LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF041615\
Data File : BF078584.D
Acq On : 17 Apr 2015 00:06
Operator : TP/IZ
Sample : G1854-10
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : LS-SB05A(1-1.5)

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-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	21	23	29	rBV	12996	22454	2.14%	0.155%
2	1.530	29	30	42	rVV	96289	203376	19.41%	1.403%
3	4.216	263	265	269	rBV	7528	14110	1.35%	0.097%
4	4.284	269	271	276	rVB	35991	63567	6.07%	0.438%
5	4.913	323	326	335	rBV	451023	563489	53.77%	3.886%
6	6.262	442	444	445	rBV	13125	14604	1.39%	0.101%
7	6.296	445	447	454	rVB	598215	604913	57.73%	4.172%
8	6.399	454	456	459	rBV	638703	632337	60.34%	4.361%
9	6.685	479	481	484	rBV	135265	152360	14.54%	1.051%
10	6.879	495	498	500	rBV	351595	472766	45.11%	3.261%
11	7.393	541	543	546	rBV	403593	364901	34.82%	2.517%
12	8.273	617	620	621	rBV	214120	223107	21.29%	1.539%
13	8.856	670	671	679	rVB2	7415	12286	1.17%	0.085%
14	9.473	722	725	727	rVB	9137	11226	1.07%	0.077%
15	9.622	735	738	740	rVB	933709	852535	81.36%	5.880%
16	10.136	781	783	784	rBV	49841	46088	4.40%	0.318%
17	10.251	791	793	795	rBV	18924	19624	1.87%	0.135%
18	10.422	806	808	810	rBV	298842	281237	26.84%	1.940%
19	11.325	885	887	891	rVB	27135	28206	2.69%	0.195%
20	11.394	891	893	896	rBV2	432531	503274	48.03%	3.471%
21	11.577	906	909	911	rVB	13045	20183	1.93%	0.139%
22	11.634	911	914	916	rBV2	6249	12357	1.18%	0.085%
23	11.725	921	922	925	rVV3	11394	16981	1.62%	0.117%
24	11.782	925	927	932	rVB	18079	28977	2.77%	0.200%
25	11.874	932	935	937	rBV	16486	27591	2.63%	0.190%
26	12.022	946	948	951	rVB	9789	19324	1.84%	0.133%
27	12.205	955	964	965	rVV4	28791	112752	10.76%	0.778%
28	12.239	965	967	969	rVV	301614	345305	32.95%	2.382%
29	12.331	973	975	977	rVV	37116	41659	3.98%	0.287%
30	12.399	977	981	983	rVB3	4504	11519	1.10%	0.079%
31	12.560	993	995	998	rBV	24261	32043	3.06%	0.221%
32	12.628	998	1001	1002	rVV2	8046	11463	1.09%	0.079%
33	12.708	1006	1008	1011	rBV3	5547	10841	1.03%	0.075%
34	12.902	1023	1025	1027	rBV	18272	19460	1.86%	0.134%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF041615\
Data File : BF078584.D
Acq On : 17 Apr 2015 00:06
Operator : TP/IZ
Sample : G1854-10
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : LS-SB05A(1-1.5)

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

35	12.971	1029	1031	1045	rVB2	526866	676981	64.60%	4.669%
36	13.245	1054	1055	1058	rVB2	9782	11098	1.06%	0.077%
37	13.302	1058	1060	1062	rVB2	12282	12586	1.20%	0.087%
38	13.417	1065	1070	1072	rBV	285550	393971	37.60%	2.717%
39	13.462	1072	1074	1080	rVV	781755	905187	86.38%	6.243%
40	13.554	1080	1082	1084	rVV	30528	66585	6.35%	0.459%
41	13.634	1087	1089	1093	rVV3	22820	61790	5.90%	0.426%
42	13.725	1095	1097	1100	rVV	208699	270359	25.80%	1.865%
43	13.771	1100	1101	1103	rVB	18997	21629	2.06%	0.149%
44	13.817	1103	1105	1106	rBV	10428	12670	1.21%	0.087%
45	13.851	1106	1108	1111	rVB	15125	18226	1.74%	0.126%
46	13.908	1111	1113	1115	rBV	13571	18153	1.73%	0.125%
47	14.000	1119	1121	1124	rBV	292256	321374	30.67%	2.217%
48	14.080	1126	1128	1129	rVB2	9700	10605	1.01%	0.073%
49	14.114	1129	1131	1134	rBV	229083	264030	25.20%	1.821%
50	14.171	1134	1136	1137	rVV2	17119	18731	1.79%	0.129%
51	14.228	1139	1141	1144	rVV	739483	1047915	100.00%	7.227%
52	14.297	1144	1147	1149	rVB2	16950	19996	1.91%	0.138%
53	14.400	1152	1156	1157	rBV4	22452	51753	4.94%	0.357%
54	14.423	1157	1158	1160	rVB	37340	34200	3.26%	0.236%
55	14.503	1163	1165	1167	rBV	20645	27363	2.61%	0.189%
56	14.548	1167	1169	1175	rBV3	33304	59969	5.72%	0.414%
57	14.651	1177	1178	1180	rVB	21087	22578	2.15%	0.156%
58	14.697	1180	1182	1183	rBV	9609	13436	1.28%	0.093%
59	15.051	1209	1213	1215	rBV2	21486	38750	3.70%	0.267%
60	15.177	1221	1224	1226	rBV	38329	52808	5.04%	0.364%
61	15.234	1226	1229	1230	rVV2	34007	69547	6.64%	0.480%
62	15.268	1230	1232	1234	rVV2	22245	33028	3.15%	0.228%
63	15.314	1234	1236	1238	rVB	20368	29162	2.78%	0.201%
64	15.428	1244	1246	1248	rBV2	57689	99792	9.52%	0.688%
65	15.486	1248	1251	1256	rVB3	421069	887127	84.66%	6.119%
66	15.554	1256	1257	1260	rBV3	7843	10740	1.02%	0.074%
67	15.611	1260	1262	1264	rBV	39169	38514	3.68%	0.266%
68	15.668	1265	1267	1269	rVB	26630	26030	2.48%	0.180%
69	15.748	1271	1274	1276	rVB	29471	40464	3.86%	0.279%
70	15.794	1276	1278	1279	rBV	21408	34341	3.28%	0.237%
71	15.977	1292	1294	1296	rBV	45446	53953	5.15%	0.372%

LSC Area Percent Report

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Data File : BF078584.D
Acq On : 17 Apr 2015 00:06
Operator : TP/IZ
Sample : G1854-10
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : LS-SB05A(1-1.5)

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

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

72	16.023	1296	1298	1300	rVB2	20317	24260	2.32%	0.167%
73	16.126	1305	1307	1308	rVV2	17878	30645	2.92%	0.211%
74	16.183	1311	1312	1314	rVB2	13086	14018	1.34%	0.097%
75	16.228	1314	1316	1320	rVB2	23279	45554	4.35%	0.314%
76	16.297	1320	1322	1324	rBV3	10386	17660	1.69%	0.122%
77	16.366	1324	1328	1330	rBV5	21381	54536	5.20%	0.376%
78	16.548	1342	1344	1347	rBV2	19015	42520	4.06%	0.293%
79	16.731	1358	1360	1365	rBV	238517	560757	53.51%	3.868%
80	16.846	1368	1370	1372	rVB	74467	84629	8.08%	0.584%
81	16.971	1378	1381	1384	rBV5	27290	71015	6.78%	0.490%
82	17.040	1384	1387	1389	rVV	158856	215247	20.54%	1.485%
83	17.097	1389	1392	1395	rVB	258509	306443	29.24%	2.114%
84	17.154	1395	1397	1401	rBV2	313162	479511	45.76%	3.307%
85	17.451	1419	1423	1424	rBV2	19482	44742	4.27%	0.309%
86	17.749	1447	1449	1452	rVB2	29135	47364	4.52%	0.327%
87	18.206	1486	1489	1491	rBV2	37364	65570	6.26%	0.452%
88	18.331	1497	1500	1504	rVB2	129405	252454	24.09%	1.741%
89	18.469	1510	1512	1514	rBV	36203	65050	6.21%	0.449%
90	18.514	1514	1516	1525	rVV3	41226	135806	12.96%	0.937%
91	18.652	1525	1528	1532	rVB	121777	210525	20.09%	1.452%
92	18.823	1541	1543	1547	rVB	38653	72041	6.87%	0.497%
93	20.309	1670	1673	1681	rVB	29586	86334	8.24%	0.595%

Sum of corrected areas: 14499037

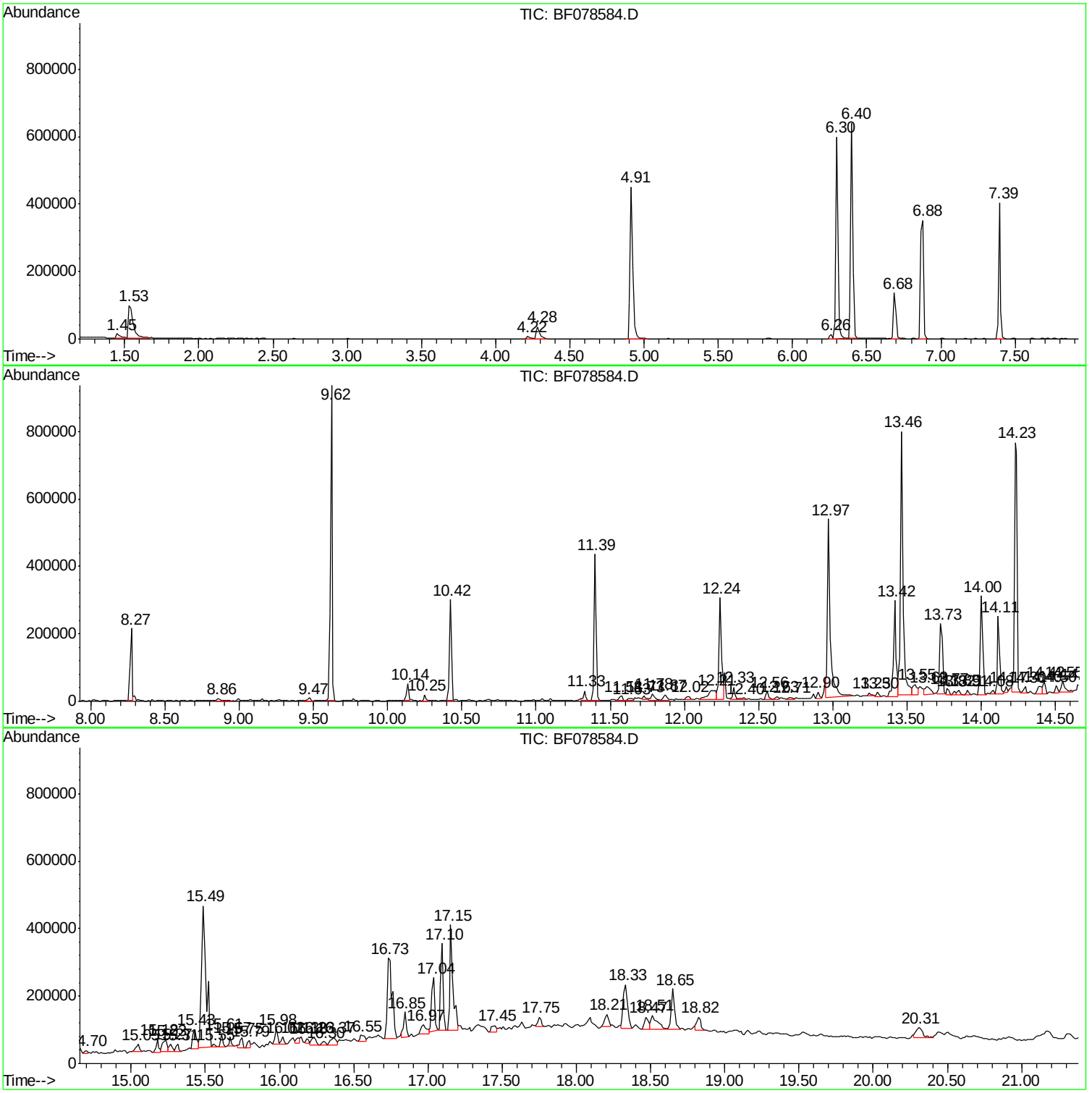
LSC Report - Integrated Chromatogram

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF041615\
Data File : BF078584.D
Acq On : 17 Apr 2015 00:06
Operator : TP/IZ
Sample : G1854-10
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : LS-SB05A(1-1.5)

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 : BF078584.D
Acq On : 17 Apr 2015 00:06
Operator : TP/IZ
Sample : G1854-10
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

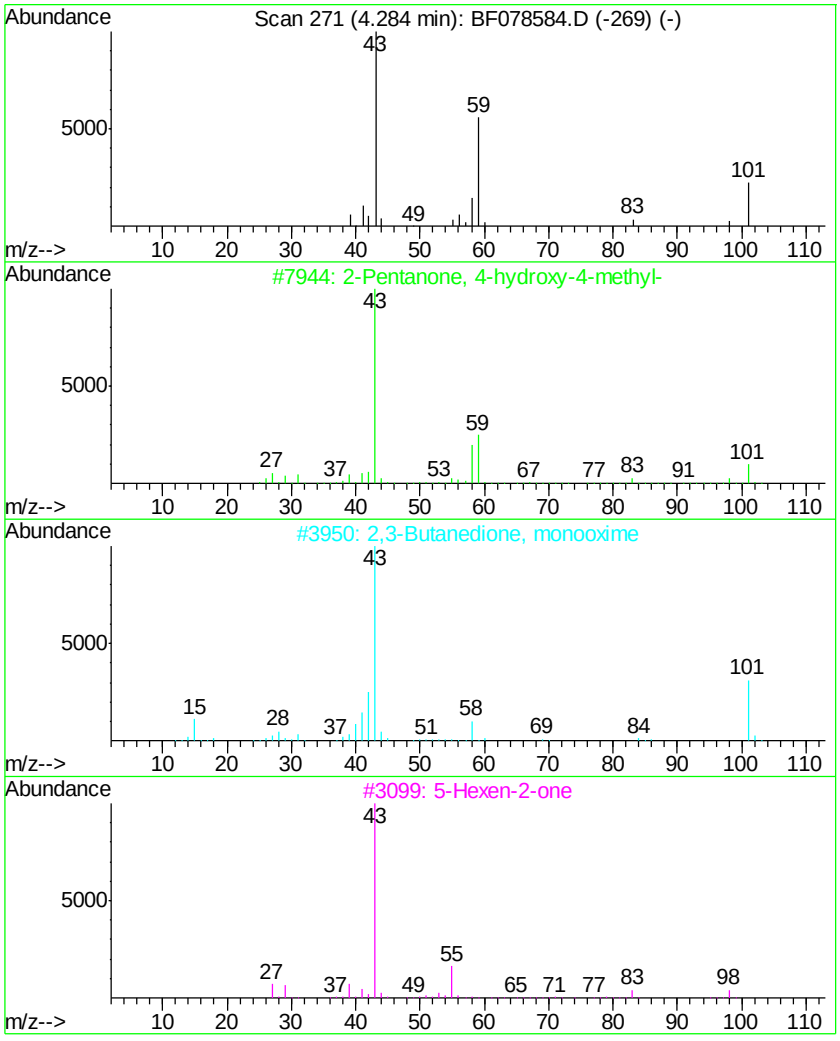
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

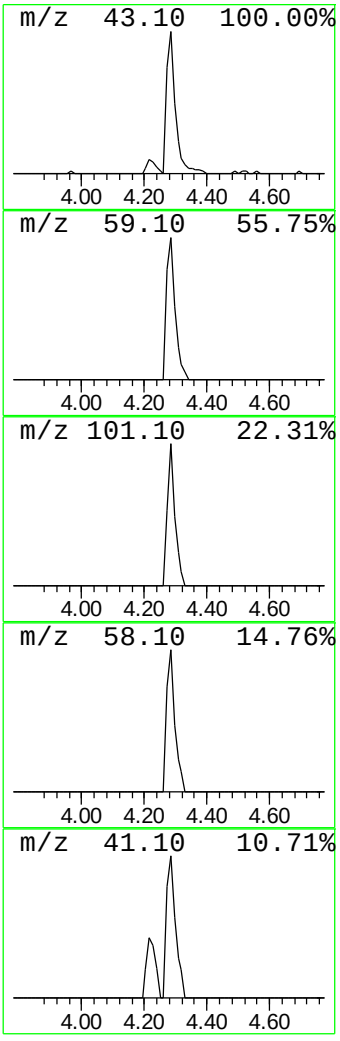
****

Peak Number 3 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.28	8.34 ng	63567	1,4-Dichlorobenzene-d4	6.68

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	72
2	2,3-Butanedione, monooxime	101	C4H7NO2	000057-71-6	17
3	5-Hexen-2-one	98	C6H10O	000109-49-9	9
4	3-Octanol	130	C8H18O	000589-98-0	9
5	3-Pentanol, 2-methyl-	102	C6H14O	000565-67-3	9





Data Path : Z:\HPCHEM1\BNA_F\DATA\BF041615\
Data File : BF078584.D
Acq On : 17 Apr 2015 00:06
Operator : TP/IZ
Sample : G1854-10
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : LS-SB05A(1-1.5)

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

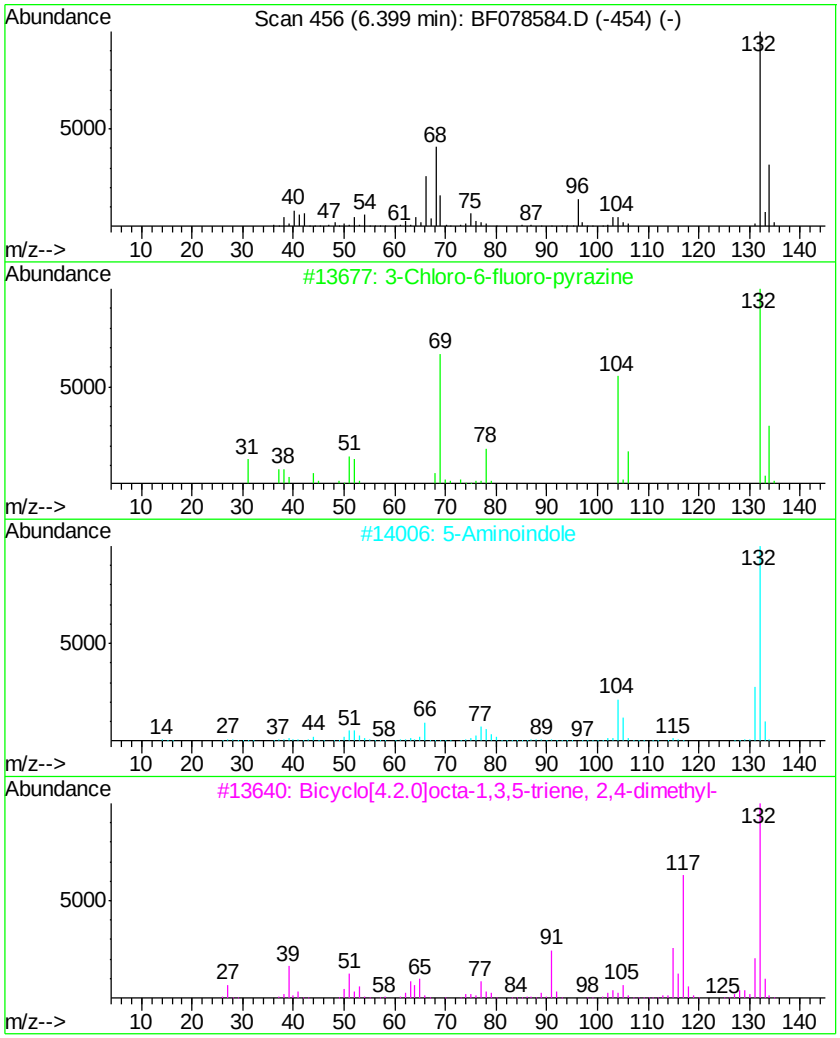
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

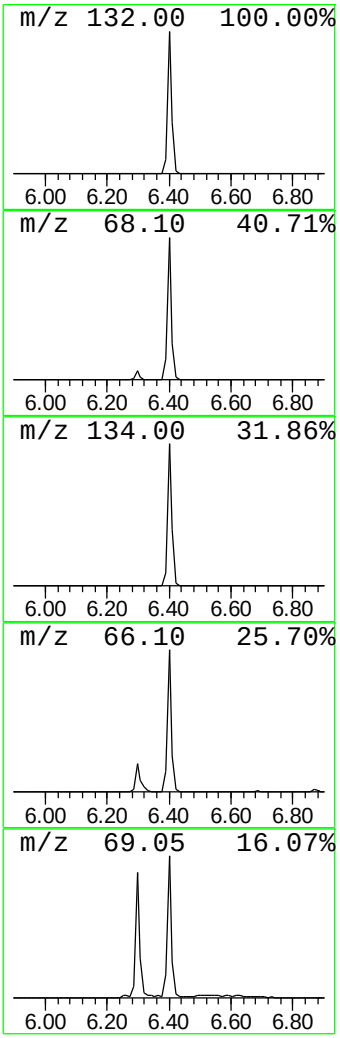
****

Peak Number 4 unknown6.40 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.40	83.01 ng	632337	1,4-Dichlorobenzene-d4	6.68

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	27
2	5-Aminoindole	132	C8H8N2	005192-03-0	12
3	Bicyclo[4.2.0]octa-1,3,5-triene,...	132	C10H12	028749-81-7	9
4	4-Chloro-2-fluoro-pyrimidine	132	C4H2ClFN2	051422-00-5	9
5	2H-Cyclopenta[d]pyridazine, 2-me...	132	C8H8N2	022291-85-6	9





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Sample : G1854-10
Misc :
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Instrument : BNA_F
ClientSampleId : LS-SB05A(1-1.5)

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

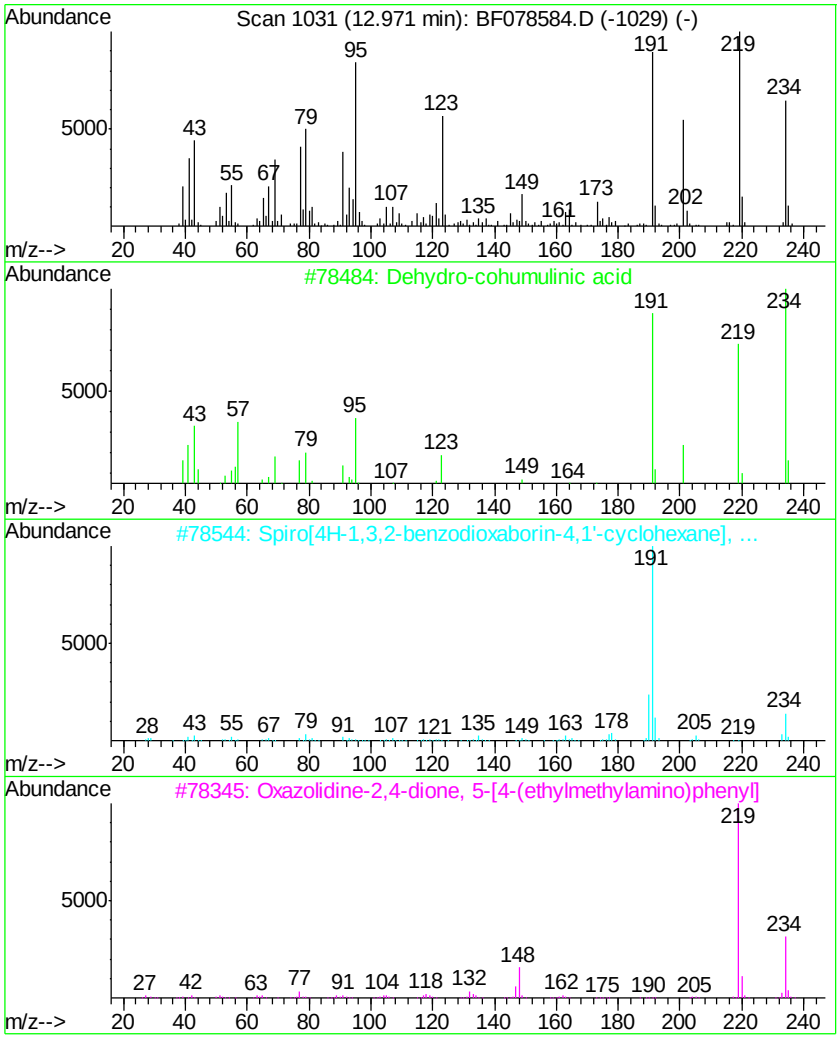
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

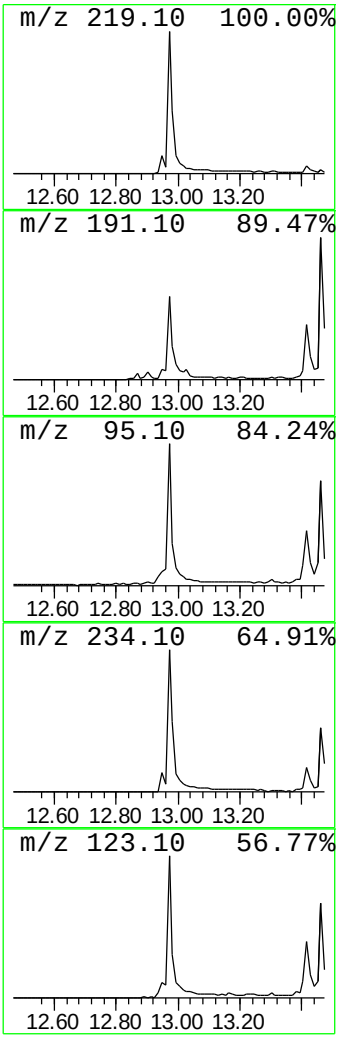
****

Peak Number 6 Dehydro-cohumulinic acid Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.97	39.21 ng	676981	Phenanthrene-d10	12.24

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dehydro-cohumulinic acid	234	C14H18O3	1000041-27-1	90
2	Spiro[4H-1,3,2-benzodioxaborin-4...	234	C14H23BO2	062238-27-1	38
3	Oxazolidine-2,4-dione, 5-[4-(eth...	234	C12H14N2O3	1000158-67-0	35
4	3-Isopropylamino-6-methyl-6,7-di...	234	C13H18N2O2	145220-69-5	30
5	Phenanthrene, 1-methyl-7-(1-meth...	234	C18H18	000483-65-8	30





Data Path : Z:\HPCHEM1\BNA_F\DATA\BF041615\
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Acq On : 17 Apr 2015 00:06
Operator : TP/IZ
Sample : G1854-10
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : LS-SB05A(1-1.5)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF040115.M
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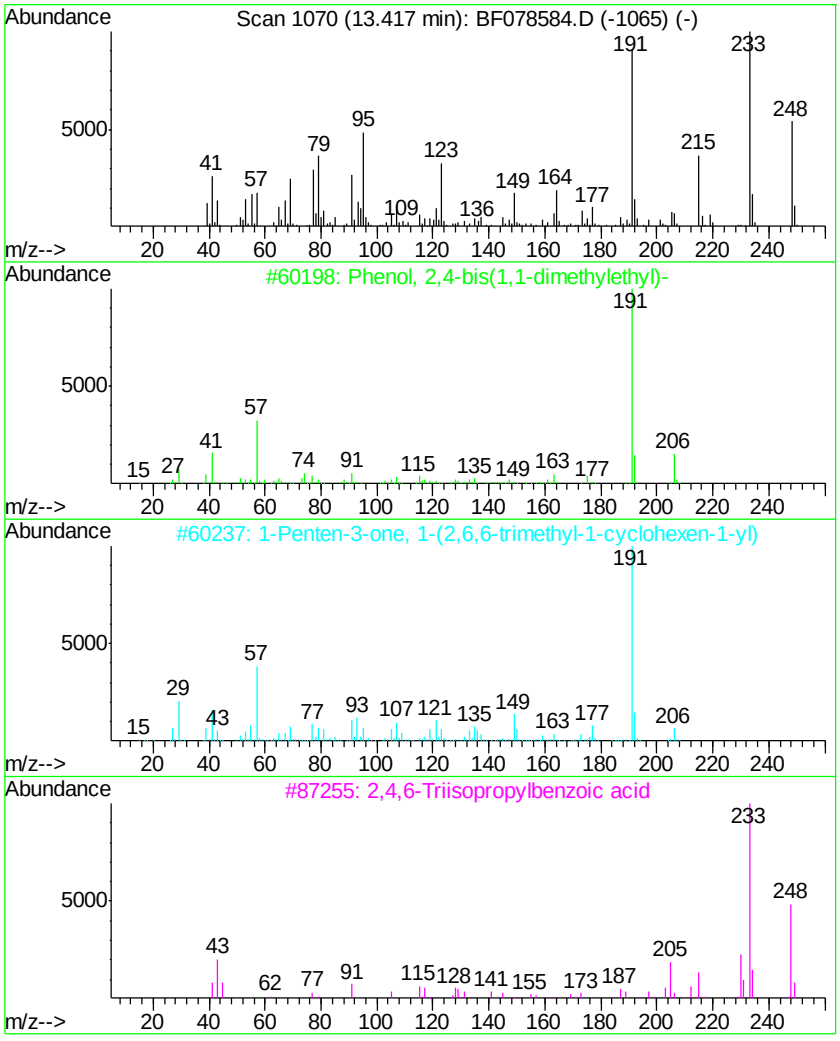
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

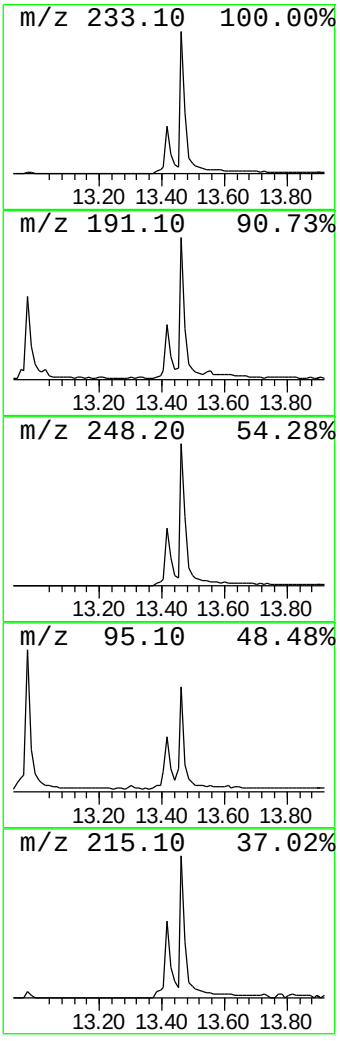
****

Peak Number 7 unknown13.42 Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.42	22.82 ng	393971	Phenanthrene-d10	12.24

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenol, 2,4-bis(1,1-dimethylethyl)-	206	C14H22O	000096-76-4	46
2	1-Penten-3-one, 1-(2,6,6-trimeth...	206	C14H22O	000127-43-5	35
3	2,4,6-Triisopropylbenzoic acid	248	C16H24O2	049623-71-4	35
4	2(1H)-Pyrimidinethione, 3,4-dihy...	248	C13H16N2OS	063704-47-2	30
5	1H-Phenanthro[9,10-d]imidazol-2-...	233	C15H11N3	037052-13-4	25





Data Path : Z:\HPCHEM1\BNA_F\DATA\BF041615\
Data File : BF078584.D
Acq On : 17 Apr 2015 00:06
Operator : TP/IZ
Sample : G1854-10
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : LS-SB05A(1-1.5)

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

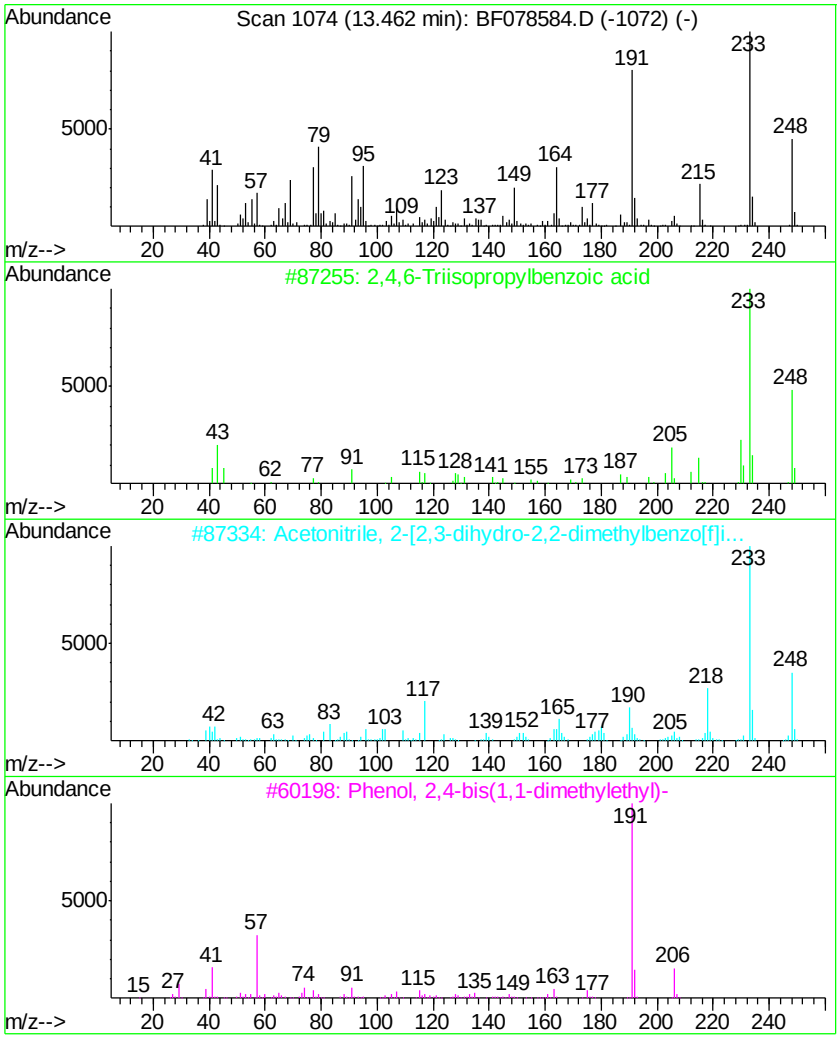
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

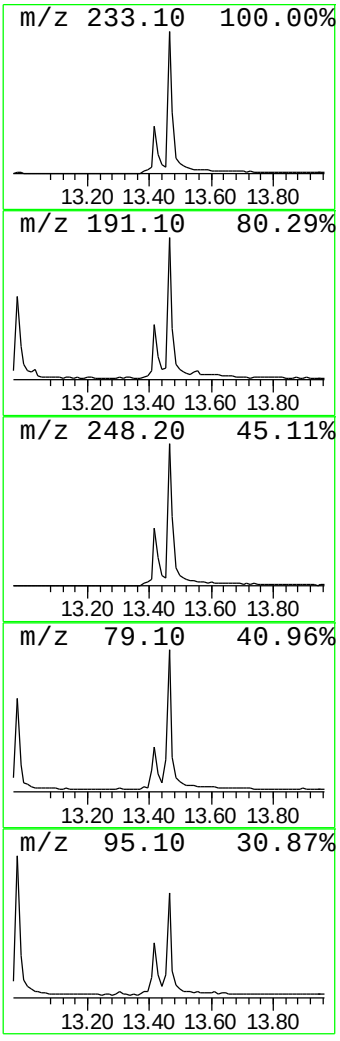
****

Peak Number 8 unknown13.46 Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.46	52.43 ng	905187	Phenanthrene-d10	12.24

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2,4,6-Triisopropylbenzoic acid	248	C16H24O2	049623-71-4	38
2	Acetonitrile, 2-[2,3-dihydro-2,2...	248	C17H16N2	144498-83-9	30
3	Phenol, 2,4-bis(1,1-dimethylethyl)-	206	C14H22O	000096-76-4	25
4	2,4,5,5,8a-Pentamethyl-6,7,8,8a-...	206	C14H22O	1000195-40-9	20
5	2-Allyl-1,4-dimethoxy-3-vinyloxy...	234	C14H18O3	1000188-16-6	18





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Data File : BF078584.D
Acq On : 17 Apr 2015 00:06
Operator : TP/IZ
Sample : G1854-10
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : LS-SB05A(1-1.5)

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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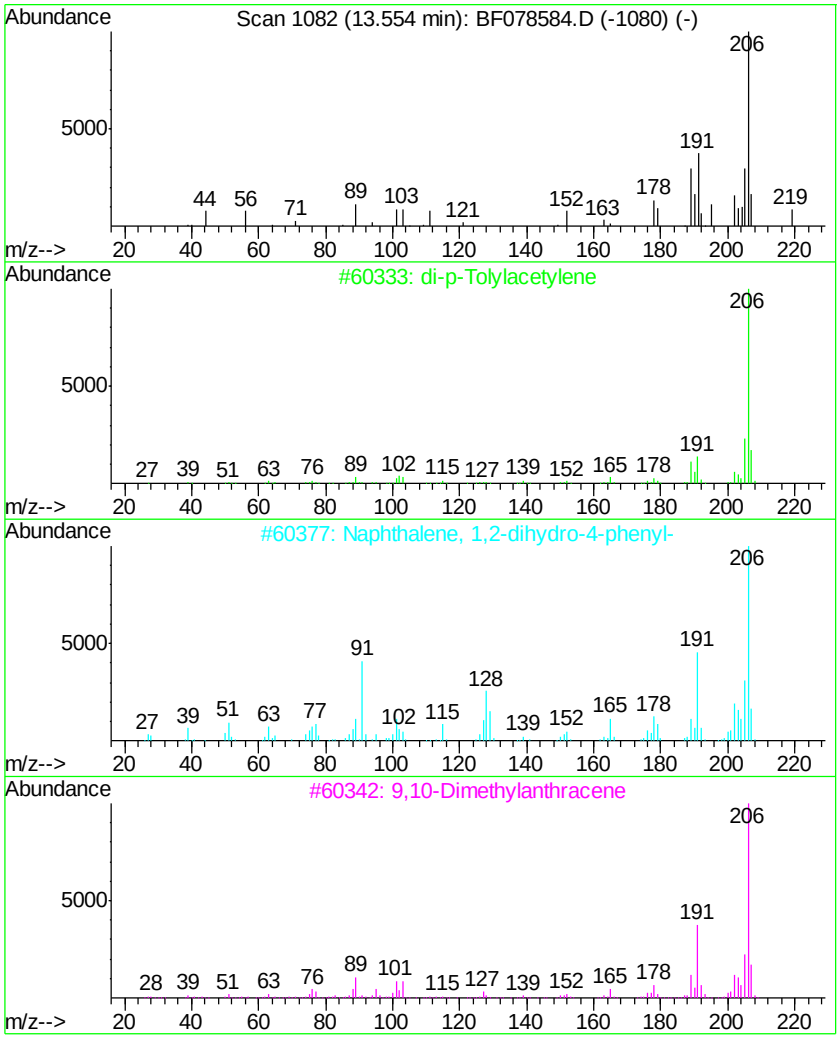
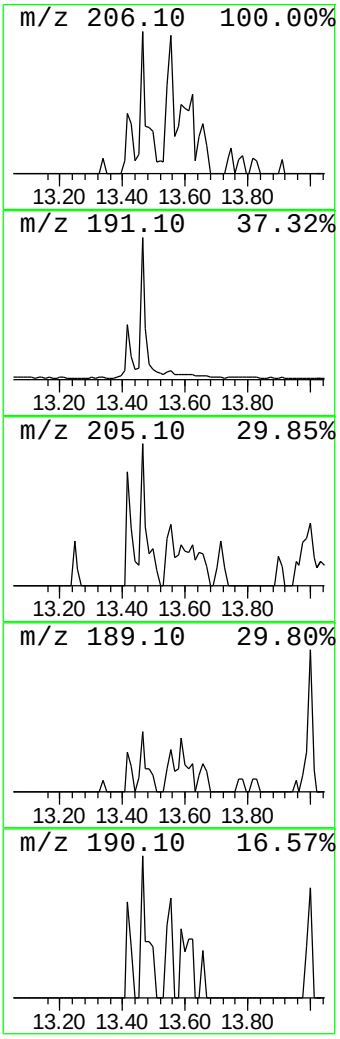
Peak Number 9 di-p-Tolylacetylene Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.55	3.86 ng	66585	Phenanthrene-d10	12.24

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	di-p-Tolylacetylene	206	C16H14	002789-88-0	93
2	Naphthalene, 1,2-dihydro-4-phenyl-	206	C16H14	007469-40-1	89
3	9,10-Dimethylanthracene	206	C16H14	000781-43-1	87
4	Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	87
5	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	87





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Data File : BF078584.D
Acq On : 17 Apr 2015 00:06
Operator : TP/IZ
Sample : G1854-10
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : LS-SB05A(1-1.5)

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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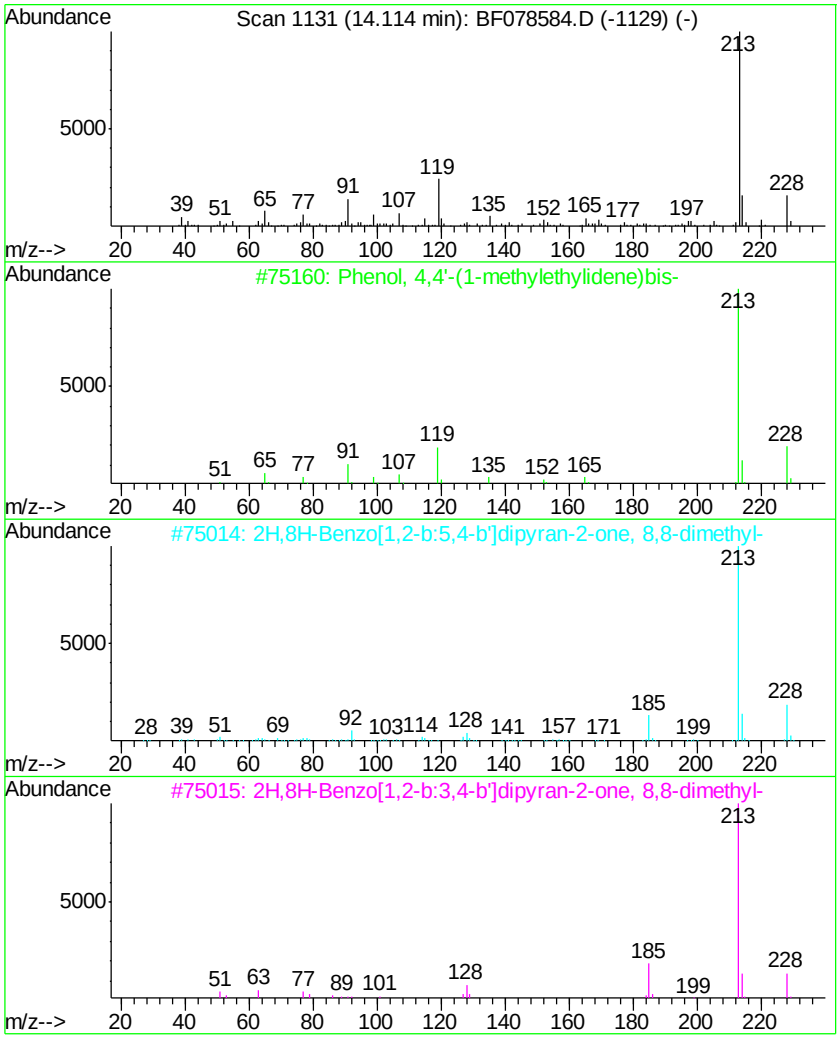
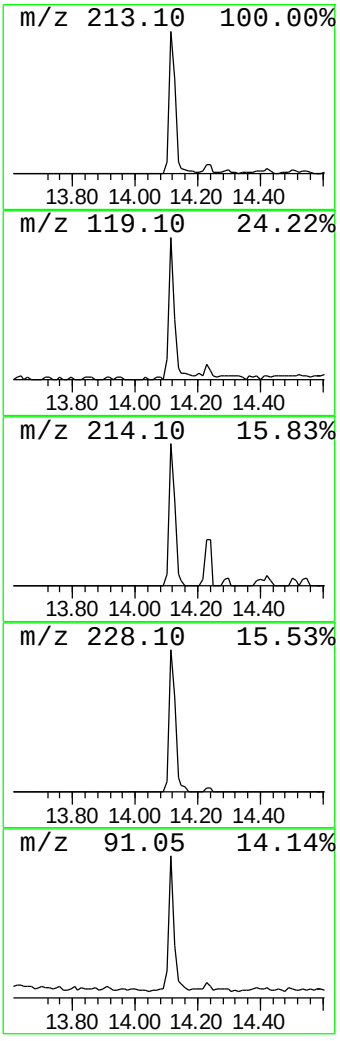
Peak Number 11 Phenol, 4,4'-(1-methylethyl... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.11	5.95 ng	264030	Chrysene-d12	15.50

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenol, 4,4'-(1-methylethylidene...	228	C15H16O2	000080-05-7	96
2	2H,8H-Benzo[1,2-b:5,4-b']dipyran...	228	C14H12O3	000553-19-5	58
3	2H,8H-Benzo[1,2-b:3,4-b']dipyran...	228	C14H12O3	000523-59-1	53
4	Carbamic acid, [1,1'-biphenyl]-3...	213	C13H11NO2	055030-29-0	52
5	3-Dibenzofuranamine, 2-methoxy-	213	C13H11NO2	005834-17-3	52





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Acq On : 17 Apr 2015 00:06
Operator : TP/IZ
Sample : G1854-10
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : LS-SB05A(1-1.5)

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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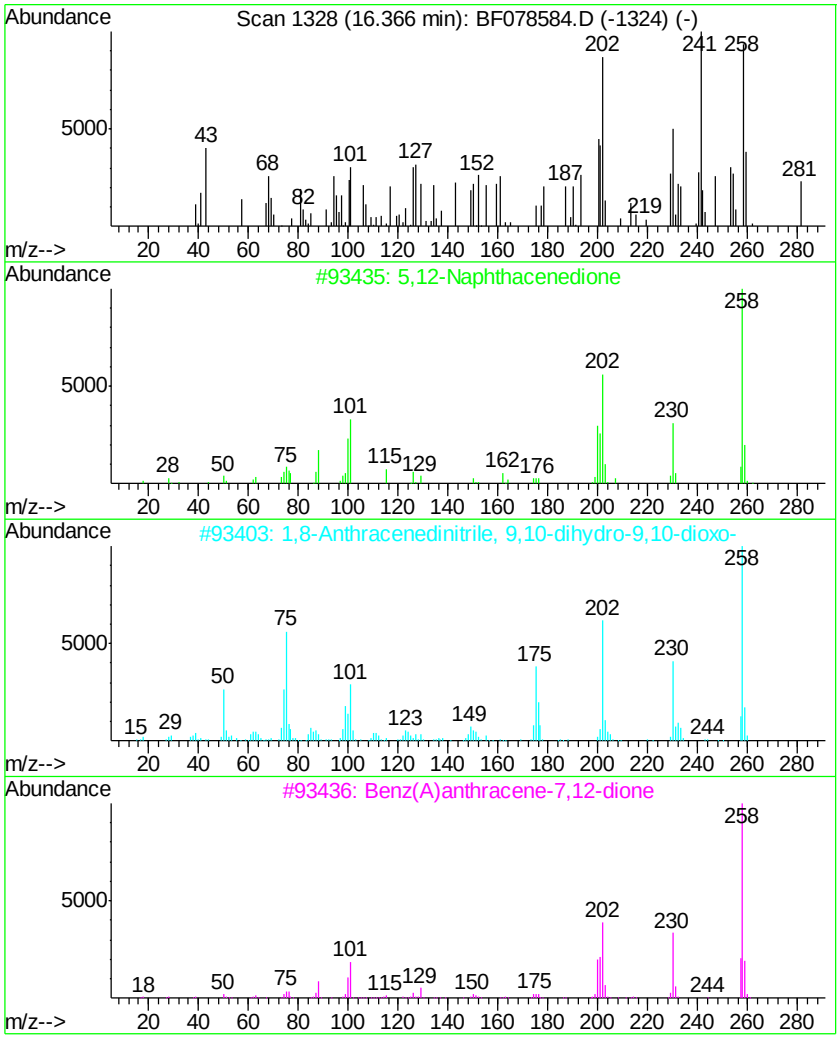
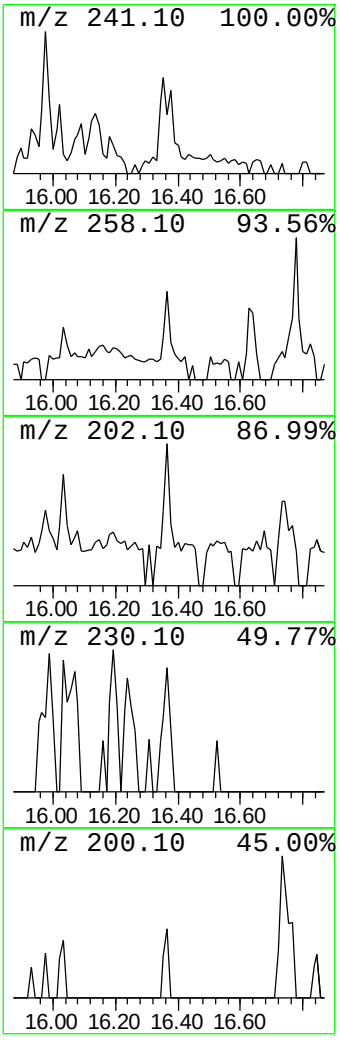
Peak Number 12 5,12-Naphthacenedione Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.37	2.27 ng	54536	Perylene-d12	17.15

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	5,12-Naphthacenedione	258	C18H10O2	001090-13-7	50
2	1,8-Anthracenedinitrile, 9,10-di...	258	C16H6N2O2	090866-50-5	32
3	Benz(A)anthracene-7,12-dione	258	C18H10O2	002498-66-0	27
4	Piperazine, 1-methyl-4-(1,2,3,4-...	258	C17H26N2	055591-14-5	25
5	Diazene, bis(4-methoxyphenyl)-, ...	258	C14H14N2O3	001562-94-3	11





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Data File : BF078584.D
Acq On : 17 Apr 2015 00:06
Operator : TP/IZ
Sample : G1854-10
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : LS-SB05A(1-1.5)

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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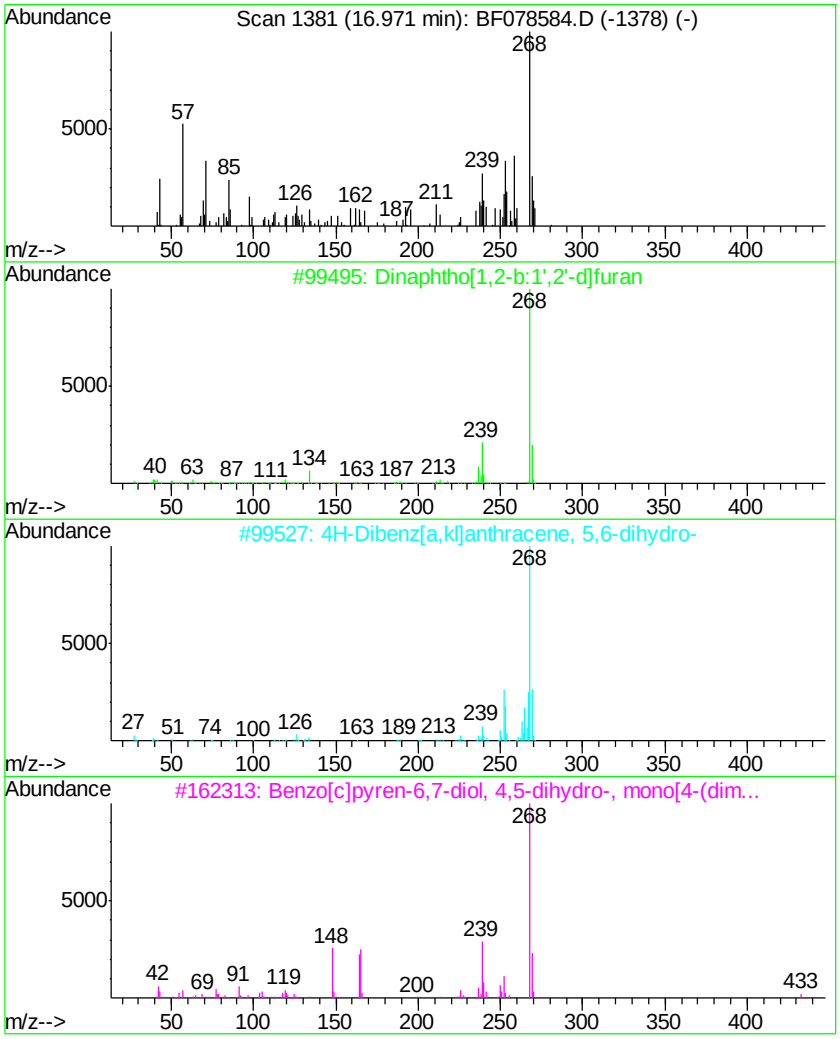
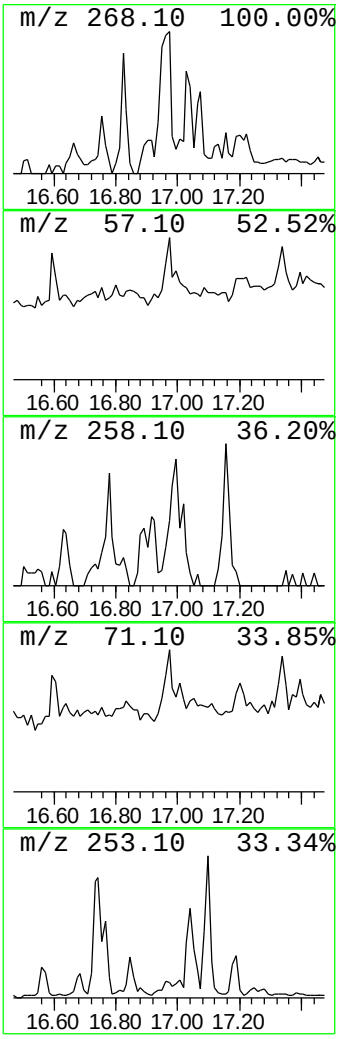
Peak Number 14 Dinaphtho[1,2-b:1',2'-d]furan Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.97	2.96 ng	71015	Perylene-d12	17.15

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dinaphtho[1,2-b:1',2'-d]furan	268	C20H12O	000207-93-2	53
2	4H-Dibenz[a,kl]anthracene, 5,6-d...	268	C21H16	007198-87-0	53
3	Benzo[c]pyren-6,7-diol, 4,5-dihy...	433	C29H23NO3	1000124-59-9	50
4	3-Methylcholanthrene	268	C21H16	000056-49-5	49
5	4H-1-Benzopyran-4-one, 5-hydroxy...	268	C16H12O4	000520-28-5	47





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Data File : BF078584.D
Acq On : 17 Apr 2015 00:06
Operator : TP/IZ
Sample : G1854-10
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : LS-SB05A(1-1.5)

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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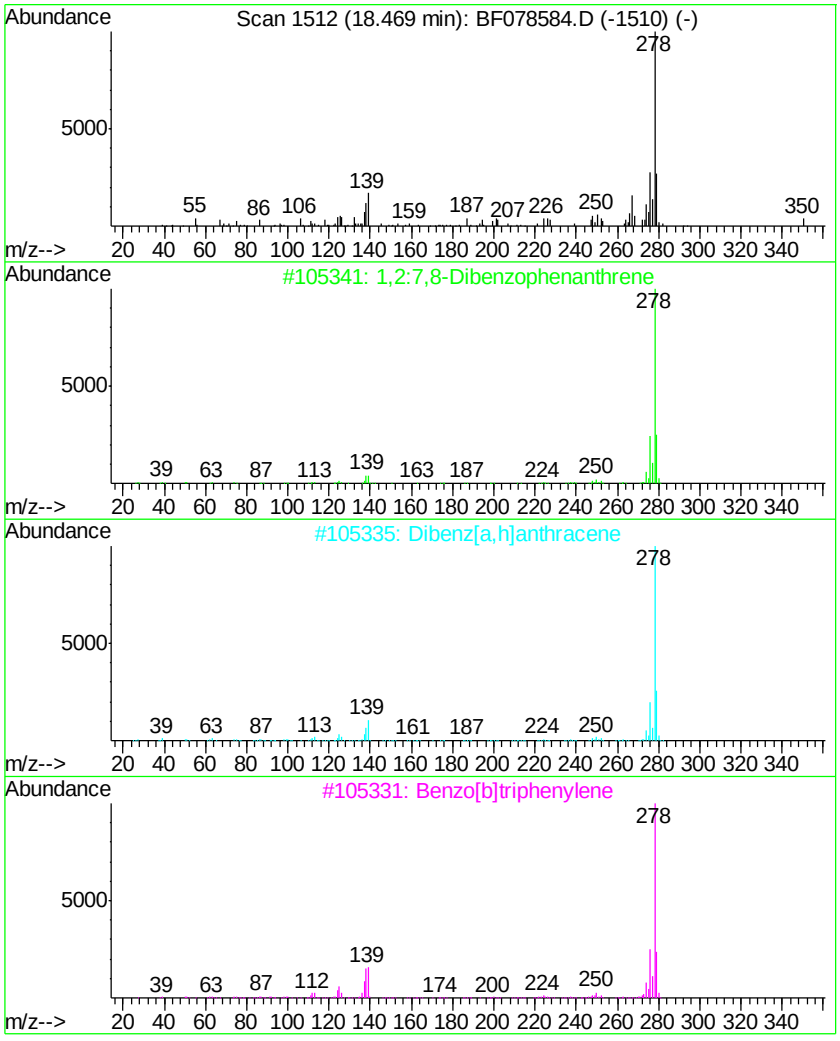
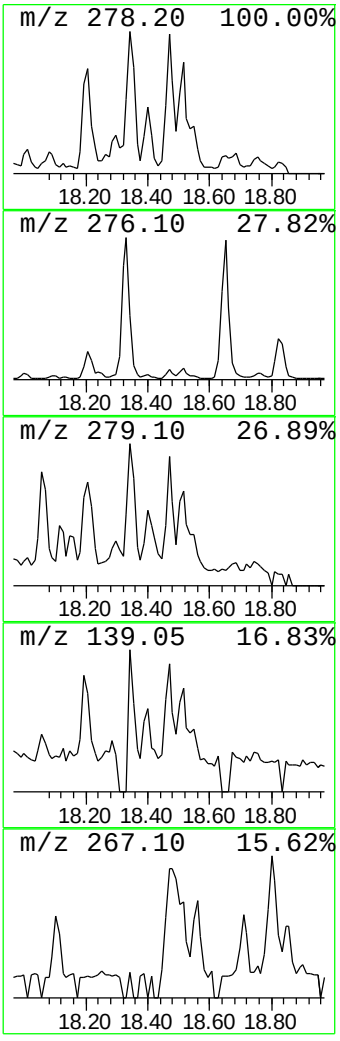
Peak Number 17 1,2:7,8-Dibenzophenanthrene Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.47	2.71 ng	65050	Perylene-d12	17.15

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,2:7,8-Dibenzophenanthrene	278	C22H14	000213-46-7	93
2	Dibenz[a,h]anthracene	278	C22H14	000053-70-3	92
3	Benzo[b]triphenylene	278	C22H14	000215-58-7	92
4	Pentaphene	278	C22H14	000222-93-5	64
5	Benzo[a]naphthacene	278	C22H14	000226-88-0	60





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Data File : BF078584.D
Acq On : 17 Apr 2015 00:06
Operator : TP/IZ
Sample : G1854-10
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : LS-SB05A(1-1.5)

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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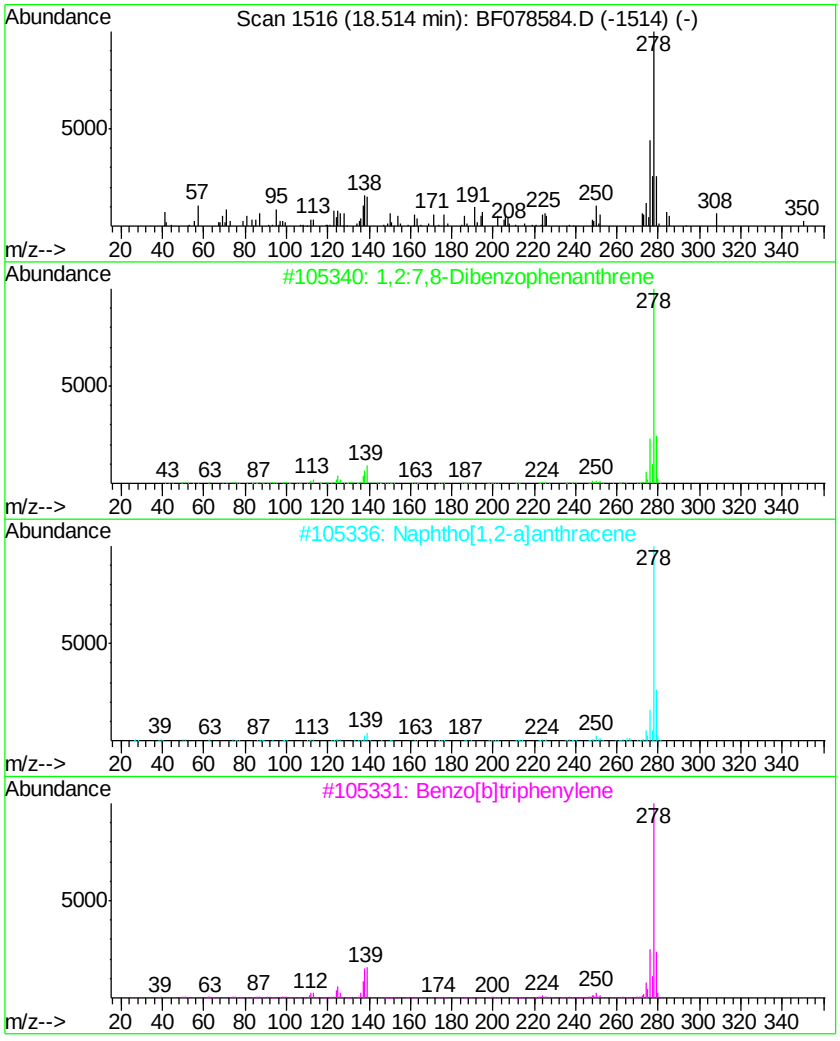
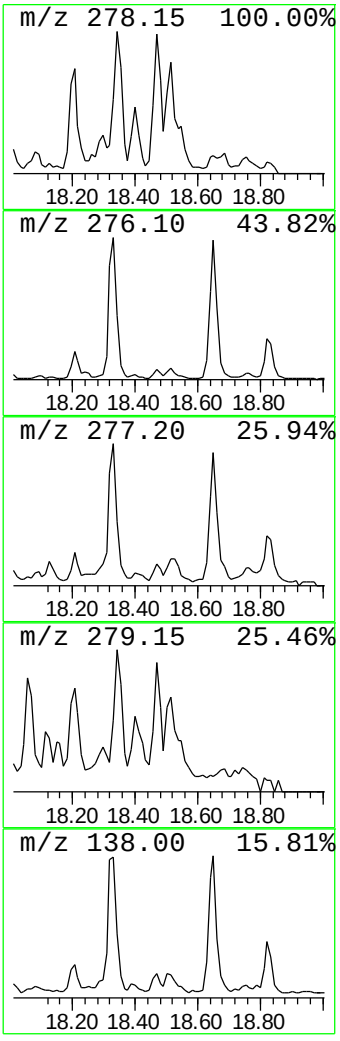
Peak Number 18 Naphtho[1,2-a]anthracene Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.51	5.66 ng	135806	Perylene-d12	17.15

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,2:7,8-Dibenzophenanthrene	278	C22H14	000213-46-7	60
2	Naphtho[1,2-a]anthracene	278	C22H14	000195-06-2	60
3	Benzo[b]triphenylene	278	C22H14	000215-58-7	60
4	Dibenz[a,h]anthracene	278	C22H14	000053-70-3	49
5	Pentacene	278	C22H14	000135-48-8	49





Data Path : Z:\HPCHEM1\BNA_F\DATA\BF041615\
Data File : BF078584.D
Acq On : 17 Apr 2015 00:06
Operator : TP/IZ
Sample : G1854-10
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : LS-SB05A(1-1.5)

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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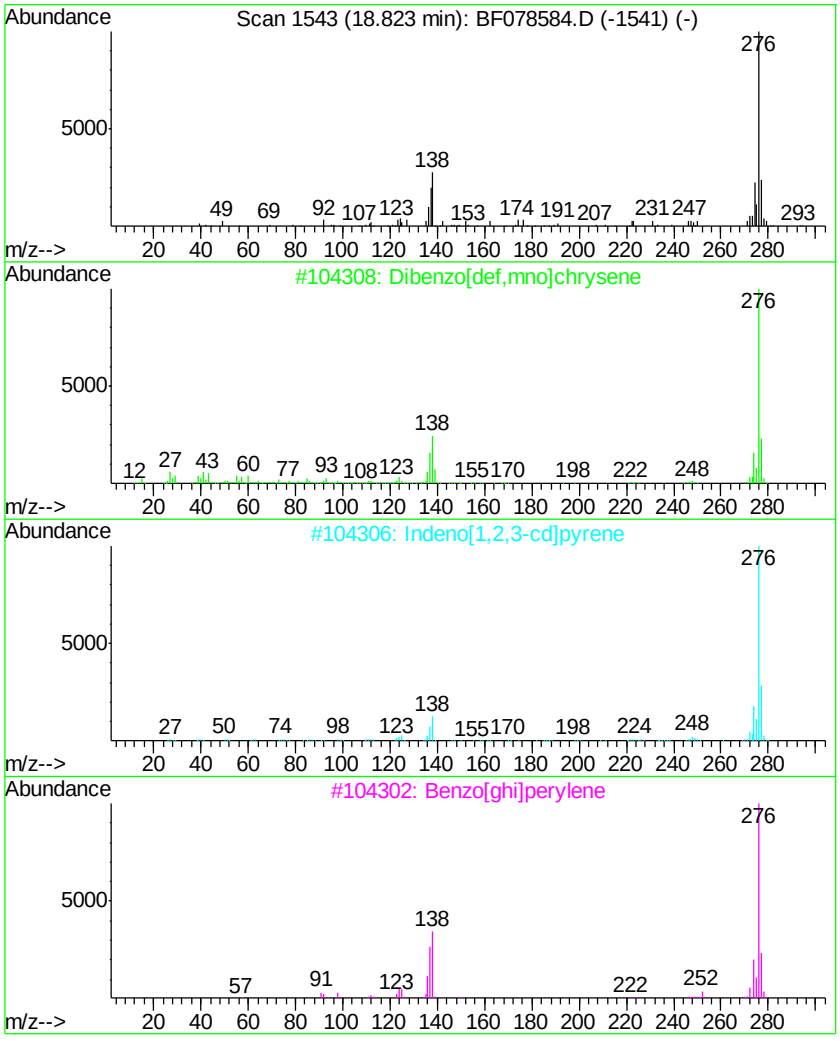
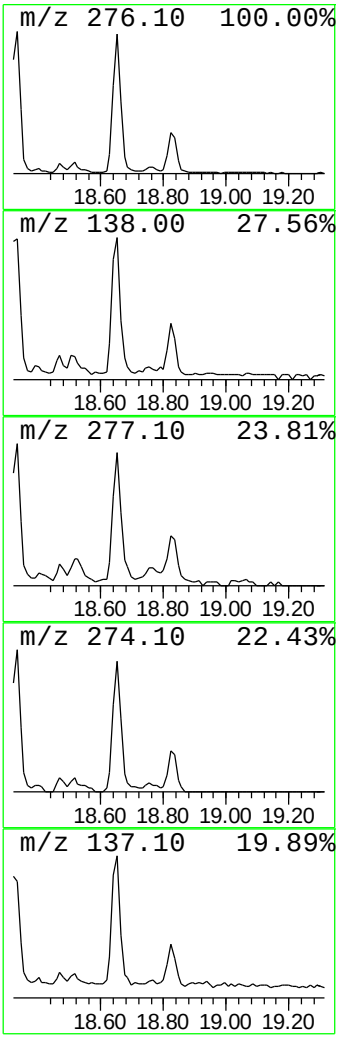
Peak Number 19 Dibenzo[def,mno]chrysene Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.82	3.00 ng	72041	Perylene-d12	17.15

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzo[def,mno]chrysene	276	C22H12	000191-26-4	98
2	Indeno[1,2,3-cd]pyrene	276	C22H12	000193-39-5	94
3	Benzo[ghi]perylene	276	C22H12	000191-24-2	93
4	Indeno[1,2,3-cd]fluoranthene	276	C22H12	000193-43-1	87
5	Naphthalen-1-yl-(3-nitro-benzyli...	276	C17H12N2O2	200421-53-0	43





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF041615\
Data File : BF078584.D
Acq On : 17 Apr 2015 00:06
Operator : TP/IZ
Sample : G1854-10
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : LS-SB05A(1-1.5)

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...	4.28	8.3	ng	63567	1	6.68	152360	20.0
unknown6.40	6.40	83.0	ng	632337	1	6.68	152360	20.0
Dehydro-cohumulin...	12.97	39.2	ng	676981	4	12.24	345305	20.0
unknown13.42	13.42	22.8	ng	393971	4	12.24	345305	20.0
unknown13.46	13.46	52.4	ng	905187	4	12.24	345305	20.0
di-p-Tolylacetylene	13.55	3.9	ng	66585	4	12.24	345305	20.0
Phenol, 4,4'-(1-m...	14.11	6.0	ng	264030	5	15.50	887127	20.0
5,12-Naphthacened...	16.37	2.3	ng	54536	6	17.15	479511	20.0
Dinaphtho[1,2-b:1...	16.97	3.0	ng	71015	6	17.15	479511	20.0
1,2:7,8-Dibenzoph...	18.47	2.7	ng	65050	6	17.15	479511	20.0
Naphtho[1,2-a]ant...	18.51	5.7	ng	135806	6	17.15	479511	20.0
Dibenzo[def,mno]c...	18.82	3.0	ng	72041	6	17.15	479511	20.0