Quantitation Report (Not Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF111918\
Data File : BF110859.D
Acq On : 19 Nov 2018 17:59
Operator : JU/SJ
Sample : J5981-05 5X
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : DTW-03(8-10)

Quant Time: Nov 20 00:35:34 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF110818.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Nov 13 12:43:10 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.94	152	59205	20.00	ng		0.00
21) Naphthalene-d8	8.22	136	246440	20.00	ng		0.00
39) Acenaphthene-d10	9.98	164	111606	20.00	ng		-0.01
64) Phenanthrene-d10	11.48	188	169433	20.00	ng		0.00
76) Chrysene-d12	14.14	240	139363	20.00	ng		0.00
87) Perylene-d12	15.66	264	100653	20.00	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.56	112	61686	16.92	ng		0.00
7) Phenol-d6	6.57	99	81769	17.54	ng		0.00
23) Nitrobenzene-d5	7.50	82	52324	12.23	ng		-0.01
42) 2,4,6-Tribromophenol	10.78	330	15721	13.98	ng		0.00
45) 2-Fluorobiphenyl	9.29	172	92109	11.79	ng		-0.01
79) Terphenyl-d14	13.06	244	72482	9.74	ng		-0.01
Target Compounds							Qvalue
9) Benzaldehyde	6.51	77	2155	Below Cal		#	83
19) n-Nitroso-di-n-propylamine	7.50	70	6977	2.345	ng	#	81
25) Isophorone	7.50	82	52324	7.460	ng	#	67
31) Naphthalene	8.25	128	970618	83.898	ng		99
33) 4-Chloroaniline	8.25	127	127961	24.419	ng	#	31
37) 2-Methylnaphthalene	9.03	142	60333	7.955	ng		96
38) 1-Methylnaphthalene	9.03	142	60333	8.272	ng	#	99
46) 1,1'-Biphenyl	9.40	154	63261	6.076	ng		99
49) Acenaphthylene	9.85	152	132788	12.293	ng		99
52) Acenaphthene	10.02	154	18299	2.681	ng	#	90
53) 3-Nitroaniline	10.19	138	6518	3.071	ng	#	9
54) 2,4-Dinitrophenol	10.05	184	129	4.868	ng	#	30
55) Dibenzofuran	10.19	168	384831	38.531	ng		97
56) 4-Nitrophenol	10.19	139	153010	108.668	ng	#	7
58) Fluorene	10.53	166	342899	44.698	ng		99
71) Phenanthrene	11.52	178	1849765	203.778	ng		99
72) Anthracene	11.56	178	466868	50.986	ng		98
73) Carbazole	11.72	167	39081	4.444	ng		97
75) Fluoranthene	12.71	202	1004677	110.396	ng		99
78) Pyrene	12.94	202	732272	68.241	ng		99
81) Benzo(a)anthracene	14.13	228	507937	60.978	ng		98
83) Chrysene	14.16	228	393703	49.610	ng		99
86) Indeno(1,2,3-cd)pyrene	17.24	276	133649	23.469	ng		97
88) Benzo(b)fluoranthene	15.22	252	549791	91.306	ng		97
89) Benzo(k)fluoranthene	15.22	252	549791	92.404	ng	#	96
90) Benzo(a)pyrene	15.60	252	244222	44.640	ng		98
91) Dibenzo(a,h)anthracene	17.42	278	33876	7.317	ng		96
92) Benzo(g,h,i)perylene	17.73	276	111147	24.196	ng		99

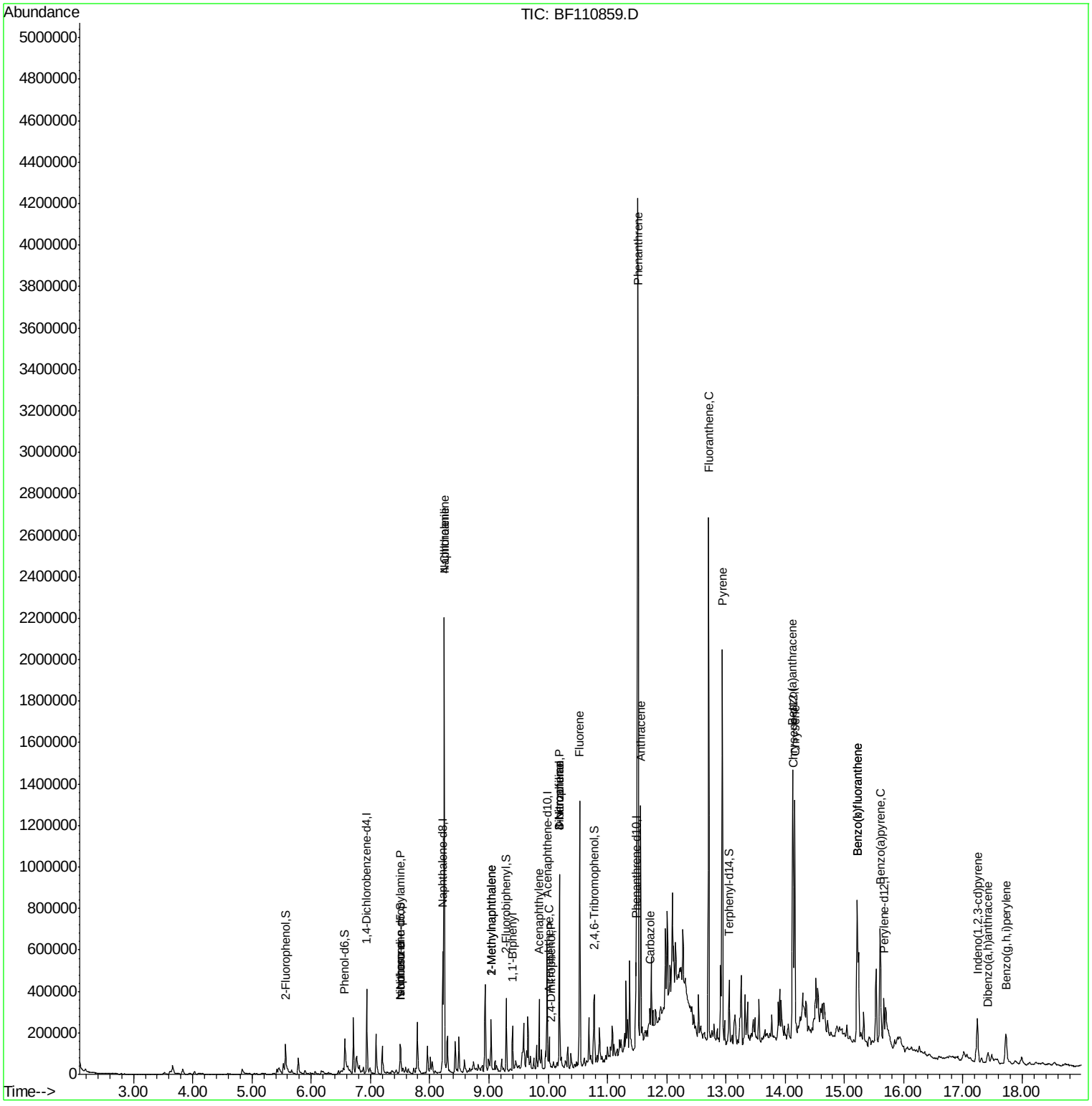
(#) = qualifier out of range (m) = manual integration (+) = signals summed

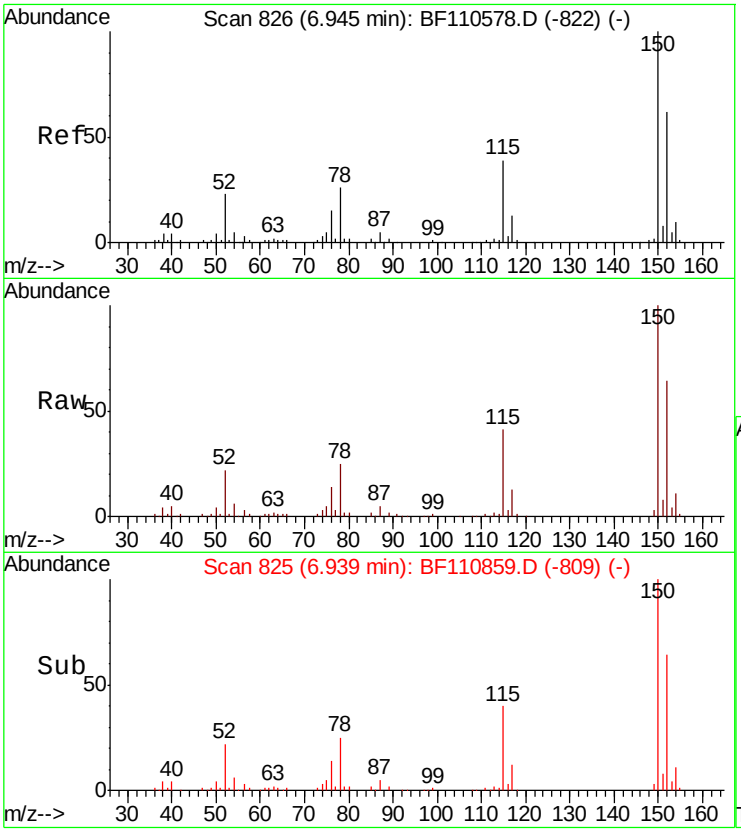
Quantitation Report (Not Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF111918\
Data File : BF110859.D
Acq On : 19 Nov 2018 17:59
Operator : JU/SJ
Sample : J5981-05 5X
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DTW-03(8-10)

Quant Time: Nov 20 00:35:34 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF110818.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Nov 13 12:43:10 2018
Response via : Initial Calibration



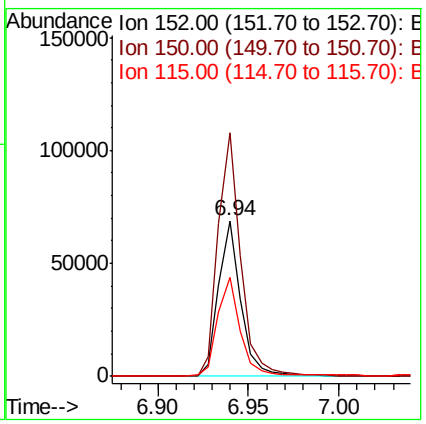


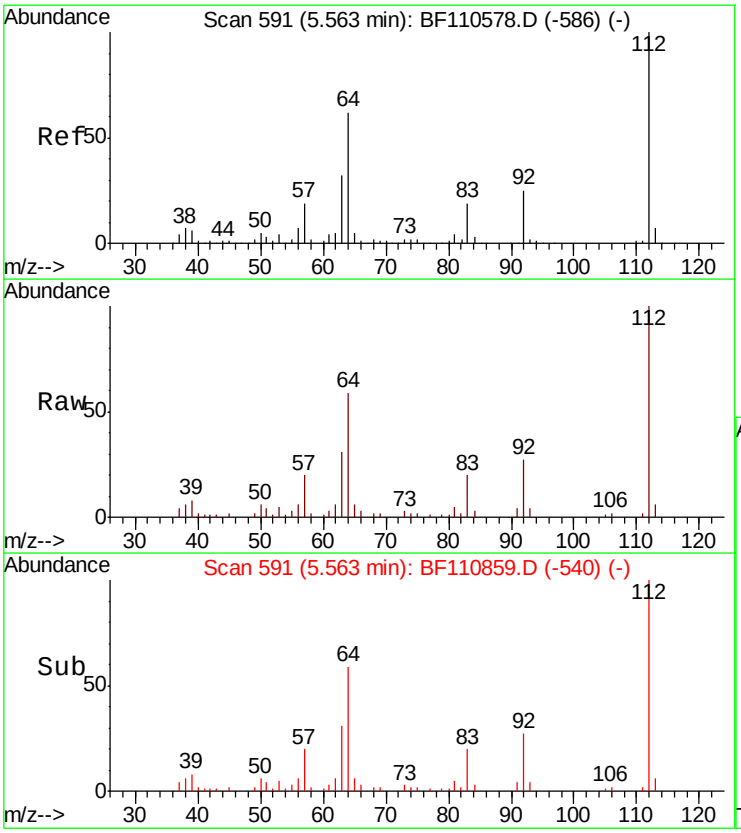
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.94 min Scan# 825
Delta R.T. -0.01 min
Lab File: BF110859.D
Acq: 19 Nov 2018 17:59

Instrument :
BNA_F
ClientSampleId :
DTW-03(8-10)

Tgt Ion:152 Resp: 59205

Ion	Ratio	Lower	Upper
152	100		
150	156.6	122.7	184.1
115	63.6	49.1	73.7

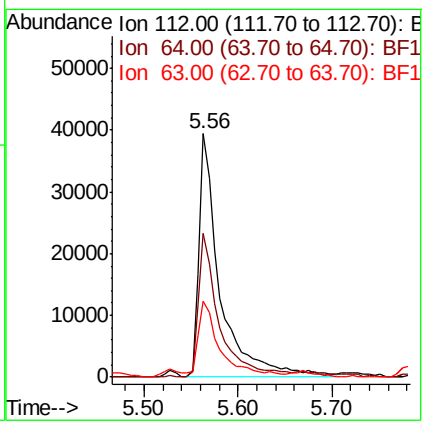


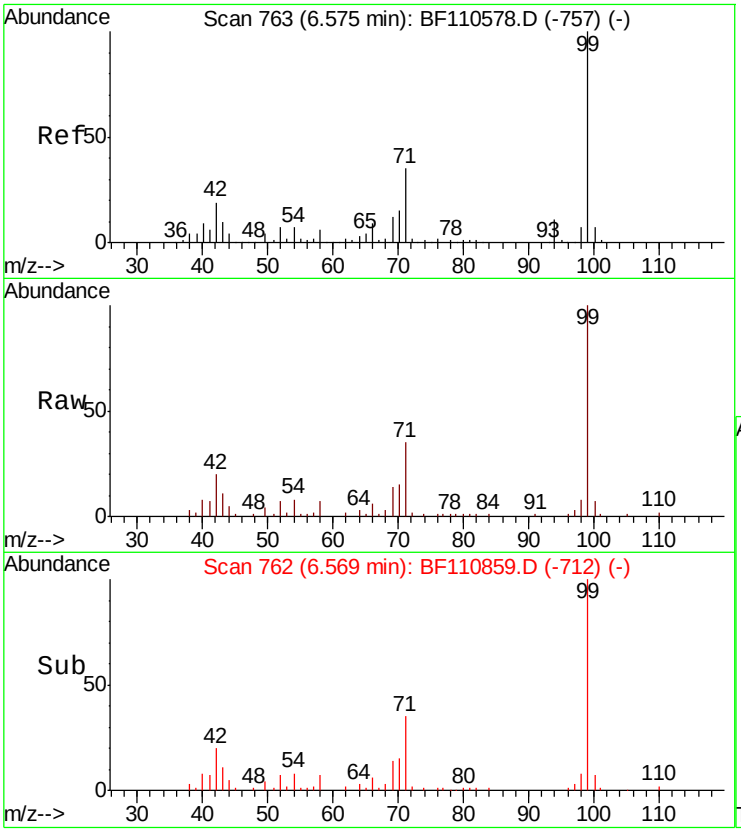


#5
2-Fluorophenol
Concen: 16.924 ng
RT: 5.56 min Scan# 591
Delta R.T. 0.00 min
Lab File: BF110859.D
Acq: 19 Nov 2018 17:59

Tgt Ion:112 Resp: 61686

Ion	Ratio	Lower	Upper
112	100		
64	58.9	44.1	66.1
63	31.0	23.7	35.5



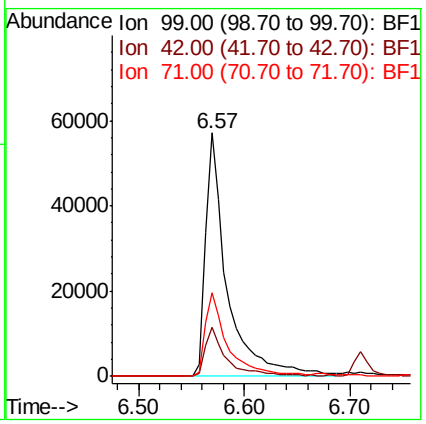


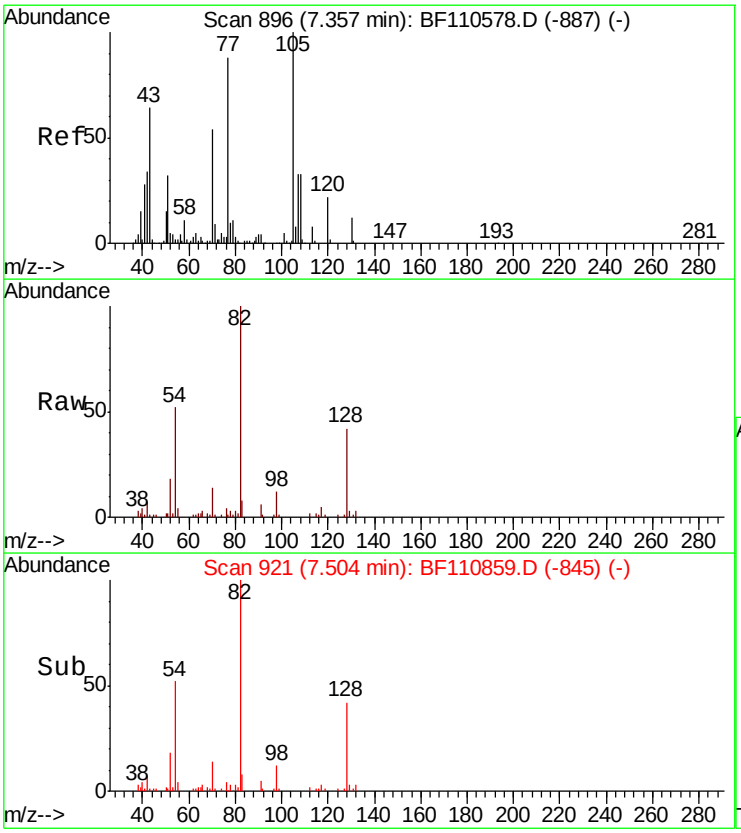
#7
Phenol-d6
Concen: 17.543 ng
RT: 6.57 min Scan# 762
Delta R.T. -0.01 min
Lab File: BF110859.D
Acq: 19 Nov 2018 17:59

Instrument :
BNA_F
ClientSampleId :
DTW-03(8-10)

Tgt Ion: 99 Resp: 81769

Ion	Ratio	Lower	Upper
99	100		
42	20.3	15.8	23.6
71	34.6	28.0	42.0

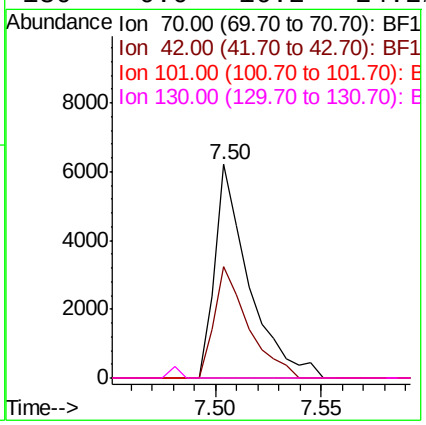


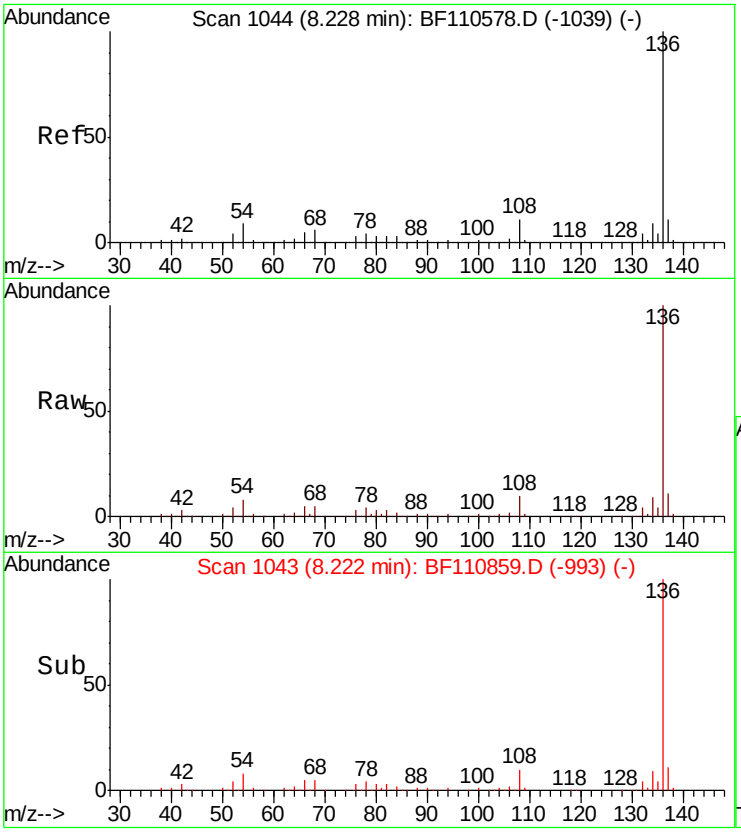


#19
n-Nitroso-di-n-propylamine
Concen: 2.345 ng
RT: 7.50 min Scan# 921
Delta R.T. 0.15 min
Lab File: BF110859.D
Acq: 19 Nov 2018 17:59

Tgt Ion: 70 Resp: 6977

Ion	Ratio	Lower	Upper
70	100		
42	51.9	47.4	71.2
101	0.0	7.3	10.9#
130	0.0	16.2	24.2#



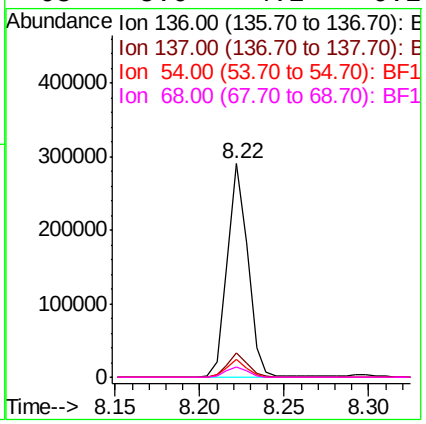


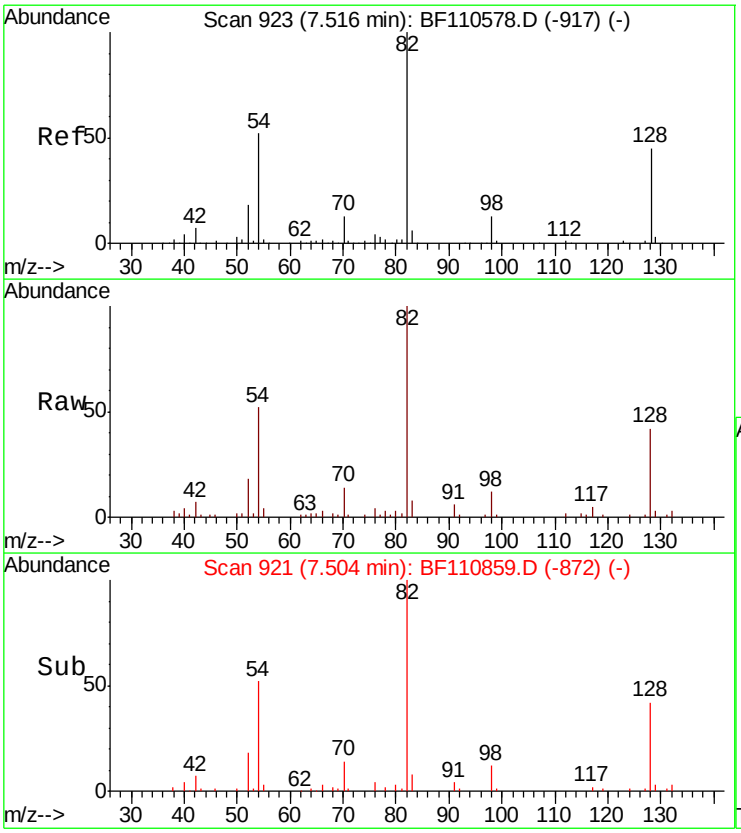
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.22 min Scan# 1043
Delta R.T. -0.01 min
Lab File: BF110859.D
Acq: 19 Nov 2018 17:59

Instrument :
BNA_F
ClientSampleId :
DTW-03(8-10)

Tgt Ion:136 Resp: 246440

Ion	Ratio	Lower	Upper
136	100		
137	11.4	8.8	13.2
54	8.1	5.4	8.2
68	5.0	4.2	6.2

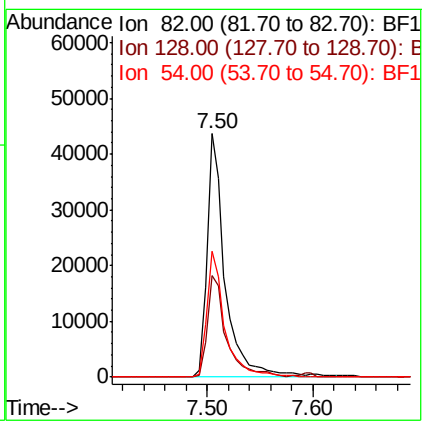


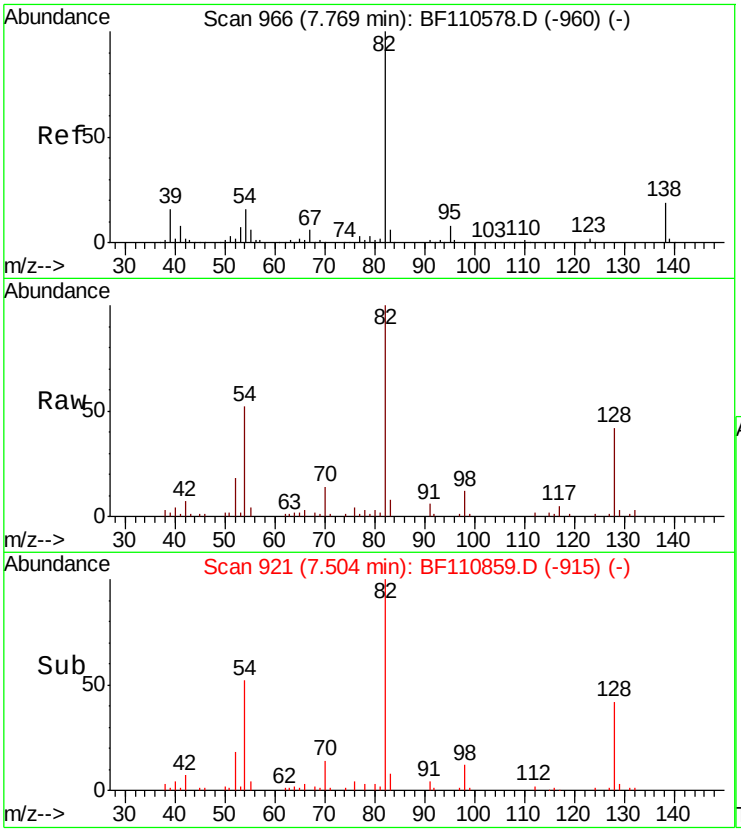


#23
Nitrobenzene-d5
Concen: 12.227 ng
RT: 7.50 min Scan# 921
Delta R.T. -0.01 min
Lab File: BF110859.D
Acq: 19 Nov 2018 17:59

Tgt Ion: 82 Resp: 52324

Ion	Ratio	Lower	Upper
82	100		
128	41.7	34.2	51.2
54	51.7	38.6	58.0



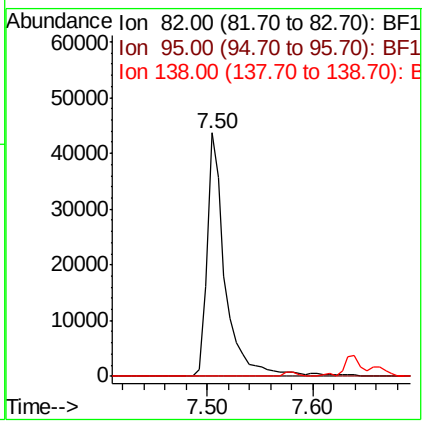


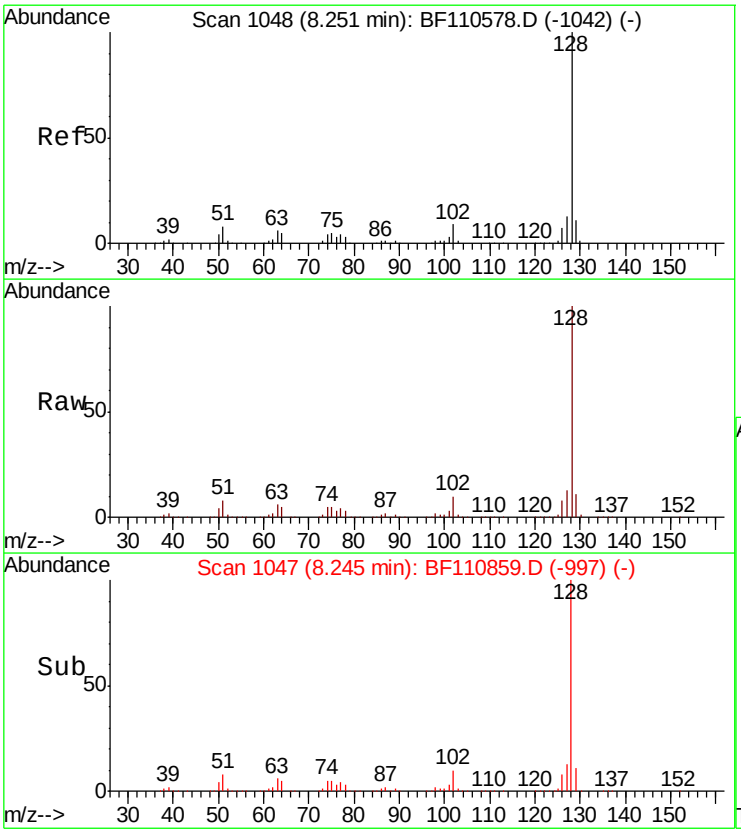
#25
Isophorone
Concen: 7.460 ng
RT: 7.50 min Scan# 921
Delta R.T. -0.26 min
Lab File: BF110859.D
Acq: 19 Nov 2018 17:59

Instrument :
BNA_F
ClientSampleId :
DTW-03(8-10)

Tgt Ion: 82 Resp: 52324

Ion	Ratio	Lower	Upper
82	100		
95	0.0	5.7	8.5#
138	0.0	13.2	19.8#

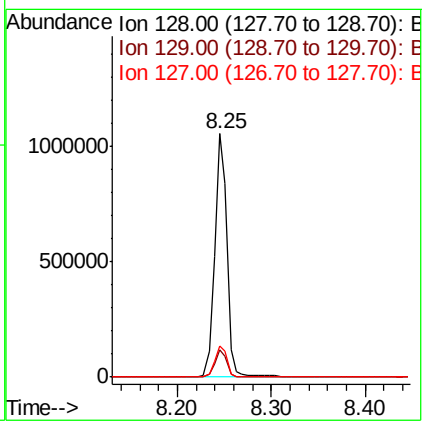


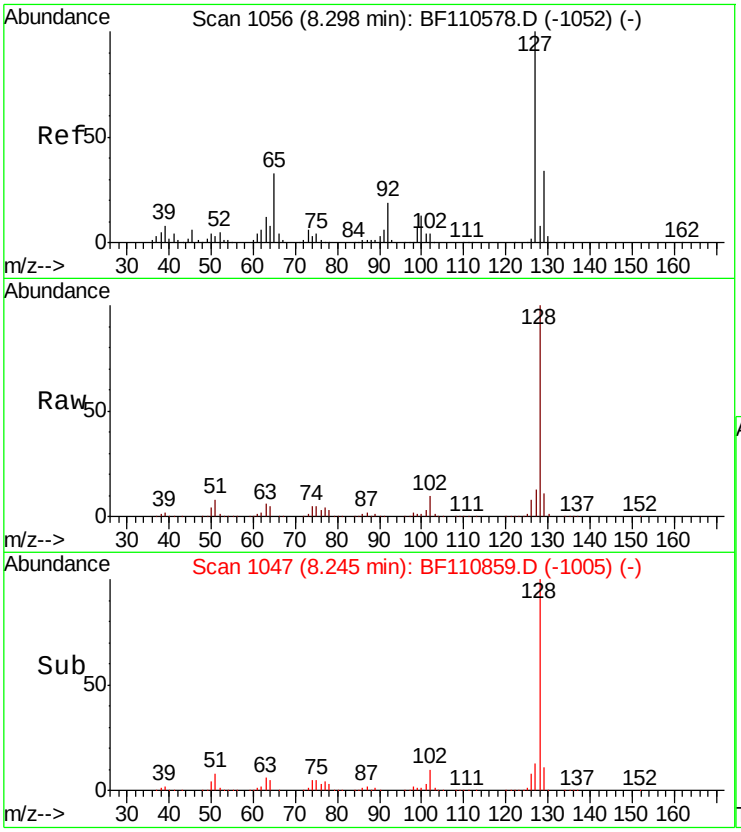


#31
Naphthalene
Concen: 83.898 ng
RT: 8.25 min Scan# 1047
Delta R.T. -0.01 min
Lab File: BF110859.D
Acq: 19 Nov 2018 17:59

Tgt Ion:128 Resp: 970618

Ion	Ratio	Lower	Upper
128	100		
129	11.3	8.8	13.2
127	13.0	10.8	16.2



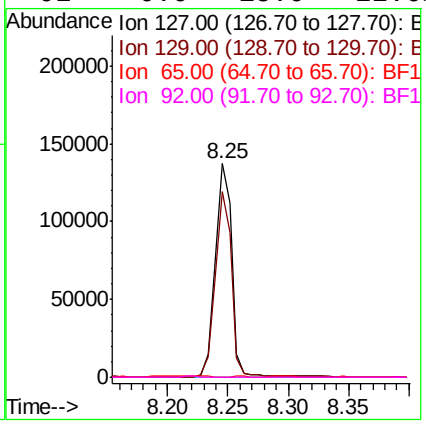


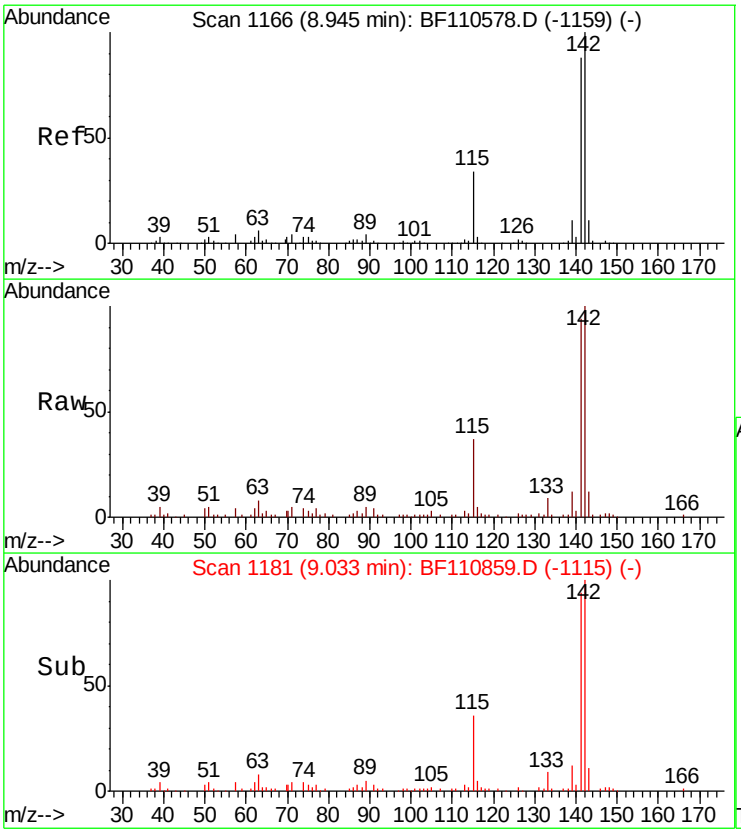
#33
4-Chloroaniline
Concen: 24.419 ng
RT: 8.25 min Scan# 1047
Delta R.T. -0.05 min
Lab File: BF110859.D
Acq: 19 Nov 2018 17:59

Instrument :
BNA_F
ClientSampleId :
DTW-03(8-10)

Tgt Ion:127 Resp: 127961

Ion	Ratio	Lower	Upper
127	100		
129	86.9	26.0	39.0#
65	0.0	25.1	37.7#
92	0.0	15.0	22.6#

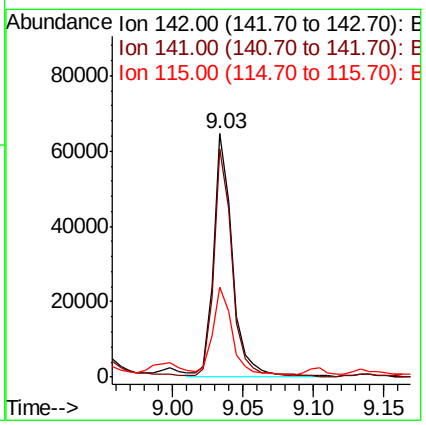


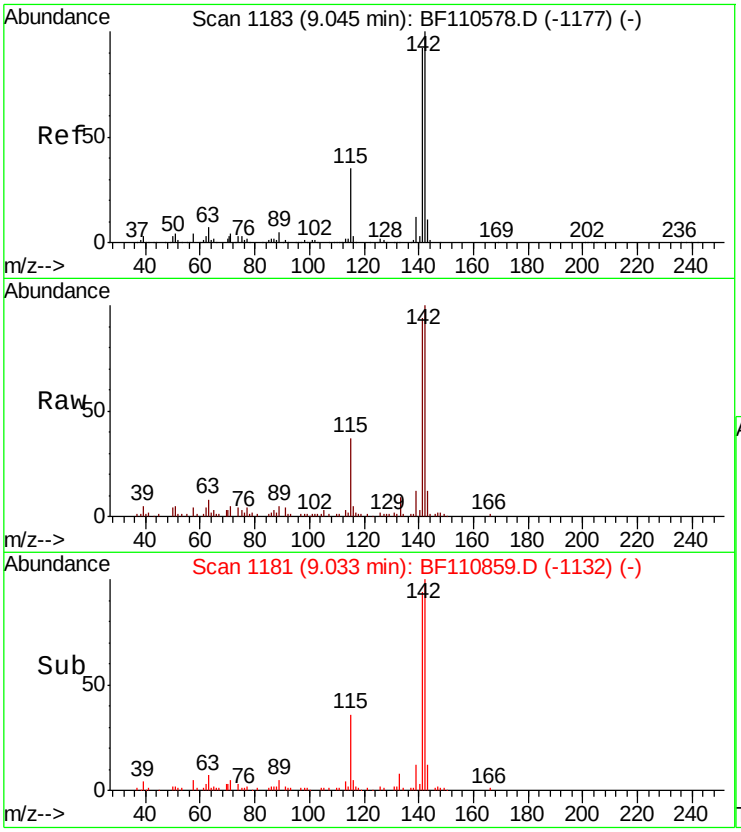


#37
2-Methylnaphthalene
Concen: 7.955 ng
RT: 9.03 min Scan# 1181
Delta R.T. 0.09 min
Lab File: BF110859.D
Acq: 19 Nov 2018 17:59

Tgt Ion:142 Resp: 60333

Ion	Ratio	Lower	Upper
142	100		
141	93.8	71.4	107.2
115	37.2	28.7	43.1



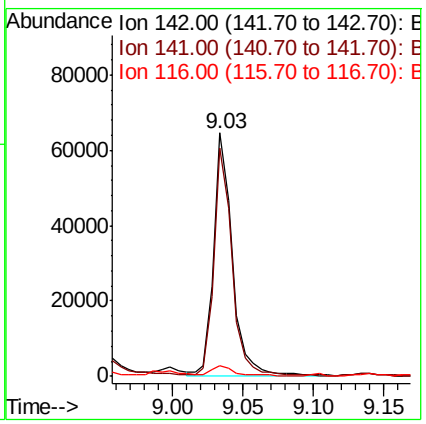


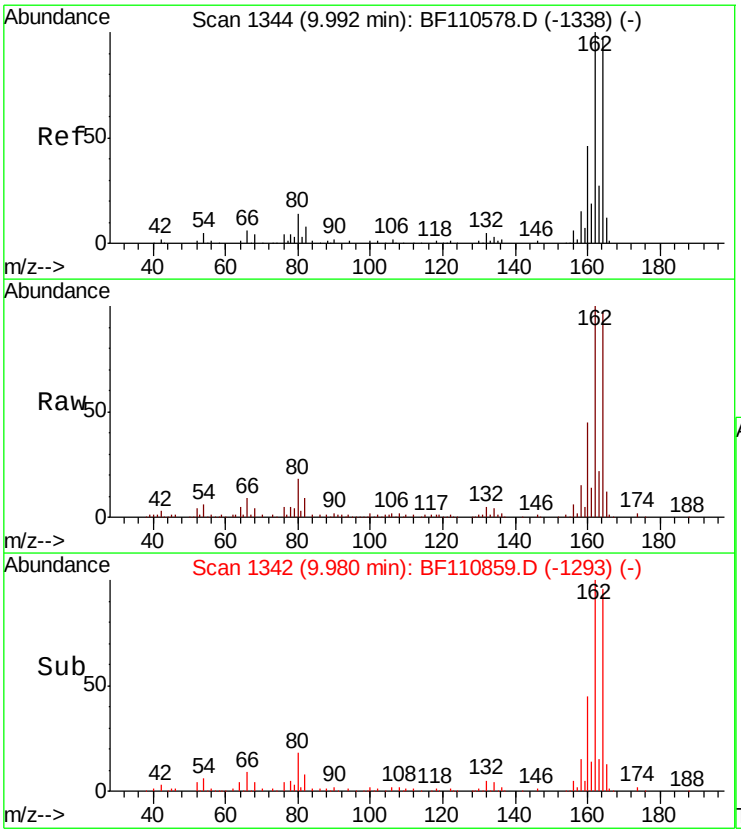
#38
1-Methylnaphthalene
Concen: 8.272 ng
RT: 9.03 min Scan# 1181
Delta R.T. -0.01 min
Lab File: BF110859.D
Acq: 19 Nov 2018 17:59

Instrument :
BNA_F
ClientSampleId :
DTW-03(8-10)

Tgt Ion:142 Resp: 60333

Ion	Ratio	Lower	Upper
142	100		
141	93.8	74.2	111.4
116	4.6	2.6	4.0#

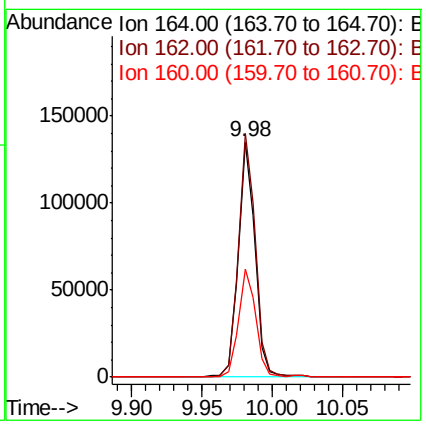


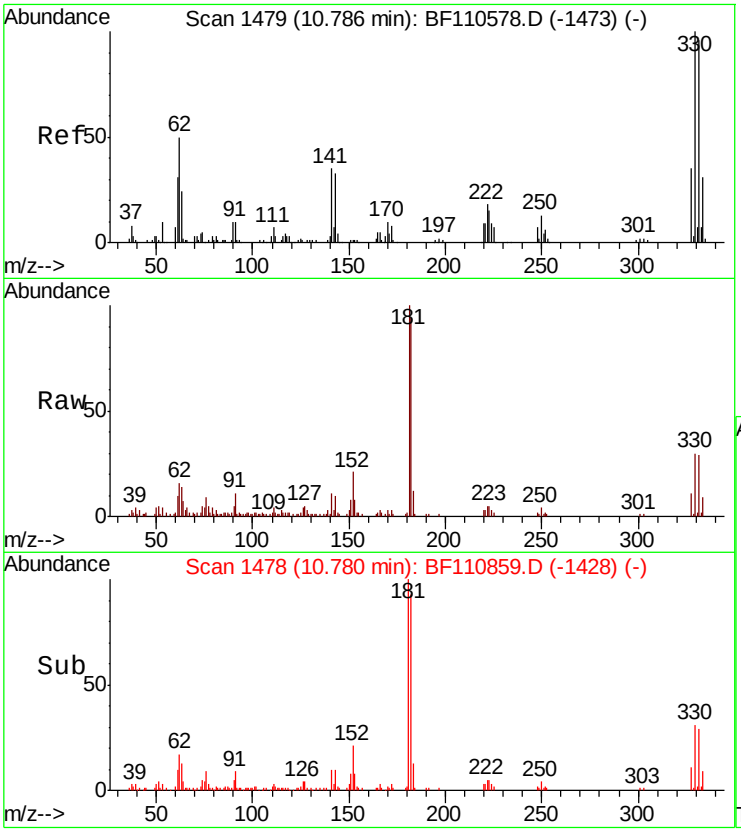


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.98 min Scan# 1342
Delta R.T. -0.01 min
Lab File: BF110859.D
Acq: 19 Nov 2018 17:59

Tgt Ion:164 Resp: 111606

Ion	Ratio	Lower	Upper
164	100		
162	103.5	83.0	124.6
160	46.1	37.0	55.6



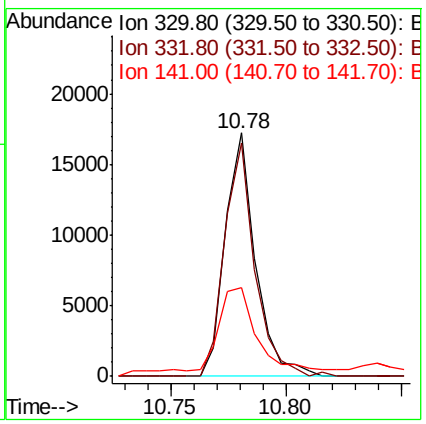


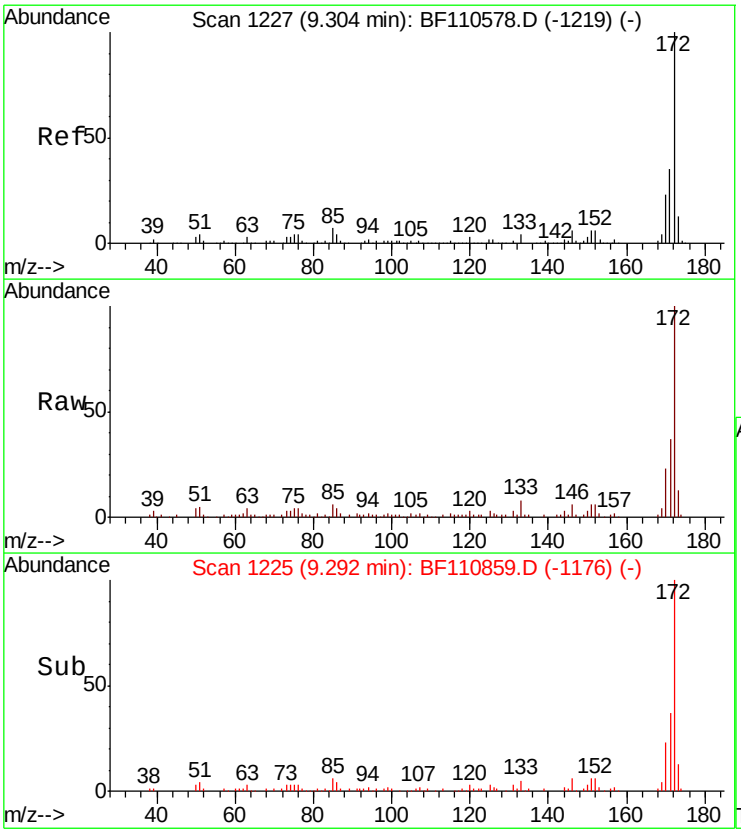
#42
2,4,6-Tribromophenol
Concen: 13.980 ng
RT: 10.78 min Scan# 1478
Delta R.T. -0.01 min
Lab File: BF110859.D
Acq: 19 Nov 2018 17:59

Instrument :
BNA_F
ClientSampleId :
DTW-03(8-10)

Tgt Ion:330 Resp: 15721

Ion	Ratio	Lower	Upper
330	100		
332	96.0	77.1	115.7
141	54.2	27.0	40.4#

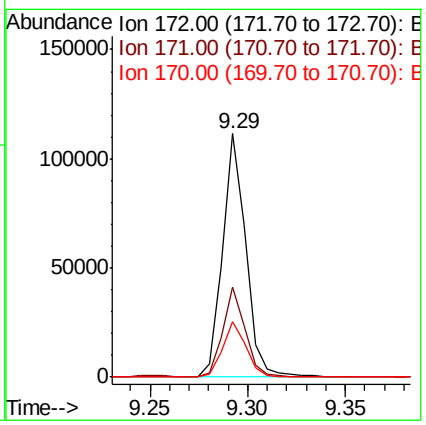


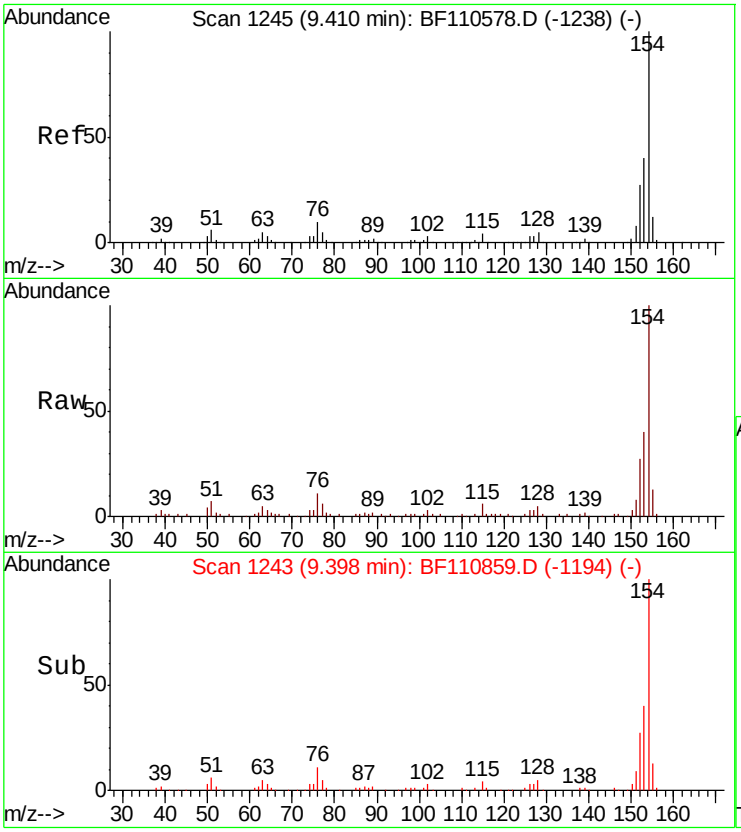


#45
2-Fluorobiphenyl
Concen: 11.787 ng
RT: 9.29 min Scan# 1225
Delta R.T. -0.01 min
Lab File: BF110859.D
Acq: 19 Nov 2018 17:59

Tgt Ion:172 Resp: 92109

Ion	Ratio	Lower	Upper
172	100		
171	37.0	28.6	43.0
170	23.0	19.7	29.5



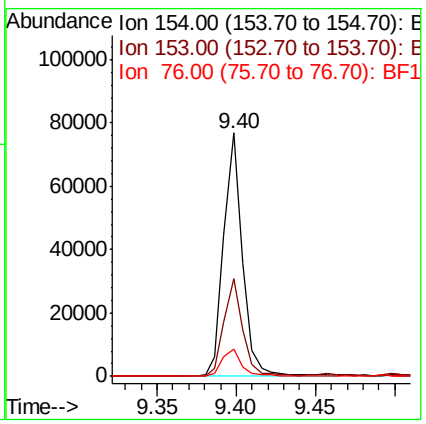


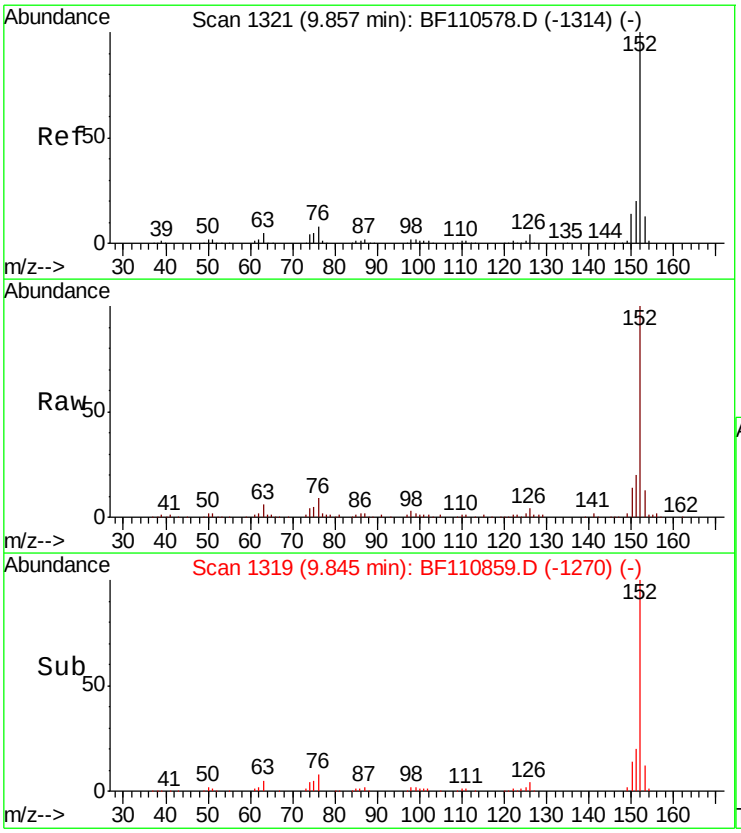
#46
1,1'-Biphenyl
Concen: 6.076 ng
RT: 9.40 min Scan# 1243
Delta R.T. -0.01 min
Lab File: BF110859.D
Acq: 19 Nov 2018 17:59

Instrument :
BNA_F
ClientSampleId :
DTW-03(8-10)

Tgt Ion:154 Resp: 63261

Ion	Ratio	Lower	Upper
154	100		
153	40.2	20.4	60.4
76	11.0	0.0	31.9

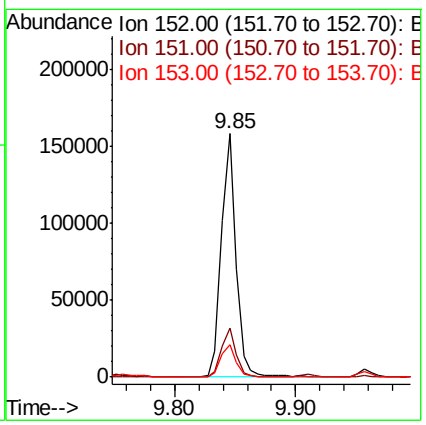


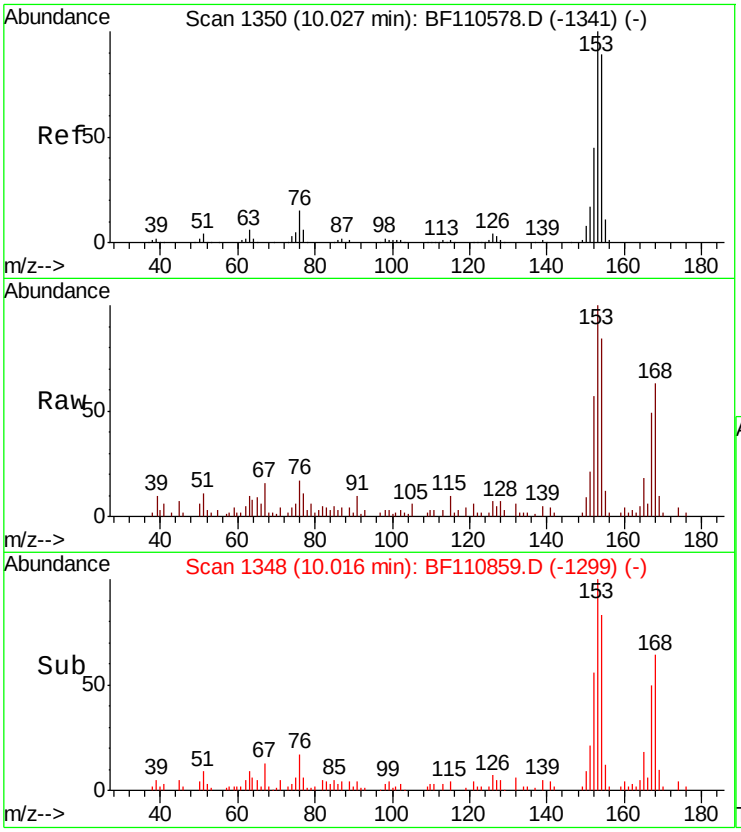


#49
Acenaphthylene
Concen: 12.293 ng
RT: 9.85 min Scan# 1319
Delta R.T. -0.01 min
Lab File: BF110859.D
Acq: 19 Nov 2018 17:59

Tgt Ion:152 Resp: 132788

Ion	Ratio	Lower	Upper
152	100		
151	20.0	15.8	23.8
153	13.3	10.4	15.6



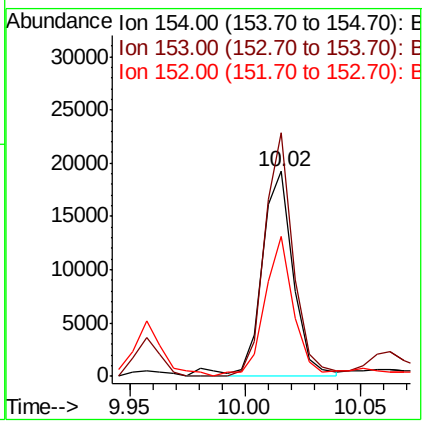


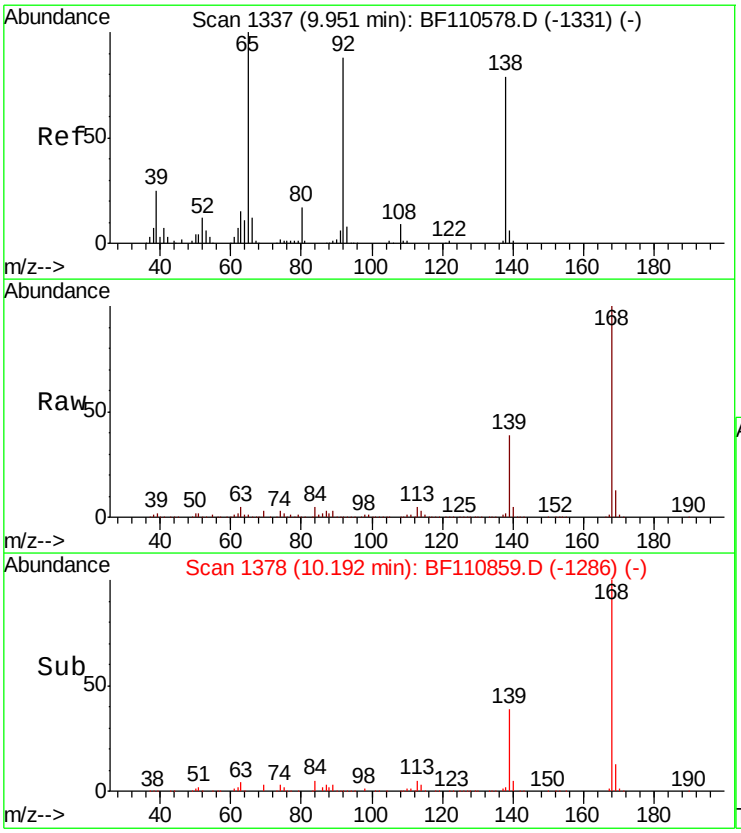
#52
Acenaphthene
Concen: 2.681 ng
RT: 10.02 min Scan# 1348
Delta R.T. -0.01 min
Lab File: BF110859.D
Acq: 19 Nov 2018 17:59

Instrument :
BNA_F
ClientSampleId :
DTW-03(8-10)

Tgt Ion:154 Resp: 18299

Ion	Ratio	Lower	Upper
154	100		
153	118.9	90.1	135.1
152	68.3	43.4	65.2#

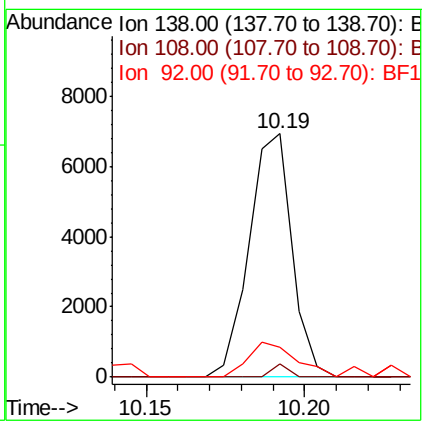


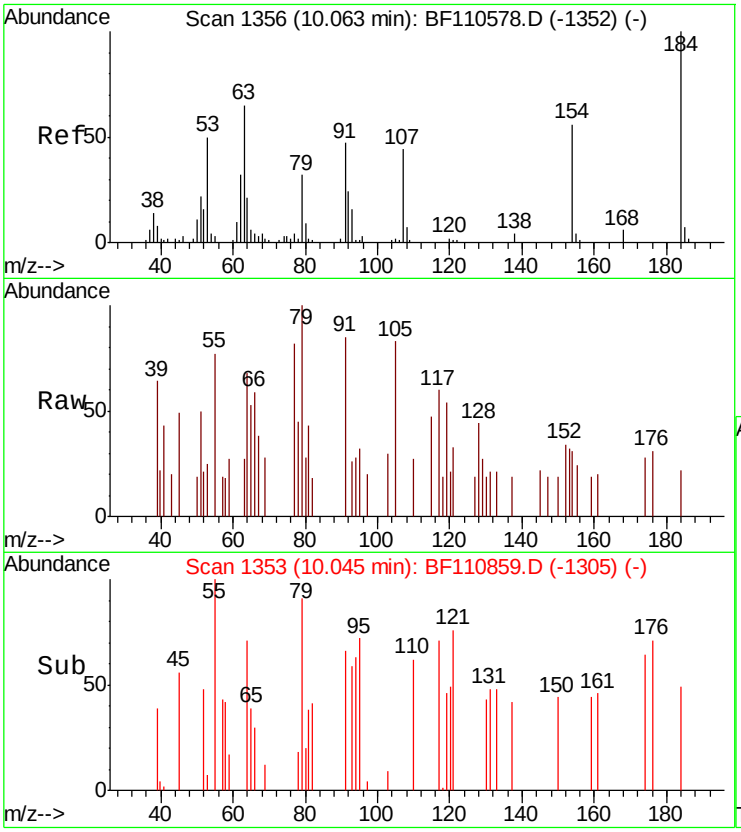


#53
3-Nitroaniline
Concen: 3.071 ng
RT: 10.19 min Scan# 1378
Delta R.T. 0.24 min
Lab File: BF110859.D
Acq: 19 Nov 2018 17:59

Tgt Ion:138 Resp: 6518

Ion	Ratio	Lower	Upper
138	100		
108	5.3	8.7	13.1#
92	12.3	97.0	145.4#



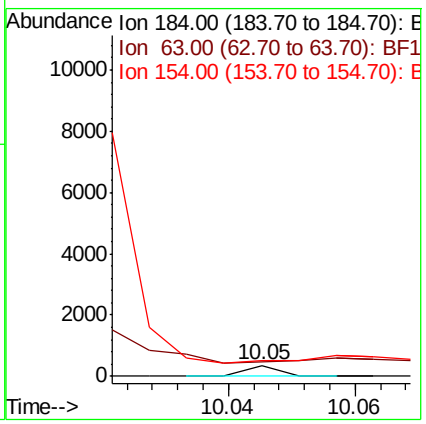


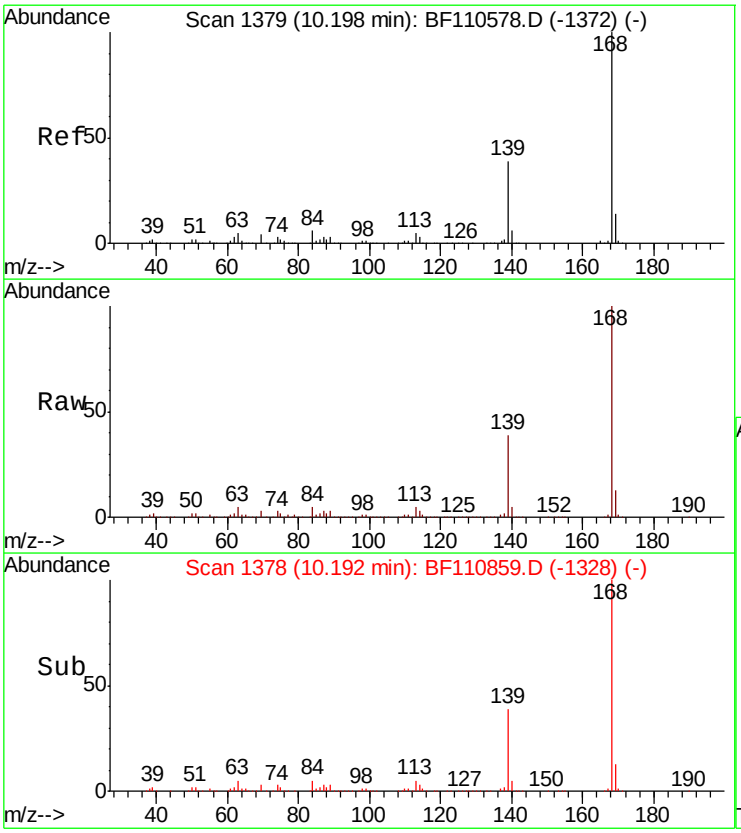
#54
2,4-Dinitrophenol
Concen: 4.868 ng
RT: 10.05 min Scan# 1353
Delta R.T. -0.02 min
Lab File: BF110859.D
Acq: 19 Nov 2018 17:59

Instrument :
BNA_F
ClientSampleId :
DTW-03(8-10)

Tgt Ion:184 Resp: 129

Ion	Ratio	Lower	Upper
184	100		
63	124.9	55.8	83.6#
154	142.3	63.2	94.8#

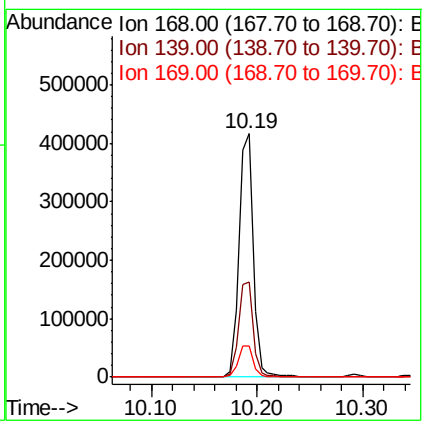


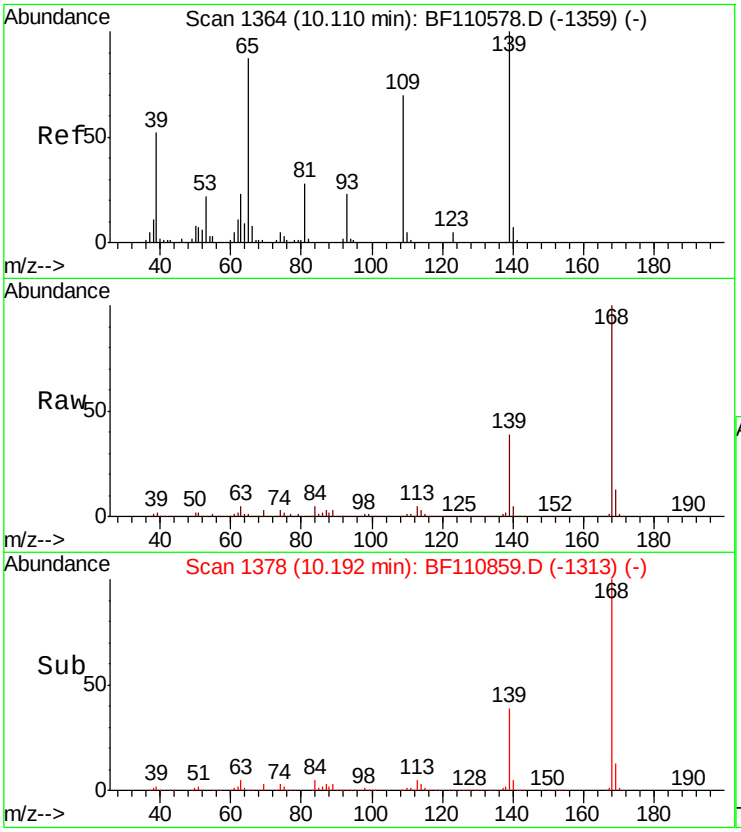


#55
Dibenzofuran
Concen: 38.531 ng
RT: 10.19 min Scan# 1378
Delta R.T. -0.01 min
Lab File: BF110859.D
Acq: 19 Nov 2018 17:59

Tgt Ion:168 Resp: 384831

Ion	Ratio	Lower	Upper
168	100		
139	39.1	33.0	49.6
169	13.0	11.3	16.9



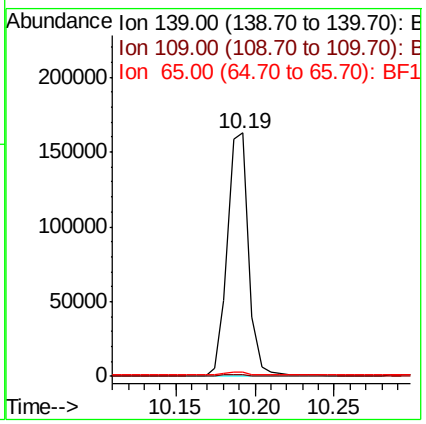


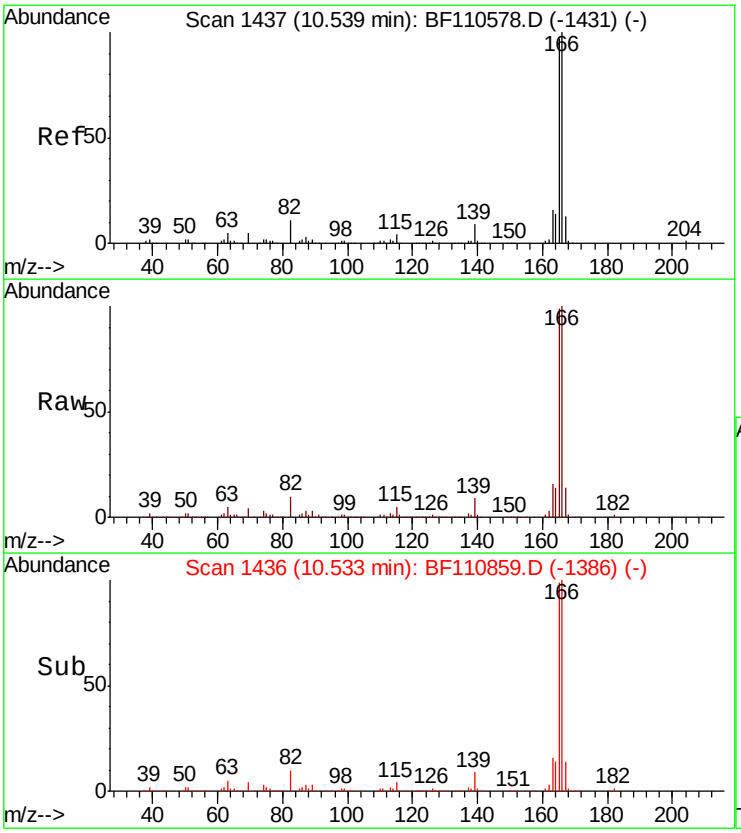
#56
4-Nitrophenol
Concen: 108.668 ng
RT: 10.19 min Scan# 1378
Delta R.T. 0.08 min
Lab File: BF110859.D
Acq: 19 Nov 2018 17:59

Instrument :
BNA_F
ClientSampleId :
DTW-03(8-10)

Tgt Ion:139 Resp: 153010

Ion	Ratio	Lower	Upper
139	100		
109	0.9	55.8	95.8#
65	1.8	77.9	117.9#

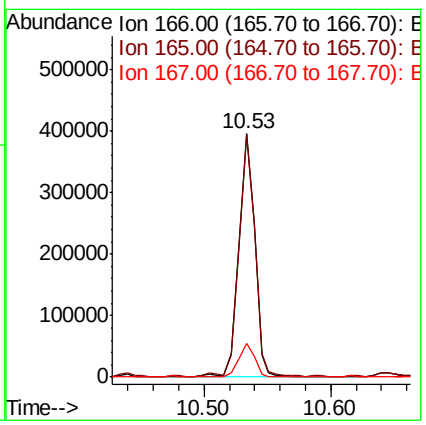


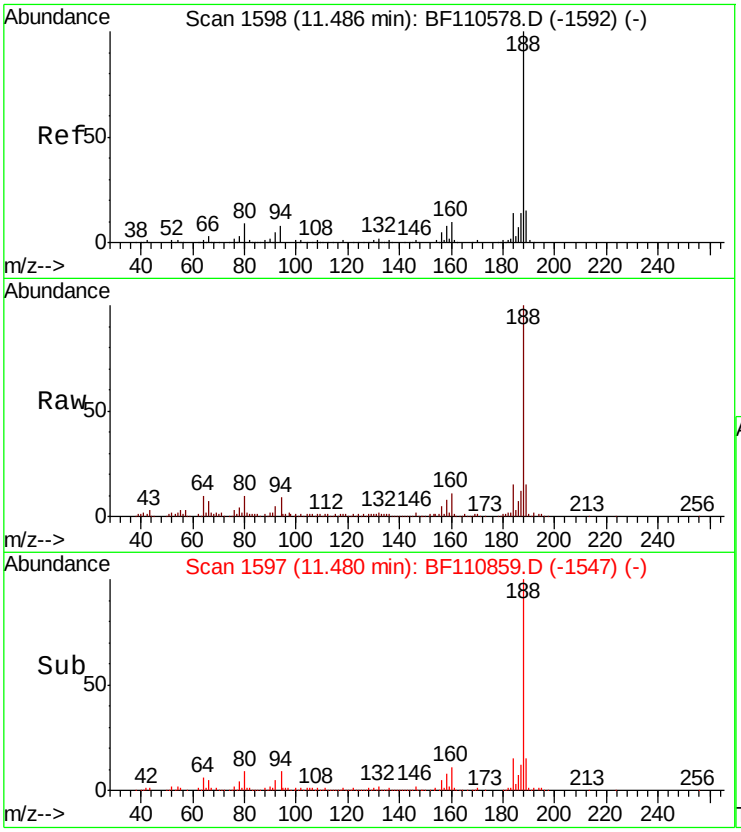


#58
Fluorene
Concen: 44.698 ng
RT: 10.53 min Scan# 1436
Delta R.T. -0.01 min
Lab File: BF110859.D
Acq: 19 Nov 2018 17:59

Tgt Ion:166 Resp: 342899

Ion	Ratio	Lower	Upper
166	100		
165	99.4	78.6	117.8
167	13.6	10.8	16.2



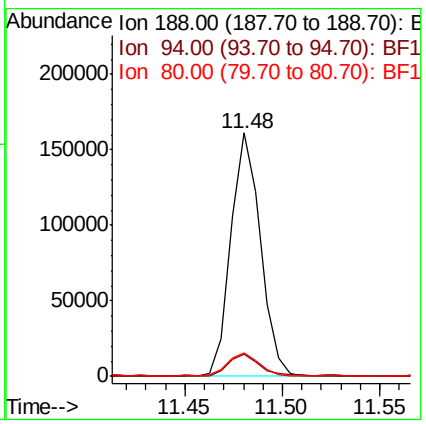


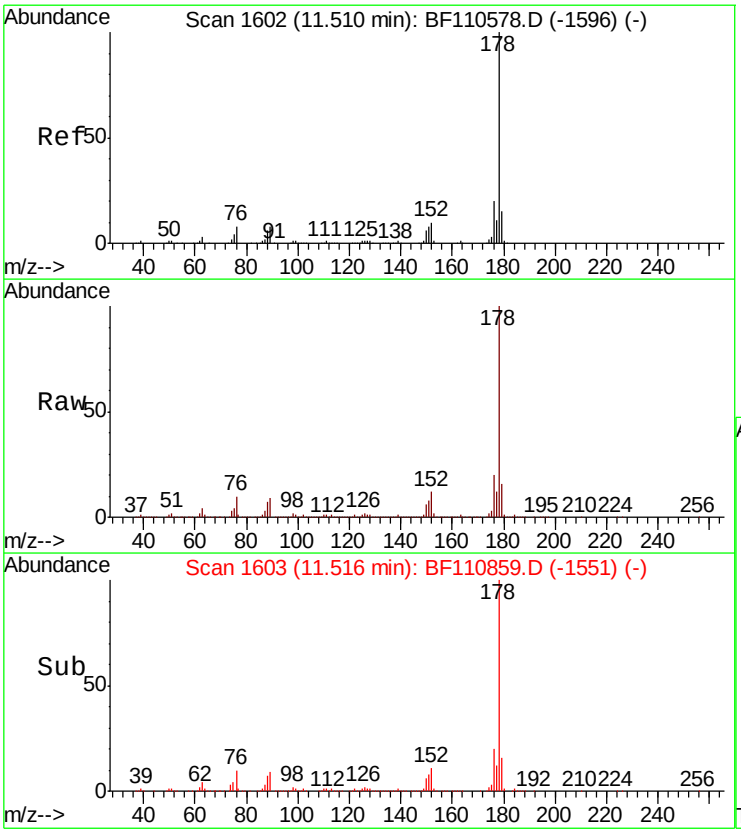
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.48 min Scan# 1597
Delta R.T. -0.01 min
Lab File: BF110859.D
Acq: 19 Nov 2018 17:59

Instrument :
BNA_F
ClientSampleId :
DTW-03(8-10)

Tgt Ion:188 Resp: 169433

Ion	Ratio	Lower	Upper
188	100		
94	9.2	7.2	10.8
80	9.6	7.9	11.9

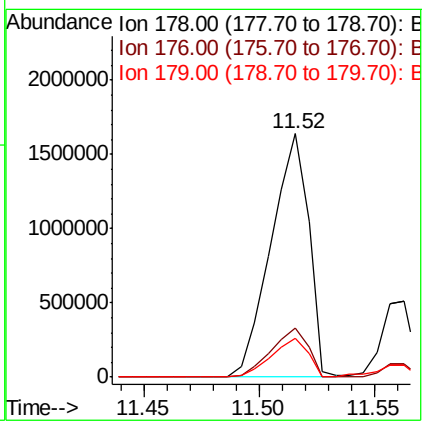


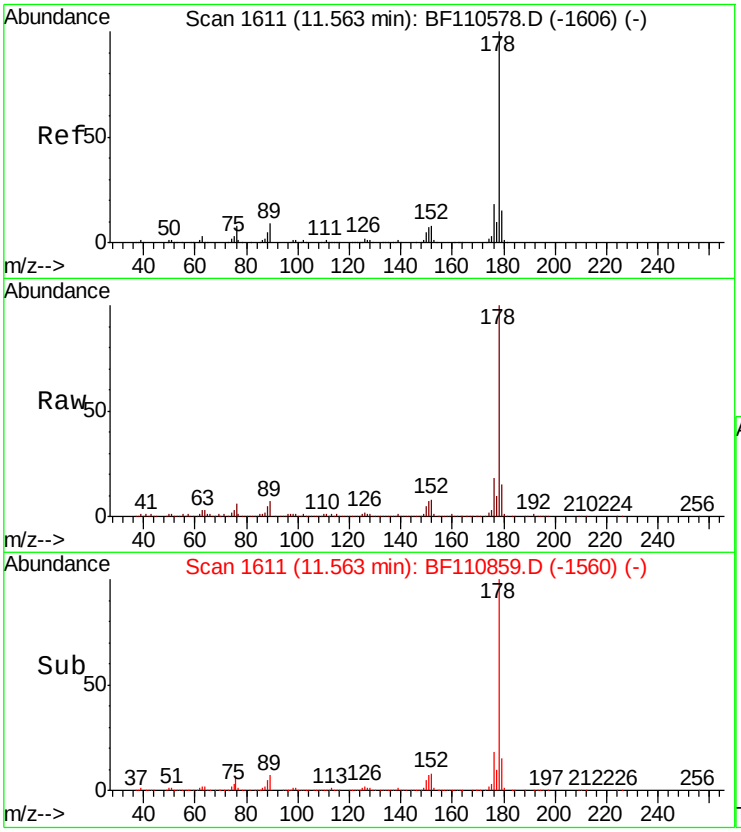


#71
Phenanthrene
Concen: 203.778 ng
RT: 11.52 min Scan# 1603
Delta R.T. 0.01 min
Lab File: BF110859.D
Acq: 19 Nov 2018 17:59

Tgt Ion:178 Resp: 1849765

Ion	Ratio	Lower	Upper
178	100		
176	20.2	15.5	23.3
179	15.9	12.5	18.7



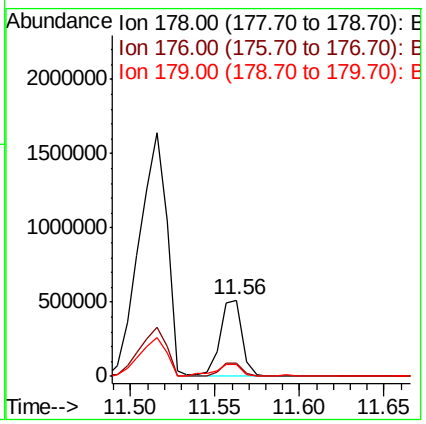


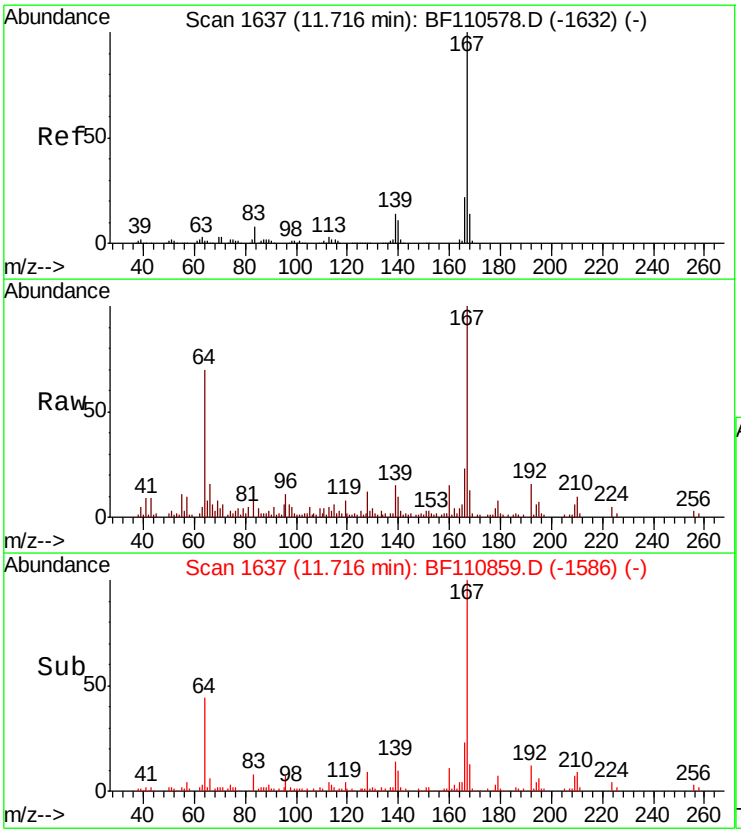
#72
Anthracene
Concen: 50.986 ng
RT: 11.56 min Scan# 1611
Delta R.T. 0.00 min
Lab File: BF110859.D
Acq: 19 Nov 2018 17:59

Instrument :
BNA_F
ClientSampleId :
DTW-03(8-10)

Tgt Ion:178 Resp: 466868

Ion	Ratio	Lower	Upper
178	100		
176	18.1	15.4	23.2
179	15.0	12.6	18.8

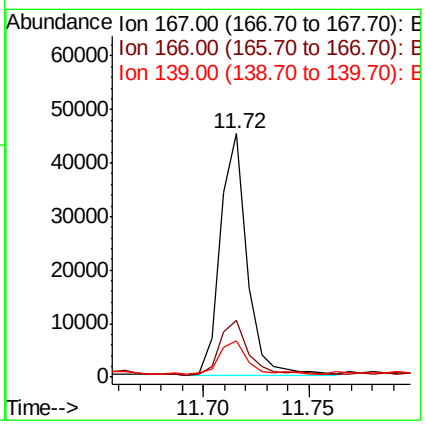


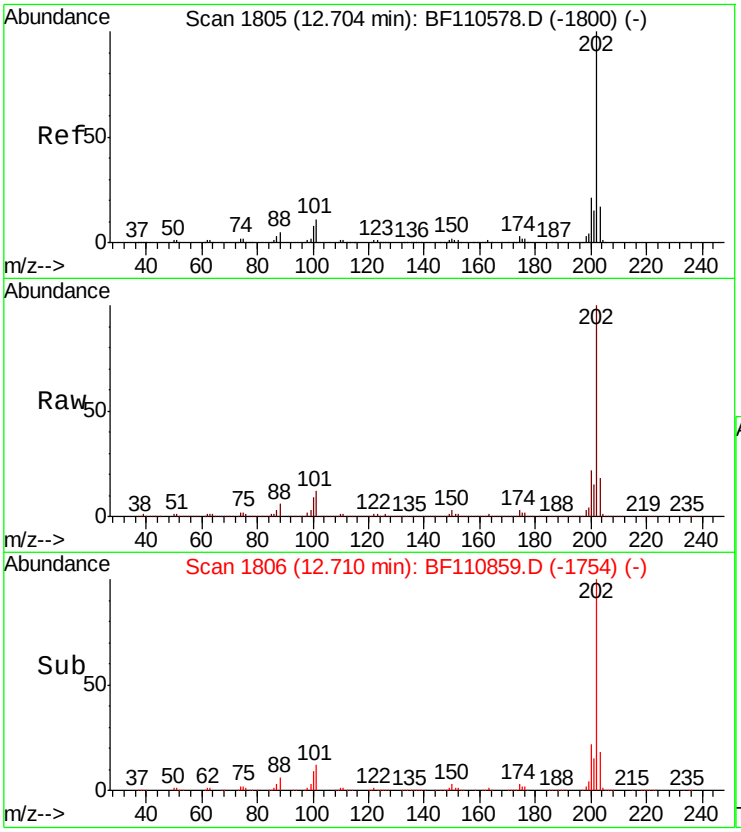


#73
Carbazole
Concen: 4.444 ng
RT: 11.72 min Scan# 1637
Delta R.T. 0.00 min
Lab File: BF110859.D
Acq: 19 Nov 2018 17:59

Tgt Ion:167 Resp: 39081

Ion	Ratio	Lower	Upper
167	100		
166	23.3	17.4	26.0
139	15.0	10.9	16.3



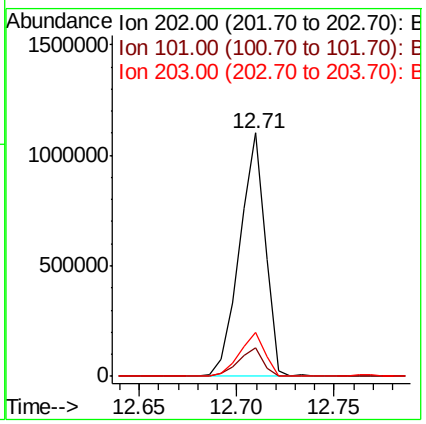


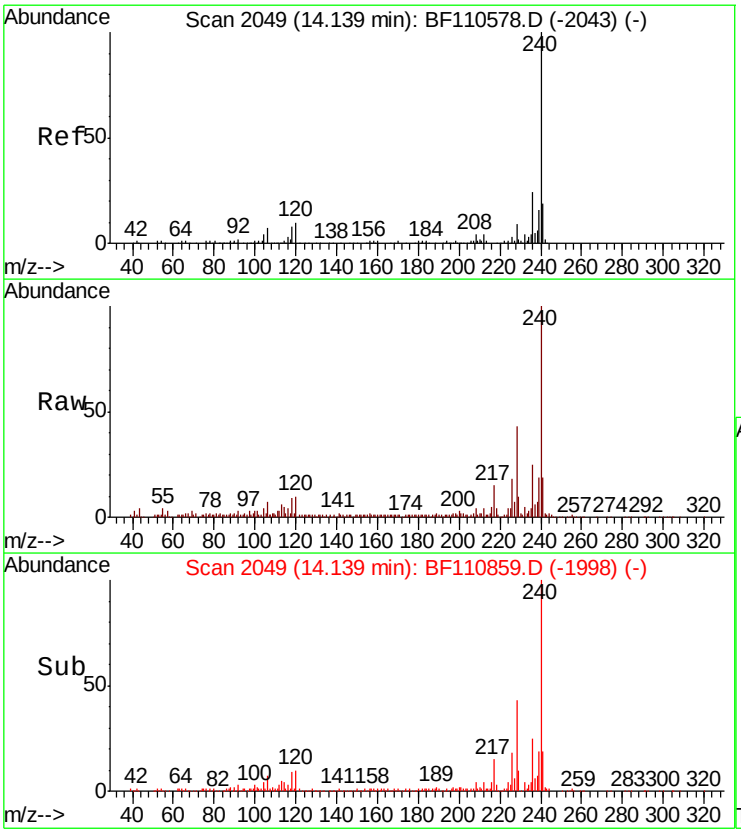
#75
Fluoranthene
Concen: 110.396 ng
RT: 12.71 min Scan# 1806
Delta R.T. 0.01 min
Lab File: BF110859.D
Acq: 19 Nov 2018 17:59

Instrument :
BNA_F
ClientSampleId :
DTW-03(8-10)

Tgt Ion:202 Resp: 1004677

Ion	Ratio	Lower	Upper
202	100		
101	11.7	0.0	31.4
203	17.9	0.0	37.7

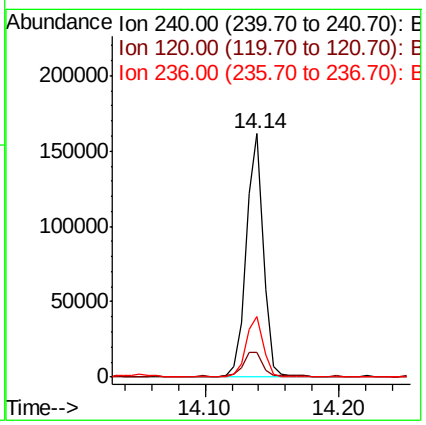


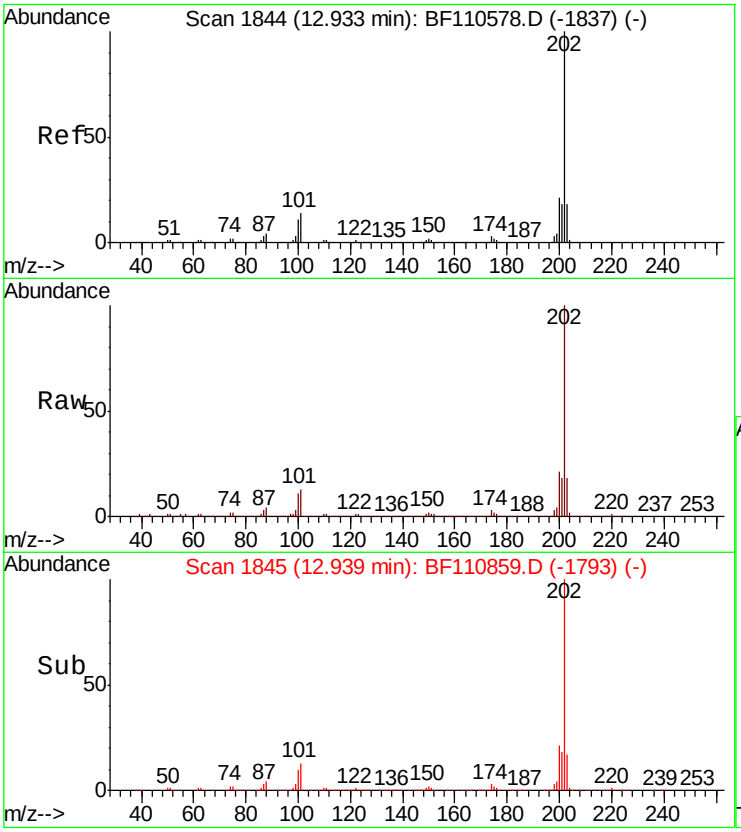


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.14 min Scan# 2049
Delta R.T. 0.00 min
Lab File: BF110859.D
Acq: 19 Nov 2018 17:59

Tgt Ion:240 Resp: 139363

Ion	Ratio	Lower	Upper
240	100		
120	9.9	8.3	12.5
236	25.0	21.2	31.8



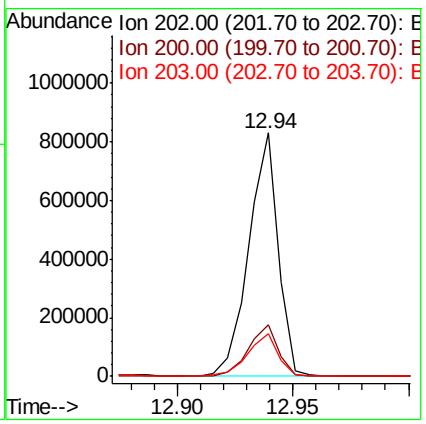


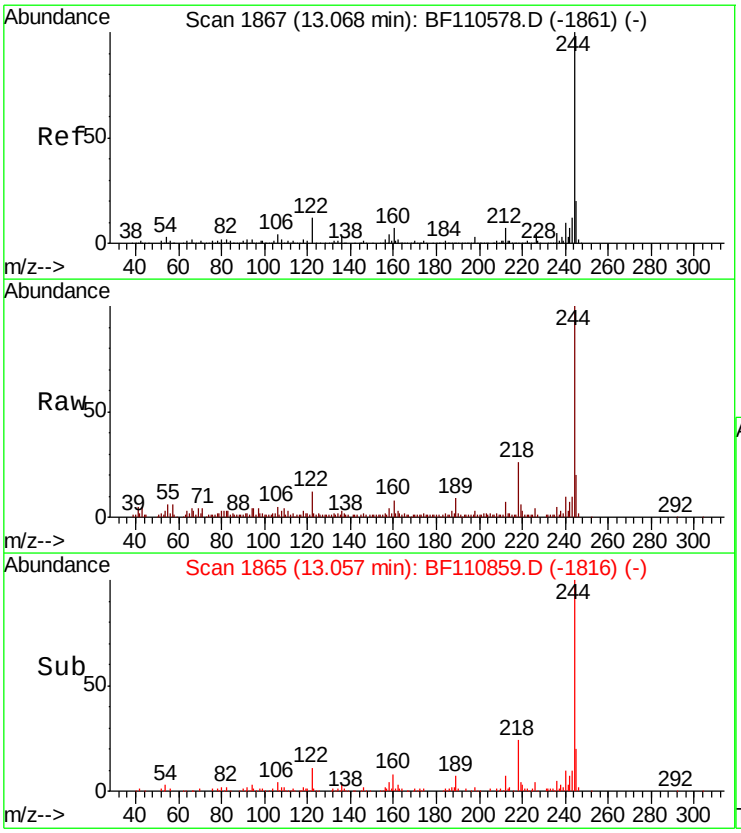
#78
Pyrene
Concen: 68.241 ng
RT: 12.94 min Scan# 1845
Delta R.T. 0.01 min
Lab File: BF110859.D
Acq: 19 Nov 2018 17:59

Instrument :
BNA_F
ClientSampleId :
DTW-03(8-10)

Tgt Ion:202 Resp: 732272

Ion	Ratio	Lower	Upper
202	100		
200	21.4	17.8	26.6
203	17.6	14.2	21.4

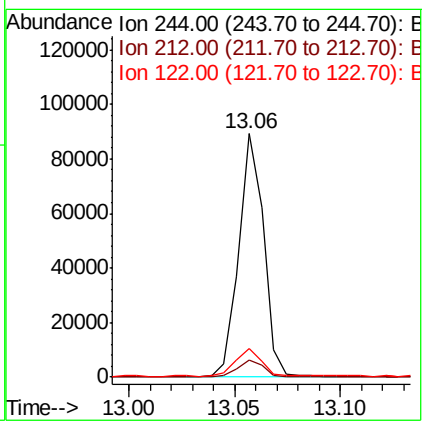


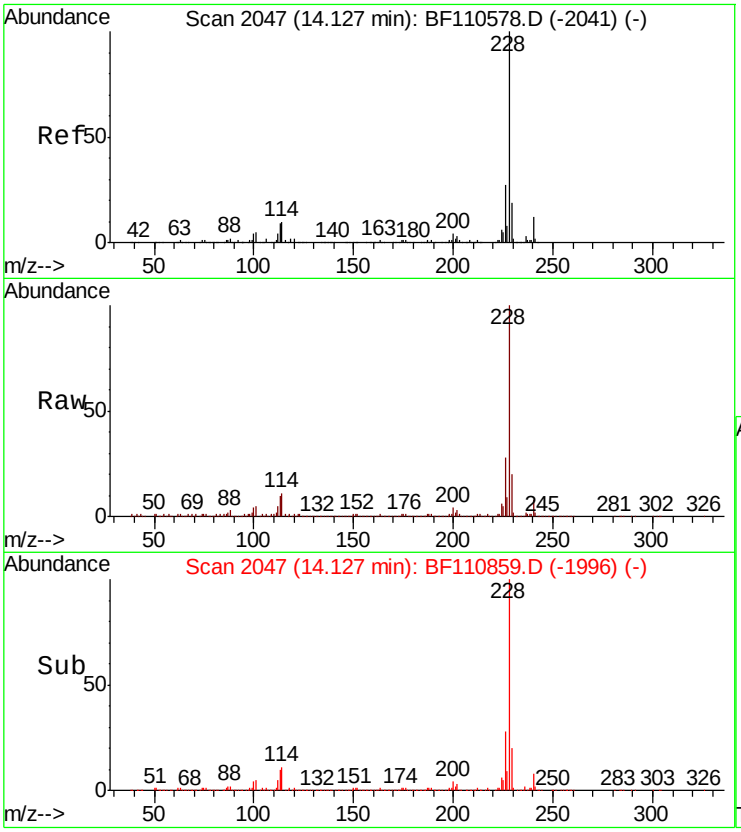


#79
Terphenyl-d14
Concen: 9.740 ng
RT: 13.06 min Scan# 1865
Delta R.T. -0.01 min
Lab File: BF110859.D
Acq: 19 Nov 2018 17:59

Tgt Ion:244 Resp: 72482

Ion	Ratio	Lower	Upper
244	100		
212	6.9	5.8	8.8
122	11.7	8.7	13.1



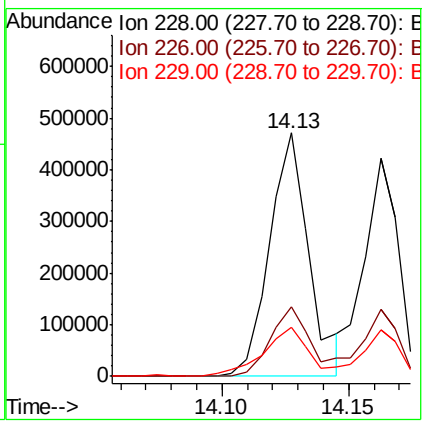


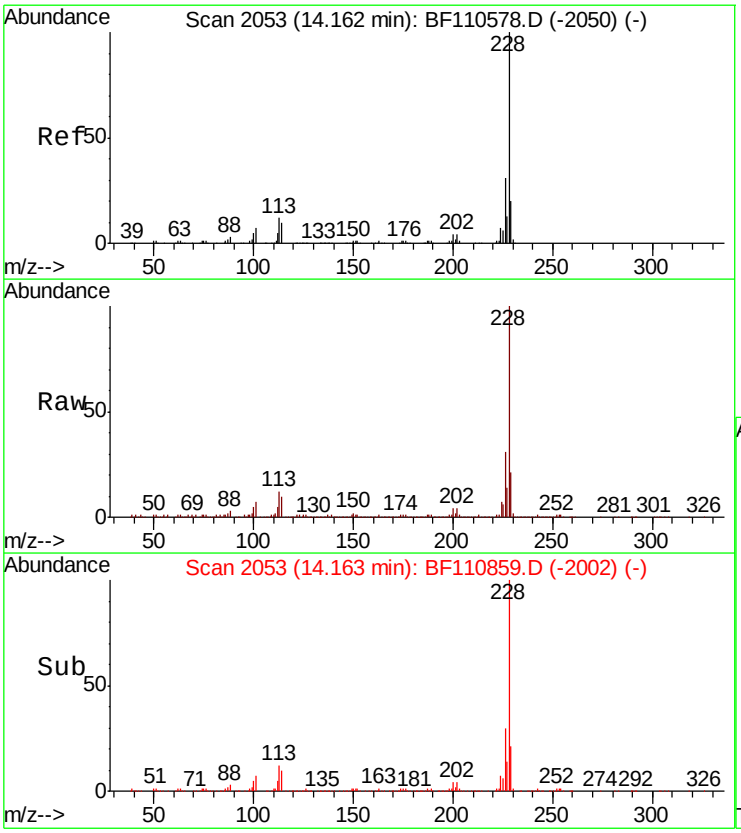
#81
Benzo(a)anthracene
Concen: 60.978 ng
RT: 14.13 min Scan# 2047
Delta R.T. 0.00 min
Lab File: BF110859.D
Acq: 19 Nov 2018 17:59

Instrument :
BNA_F
ClientSampleId :
DTW-03(8-10)

Tgt Ion:228 Resp: 507937

Ion	Ratio	Lower	Upper
228	100		
226	28.3	22.1	33.1
229	20.3	15.6	23.4

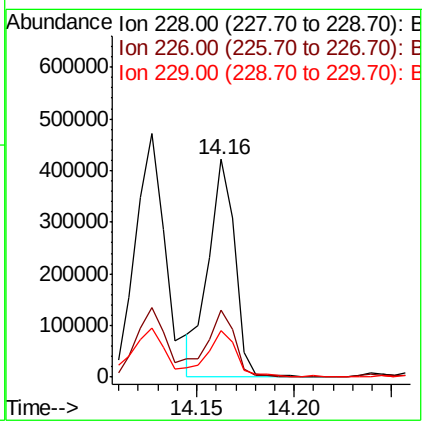


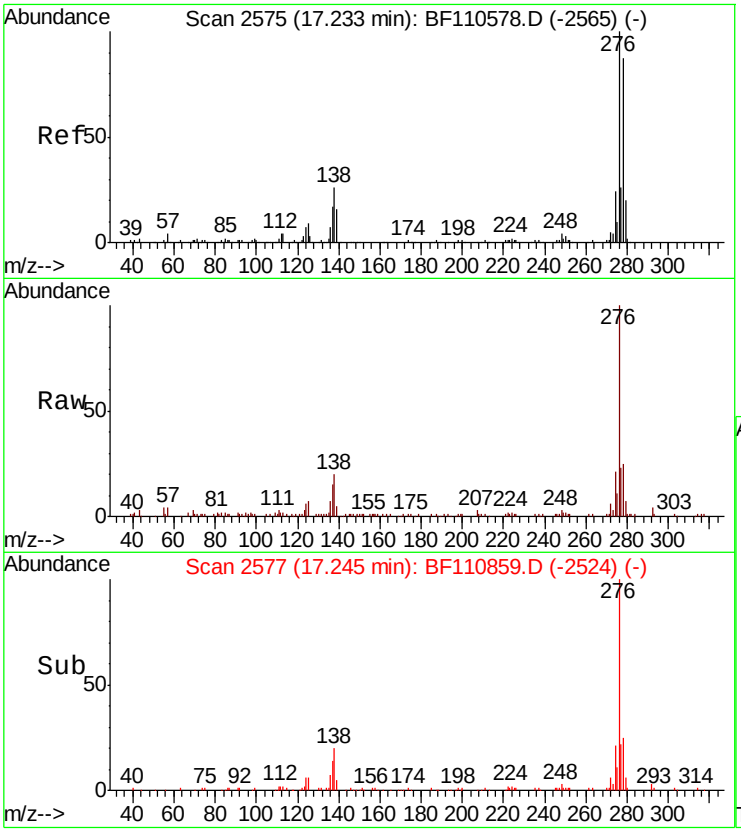


#83
Chrysene
Concen: 49.610 ng
RT: 14.16 min Scan# 2053
Delta R.T. 0.00 min
Lab File: BF110859.D
Acq: 19 Nov 2018 17:59

Tgt Ion:228 Resp: 393703

Ion	Ratio	Lower	Upper
228	100		
226	30.7	24.7	37.1
229	21.4	15.9	23.9



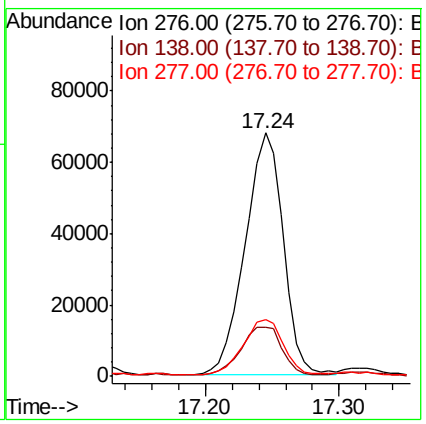


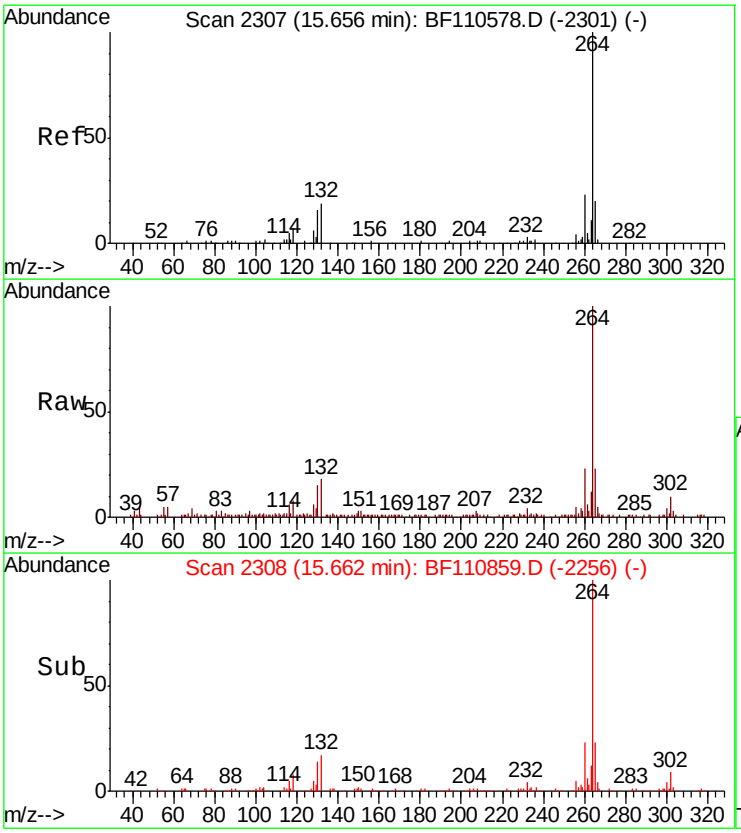
#86
Indeno(1,2,3-cd)pyrene
Concen: 23.469 ng
RT: 17.24 min Scan# 2577
Delta R.T. 0.01 min
Lab File: BF110859.D
Acq: 19 Nov 2018 17:59

Instrument :
BNA_F
ClientSampleId :
DTW-03(8-10)

Tgt Ion:276 Resp: 133649

Ion	Ratio	Lower	Upper
276	100		
138	21.2	18.5	27.7
277	23.8	20.0	30.0

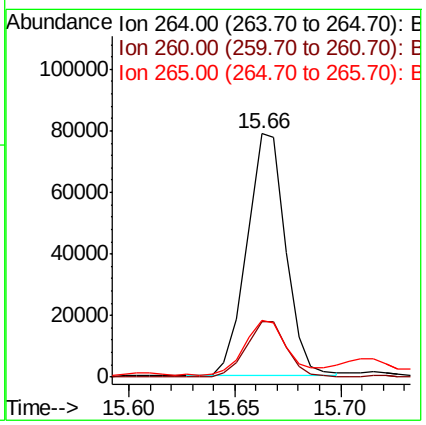


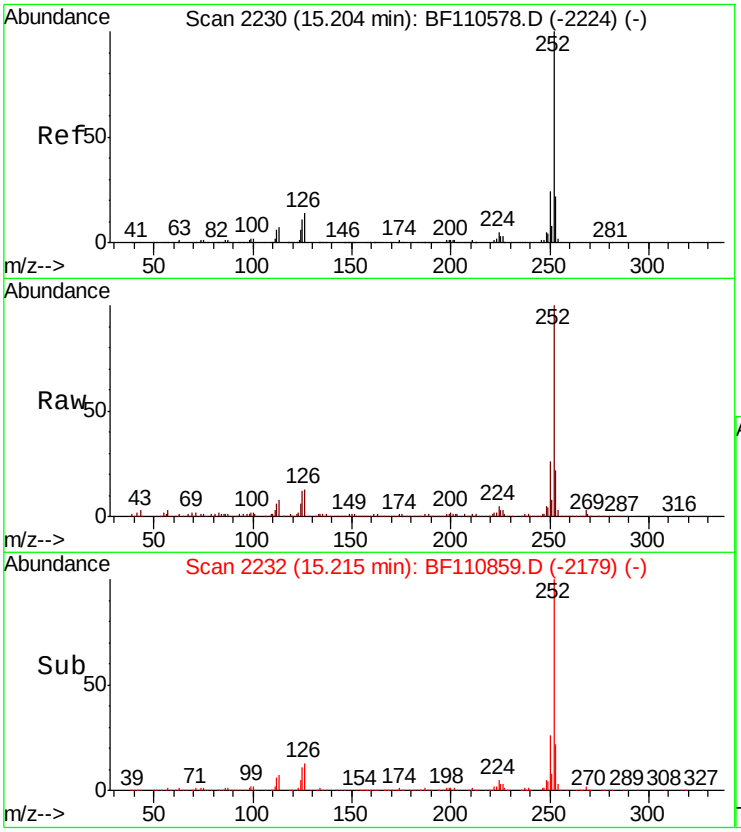


#87
Perylene-d12
Concen: 20.000 ng
RT: 15.66 min Scan# 2308
Delta R.T. 0.01 min
Lab File: BF110859.D
Acq: 19 Nov 2018 17:59

Tgt Ion:264 Resp: 100653

Ion	Ratio	Lower	Upper
264	100		
260	22.7	18.7	28.1
265	23.1	16.7	25.1



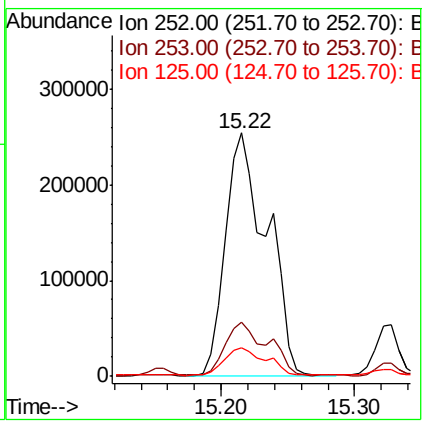


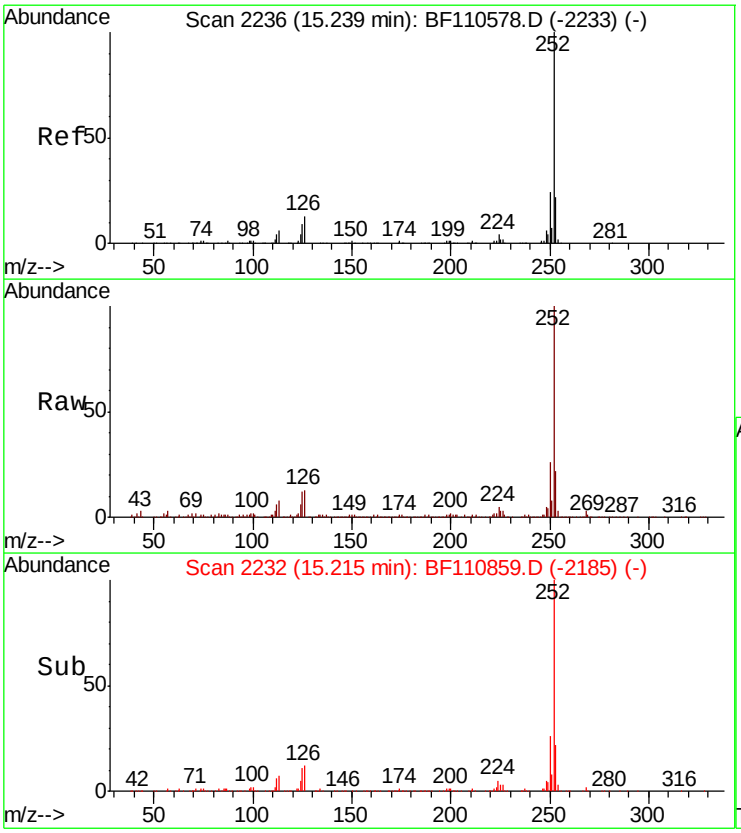
#88
Benzo(b)fluoranthene
Concen: 91.306 ng
RT: 15.22 min Scan# 2232
Delta R.T. 0.01 min
Lab File: BF110859.D
Acq: 19 Nov 2018 17:59

Instrument :
BNA_F
ClientSampleId :
DTW-03(8-10)

Tgt Ion:252 Resp: 549791

Ion	Ratio	Lower	Upper
252	100		
253	22.5	17.2	25.8
125	11.9	8.2	12.4

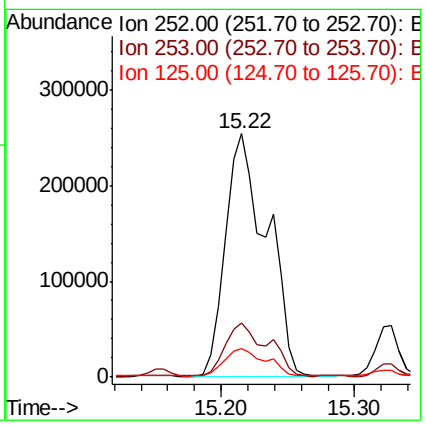


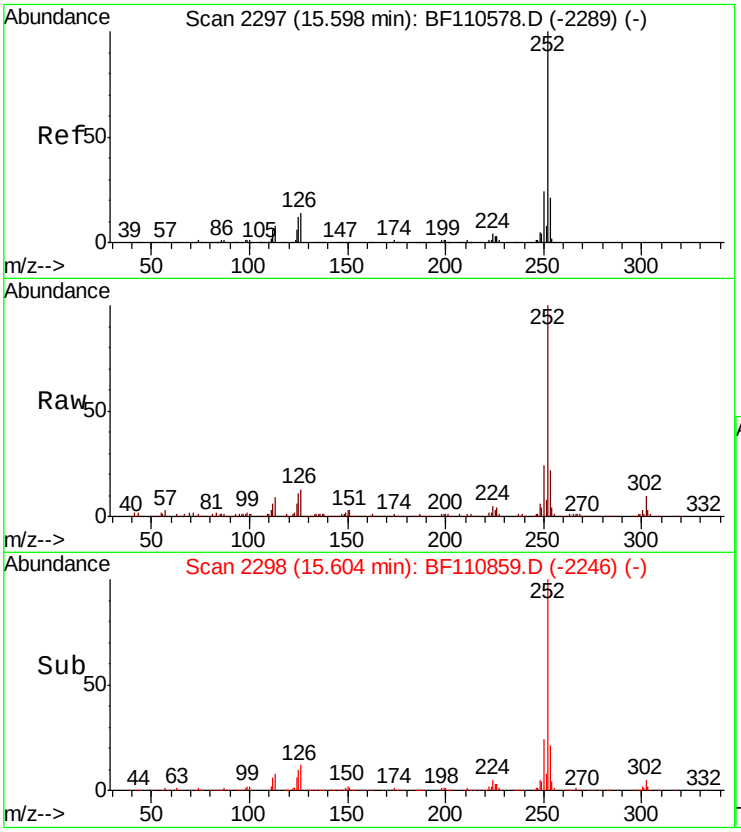


#89
Benzo(k)fluoranthene
Concen: 92.404 ng
RT: 15.22 min Scan# 2232
Delta R.T. -0.02 min
Lab File: BF110859.D
Acq: 19 Nov 2018 17:59

Tgt Ion:252 Resp: 549791

Ion	Ratio	Lower	Upper
252	100		
253	22.5	17.2	25.8
125	11.9	7.4	11.0#



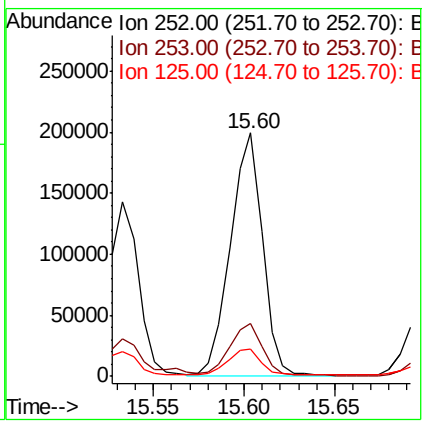


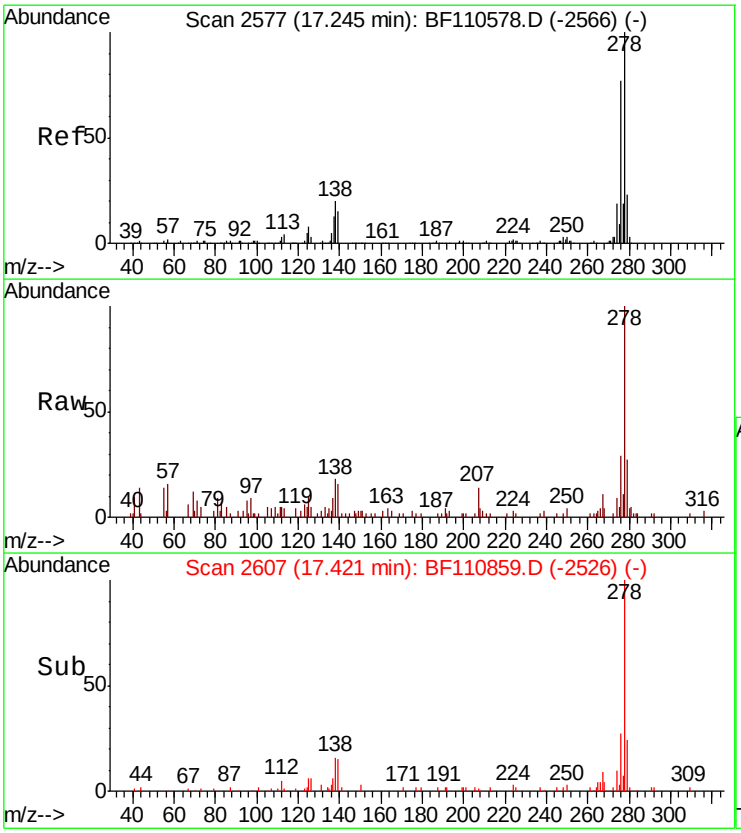
#90
Benzo(a)pyrene
Concen: 44.640 ng
RT: 15.60 min Scan# 2298
Delta R.T. 0.01 min
Lab File: BF110859.D
Acq: 19 Nov 2018 17:59

Instrument :
BNA_F
ClientSampleId :
DTW-03(8-10)

Tgt Ion:252 Resp: 244222

Ion	Ratio	Lower	Upper
252	100		
253	21.8	18.2	27.4
125	11.1	9.0	13.6

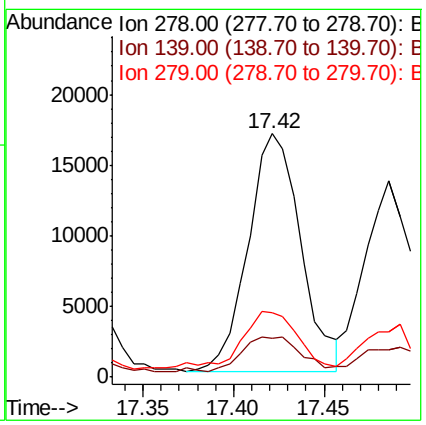


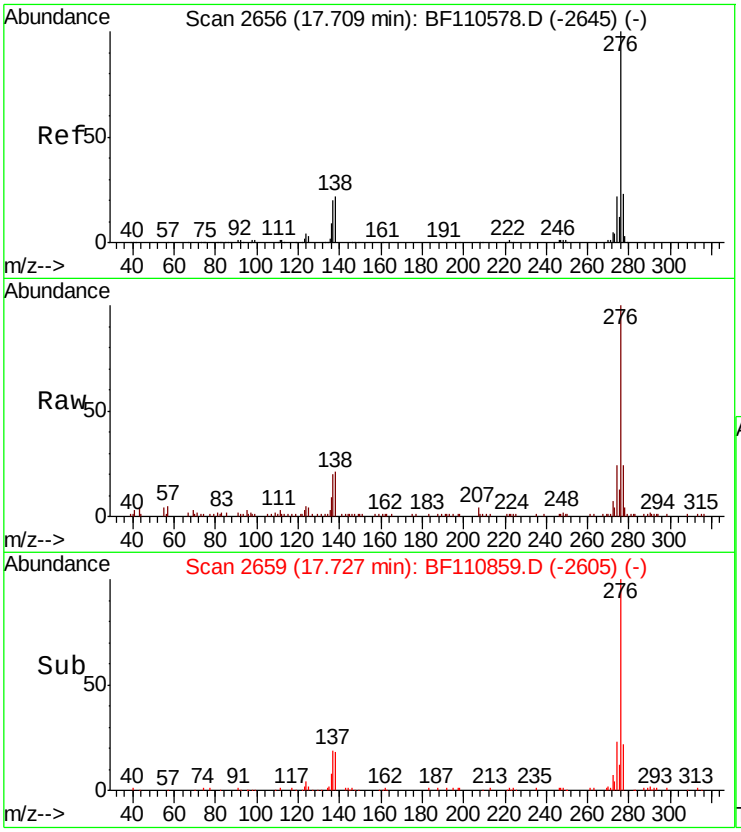


#91
Dibenzo(a,h)anthracene
Concen: 7.317 ng
RT: 17.42 min Scan# 2607
Delta R.T. 0.18 min
Lab File: BF110859.D
Acq: 19 Nov 2018 17:59

Tgt Ion:278 Resp: 33876

Ion	Ratio	Lower	Upper
278	100		
139	16.2	12.7	19.1
279	26.5	19.0	28.4





#92
Benzo(g,h,i)perylene
Concen: 24.196 ng
RT: 17.73 min Scan# 2659
Delta R.T. 0.02 min
Lab File: BF110859.D
Acq: 19 Nov 2018 17:59

Instrument :
BNA_F
ClientSampleId :
DTW-03(8-10)

Tgt Ion:276 Resp: 111147

Ion	Ratio	Lower	Upper
276	100		
277	23.7	18.8	28.2
138	20.7	16.0	24.0