LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG101519\
Data File : BG043230.D
Acq On : 15 Oct 2019 22:22
Operator : JU
Sample : K5355-01 2X
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : COMP-31

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-BG092519.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	3.159	5	12	20	rBV2	39933	101451	6.24%	0.600%
2	3.235	20	25	36	rVB2	60447	112226	6.90%	0.664%
3	5.162	349	353	360	rBV2	9194	17273	1.06%	0.102%
4	5.638	426	434	451	rBV	359831	672205	41.32%	3.978%
5	7.225	696	704	726	rBV	403152	822695	50.57%	4.869%
6	7.589	759	766	781	rBV	418832	798367	49.07%	4.725%
7	8.053	838	845	855	rBV	211596	380459	23.39%	2.252%
8	8.376	892	900	908	rBV	336279	612834	37.67%	3.627%
9	9.216	1036	1043	1054	rBV	217822	456219	28.04%	2.700%
10	10.861	1313	1323	1336	rBV	253091	539523	33.16%	3.193%
11	13.300	1731	1738	1756	rBV	671844	1145562	70.42%	6.780%
12	13.999	1851	1857	1864	rBV8	9464	22402	1.38%	0.133%
13	14.122	1872	1878	1883	rBV	69636	115582	7.10%	0.684%
14	14.675	1963	1972	1979	rBV2	442699	745289	45.81%	4.411%
15	14.739	1979	1983	1991	rVB	28889	54348	3.34%	0.322%
16	15.080	2035	2041	2047	rBV2	20634	37695	2.32%	0.223%
17	15.292	2072	2077	2083	rBV9	8791	20721	1.27%	0.123%
18	15.726	2145	2151	2156	rBV	37913	68731	4.22%	0.407%
19	16.167	2219	2226	2235	rBV	498957	894923	55.01%	5.296%
20	16.373	2258	2261	2264	rBV5	11068	17318	1.06%	0.102%
21	16.408	2264	2267	2273	rVB5	21332	31736	1.95%	0.188%
22	16.731	2317	2322	2326	rVB8	13989	22848	1.40%	0.135%
23	16.995	2364	2367	2373	rVB8	12459	22290	1.37%	0.132%
24	17.078	2376	2381	2388	rVB6	13669	25902	1.59%	0.153%
25	17.172	2390	2397	2401	rVV7	13182	30206	1.86%	0.179%
26	17.242	2405	2409	2416	rVB	30639	56857	3.49%	0.336%
27	17.424	2433	2440	2443	rBV2	508338	818237	50.30%	4.842%
28	17.466	2443	2447	2454	rVV	545566	856540	52.65%	5.069%
29	17.560	2457	2463	2467	rVV	93971	179225	11.02%	1.061%
30	17.607	2467	2471	2480	rVB3	50525	103585	6.37%	0.613%
31	17.830	2504	2509	2512	rBV2	31803	54592	3.36%	0.323%
32	17.947	2525	2529	2531	rVB3	14867	18401	1.13%	0.109%
33	18.300	2585	2589	2593	rBV	63841	106580	6.55%	0.631%
34	18.347	2593	2597	2605	rVB	87399	146766	9.02%	0.869%

LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG101519\
Data File : BG043230.D
Acq On : 15 Oct 2019 22:22
Operator : JU
Sample : K5355-01 2X
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : COMP-31

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-BG092519.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	18.435	2608	2612	2614	rBV	23938	29223	1.80%	0.173%
36	18.500	2617	2623	2626	rBV3	101858	184719	11.35%	1.093%
37	18.799	2669	2674	2677	rBV	44876	66612	4.09%	0.394%
38	19.099	2721	2725	2728	rBV5	26652	47736	2.93%	0.283%
39	19.211	2740	2744	2750	rBV3	39291	69264	4.26%	0.410%
40	19.475	2783	2789	2795	rBV	701303	1101680	67.72%	6.520%
41	19.528	2795	2798	2802	rVB5	49402	70942	4.36%	0.420%
42	19.833	2841	2850	2858	rBV	588311	1119202	68.80%	6.624%
43	20.033	2878	2884	2889	rBV	1124506	1626837	100.00%	9.628%
44	20.427	2948	2951	2956	rBV	63388	73642	4.53%	0.436%
45	21.696	3160	3167	3172	rBV3	650508	1497444	92.05%	8.862%
46	24.927	3710	3717	3725	rBV	332621	900511	55.35%	5.329%

Sum of corrected areas: 16897400

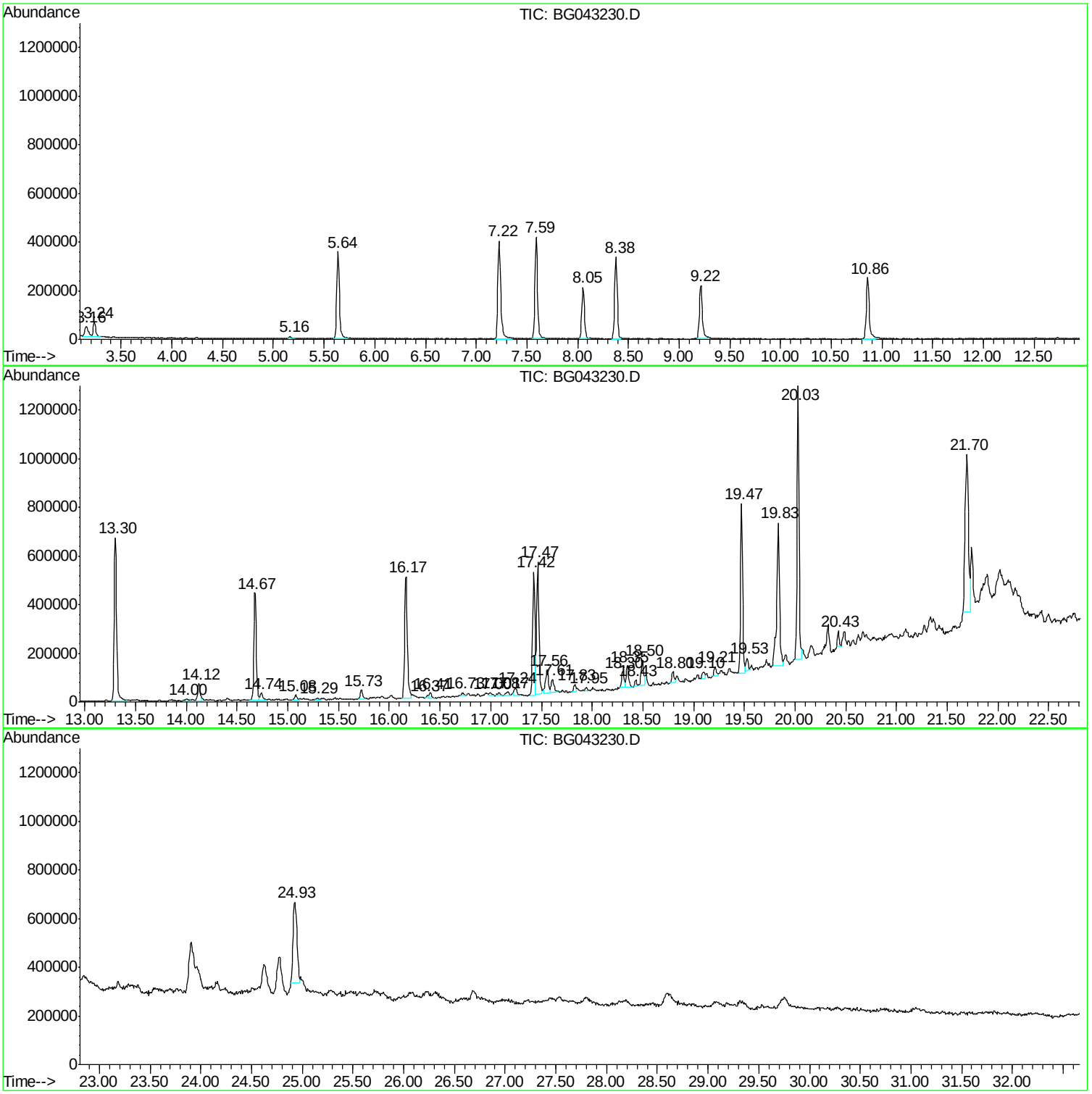
LSC Report - Integrated Chromatogram

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG101519\
Data File : BG043230.D
Acq On : 15 Oct 2019 22:22
Operator : JU
Sample : K5355-01 2X
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
COMP-31

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG092519.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG101519\
Data File : BG043230.D
Acq On : 15 Oct 2019 22:22
Operator : JU
Sample : K5355-01 2X
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : COMP-31

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG092519.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

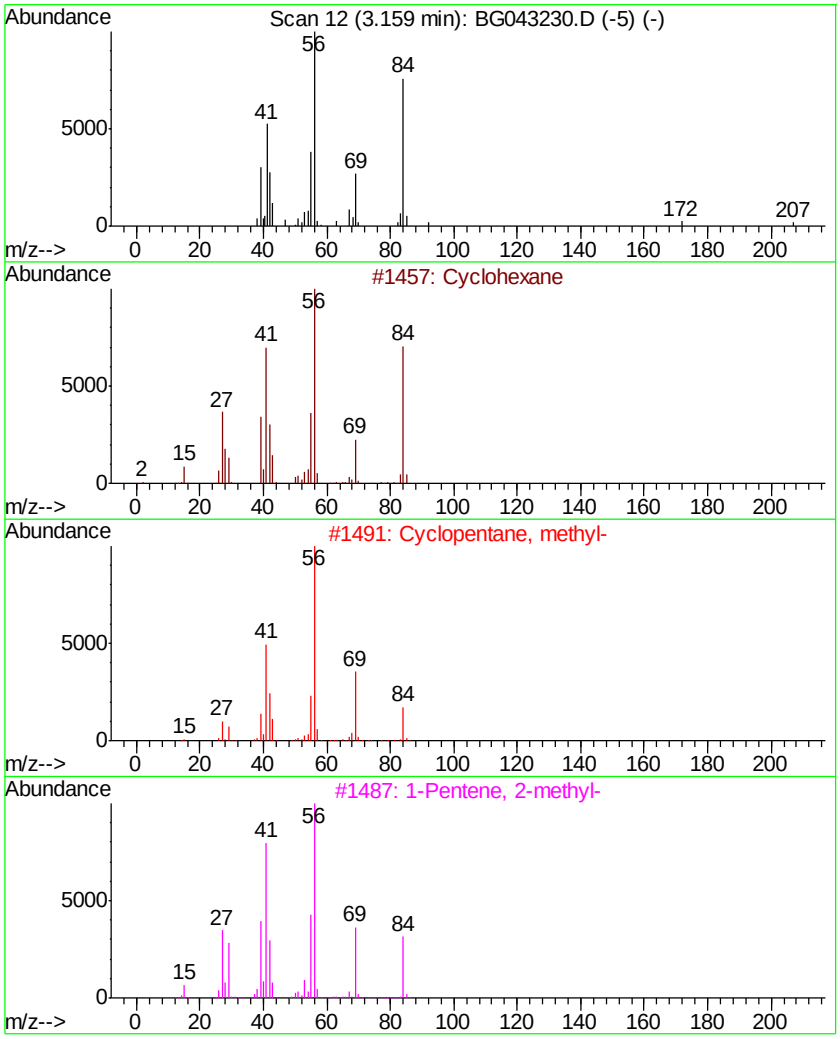
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

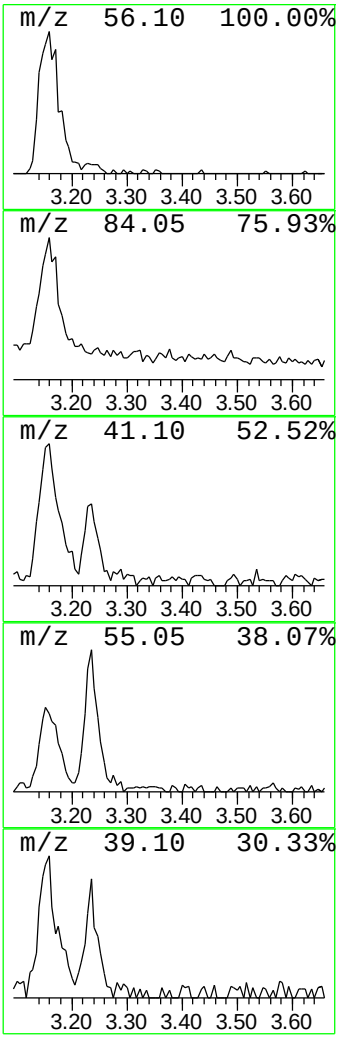
****

Peak Number 1 Cyclopentane, methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.16	5.33 ng	101451	1,4-Dichlorobenzene-d4	8.05

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane	84	C6H12	000110-82-7	91
2	Cyclopentane, methyl-	84	C6H12	000096-37-7	78
3	1-Pentene, 2-methyl-	84	C6H12	000763-29-1	56
4	1-Hexene, 3,4-dimethyl-	112	C8H16	016745-94-1	50
5	1-Hexene	84	C6H12	000592-41-6	43





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG101519\
Data File : BG043230.D
Acq On : 15 Oct 2019 22:22
Operator : JU
Sample : K5355-01 2X
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : COMP-31

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG092519.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

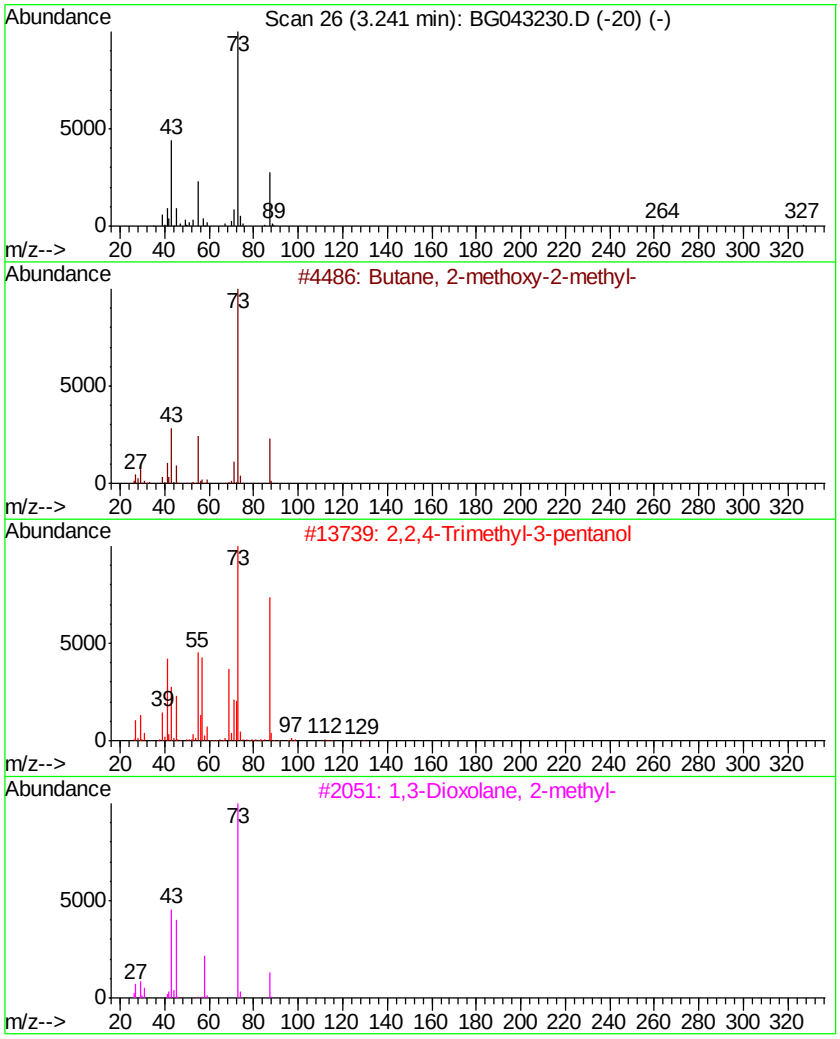
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

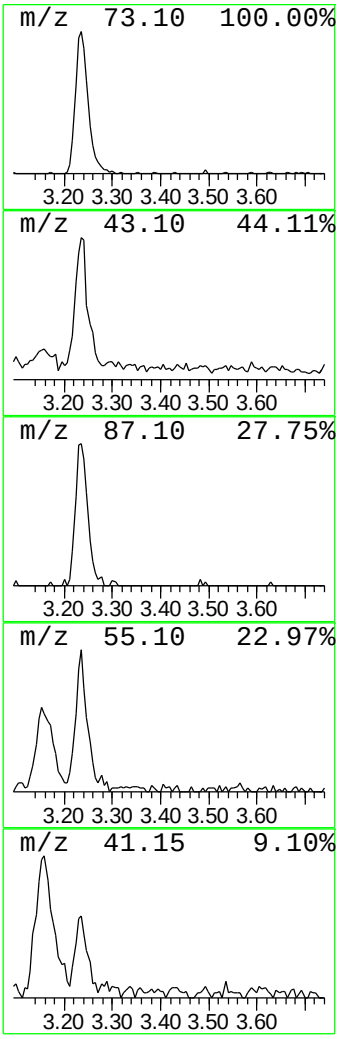
****

Peak Number 2 Butane, 2-methoxy-2-methyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.24	5.90 ng	112226	1,4-Dichlorobenzene-d4	8.05

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	40
3	1,3-Dioxolane, 2-methyl-	88	C4H8O2	000497-26-7	9
4	N-Ethylformamide	73	C3H7NO	000627-45-2	9
5	Silane, tetramethyl-	88	C4H12Si	000075-76-3	9





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG101519\
Data File : BG043230.D
Acq On : 15 Oct 2019 22:22
Operator : JU
Sample : K5355-01 2X
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : COMP-31

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG092519.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

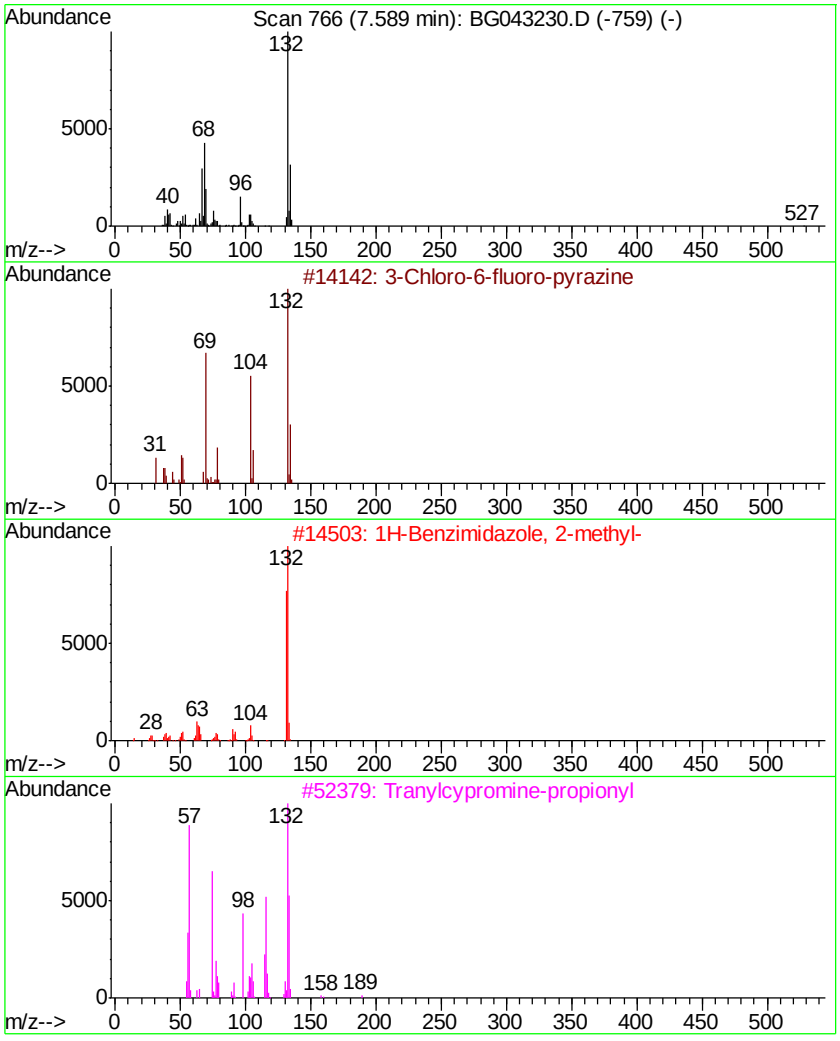
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

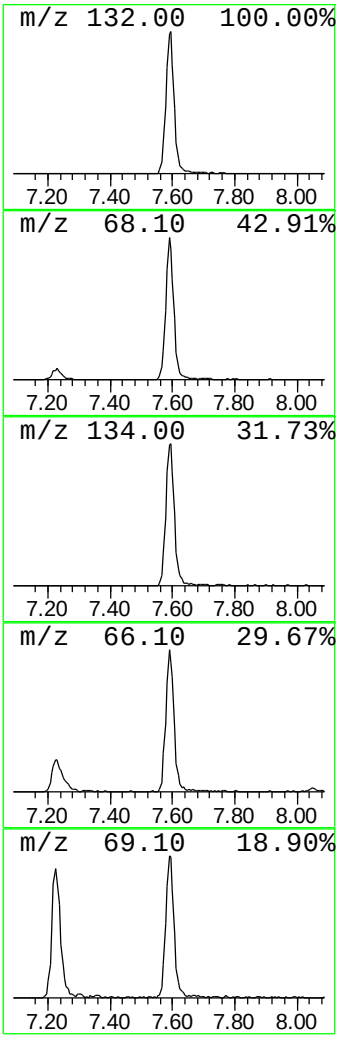
****

Peak Number 3 unknown7.59 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.59	41.97 ng	798367	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	27
2	1H-Benzimidazole, 2-methyl-	132	C8H8N2	000615-15-6	22
3	Tranylcypromine-propionyl	189	C12H15NO	1000123-86-3	12
4	5-Fluoro-2-chloropyrimidine	132	C4H2ClFN2	062802-42-0	12
5	(5-Methyl-2-pyridyl)acetonitrile	132	C8H8N2	1000241-93-9	10





Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG101519\
Data File : BG043230.D
Acq On : 15 Oct 2019 22:22
Operator : JU
Sample : K5355-01 2X
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : COMP-31

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG092519.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

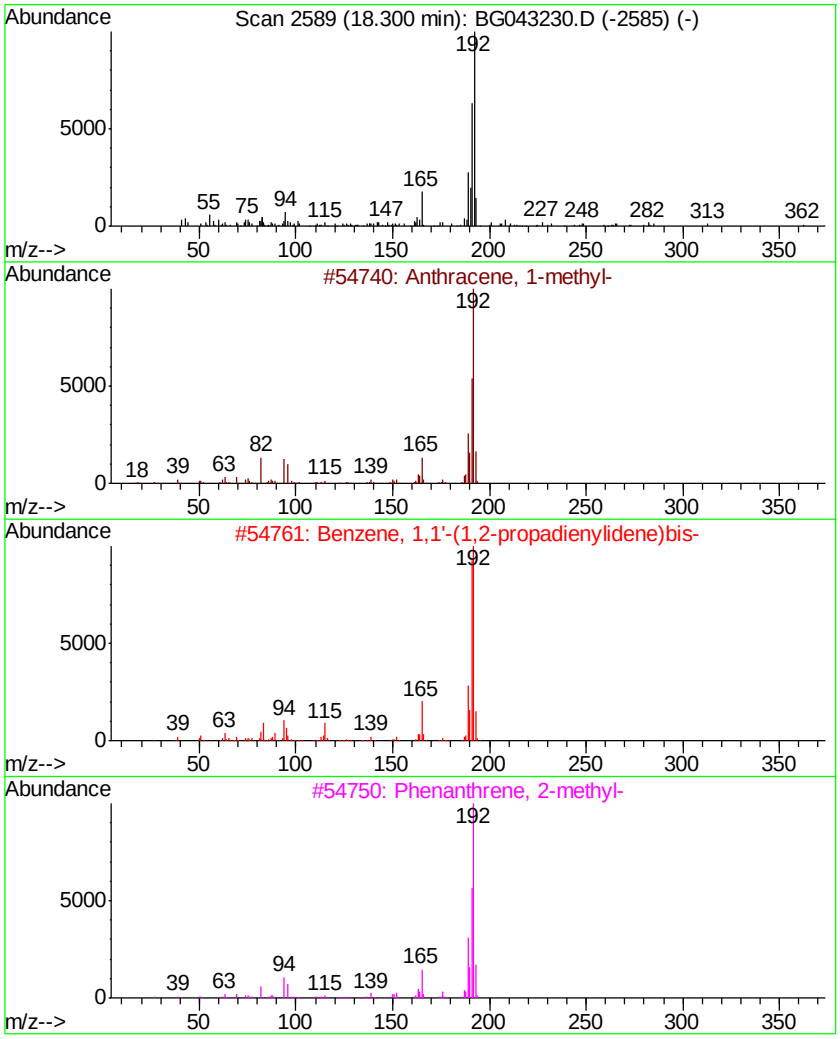
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

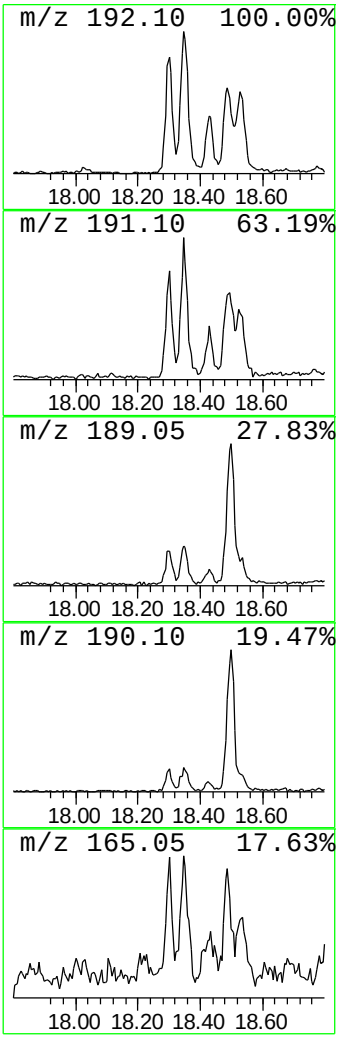
****

Peak Number 5 Anthracene, 1-methyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.30	2.61 ng	106580	Phenanthrene-d10	17.42

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 1-methyl-	192	C15H12	000610-48-0	76
2	Benzene, 1,1'-(1,2-propadienylid...	192	C15H12	014251-57-1	74
3	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	74
4	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	70
5	5H-Dibenzo[a,d]cycloheptene	192	C15H12	000256-81-5	70





Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG101519\
Data File : BG043230.D
Acq On : 15 Oct 2019 22:22
Operator : JU
Sample : K5355-01 2X
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : COMP-31

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG092519.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

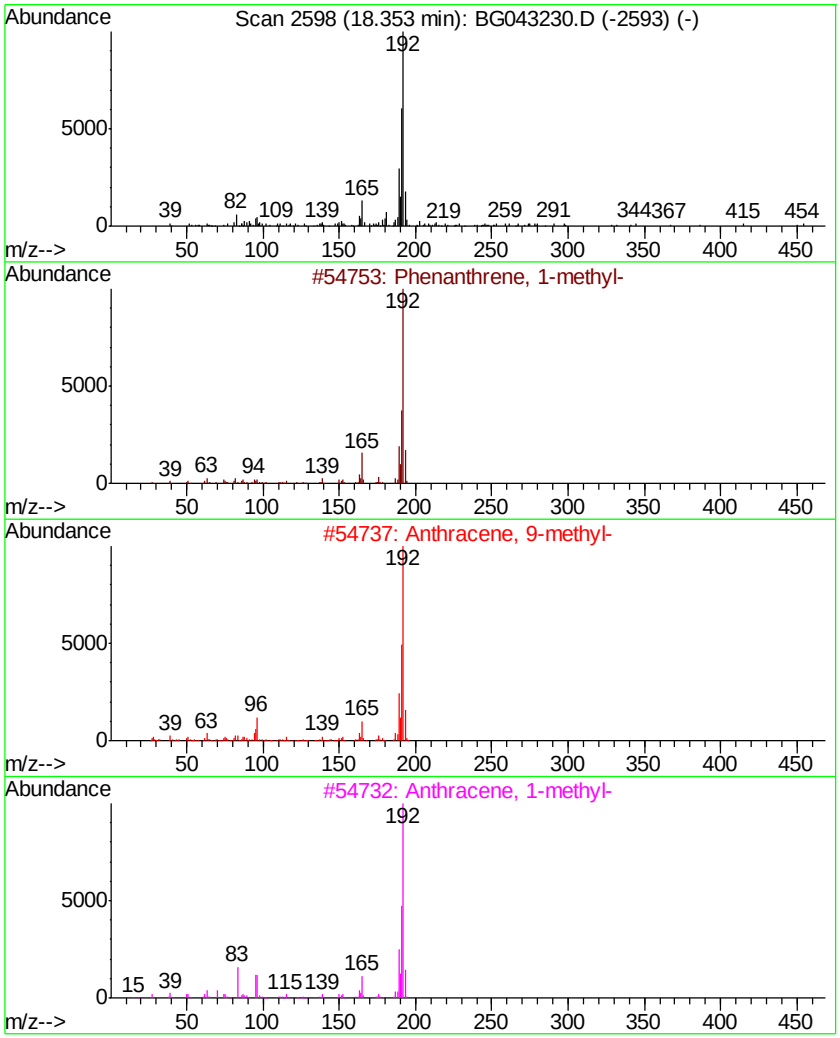
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

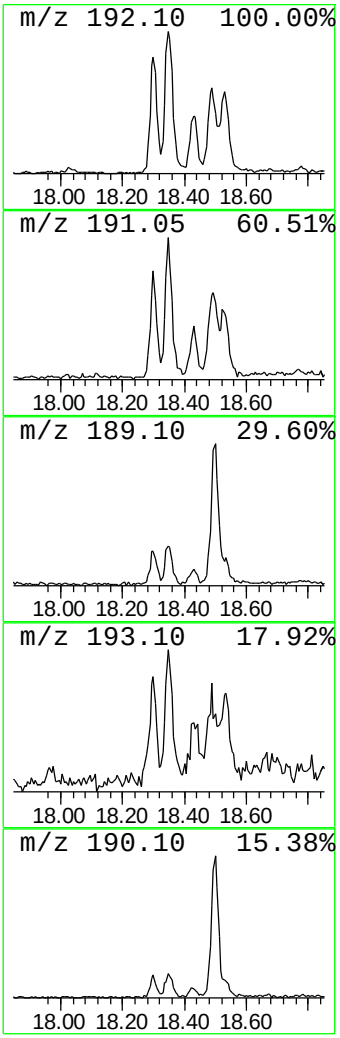
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.35	3.59 ng	146766	Phenanthrene-d10	17.42

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	92
2	Anthracene, 9-methyl-	192	C15H12	000779-02-2	91
3	Anthracene, 1-methyl-	192	C15H12	000610-48-0	90
4	Anthracene, 2-methyl-	192	C15H12	000613-12-7	90
5	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	89





Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG101519\
Data File : BG043230.D
Acq On : 15 Oct 2019 22:22
Operator : JU
Sample : K5355-01 2X
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : COMP-31

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG092519.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

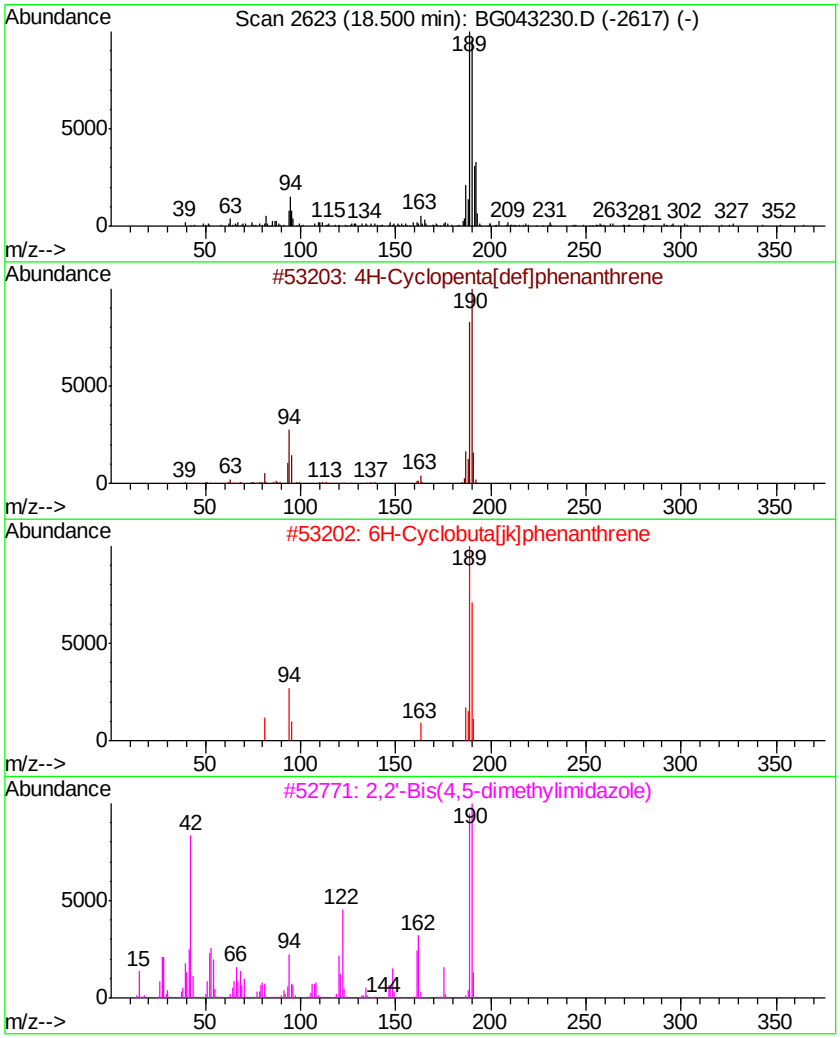
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

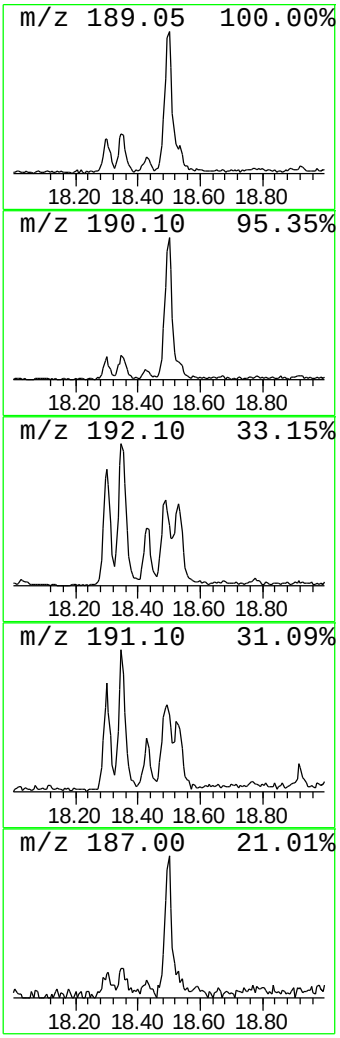
****

Peak Number 7 4H-Cyclopenta[def]phenanthrene Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.50	4.52 ng	184719	Phenanthrene-d10	17.42

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	87
2	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	72
3	2,2'-Bis(4,5-dimethylimidazole)	190	C10H14N4	069286-06-2	45
4	1H-Pyrazole-4-carboxaldehyde, 1-...	190	C10H7FN2O	1000338-05-6	33
5	4-Isothiazolecarbonitrile, 5-chl...	190	C5H3ClN2S2	054798-93-5	27





Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG101519\
Data File : BG043230.D
Acq On : 15 Oct 2019 22:22
Operator : JU
Sample : K5355-01 2X
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : COMP-31

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG092519.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
Cyclopentane, met...	3.16	5.3	ng	101451	1	8.05	380459	20.0
Butane, 2-methoxy...	3.24	5.9	ng	112226	1	8.05	380459	20.0
unknown7.59	7.59	42.0	ng	798367	1	8.05	380459	20.0
Anthracene, 1-met...	18.30	2.6	ng	106580	4	17.42	818237	20.0
Phenanthrene, 1-m...	18.35	3.6	ng	146766	4	17.42	818237	20.0
4H-Cyclopenta[def...	18.50	4.5	ng	184719	4	17.42	818237	20.0