Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA F\DATA\BF031918\
Data File : BF103792.D
Acq On : 20 Mar 2018 8:36
Operator : JU/SJ
Sample : J1946-01DL2 100X
Misc :
ALS Vial : 33 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId :

Quant Time: Mar 20 10:38:28 2018
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF031518.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Mar 15 18:31:53 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.97	152	137523	20.00	ng		0.00
21) Naphthalene-d8	8.25	136	535181	20.00	ng		0.00
38) Acenaphthene-d10	10.01	164	231406	20.00	ng		0.00
63) Phenanthrene-d10	11.50	188	371560	20.00	ng		0.00
75) Chrysene-d12	14.16	240	286949	20.00	ng		0.00
86) Perylene-d12	15.69	264	257335	20.00	ng		0.01
System Monitoring Compounds							
5) 2-Fluorophenol	5.58	112	10567	1.17	ng		0.00
7) Phenol-d6	6.57	99	12919	1.17	ng		-0.01
23) Nitrobenzene-d5	7.52	82	6926	0.90	ng		-0.01
41) 2,4,6-Tribromophenol	10.80	330	1956	0.98	ng		0.00
44) 2-Fluorobiphenyl	9.32	172	14736	1.02	ng		0.00
78) Terphenyl-d14	13.09	244	12237	0.99	ng		0.00
Target Compounds							Qvalue
26) 2-Nitrophenol	7.73	139	189	9.490	ng	#	35
31) Naphthalene	8.27	128	1287131	47.611	ng		99
32) Benzoic acid	7.91	122	222	9.938	ng	#	28
33) 4-Chloroaniline	8.27	127	172288	15.190	ng	#	32
35) Caprolactam	8.96	113	8919	3.741	ng	#	1
37) 2-Methylnaphthalene	8.96	142	437766	25.534	ng		99
45) 1,1'-Biphenyl	9.43	154	84438	4.376	ng		96
47) 2-Nitroaniline	9.52	65	2181	7.281	ng	#	21
48) Acenaphthylene	9.87	152	159845	6.726	ng	#	97
50) 2,6-Dinitrotoluene	9.70	165	1909	4.496	ng	#	58
51) Acenaphthene	10.05	154	75171	5.327	ng		96
52) 3-Nitroaniline	9.87	138	112	3.840	ng	#	2
55) 4-Nitrophenol	10.28	139	628	5.152	ng		91
56) 2,4-Dinitrotoluene	10.17	165	3025	6.822	ng	#	59
57) Fluorene	10.56	166	136997	8.760	ng		100
61) 4-Nitroaniline	10.56	138	1532	4.108	ng	#	19
70) Phenanthrene	11.53	178	510948	25.139	ng		99
71) Anthracene	11.58	178	127397	6.171	ng		99
74) Fluoranthene	12.72	202	175157	8.365	ng		98
77) Pyrene	12.95	202	279350	13.256	ng		98
80) Benzo(a)anthracene	14.18	228	101572	5.592	ng		94
82) Chrysene	14.18	228	101572	5.866	ng		97
87) Benzo(b)fluoranthene	15.23	252	80495	4.951	ng	#	93
88) Benzo(k)fluoranthene	15.23	252	80495	5.151	ng		96
89) Benzo(a)pyrene	15.62	252	66494	4.509	ng		96
91) Benzo(g,h,i)perylene	17.73	276	29774	2.397	ng		94

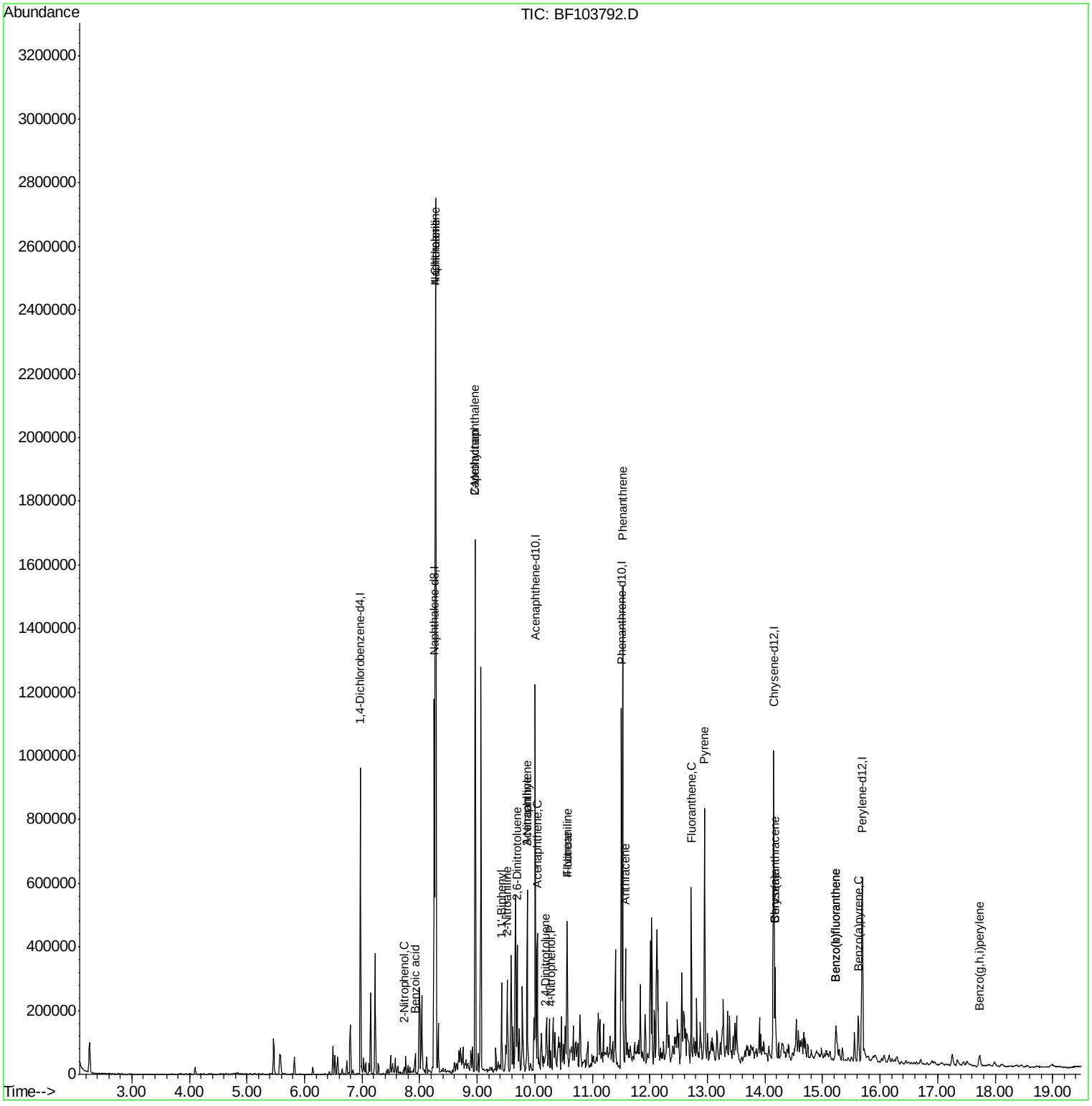
(#) = qualifier out of range (m) = manual integration (+) = signals summed

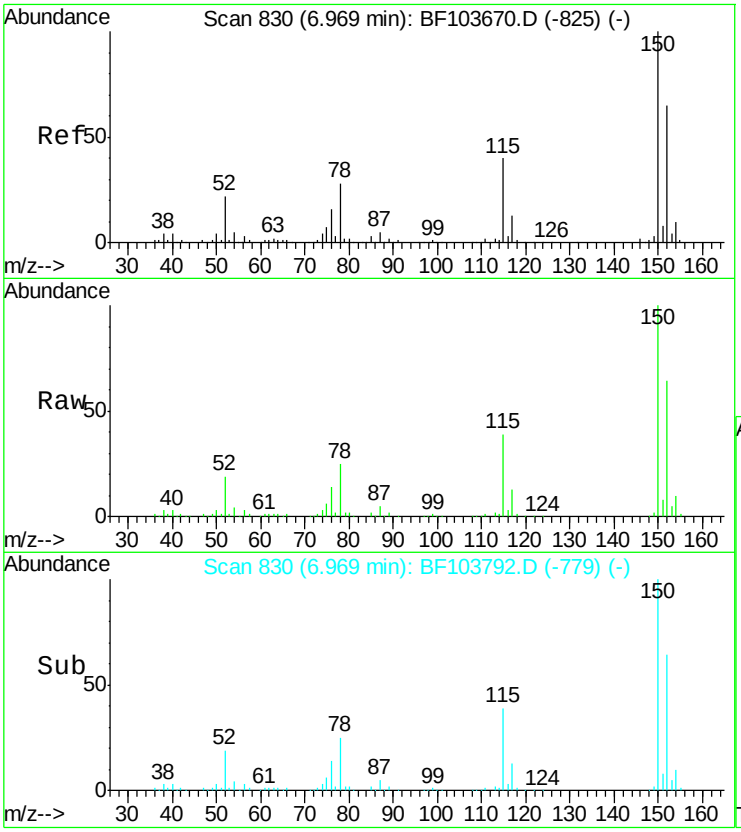
Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA F\DATA\BF031918\
Data File : BF103792.D
Acq On : 20 Mar 2018 8:36
Operator : JU/SJ
Sample : J1946-01DL2 100X
Misc :
ALS Vial : 33 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :

Quant Time: Mar 20 10:38:28 2018
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF031518.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Mar 15 18:31:53 2018
Response via : Initial Calibration



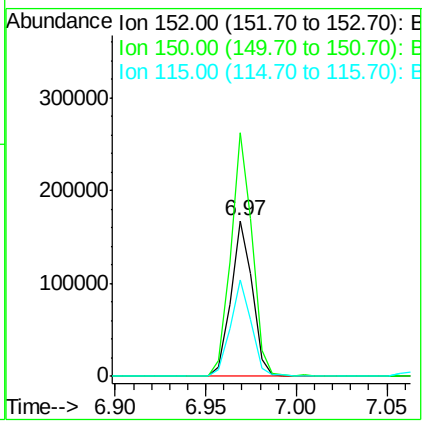


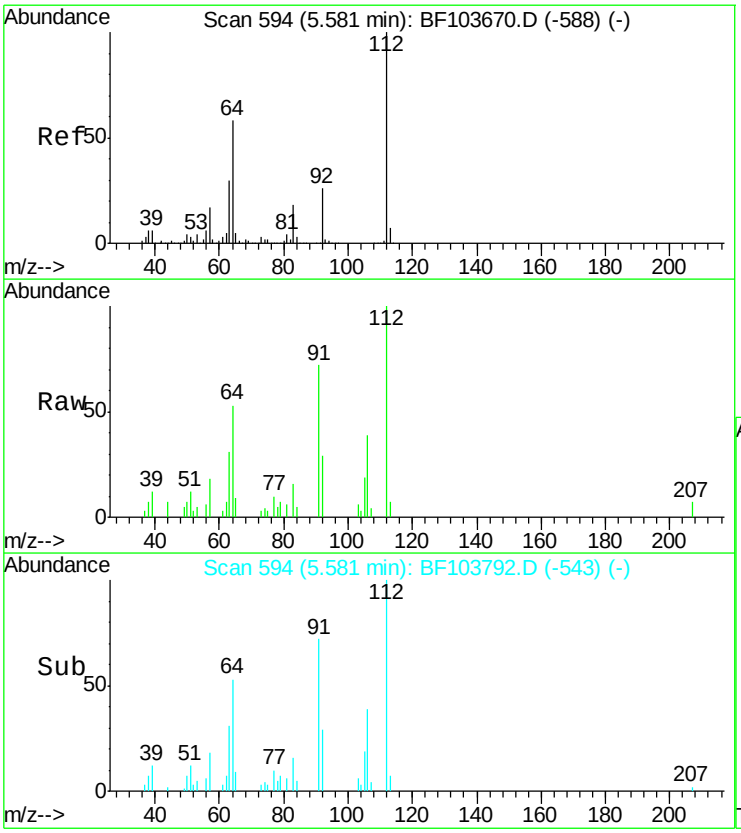
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.97 min Scan# 830
Delta R.T. 0.00 min
Lab File: BF103792.D
Acq: 20 Mar 2018 8:36

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:152 Resp: 137523

Ion	Ratio	Lower	Upper
152	100		
150	156.4	124.6	186.8
115	61.8	50.1	75.1

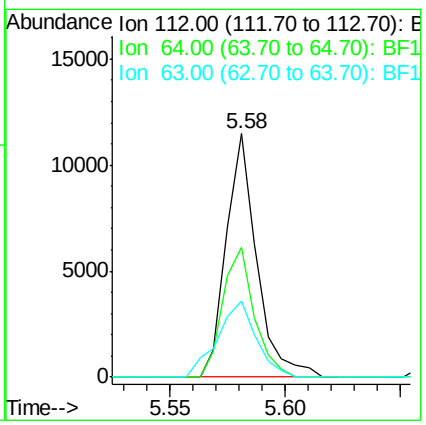


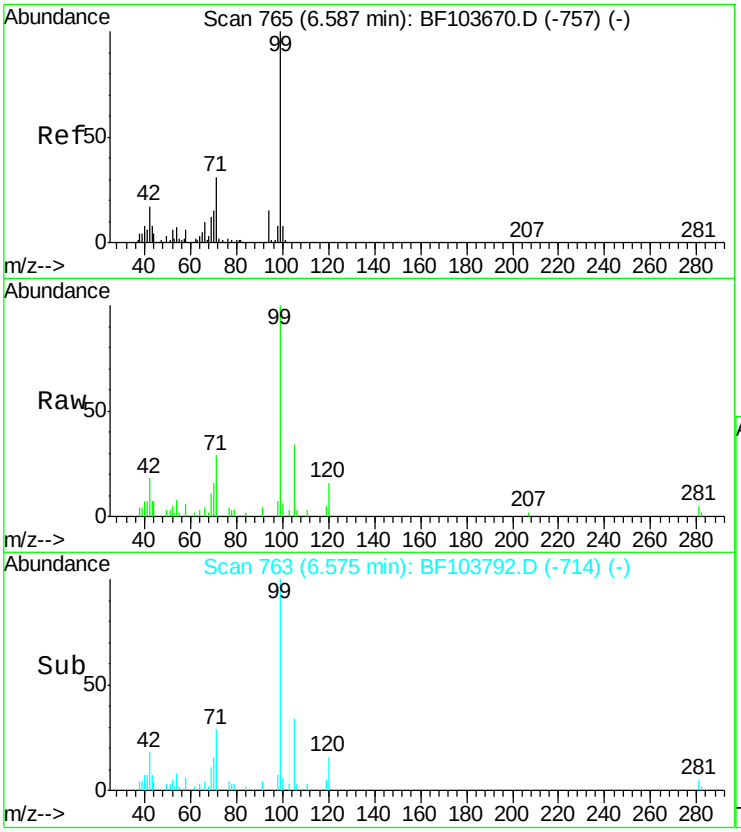


#5
2-Fluorophenol
Concen: 1.169 ng
RT: 5.58 min Scan# 594
Delta R.T. 0.00 min
Lab File: BF103792.D
Acq: 20 Mar 2018 8:36

Tgt Ion:112 Resp: 10567

Ion	Ratio	Lower	Upper
112	100		
64	53.4	47.9	71.9
63	31.3	23.7	35.5



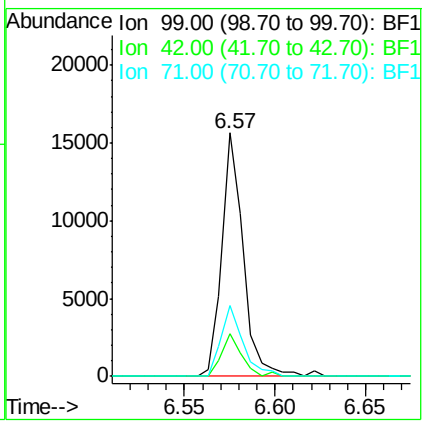


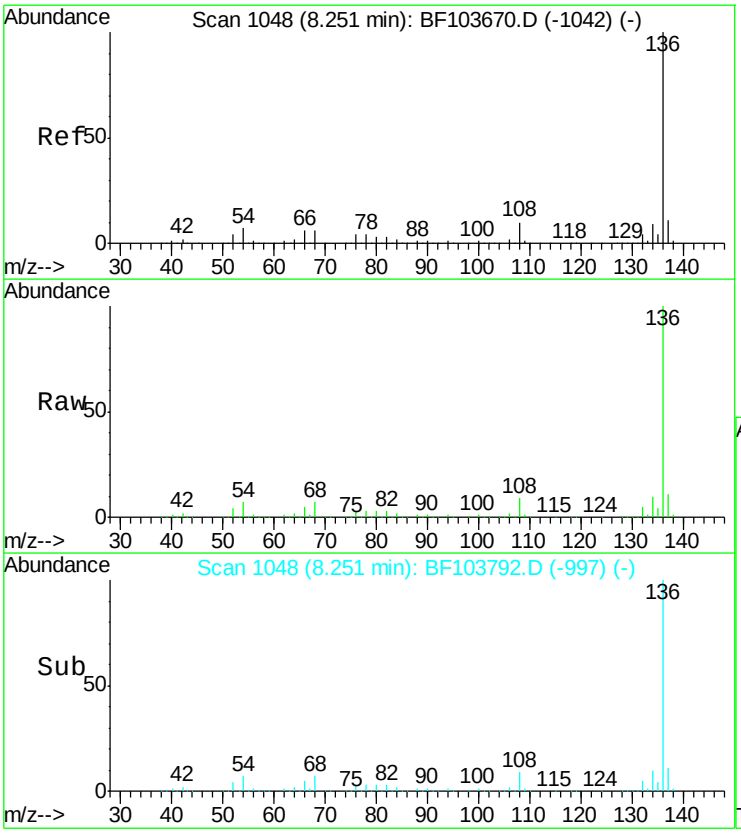
#7
Phenol-d6
Concen: 1.168 ng
RT: 6.57 min Scan# 763
Delta R.T. -0.01 min
Lab File: BF103792.D
Acq: 20 Mar 2018 8:36

Instrument :
BNA_F
ClientSampleId :

Tgt Ion: 99 Resp: 12919

Ion	Ratio	Lower	Upper
99	100		
42	17.7	14.5	21.7
71	29.3	25.4	38.0

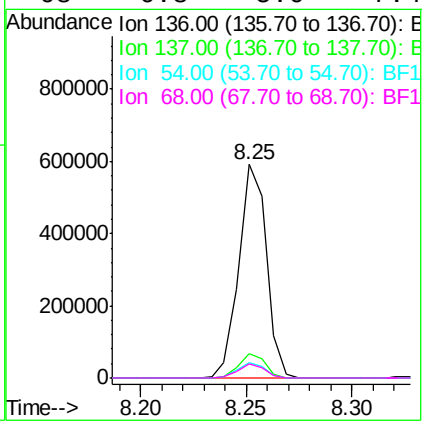


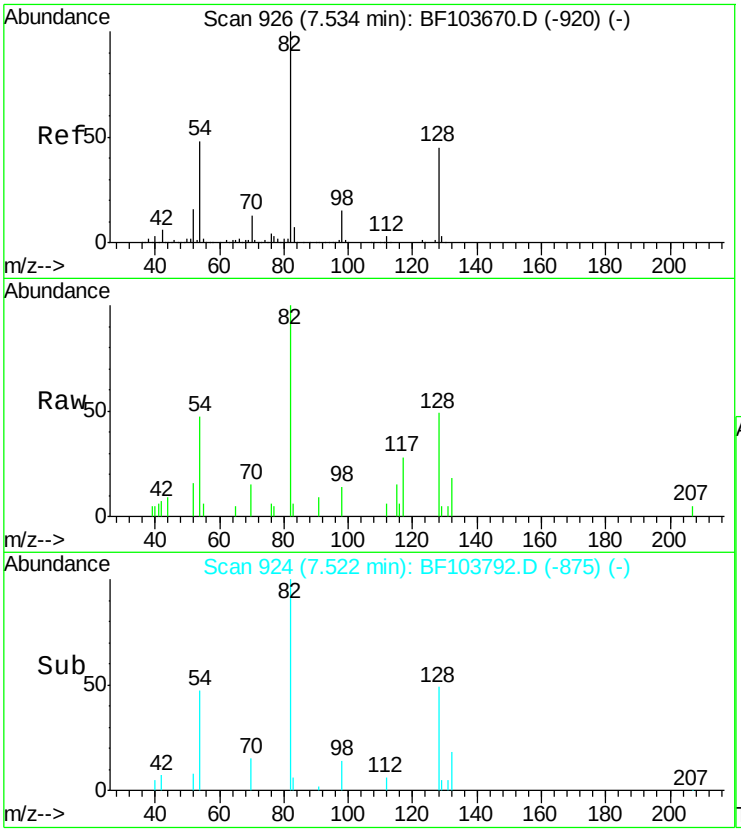


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.25 min Scan# 1048
Delta R.T. 0.00 min
Lab File: BF103792.D
Acq: 20 Mar 2018 8:36

Tgt Ion:136 Resp: 535181

Ion	Ratio	Lower	Upper
136	100		
137	11.4	8.9	13.3
54	7.5	6.6	9.8
68	6.8	5.0	7.4



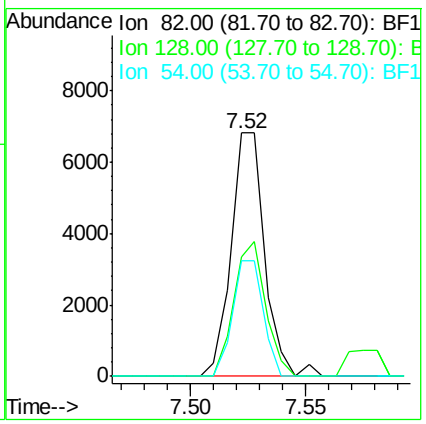


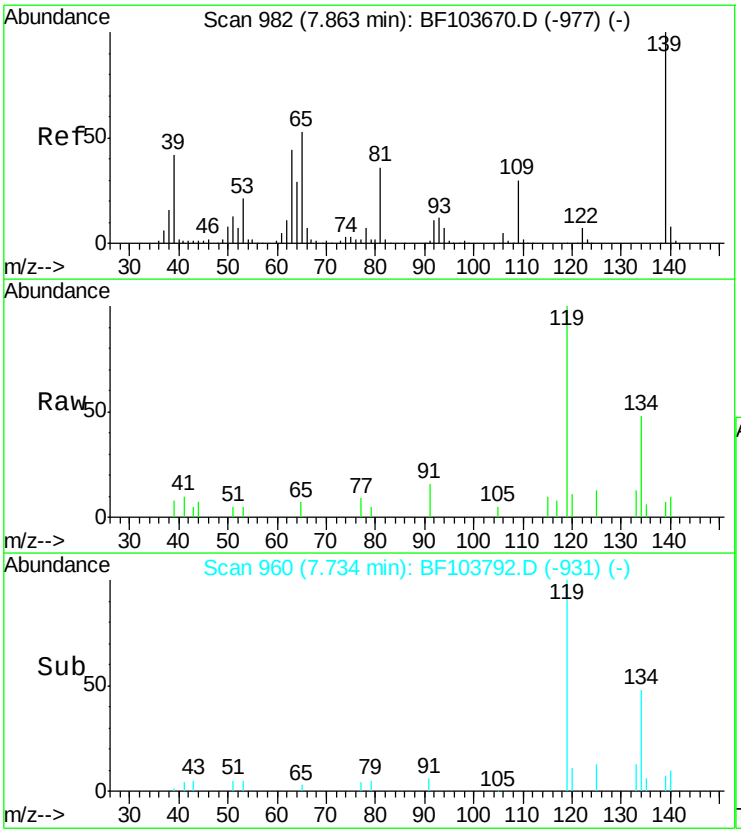
#23
Nitrobenzene-d5
Concen: 0.902 ng
RT: 7.52 min Scan# 924
Delta R.T. -0.01 min
Lab File: BF103792.D
Acq: 20 Mar 2018 8:36

Instrument :
BNA_F
ClientSampleId :

Tgt Ion: 82 Resp: 6926

Ion	Ratio	Lower	Upper
82	100		
128	48.9	36.1	54.1
54	47.3	41.4	62.2

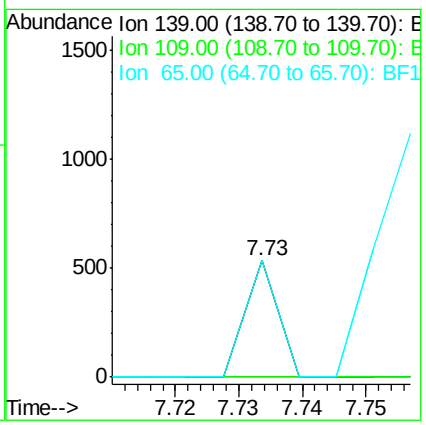


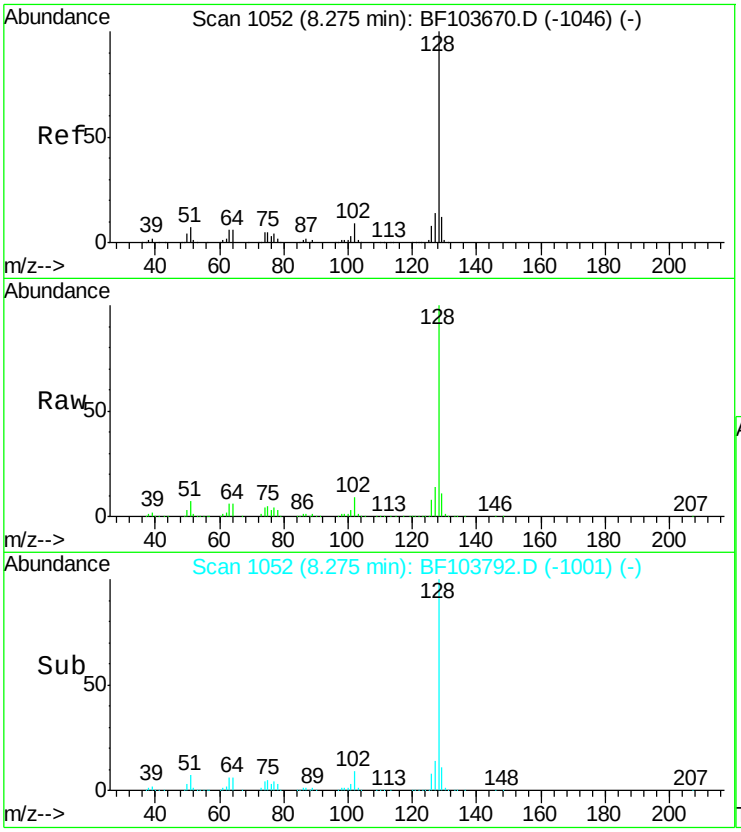


#26
2-Nitrophenol
Concen: 9.490 ng
RT: 7.73 min Scan# 960
Delta R.T. -0.13 min
Lab File: BF103792.D
Acq: 20 Mar 2018 8:36

Tgt Ion:139 Resp: 189

Ion	Ratio	Lower	Upper
139	100		
109	0.0	22.7	34.1#
65	100.6	40.5	60.7#



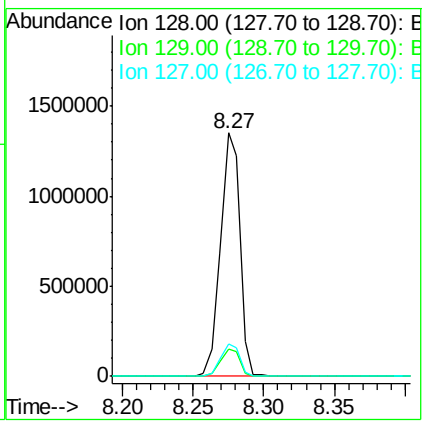


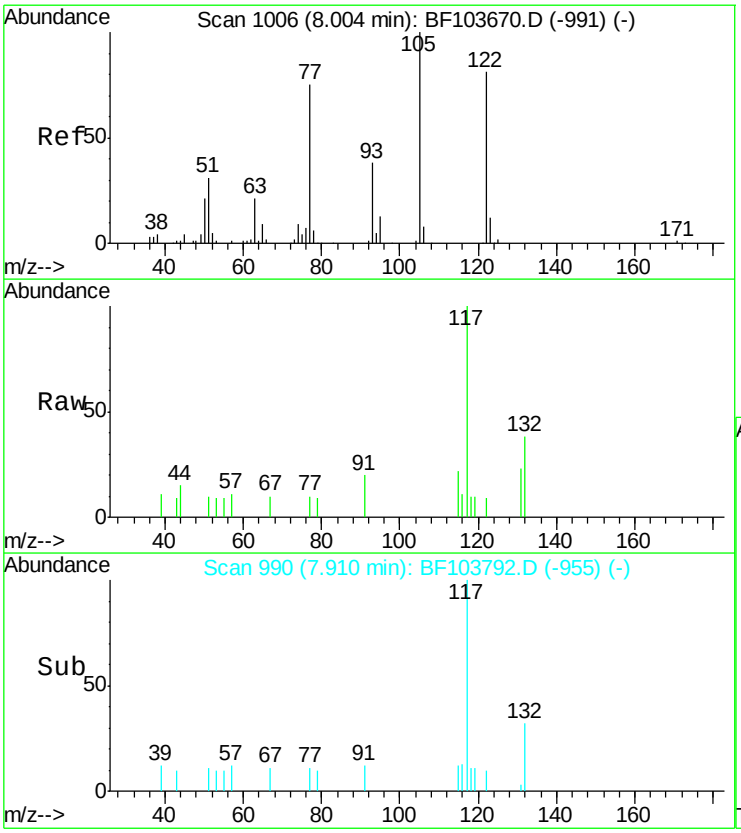
#31
Naphthalene
Concen: 47.611 ng
RT: 8.27 min Scan# 1052
Delta R.T. 0.00 min
Lab File: BF103792.D
Acq: 20 Mar 2018 8:36

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:128 Resp: 1287131

Ion	Ratio	Lower	Upper
128	100		
129	11.5	8.8	13.2
127	13.6	10.9	16.3

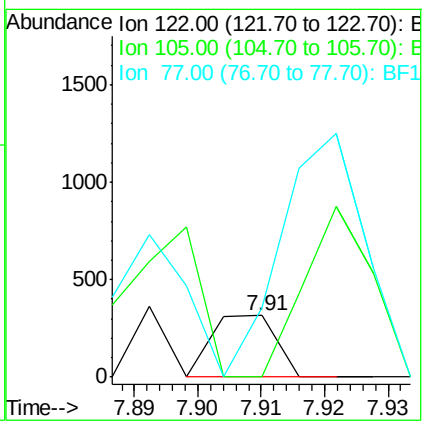


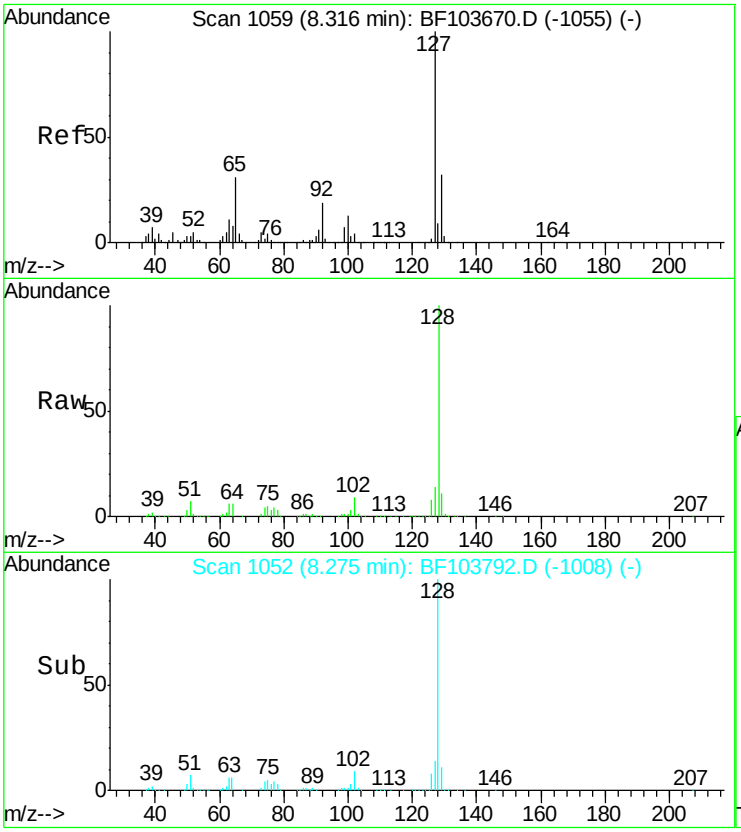


#32
Benzoic acid
Concen: 9.938 ng
RT: 7.91 min Scan# 990
Delta R.T. -0.09 min
Lab File: BF103792.D
Acq: 20 Mar 2018 8:36

Tgt Ion:122 Resp: 222

Ion	Ratio	Lower	Upper
122	100		
105	0.0	101.1	141.1#
77	112.0	70.7	110.7#



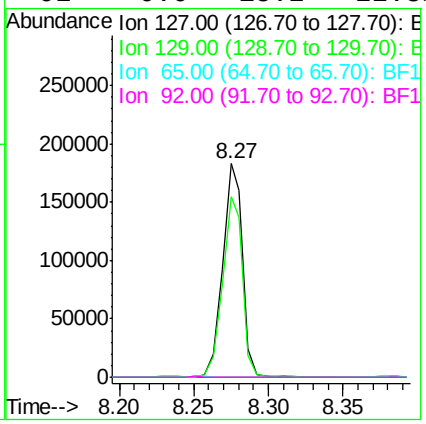


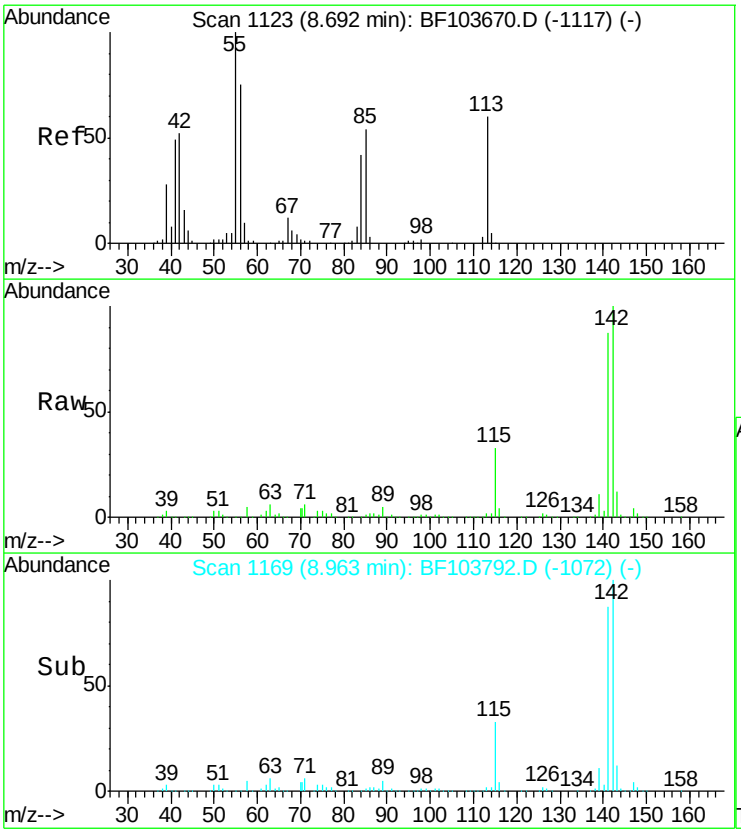
#33
4-Chloroaniline
Concen: 15.190 ng
RT: 8.27 min Scan# 1052
Delta R.T. -0.04 min
Lab File: BF103792.D
Acq: 20 Mar 2018 8:36

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:127 Resp: 172288

Ion	Ratio	Lower	Upper
127	100		
129	84.5	25.9	38.9#
65	0.0	25.0	37.4#
92	0.0	15.2	22.8#

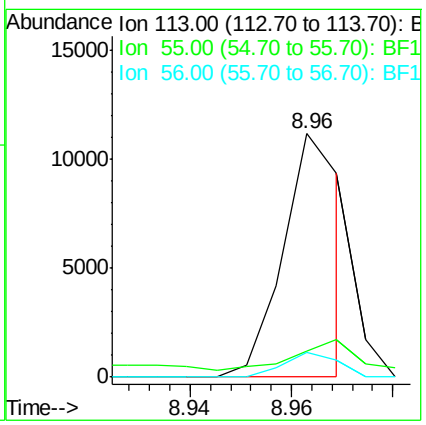


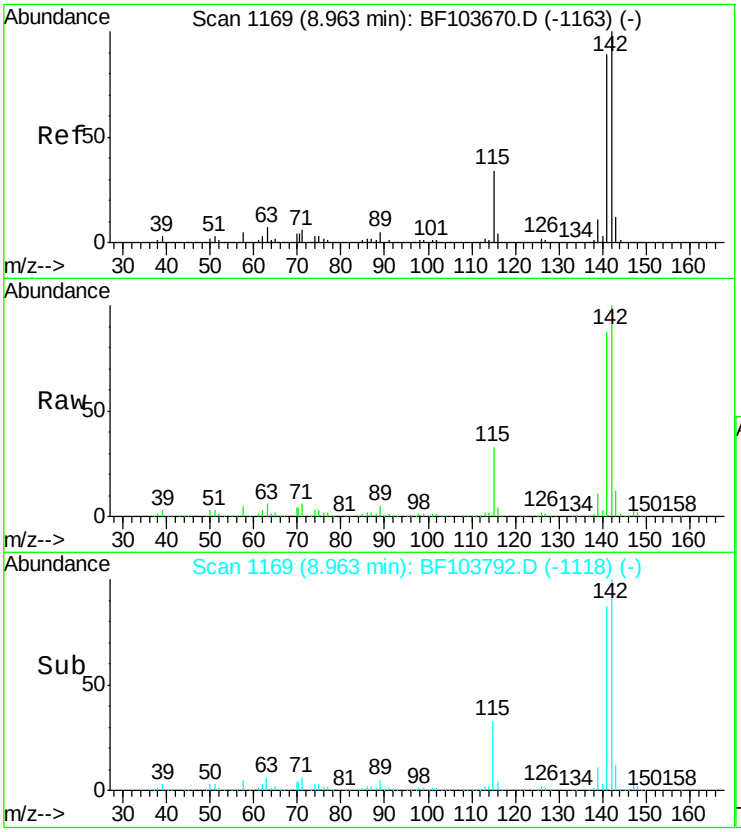


#35
Caprolactam
Concen: 3.741 ng
RT: 8.96 min Scan# 1169
Delta R.T. 0.27 min
Lab File: BF103792.D
Acq: 20 Mar 2018 8:36

Tgt Ion:113 Resp: 8919

Ion	Ratio	Lower	Upper
113	100		
55	10.9	163.3	203.3#
56	10.3	115.7	155.7#



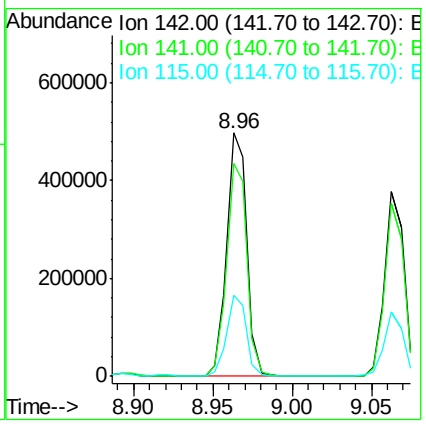


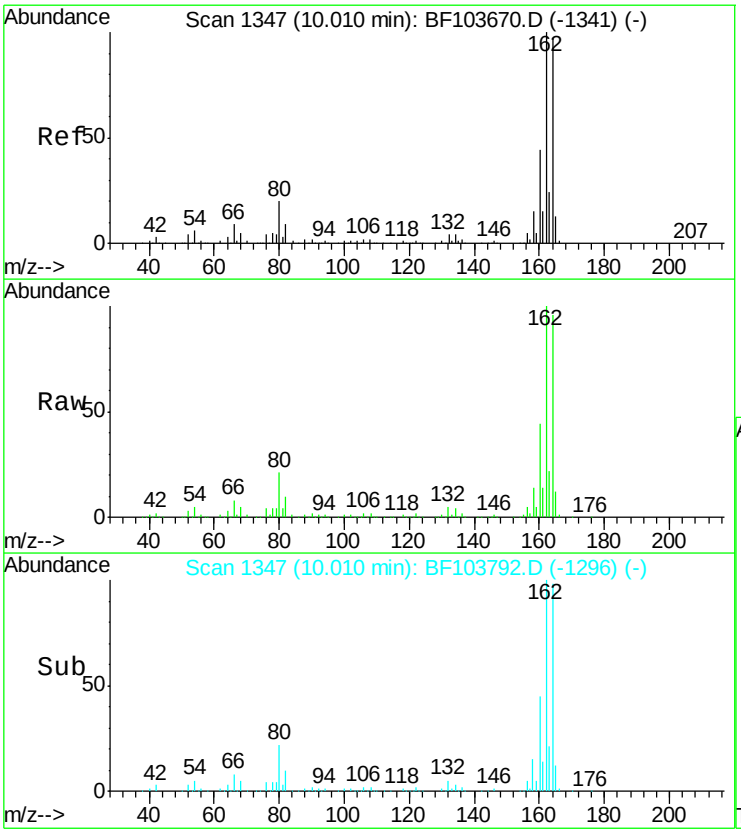
#37
2-Methylnaphthalene
Concen: 25.534 ng
RT: 8.96 min Scan# 1169
Delta R.T. 0.00 min
Lab File: BF103792.D
Acq: 20 Mar 2018 8:36

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:142 Resp: 437766

Ion	Ratio	Lower	Upper
142	100		
141	87.4	70.8	106.2
115	33.3	26.1	39.1

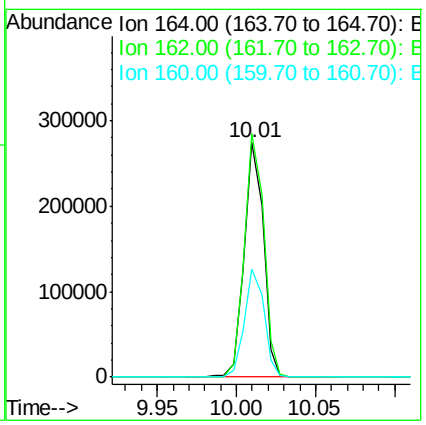


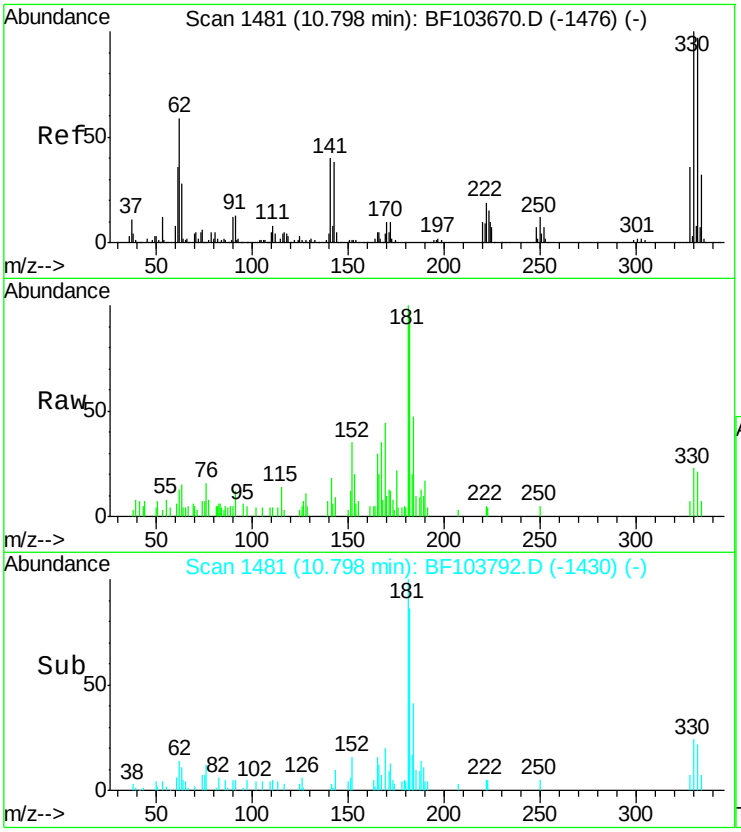


#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.01 min Scan# 1347
Delta R.T. 0.00 min
Lab File: BF103792.D
Acq: 20 Mar 2018 8:36

Tgt Ion:164 Resp: 231406

Ion	Ratio	Lower	Upper
164	100		
162	103.9	86.1	129.1
160	46.1	38.3	57.5



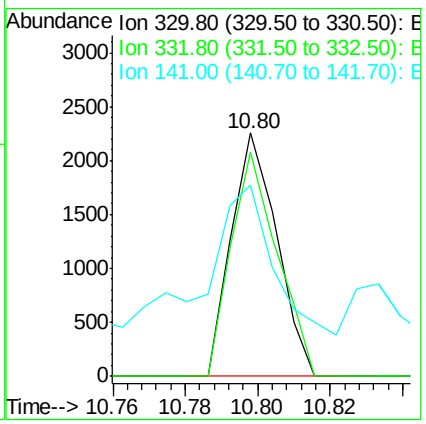


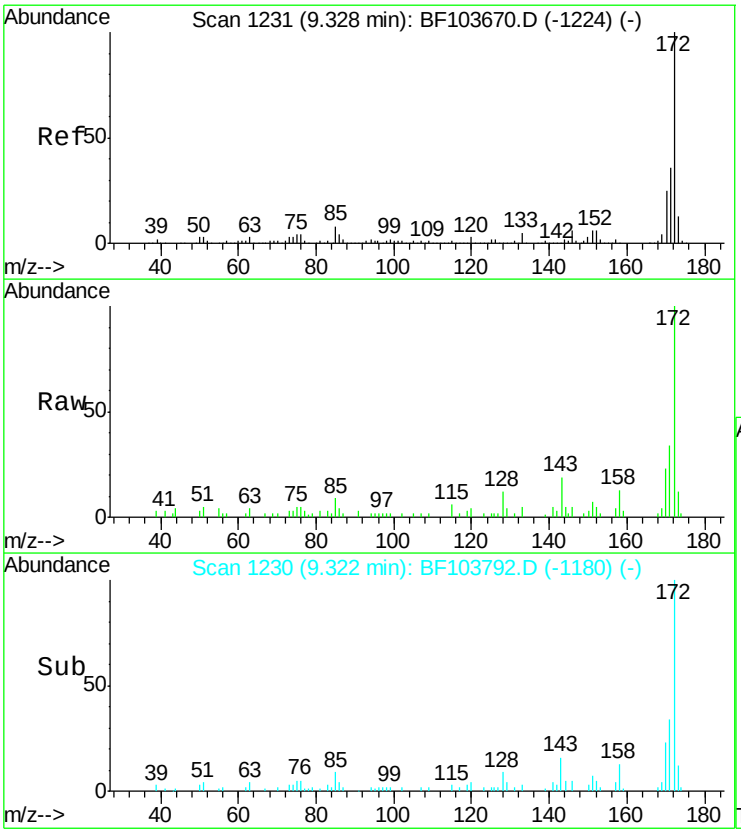
#41
2,4,6-Tribromophenol
Concen: 0.983 ng
RT: 10.80 min Scan# 1481
Delta R.T. 0.00 min
Lab File: BF103792.D
Acq: 20 Mar 2018 8:36

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:330 Resp: 1956

Ion	Ratio	Lower	Upper
330	100		
332	94.2	77.0	115.6
141	89.3	29.9	44.9#

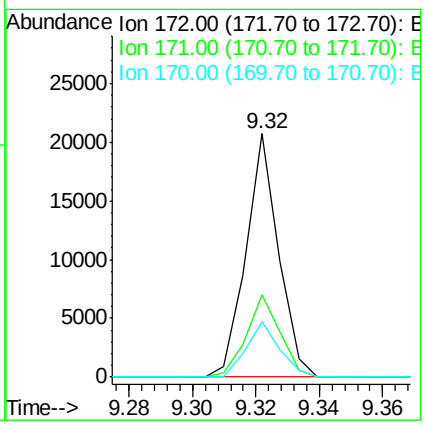


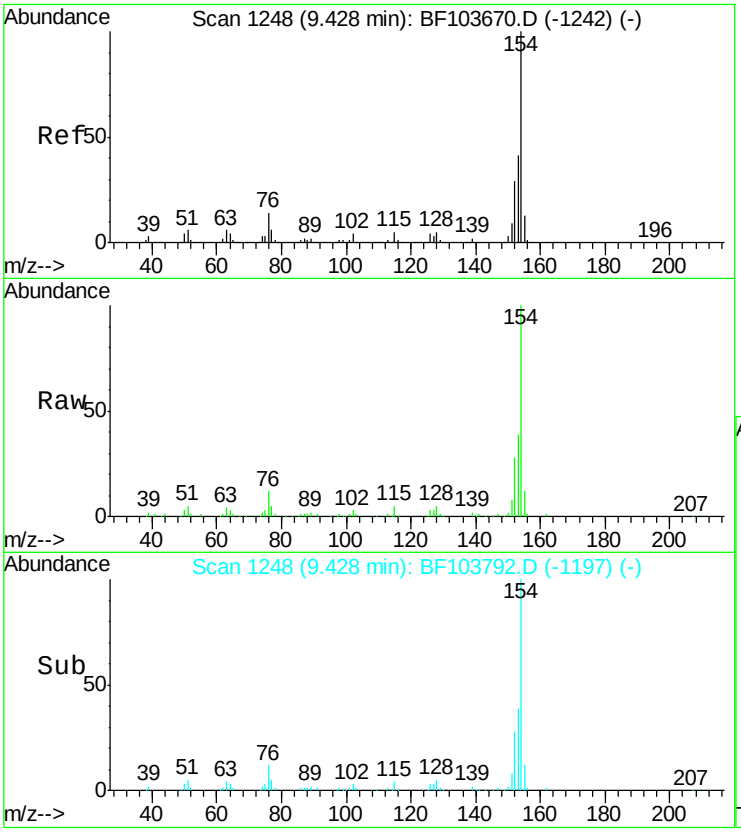


#44
2-Fluorobiphenyl
Concen: 1.016 ng
RT: 9.32 min Scan# 1230
Delta R.T. -0.01 min
Lab File: BF103792.D
Acq: 20 Mar 2018 8:36

Tgt Ion:172 Resp: 14736

Ion	Ratio	Lower	Upper
172	100		
171	33.6	29.7	44.5
170	22.8	19.6	29.4



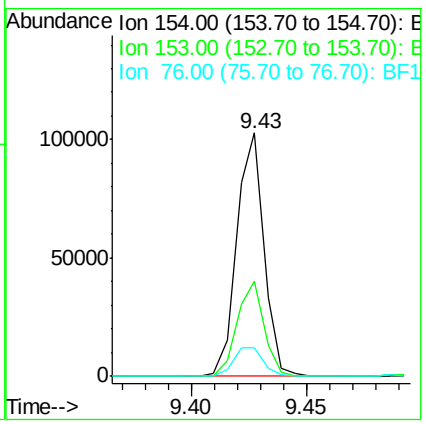


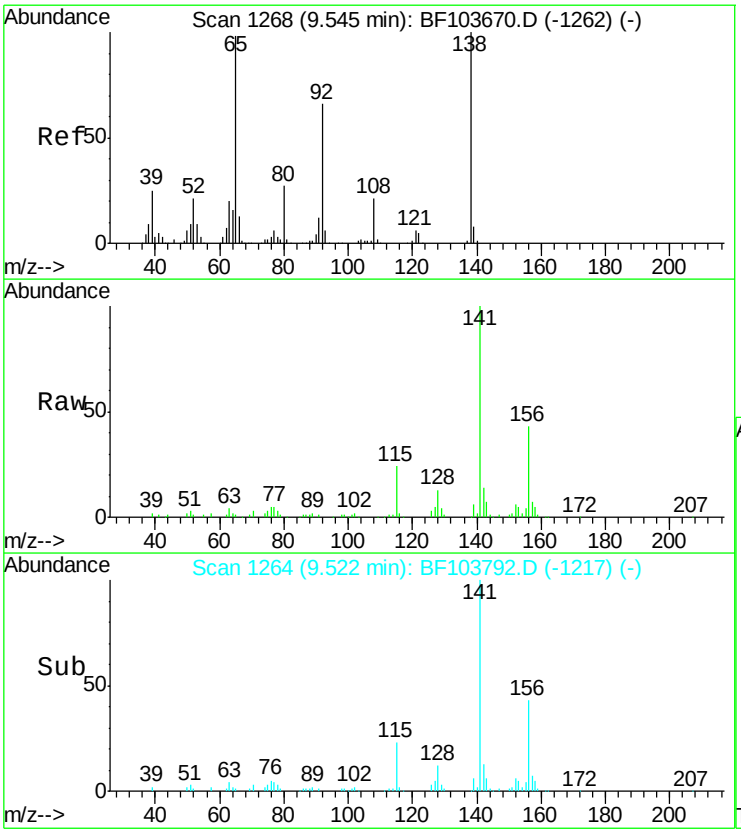
#45
1,1'-Biphenyl
Concen: 4.376 ng
RT: 9.43 min Scan# 1248
Delta R.T. 0.00 min
Lab File: BF103792.D
Acq: 20 Mar 2018 8:36

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:154 Resp: 84438

Ion	Ratio	Lower	Upper
154	100		
153	39.0	21.3	61.3
76	11.9	0.0	34.0

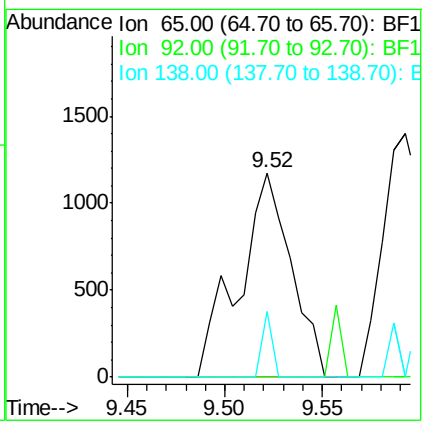


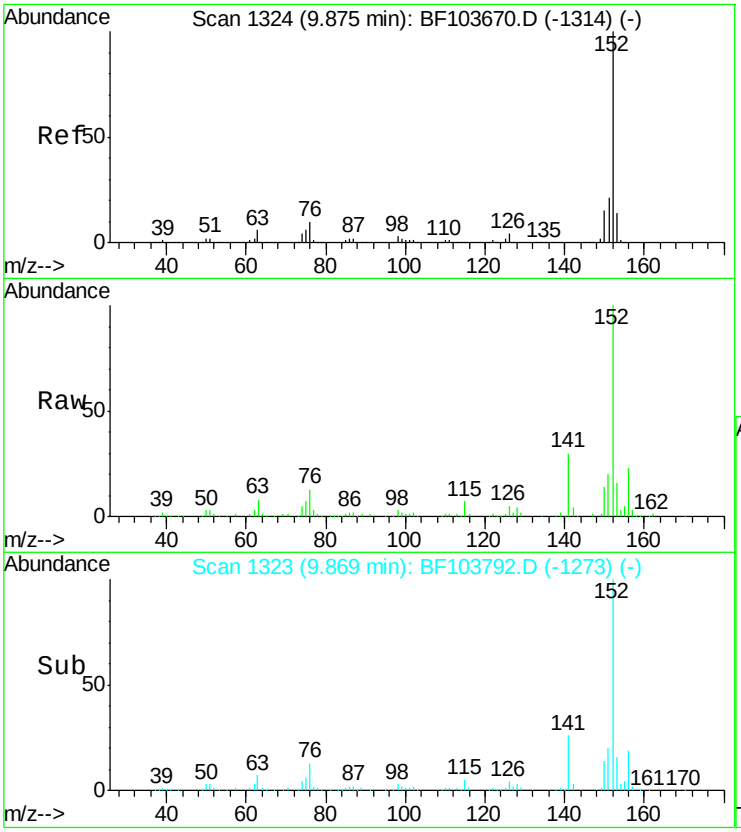


#47
2-Nitroaniline
Concen: 7.281 ng
RT: 9.52 min Scan# 1264
Delta R.T. -0.02 min
Lab File: BF103792.D
Acq: 20 Mar 2018 8:36

Tgt Ion: 65 Resp: 2181

Ion	Ratio	Lower	Upper
65	100		
92	0.0	55.8	83.6#
138	32.3	91.2	136.8#



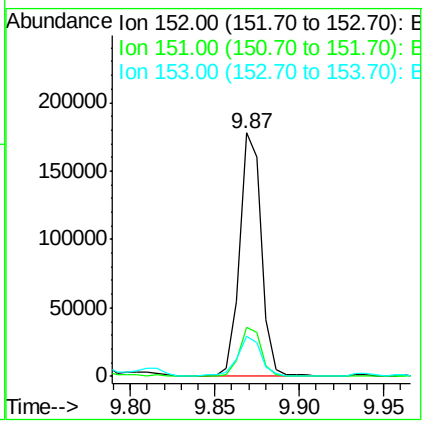


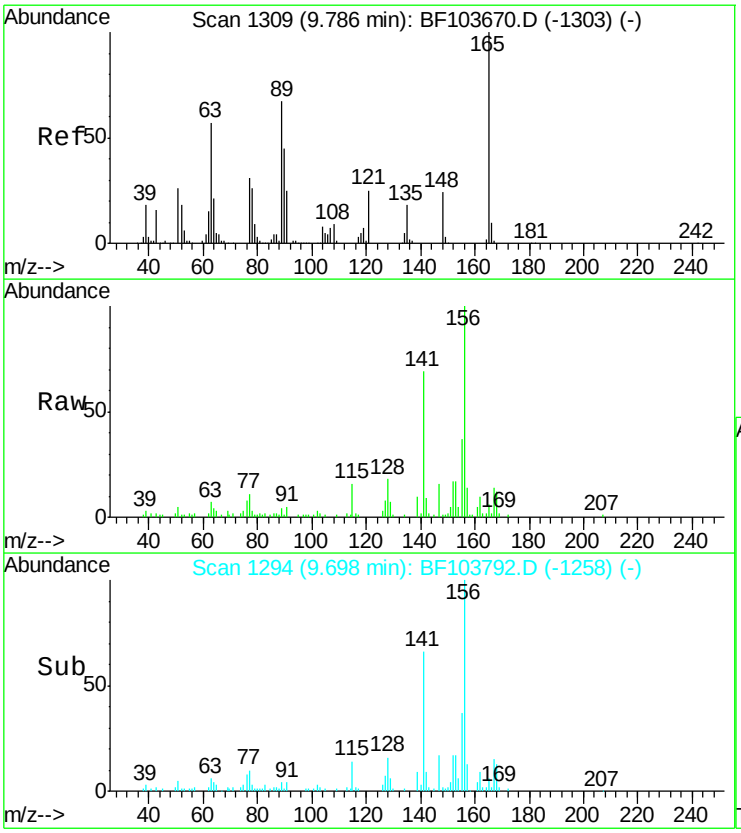
#48
Acenaphthylene
Concen: 6.726 ng
RT: 9.87 min Scan# 1323
Delta R.T. -0.01 min
Lab File: BF103792.D
Acq: 20 Mar 2018 8:36

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:152 Resp: 159845

Ion	Ratio	Lower	Upper
152	100		
151	20.0	16.3	24.5
153	16.3	10.7	16.1#

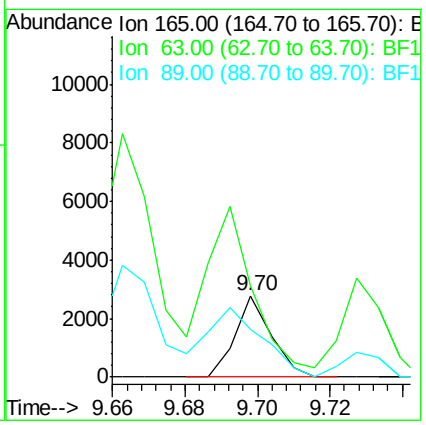


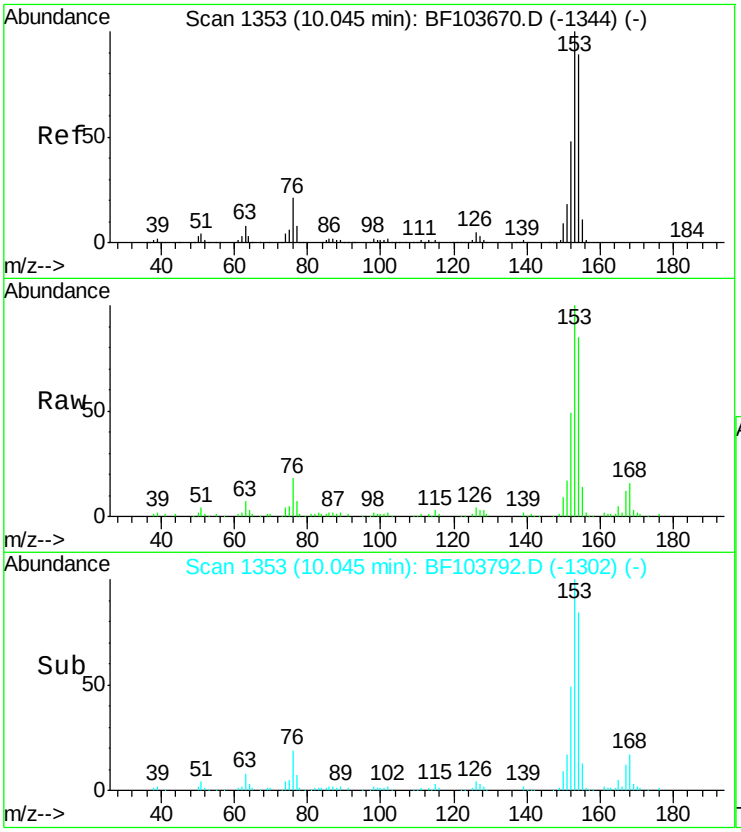


#50
2,6-Dinitrotoluene
Concen: 4.496 ng
RT: 9.70 min Scan# 1294
Delta R.T. -0.09 min
Lab File: BF103792.D
Acq: 20 Mar 2018 8:36

Tgt Ion:165 Resp: 1909

Ion	Ratio	Lower	Upper
165	100		
63	112.3	44.7	67.1#
89	59.3	44.0	66.0



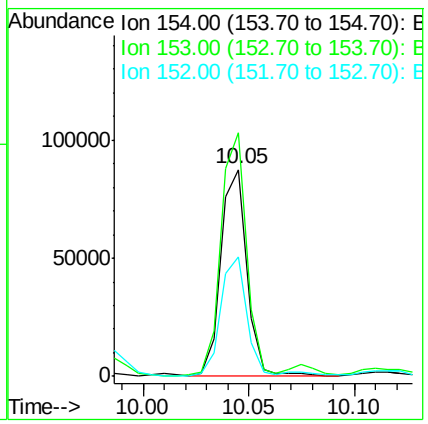


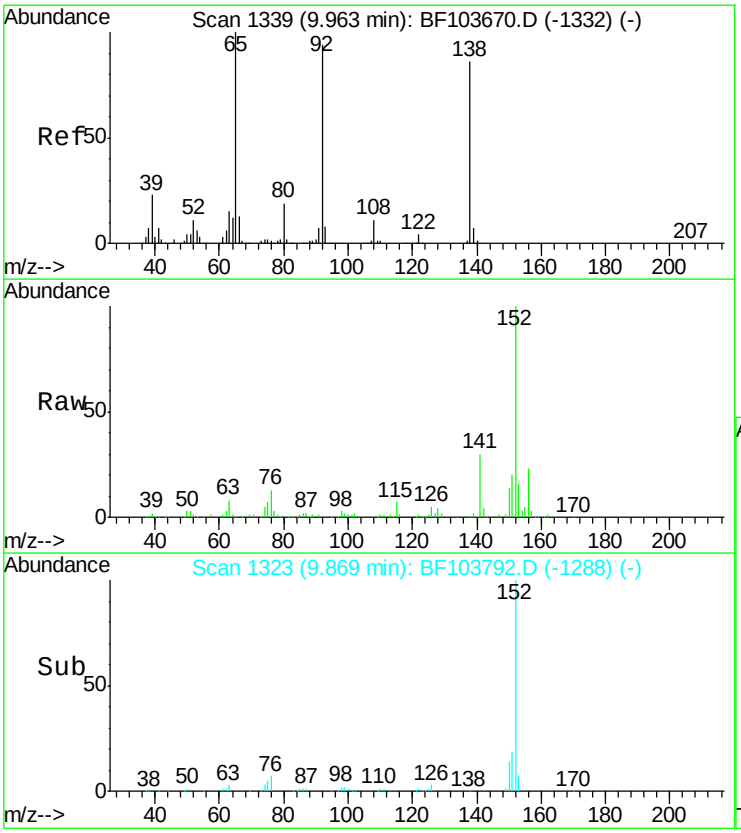
#51
Acenaphthene
Concen: 5.327 ng
RT: 10.05 min Scan# 1353
Delta R.T. 0.00 min
Lab File: BF103792.D
Acq: 20 Mar 2018 8:36

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:154 Resp: 75171

Ion	Ratio	Lower	Upper
154	100		
153	117.8	91.2	136.8
152	57.8	43.8	65.8

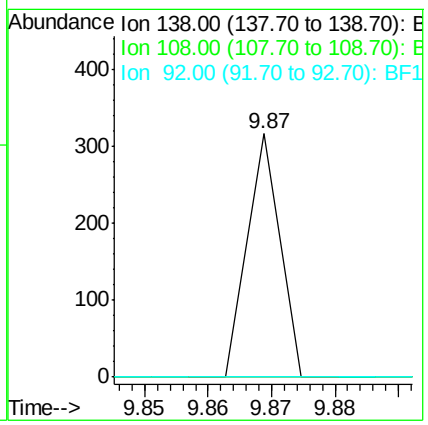


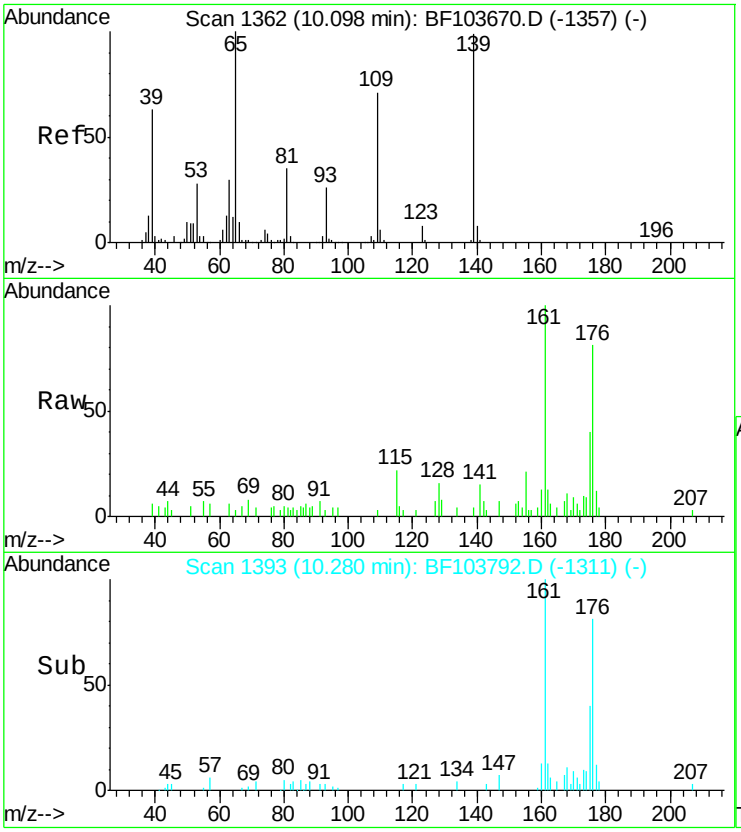


#52
3-Nitroaniline
Concen: 3.840 ng
RT: 9.87 min Scan# 1323
Delta R.T. -0.09 min
Lab File: BF103792.D
Acq: 20 Mar 2018 8:36

Tgt Ion:138 Resp: 112

Ion	Ratio	Lower	Upper
138	100		
108	0.0	9.4	14.0#
92	0.0	89.4	134.2#



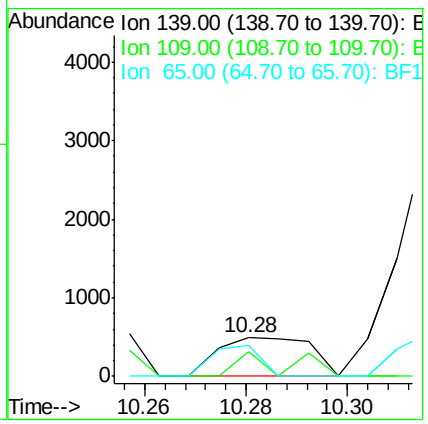


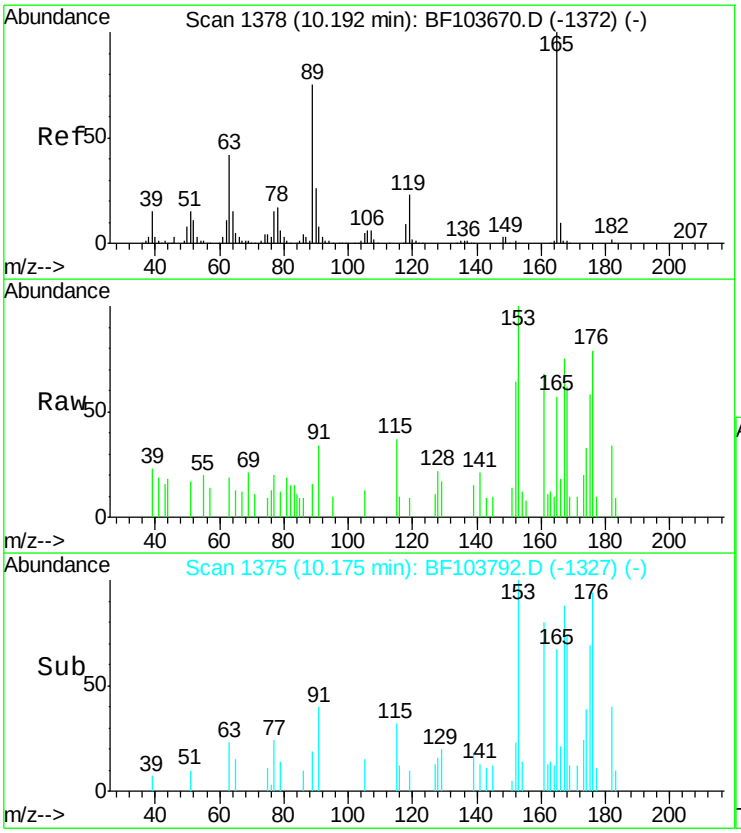
#55
4-Nitrophenol
Concen: 5.152 ng
RT: 10.28 min Scan# 1393
Delta R.T. 0.18 min
Lab File: BF103792.D
Acq: 20 Mar 2018 8:36

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:139 Resp: 628

Ion	Ratio	Lower	Upper
139	100		
109	64.8	48.4	88.4
65	80.2	72.6	112.6

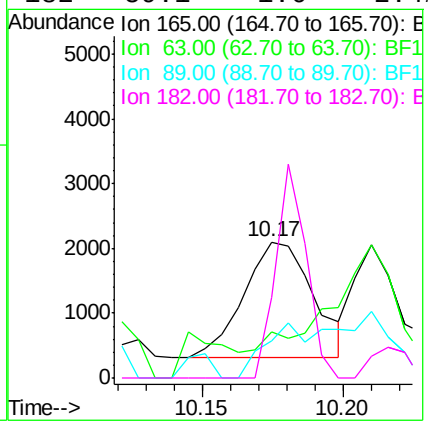


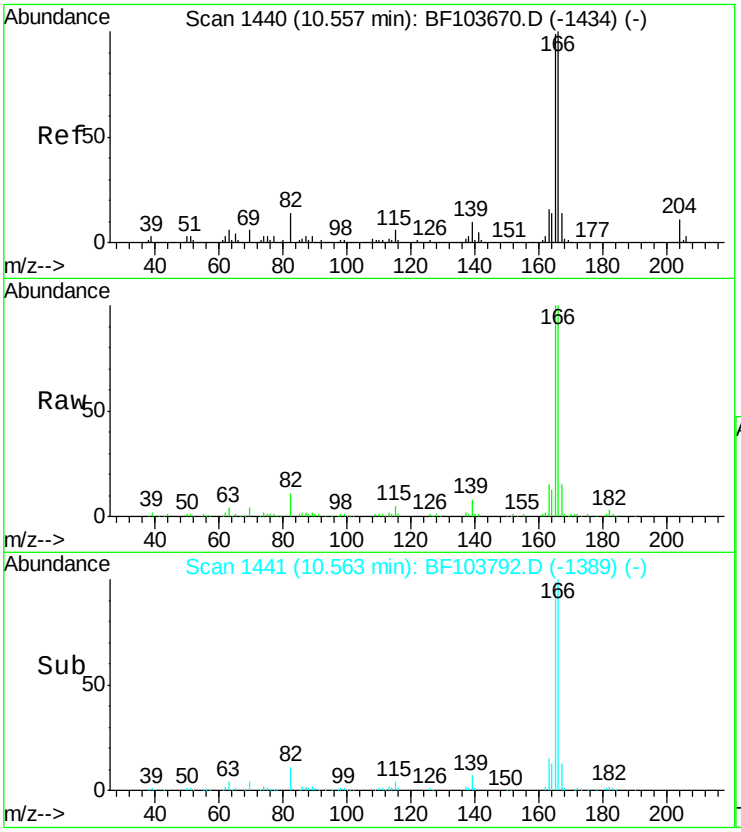


#56
2,4-Dinitrotoluene
Concen: 6.822 ng
RT: 10.17 min Scan# 1375
Delta R.T. -0.02 min
Lab File: BF103792.D
Acq: 20 Mar 2018 8:36

Tgt Ion:165 Resp: 3025

Ion	Ratio	Lower	Upper
165	100		
63	34.1	36.4	54.6#
89	27.7	57.8	86.6#
182	59.1	1.6	2.4#



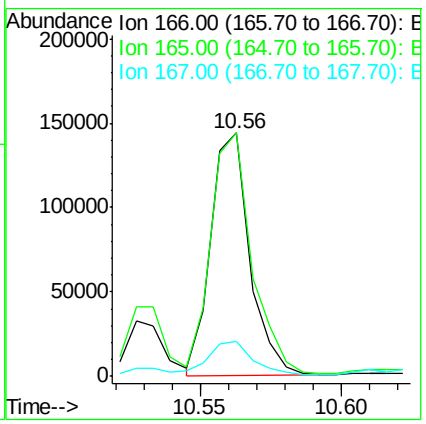


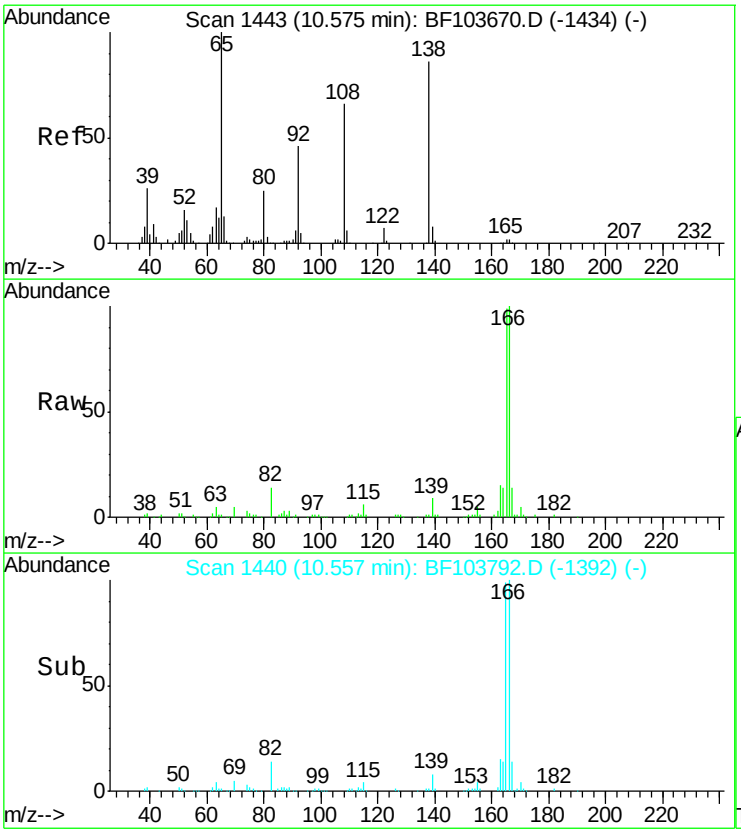
#57
Fluorene
Concen: 8.760 ng
RT: 10.56 min Scan# 1441
Delta R.T. 0.01 min
Lab File: BF103792.D
Acq: 20 Mar 2018 8:36

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:166 Resp: 136997

Ion	Ratio	Lower	Upper
166	100		
165	99.9	79.8	119.8
167	14.5	10.6	16.0

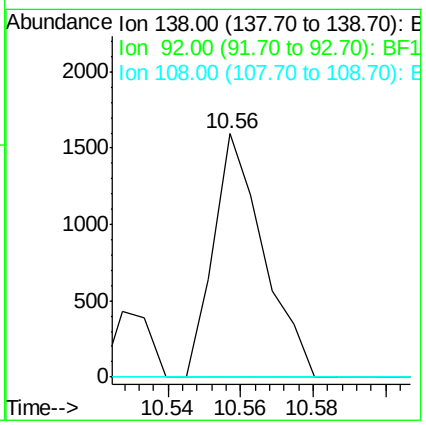


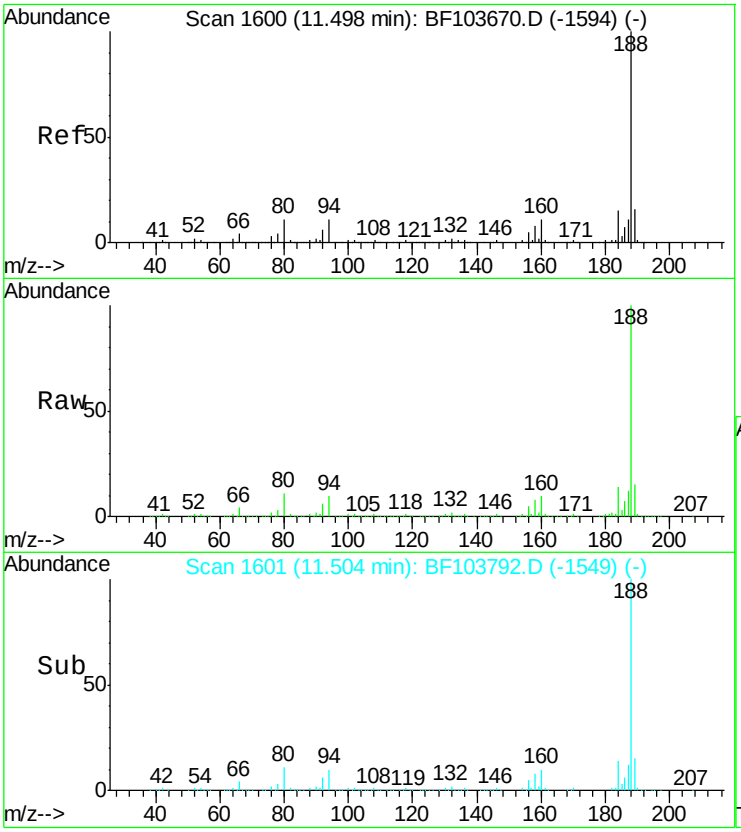


#61
4-Nitroaniline
Concen: 4.108 ng
RT: 10.56 min Scan# 1440
Delta R.T. -0.02 min
Lab File: BF103792.D
Acq: 20 Mar 2018 8:36

Tgt Ion:138 Resp: 1532

Ion	Ratio	Lower	Upper
138	100		
92	0.0	30.2	70.2#
108	0.0	52.5	92.5#



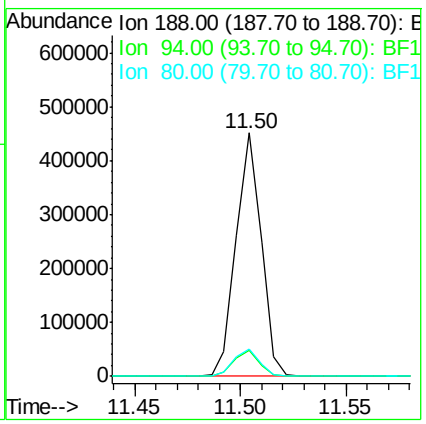


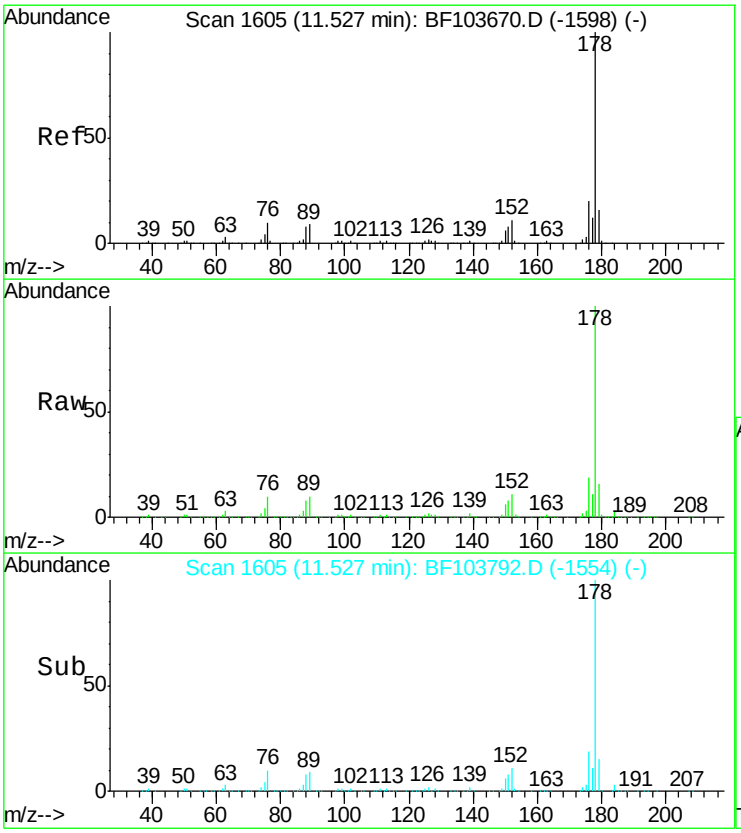
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.50 min Scan# 1601
Delta R.T. 0.01 min
Lab File: BF103792.D
Acq: 20 Mar 2018 8:36

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:188 Resp: 371560

Ion	Ratio	Lower	Upper
188	100		
94	10.5	8.5	12.7
80	11.1	9.2	13.8

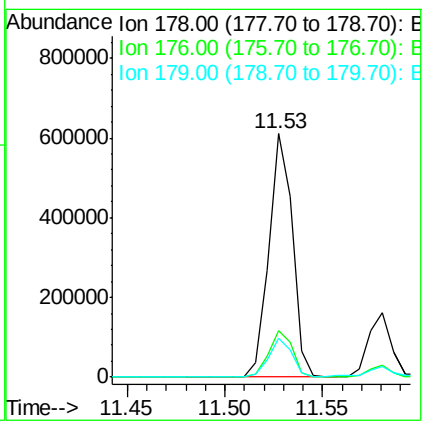


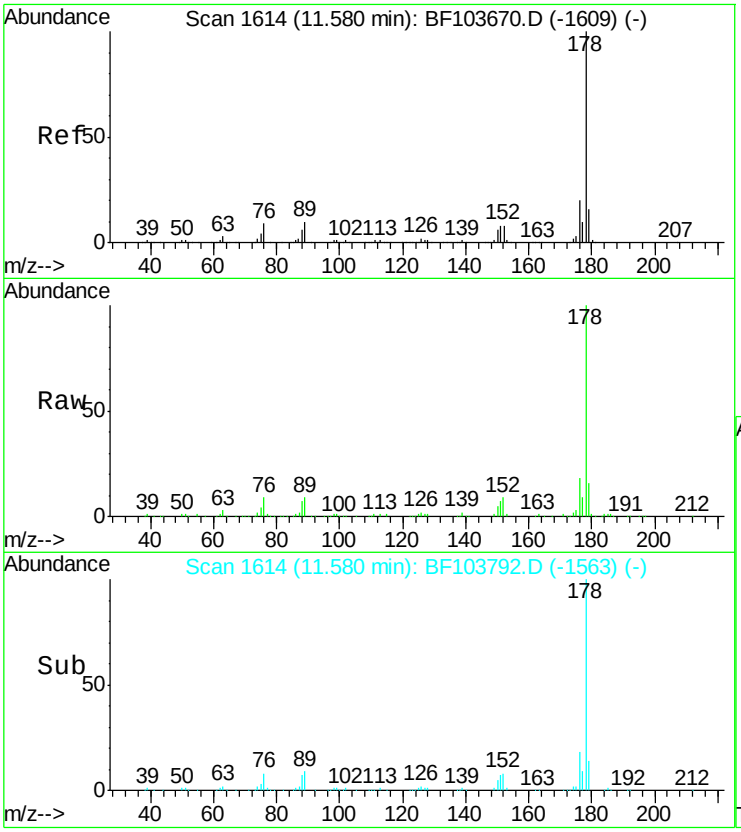


#70
Phenanthrene
Concen: 25.139 ng
RT: 11.53 min Scan# 1605
Delta R.T. 0.00 min
Lab File: BF103792.D
Acq: 20 Mar 2018 8:36

Tgt Ion:178 Resp: 510948

Ion	Ratio	Lower	Upper
178	100		
176	19.3	15.8	23.8
179	15.8	13.0	19.6



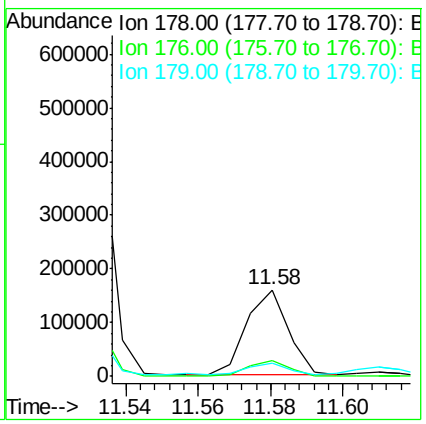


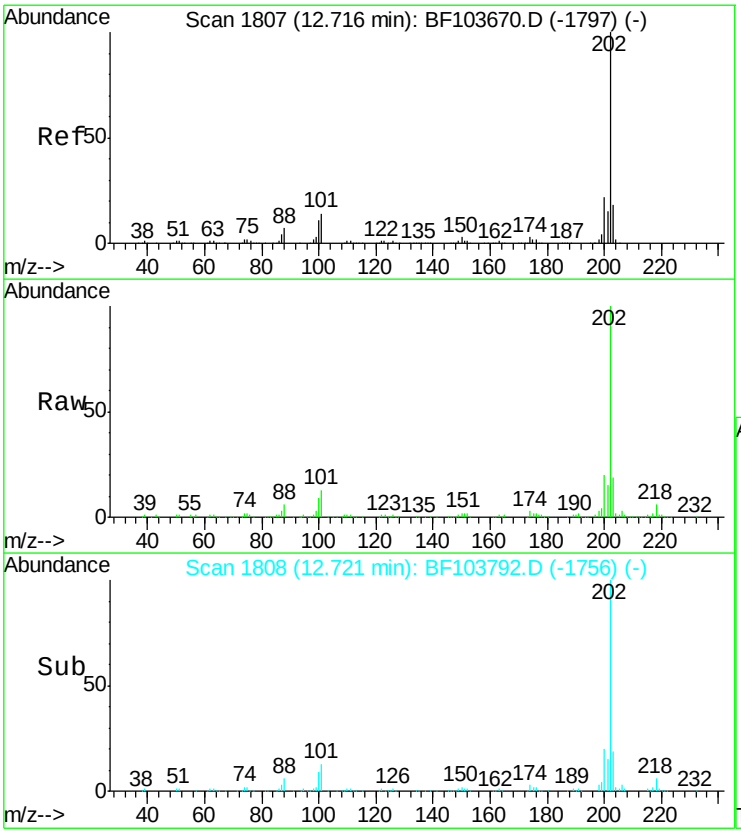
#71
Anthracene
Concen: 6.171 ng
RT: 11.58 min Scan# 1614
Delta R.T. 0.00 min
Lab File: BF103792.D
Acq: 20 Mar 2018 8:36

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:178 Resp: 127397

Ion	Ratio	Lower	Upper
178	100		
176	18.3	15.4	23.2
179	16.0	12.6	19.0

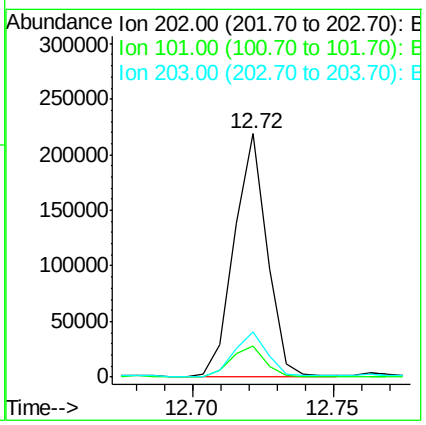


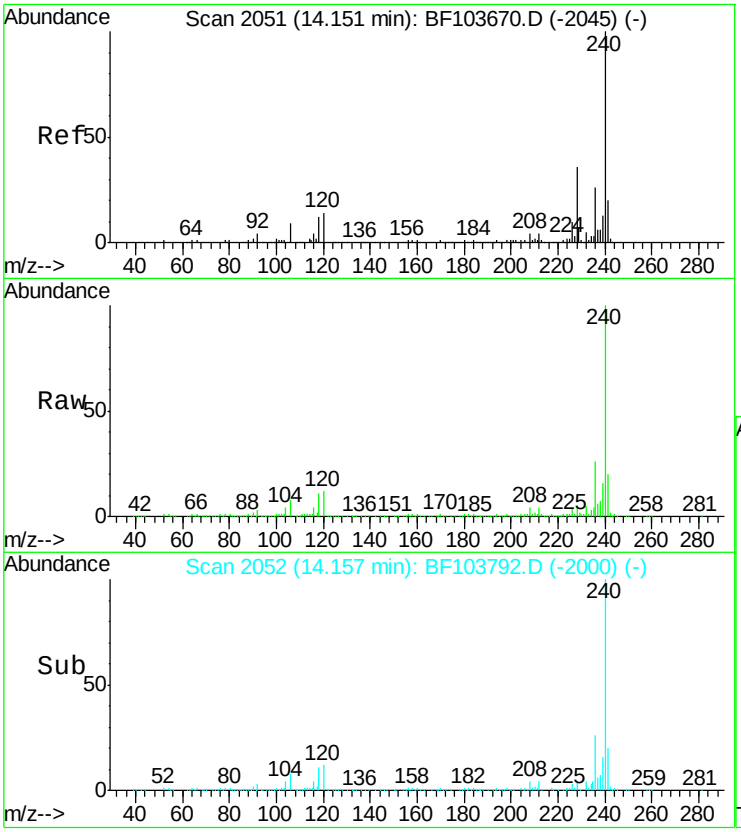


#74
Fluoranthene
Concen: 8.365 ng
RT: 12.72 min Scan# 1808
Delta R.T. 0.01 min
Lab File: BF103792.D
Acq: 20 Mar 2018 8:36

Tgt Ion:202 Resp: 175157

Ion	Ratio	Lower	Upper
202	100		
101	12.8	0.0	34.1
203	18.6	0.0	38.1



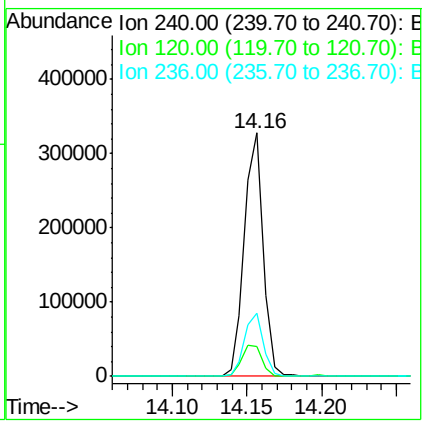


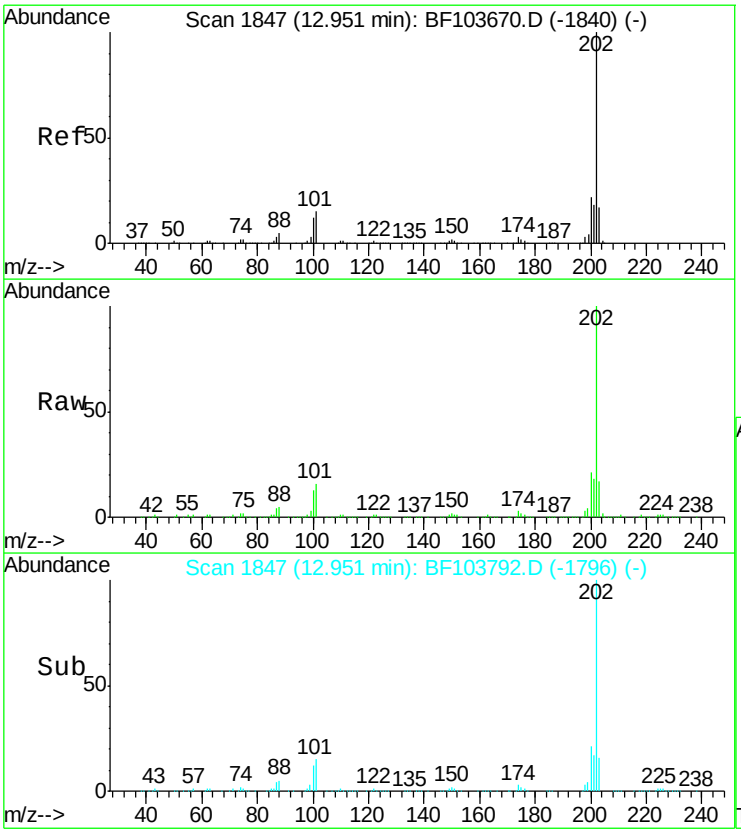
#75
Chrysene-d12
Concen: 20.000 ng
RT: 14.16 min Scan# 2052
Delta R.T. 0.01 min
Lab File: BF103792.D
Acq: 20 Mar 2018 8:36

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:240 Resp: 286949

Ion	Ratio	Lower	Upper
240	100		
120	12.1	9.5	14.3
236	26.0	20.7	31.1

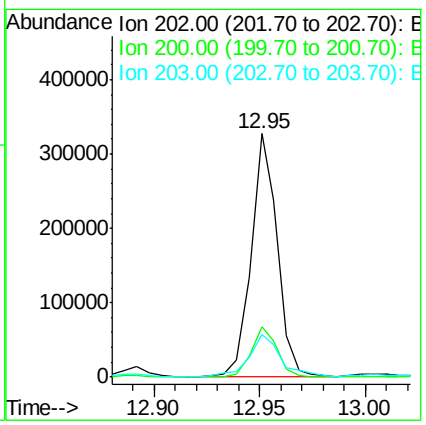


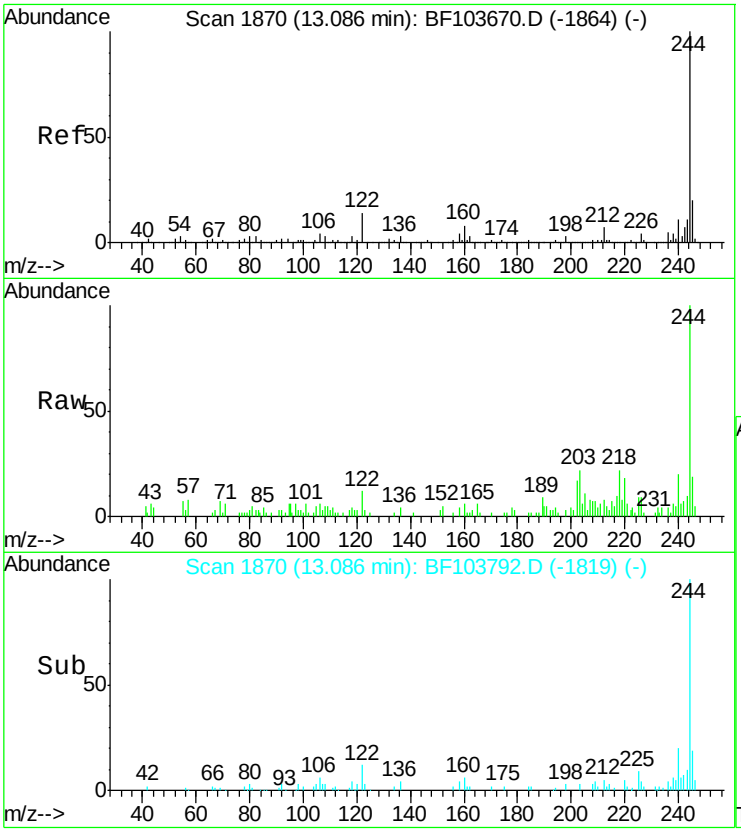


#77
Pyrene
Concen: 13.256 ng
RT: 12.95 min Scan# 1847
Delta R.T. 0.00 min
Lab File: BF103792.D
Acq: 20 Mar 2018 8:36

Tgt Ion:202 Resp: 279350

Ion	Ratio	Lower	Upper
202	100		
200	20.9	17.4	26.2
203	17.4	14.3	21.5



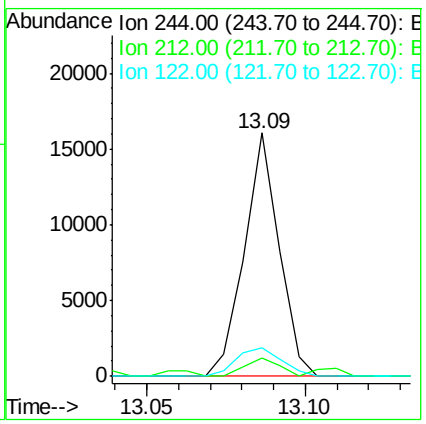


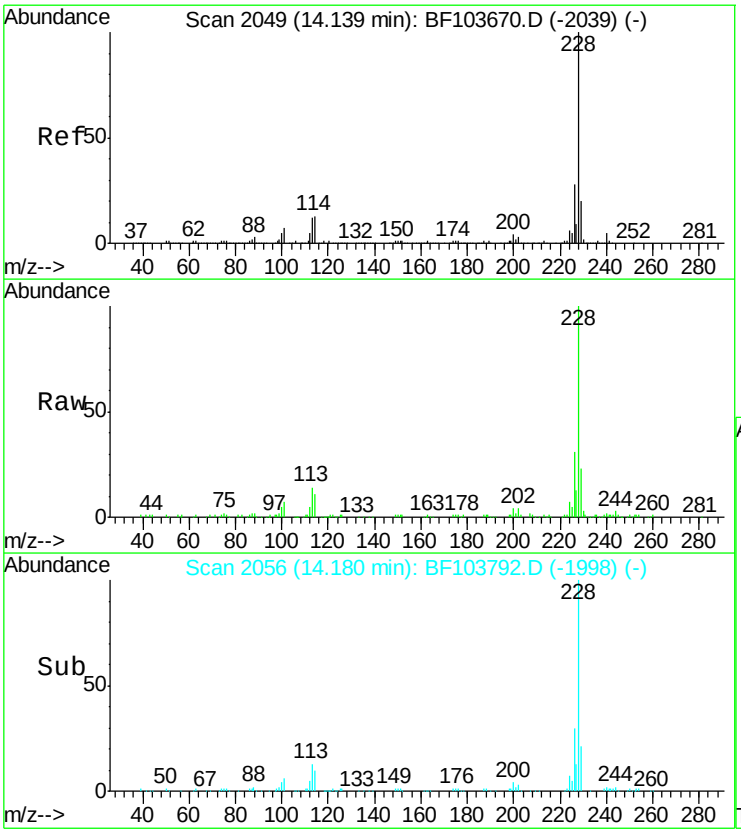
#78
Terphenyl-d14
Concen: 0.990 ng
RT: 13.09 min Scan# 1870
Delta R.T. 0.00 min
Lab File: BF103792.D
Acq: 20 Mar 2018 8:36

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:244 Resp: 12237

Ion	Ratio	Lower	Upper
244	100		
212	7.6	5.4	8.0
122	11.7	11.0	16.4

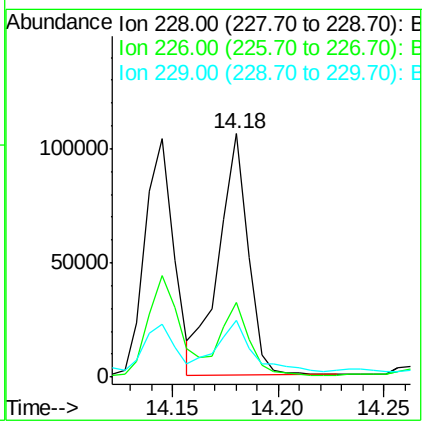


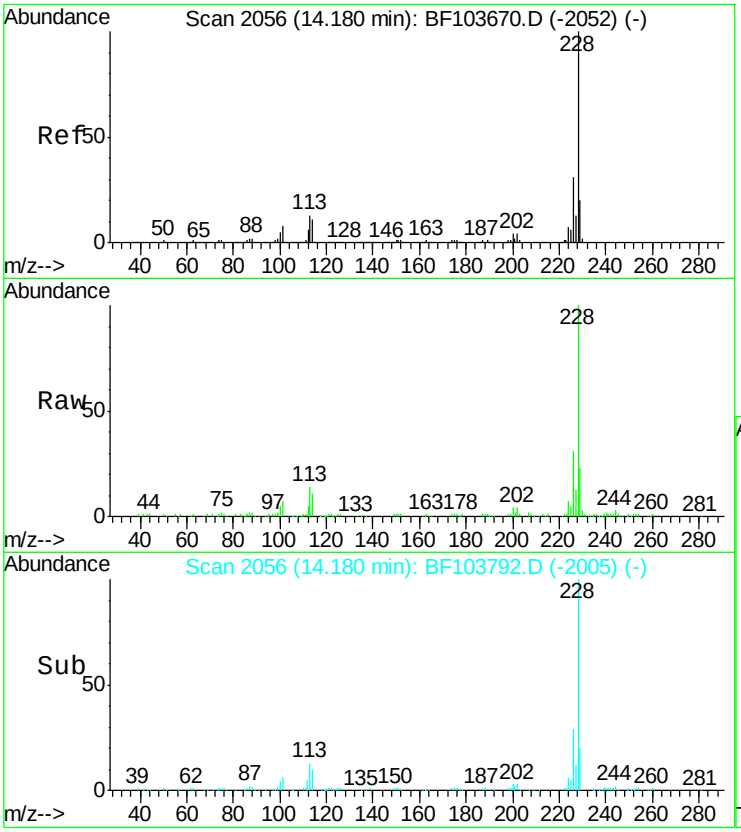


#80
Benzo(a)anthracene
Concen: 5.592 ng
RT: 14.18 min Scan# 2056
Delta R.T. 0.04 min
Lab File: BF103792.D
Acq: 20 Mar 2018 8:36

Tgt Ion:228 Resp: 101572

Ion	Ratio	Lower	Upper
228	100		
226	30.8	22.6	33.8
229	23.2	15.8	23.6



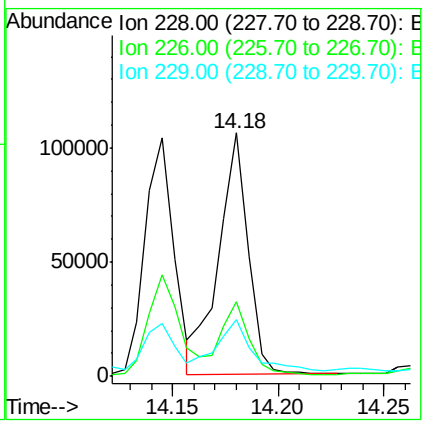


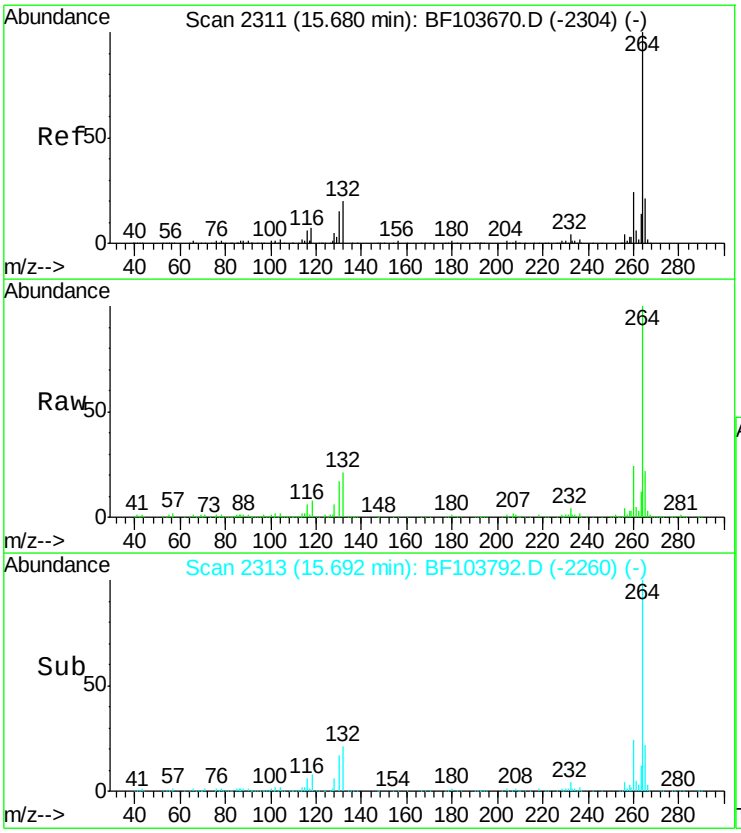
#82
Chrysene
Concen: 5.866 ng
RT: 14.18 min Scan# 2056
Delta R.T. 0.00 min
Lab File: BF103792.D
Acq: 20 Mar 2018 8:36

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:228 Resp: 101572

Ion	Ratio	Lower	Upper
228	100		
226	30.8	25.0	37.6
229	23.2	16.2	24.4

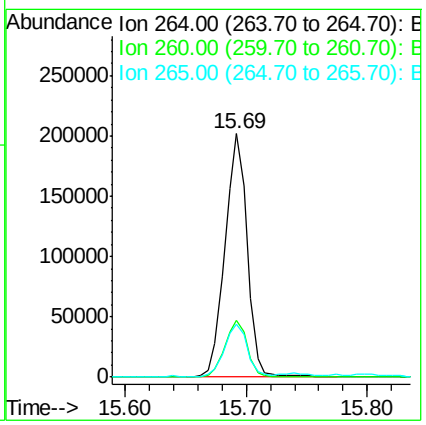


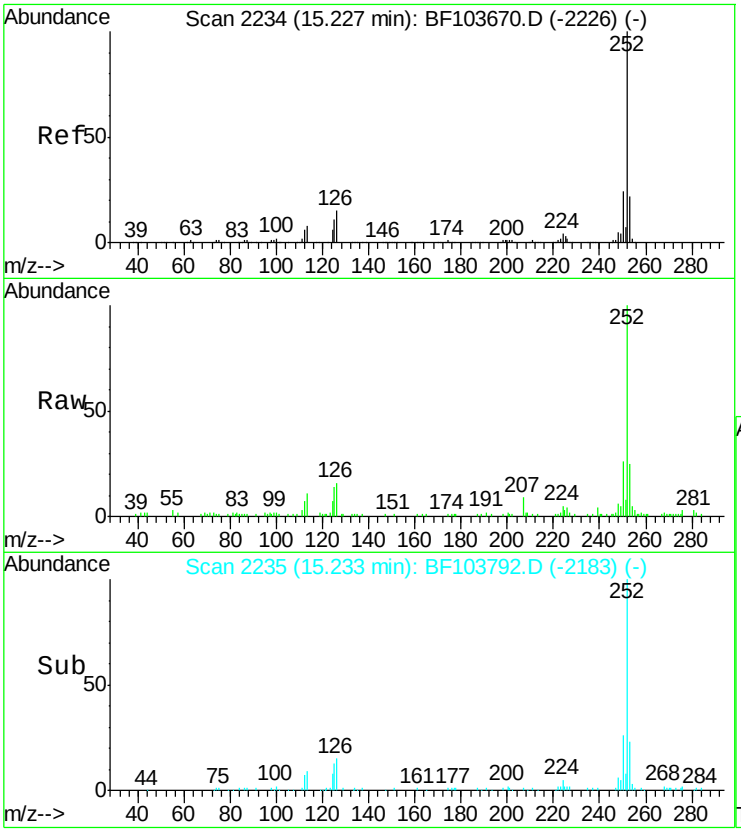


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.69 min Scan# 2313
Delta R.T. 0.01 min
Lab File: BF103792.D
Acq: 20 Mar 2018 8:36

Tgt Ion:264 Resp: 257335

Ion	Ratio	Lower	Upper
264	100		
260	23.5	19.2	28.8
265	21.9	17.5	26.3



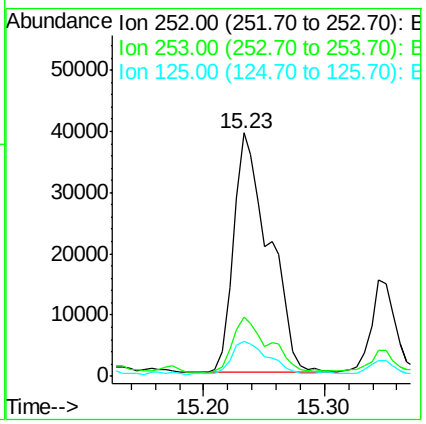


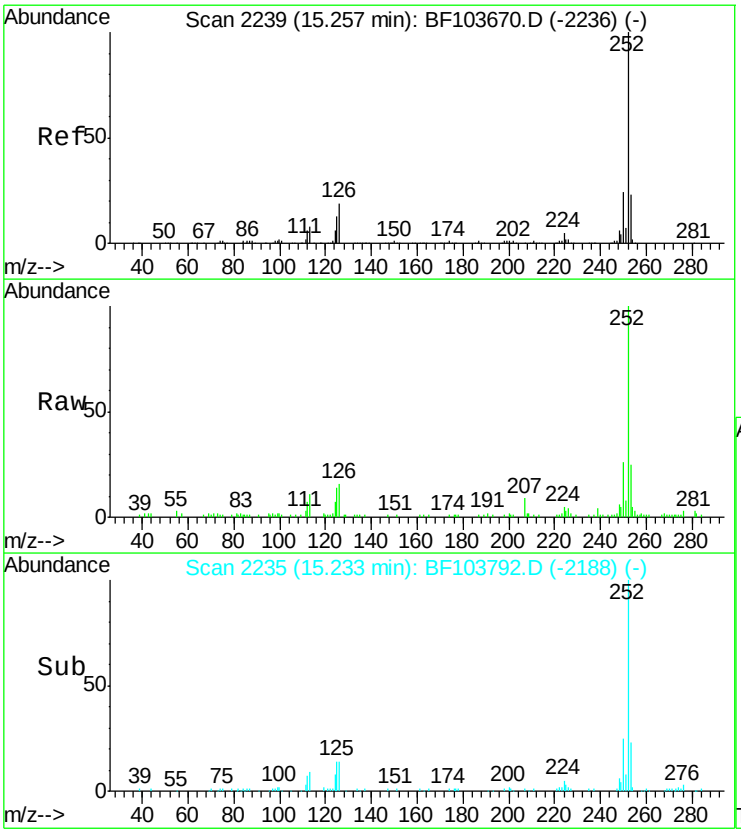
#87
Benzo(b)fluoranthene
Concen: 4.951 ng
RT: 15.23 min Scan# 2235
Delta R.T. 0.01 min
Lab File: BF103792.D
Acq: 20 Mar 2018 8:36

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:252 Resp: 80495

Ion	Ratio	Lower	Upper
252	100		
253	24.6	17.0	25.6
125	14.4	9.0	13.6#

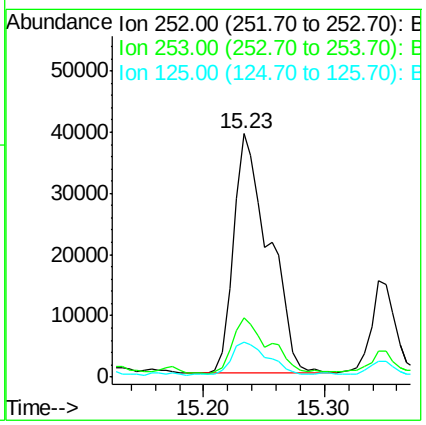


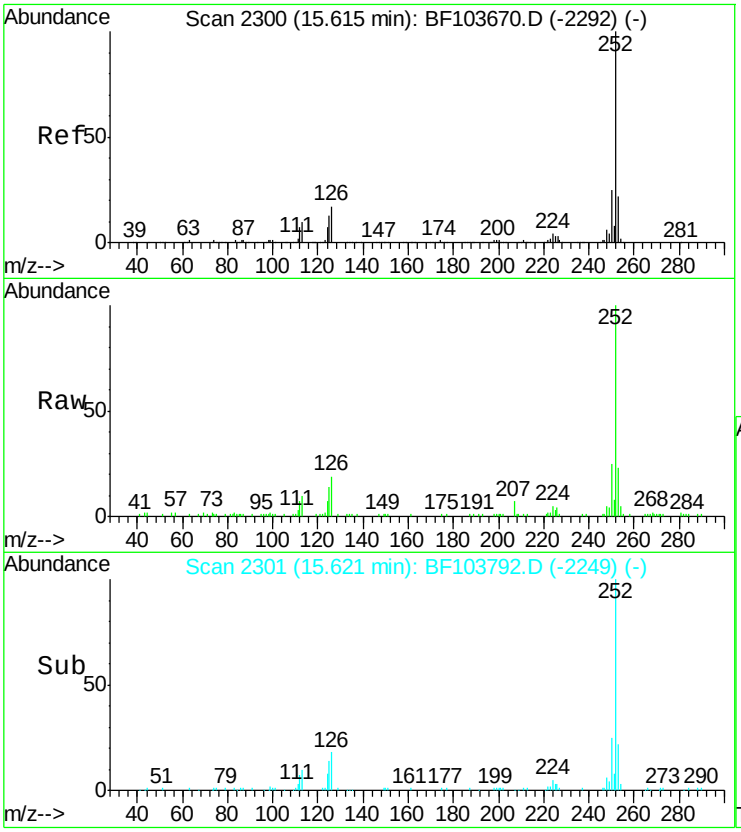


#88
Benzo(k)fluoranthene
Concen: 5.151 ng
RT: 15.23 min Scan# 2235
Delta R.T. -0.02 min
Lab File: BF103792.D
Acq: 20 Mar 2018 8:36

Tgt Ion:252 Resp: 80495

Ion	Ratio	Lower	Upper
252	100		
253	24.6	17.9	26.9
125	14.4	10.2	15.2



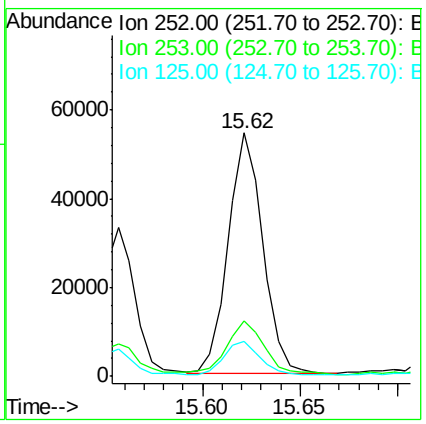


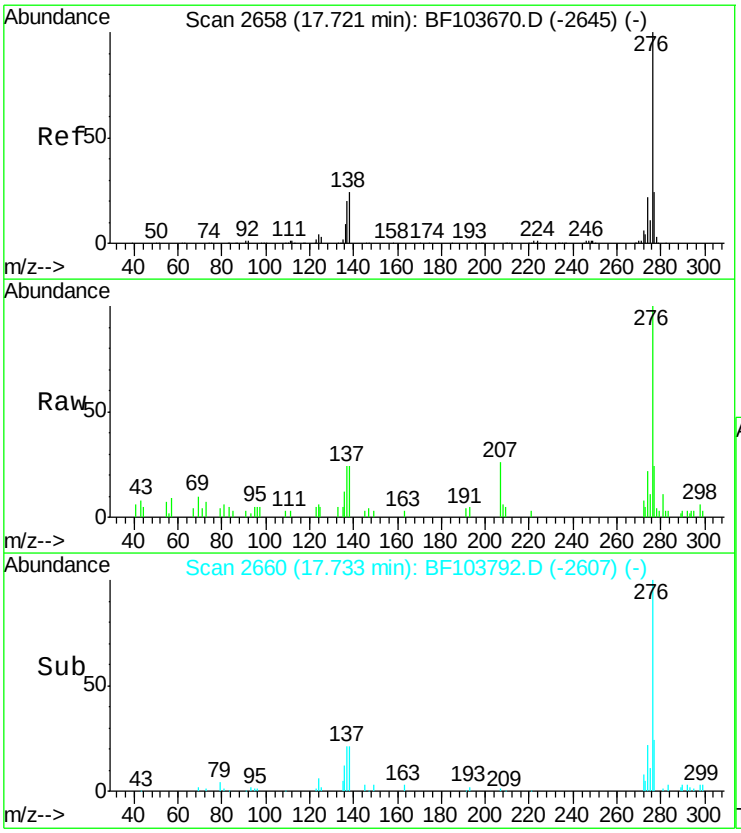
#89
Benzo(a)pyrene
Concen: 4.509 ng
RT: 15.62 min Scan# 2301
Delta R.T. 0.01 min
Lab File: BF103792.D
Acq: 20 Mar 2018 8:36

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:252 Resp: 66494

Ion	Ratio	Lower	Upper
252	100		
253	23.0	17.1	25.7
125	14.2	9.8	14.6





#91
Benzo(g,h,i)perylene
Concen: 2.397 ng
RT: 17.73 min Scan# 2660
Delta R.T. 0.01 min
Lab File: BF103792.D
Acq: 20 Mar 2018 8:36

Tgt Ion:276 Resp: 29774

Ion	Ratio	Lower	Upper
276	100		
277	24.4	17.9	26.9
138	23.7	21.8	32.8