LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF041715\
Data File : BF078636.D
Acq On : 18 Apr 2015 10:56
Operator : TP/IZ
Sample : G1854-12
Misc :
ALS Vial : 33 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : LS-SB07

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	1.438	20	22	28	rVB	23115	39680	3.52%	0.273%
2	1.530	28	30	45	rBV	471400	785629	69.59%	5.413%
3	4.204	261	264	268	rVB	10339	17549	1.55%	0.121%
4	4.273	268	270	277	rVB	49775	91007	8.06%	0.627%
5	4.901	323	325	342	rVB	568452	700469	62.05%	4.826%
6	6.284	444	446	453	rBV	746312	767409	67.98%	5.288%
7	6.387	453	455	458	rVV	814952	794692	70.40%	5.476%
8	6.673	477	480	483	rBV	232822	213188	18.89%	1.469%
9	6.856	494	496	499	rBV	526392	511814	45.34%	3.527%
10	7.382	539	542	544	rBV	566333	523126	46.34%	3.605%
11	8.250	616	618	621	rBV	326897	323414	28.65%	2.228%
12	8.982	679	682	684	rVB	12119	13424	1.19%	0.092%
13	9.599	734	736	739	rBV	697704	780300	69.12%	5.377%
14	10.113	779	781	784	rBV	73859	92666	8.21%	0.638%
15	10.228	789	791	794	rBV	36793	40328	3.57%	0.278%
16	10.411	804	807	809	rVB	287342	391914	34.72%	2.700%
17	11.073	863	865	868	rBV	10911	16141	1.43%	0.111%
18	11.313	881	886	888	rBV	55604	72527	6.42%	0.500%
19	11.382	889	892	894	rBV	597594	651721	57.73%	4.491%
20	11.622	910	913	919	rBV	8892	19743	1.75%	0.136%
21	11.931	938	940	943	rBV2	6783	12885	1.14%	0.089%
22	11.988	943	945	949	rVB2	8657	14065	1.25%	0.097%
23	12.216	963	965	967	rVV	308699	453866	40.21%	3.127%
24	12.308	971	973	975	rVV	54975	70774	6.27%	0.488%
25	12.365	975	978	981	rVB2	4497	12414	1.10%	0.086%
26	12.536	991	993	998	rBV	26457	44554	3.95%	0.307%
27	12.719	1004	1009	1012	rVB6	8534	20913	1.85%	0.144%
28	12.776	1012	1014	1015	rBV	12724	12497	1.11%	0.086%
29	12.845	1018	1020	1022	rVV	26380	33548	2.97%	0.231%
30	12.879	1022	1023	1026	rVV	42497	43350	3.84%	0.299%
31	12.936	1026	1028	1029	rVV	21666	22396	1.98%	0.154%
32	12.971	1029	1031	1033	rVV	44431	65820	5.83%	0.454%
33	13.005	1033	1034	1038	rVB2	26963	27523	2.44%	0.190%
34	13.142	1043	1046	1048	rVV3	6187	13915	1.23%	0.096%

LSC Area Percent Report

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Acq On : 18 Apr 2015 10:56
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Sample : G1854-12
Misc :
ALS Vial : 33 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : LS-SB07

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

35	13.199	1048	1051	1052	rVV2	7510	17031	1.51%	0.117%
36	13.245	1052	1055	1058	rVB2	27952	53311	4.72%	0.367%
37	13.531	1077	1080	1082	rBV2	21031	36645	3.25%	0.252%
38	13.622	1085	1088	1091	rVB3	18646	37922	3.36%	0.261%
39	13.702	1093	1095	1098	rVB	299744	381130	33.76%	2.626%
40	13.828	1101	1106	1108	rVB	28272	47037	4.17%	0.324%
41	13.897	1109	1112	1117	rBV3	25256	63822	5.65%	0.440%
42	13.977	1117	1119	1121	rVB	355619	376368	33.34%	2.593%
43	14.057	1121	1126	1127	rBV3	17304	31465	2.79%	0.217%
44	14.091	1127	1129	1132	rBV	116172	153204	13.57%	1.056%
45	14.148	1132	1134	1135	rVV2	22204	23930	2.12%	0.165%
46	14.205	1137	1139	1142	rVV	709596	893252	79.13%	6.155%
47	14.274	1142	1145	1147	rVB	16073	22756	2.02%	0.157%
48	14.399	1151	1156	1158	rVB2	58242	107278	9.50%	0.739%
49	14.479	1161	1163	1165	rBV	37272	41607	3.69%	0.287%
50	14.525	1165	1167	1170	rBV2	42472	64050	5.67%	0.441%
51	14.628	1175	1176	1178	rVB	18183	18097	1.60%	0.125%
52	14.868	1196	1197	1199	rBV2	12830	19063	1.69%	0.131%
53	15.028	1207	1211	1215	rBV2	32848	65032	5.76%	0.448%
54	15.154	1219	1222	1224	rBV	48551	64805	5.74%	0.447%
55	15.211	1224	1227	1228	rVV2	32299	62704	5.55%	0.432%
56	15.245	1228	1230	1232	rVB2	21671	28060	2.49%	0.193%
57	15.280	1232	1233	1237	rVB	51058	74926	6.64%	0.516%
58	15.360	1237	1240	1241	rBV	25611	36114	3.20%	0.249%
59	15.405	1241	1244	1246	rBV	70008	131390	11.64%	0.905%
60	15.462	1246	1249	1254	rVB2	544864	1128865	100.00%	7.778%
61	15.531	1254	1255	1258	rBV3	9250	13083	1.16%	0.090%
62	15.588	1258	1260	1262	rVB2	32674	34374	3.05%	0.237%
63	15.645	1263	1265	1267	rVB	22907	24293	2.15%	0.167%
64	15.725	1269	1272	1274	rVB	45688	63614	5.64%	0.438%
65	15.771	1274	1276	1277	rBV	38419	49832	4.41%	0.343%
66	15.954	1290	1292	1294	rBV	43858	70108	6.21%	0.483%
67	16.000	1294	1296	1299	rVB3	20717	31750	2.81%	0.219%
68	16.068	1300	1302	1304	rBV2	22919	38458	3.41%	0.265%
69	16.217	1312	1315	1318	rVB4	32065	60090	5.32%	0.414%
70	16.537	1342	1343	1347	rBV2	18524	48739	4.32%	0.336%
71	16.731	1357	1360	1365	rBV	295611	646146	57.24%	4.452%

LSC Area Percent Report

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Acq On : 18 Apr 2015 10:56
Operator : TP/IZ
Sample : G1854-12
Misc :
ALS Vial : 33 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : LS-SB07

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

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Peak separation: 5

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

72	16.845	1367	1370	1372	rVB2	69678	104678	9.27%	0.721%
73	16.891	1372	1374	1376	rBV2	20379	33869	3.00%	0.233%
74	17.040	1384	1387	1390	rBV	148376	214554	19.01%	1.478%
75	17.097	1390	1392	1394	rVB	247458	270722	23.98%	1.865%
76	17.165	1395	1398	1399	rBV	432525	573412	50.80%	3.951%
77	18.228	1489	1491	1495	rVB	36296	54678	4.84%	0.377%
78	18.343	1498	1501	1505	rVB2	128630	257543	22.81%	1.775%
79	18.491	1511	1514	1515	rBV	38792	67557	5.98%	0.465%
80	18.674	1527	1530	1533	rVB	106153	180492	15.99%	1.244%

Sum of corrected areas: 14513117

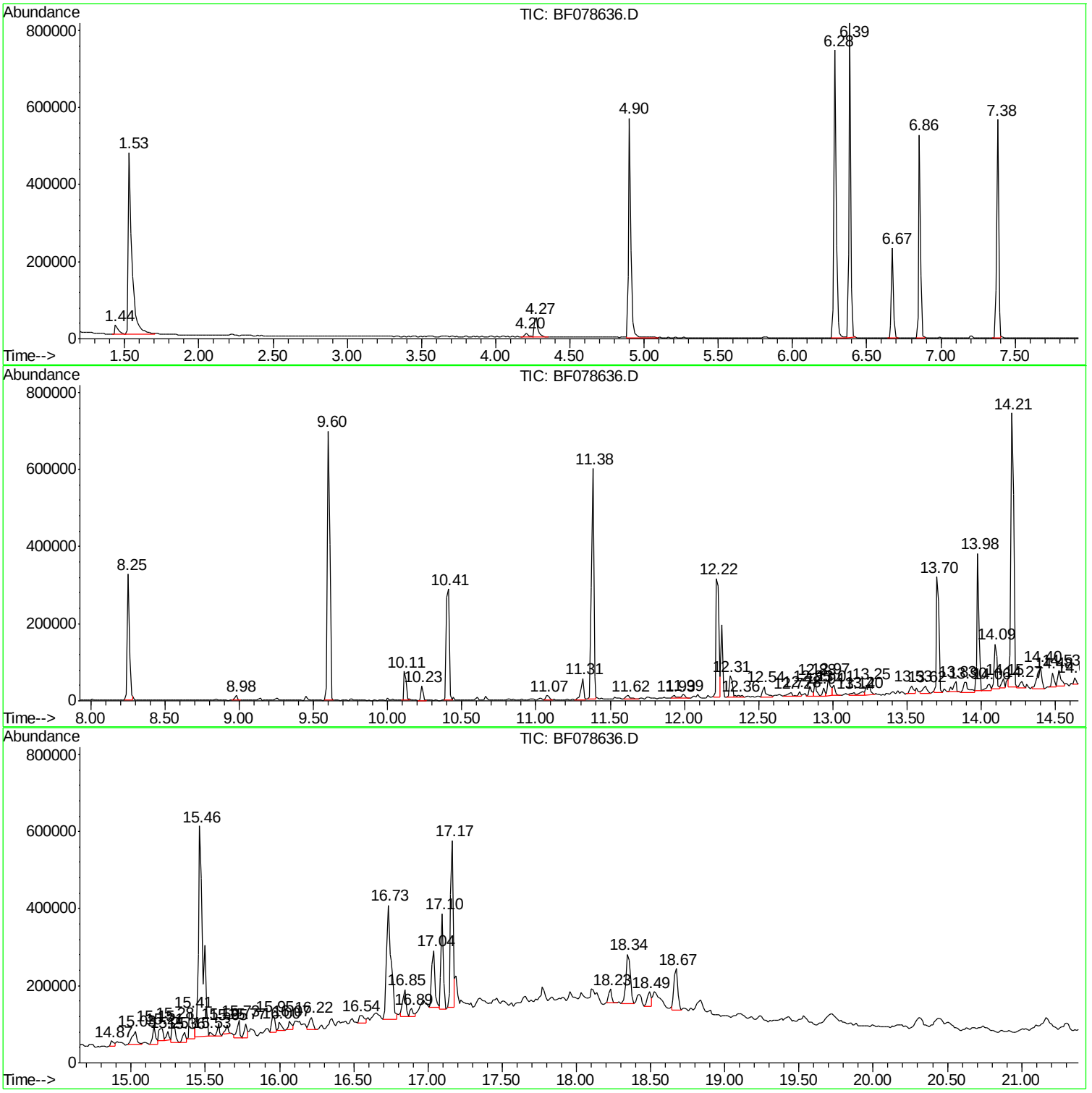
LSC Report - Integrated Chromatogram

Data Path : Z:\HPCHEM1\BNA F\DATA\BF041715\
Data File : BF078636.D
Acq On : 18 Apr 2015 10:56
Operator : TP/IZ
Sample : G1854-12
Misc :
ALS Vial : 33 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : LS-SB07

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\BF041715\
Data File : BF078636.D
Acq On : 18 Apr 2015 10:56
Operator : TP/IZ
Sample : G1854-12
Misc :
ALS Vial : 33 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : LS-SB07

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

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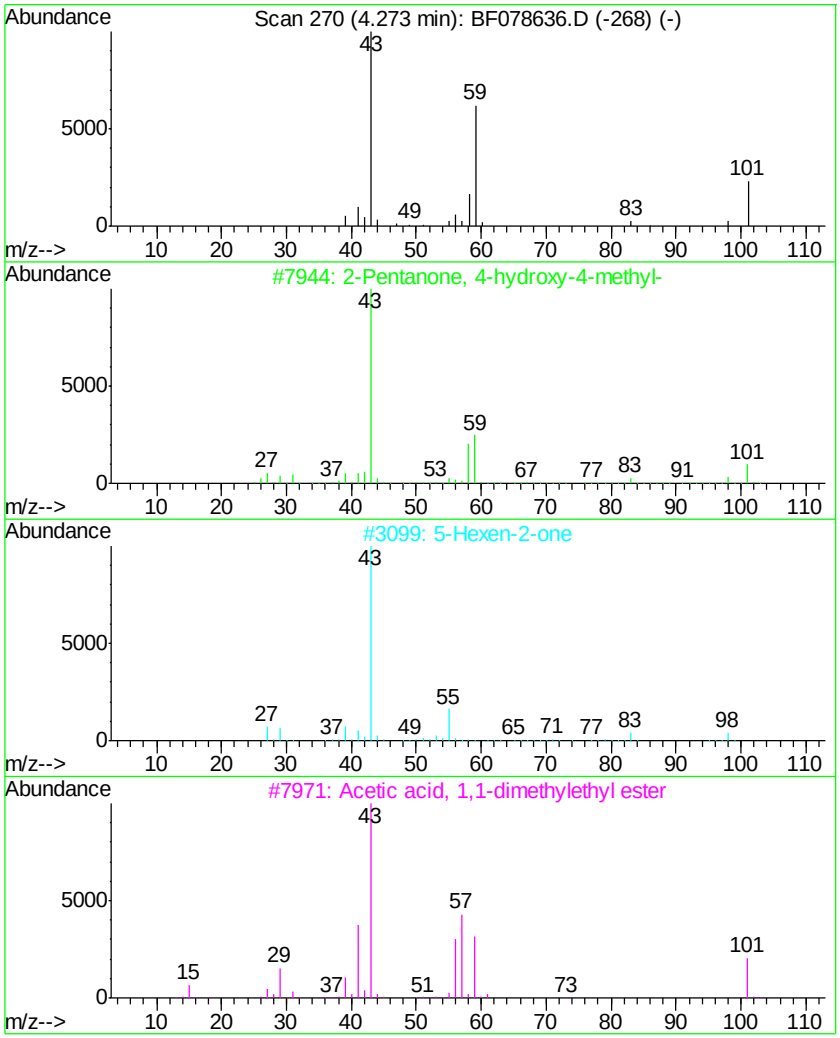
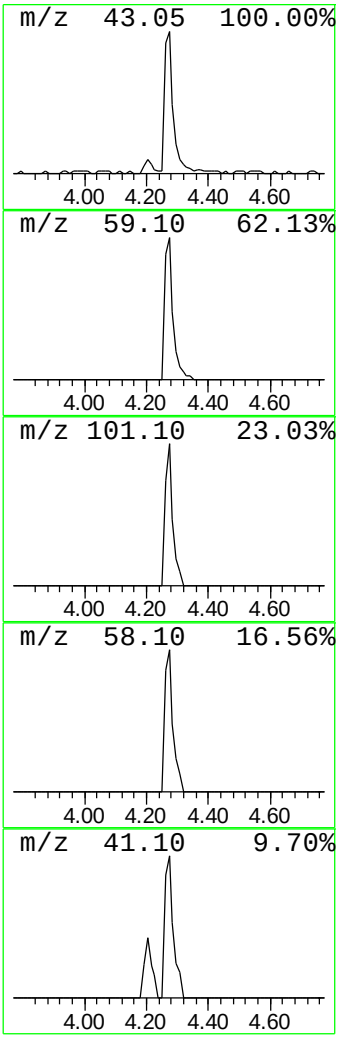
Peak Number 3 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.27	8.54 ng	91007	1,4-Dichlorobenzene-d4	6.67

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	56
2	5-Hexen-2-one	98	C6H10O	000109-49-9	9
3	Acetic acid, 1,1-dimethylethyl e...	116	C6H12O2	000540-88-5	9
4	4-Hydroxy-3-hexanone	116	C6H12O2	004984-85-4	9
5	2-Pentanol, 2,4-dimethyl-	116	C7H16O	000625-06-9	9





Data Path : Z:\HPCHEM1\BNA F\DATA\BF041715\
Data File : BF078636.D
Acq On : 18 Apr 2015 10:56
Operator : TP/IZ
Sample : G1854-12
Misc :
ALS Vial : 33 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : LS-SB07

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

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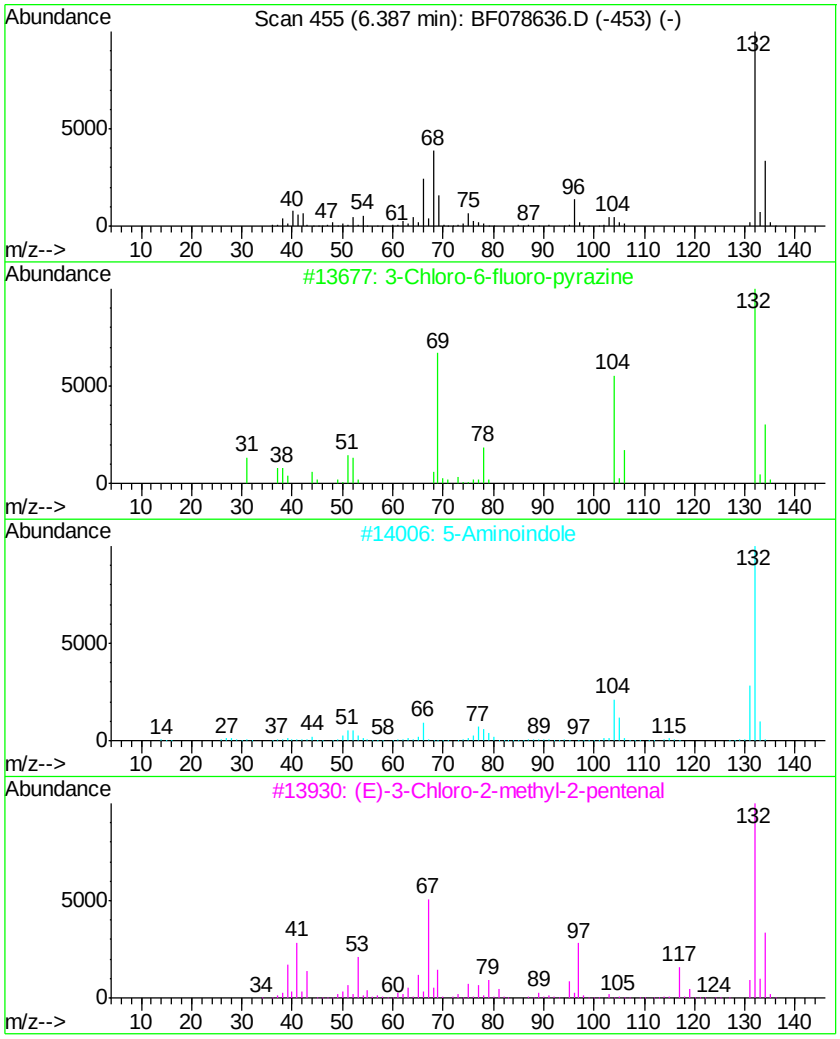
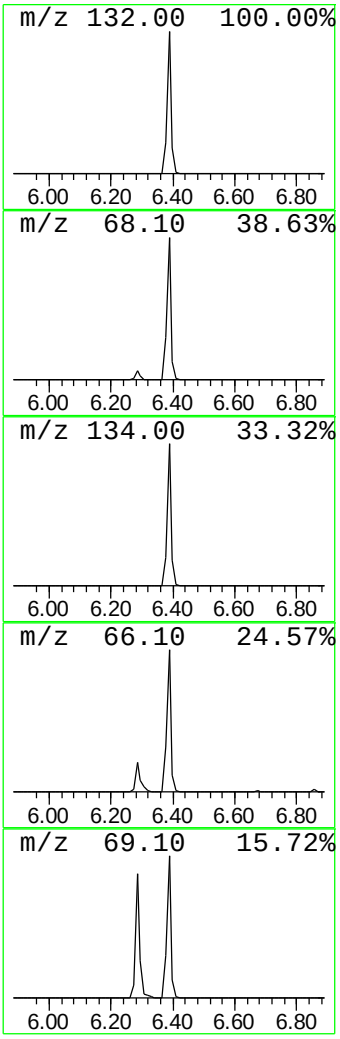
Peak Number 4 unknown6.39 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.39	74.55 ng	794692	1,4-Dichlorobenzene-d4	6.67

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	16
2	5-Aminoindole	132	C8H8N2	005192-03-0	12
3	(E)-3-Chloro-2-methyl-2-pentenal	132	C6H9ClO	031357-76-3	9
4	1-Methylpyrrolo[1,2-a]pyrazine	132	C8H8N2	064608-59-9	9
5	4-Methylpyrrolo[1,2-a]pyrazine	132	C8H8N2	064608-60-2	9





Data Path : Z:\HPCHEM1\BNA F\DATA\BF041715\
Data File : BF078636.D
Acq On : 18 Apr 2015 10:56
Operator : TP/IZ
Sample : G1854-12
Misc :
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Instrument : BNA_F
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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

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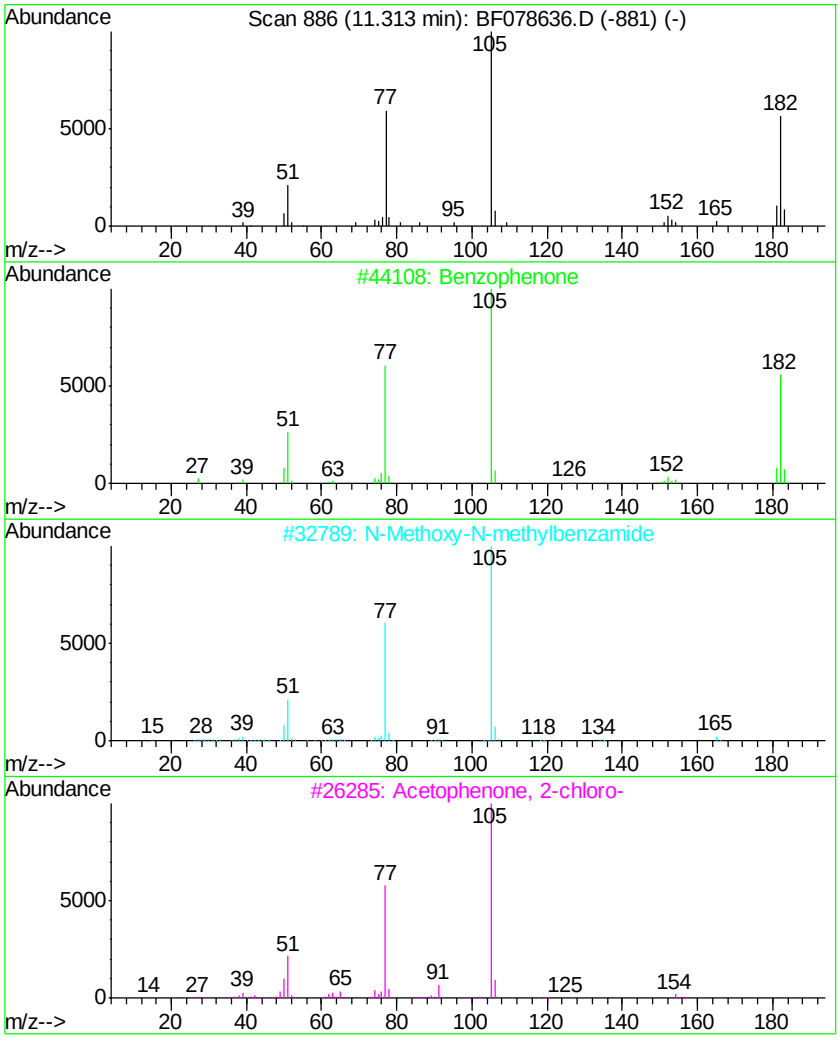
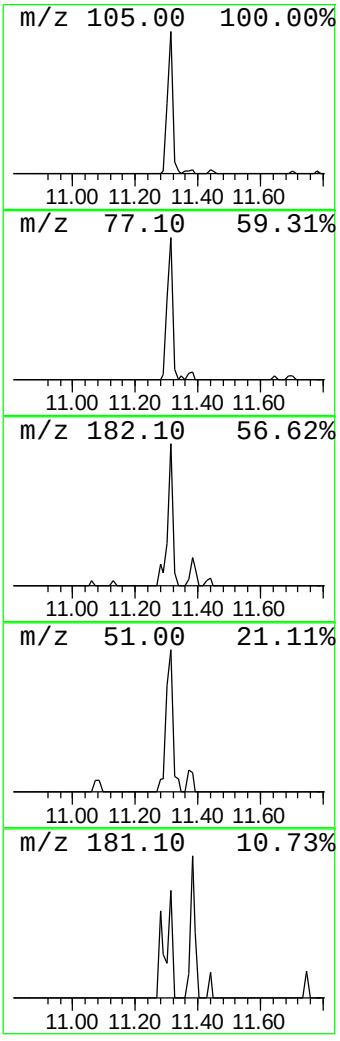
Peak Number 6 Benzophenone Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.31	3.70 ng	72527	Acenaphthene-d10	10.41

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzophenone	182	C13H10O	000119-61-9	97
2	N-Methoxy-N-methylbenzamide	165	C9H11NO2	006919-61-5	53
3	Acetophenone, 2-chloro-	154	C8H7ClO	000532-27-4	49
4	Benzenecarbothioic acid, S-methy...	152	C8H8OS	005925-68-8	47
5	N-(1-Cyanovinyl)benzamide	172	C10H8N2O	1000186-19-1	47





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Sample : G1854-12
Misc :
ALS Vial : 33 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : LS-SB07

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

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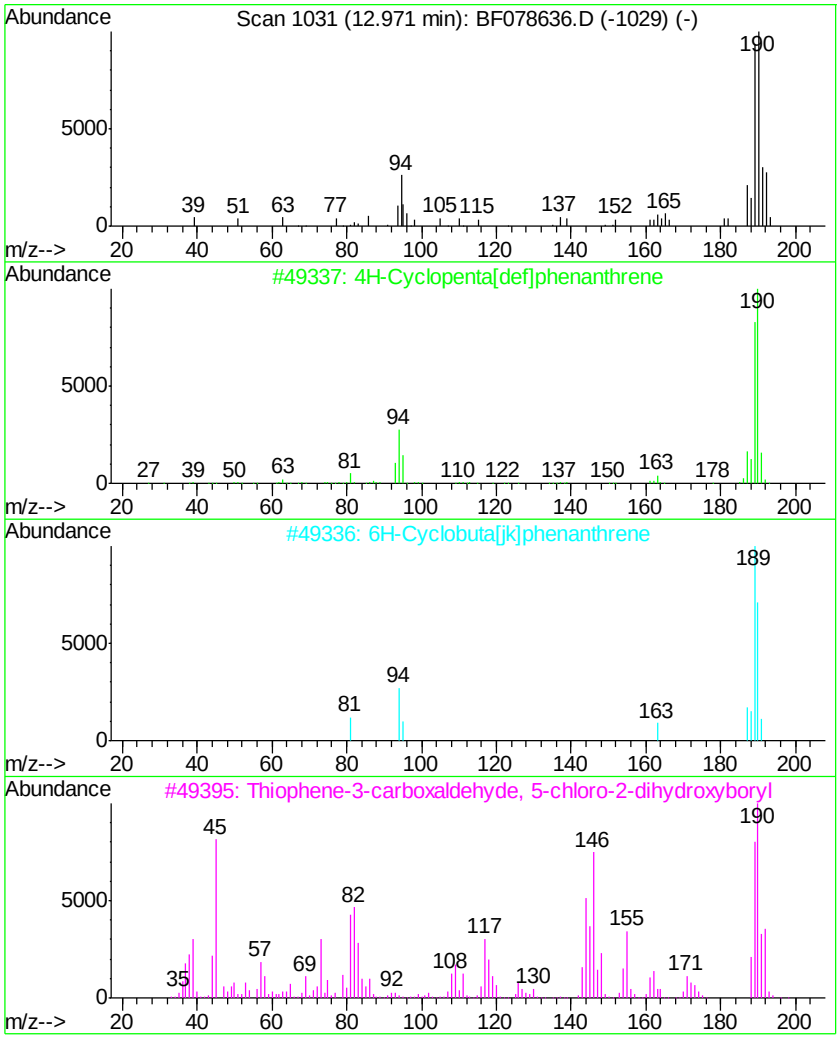
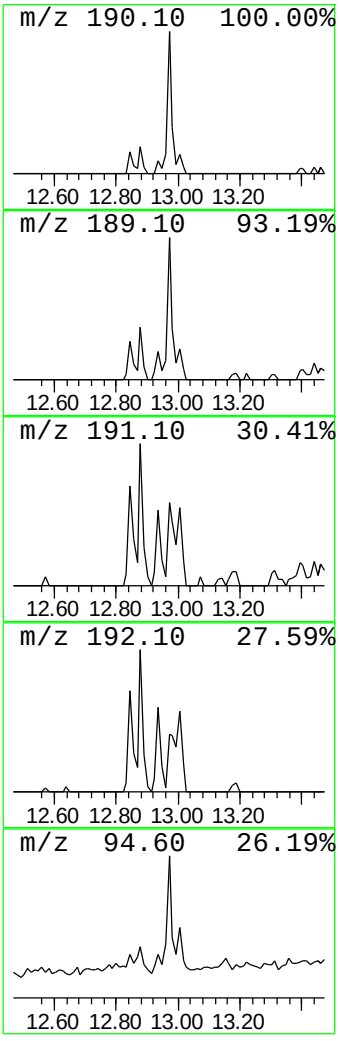
Peak Number 7 4H-Cyclopenta[def]phenanthrene Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.97	2.90 ng	65820	Phenanthrene-d10	12.23

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	74
2	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	72
3	Thiophene-3-carboxaldehyde, 5-ch...	190	C5H4BClO3S	036155-87-0	49
4	2,2'-Bis(4,5-dimethylimidazole)	190	C10H14N4	069286-06-2	36
5	Pyrimidine, 6-oxo-4-(3-fluorophe...	190	C10H7FN2O	085979-55-1	23





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Sample : G1854-12
Misc :
ALS Vial : 33 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : LS-SB07

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

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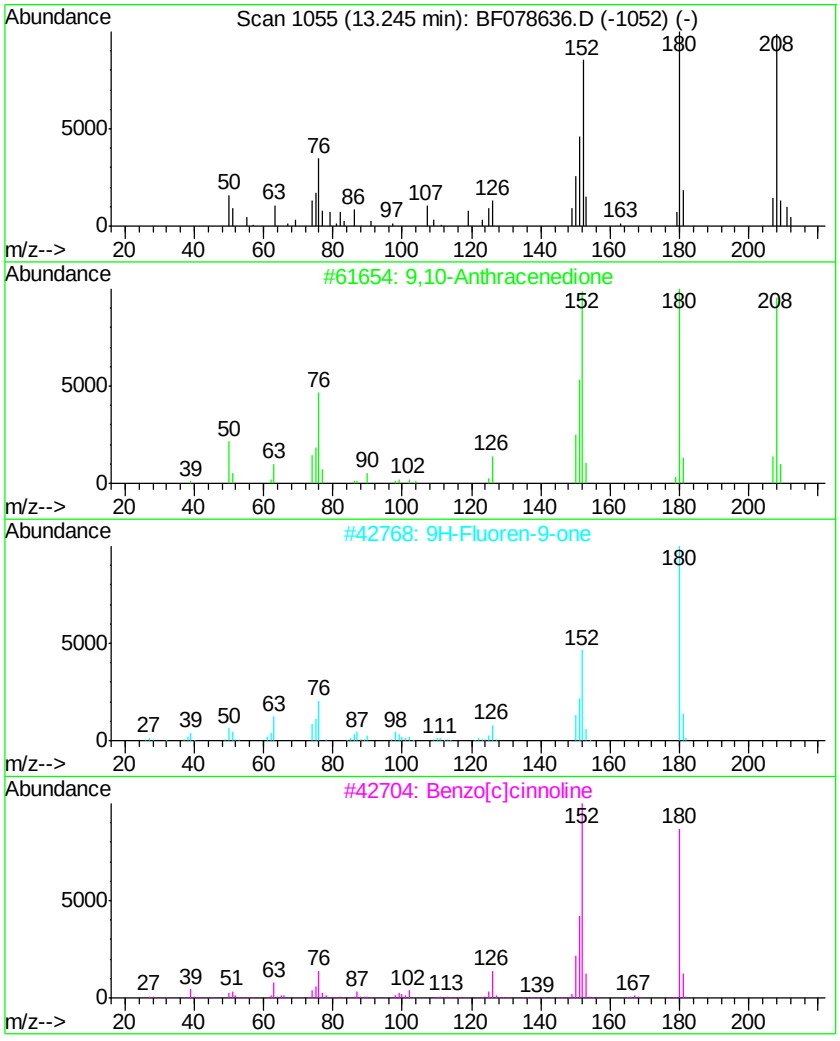
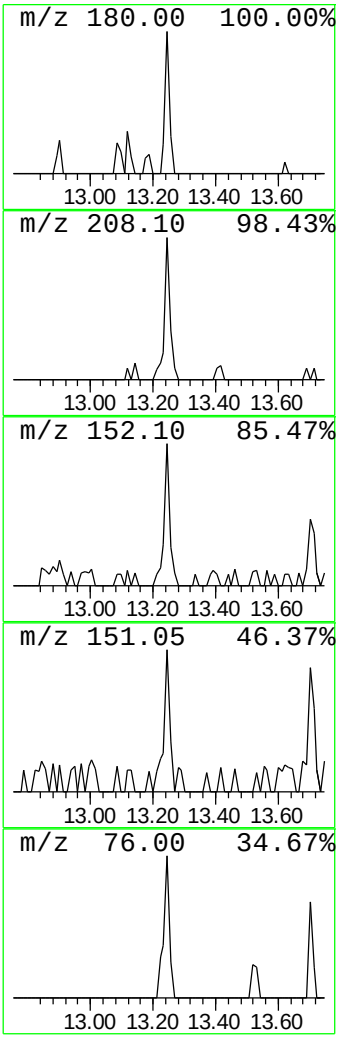
Peak Number 8 9,10-Anthracenedione Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.25	2.35 ng	53311	Phenanthrene-d10	12.23

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Anthracenedione	208	C14H8O2	000084-65-1	98
2	9H-Fluoren-9-one	180	C13H8O	000486-25-9	64
3	Benzo[c]cinnoline	180	C12H8N2	000230-17-1	52
4	9,10-Phenanthrenedione	208	C14H8O2	000084-11-7	50
5	Benzo[h]cinnoline	180	C12H8N2	000230-31-9	49





Data Path : Z:\HPCHEM1\BNA F\DATA\BF041715\
Data File : BF078636.D
Acq On : 18 Apr 2015 10:56
Operator : TP/IZ
Sample : G1854-12
Misc :
ALS Vial : 33 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : LS-SB07

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

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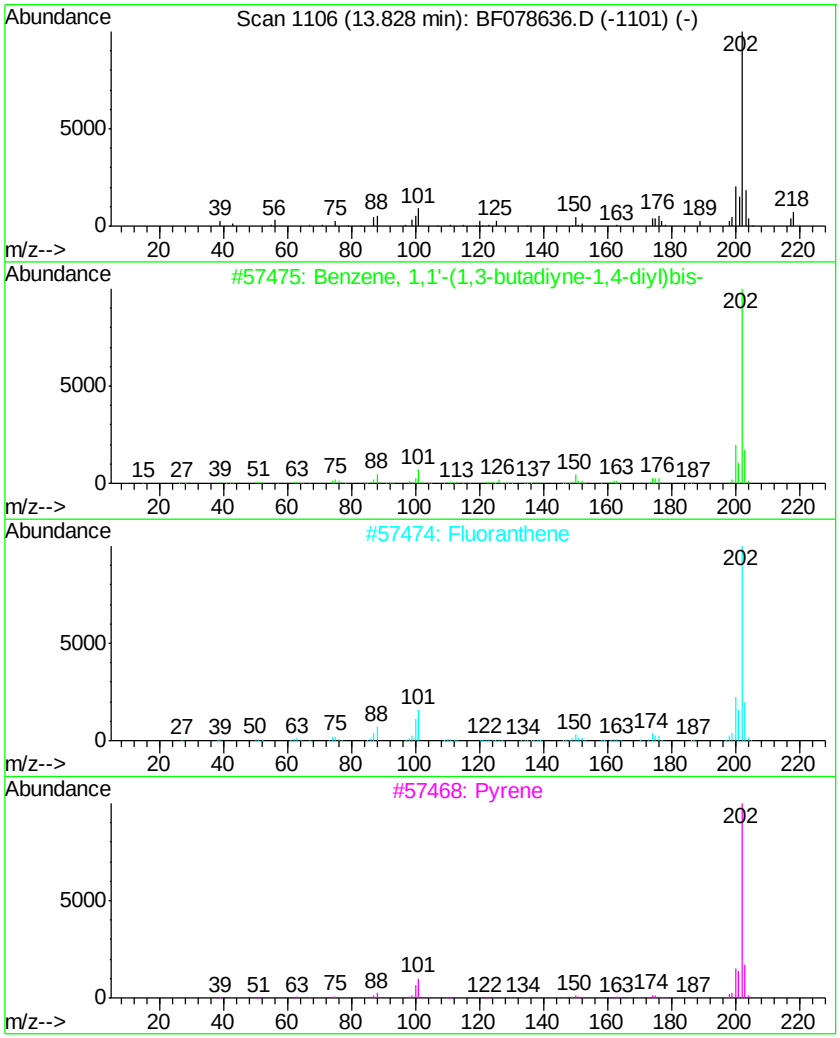
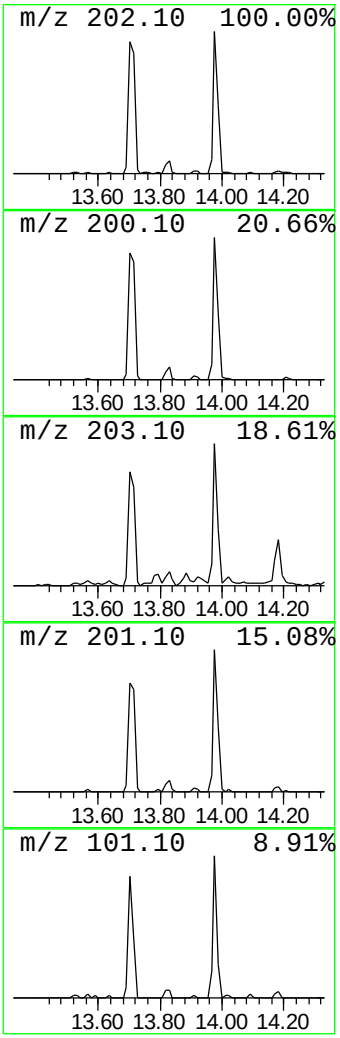
Peak Number 9 Benzene, 1,1'-(1,3-butadiyn... Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.83	2.07 ng	47037	Phenanthrene-d10	12.23

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,1'-(1,3-butadiyne-1,4...	202	C16H10	000886-66-8	76
2	Fluoranthene	202	C16H10	000206-44-0	76
3	Pyrene	202	C16H10	000129-00-0	64
4	Pyridazine-3,6(1H,2H)-dione, 1-(...	202	C11H10N2O2	034019-60-8	33
5	2-Butenamide, 3-methyl-N-1H-puri...	217	C10H11N5O	021589-34-4	9





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Data File : BF078636.D
Acq On : 18 Apr 2015 10:56
Operator : TP/IZ
Sample : G1854-12
Misc :
ALS Vial : 33 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : LS-SB07

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

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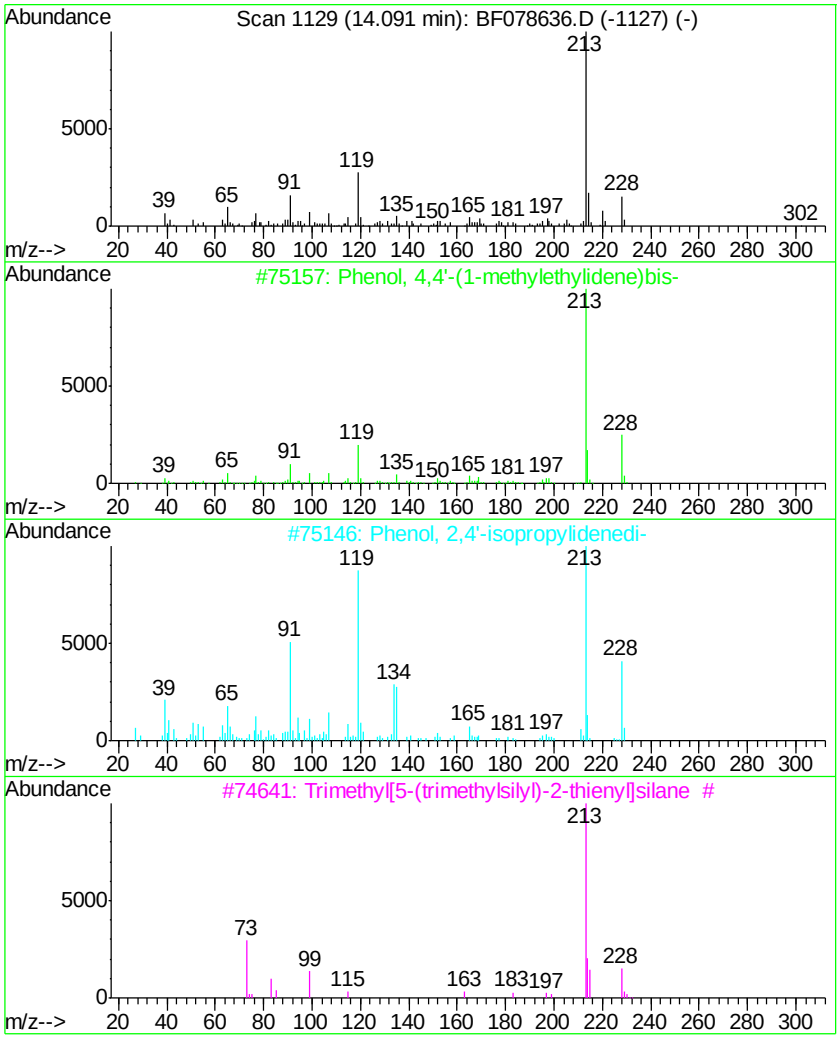
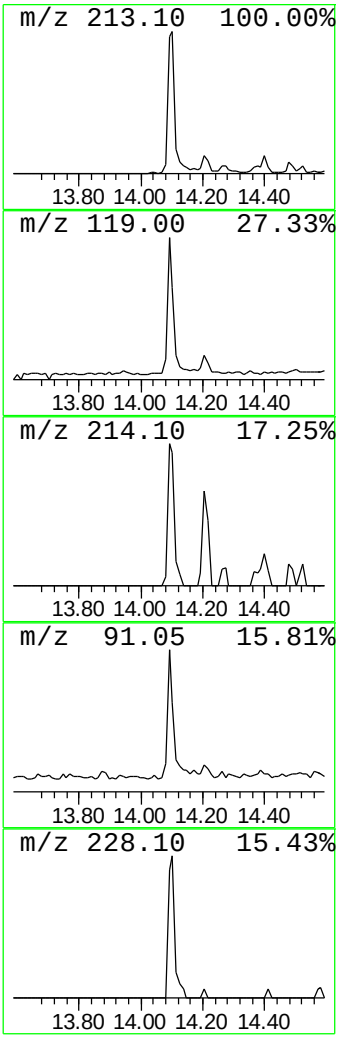
Peak Number 10 Phenol, 4,4'-(1-methylethyl... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.09	2.71 ng	153204	Chrysene-d12	15.47

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenol, 4,4'-(1-methylethylidene...	228	C15H16O2	000080-05-7	96
2	Phenol, 2,4'-isopropylidenedi-	228	C15H16O2	000837-08-1	64
3	Trimethyl[5-(trimethylsilyl)-2-t...	228	C10H20SSi2	017906-71-7	59
4	2H,8H-Benzo[1,2-b:5,4-b']dipyran...	228	C14H12O3	000553-19-5	58
5	2H,8H-Benzo[1,2-b:3,4-b']dipyran...	228	C14H12O3	000523-59-1	58





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Acq On : 18 Apr 2015 10:56
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Sample : G1854-12
Misc :
ALS Vial : 33 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : LS-SB07

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

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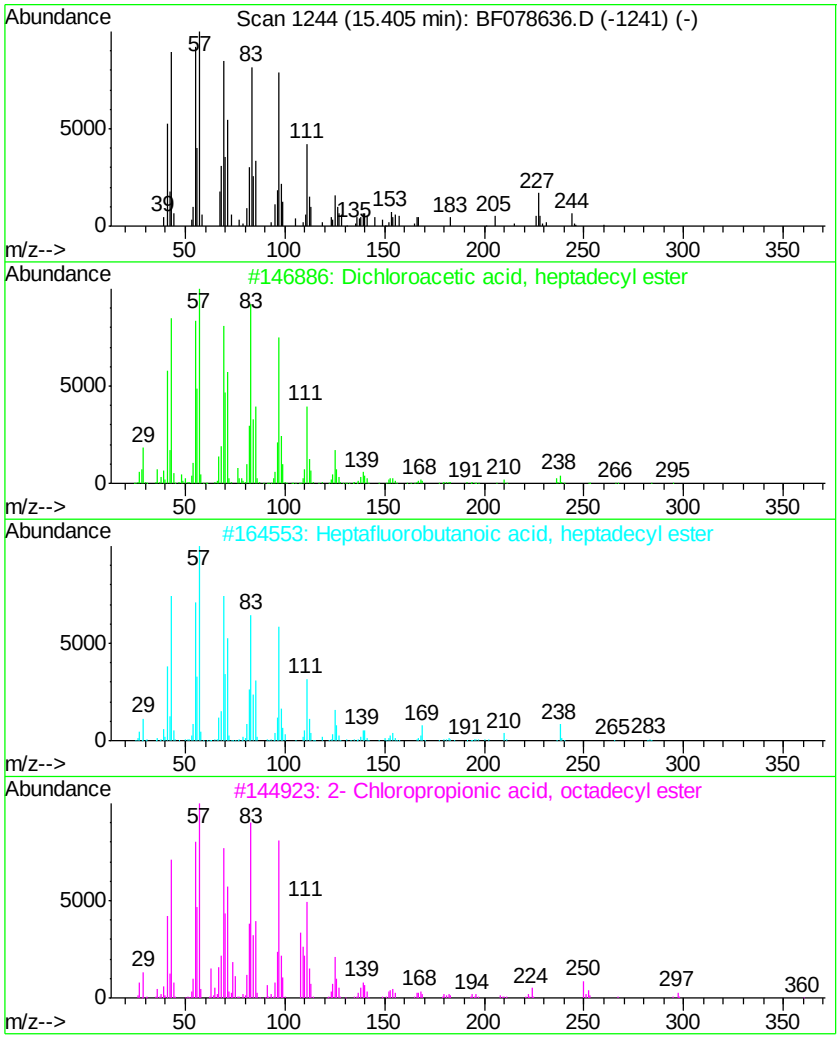
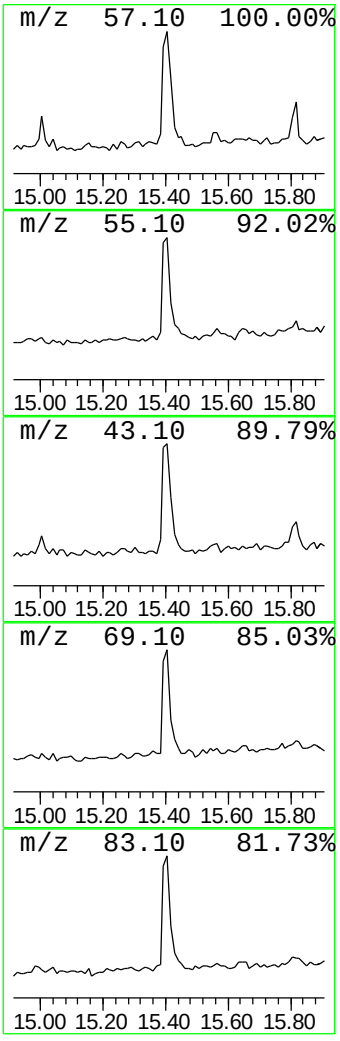
Peak Number 11 Dichloroacetic acid, heptad... Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.41	2.33 ng	131390	Chrysene-d12	15.47

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dichloroacetic acid, heptadecyl ...	366	C19H36Cl2O2	1000282-98-2	95
2	Heptafluorobutanoic acid, heptad...	452	C21H35F7O2	1000282-97-3	95
3	2- Chloropropionic acid, octadec...	360	C21H41ClO2	088104-31-8	94
4	Heptafluorobutyric acid, n-octad...	466	C22H37F7O2	000400-57-7	91
5	11-Tricosene	322	C23H46	052078-56-5	91





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Data File : BF078636.D
Acq On : 18 Apr 2015 10:56
Operator : TP/IZ
Sample : G1854-12
Misc :
ALS Vial : 33 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : LS-SB07

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

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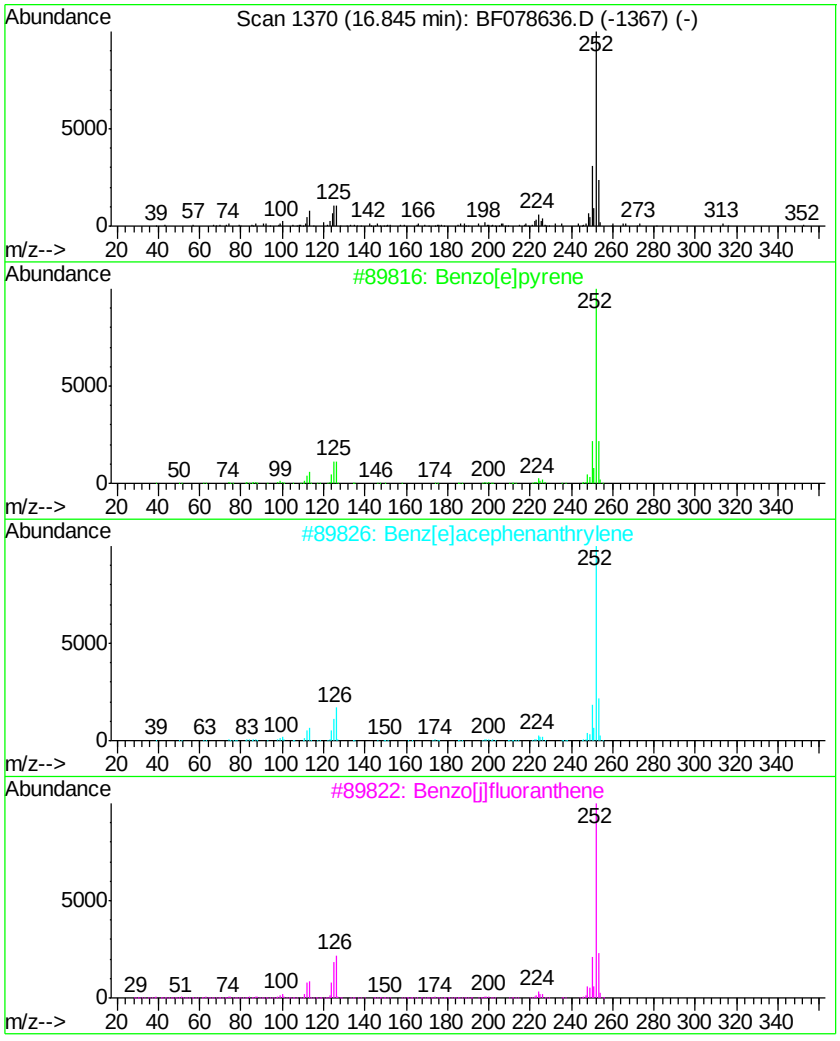
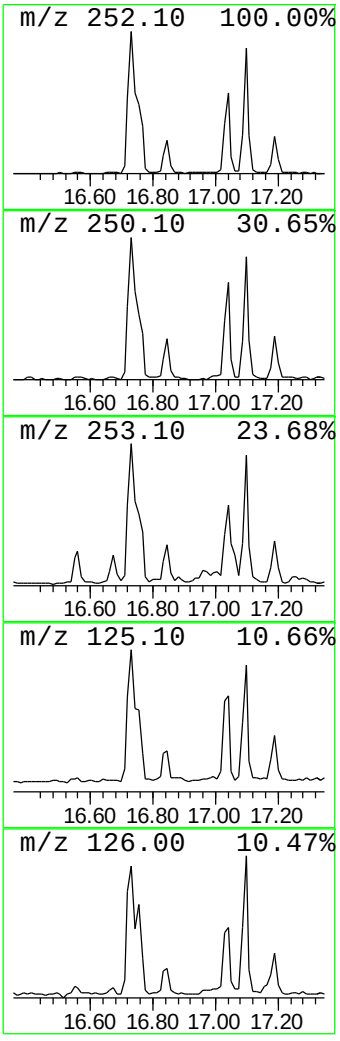
Peak Number 12 Benzo[e]pyrene Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.85	3.65 ng	104678	Perylene-d12	17.17

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	97
2	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	93
3	Benzo[j]fluoranthene	252	C20H12	000205-82-3	90
4	Benzo[a]pyrene	252	C20H12	000050-32-8	90
5	Benzo[k]fluoranthene	252	C20H12	000207-08-9	89





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF041715\
Data File : BF078636.D
Acq On : 18 Apr 2015 10:56
Operator : TP/IZ
Sample : G1854-12
Misc :
ALS Vial : 33 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : LS-SB07

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
2-Pentanone, 4-hy...	4.27	8.5	ng	91007	1	6.67	213188	20.0
unknown6.39	6.39	74.5	ng	794692	1	6.67	213188	20.0
Benzophenone	11.31	3.7	ng	72527	3	10.41	391914	20.0
4H-Cyclopenta[def...	12.97	2.9	ng	65820	4	12.23	453866	20.0
9,10-Anthracenedione	13.25	2.4	ng	53311	4	12.23	453866	20.0
Benzene, 1,1'-(1,...	13.83	2.1	ng	47037	4	12.23	453866	20.0
Phenol, 4,4'-(1-m...	14.09	2.7	ng	153204	5	15.47	1128870	20.0
Dichloroacetic ac...	15.41	2.3	ng	131390	5	15.47	1128870	20.0
Benzo[e]pyrene	16.85	3.6	ng	104678	6	17.17	573412	20.0