LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF030215\
Data File : BF077523.D
Acq On : 2 Mar 2015 15:36
Operator : TP/IZ
Sample : G1399-04 5X
Misc : S
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB12

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: CENTROID

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF021915.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	1.412	43	46	48	rBV	1294071	1829675	100.00%	9.611%
2	1.550	55	58	60	rVB	113883	141219	7.72%	0.742%
3	1.721	70	73	76	rVB	69664	103790	5.67%	0.545%
4	1.847	82	84	95	rVB	133222	203512	11.12%	1.069%
5	5.036	361	363	368	rVB	87916	99749	5.45%	0.524%
6	5.367	389	392	395	rBV	474470	512322	28.00%	2.691%
7	5.550	405	408	410	rVB	252220	311973	17.05%	1.639%
8	5.813	429	431	434	rBV	426432	426055	23.29%	2.238%
9	6.236	465	468	470	rVB	149087	151750	8.29%	0.797%
10	6.590	497	499	501	rVB	48042	53955	2.95%	0.283%
11	6.807	516	518	521	rBV	313623	344084	18.81%	1.807%
12	6.967	530	532	534	rBV	403483	370190	20.23%	1.945%
13	7.253	555	557	560	rBV	524640	606430	33.14%	3.186%
14	7.447	571	574	576	rVB	272972	306190	16.73%	1.608%
15	7.950	615	618	620	rVB	169357	214248	11.71%	1.125%
16	8.830	693	695	698	rBV	821730	860248	47.02%	4.519%
17	10.179	810	813	815	rVB	605068	510577	27.91%	2.682%
18	10.648	850	854	856	rVB	21757	27413	1.50%	0.144%
19	10.682	856	857	858	rBV	20038	19985	1.09%	0.105%
20	10.831	869	870	872	rBV	18114	18688	1.02%	0.098%
21	10.968	880	882	883	rBV	20415	19804	1.08%	0.104%
22	11.002	883	885	888	rVB	798242	1018696	55.68%	5.351%
23	11.345	910	915	919	rVV	41796	67333	3.68%	0.354%
24	11.413	919	921	925	rVB4	11726	24238	1.32%	0.127%
25	11.596	933	937	939	rVB	15083	26090	1.43%	0.137%
26	11.871	957	961	962	rBV	14416	24774	1.35%	0.130%
27	11.905	962	964	968	rVB	22577	26861	1.47%	0.141%
28	11.985	968	971	974	rBV	198426	214033	11.70%	1.124%
29	12.042	974	976	978	rBV	14802	18609	1.02%	0.098%
30	12.202	987	990	992	rVB	26471	51707	2.83%	0.272%
31	12.294	996	998	1000	rVB	42716	41927	2.29%	0.220%
32	12.419	1007	1009	1011	rBV	132986	137886	7.54%	0.724%
33	12.591	1022	1024	1026	rBV	220078	201674	11.02%	1.059%
34	12.739	1030	1037	1039	rVV2	20771	37617	2.06%	0.198%

LSC Area Percent Report

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ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_F
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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: CENTROID

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Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF021915.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	12.774	1039	1040	1044	rVB2	17967	22277	1.22%	0.117%
36	12.854	1044	1047	1048	rBV	928009	1103540	60.31%	5.797%
37	12.876	1048	1049	1051	rVB	144781	116855	6.39%	0.614%
38	12.945	1051	1055	1057	rBV	26920	38904	2.13%	0.204%
39	13.276	1081	1084	1087	rVB	18751	25242	1.38%	0.133%
40	13.482	1099	1102	1103	rBV	17860	25587	1.40%	0.134%
41	13.517	1103	1105	1108	rVV	22237	33337	1.82%	0.175%
42	13.608	1111	1113	1115	rVV	40413	51725	2.83%	0.272%
43	13.642	1115	1116	1119	rVB	20438	18495	1.01%	0.097%
44	13.791	1126	1129	1132	rVB4	12068	26695	1.46%	0.140%
45	13.859	1132	1135	1139	rBV3	17112	42897	2.34%	0.225%
46	14.168	1158	1162	1163	rVV2	20384	33163	1.81%	0.174%
47	14.202	1163	1165	1167	rVV3	16080	23241	1.27%	0.122%
48	14.271	1169	1171	1174	rVB2	20420	28988	1.58%	0.152%
49	14.351	1176	1178	1180	rVB	205172	232473	12.71%	1.221%
50	14.431	1183	1185	1187	rVV	50724	67580	3.69%	0.355%
51	14.477	1187	1189	1192	rVB2	39945	44409	2.43%	0.233%
52	14.534	1192	1194	1198	rBV	44003	66606	3.64%	0.350%
53	14.637	1200	1203	1205	rVV	233368	283172	15.48%	1.488%
54	14.694	1205	1208	1210	rVV4	9311	23100	1.26%	0.121%
55	14.740	1210	1212	1214	rVV3	18332	23420	1.28%	0.123%
56	14.797	1214	1217	1218	rVV2	17144	23556	1.29%	0.124%
57	14.842	1218	1221	1224	rVV	614576	622748	34.04%	3.271%
58	14.911	1224	1227	1230	rVB3	15123	34062	1.86%	0.179%
59	15.025	1235	1237	1238	rVV2	14837	21554	1.18%	0.113%
60	15.060	1238	1240	1243	rVB2	26720	38528	2.11%	0.202%
61	15.174	1248	1250	1253	rVV2	25116	39201	2.14%	0.206%
62	15.288	1259	1260	1262	rBV	19208	20447	1.12%	0.107%
63	15.334	1262	1264	1267	rBV3	19081	40340	2.20%	0.212%
64	15.391	1267	1269	1272	rVV4	13711	24978	1.37%	0.131%
65	15.825	1304	1307	1309	rBV2	21727	49829	2.72%	0.262%
66	15.940	1314	1317	1321	rVV	646251	762006	41.65%	4.003%
67	16.145	1332	1335	1337	rBV	1173384	1380071	75.43%	7.250%
68	16.351	1350	1353	1355	rVB	591548	663938	36.29%	3.488%
69	16.408	1355	1358	1359	rBV	845347	1017553	55.61%	5.345%
70	16.443	1359	1361	1362	rVV	299113	357002	19.51%	1.875%
71	16.477	1362	1364	1367	rVB	391180	416175	22.75%	2.186%

LSC Area Percent Report

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Data File : BF077523.D
Acq On : 2 Mar 2015 15:36
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Sample : G1399-04 5X
Misc : S
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB12

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: CENTROID

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF021915.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

72	16.660	1378	1380	1382	rBV2	38832	44923	2.46%	0.236%
73	16.865	1396	1398	1401	rVB2	137040	200280	10.95%	1.052%
74	16.957	1404	1406	1408	rBV	33276	64042	3.50%	0.336%
75	17.094	1416	1418	1421	rBV3	43891	81590	4.46%	0.429%
76	17.471	1449	1451	1455	rBV	103259	265929	14.53%	1.397%
77	17.803	1478	1480	1483	rVB	95044	130553	7.14%	0.686%
78	17.871	1483	1486	1488	rVB	77750	94212	5.15%	0.495%
79	17.940	1489	1492	1496	rBV	910466	1288060	70.40%	6.766%

Sum of corrected areas: 19036585

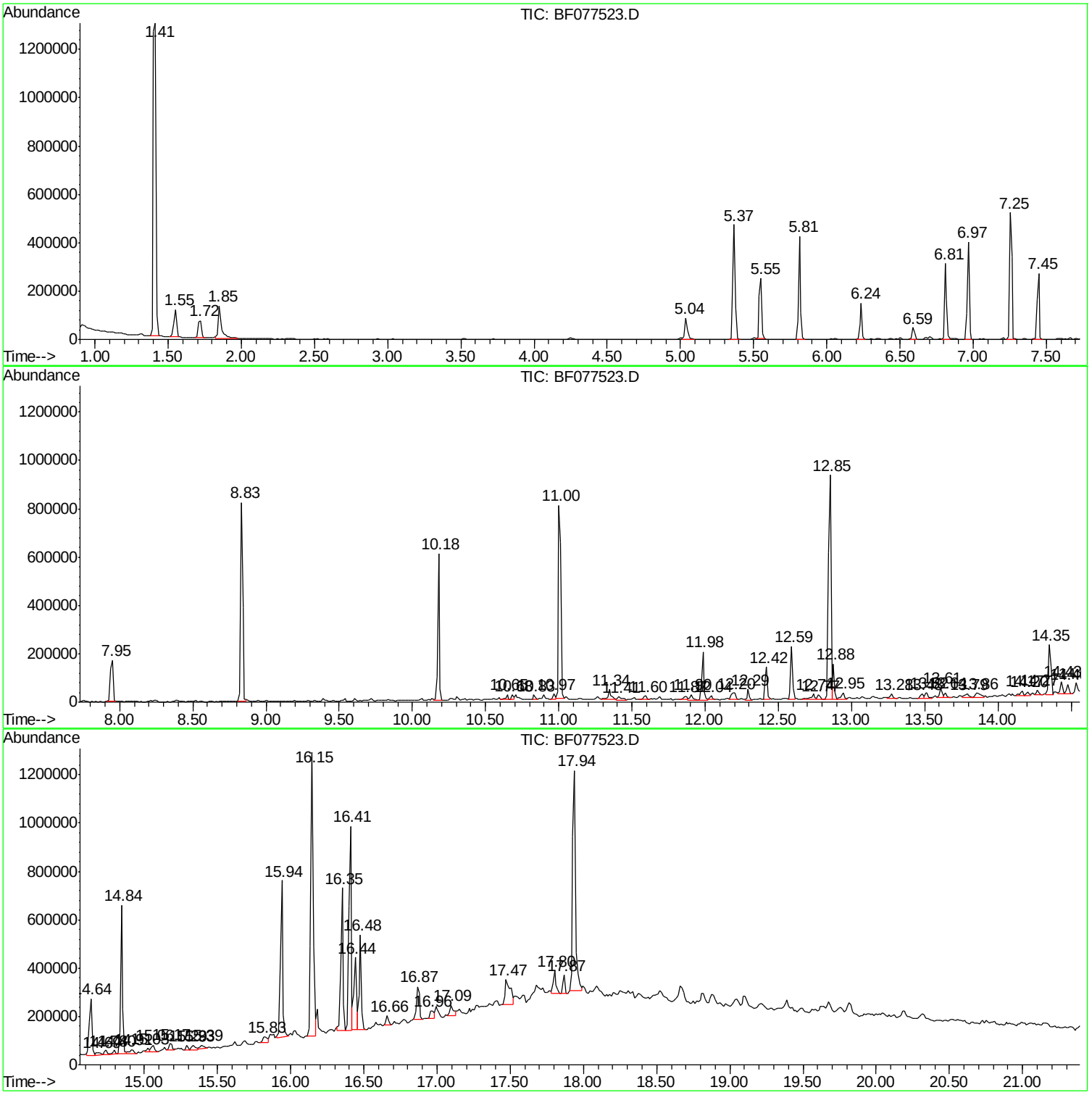
LSC Report - Integrated Chromatogram

Data Path : Z:\HPCHEM1\BNA F\DATA\BF030215\
Data File : BF077523.D
Acq On : 2 Mar 2015 15:36
Operator : TP/IZ
Sample : G1399-04 5X
Misc : S
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB12

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF021915.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\BF030215\
Data File : BF077523.D
Acq On : 2 Mar 2015 15:36
Operator : TP/IZ
Sample : G1399-04 5X
Misc : S
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB12

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF021915.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

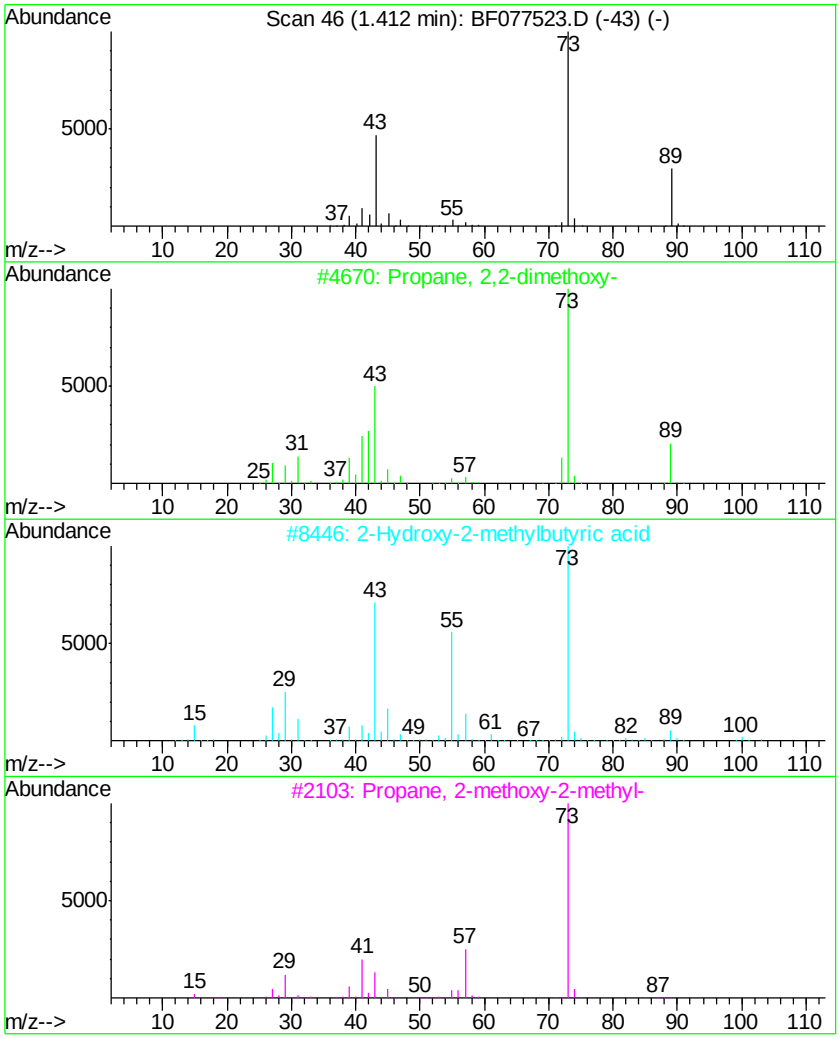
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

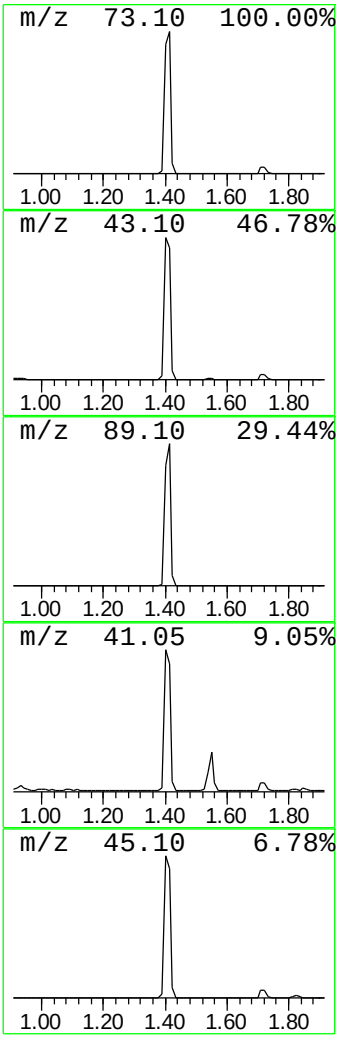
****

Peak Number 1 Propane, 2,2-dimethoxy- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.41	60.34 ng	1829680	1,4-Dichlorobenzene-d4	7.26

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Propane, 2,2-dimethoxy-	104	C5H12O2	000077-76-9	50
2	2-Hydroxy-2-methylbutyric acid	118	C5H10O3	003739-30-8	9
3	Propane, 2-methoxy-2-methyl-	88	C5H12O	001634-04-4	9
4	N-Ethylformamide	73	C3H7NO	000627-45-2	5
5	1,3,5-Trioxane	90	C3H6O3	000110-88-3	4





Data Path : Z:\HPCHEM1\BNA F\DATA\BF030215\
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Acq On : 2 Mar 2015 15:36
Operator : TP/IZ
Sample : G1399-04 5X
Misc : S
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB12

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF021915.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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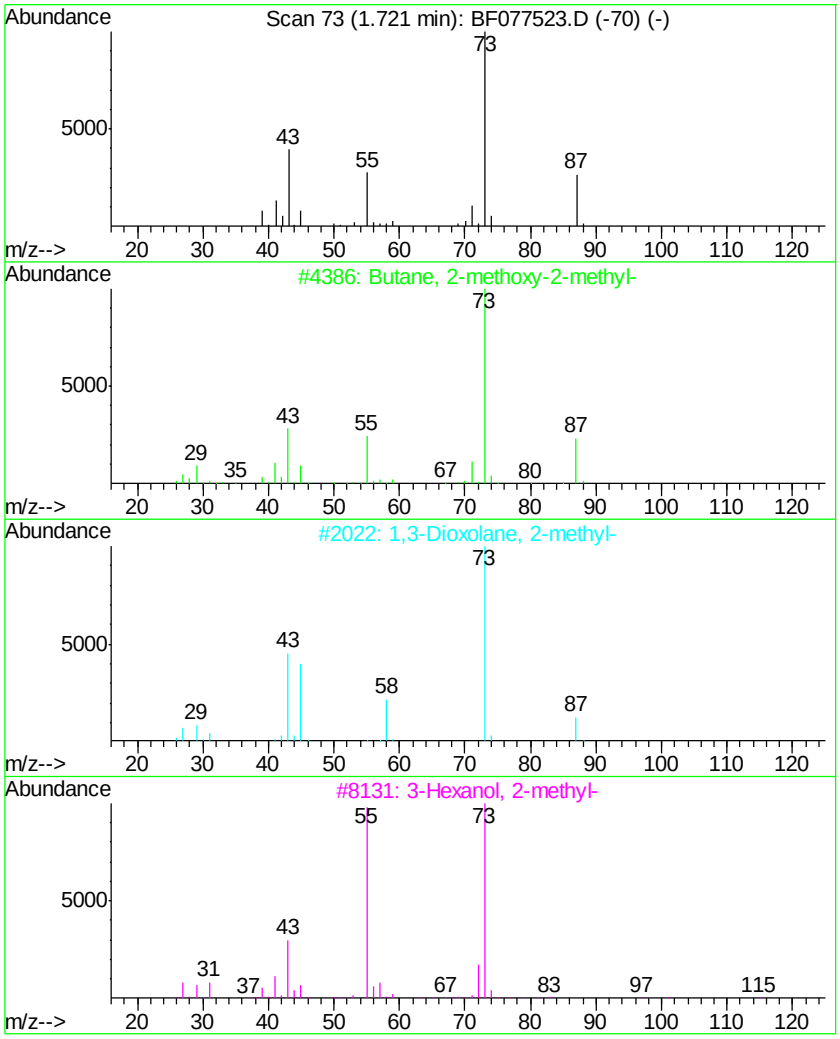
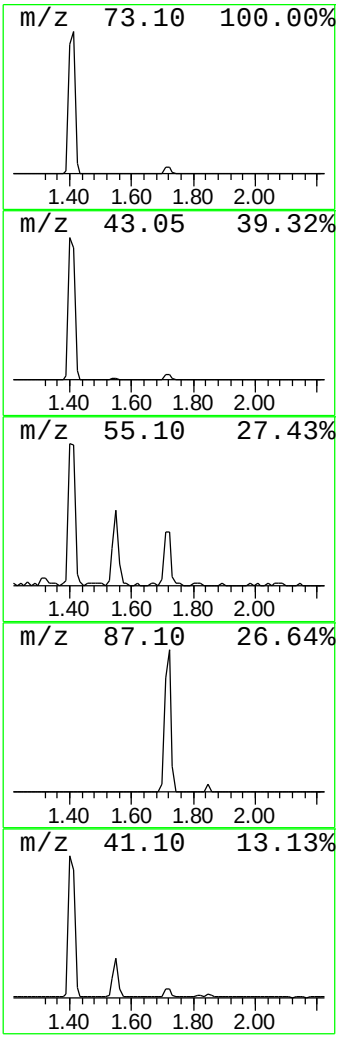
Peak Number 3 Butane, 2-methoxy-2-methyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.72	3.42 ng	103790	1,4-Dichlorobenzene-d4	7.26

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane, 2-methoxy-2-methyl-	102	C6H14O	000994-05-8	78
2	1,3-Dioxolane, 2-methyl-	88	C4H8O2	000497-26-7	28
3	3-Hexanol, 2-methyl-	116	C7H16O	000617-29-8	25
4	Acetamide, N-ethyl-	87	C4H9NO	000625-50-3	12
5	Pentane, 3-methoxy-	102	C6H14O	036839-67-5	12





Data Path : Z:\HPCHEM1\BNA F\DATA\BF030215\
Data File : BF077523.D
Acq On : 2 Mar 2015 15:36
Operator : TP/IZ
Sample : G1399-04 5X
Misc : S
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB12

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF021915.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
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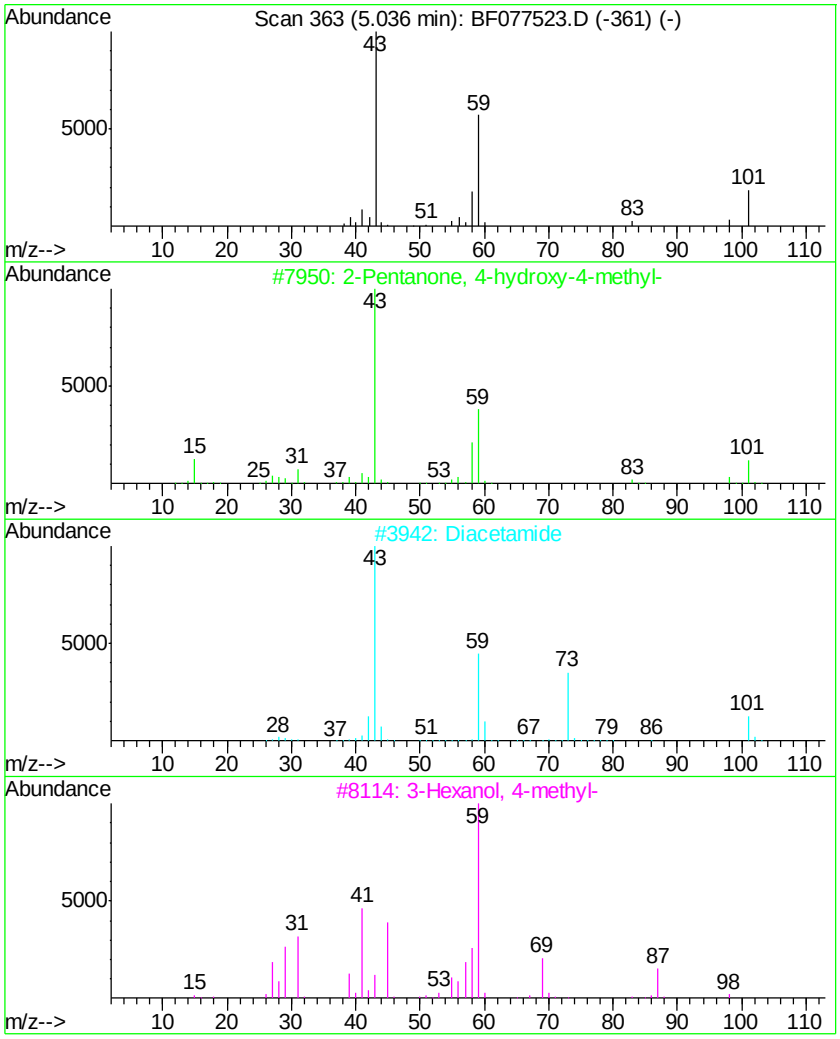
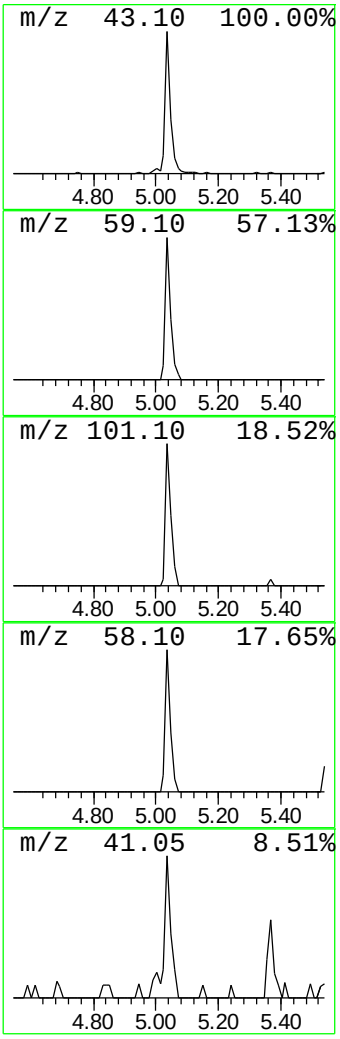
Peak Number 5 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.04	3.29 ng	99749	1,4-Dichlorobenzene-d4	7.26

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	59
2	Diacetamide	101	C4H7NO2	000625-77-4	9
3	3-Hexanol, 4-methyl-	116	C7H16O	000615-29-2	9
4	1-Propen-2-ol, acetate	100	C5H8O2	000108-22-5	9
5	Propane, 2-methyl-2-(1-methyleth...	116	C7H16O	017348-59-3	9





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Sample : G1399-04 5X
Misc : S
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB12

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF021915.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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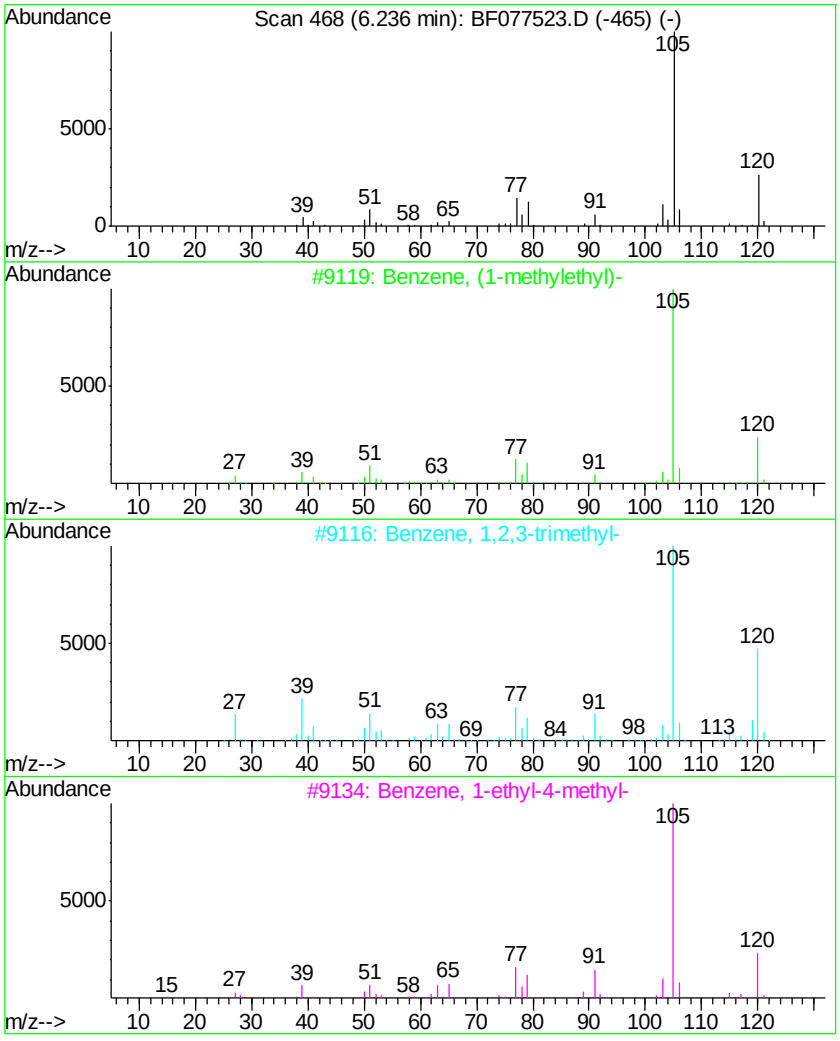
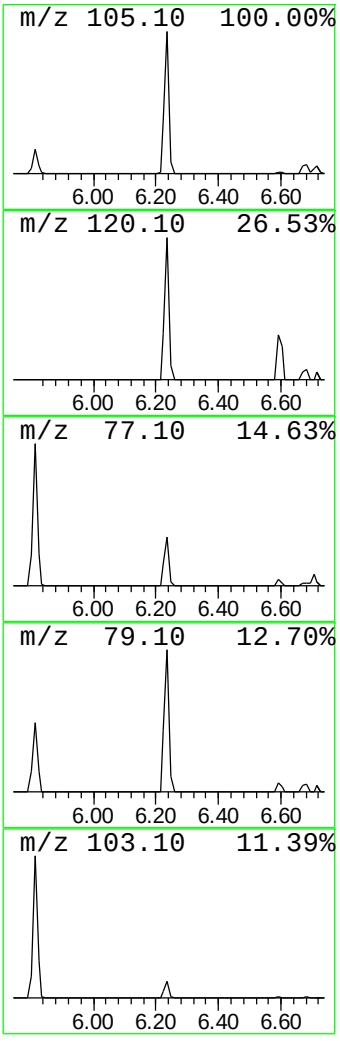
Peak Number 8 Benzene, (1-methylethyl)- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.24	5.00 ng	151750	1,4-Dichlorobenzene-d4	7.26

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, (1-methylethyl)-	120	C9H12	000098-82-8	94
2	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	91
3	Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	86
4	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	80
5	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	72





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Sample : G1399-04 5X
Misc : S
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB12

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF021915.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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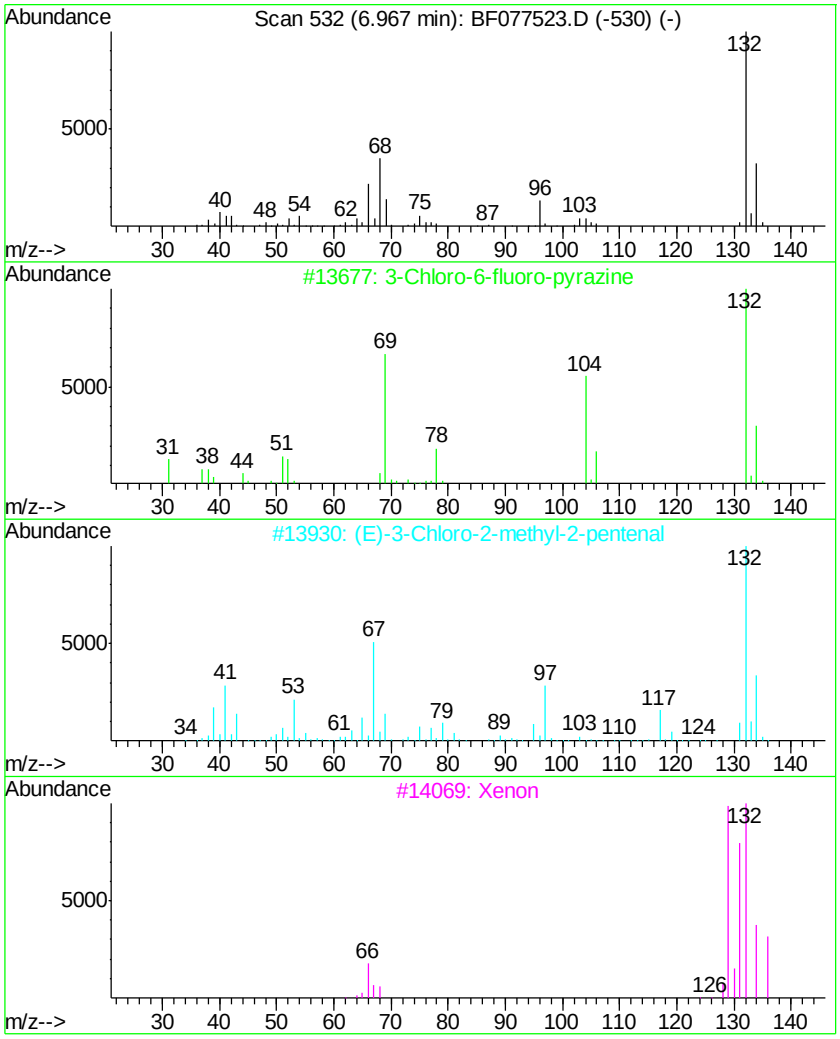
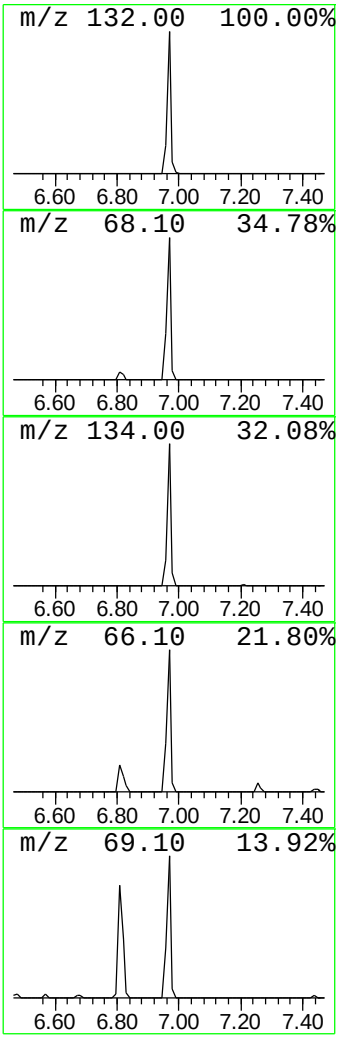
Peak Number 9 unknown6.97 Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.97	12.21 ng	370190	1,4-Dichlorobenzene-d4	7.26

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	35
2	(E)-3-Chloro-2-methyl-2-pentenal	132	C6H9ClO	031357-76-3	17
3	Xenon	132	Xe	007440-63-3	9
4	5-Fluoro-2-chloropyrimidine	132	C4H2ClFN2	062802-42-0	9
5	4-Chloro-6-fluoro-pyrimidine	132	C4H2ClFN2	051422-01-6	9





Data Path : Z:\HPCHEM1\BNA F\DATA\BF030215\
Data File : BF077523.D
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Operator : TP/IZ
Sample : G1399-04 5X
Misc : S
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB12

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF021915.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

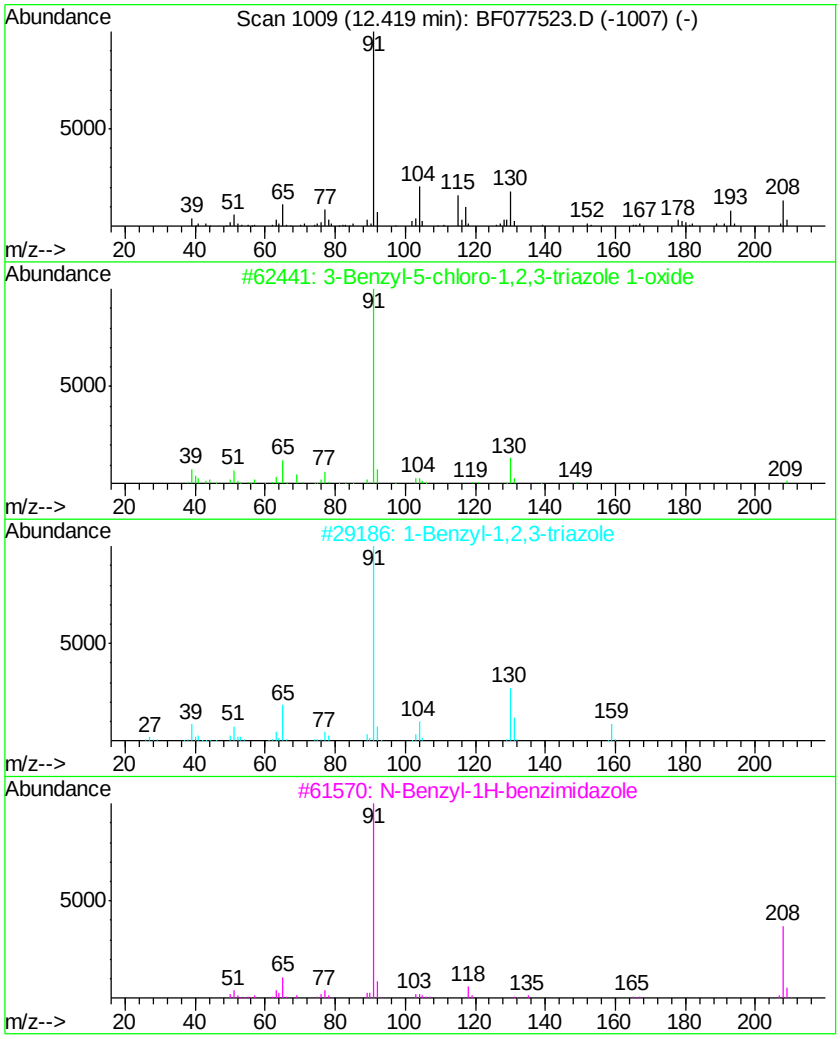
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

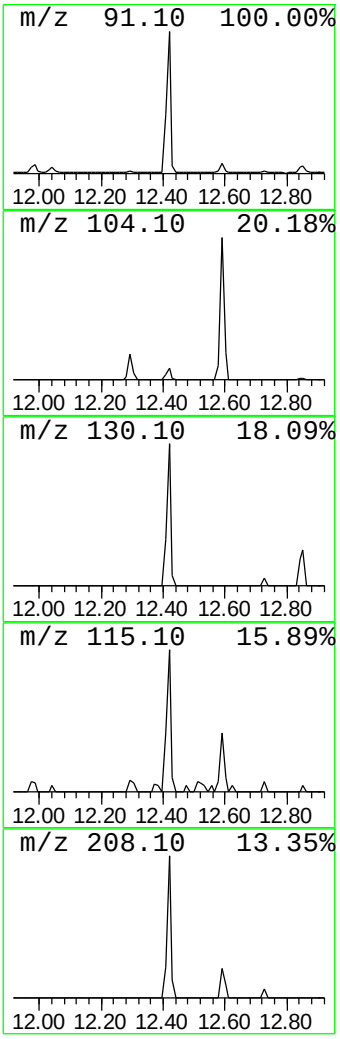
****

Peak Number 11 unknown12.42 Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.42	2.50 ng	137886	Phenanthrene-d10	12.85

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Benzyl-5-chloro-1,2,3-triazole...	209	C9H8ClN3O	116932-67-3	38
2	1-Benzyl-1,2,3-triazole	159	C9H9N3	004368-68-7	35
3	N-Benzyl-1H-benzimidazole	208	C14H12N2	004981-92-4	22
4	3-(Benzylthio)acrylic acid, meth...	208	C11H12O2S	1000192-96-8	14
5	3-Benzyl-4-chloro-1,2,3-triazole...	209	C9H8ClN3O	116932-63-9	11





Data Path : Z:\HPCHEM1\BNA F\DATA\BF030215\
Data File : BF077523.D
Acq On : 2 Mar 2015 15:36
Operator : TP/IZ
Sample : G1399-04 5X
Misc : S
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB12

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF021915.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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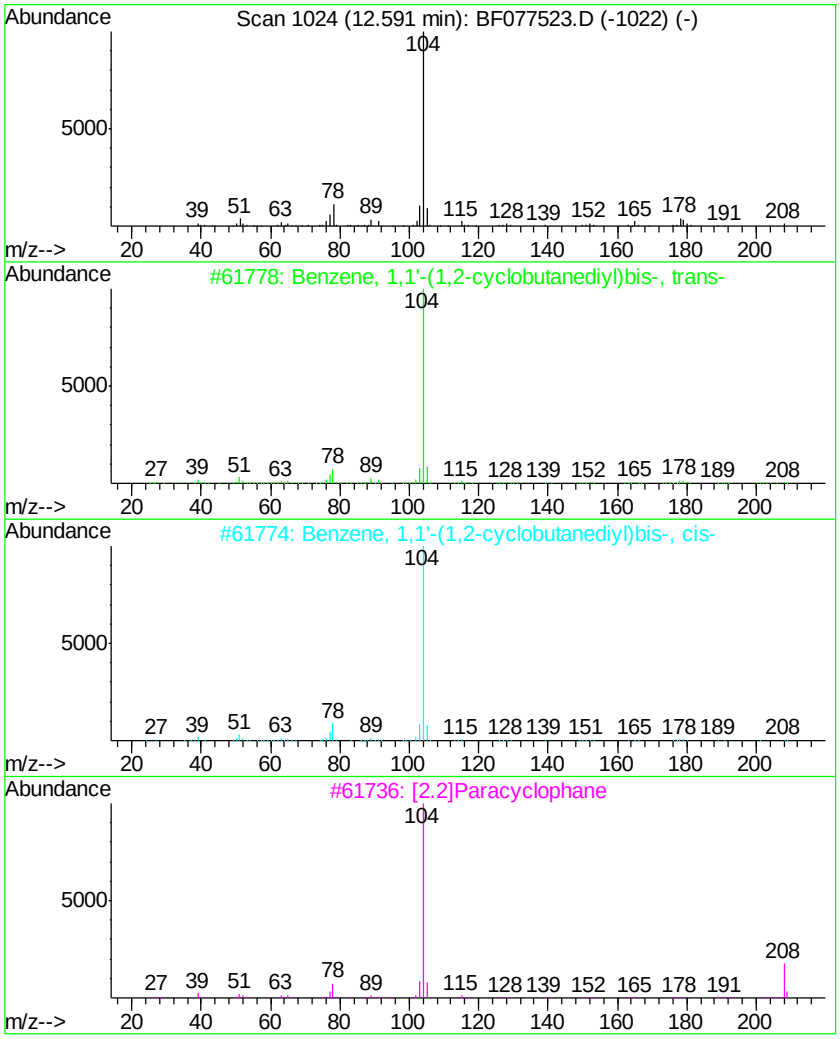
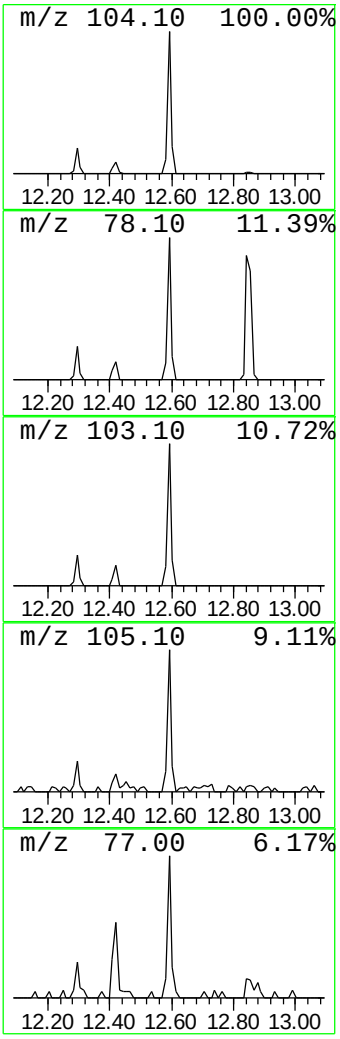
Peak Number 12 Benzene, 1,1'-(1,2-cyclobut... Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.59	3.66 ng	201674	Phenanthrene-d10	12.85

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,1'-(1,2-cyclobutanedi...	208	C16H16	020071-09-4	90
2	Benzene, 1,1'-(1,2-cyclobutanedi...	208	C16H16	007694-30-6	90
3	[2.2]Paracyclophane	208	C16H16	001633-22-3	72
4	Cyclobutane, 1,3-diphenyl-, trans-	208	C16H16	025558-23-0	72
5	Cyclobutane, 1,2-diphenyl-	208	C16H16	003018-21-1	56





Data Path : Z:\HPCHEM1\BNA F\DATA\BF030215\
Data File : BF077523.D
Acq On : 2 Mar 2015 15:36
Operator : TP/IZ
Sample : G1399-04 5X
Misc : S
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB12

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF021915.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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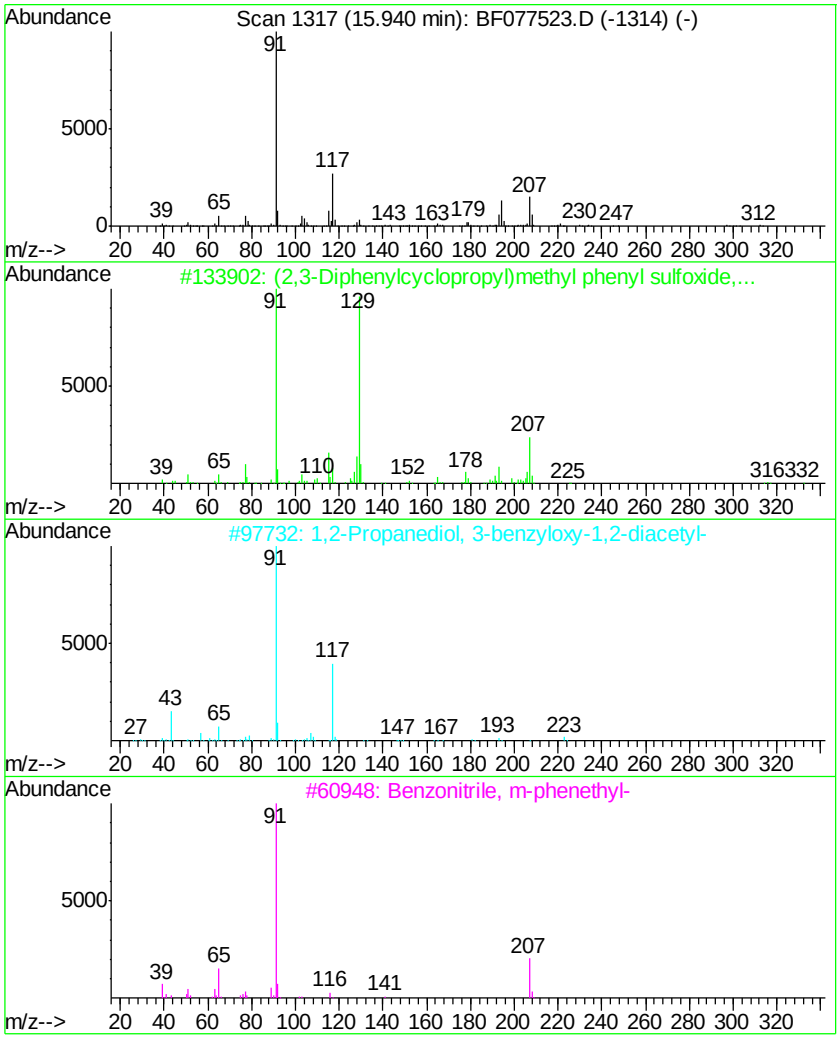
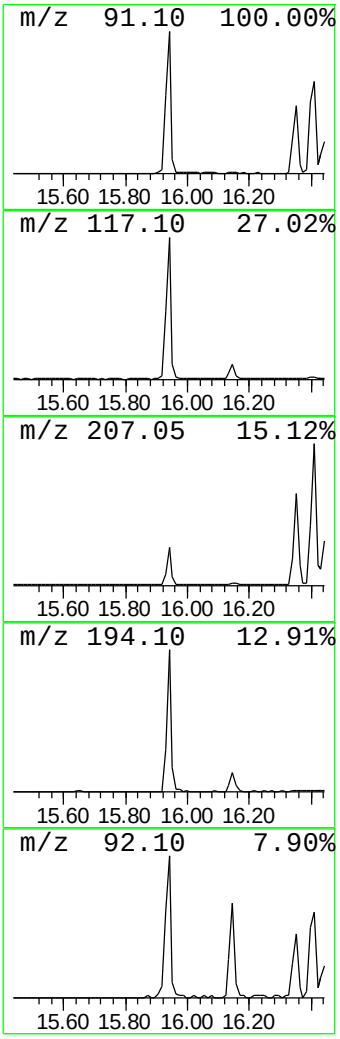
Peak Number 13 unknown15.94 Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.94	11.04 ng	762006	Chrysene-d12	16.15

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	(2,3-Diphenylcyclopropyl)methyl ...	332	C22H20OS	131758-71-9	43
2	1,2-Propanediol, 3-benzyloxy-1,2...	266	C14H18O5	013754-10-4	32
3	Benzonitrile, m-phenethyl-	207	C15H13N	034176-91-5	25
4	Benzene, (5-iodopentyl)-	274	C11H15I	099858-37-4	17
5	Alpha-phenyl-alpha-tropylacetald...	378	C22H22N2O2S	022532-16-7	16





Data Path : Z:\HPCHEM1\BNA F\DATA\BF030215\
Data File : BF077523.D
Acq On : 2 Mar 2015 15:36
Operator : TP/IZ
Sample : G1399-04 5X
Misc : S
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB12

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF021915.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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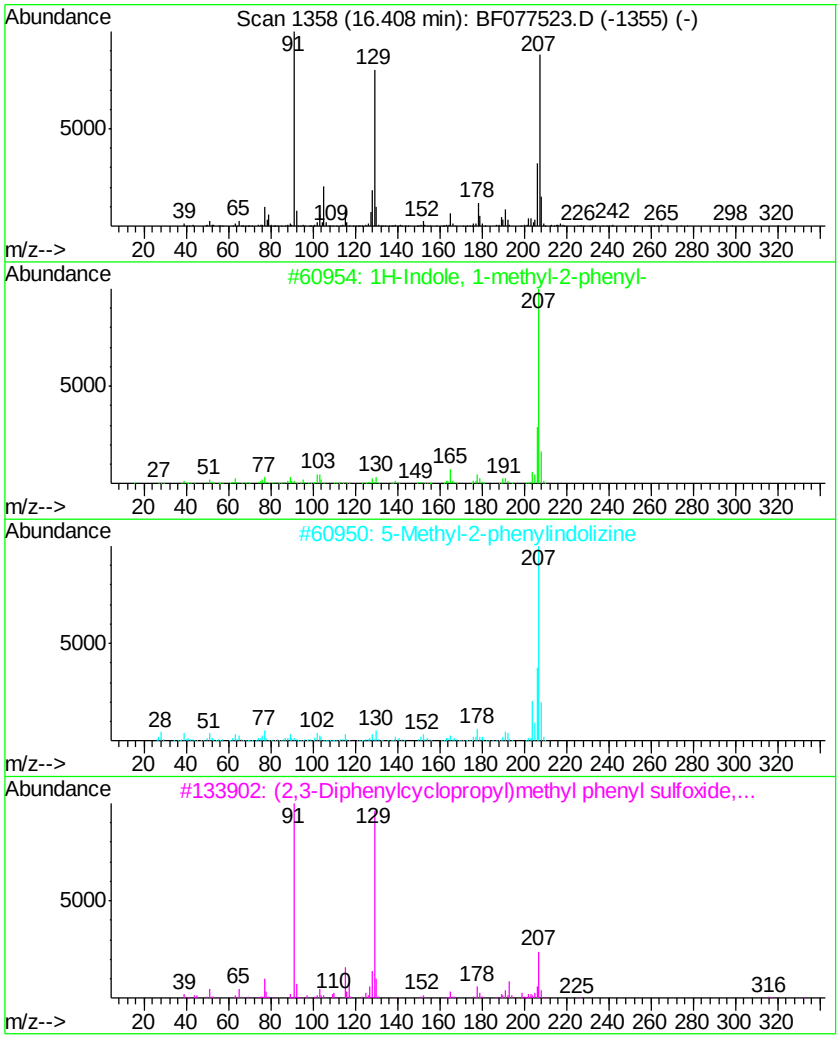
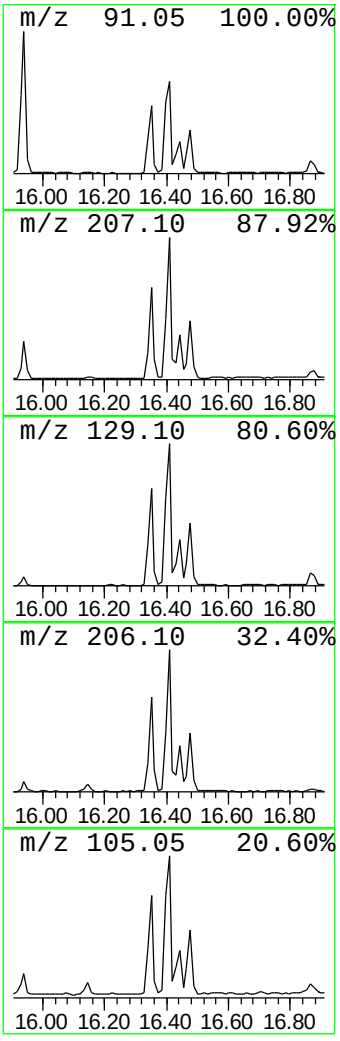
Peak Number 15 unknown16.41 Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.41	14.75 ng	1017550	Chrysene-d12	16.15

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indole, 1-methyl-2-phenyl-	207	C15H13N	003558-24-5	46
2	5-Methyl-2-phenylindolizine	207	C15H13N	036944-99-7	38
3	(2,3-Diphenylcyclopropyl)methyl ...	332	C22H20OS	131758-71-9	32
4	3-Methyl-2-phenylindole	207	C15H13N	010257-92-8	30
5	Indolizine, 2-(4-methylphenyl)-	207	C15H13N	007496-81-3	27





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF030215\
Data File : BF077523.D
Acq On : 2 Mar 2015 15:36
Operator : TP/IZ
Sample : G1399-04 5X
Misc : S
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB12

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF021915.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
Propane, 2,2-dime...	1.41	60.3	ng	1829680	1	7.26	606430	20.0
Butane, 2-methoxy...	1.72	3.4	ng	103790	1	7.26	606430	20.0
2-Pentanone, 4-hy...	5.04	3.3	ng	99749	1	7.26	606430	20.0
Benzene, (1-methy...	6.24	5.0	ng	151750	1	7.26	606430	20.0
unknown6.97	6.97	12.2	ng	370190	1	7.26	606430	20.0
unknown12.42	12.42	2.5	ng	137886	4	12.85	1103540	20.0
Benzene, 1,1'-(1,...	12.59	3.7	ng	201674	4	12.85	1103540	20.0
unknown15.94	15.94	11.0	ng	762006	5	16.15	1380070	20.0
unknown16.41	16.41	14.8	ng	1017550	5	16.15	1380070	20.0