LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF122215\
Data File : BF084018.D
Acq On : 23 Dec 2015 5:12
Operator : UM/SJ
Sample : G4916-10
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 20151215MGP155BRV169.5

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_F\METHODS\8270-BF122215.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	5.001	252	255	261	rBV	65555	83428	2.73%	0.589%
2	5.436	291	293	296	rBV	430965	494758	16.20%	3.493%
3	6.476	382	384	390	rBB2	234641	338614	11.09%	2.390%
4	6.602	393	395	397	rBV	1149673	1041999	34.12%	7.356%
5	6.830	413	415	417	rBV	261842	234931	7.69%	1.658%
6	6.990	427	429	431	rVB	714333	981068	32.12%	6.926%
7	7.390	461	464	466	rBV	761707	759137	24.86%	5.359%
8	8.110	525	527	530	rBV	378592	336068	11.00%	2.372%
9	9.196	619	622	624	rVB	1579143	1786296	58.49%	12.610%
10	9.585	654	656	660	rVB	56140	56266	1.84%	0.397%
11	9.733	666	669	671	rBV	43925	45653	1.49%	0.322%
12	9.870	678	681	683	rBV	656987	700204	22.93%	4.943%
13	10.076	697	699	701	rBV	66236	72140	2.36%	0.509%
14	10.110	701	702	704	rVV	60840	46415	1.52%	0.328%
15	10.305	715	719	721	rVB	45557	47948	1.57%	0.338%
16	10.373	721	725	726	rBV2	22725	38709	1.27%	0.273%
17	10.396	726	727	732	rVB	107694	160150	5.24%	1.131%
18	10.511	732	737	738	rBV5	13544	33743	1.10%	0.238%
19	10.659	747	750	752	rVV	1674284	1715197	56.16%	12.108%
20	10.693	752	753	756	rVV2	23290	37475	1.23%	0.265%
21	10.773	759	760	763	rVV2	44566	70658	2.31%	0.499%
22	10.842	764	766	767	rVV	37349	34244	1.12%	0.242%
23	10.876	767	769	770	rVV	39517	50912	1.67%	0.359%
24	10.911	770	772	773	rVV2	37492	52729	1.73%	0.372%
25	10.933	773	774	776	rVV	39189	48370	1.58%	0.341%
26	10.979	776	778	780	rVV2	33361	48978	1.60%	0.346%
27	11.025	780	782	784	rVV	43592	56954	1.86%	0.402%
28	11.356	808	811	813	rBV	555296	707322	23.16%	4.993%
29	12.442	904	906	910	rBV2	34009	49665	1.63%	0.351%
30	12.934	947	949	952	rBV	2323498	3054104	100.00%	21.560%
31	13.837	1025	1028	1037	rVB	87030	130712	4.28%	0.923%
32	13.985	1039	1041	1044	rVV	391613	417208	13.66%	2.945%
33	14.077	1047	1049	1051	rVB	71218	59181	1.94%	0.418%
34	15.414	1164	1166	1174	rVB	210676	324646	10.63%	2.292%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF122215\
Data File : BF084018.D
Acq On : 23 Dec 2015 5:12
Operator : UM/SJ
Sample : G4916-10
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 20151215MGP155BRV169.5

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_F\METHODS\8270-BF122215.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	15.597	1180	1182	1186	rVB	31712	49540	1.62%	0.350%

Sum of corrected areas: 14165422

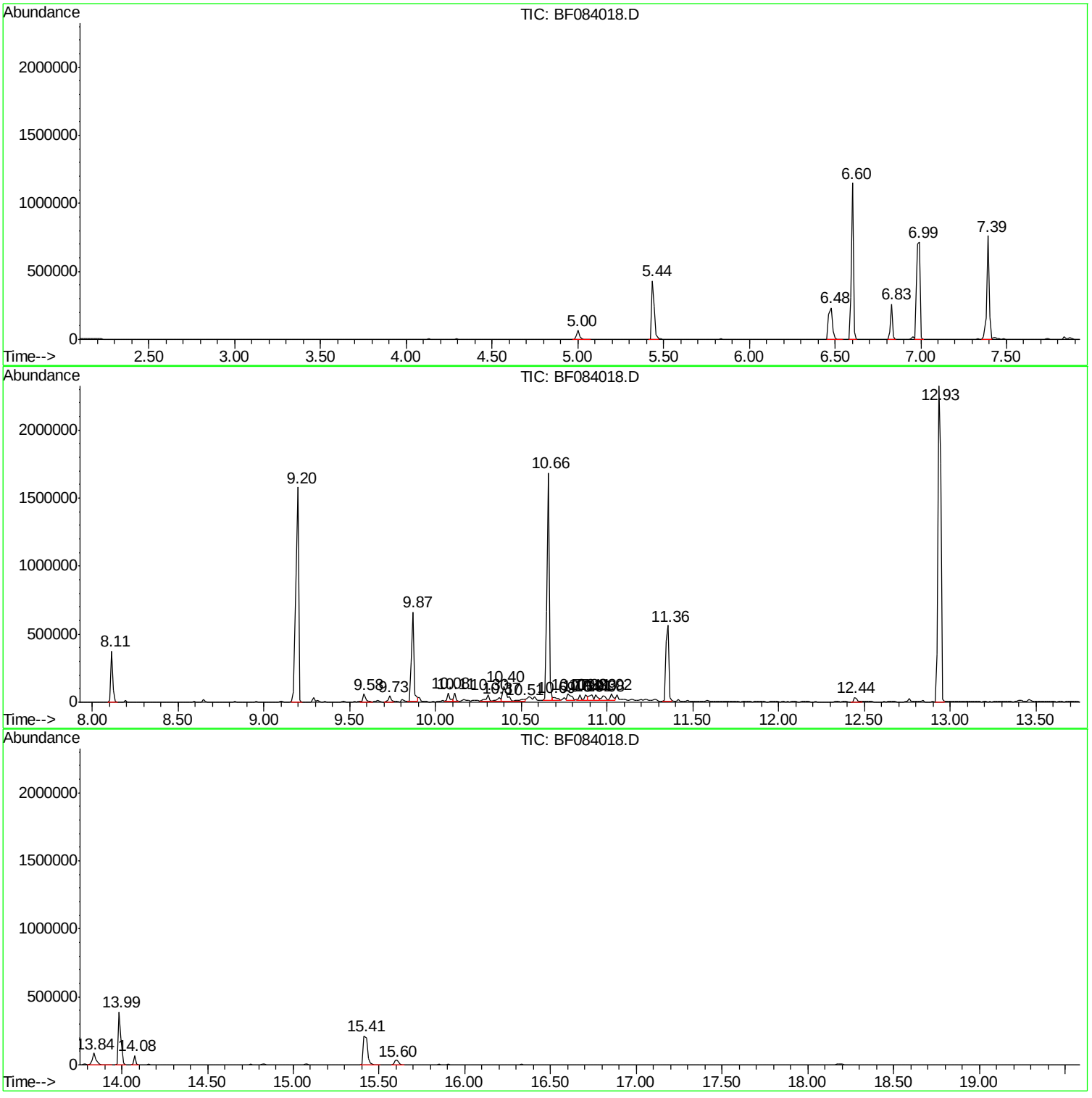
LSC Report - Integrated Chromatogram

Data Path : Z:\HPCHEM1\BNA F\DATA\BF122215\
Data File : BF084018.D
Acq On : 23 Dec 2015 5:12
Operator : UM/SJ
Sample : G4916-10
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 20151215MGP155BRV169.5

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF122215.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P



Data Path : Z:\HPCHEM1\BNA F\DATA\BF122215\
Data File : BF084018.D
Acq On : 23 Dec 2015 5:12
Operator : UM/SJ
Sample : G4916-10
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 20151215MGP155BRV169.5

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF122215.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

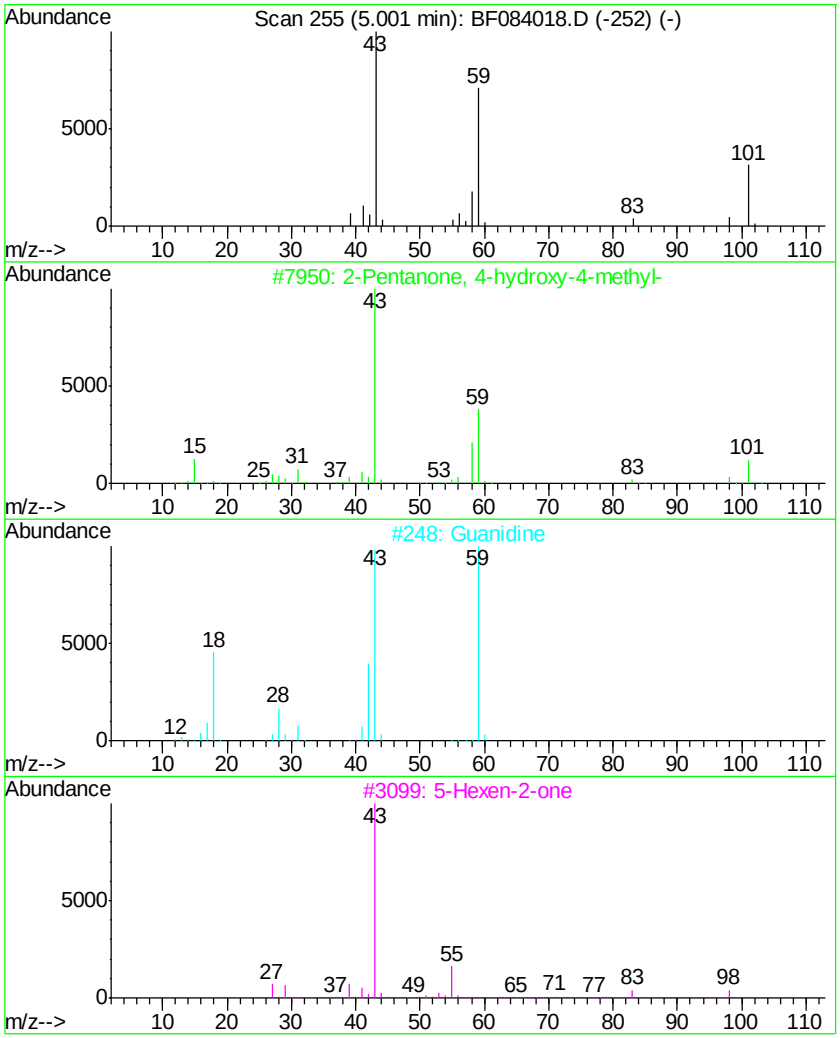
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

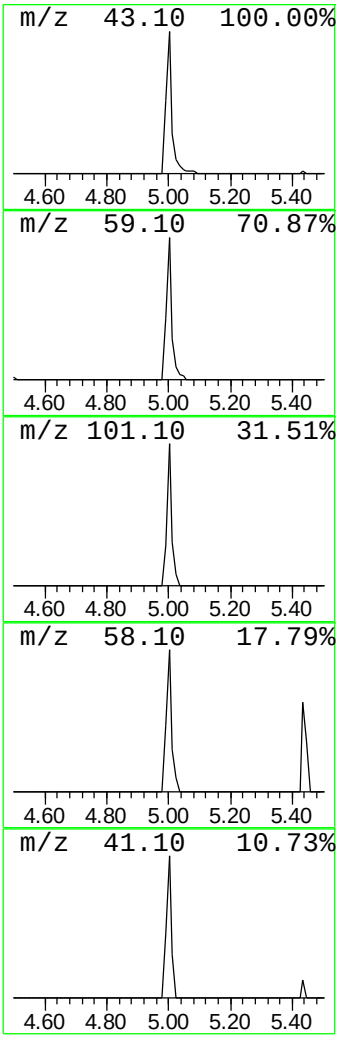
****

Peak Number 1 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.00	7.10 ng	83428	1,4-Dichlorobenzene-d4	6.83

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	56
2	Guanidine	59	CH5N3	000113-00-8	43
3	5-Hexen-2-one	98	C6H10O	000109-49-9	9
4	(+-)-4-Amino-4,5-dihydro-2(3H)-f...	101	C4H7NO2	016504-58-8	9
5	Morpholine, 4-methyl-	101	C5H11NO	000109-02-4	9





Data Path : Z:\HPCHEM1\BNA F\DATA\BF122215\
Data File : BF084018.D
Acq On : 23 Dec 2015 5:12
Operator : UM/SJ
Sample : G4916-10
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 20151215MGP155BRV169.5

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF122215.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

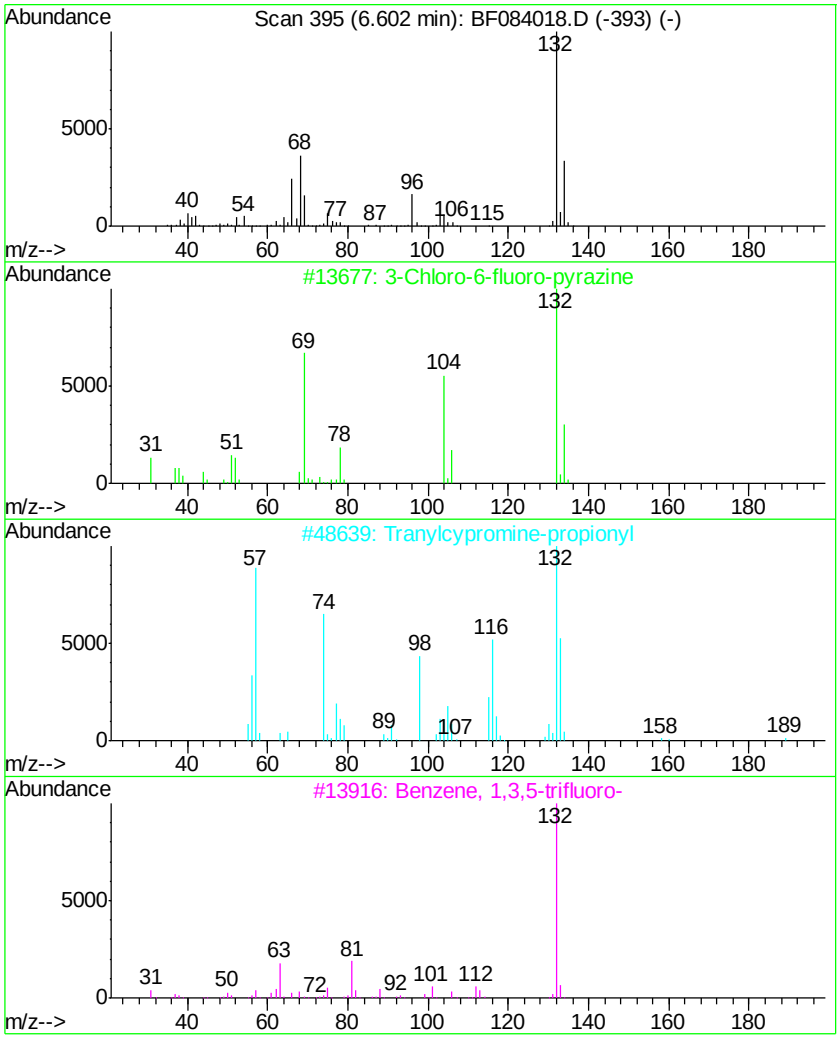
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

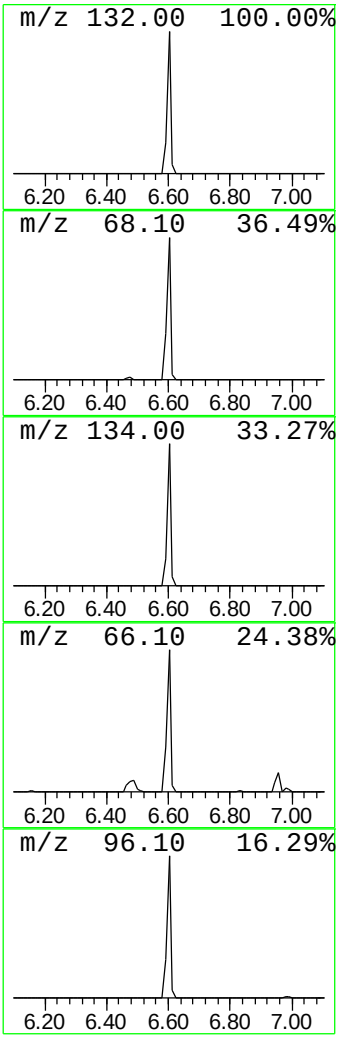
****

Peak Number 2 unknown6.60 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.60	88.71 ng	1042000	1,4-Dichlorobenzene-d4	6.83

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	35
2	Tranylcypromine-propionyl	189	C12H15NO	1000123-86-3	12
3	Benzene, 1,3,5-trifluoro-	132	C6H3F3	000372-38-3	9
4	Bicyclo[4.2.0]octa-1,3,5-triene,...	132	C10H12	028749-81-7	9
5	4-Chloro-6-fluoro-pyrimidine	132	C4H2ClFN2	051422-01-6	9





Data Path : Z:\HPCHEM1\BNA F\DATA\BF122215\
Data File : BF084018.D
Acq On : 23 Dec 2015 5:12
Operator : UM/SJ
Sample : G4916-10
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 20151215MGP155BRV169.5

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF122215.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

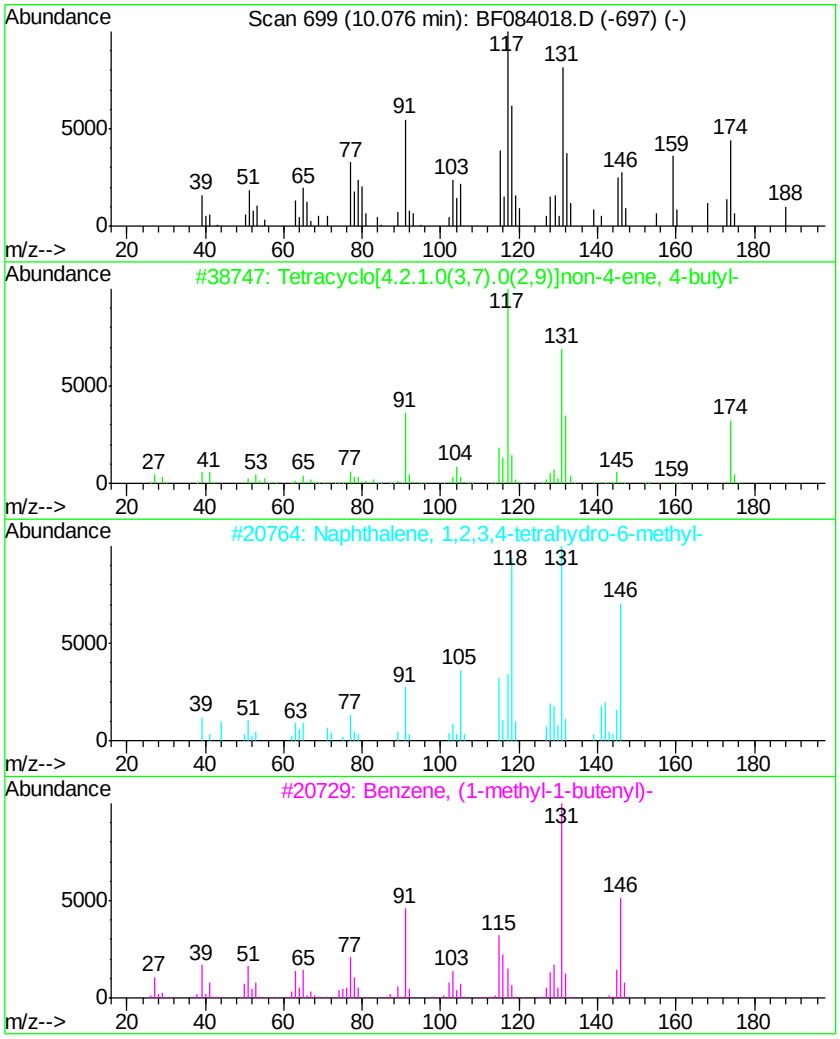
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

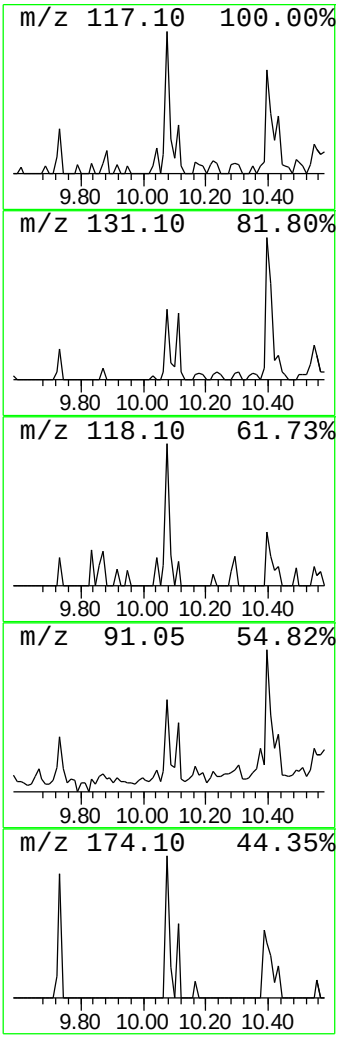
****

Peak Number 4 Tetracyclo[4.2.1.0(3,7).0(2... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.08	2.06 ng	72140	Acenaphthene-d10	9.87

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tetracyclo[4.2.1.0(3,7).0(2,9)]n...	174	C13H18	1000164-31-2	64
2	Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	001680-51-9	50
3	Benzene, (1-methyl-1-butenyl)-	146	C11H14	053172-84-2	46
4	2(5H)-Furanone, 4-methyl-3-phenyl-	174	C11H10O2	033131-14-5	46
5	Bicyclo[4.2.1]nona-2,4,7-triene,...	174	C13H18	1000164-34-7	46





Data Path : Z:\HPCHEM1\BNA F\DATA\BF122215\
Data File : BF084018.D
Acq On : 23 Dec 2015 5:12
Operator : UM/SJ
Sample : G4916-10
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 20151215MGP155BRV169.5

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF122215.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

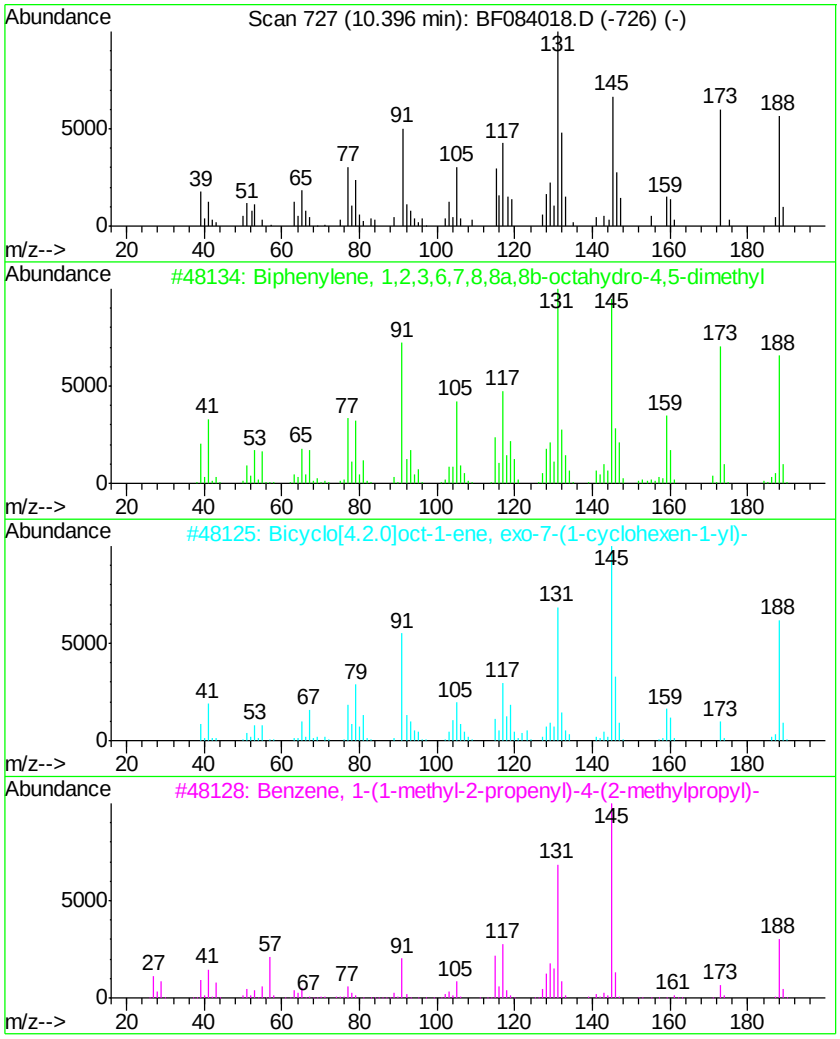
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

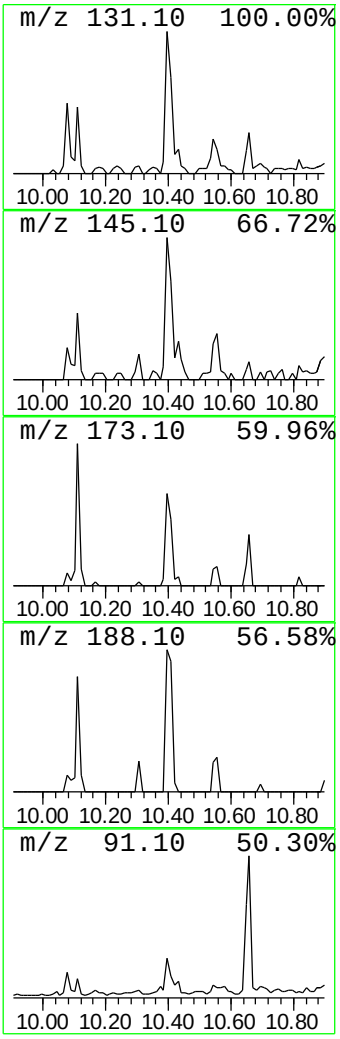
****

Peak Number 5 Biphenylene, 1,2,3,6,7,8,8a... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.40	4.57 ng	160150	Acenaphthene-d10	9.87

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Biphenylene, 1,2,3,6,7,8,8a,8b-o...	188	C14H20	106988-87-8	87
2	Bicyclo[4.2.0]oct-1-ene, exo-7-(...	188	C14H20	1000142-22-1	55
3	Benzene, 1-(1-methyl-2-propenyl)...	188	C14H20	057438-46-7	53
4	Naphthalene, 2-(1,1-dimethylethy...	188	C14H20	042044-22-4	50
5	Naphthalene, 1,2,3,4-tetrahydro-...	188	C14H20	081603-43-2	49





Data Path : Z:\HPCHEM1\BNA F\DATA\BF122215\
Data File : BF084018.D
Acq On : 23 Dec 2015 5:12
Operator : UM/SJ
Sample : G4916-10
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 20151215MGP155BRV169.5

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF122215.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

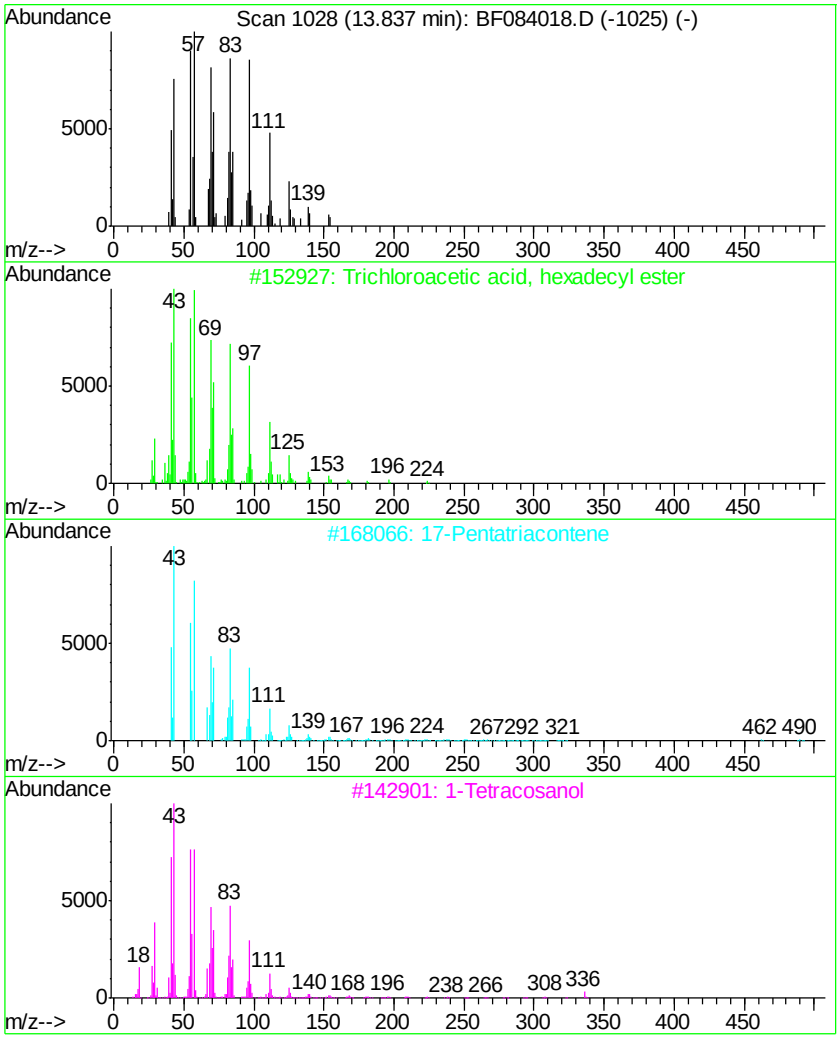
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

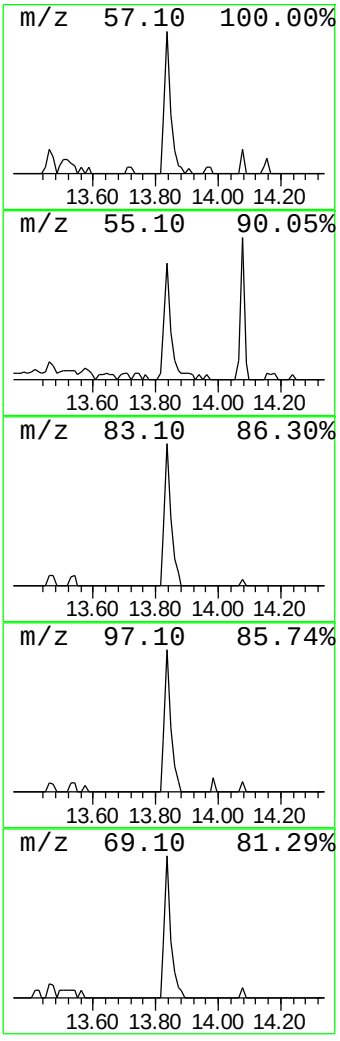
****

Peak Number 6 Trichloroacetic acid, hexad... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.84	6.27 ng	130712	Chrysene-d12	13.99

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Trichloroacetic acid, hexadecyl ...	386	C18H33Cl3O2	074339-54-1	91
2	17-Pentatriacontene	491	C35H70	006971-40-0	91
3	1-Tetracosanol	354	C24H50O	000506-51-4	90
4	1-Hexacosanol	382	C26H54O	000506-52-5	87
5	1-Nonadecene	266	C19H38	018435-45-5	87





Data Path : Z:\HPCHEM1\BNA F\DATA\BF122215\
Data File : BF084018.D
Acq On : 23 Dec 2015 5:12
Operator : UM/SJ
Sample : G4916-10
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 20151215MGP155BRV169.5

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF122215.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

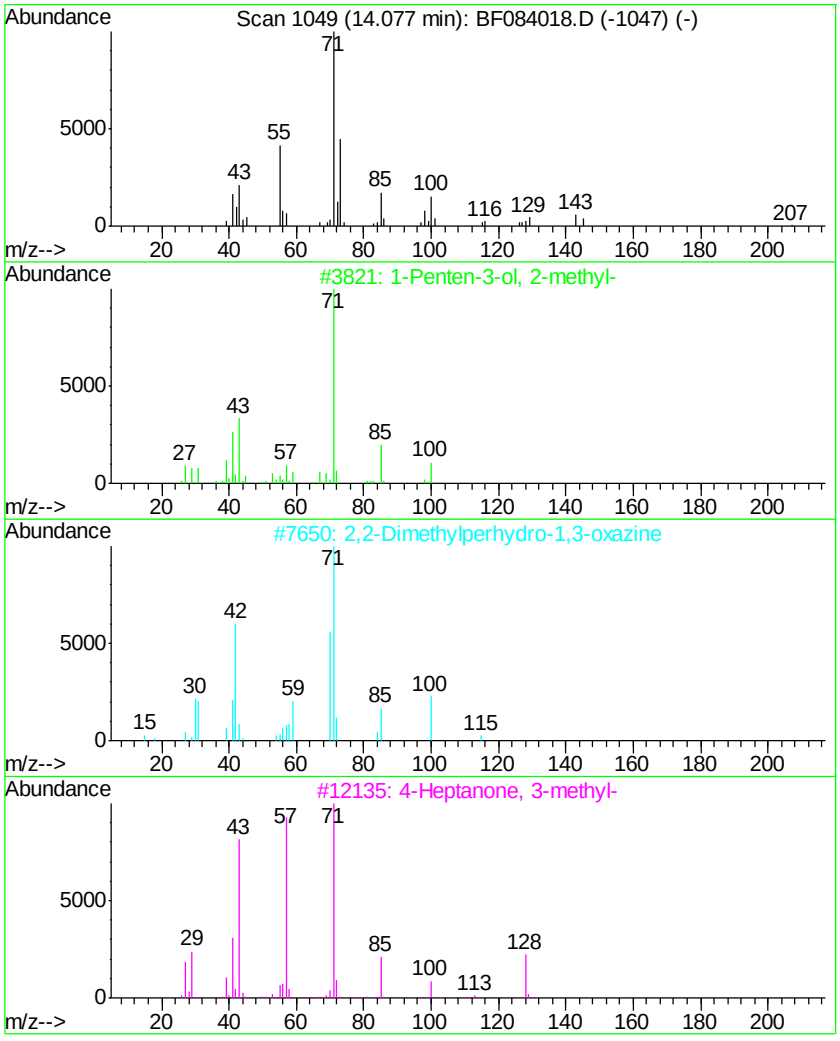
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

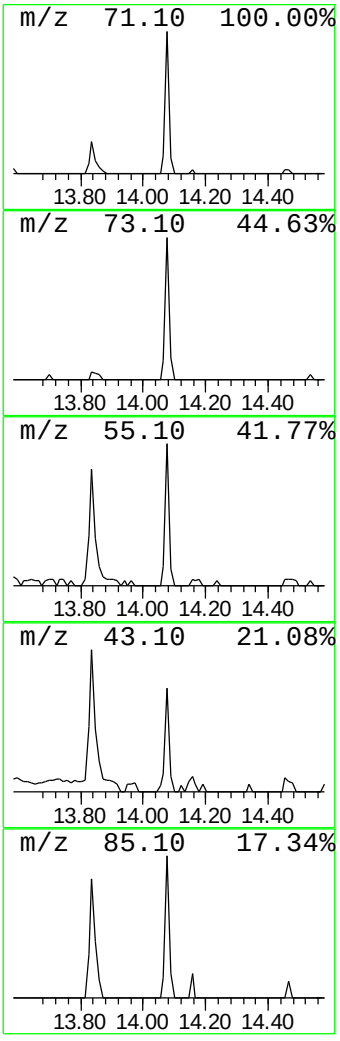
****

Peak Number 7 1-Penten-3-ol, 2-methyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.08	2.84 ng	59181	Chrysene-d12	13.99

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Penten-3-ol, 2-methyl-	100	C6H12O	002088-07-5	59
2	2,2-Dimethylperhydro-1,3-oxazine	115	C6H13NO	073155-29-0	59
3	4-Heptanone, 3-methyl-	128	C8H16O	015726-15-5	38
4	1-Penten-3-ol, 3-methyl-	100	C6H12O	000918-85-4	38
5	Oxirane, 2,2'-[1,4-butanediylbis...	202	C10H18O4	002425-79-8	38





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF122215\
Data File : BF084018.D
Acq On : 23 Dec 2015 5:12
Operator : UM/SJ
Sample : G4916-10
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 20151215MGP155BRV169.5

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF122215.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
2-Pentanone, 4-hy...	5.00	7.1	ng	83428	1	6.83	234931	20.0
unknown6.60	6.60	88.7	ng	1042000	1	6.83	234931	20.0
Tetracyclo[4.2.1....	10.08	2.1	ng	72140	3	9.87	700204	20.0
Biphenylene, 1,2,...	10.40	4.6	ng	160150	3	9.87	700204	20.0
Trichloroacetic a...	13.84	6.3	ng	130712	5	13.99	417208	20.0
1-Penten-3-ol, 2-...	14.08	2.8	ng	59181	5	13.99	417208	20.0