LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF041615\
Data File : BF078579.D
Acq On : 16 Apr 2015 21:43
Operator : TP/IZ
Sample : G1854-06 5X
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : LS-SB10A(7.5-8)

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-BF040115.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	1.450	22	23	29	rVV	12503	20957	1.52%	0.320%
2	1.541	29	31	51	rVB	559662	1374647	100.00%	21.007%
3	4.924	325	327	333	rVB	42767	61906	4.50%	0.946%
4	6.307	447	448	455	rBV	53485	66785	4.86%	1.021%
5	6.410	455	457	460	rVB	66767	68996	5.02%	1.054%
6	6.684	479	481	484	rBV	112658	136049	9.90%	2.079%
7	6.879	495	498	500	rVB	43761	54483	3.96%	0.833%
8	7.393	541	543	548	rVB	40539	40389	2.94%	0.617%
9	8.273	617	620	622	rBV	227537	213374	15.52%	3.261%
10	9.622	736	738	740	rBV	104839	97310	7.08%	1.487%
11	10.422	806	808	810	rBV	252675	257186	18.71%	3.930%
12	10.468	810	812	813	rVB	12712	15590	1.13%	0.238%
13	11.096	865	867	870	rVB	16958	16482	1.20%	0.252%
14	11.394	891	893	896	rVB	52788	58041	4.22%	0.887%
15	12.239	965	967	969	rBV	244800	319617	23.25%	4.884%
16	12.274	969	970	972	rVV	198935	146634	10.67%	2.241%
17	12.331	973	975	978	rVB	39803	47629	3.46%	0.728%
18	12.559	993	995	999	rVB	27903	33930	2.47%	0.519%
19	12.868	1020	1022	1024	rBV	16996	19316	1.41%	0.295%
20	12.902	1024	1025	1028	rVV	25276	21883	1.59%	0.334%
21	12.994	1032	1033	1035	rVV	34093	41161	2.99%	0.629%
22	13.028	1035	1036	1038	rVB	17457	15441	1.12%	0.236%
23	13.268	1054	1057	1059	rVB	14837	24618	1.79%	0.376%
24	13.554	1079	1082	1084	rBV	8588	15265	1.11%	0.233%
25	13.645	1086	1090	1093	rVB3	7481	19932	1.45%	0.305%
26	13.737	1095	1098	1100	rVV	214421	290486	21.13%	4.439%
27	14.000	1119	1121	1124	rBV	256670	286695	20.86%	4.381%
28	14.114	1129	1131	1134	rVV	131742	165335	12.03%	2.527%
29	14.171	1134	1136	1137	rVV	17647	21581	1.57%	0.330%
30	14.205	1137	1139	1140	rVV	13317	18634	1.36%	0.285%
31	14.228	1140	1141	1143	rVV	113583	123949	9.02%	1.894%
32	14.297	1143	1147	1149	rVV2	14045	23835	1.73%	0.364%
33	14.422	1154	1158	1161	rBV	32669	56412	4.10%	0.862%
34	14.514	1163	1166	1167	rBV	19254	27289	1.99%	0.417%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF041615\
Data File : BF078579.D
Acq On : 16 Apr 2015 21:43
Operator : TP/IZ
Sample : G1854-06 5X
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : LS-SB10A(7.5-8)

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-BF040115.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	14.548	1167	1169	1170	rBV	22723	25274	1.84%	0.386%
36	14.925	1198	1202	1204	rBV4	6349	20021	1.46%	0.306%
37	15.051	1209	1213	1216	rBV	22154	40467	2.94%	0.618%
38	15.177	1222	1224	1226	rBV	22527	35726	2.60%	0.546%
39	15.223	1226	1228	1231	rVV2	21918	44971	3.27%	0.687%
40	15.268	1231	1232	1234	rVV2	11967	16972	1.23%	0.259%
41	15.314	1234	1236	1239	rVB	20108	22894	1.67%	0.350%
42	15.428	1244	1246	1247	rBV2	13806	19918	1.45%	0.304%
43	15.497	1248	1252	1254	rVV2	400887	607415	44.19%	9.283%
44	15.531	1254	1255	1257	rVV	117080	87676	6.38%	1.340%
45	15.588	1257	1260	1261	rVV3	13216	18128	1.32%	0.277%
46	15.623	1261	1263	1265	rVB	23544	27719	2.02%	0.424%
47	15.680	1266	1268	1270	rBV3	18428	22904	1.67%	0.350%
48	15.760	1272	1275	1277	rVB	21448	24081	1.75%	0.368%
49	15.805	1277	1279	1281	rBV	17108	24920	1.81%	0.381%
50	16.000	1293	1296	1298	rBV	27927	43825	3.19%	0.670%
51	16.045	1298	1300	1302	rBV2	10802	17828	1.30%	0.272%
52	16.217	1313	1315	1316	rBV2	12956	17793	1.29%	0.272%
53	16.263	1316	1319	1321	rVB3	16251	28579	2.08%	0.437%
54	16.788	1362	1365	1370	rBV	126120	294678	21.44%	4.503%
55	16.903	1373	1375	1377	rVB	27919	34968	2.54%	0.534%
56	17.097	1390	1392	1394	rBV	77976	98355	7.15%	1.503%
57	17.166	1395	1398	1401	rVV	95358	136832	9.95%	2.091%
58	17.223	1401	1403	1408	rBV2	269408	415778	30.25%	6.354%
59	18.434	1507	1509	1515	rVB2	54452	125585	9.14%	1.919%
60	18.766	1536	1538	1543	rBV	45671	88475	6.44%	1.352%

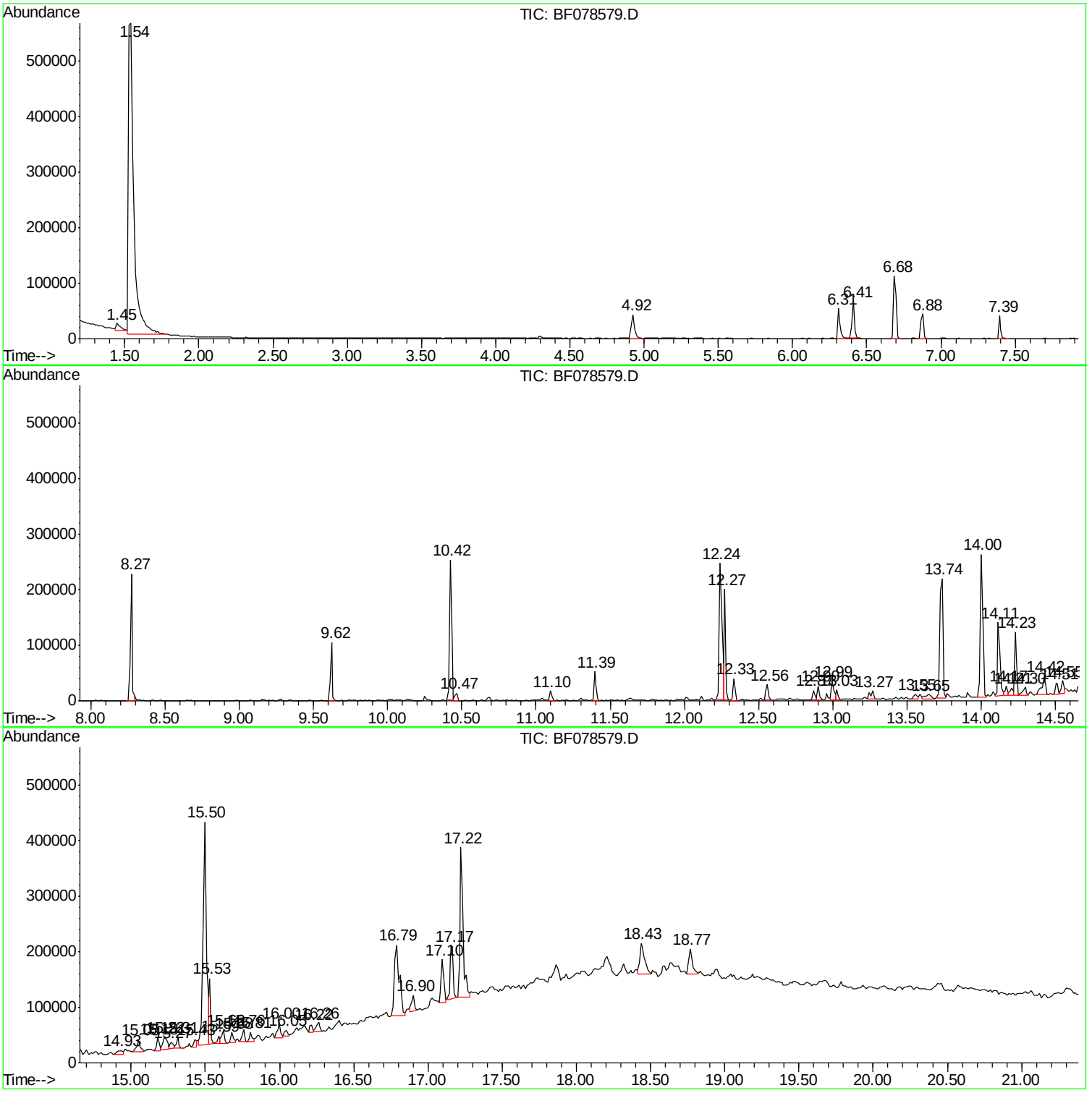
Sum of corrected areas: 6543619

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF041615\
Data File : BF078579.D
Acq On : 16 Apr 2015 21:43
Operator : TP/IZ
Sample : G1854-06 5X
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
LS-SB10A(7.5-8)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF040115.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\BF041615\
Data File : BF078579.D
Acq On : 16 Apr 2015 21:43
Operator : TP/IZ
Sample : G1854-06 5X
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : LS-SB10A(7.5-8)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF040115.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

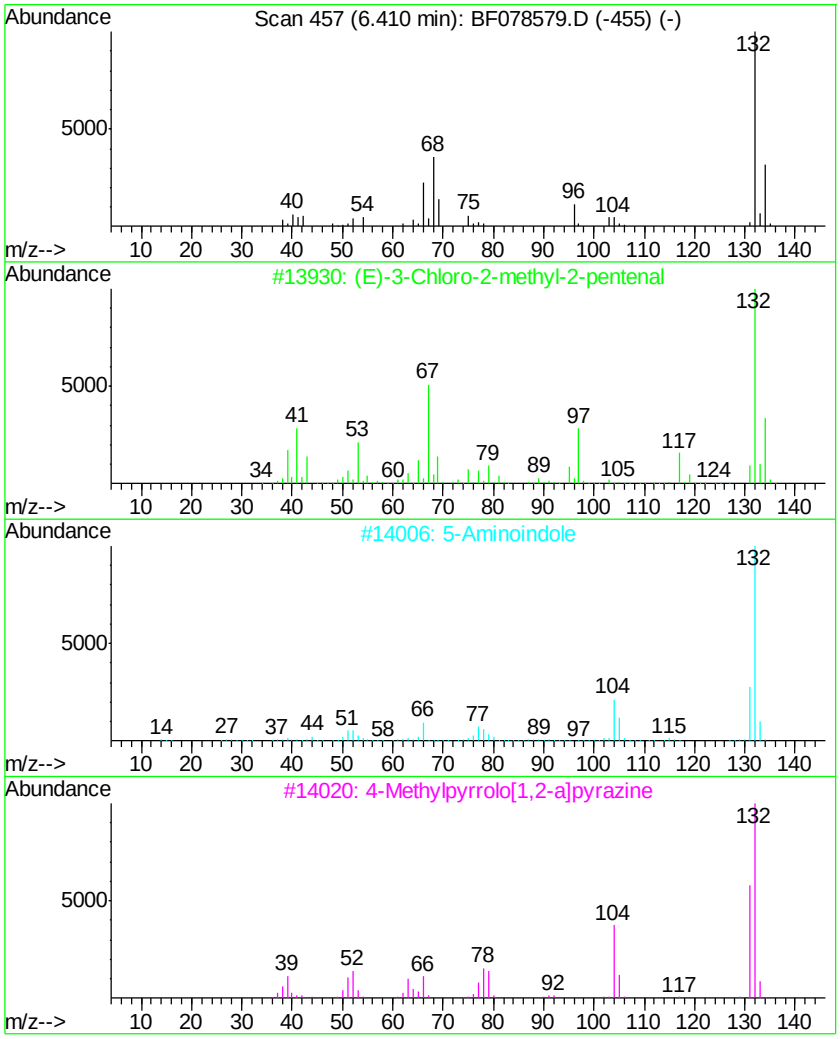
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

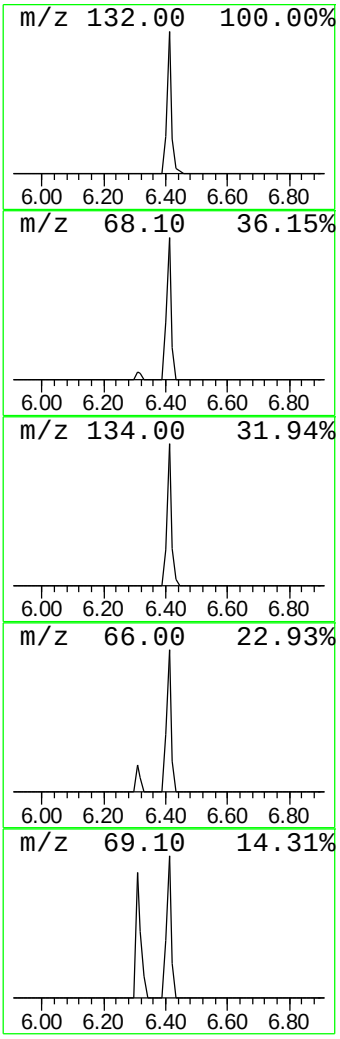
****

Peak Number 3 unknown6.41 Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.41	10.14 ng	68996	1,4-Dichlorobenzene-d4	6.68

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	(E)-3-Chloro-2-methyl-2-pentenal	132	C6H9ClO	031357-76-3	17
2	5-Aminoindole	132	C8H8N2	005192-03-0	10
3	4-Methylpyrrolo[1,2-a]pyrazine	132	C8H8N2	064608-60-2	9
4	1H-Benzimidazole, 2-methyl-	132	C8H8N2	000615-15-6	9
5	Benzene, 1,3,5-trifluoro-	132	C6H3F3	000372-38-3	9





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF041615\
Data File : BF078579.D
Acq On : 16 Apr 2015 21:43
Operator : TP/IZ
Sample : G1854-06 5X
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : LS-SB10A(7.5-8)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF040115.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

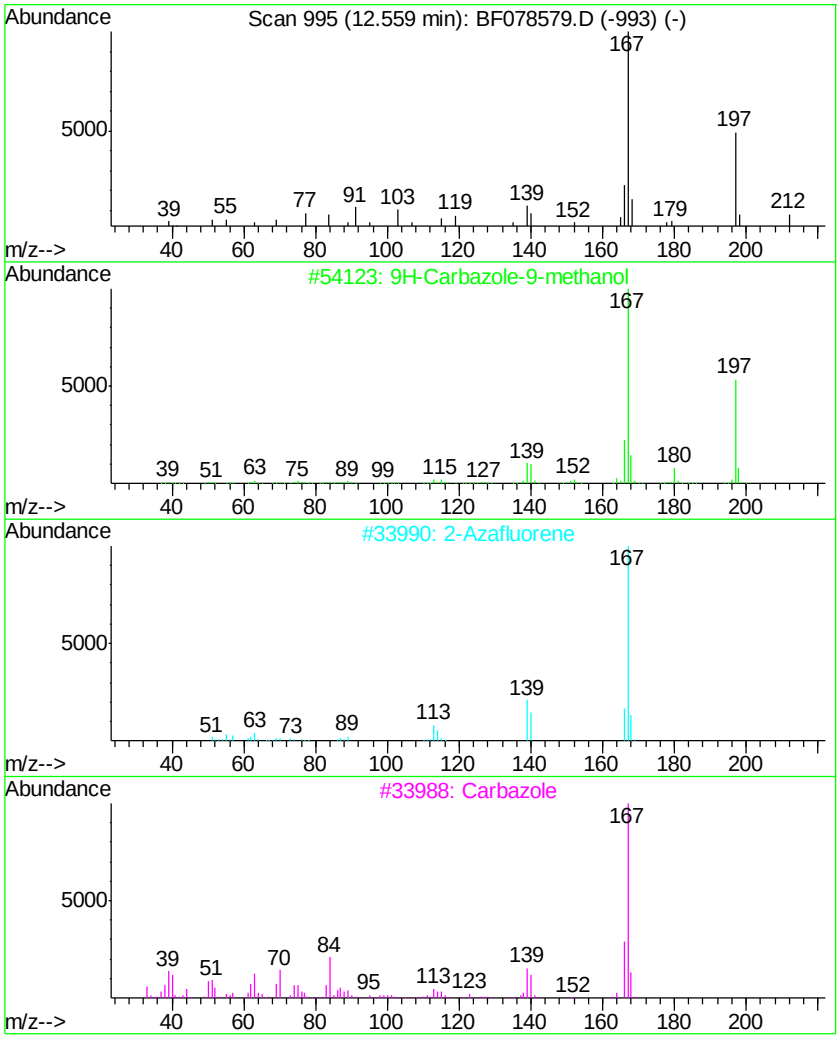
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

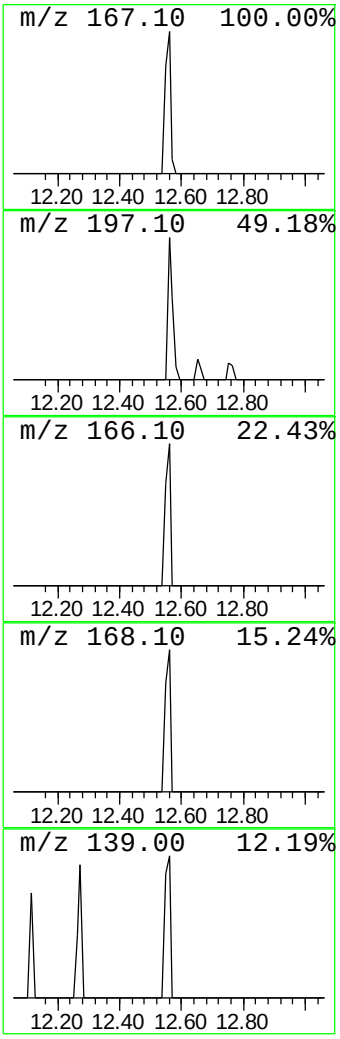
****

Peak Number 5 9H-Carbazole-9-methanol Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.56	2.12 ng	33930	Phenanthrene-d10	12.24

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Carbazole-9-methanol	197	C13H11NO	002409-36-1	83
2	2-Azafluorene	167	C12H9N	000244-40-6	47
3	Carbazole	167	C12H9N	000086-74-8	47
4	1,1'-Biphenyl, 2-azido-	195	C12H9N3	007599-23-7	47
5	9H-Carbazole, 9-nitroso-	196	C12H8N2O	002788-23-0	47





Data Path : Z:\HPCHEM1\BNA_F\DATA\BF041615\
Data File : BF078579.D
Acq On : 16 Apr 2015 21:43
Operator : TP/IZ
Sample : G1854-06 5X
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : LS-SB10A(7.5-8)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF040115.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

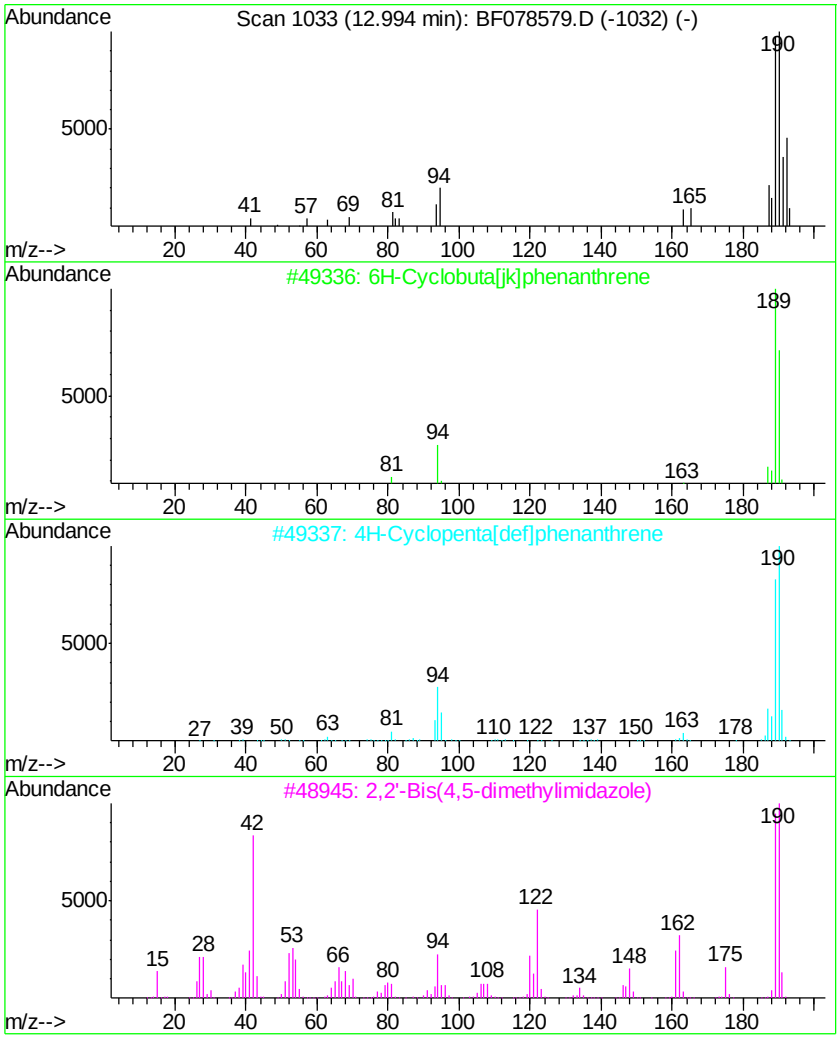
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

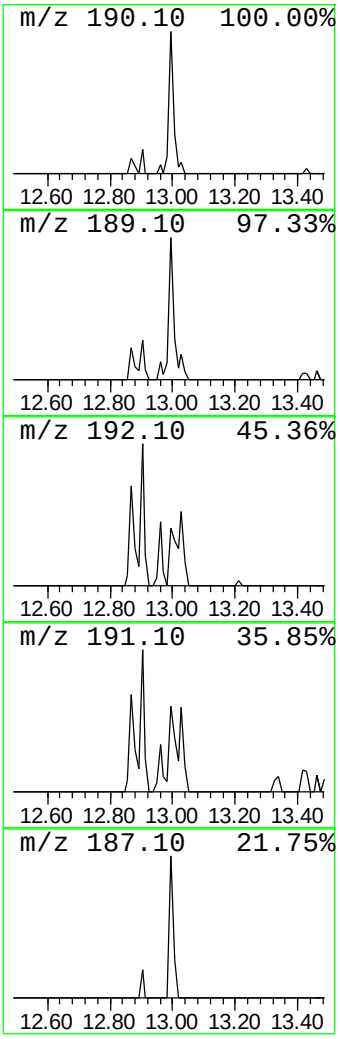
****

Peak Number 6 6H-Cyclobuta[jk]phenanthrene Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.99	2.58 ng	41161	Phenanthrene-d10	12.24

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	59
2	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	58
3	2,2'-Bis(4,5-dimethylimidazole)	190	C10H14N4	069286-06-2	40
4	1,4-Naphthalenedione, 2,5-dihydr...	190	C10H6O4	004923-55-1	16
5	2-Ethylthio-5-chloro-pyrimidin-4...	190	C6H7ClN2OS	106146-79-6	16





Data Path : Z:\HPCHEM1\BNA_F\DATA\BF041615\
Data File : BF078579.D
Acq On : 16 Apr 2015 21:43
Operator : TP/IZ
Sample : G1854-06 5X
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : LS-SB10A(7.5-8)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF040115.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

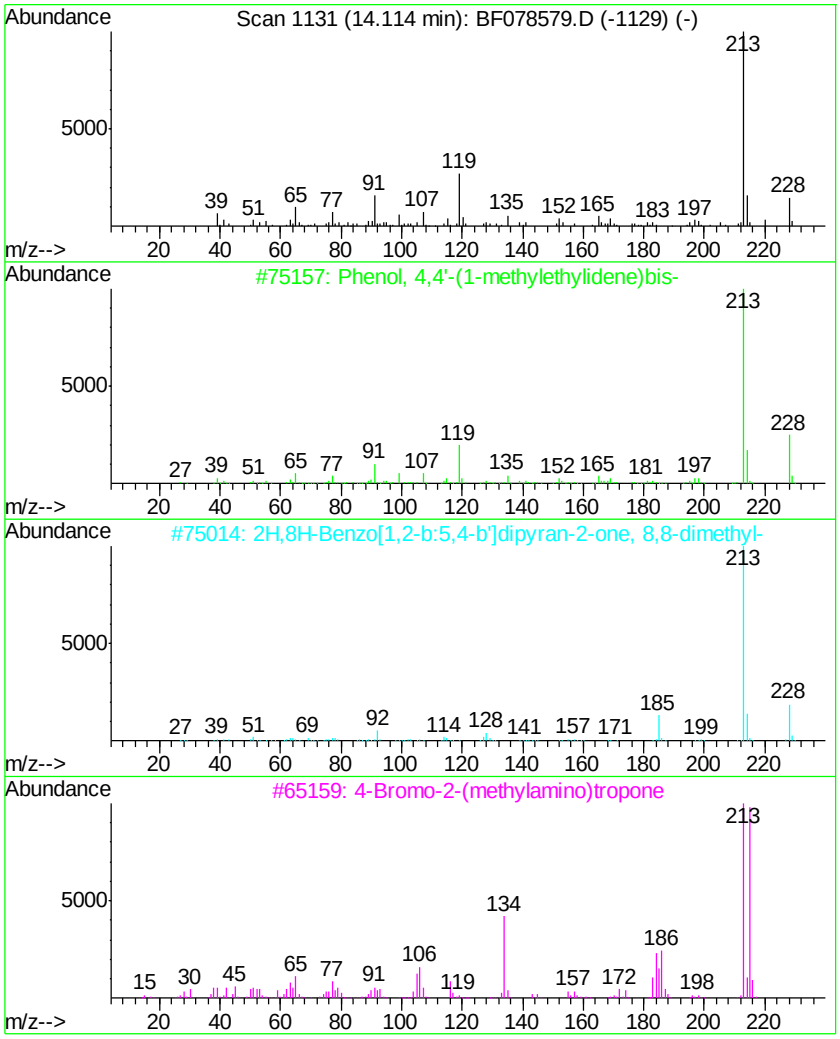
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

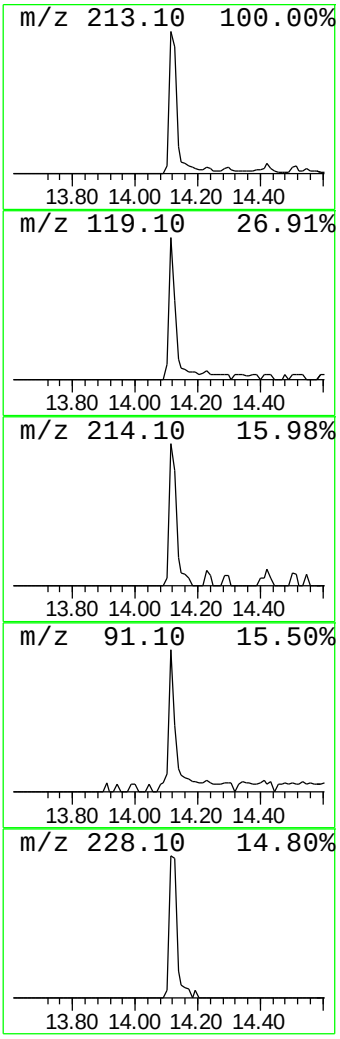
****

Peak Number 7 Phenol, 4,4'-(1-methylethyl... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.11	5.44 ng	165335	Chrysene-d12	15.50

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenol, 4,4'-(1-methylethylidene...	228	C15H16O2	000080-05-7	97
2	2H,8H-Benzo[1,2-b:5,4-b']dipyran...	228	C14H12O3	000553-19-5	58
3	4-Bromo-2-(methylamino)tropone	213	C8H8BrNO	1000241-45-0	53
4	2H,8H-Benzo[1,2-b:3,4-b']dipyran...	228	C14H12O3	000523-59-1	53
5	Carbanilic acid, p-phenyl-	213	C13H11NO2	004474-53-7	52





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF041615\
Data File : BF078579.D
Acq On : 16 Apr 2015 21:43
Operator : TP/IZ
Sample : G1854-06 5X
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : LS-SB10A(7.5-8)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF040115.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
unknown6.41	6.41	10.1	ng	68996	1	6.68	136049	20.0
9H-Carbazole-9-me...	12.56	2.1	ng	33930	4	12.24	319617	20.0
6H-Cyclobuta[jk]p...	12.99	2.6	ng	41161	4	12.24	319617	20.0
Phenol, 4,4'-(1-m...	14.11	5.4	ng	165335	5	15.50	607415	20.0