LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF060515\
Data File : BF079758.D
Acq On : 6 Jun 2015 6:27
Operator : TP/IZ
Sample : G2450-07 2X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SEC-3.5-SP

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-BF060515.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	1.335	12	13	15	rVB	16183486	11150360	100.00%	13.272%
2	1.713	43	46	49	rVB	4044487	6356813	57.01%	7.566%
3	2.090	76	79	82	rVB	208088	371720	3.33%	0.442%
4	2.250	91	93	105	rVB	90302	293589	2.63%	0.349%
5	2.433	107	109	123	rVV	1239693	2090518	18.75%	2.488%
6	2.627	123	126	137	rVB	143100	312329	2.80%	0.372%
7	6.102	428	430	433	rBV	712493	642476	5.76%	0.765%
8	7.085	514	516	518	rBV	637621	668167	5.99%	0.795%
9	7.256	529	531	533	rBV	892343	729072	6.54%	0.868%
10	7.496	550	552	554	rBV	248358	326718	2.93%	0.389%
11	7.645	563	565	567	rVB	426979	537956	4.82%	0.640%
12	8.045	597	600	601	rBV	437596	382337	3.43%	0.455%
13	8.788	662	665	667	rBV	429230	530299	4.76%	0.631%
14	9.862	757	759	761	rVB	786593	877518	7.87%	1.044%
15	10.422	806	808	810	rBV	566168	511912	4.59%	0.609%
16	10.559	818	820	822	rBV	683441	600949	5.39%	0.715%
17	11.348	887	889	891	rBV2	493372	573226	5.14%	0.682%
18	12.091	950	954	956	rBV2	1107690	1788991	16.04%	2.129%
19	12.148	956	959	961	rBV	1577990	1417198	12.71%	1.687%
20	12.296	969	972	973	rBV2	176236	241706	2.17%	0.288%
21	12.616	998	1000	1001	rVB	232779	249321	2.24%	0.297%
22	12.662	1001	1004	1006	rBV	312559	310190	2.78%	0.369%
23	12.708	1006	1008	1011	rVV	393755	560286	5.02%	0.667%
24	12.891	1022	1024	1025	rBV2	151145	199055	1.79%	0.237%
25	13.165	1046	1048	1049	rBV	249983	316197	2.84%	0.376%
26	13.211	1049	1052	1054	rVB3	98871	209267	1.88%	0.249%
27	13.257	1054	1056	1059	rBV	330097	337599	3.03%	0.402%
28	13.348	1061	1064	1066	rBV	4632615	4448071	39.89%	5.294%
29	13.451	1071	1073	1076	rBV2	128400	257140	2.31%	0.306%
30	13.519	1076	1079	1081	rBV3	95357	229924	2.06%	0.274%
31	13.599	1081	1086	1089	rBV	3904606	5016848	44.99%	5.971%
32	13.645	1089	1090	1092	rVB	215963	187085	1.68%	0.223%
33	13.737	1094	1098	1099	rBV2	1006617	1398416	12.54%	1.664%
34	13.771	1099	1101	1104	rVB	230291	292762	2.63%	0.348%

LSC Area Percent Report

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Data File : BF079758.D
Acq On : 6 Jun 2015 6:27
Operator : TP/IZ
Sample : G2450-07 2X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SEC-3.5-SP

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-BF060515.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	13.839	1104	1107	1111	rBV3	407961	856928	7.69%	1.020%
36	13.954	1113	1117	1119	rVB	583433	1065307	9.55%	1.268%
37	14.034	1121	1124	1125	rBV	402016	442447	3.97%	0.527%
38	14.079	1125	1128	1129	rBV2	416098	521146	4.67%	0.620%
39	14.182	1136	1137	1139	rBV	251623	358485	3.22%	0.427%
40	14.217	1139	1140	1142	rVB2	201400	269036	2.41%	0.320%
41	14.548	1167	1169	1171	rVB	510555	625405	5.61%	0.744%
42	14.685	1177	1181	1182	rBV2	501414	813335	7.29%	0.968%
43	14.720	1182	1184	1185	rVV	383512	513195	4.60%	0.611%
44	14.754	1185	1187	1189	rVV2	547837	910138	8.16%	1.083%
45	14.788	1189	1190	1194	rVB	514472	541362	4.86%	0.644%
46	14.891	1196	1199	1201	rBV	122978	248181	2.23%	0.295%
47	14.982	1202	1207	1209	rBV	2914178	5434043	48.73%	6.468%
48	15.028	1209	1211	1213	rVB	2221579	3199954	28.70%	3.809%
49	15.120	1218	1219	1222	rVV	387339	675257	6.06%	0.804%
50	15.211	1225	1227	1229	rVV	265633	330490	2.96%	0.393%
51	15.257	1229	1231	1234	rVV	458632	583941	5.24%	0.695%
52	15.302	1234	1235	1239	rVB2	167301	221826	1.99%	0.264%
53	15.428	1244	1246	1247	rVV	162639	291934	2.62%	0.347%
54	15.474	1247	1250	1251	rVV	468591	806761	7.24%	0.960%
55	15.508	1251	1253	1255	rVV3	358405	590038	5.29%	0.702%
56	15.577	1255	1259	1262	rVV4	190413	652420	5.85%	0.777%
57	15.634	1262	1264	1265	rVV	360622	472769	4.24%	0.563%
58	15.714	1269	1271	1276	rVB3	179629	335416	3.01%	0.399%
59	15.863	1282	1284	1286	rBV	225160	312013	2.80%	0.371%
60	16.103	1302	1305	1312	rVB2	243038	682940	6.12%	0.813%
61	16.217	1312	1315	1317	rBV2	141474	240256	2.15%	0.286%
62	16.343	1322	1326	1331	rBV	2307654	6294868	56.45%	7.492%
63	16.434	1331	1334	1336	rVV2	120500	317265	2.85%	0.378%
64	16.480	1336	1338	1342	rVV	491917	737603	6.62%	0.878%
65	16.605	1346	1349	1353	rBV5	130186	424396	3.81%	0.505%
66	16.685	1354	1356	1358	rVV	119911	240699	2.16%	0.286%
67	16.754	1358	1362	1366	rVV	1295126	2192244	19.66%	2.609%
68	16.834	1366	1369	1373	rVV	1623477	2433872	21.83%	2.897%
69	16.914	1373	1376	1378	rVV	481384	853220	7.65%	1.016%
70	16.960	1378	1380	1384	rVB2	504910	872420	7.82%	1.038%
71	17.668	1440	1442	1449	rVB2	86494	198425	1.78%	0.236%

LSC Area Percent Report

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Acq On : 6 Jun 2015 6:27
Operator : TP/IZ
Sample : G2450-07 2X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SEC-3.5-SP

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-BF060515.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

72	18.914	1546	1551	1558	rBV2	573409	1576467	14.14%	1.876%
73	19.154	1569	1572	1575	rVB	80265	171202	1.54%	0.204%
74	19.234	1576	1579	1582	rBV2	88024	192340	1.72%	0.229%
75	19.520	1599	1604	1610	rBV	424848	1100286	9.87%	1.310%

Sum of corrected areas: 84016345

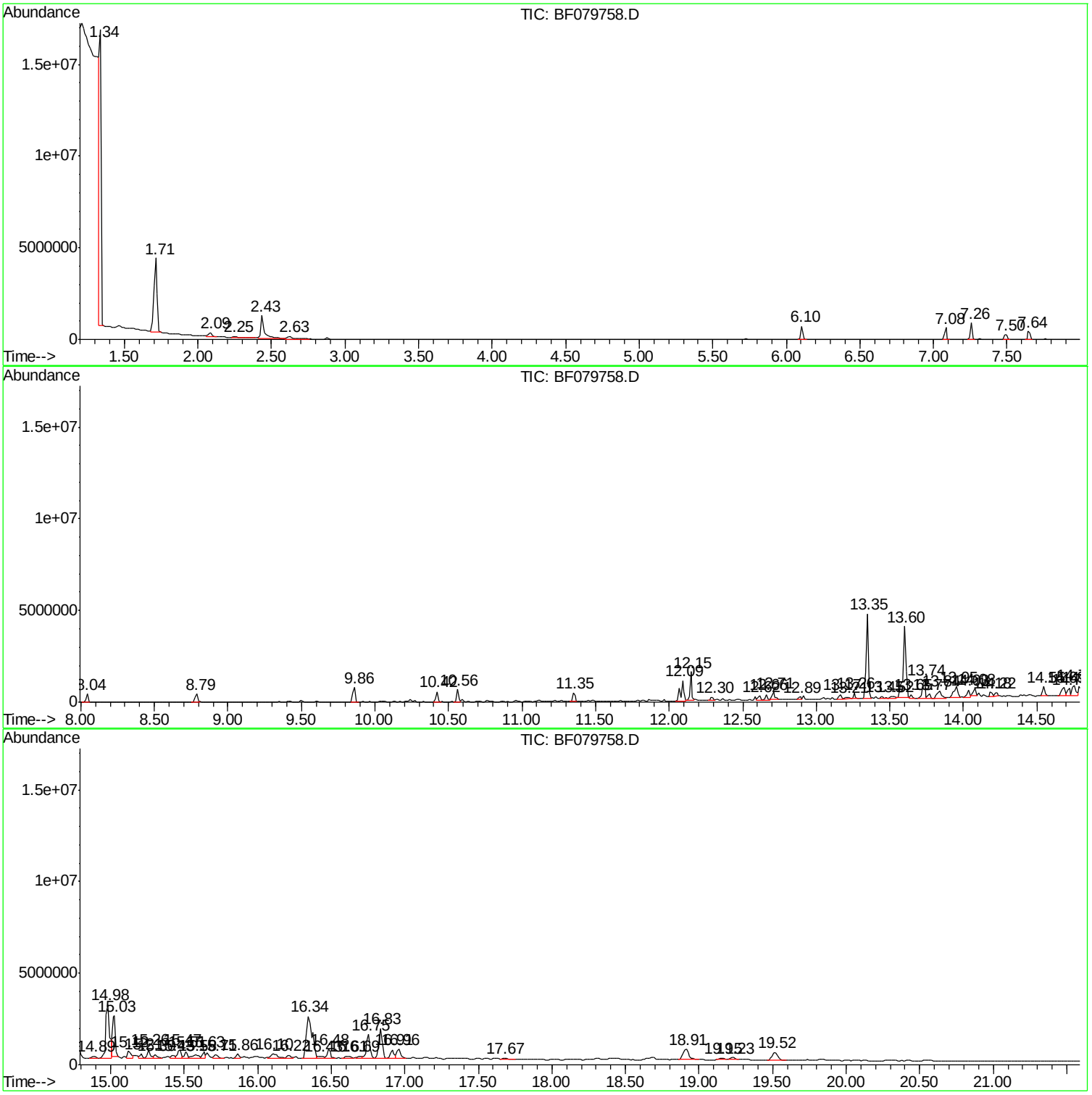
LSC Report - Integrated Chromatogram

Data Path : Z:\HPCHEM1\BNA F\DATA\BF060515\
Data File : BF079758.D
Acq On : 6 Jun 2015 6:27
Operator : TP/IZ
Sample : G2450-07 2X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SEC-3.5-SP

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF060515.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\BF060515\
Data File : BF079758.D
Acq On : 6 Jun 2015 6:27
Operator : TP/IZ
Sample : G2450-07 2X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SEC-3.5-SP

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF060515.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

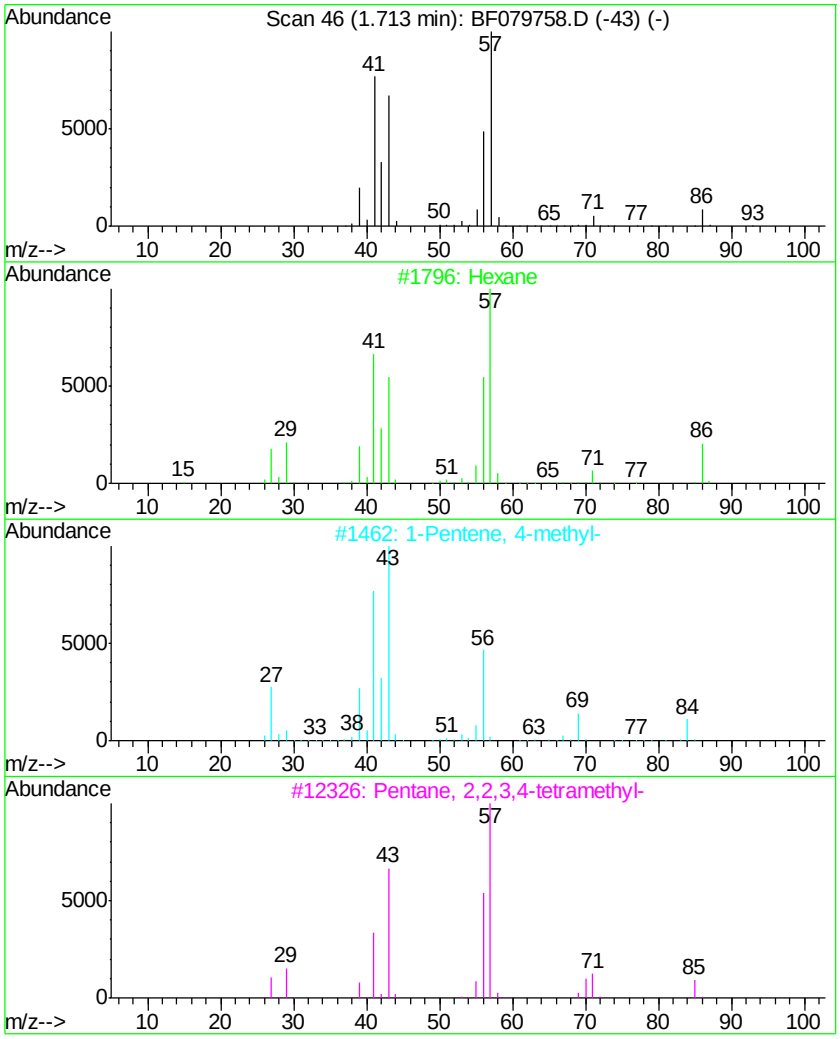
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

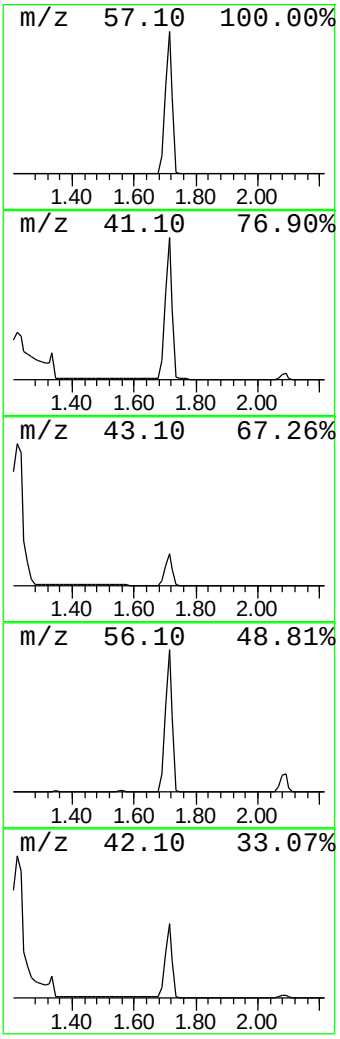
****

Peak Number 2 Hexane Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.71	389.13 ng	6356810	1,4-Dichlorobenzene-d4	7.50

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexane	86	C6H14	000110-54-3	83
2	1-Pentene, 4-methyl-	84	C6H12	000691-37-2	40
3	Pentane, 2,2,3,4-tetramethyl-	128	C9H20	001186-53-4	40
4	Methane, isocyanato-	57	C2H3NO	000624-83-9	37
5	Pentane, 3-methyl-	86	C6H14	000096-14-0	25





Data Path : Z:\HPCHEM1\BNA F\DATA\BF060515\
Data File : BF079758.D
Acq On : 6 Jun 2015 6:27
Operator : TP/IZ
Sample : G2450-07 2X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SEC-3.5-SP

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF060515.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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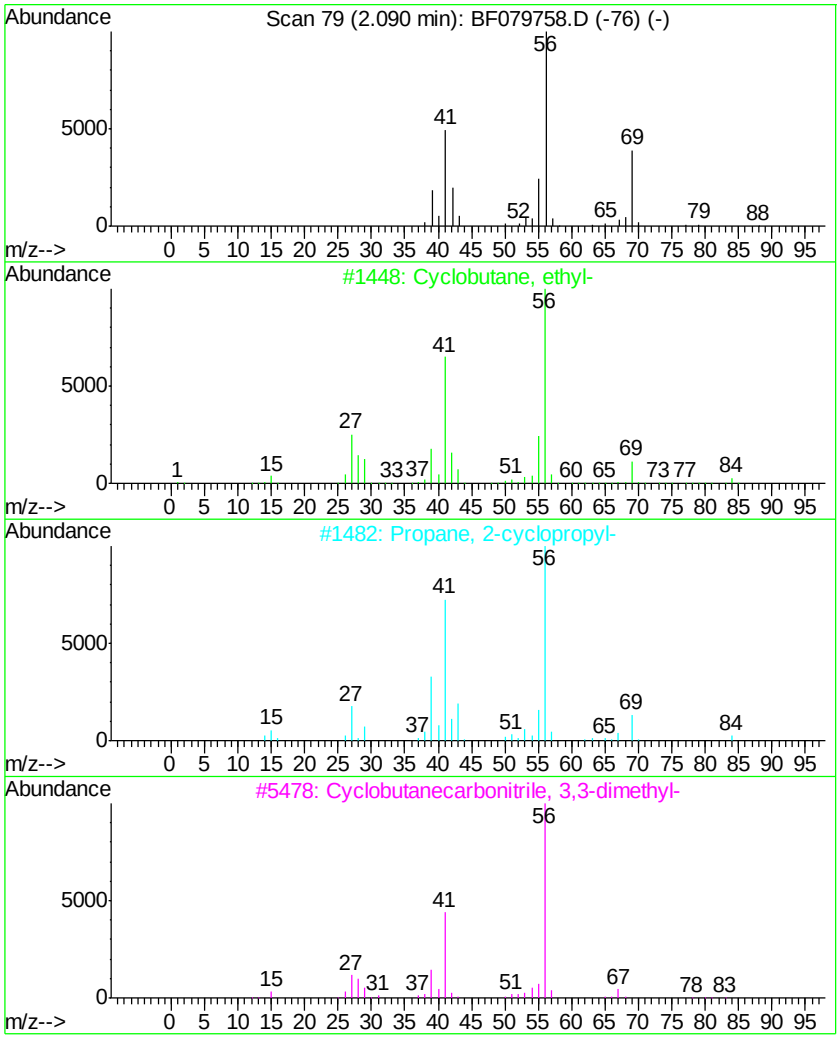
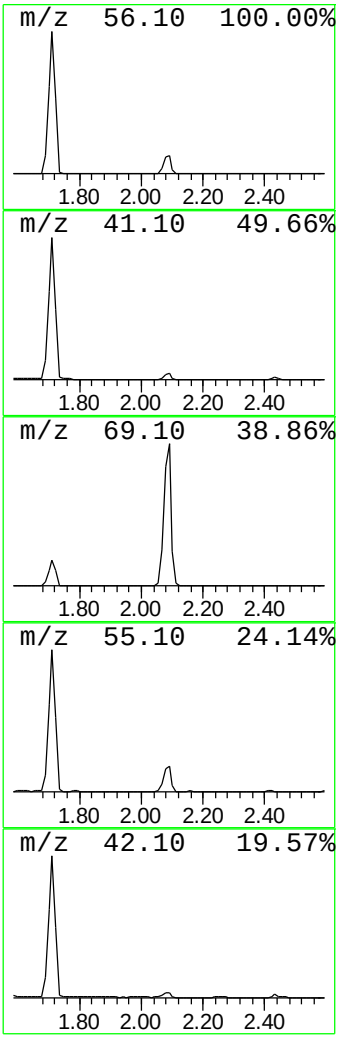
Peak Number 3 Cyclobutane, ethyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.09	22.75 ng	371720	1,4-Dichlorobenzene-d4	7.50

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclobutane, ethyl-	84	C6H12	004806-61-5	50
2	Propane, 2-cyclopropyl-	84	C6H12	003638-35-5	39
3	Cyclobutanecarbonitrile, 3,3-dim...	109	C7H11N	053783-86-1	9
4	2-Azetidinone, 3,3-dimethyl-	99	C5H9NO	007486-91-1	9
5	Aziridine, 1-(2-buten-2-yl)-	97	C6H11N	1000158-95-2	9





Data Path : Z:\HPCHEM1\BNA F\DATA\BF060515\
Data File : BF079758.D
Acq On : 6 Jun 2015 6:27
Operator : TP/IZ
Sample : G2450-07 2X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SEC-3.5-SP

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF060515.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

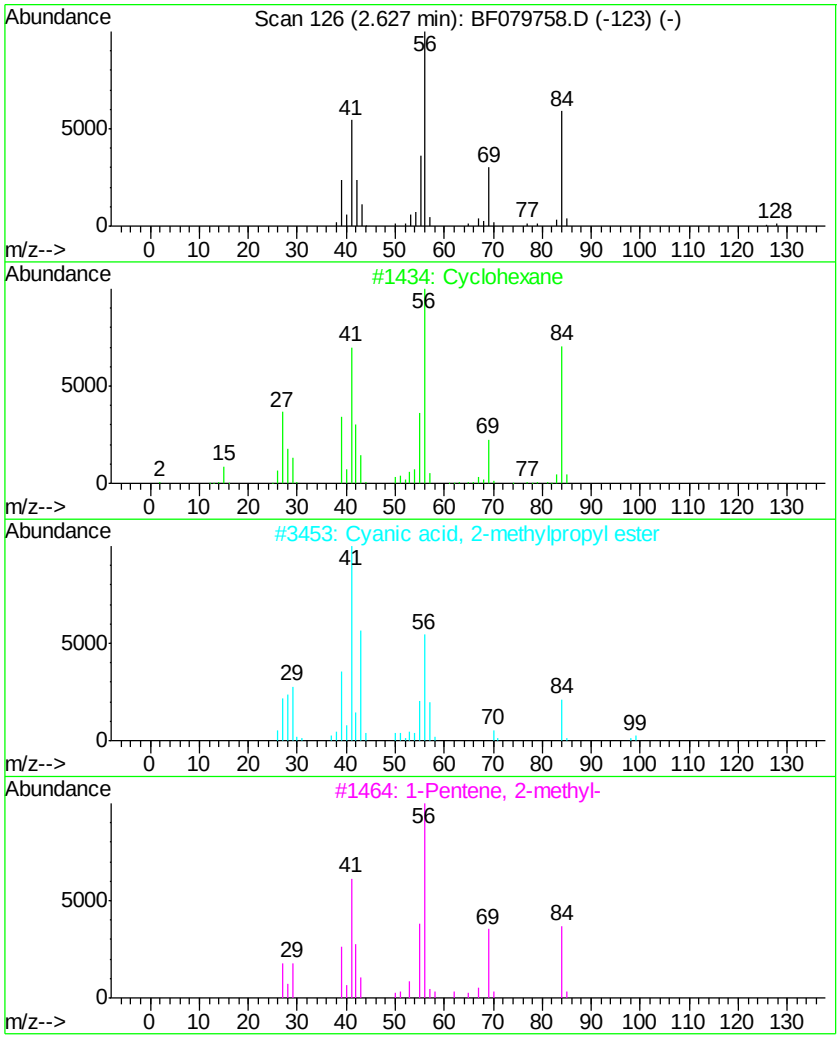
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

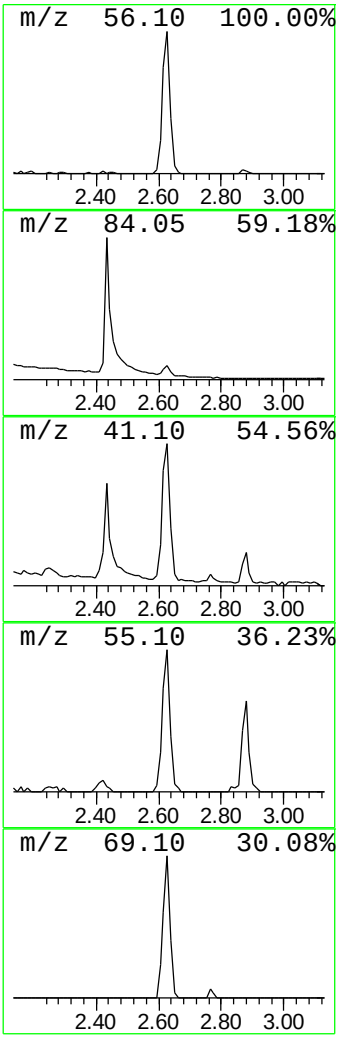
****

Peak Number 6 Cyclohexane Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.63	19.12 ng	312329	1,4-Dichlorobenzene-d4	7.50

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane	84	C6H12	000110-82-7	91
2	Cyanic acid, 2-methylpropyl ester	99	C5H9NO	001768-25-8	64
3	1-Pentene, 2-methyl-	84	C6H12	000763-29-1	50
4	Cyclopentane, methyl-	84	C6H12	000096-37-7	50
5	Cyclopentanone, 2-ethyl-	112	C7H12O	004971-18-0	45





Data Path : Z:\HPCHEM1\BNA F\DATA\BF060515\
Data File : BF079758.D
Acq On : 6 Jun 2015 6:27
Operator : TP/IZ
Sample : G2450-07 2X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SEC-3.5-SP

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF060515.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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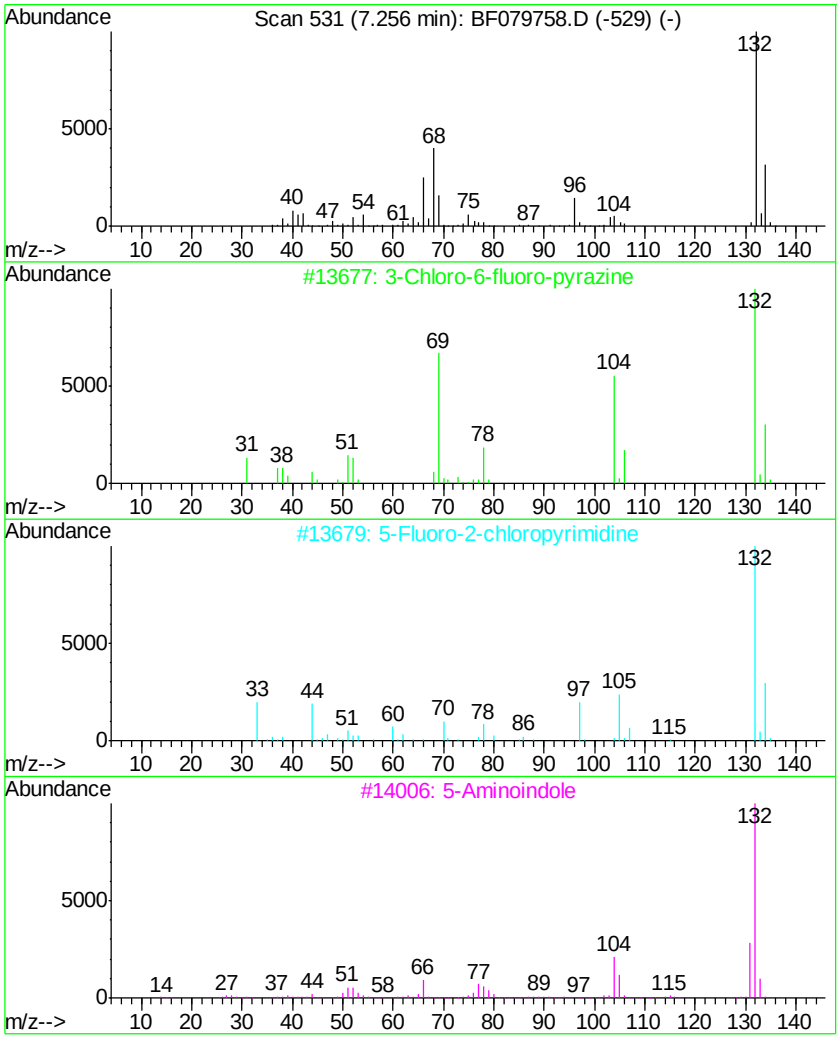
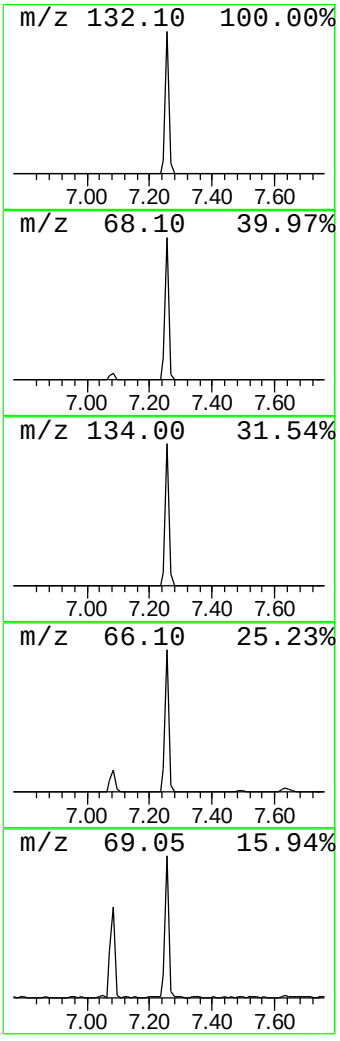
Peak Number 7 unknown7.26 Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.26	44.63 ng	729072	1,4-Dichlorobenzene-d4	7.50

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	27
2	5-Fluoro-2-chloropyrimidine	132	C4H2ClFN2	062802-42-0	16
3	5-Aminoindole	132	C8H8N2	005192-03-0	12
4	Tranylcypromine-propionyl	189	C12H15NO	1000123-86-3	10
5	4-Chloro-2-fluoro-pyrimidine	132	C4H2ClFN2	051422-00-5	9





Data Path : Z:\HPCHEM1\BNA F\DATA\BF060515\
Data File : BF079758.D
Acq On : 6 Jun 2015 6:27
Operator : TP/IZ
Sample : G2450-07 2X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SEC-3.5-SP

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF060515.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

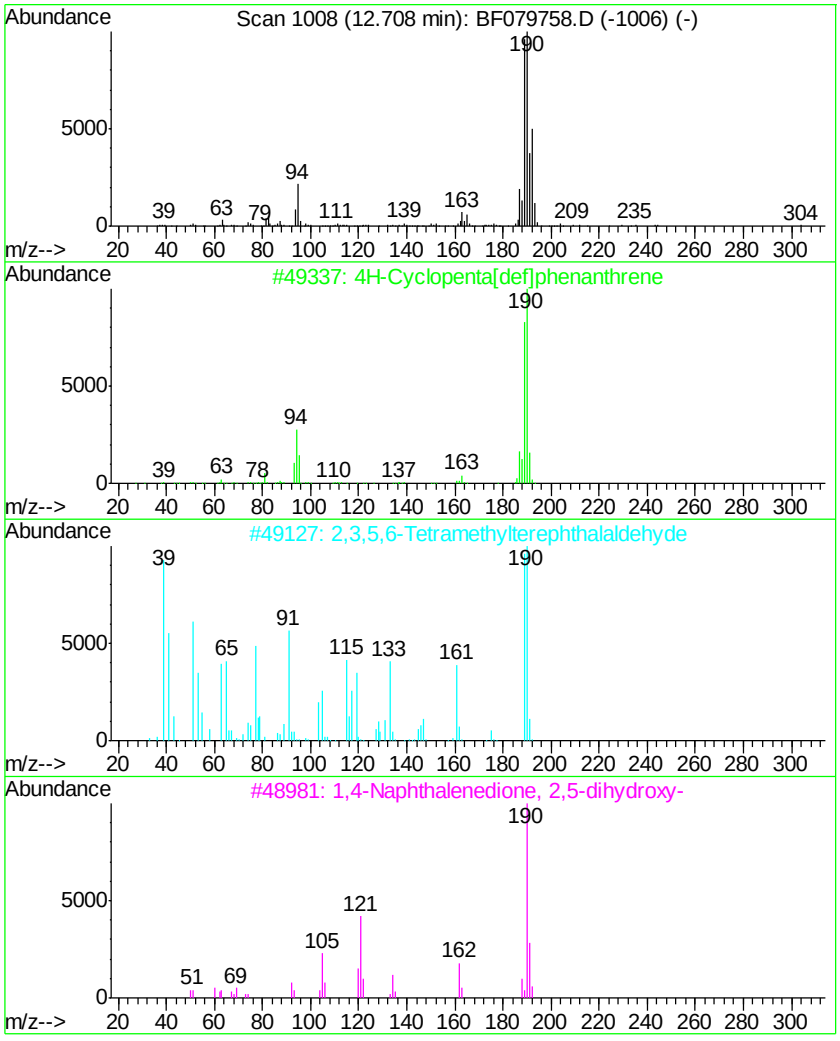
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

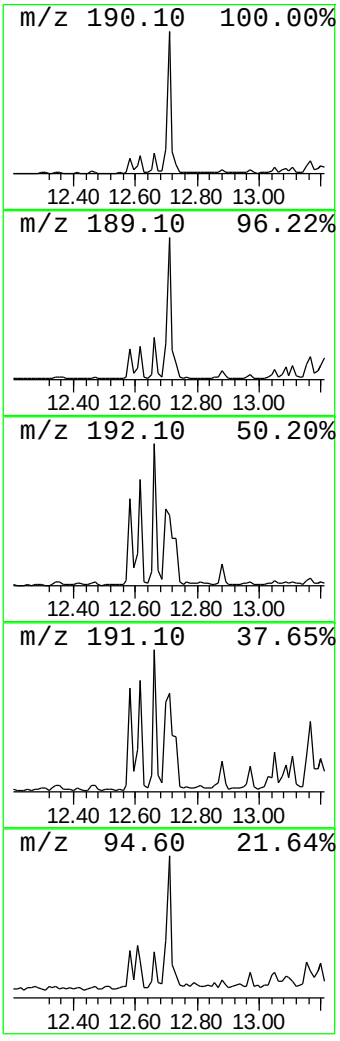
****

Peak Number 9 4H-Cyclopenta[def]phenanthrene Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.71	6.26 ng	560286	Phenanthrene-d10	12.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	93
2	2,3,5,6-Tetramethylterephthalald...	190	C12H14O2	007072-01-7	47
3	1,4-Naphthalenedione, 2,5-dihydr...	190	C10H6O4	004923-55-1	27
4	Anthracene, 1-methyl-	192	C15H12	000610-48-0	18
5	5H-Dibenzo[a,d]cycloheptene	192	C15H12	000256-81-5	18





Data Path : Z:\HPCHEM1\BNA F\DATA\BF060515\
Data File : BF079758.D
Acq On : 6 Jun 2015 6:27
Operator : TP/IZ
Sample : G2450-07 2X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SEC-3.5-SP

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF060515.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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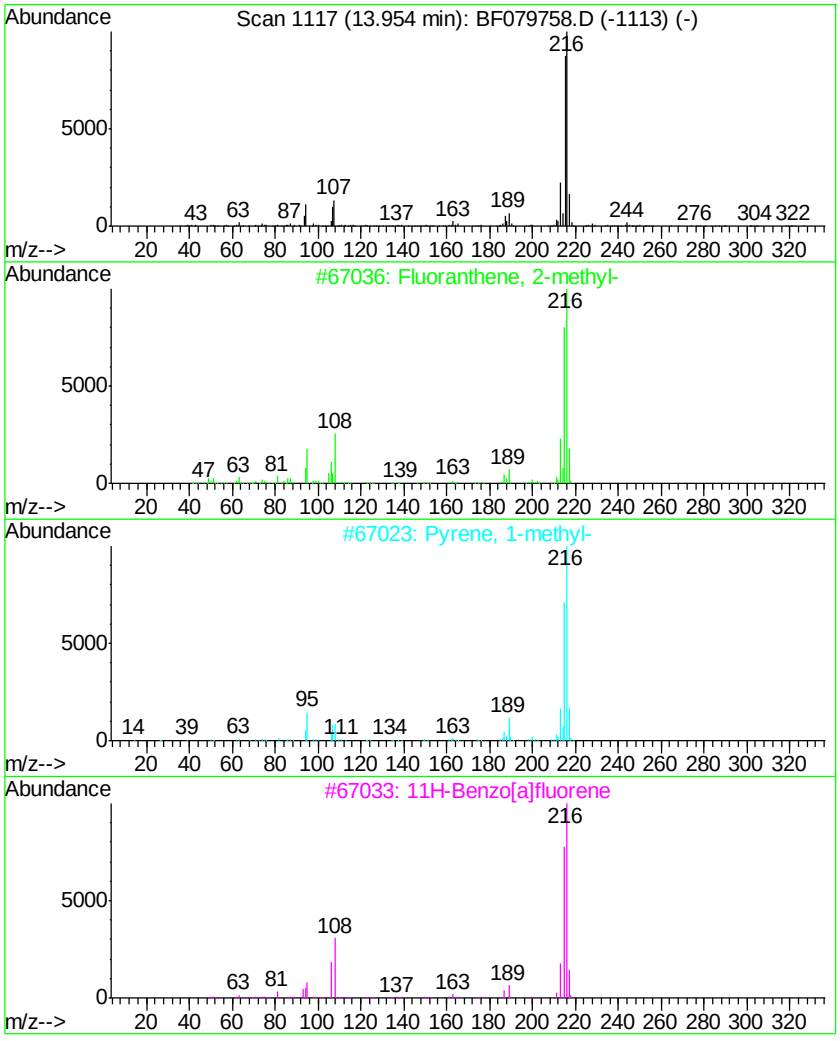
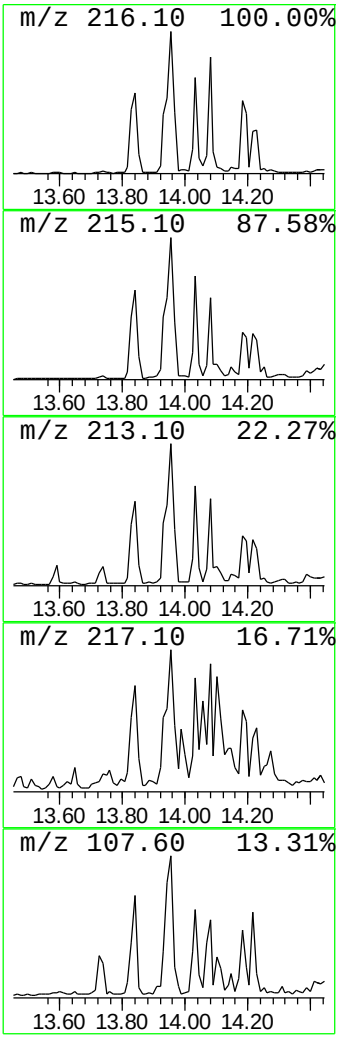
Peak Number 10 Fluoranthene, 2-methyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.95	3.92 ng	1065310	Chrysene-d12	14.99

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	95
2	Pyrene, 1-methyl-	216	C17H12	002381-21-7	94
3	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	91
4	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	91
5	7H-Benzo[c]fluorene	216	C17H12	000205-12-9	81





Data Path : Z:\HPCHEM1\BNA F\DATA\BF060515\
Data File : BF079758.D
Acq On : 6 Jun 2015 6:27
Operator : TP/IZ
Sample : G2450-07 2X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SEC-3.5-SP

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF060515.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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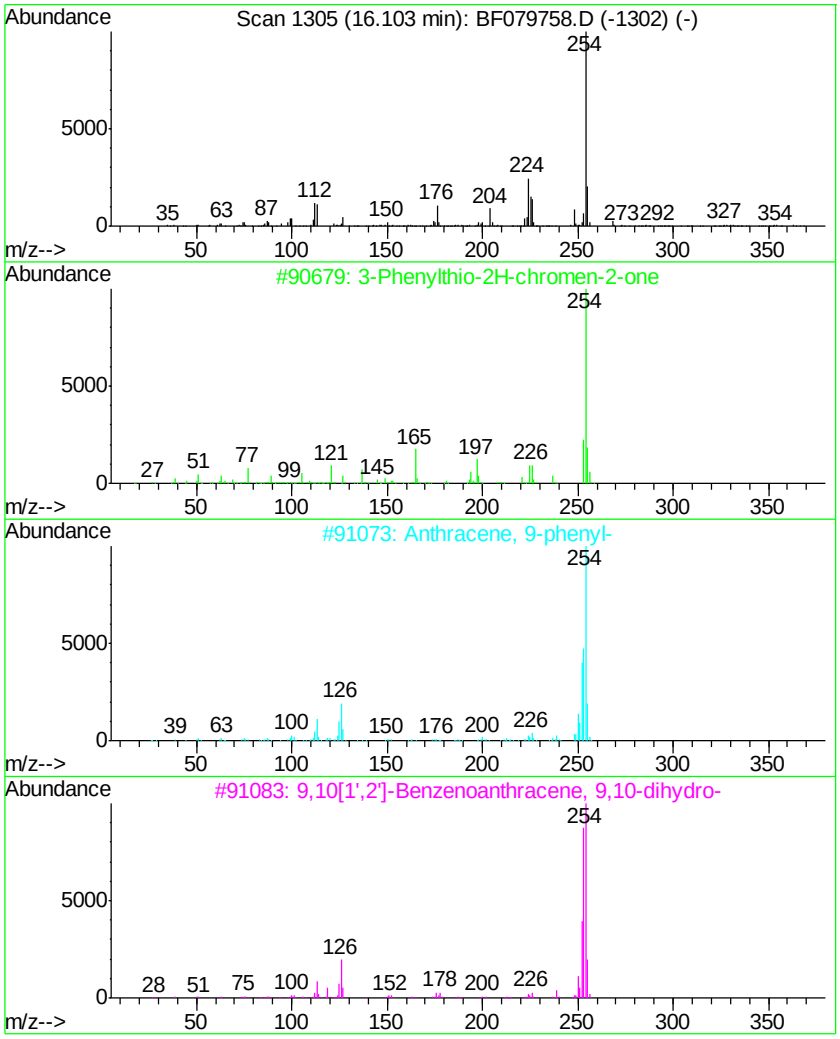
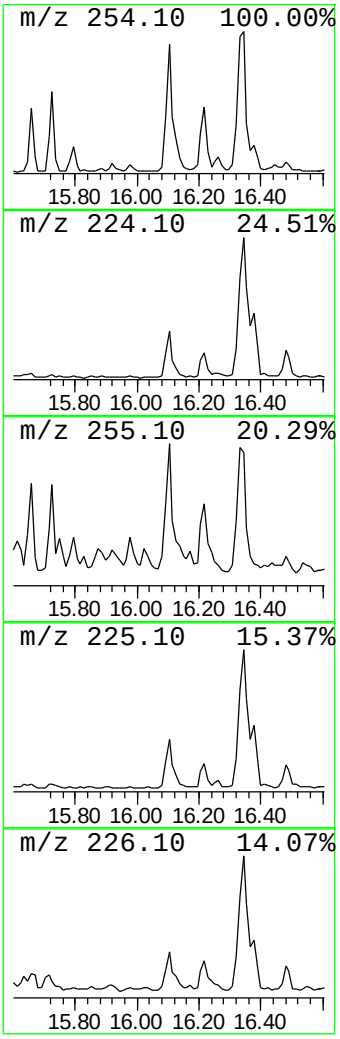
Peak Number 11 3-Phenylthio-2H-chromen-2-one Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.10	16.01 ng	682940	Perylene-d12	16.91

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Phenylthio-2H-chromen-2-one	254	C15H10O2S	072167-95-4	50
2	Anthracene, 9-phenyl-	254	C20H14	000602-55-1	50
3	9,10[1',2']-Benzenoanthracene, 9...	254	C20H14	000477-75-8	50
4	Benzo[a]pyrene, 4,5-dihydro-	254	C20H14	057652-66-1	50
5	2,2'-Binaphthalene	254	C20H14	000612-78-2	50





Data Path : Z:\HPCHEM1\BNA F\DATA\BF060515\
Data File : BF079758.D
Acq On : 6 Jun 2015 6:27
Operator : TP/IZ
Sample : G2450-07 2X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SEC-3.5-SP

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF060515.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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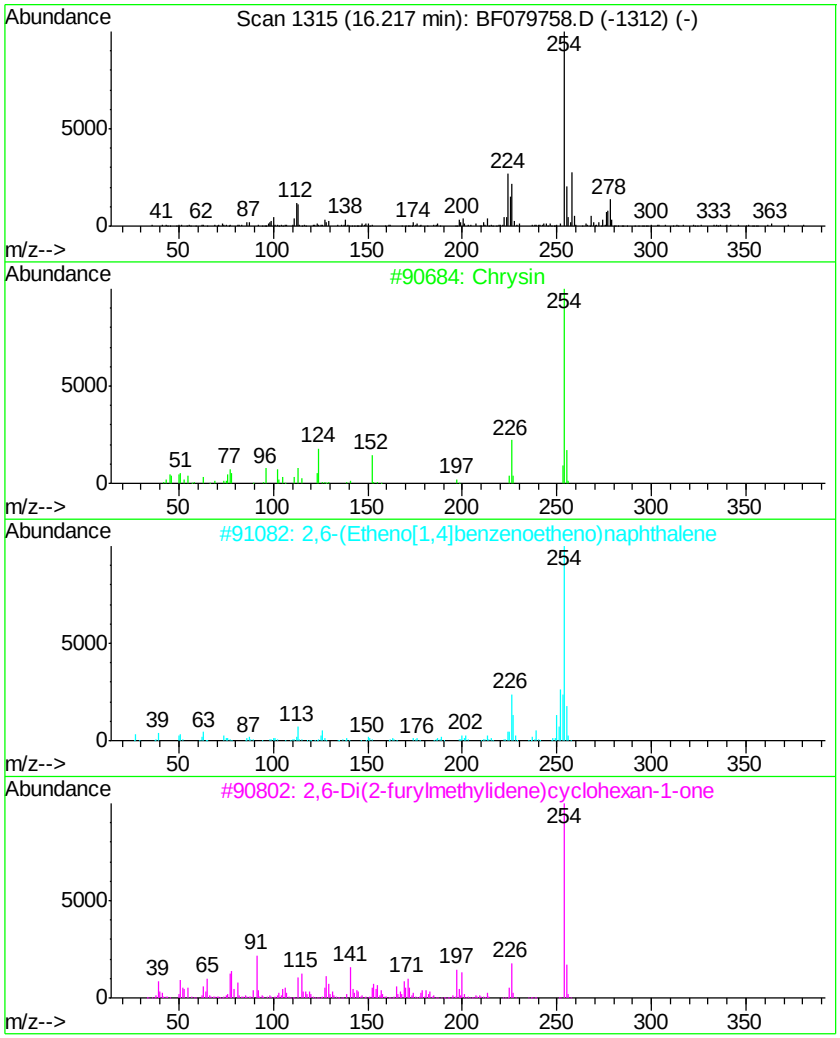
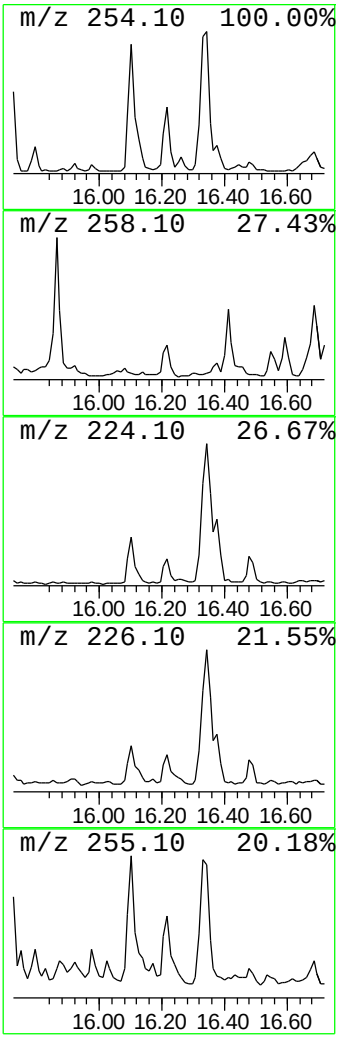
Peak Number 12 Chrysin Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.22	5.63 ng	240256	Perylene-d12	16.91

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Chrysin	254	C15H10O4	000480-40-0	50
2	2,6-(Etheno[1,4]benzenoetheno)na...	254	C20H14	117054-70-3	50
3	2,6-Di(2-furylmethylidene)cycloh...	254	C16H14O3	000893-00-5	50
4	9,10[1',2']-Benzenoanthracene, 9...	254	C20H14	000477-75-8	43
5	3-Phenylthio-2H-chromen-2-one	254	C15H10O2S	072167-95-4	43





Data Path : Z:\HPCHEM1\BNA F\DATA\BF060515\
Data File : BF079758.D
Acq On : 6 Jun 2015 6:27
Operator : TP/IZ
Sample : G2450-07 2X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SEC-3.5-SP

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF060515.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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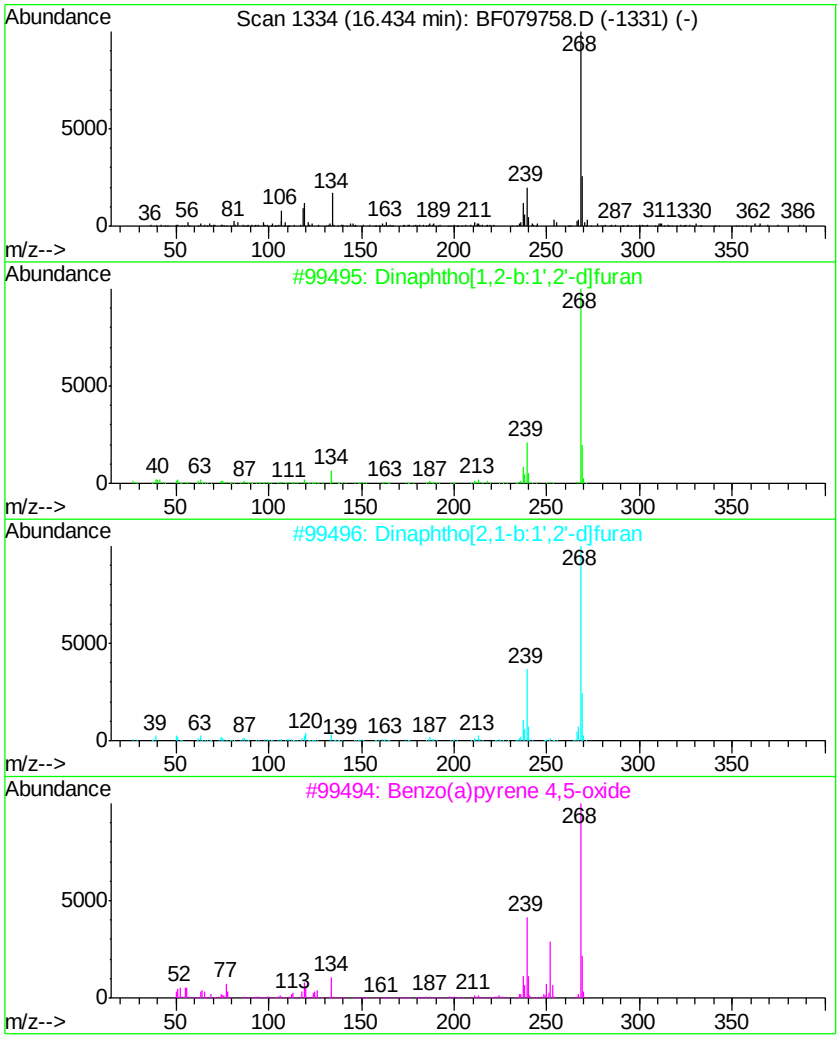
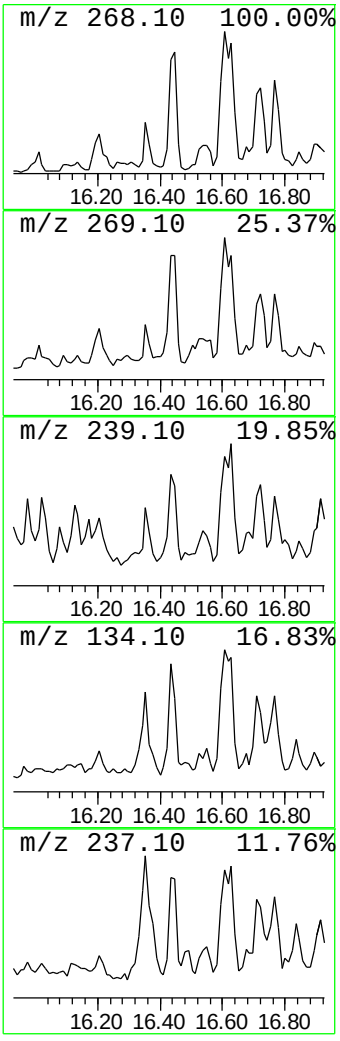
Peak Number 13 Dinaphtho[1,2-b:1',2'-d]furan Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.43	7.44 ng	317265	Perylene-d12	16.91

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dinaphtho[1,2-b:1',2'-d]furan	268	C20H12O	000207-93-2	91
2	Dinaphtho[2,1-b:1',2'-d]furan	268	C20H12O	000194-63-8	72
3	Benzo(a)pyrene 4,5-oxide	268	C20H12O	037574-47-3	59
4	9,10-Anthracenedione, 1,4-diamin...	268	C15H12N2O3	002872-48-2	53
5	4H-1-Benzopyran-4-one, 3-hydroxy...	268	C16H12O4	007478-60-6	50





Data Path : Z:\HPCHEM1\BNA F\DATA\BF060515\
Data File : BF079758.D
Acq On : 6 Jun 2015 6:27
Operator : TP/IZ
Sample : G2450-07 2X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SEC-3.5-SP

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF060515.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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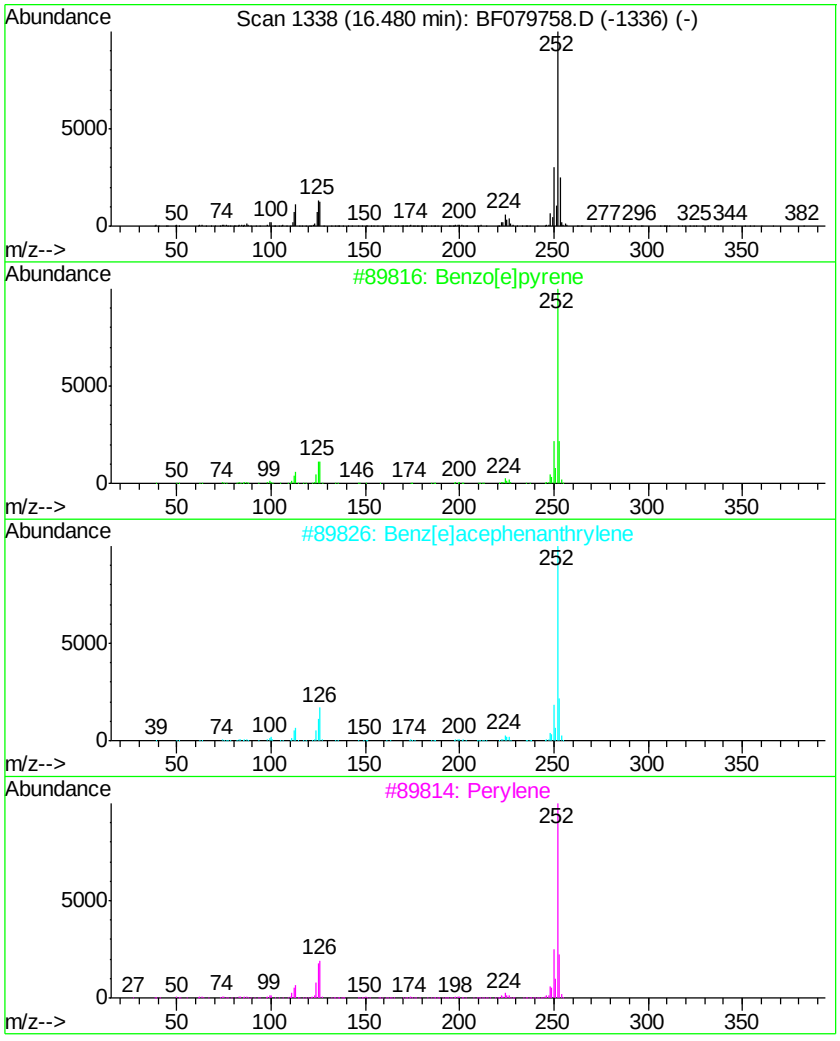
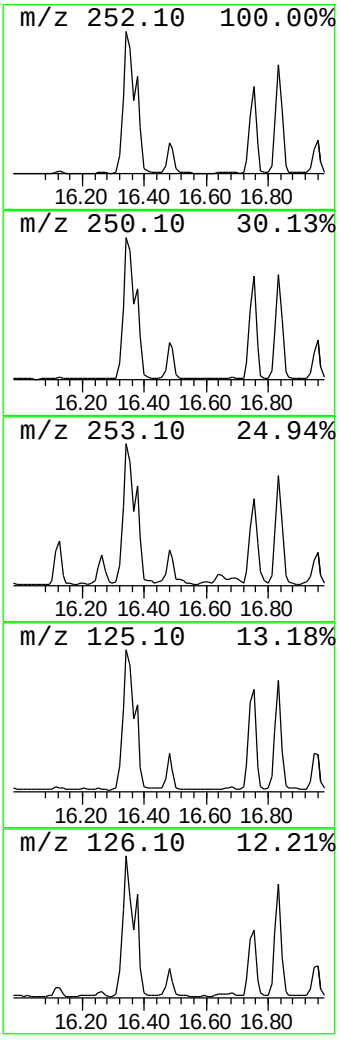
Peak Number 14 Benzo[e]pyrene Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.48	17.29 ng	737603	Perylene-d12	16.91

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	Perylene	252	C20H12	000198-55-0	93
4	Benzo[k]fluoranthene	252	C20H12	000207-08-9	90
5	Benzo[a]pyrene	252	C20H12	000050-32-8	87





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Data File : BF079758.D
Acq On : 6 Jun 2015 6:27
Operator : TP/IZ
Sample : G2450-07 2X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SEC-3.5-SP

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF060515.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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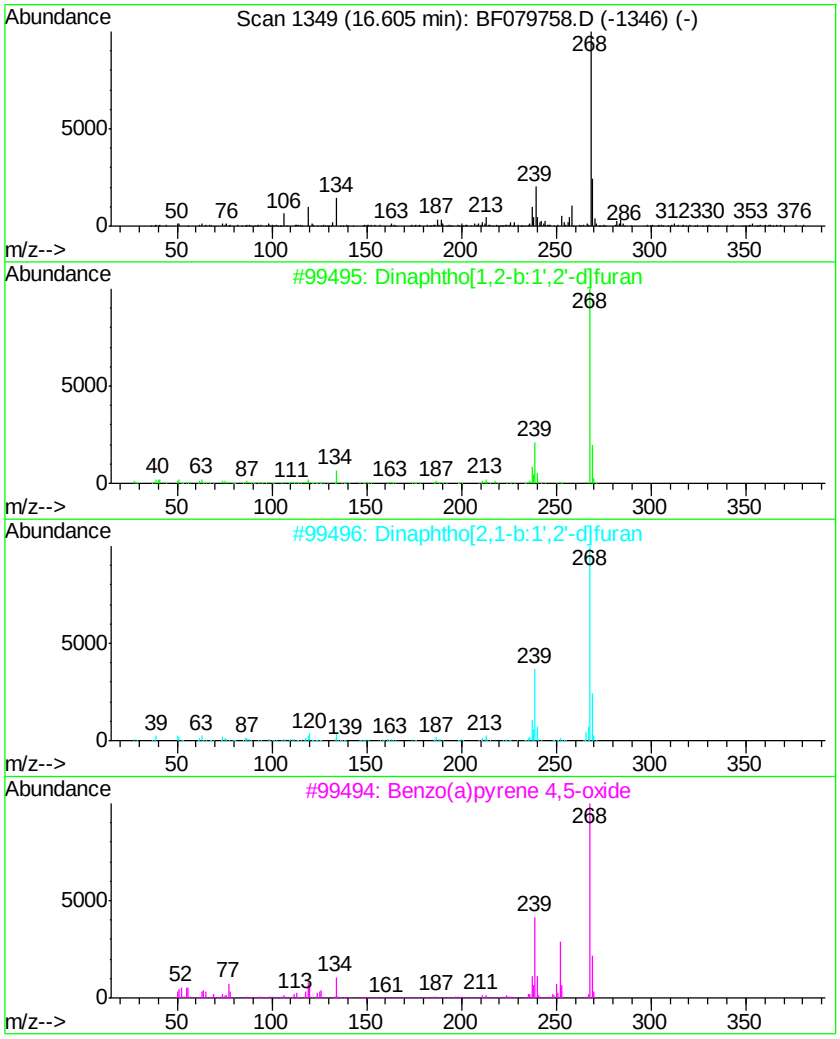
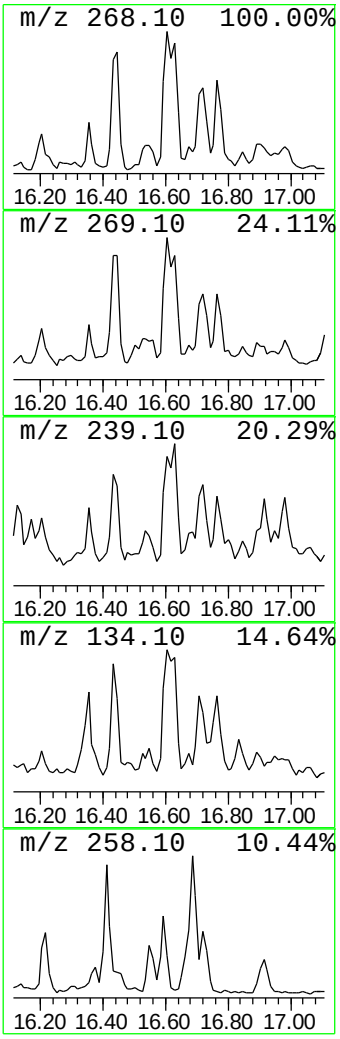
Peak Number 15 Dinaphtho[2,1-b:1',2'-d]furan Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.61	9.95 ng	424396	Perylene-d12	16.91

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dinaphtho[1,2-b:1',2'-d]furan	268	C20H12O	000207-93-2	91
2	Dinaphtho[2,1-b:1',2'-d]furan	268	C20H12O	000194-63-8	83
3	Benzo(a)pyrene 4,5-oxide	268	C20H12O	037574-47-3	83
4	9,10-Anthracenedione, 1,5-dimeth...	268	C16H12O4	006448-90-4	59
5	4H-Dibenz[a,kl]anthracene, 5,6-d...	268	C21H16	007198-87-0	53





Data Path : Z:\HPCHEM1\BNA F\DATA\BF060515\
Data File : BF079758.D
Acq On : 6 Jun 2015 6:27
Operator : TP/IZ
Sample : G2450-07 2X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SEC-3.5-SP

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF060515.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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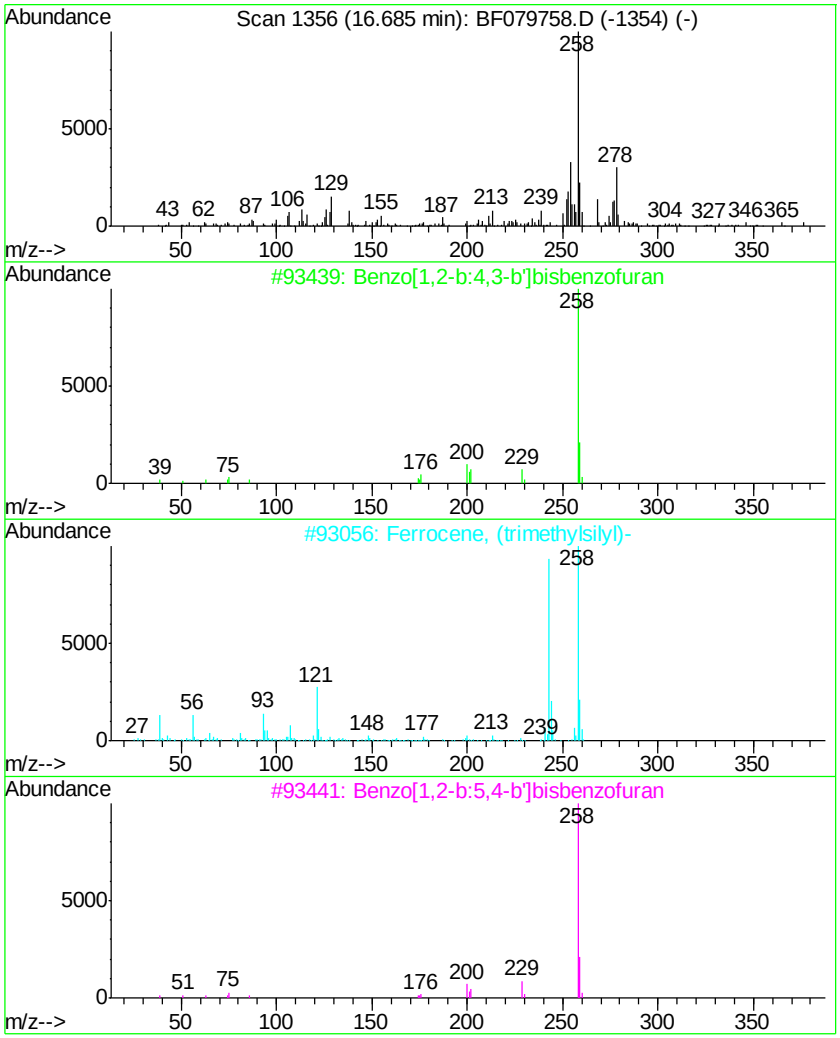
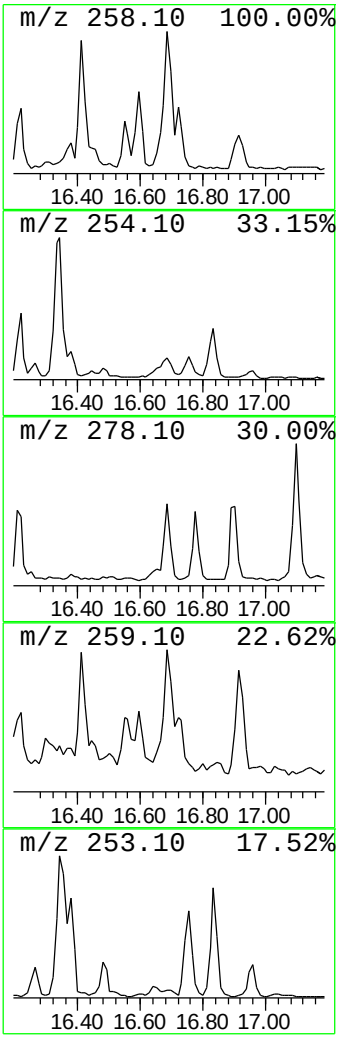
Peak Number 16 unknown16.69 Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.69	5.64 ng	240699	Perylene-d12	16.91

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[1,2-b:4,3-b']bisbenzofuran	258	C18H10O2	000192-93-8	38
2	Ferrocene, (trimethylsilyl)-	258	C13H18FeSi	012215-68-8	38
3	Benzo[1,2-b:5,4-b']bisbenzofuran	258	C18H10O2	000241-36-1	38
4	2',5'-Dimethyl-p-terphenyl	258	C20H18	020260-22-4	37
5	5-Methoxy-benzo[c]phenanthrene	258	C19H14O	004235-03-4	32





Data Path : Z:\HPCHEM1\BNA F\DATA\BF060515\
Data File : BF079758.D
Acq On : 6 Jun 2015 6:27
Operator : TP/IZ
Sample : G2450-07 2X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SEC-3.5-SP

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF060515.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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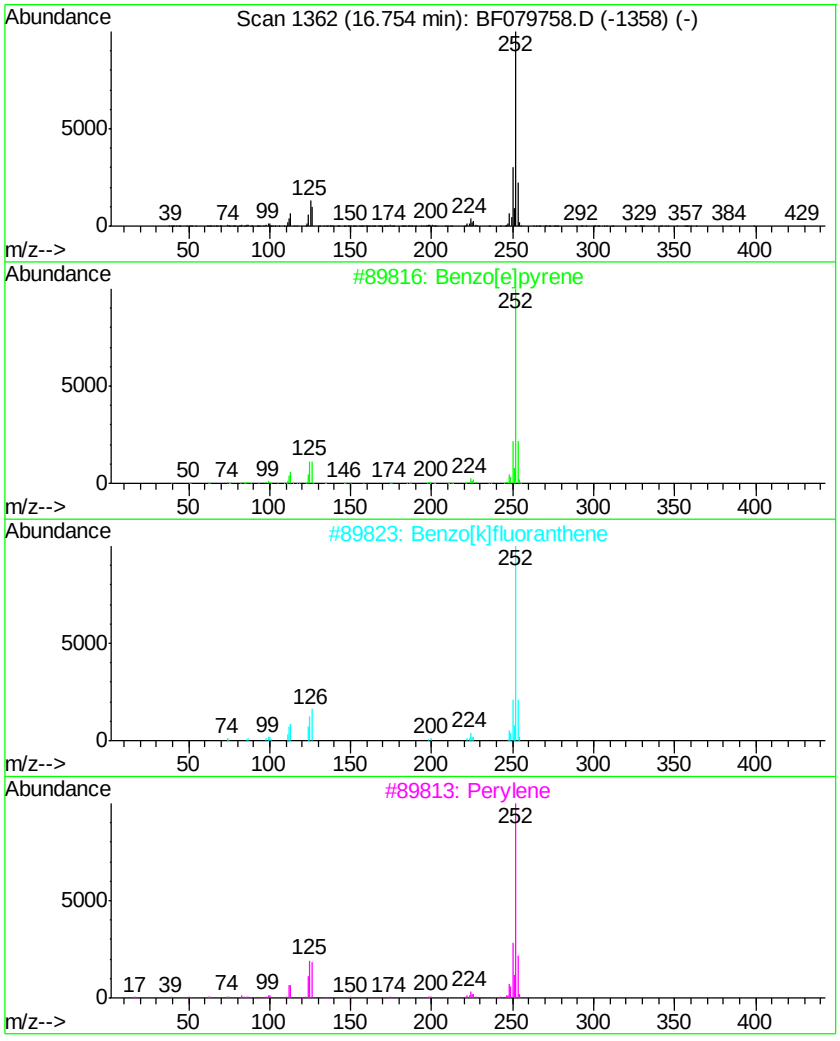
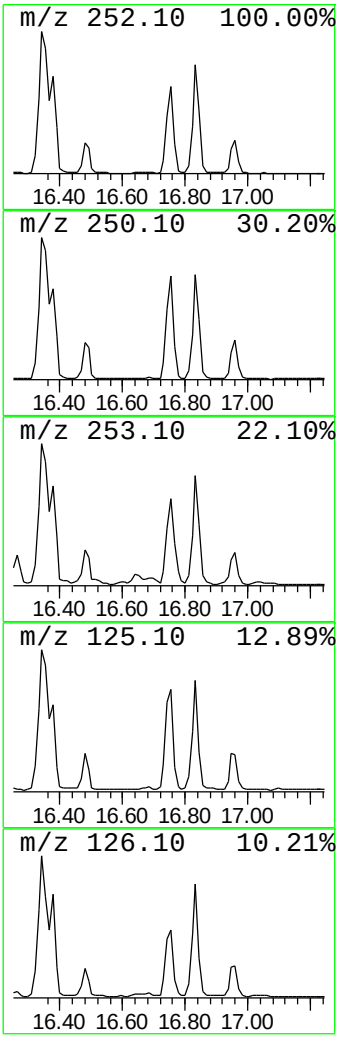
Peak Number 17 Perylene Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.75	51.39 ng	2192240	Perylene-d12	16.91

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	99
2	Benzo[k]fluoranthene	252	C20H12	000207-08-9	97
3	Perylene	252	C20H12	000198-55-0	97
4	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	96
5	Benzo[j]fluoranthene	252	C20H12	000205-82-3	95





Data Path : Z:\HPCHEM1\BNA F\DATA\BF060515\
Data File : BF079758.D
Acq On : 6 Jun 2015 6:27
Operator : TP/IZ
Sample : G2450-07 2X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SEC-3.5-SP

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF060515.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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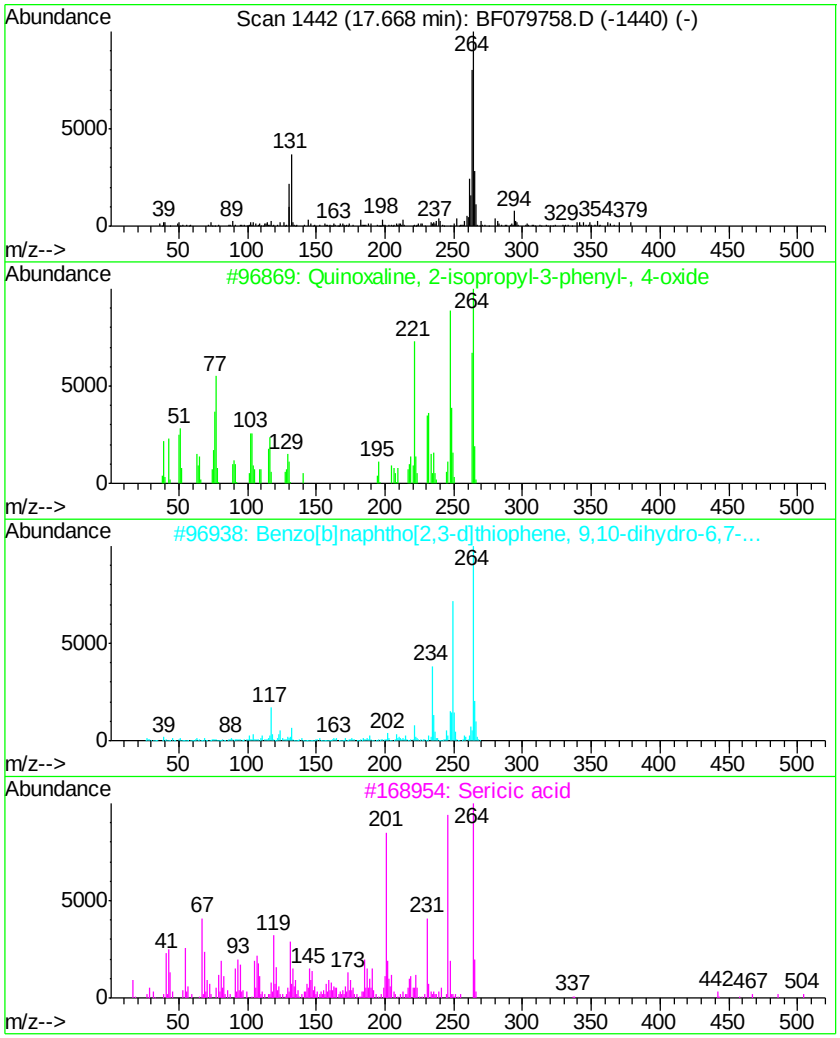
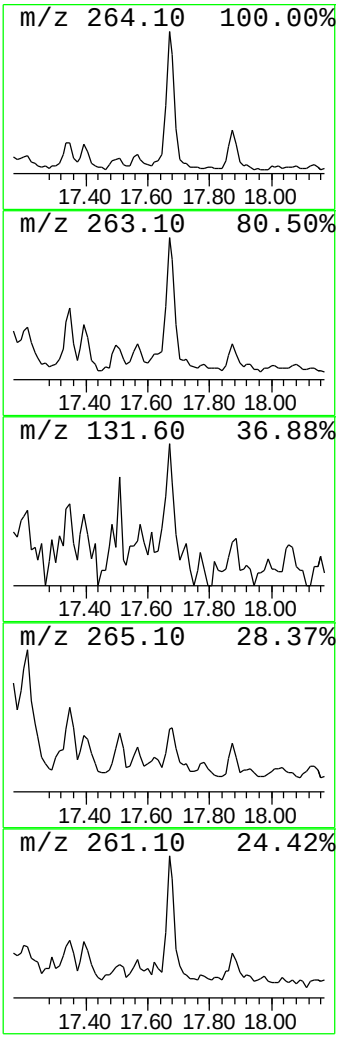
Peak Number 18 unknown17.67 Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.67	4.65 ng	198425	Perylene-d12	16.91

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Quinoxaline, 2-isopropyl-3-phenyl...	264	C17H16N2O	016007-79-7	38
2	Benzo[b]naphtho[2,3-d]thiophene,...	264	C18H16S	024964-02-1	35
3	Sericic acid	504	C30H48O6	055306-03-1	35
4	Lycopodan-5-one, 12-hydroxy-15-m...	263	C16H25NO2	021061-90-5	35
5	Perylene-D12	264	C20D12	001520-96-3	35





Data Path : Z:\HPCHEM1\BNA F\DATA\BF060515\
Data File : BF079758.D
Acq On : 6 Jun 2015 6:27
Operator : TP/IZ
Sample : G2450-07 2X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SEC-3.5-SP

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF060515.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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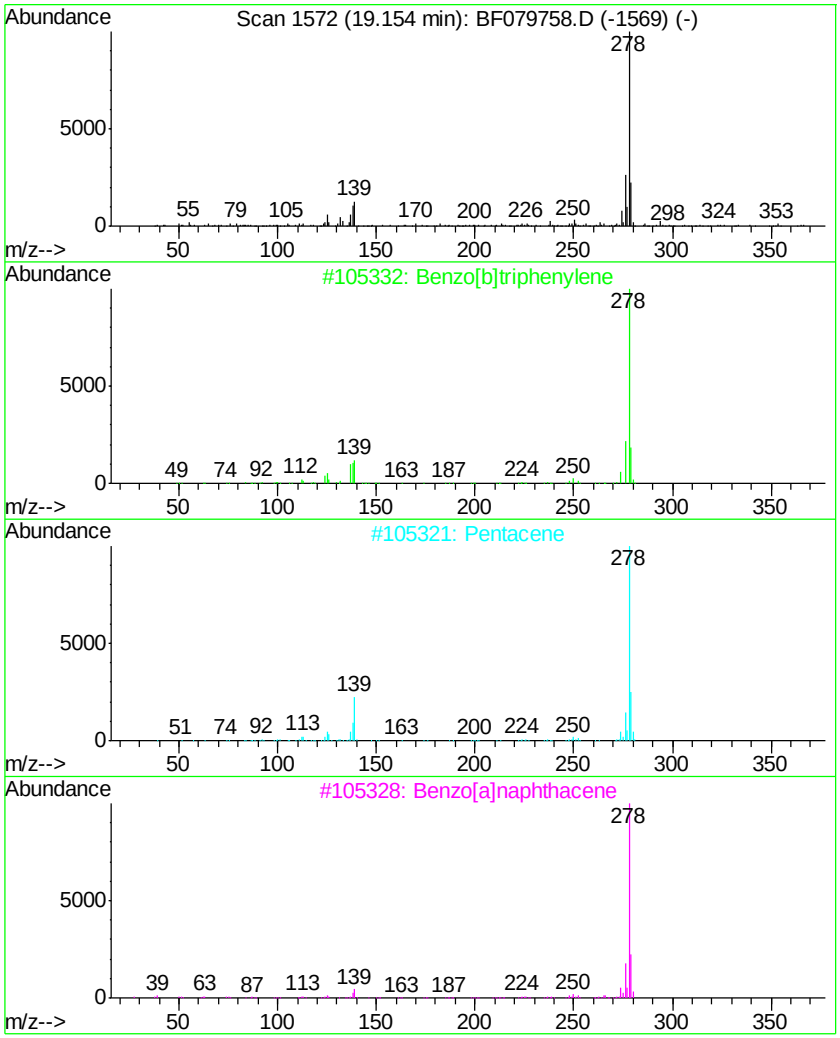
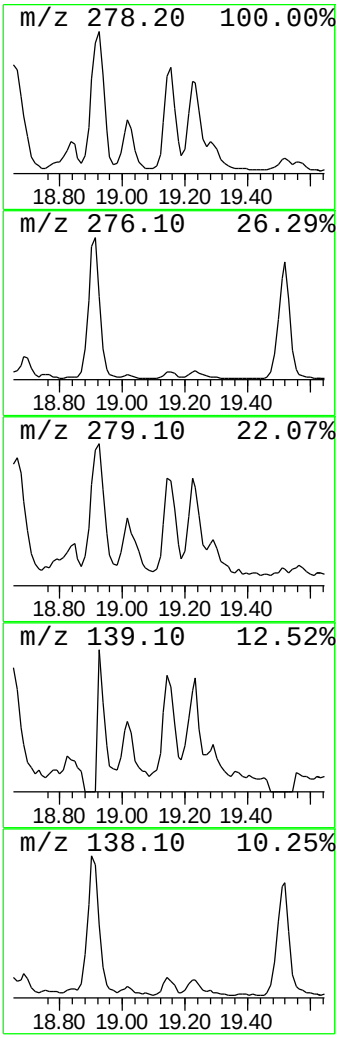
Peak Number 19 Benzo[b]triphenylene Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.15	4.01 ng	171202	Perylene-d12	16.91

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[b]triphenylene	278	C22H14	000215-58-7	95
2	Pentacene	278	C22H14	000135-48-8	94
3	Benzo[a]naphthacene	278	C22H14	000226-88-0	90
4	Benzo[b]chrysene	278	C22H14	000214-17-5	90
5	1,2:7,8-Dibenzophenanthrene	278	C22H14	000213-46-7	90





Data Path : Z:\HPCHEM1\BNA F\DATA\BF060515\
Data File : BF079758.D
Acq On : 6 Jun 2015 6:27
Operator : TP/IZ
Sample : G2450-07 2X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SEC-3.5-SP

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF060515.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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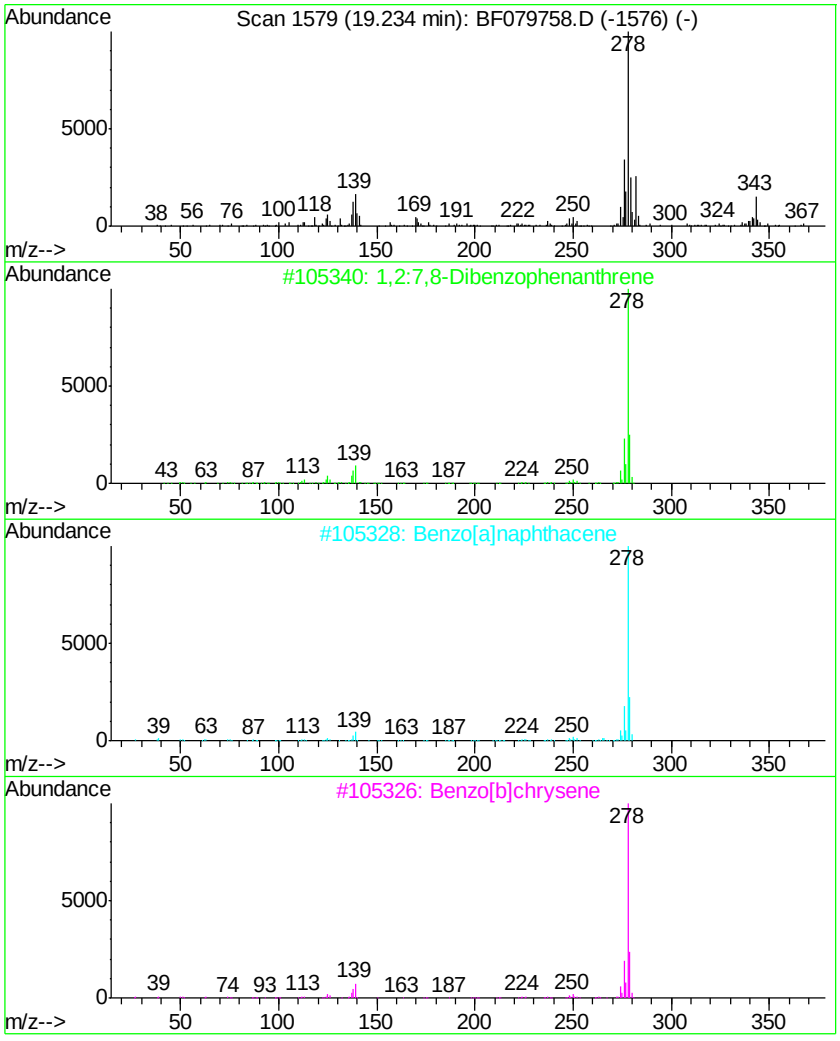
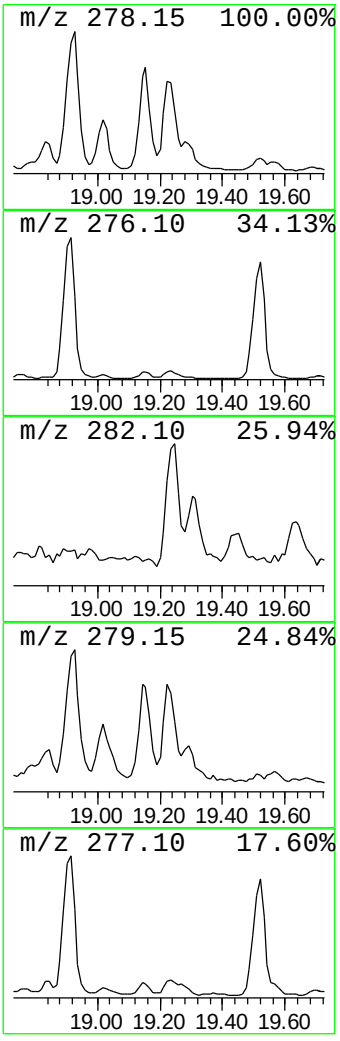
Peak Number 20 1,2:7,8-Dibenzophenanthrene Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.23	4.51 ng	192340	Perylene-d12	16.91

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,2:7,8-Dibenzophenanthrene	278	C22H14	000213-46-7	95
2	Benzo[a]naphthacene	278	C22H14	000226-88-0	91
3	Benzo[b]chrysene	278	C22H14	000214-17-5	91
4	Dibenz[a,h]anthracene	278	C22H14	000053-70-3	91
5	Benzo[b]triphenylene	278	C22H14	000215-58-7	90





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF060515\
Data File : BF079758.D
Acq On : 6 Jun 2015 6:27
Operator : TP/IZ
Sample : G2450-07 2X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SEC-3.5-SP

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF060515.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
Hexane	1.71	389.1	ng	6356810	1	7.50	326718	20.0
Cyclobutane, ethyl-	2.09	22.8	ng	371720	1	7.50	326718	20.0
Cyclohexane	2.63	19.1	ng	312329	1	7.50	326718	20.0
unknown7.26	7.26	44.6	ng	729072	1	7.50	326718	20.0
4H-Cyclopenta[def...	12.71	6.3	ng	560286	4	12.07	1788990	20.0
Fluoranthene, 2-m...	13.95	3.9	ng	1065310	5	14.99	5434040	20.0
3-Phenylthio-2H-c...	16.10	16.0	ng	682940	6	16.91	853220	20.0
Chrysin	16.22	5.6	ng	240256	6	16.91	853220	20.0
Dinaphtho[1,2-b:1...	16.43	7.4	ng	317265	6	16.91	853220	20.0
Benzo[e]pyrene	16.48	17.3	ng	737603	6	16.91	853220	20.0
Dinaphtho[2,1-b:1...	16.61	9.9	ng	424396	6	16.91	853220	20.0
unknown16.69	16.69	5.6	ng	240699	6	16.91	853220	20.0
Perylene	16.75	51.4	ng	2192240	6	16.91	853220	20.0
unknown17.67	17.67	4.7	ng	198425	6	16.91	853220	20.0
Benzo[b]triphenylene	19.15	4.0	ng	171202	6	16.91	853220	20.0
1,2:7,8-Dibenzoph...	19.23	4.5	ng	192340	6	16.91	853220	20.0