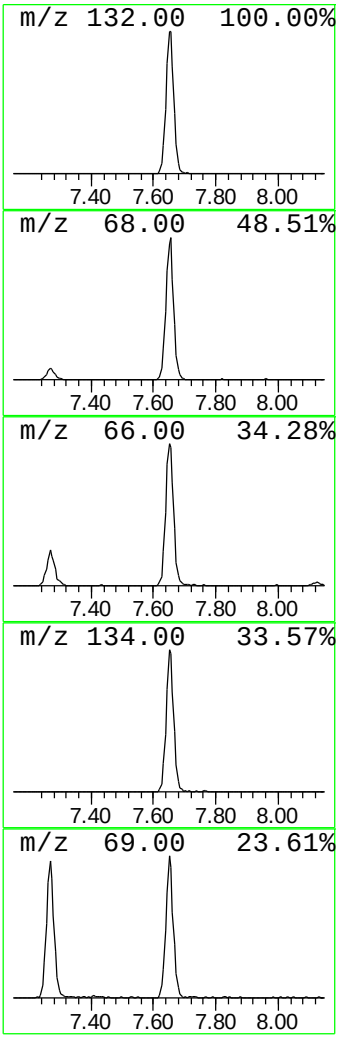
****

Peak Number 3 unknown7.65 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.65	37.54 ng	1085420	1,4-Dichlorobenzene-d4	8.13

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4-Chloro-6-fluoro-pyrimidine	132	C4H2ClFN2	051422-01-6	27
2	Imidazole, 4,5-dicyano-1-methyl-	132	C6H4N4	019485-35-9	25
3	5-Aminoindole	132	C8H8N2	005192-03-0	22
4	2H-Cyclopenta[d]pyridazine, 2-me...	132	C8H8N2	022291-85-6	16
5	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	16





Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG060319\
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Instrument : BNA_G
ClientSampleId : 101-102

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG052919.M
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TIC Library : C:\Database\NIST11.L
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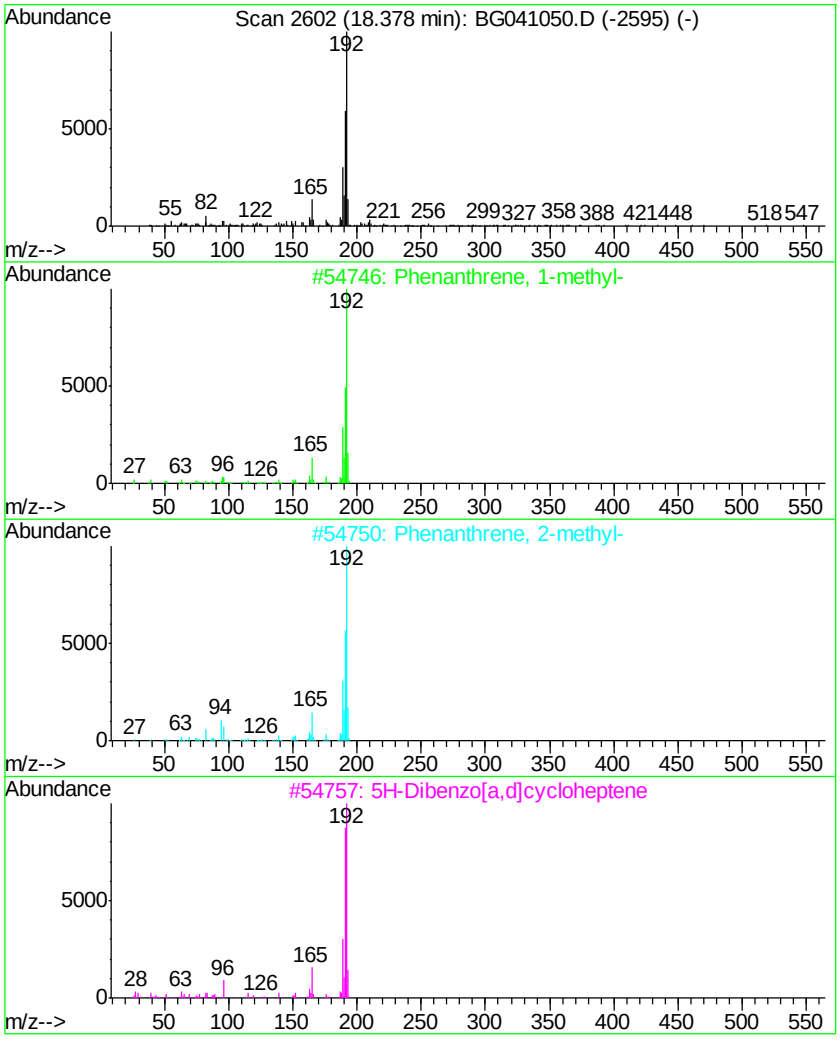
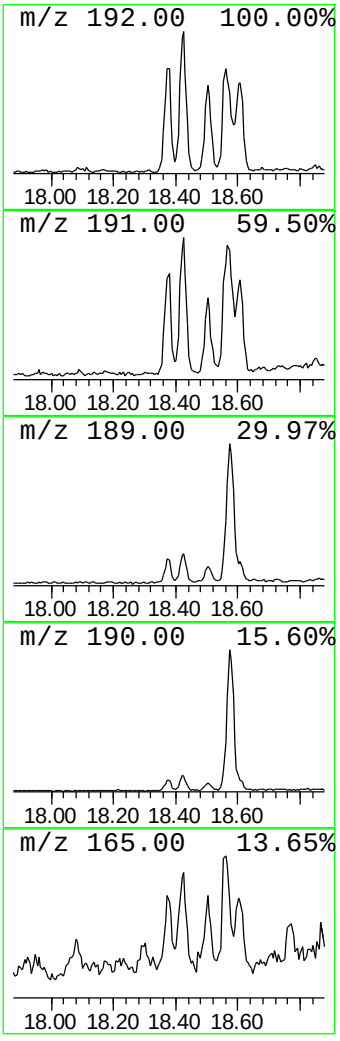
****

Peak Number 6 Phenanthrene, 1-methyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.38	4.87 ng	275212	Phenanthrene-d10	17.50

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	90
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	90
3	5H-Dibenzo[a,d]cycloheptene	192	C15H12	000256-81-5	90
4	Anthracene, 9-methyl-	192	C15H12	000779-02-2	90
5	Anthracene, 2-methyl-	192	C15H12	000613-12-7	81





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Data File : BG041050.D
Acq On : 4 Jun 2019 1:07
Operator : HP/JU
Sample : K3105-01 2X
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : 101-102

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG052919.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

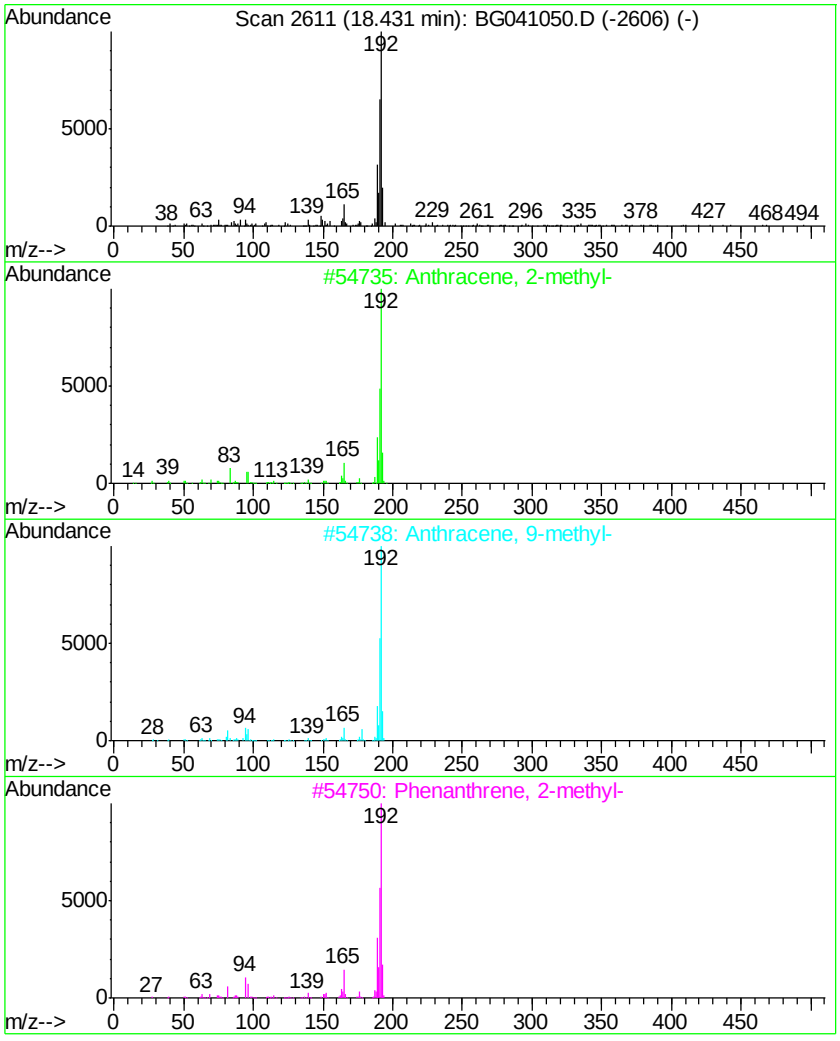
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

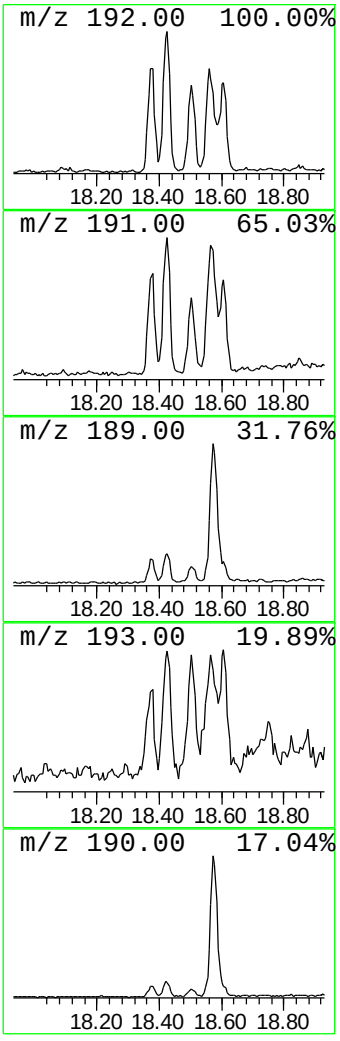
****

Peak Number 7 Anthracene, 2-methyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.43	4.83 ng	273141	Phenanthrene-d10	17.50

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 2-methyl-	192	C15H12	000613-12-7	94
2	Anthracene, 9-methyl-	192	C15H12	000779-02-2	94
3	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	93
4	Phenanthrene, 3-methyl-	192	C15H12	000832-71-3	86
5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	81





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Data File : BG041050.D
Acq On : 4 Jun 2019 1:07
Operator : HP/JU
Sample : K3105-01 2X
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : 101-102

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG052919.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

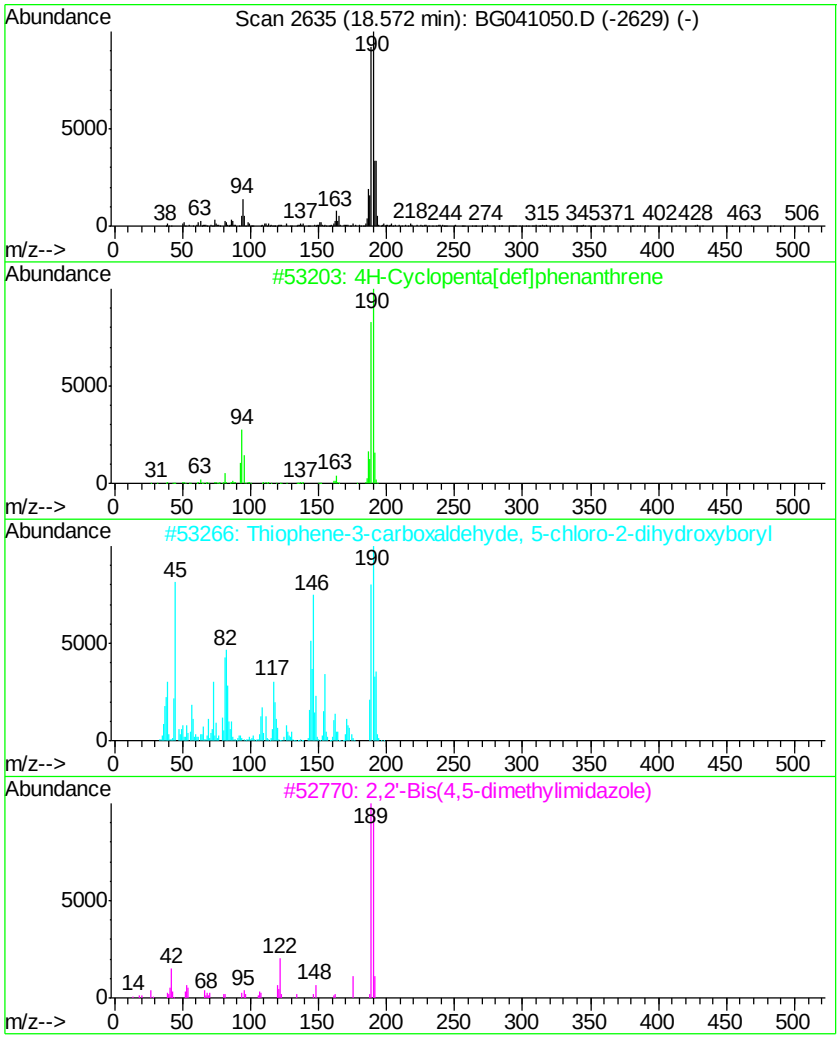
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

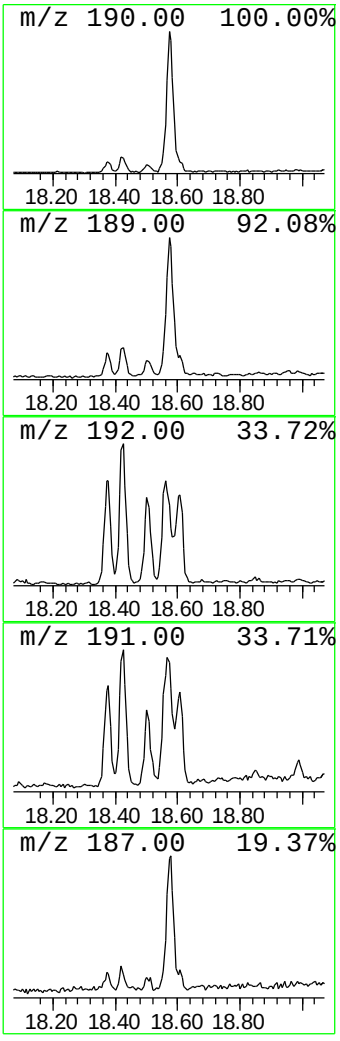
****

Peak Number 8 4H-Cyclopenta[def]phenanthrene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.57	11.95 ng	675258	Phenanthrene-d10	17.50

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	87
2	Thiophene-3-carboxaldehyde, 5-ch...	190	C5H4BClO3S	036155-87-0	64
3	2,2'-Bis(4,5-dimethylimidazole)	190	C10H14N4	069286-06-2	50
4	Megastigmatrienone	190	C13H18O	038818-55-2	25
5	1-(Phenylethynyl)-1H-1,2,3-benzo...	219	C14H9N3	209912-23-2	16





Tentatively Identified Compound (LSC) summary

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Instrument : BNA_G
ClientSampleId : 101-102

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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
Butane, 2-methoxy...	3.21	8.9	ng	256771	1	8.13	578202	20.0
unknown7.65	7.65	37.5	ng	1085420	1	8.13	578202	20.0
Phenanthrene, 1-m...	18.38	4.9	ng	275212	4	17.50	1130540	20.0
Anthracene, 2-met...	18.43	4.8	ng	273141	4	17.50	1130540	20.0
4H-Cyclopenta[def...	18.57	11.9	ng	675258	4	17.50	1130540	20.0