Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA F\DATA\BF021218\
Data File : BF102936.D
Acq On : 12 Feb 2018 23:13
Operator : SJ/JU
Sample : J1522-01 50X
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId :

Quant Time: Feb 13 01:08:15 2018
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF020318.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Feb 05 12:44:16 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.88	152	163928	20.00	ng		0.00
21) Naphthalene-d8	8.17	136	661912	20.00	ng		0.00
38) Acenaphthene-d10	9.92	164	275541	20.00	ng		0.00
63) Phenanthrene-d10	11.41	188	391266	20.00	ng		0.00
75) Chrysene-d12	14.06	240	307690	20.00	ng		0.00
86) Perylene-d12	15.54	264	280244	20.00	ng		0.01
System Monitoring Compounds							
5) 2-Fluorophenol	5.50	112	4011	0.37	ng		0.00
7) Phenol-d6	6.50	99	5389	0.41	ng		0.00
23) Nitrobenzene-d5	7.44	82	3743	0.39	ng		-0.01
41) 2,4,6-Tribromophenol	10.72	330	463	0.21	ng		0.00
44) 2-Fluorobiphenyl	9.24	172	7467	0.45	ng		0.00
78) Terphenyl-d14	12.99	244	5290	0.41	ng		0.00
Target Compounds							Qvalue
10) Phenol	6.52	94	28677	2.06	ng		97
24) Nitrobenzene	7.53	77	693	Below Cal		#	38
31) Naphthalene	8.19	128	2441333	75.49	ng		98
32) Benzoic acid	7.95	122	7148	9.59	ng	#	15
33) 4-Chloroaniline	8.19	127	330041	23.69	ng	#	34
35) Caprolactam	8.88	113	6541	2.23	ng	#	1
37) 2-Methylnaphthalene	8.88	142	291611	13.77	ng		99
45) 1,1'-Biphenyl	9.34	154	93751	4.04	ng		95
47) 2-Nitroaniline	9.43	65	263	3.52	ng	#	2
48) Acenaphthylene	9.79	152	531762	18.74	ng		99
50) 2,6-Dinitrotoluene	9.92	165	38565	9.43	ng	#	26
54) Dibenzofuran	10.13	168	356700	14.91	ng		99
55) 4-Nitrophenol	10.13	139	139771	36.14	ng	#	10
56) 2,4-Dinitrotoluene	10.23	165	1969	3.41	ng	#	65
57) Fluorene	10.47	166	398454	22.90	ng		98
70) Phenanthrene	11.44	178	1410776	64.74	ng		99
71) Anthracene	11.49	178	578012	26.08	ng		99
72) Carbazole	11.64	167	230890	10.63	ng		99
74) Fluoranthene	12.63	202	1090120	49.72	ng		98
77) Pyrene	12.86	202	846499	35.08	ng		99
80) Benzo(a)anthracene	14.08	228	359760	18.59	ng		93
82) Chrysene	14.08	228	359760	18.44	ng		98
85) Indeno(1,2,3-cd)pyrene	17.03	276	120725	7.46	ng		96
87) Benzo(b)fluoranthene	15.10	252	558199	30.72	ng	#	95
88) Benzo(k)fluoranthene	15.10	252	558199	32.15	ng		98
89) Benzo(a)pyrene	15.47	252	298102	18.23	ng		97
90) Dibenzo(a,h)anthracene	17.22	278	27760	2.09	ng		94
91) Benzo(g,h,i)perylene	17.49	276	98570	7.59	ng		99

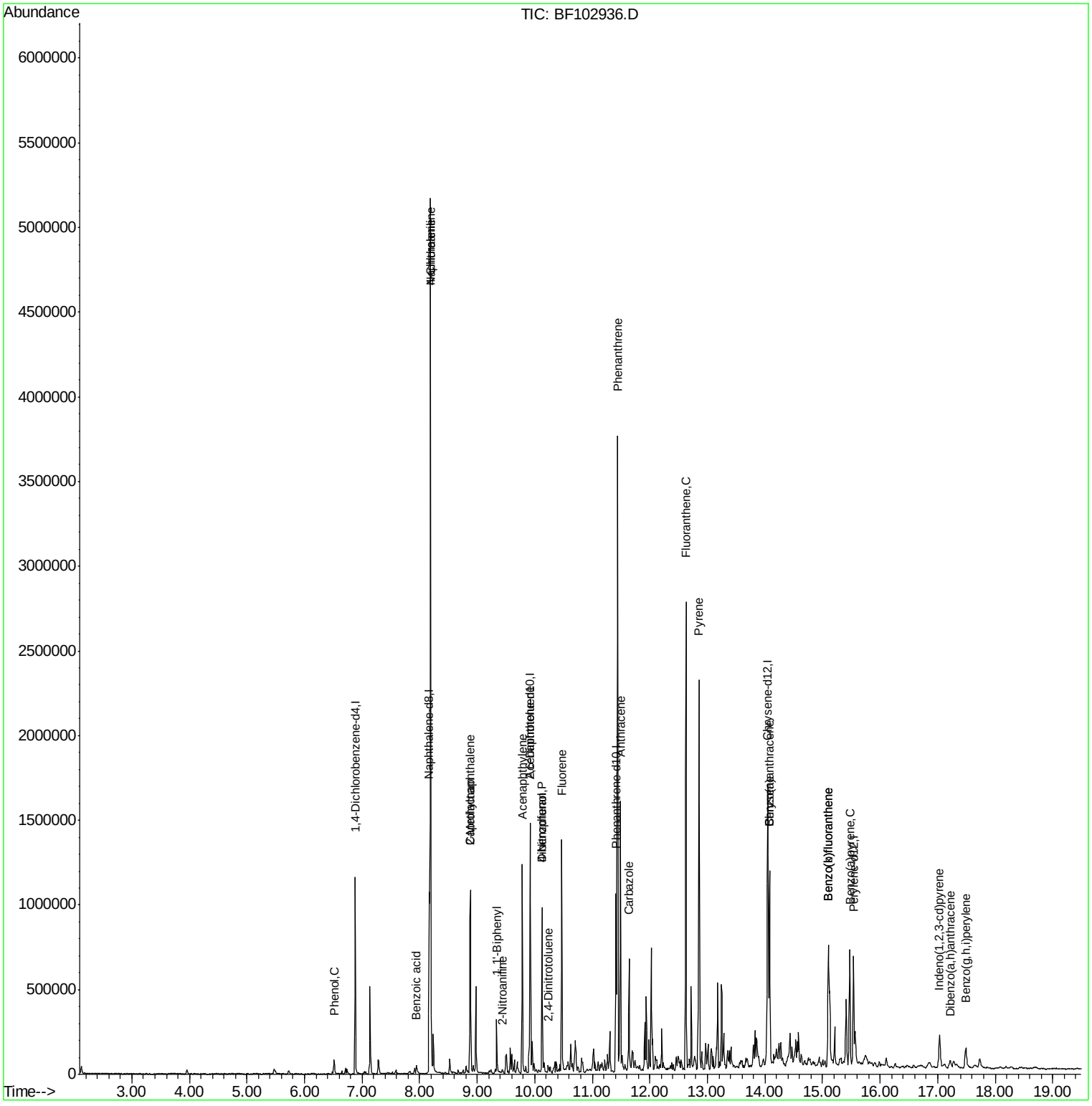
(#) = qualifier out of range (m) = manual integration (+) = signals summed

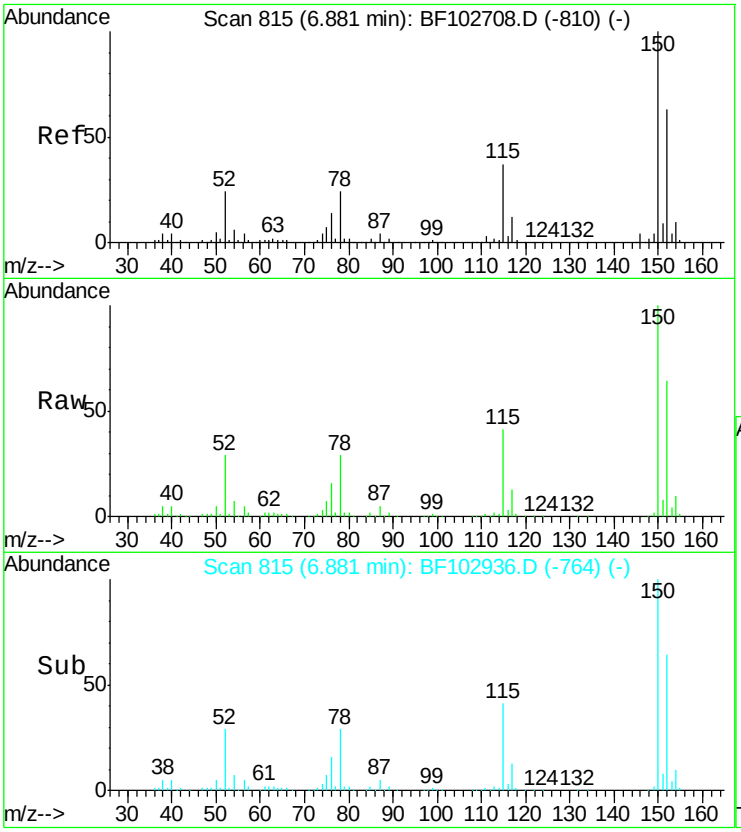
Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA F\DATA\BF021218\
Data File : BF102936.D
Acq On : 12 Feb 2018 23:13
Operator : SJ/JU
Sample : J1522-01 50X
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :

Quant Time: Feb 13 01:08:15 2018
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF020318.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Feb 05 12:44:16 2018
Response via : Initial Calibration



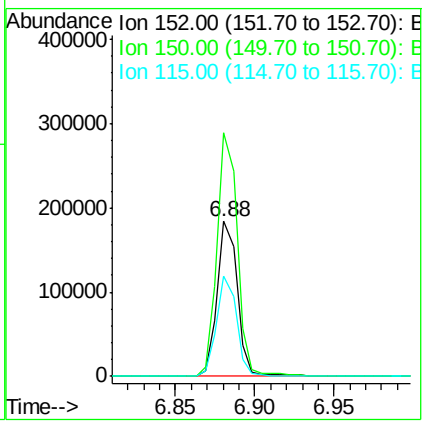


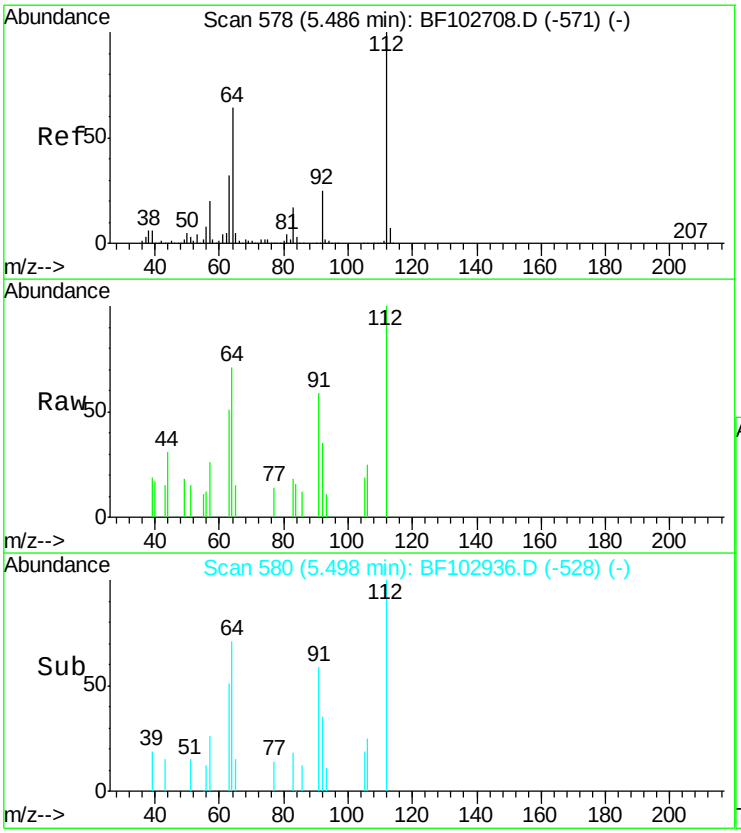
#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.88 min Scan# 815
Delta R.T. 0.00 min
Lab File: BF102936.D
Acq: 12 Feb 2018 23:13

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:152 Resp: 163928

Ion	Ratio	Lower	Upper
152	100		
150	157.3	124.6	186.8
115	64.7	50.1	75.1

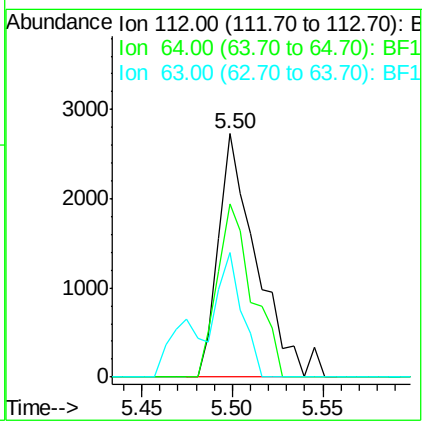


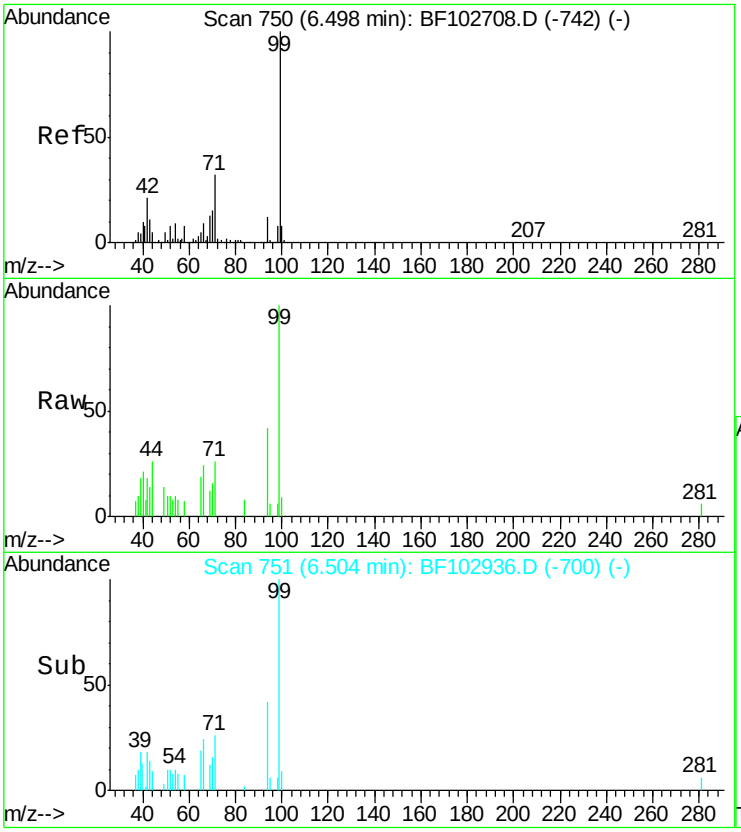


#5
2-Fluorophenol
Concen: 0.37 ng
RT: 5.50 min Scan# 580
Delta R.T. 0.01 min
Lab File: BF102936.D
Acq: 12 Feb 2018 23:13

Tgt Ion:112 Resp: 4011

Ion	Ratio	Lower	Upper
112	100		
64	71.1	47.9	71.9
63	51.2	23.7	35.5#



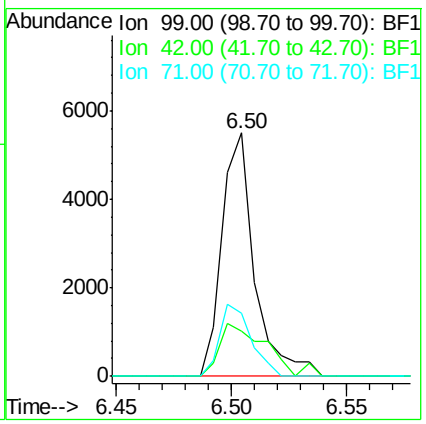


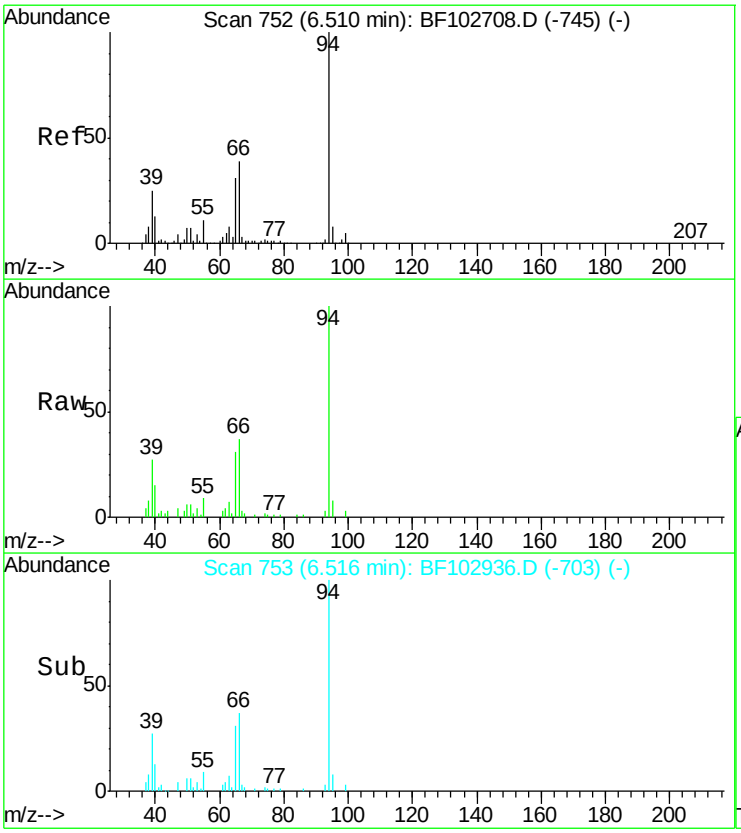
#7
Phenol-d6
Concen: 0.41 ng
RT: 6.50 min Scan# 751
Delta R.T. -0.00 min
Lab File: BF102936.D
Acq: 12 Feb 2018 23:13

Instrument :
BNA_F
ClientSampleId :

Tgt Ion: 99 Resp: 5389

Ion	Ratio	Lower	Upper
99	100		
42	18.3	14.5	21.7
71	26.1	25.4	38.0

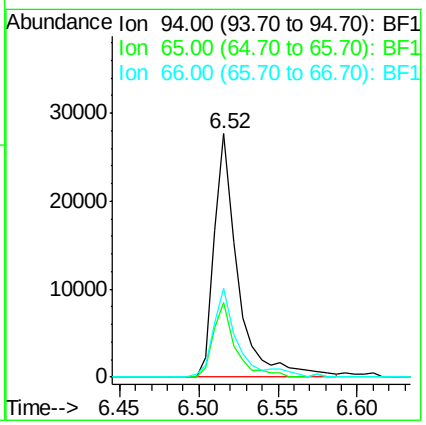


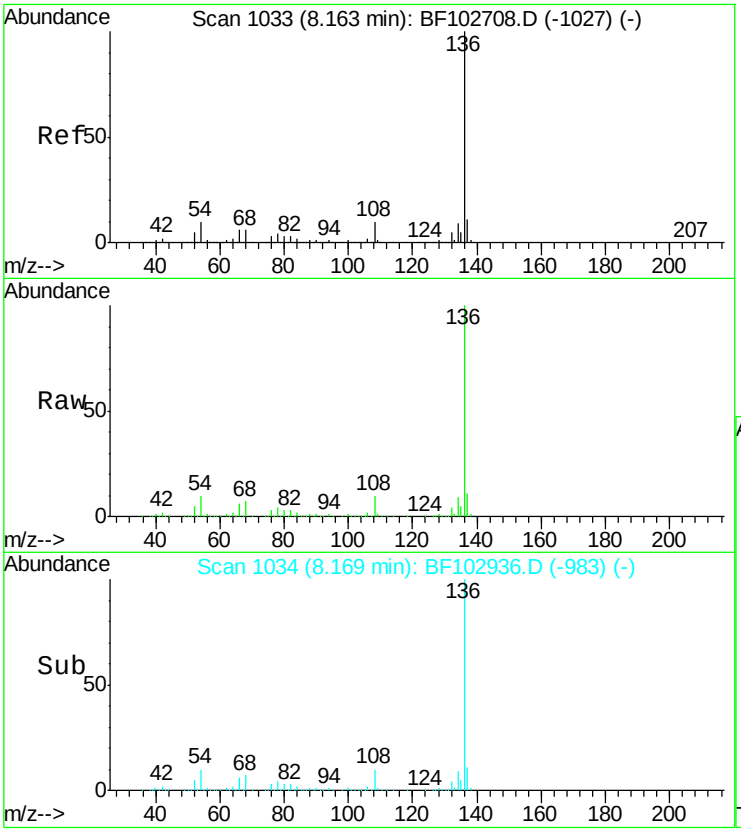


#10
Phenol
Concen: 2.06 ng
RT: 6.52 min Scan# 753
Delta R.T. -0.01 min
Lab File: BF102936.D
Acq: 12 Feb 2018 23:13

Tgt Ion: 94 Resp: 28677

Ion	Ratio	Lower	Upper
94	100		
65	30.8	7.9	47.9
66	36.7	16.2	56.2



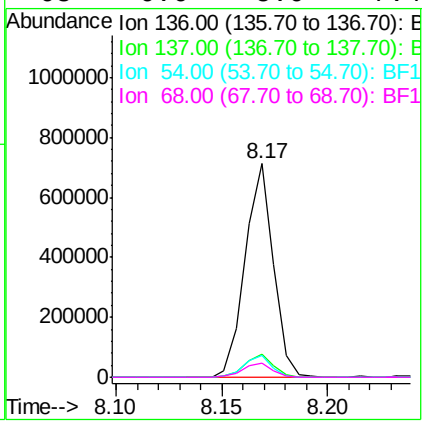


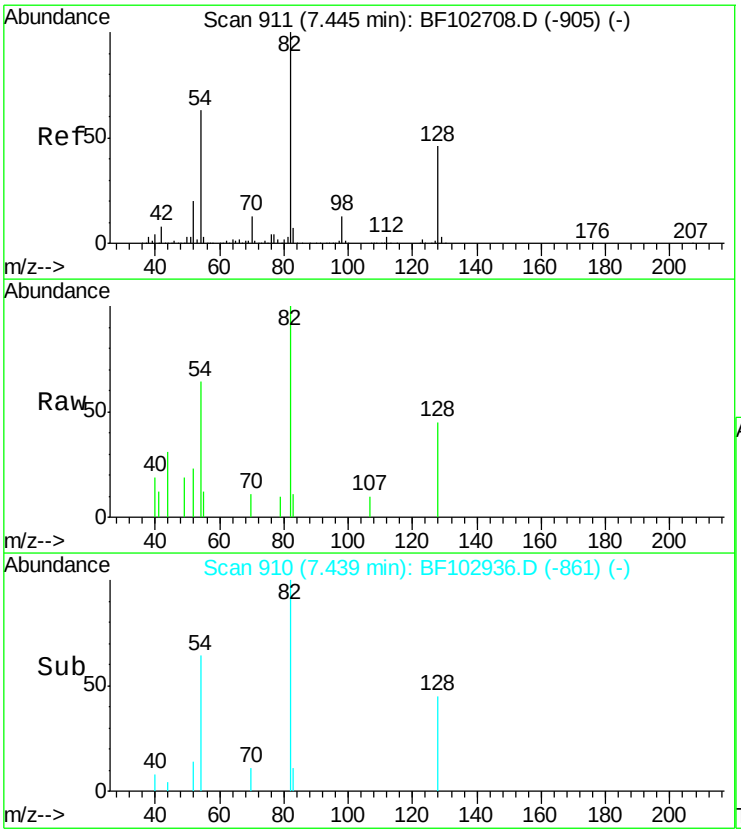
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.17 min Scan# 1034
Delta R.T. 0.00 min
Lab File: BF102936.D
Acq: 12 Feb 2018 23:13

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:136 Resp: 661912

Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.9	13.3
54	9.9	6.6	9.8#
68	6.6	5.0	7.4

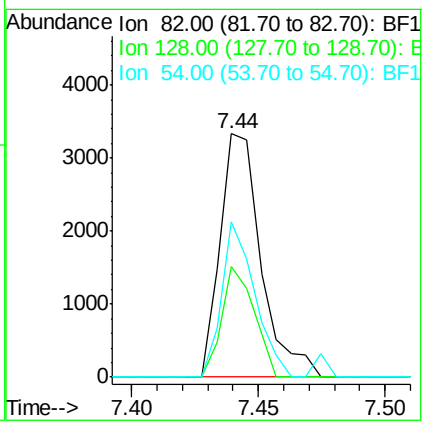


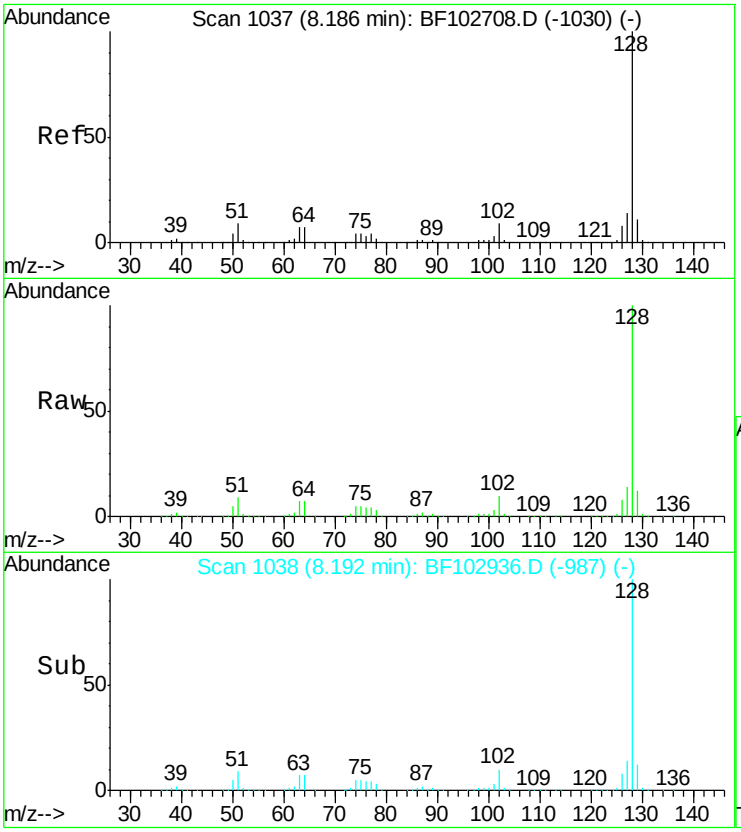


#23
Nitrobenzene-d5
Concen: 0.39 ng
RT: 7.44 min Scan# 910
Delta R.T. -0.01 min
Lab File: BF102936.D
Acq: 12 Feb 2018 23:13

Tgt Ion: 82 Resp: 3743

Ion	Ratio	Lower	Upper
82	100		
128	45.4	36.1	54.1
54	63.7	41.4	62.2#



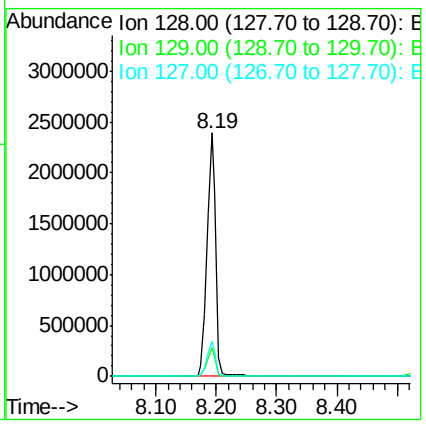


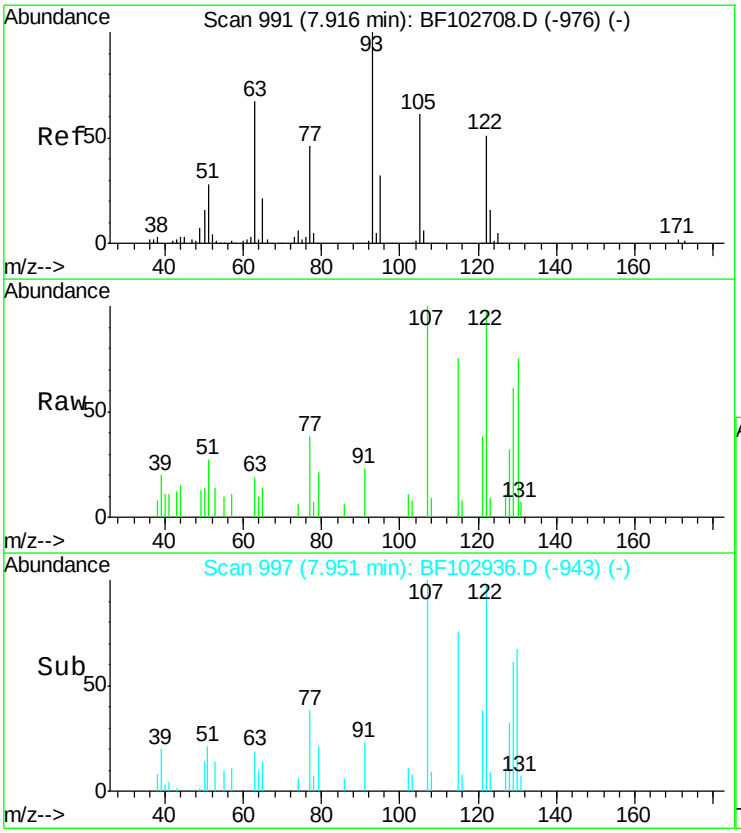
#31
Naphthalene
Concen: 75.49 ng
RT: 8.19 min Scan# 1038
Delta R.T. 0.00 min
Lab File: BF102936.D
Acq: 12 Feb 2018 23:13

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:128 Resp: 2441333

Ion	Ratio	Lower	Upper
128	100		
129	11.7	8.8	13.2
127	14.2	10.9	16.3

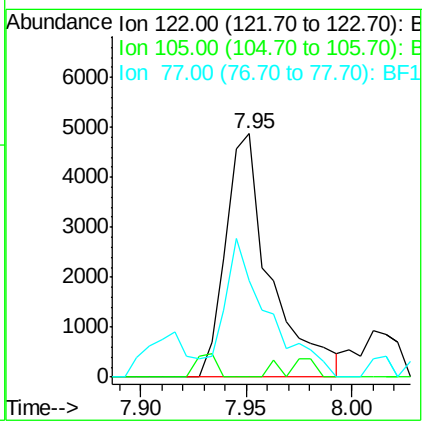


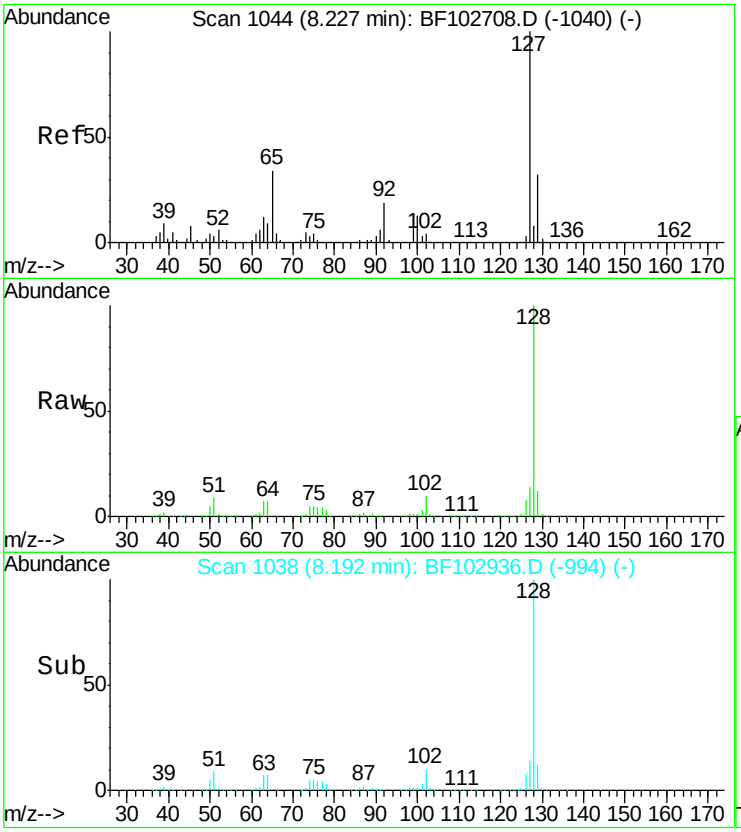


#32
Benzoic acid
Concen: 9.59 ng
RT: 7.95 min Scan# 997
Delta R.T. 0.02 min
Lab File: BF102936.D
Acq: 12 Feb 2018 23:13

Tgt Ion:122 Resp: 7148

Ion	Ratio	Lower	Upper
122	100		
105	0.0	101.1	141.1#
77	39.6	70.7	110.7#



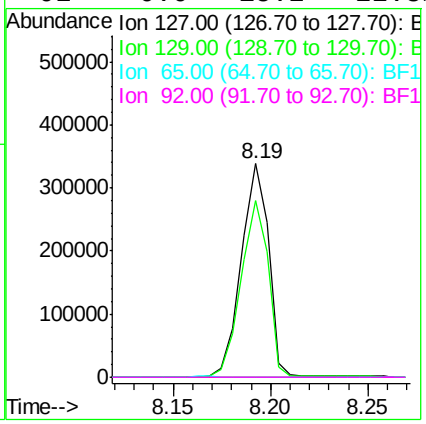


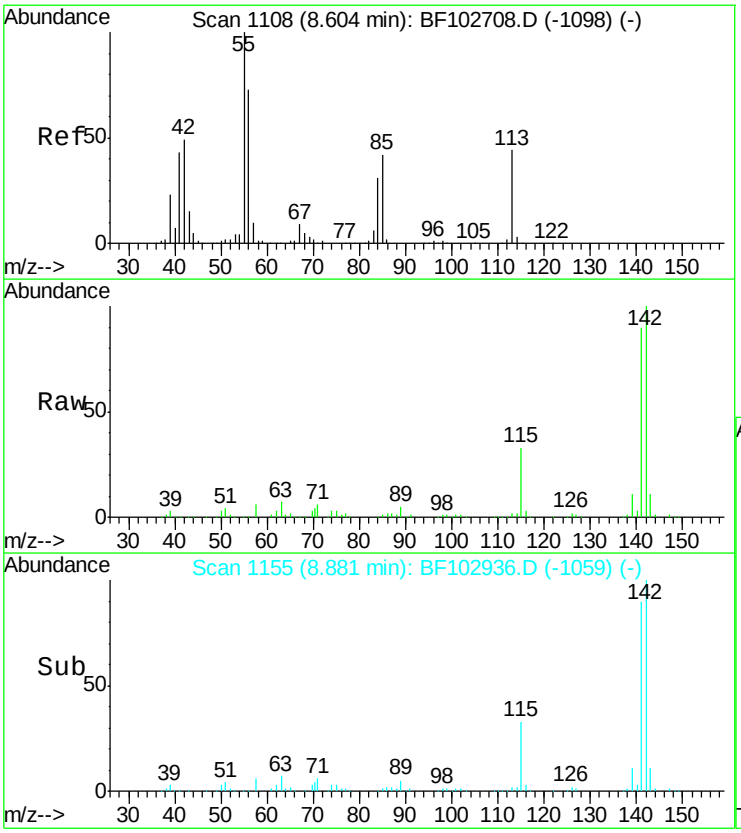
#33
4-Chloroaniline
Concen: 23.69 ng
RT: 8.19 min Scan# 1038
Delta R.T. -0.04 min
Lab File: BF102936.D
Acq: 12 Feb 2018 23:13

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:127 Resp: 330041

Ion	Ratio	Lower	Upper
127	100		
129	83.0	25.9	38.9#
65	0.0	25.0	37.4#
92	0.0	15.2	22.8#

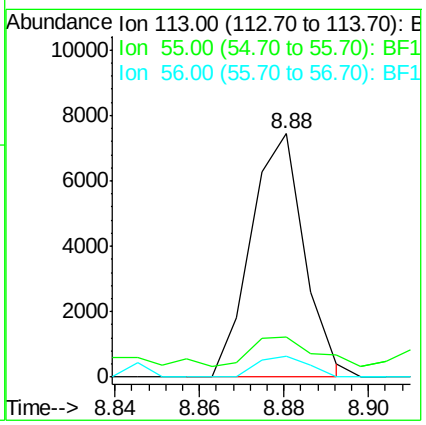


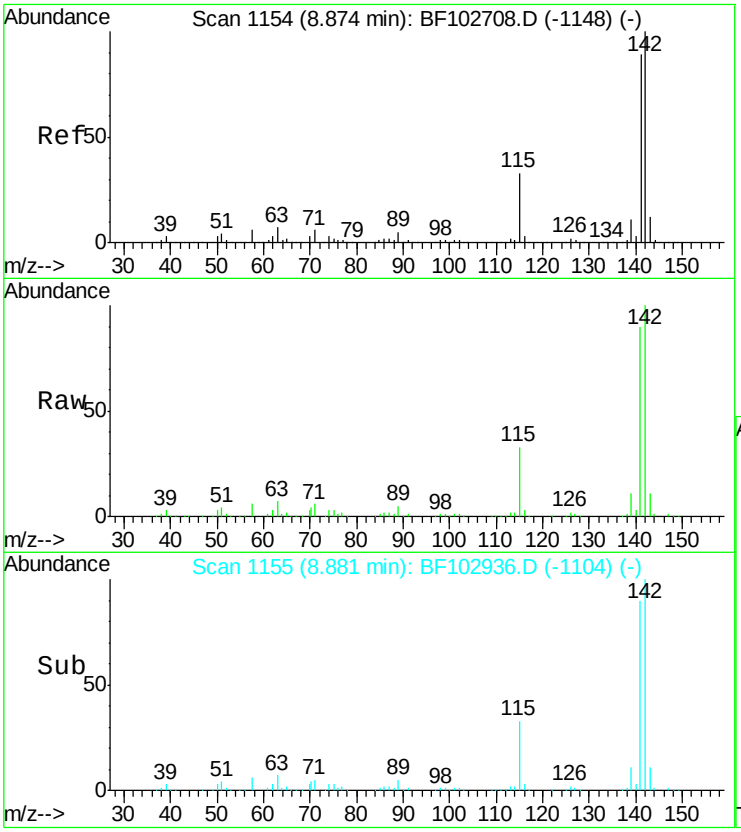


#35
Caprolactam
Concen: 2.23 ng
RT: 8.88 min Scan# 1155
Delta R.T. 0.26 min
Lab File: BF102936.D
Acq: 12 Feb 2018 23:13

Tgt Ion:113 Resp: 6541

Ion	Ratio	Lower	Upper
113	100		
55	16.5	163.3	203.3#
56	8.6	115.7	155.7#



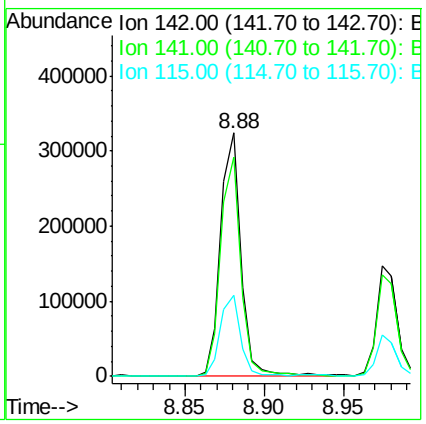


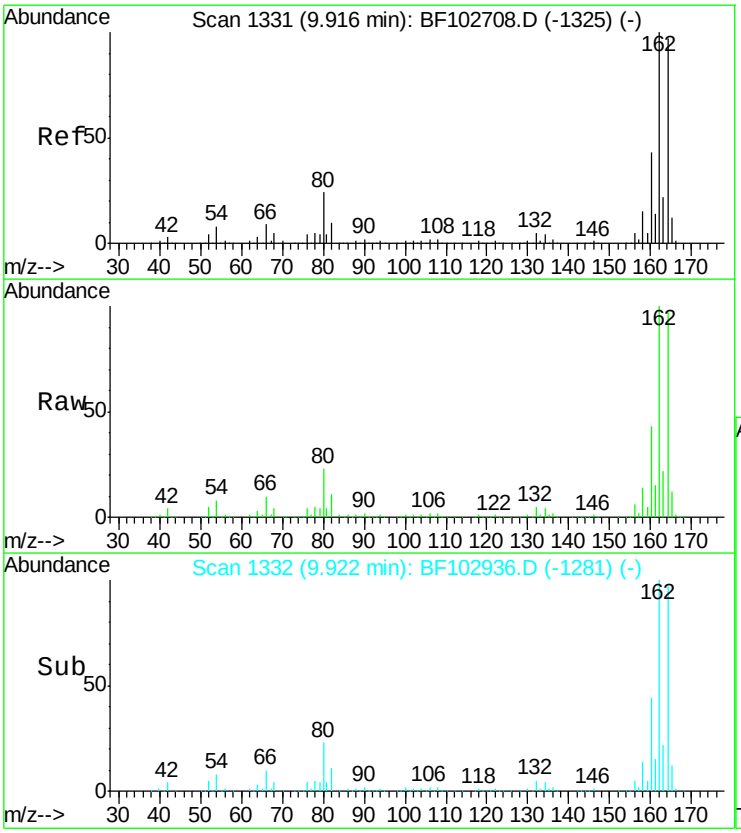
#37
2-Methylnaphthalene
Concen: 13.77 ng
RT: 8.88 min Scan# 1155
Delta R.T. 0.00 min
Lab File: BF102936.D
Acq: 12 Feb 2018 23:13

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:142 Resp: 291611

Ion	Ratio	Lower	Upper
142	100		
141	89.9	70.8	106.2
115	33.3	26.1	39.1

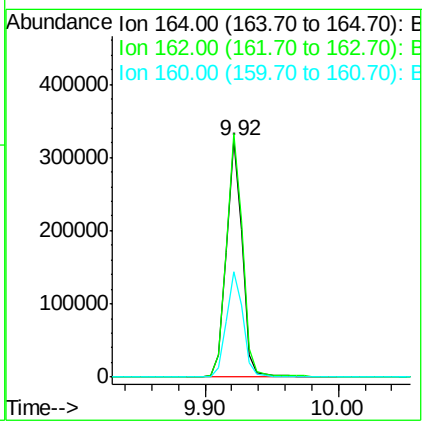


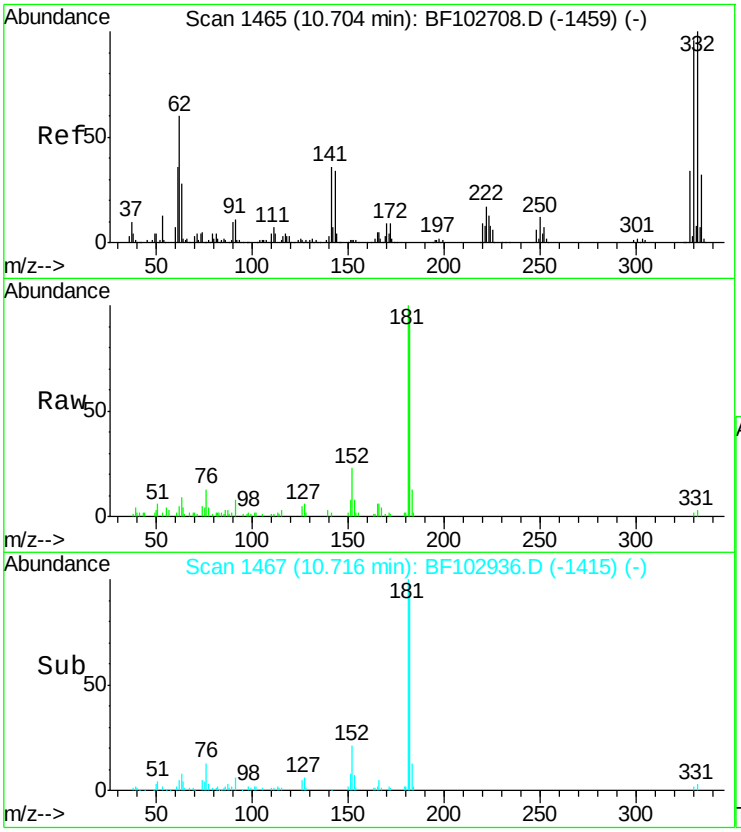


#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.92 min Scan# 1332
Delta R.T. 0.00 min
Lab File: BF102936.D
Acq: 12 Feb 2018 23:13

Tgt Ion:164 Resp: 275541

Ion	Ratio	Lower	Upper
164	100		
162	102.8	86.1	129.1
160	44.7	38.3	57.5



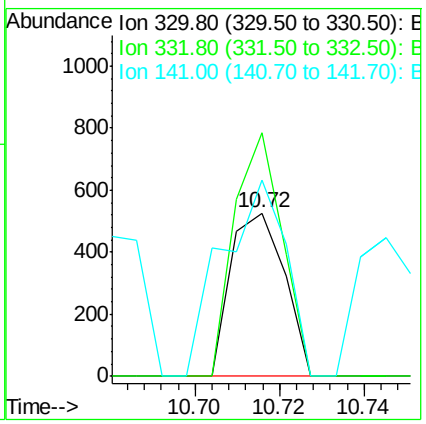


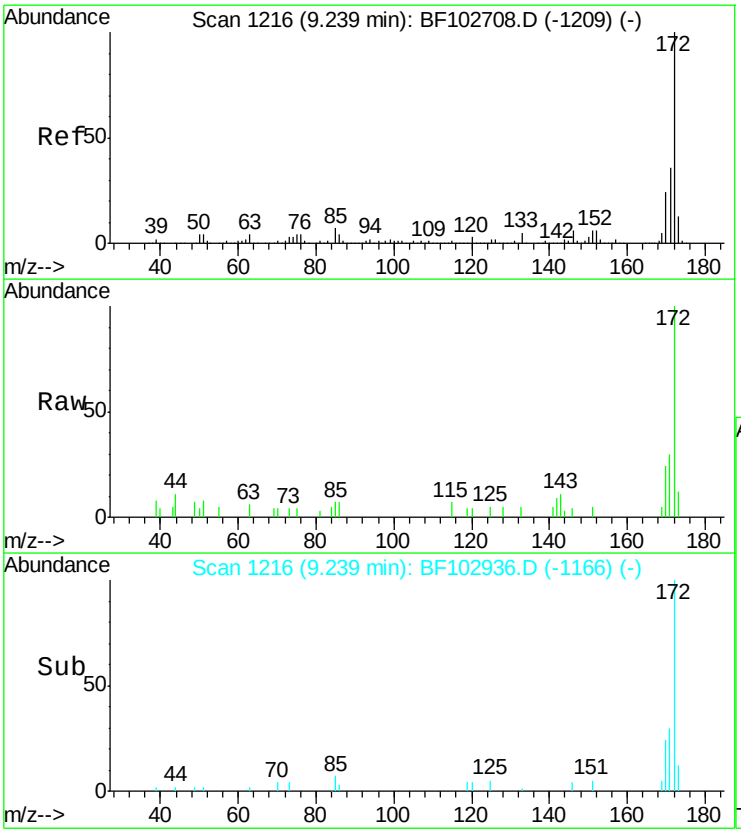
#41
2,4,6-Tribromophenol
Concen: 0.21 ng
RT: 10.72 min Scan# 1467
Delta R.T. 0.01 min
Lab File: BF102936.D
Acq: 12 Feb 2018 23:13

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:330 Resp: 463

Ion	Ratio	Lower	Upper
330	100		
332	133.3	77.0	115.6#
141	142.5	29.9	44.9#

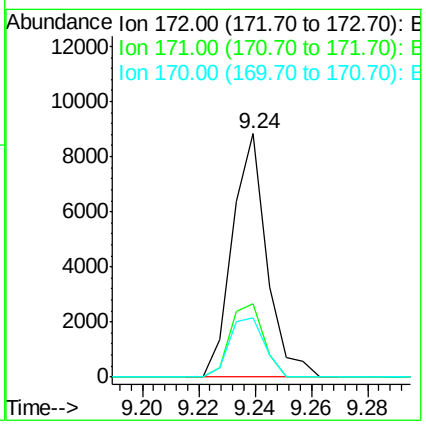


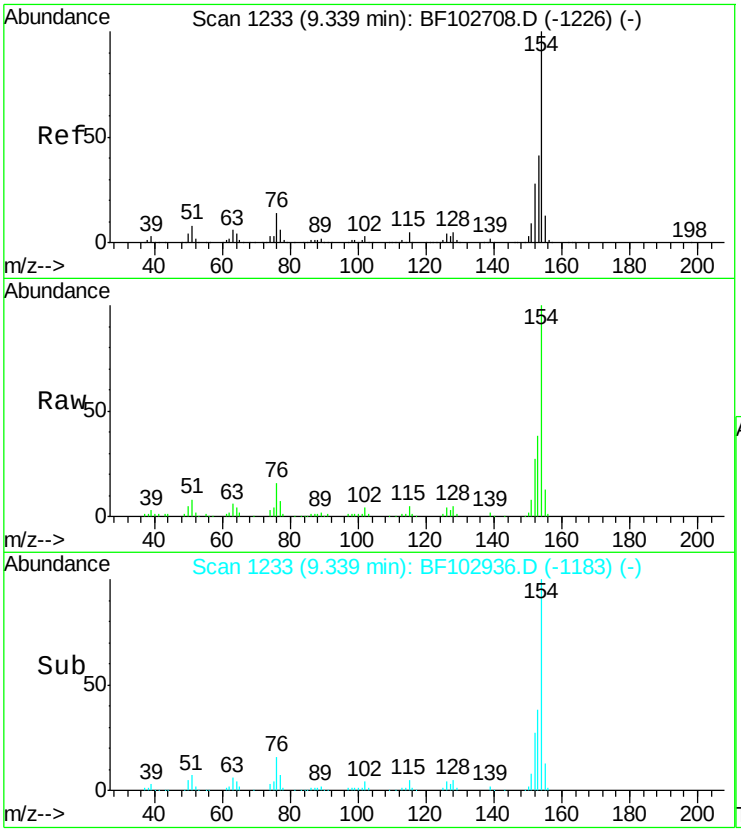


#44
2-Fluorobiphenyl
Concen: 0.45 ng
RT: 9.24 min Scan# 1216
Delta R.T. -0.01 min
Lab File: BF102936.D
Acq: 12 Feb 2018 23:13

Tgt Ion:172 Resp: 7467

Ion	Ratio	Lower	Upper
172	100		
171	30.2	29.7	44.5
170	24.4	19.6	29.4



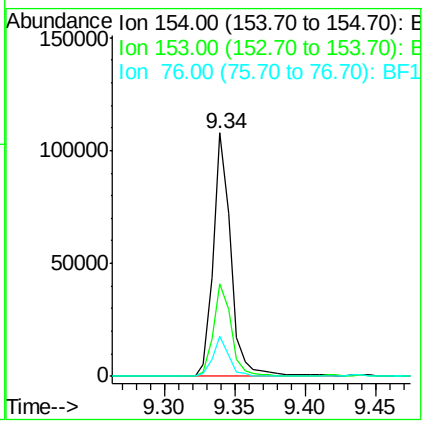


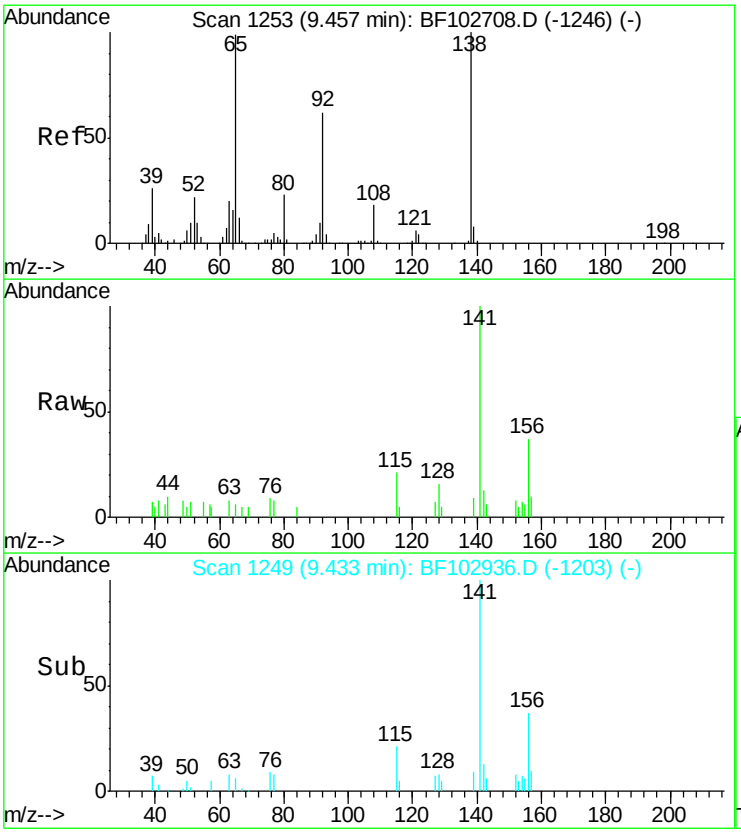
#45
1,1'-Biphenyl
Concen: 4.04 ng
RT: 9.34 min Scan# 1233
Delta R.T. -0.01 min
Lab File: BF102936.D
Acq: 12 Feb 2018 23:13

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:154 Resp: 93751

Ion	Ratio	Lower	Upper
154	100		
153	38.0	21.3	61.3
76	16.3	0.0	34.0

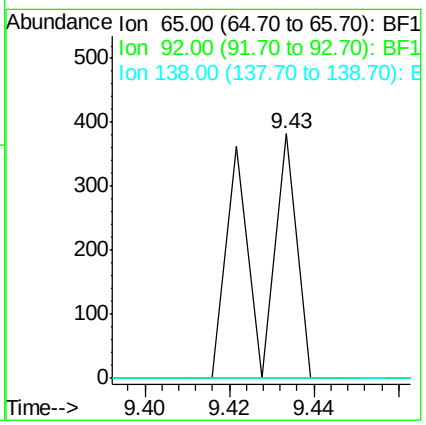


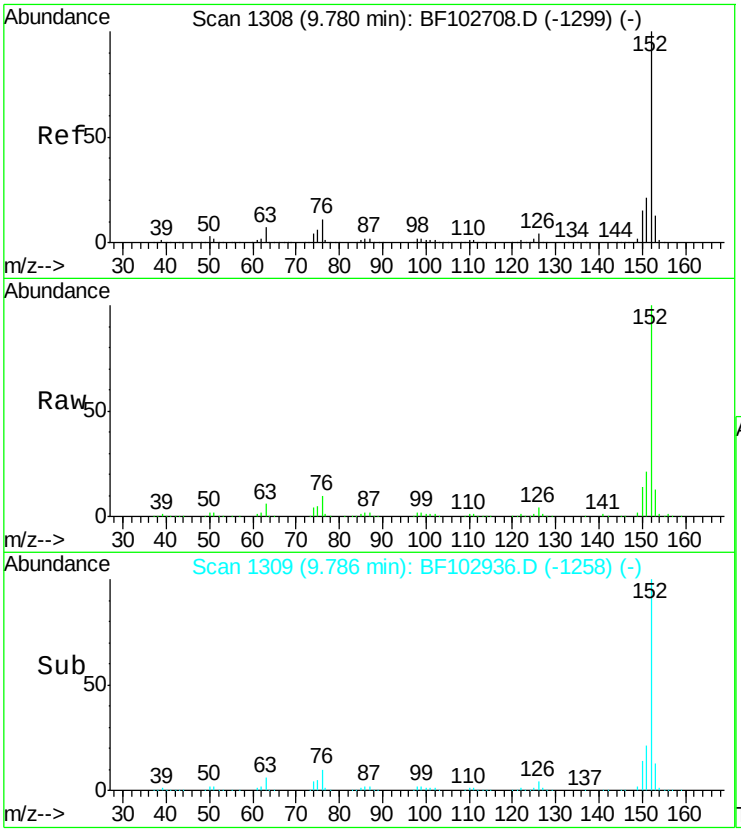


#47
2-Nitroaniline
Concen: 3.52 ng
RT: 9.43 min Scan# 1249
Delta R.T. -0.03 min
Lab File: BF102936.D
Acq: 12 Feb 2018 23:13

Tgt Ion: 65 Resp: 263

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



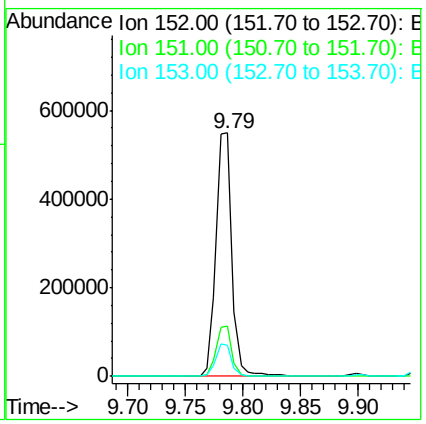


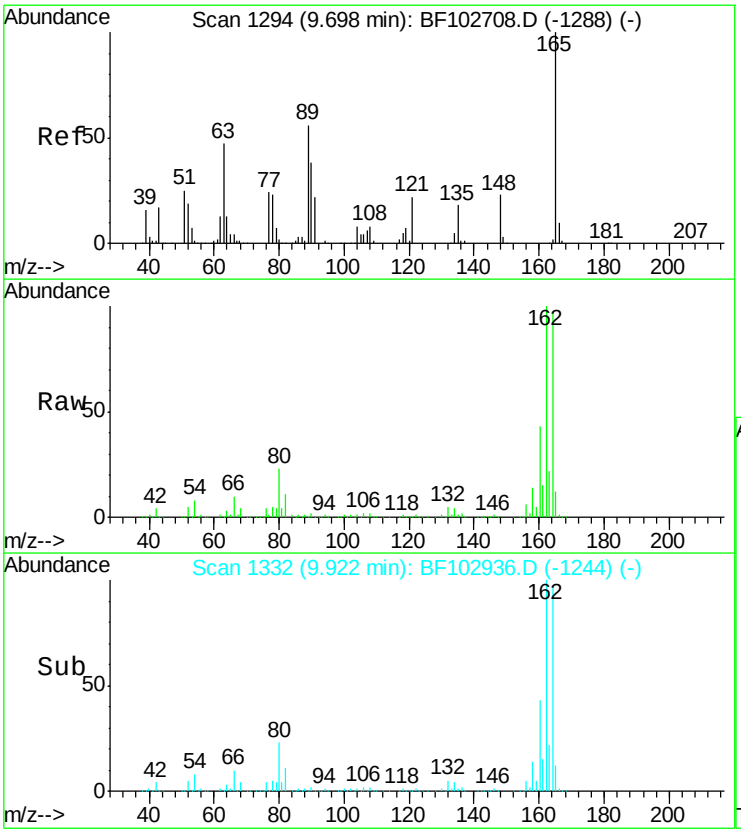
#48
Acenaphthylene
Concen: 18.74 ng
RT: 9.79 min Scan# 1309
Delta R.T. 0.00 min
Lab File: BF102936.D
Acq: 12 Feb 2018 23:13

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:152 Resp: 531762

Ion	Ratio	Lower	Upper
152	100		
151	20.7	16.3	24.5
153	12.7	10.7	16.1

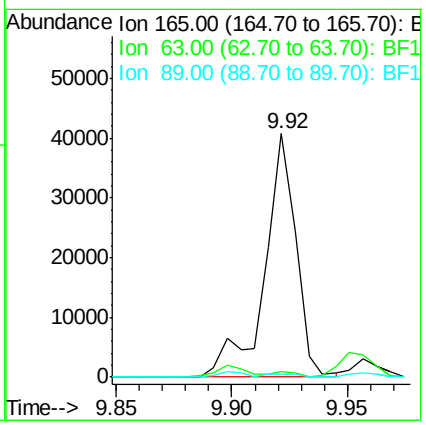


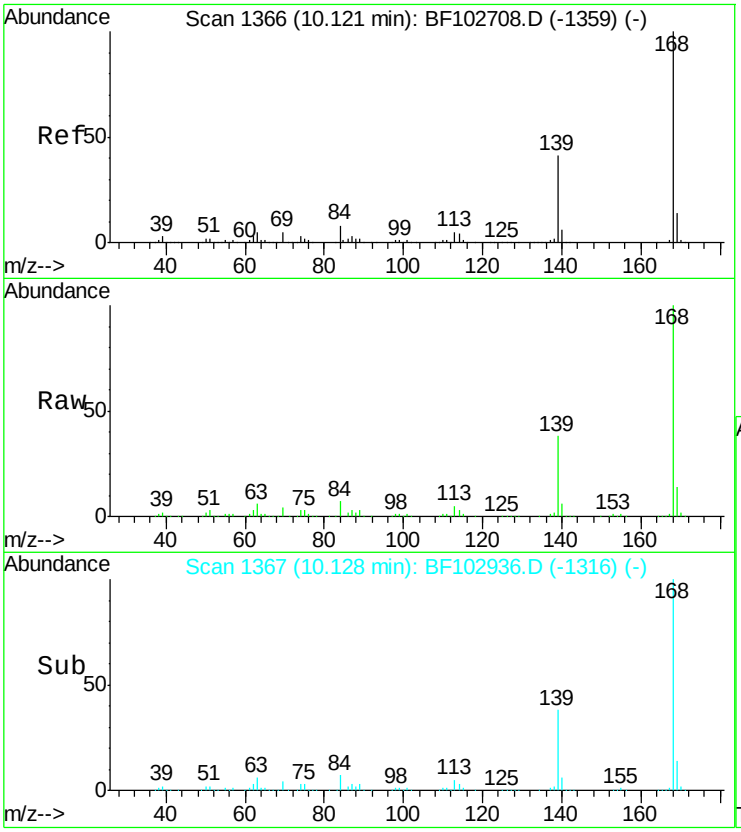


#50
2,6-Dinitrotoluene
Concen: 9.43 ng
RT: 9.92 min Scan# 1332
Delta R.T. 0.22 min
Lab File: BF102936.D
Acq: 12 Feb 2018 23:13

Tgt Ion:165 Resp: 38565

Ion	Ratio	Lower	Upper
165	100		
63	2.2	44.7	67.1#
89	1.1	44.0	66.0#



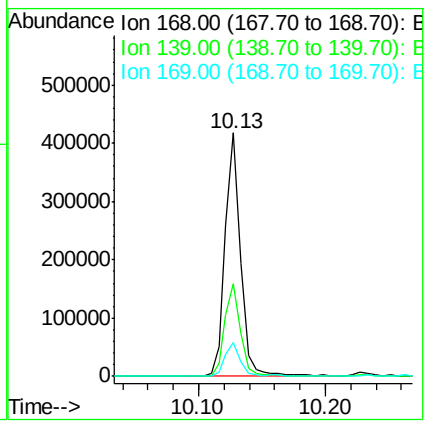


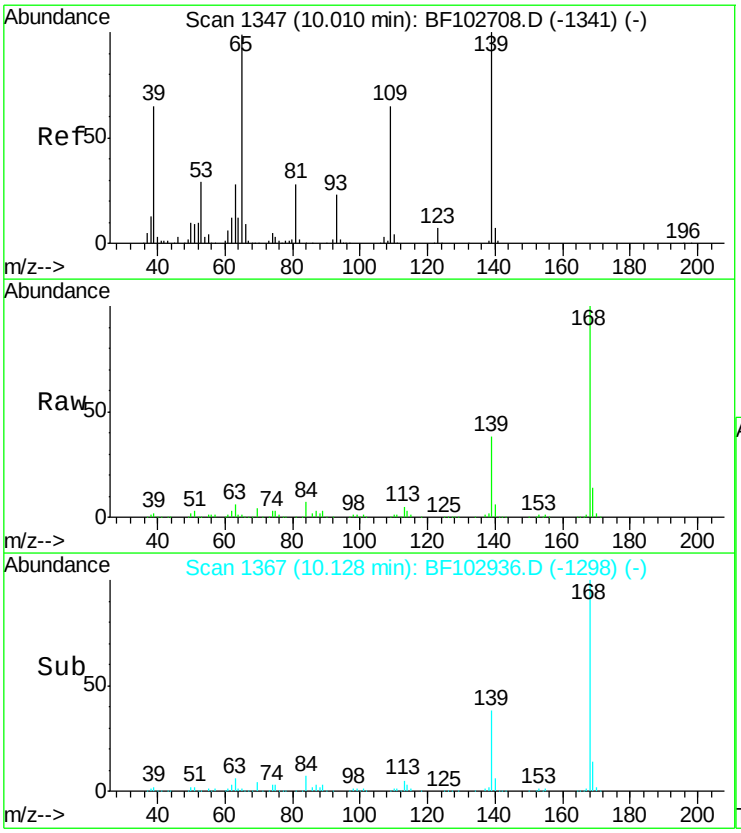
#54
Dibenzofuran
Concen: 14.91 ng
RT: 10.13 min Scan# 1367
Delta R.T. 0.00 min
Lab File: BF102936.D
Acq: 12 Feb 2018 23:13

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:168 Resp: 356700

Ion	Ratio	Lower	Upper
168	100		
139	38.3	30.1	45.1
169	13.8	10.9	16.3

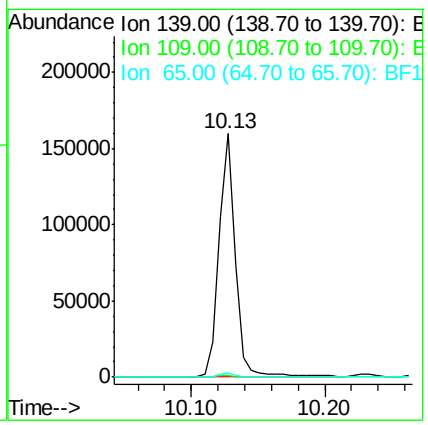


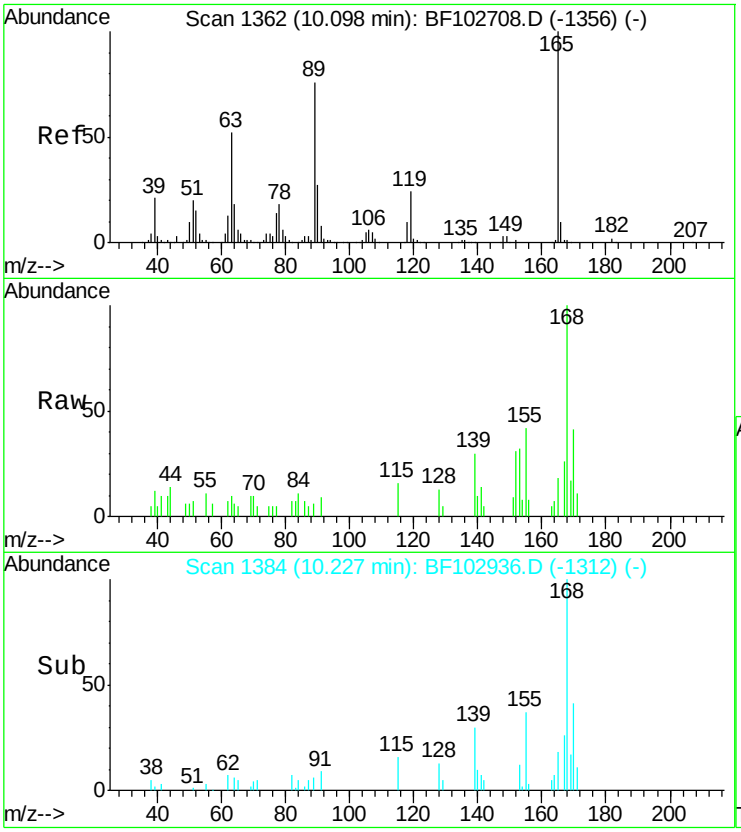


#55
4-Nitrophenol
Concen: 36.14 ng
RT: 10.13 min Scan# 1367
Delta R.T. 0.11 min
Lab File: BF102936.D
Acq: 12 Feb 2018 23:13

Tgt Ion:139 Resp: 139771

Ion	Ratio	Lower	Upper
139	100		
109	0.8	48.4	88.4#
65	1.8	72.6	112.6#



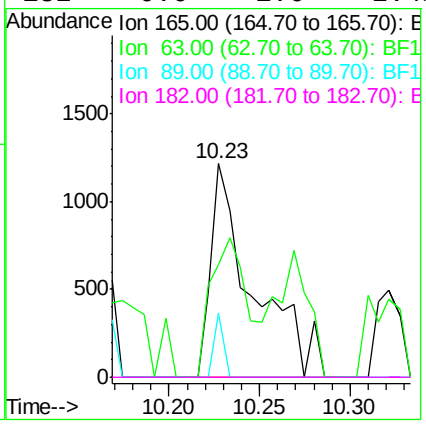


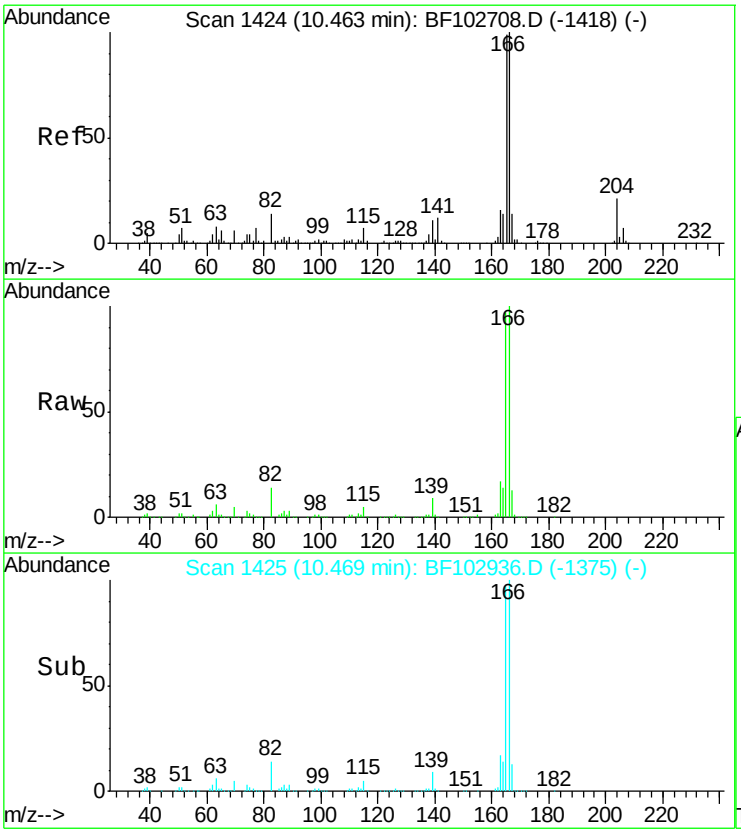
#56
2,4-Dinitrotoluene
Concen: 3.41 ng
RT: 10.23 min Scan# 1384
Delta R.T. 0.12 min
Lab File: BF102936.D
Acq: 12 Feb 2018 23:13

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:165 Resp: 1969

Ion	Ratio	Lower	Upper
165	100		
63	52.4	36.4	54.6
89	29.9	57.8	86.6#
182	0.0	1.6	2.4#

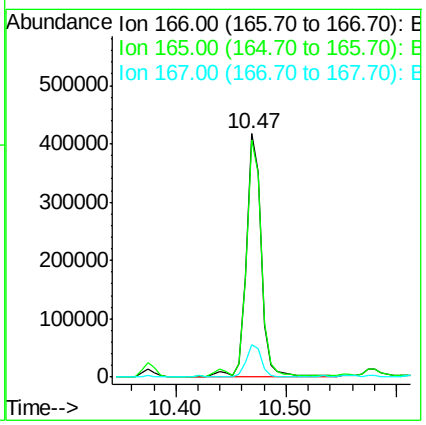


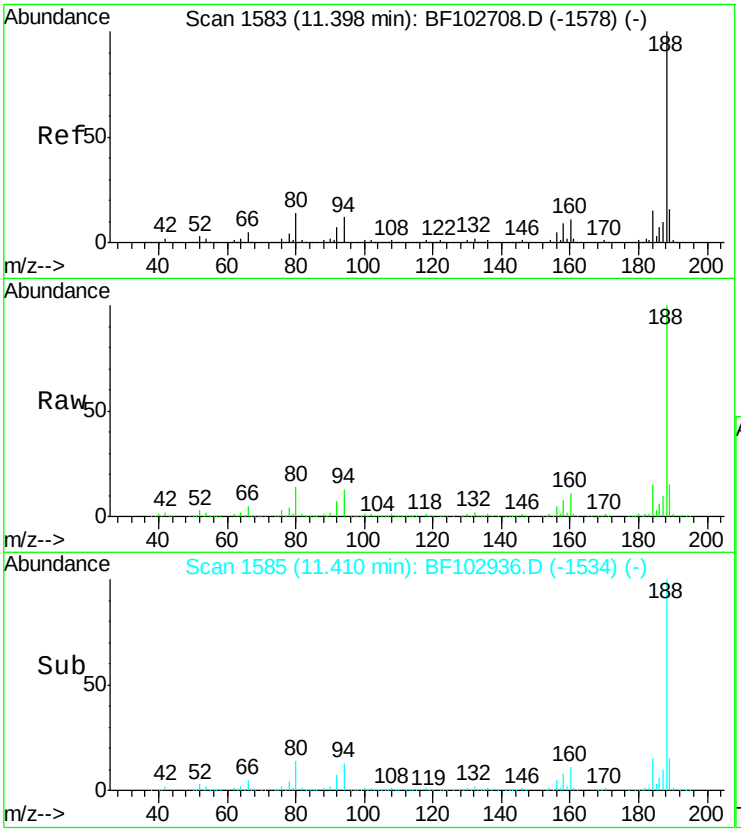


#57
Fluorene
Concen: 22.90 ng
RT: 10.47 min Scan# 1425
Delta R.T. -0.01 min
Lab File: BF102936.D
Acq: 12 Feb 2018 23:13

Tgt Ion:166 Resp: 398454

Ion	Ratio	Lower	Upper
166	100		
165	97.3	79.8	119.8
167	13.4	10.6	16.0



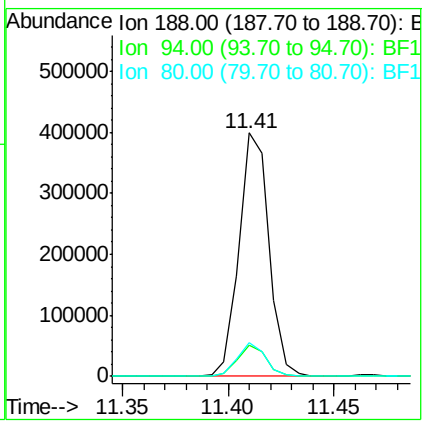


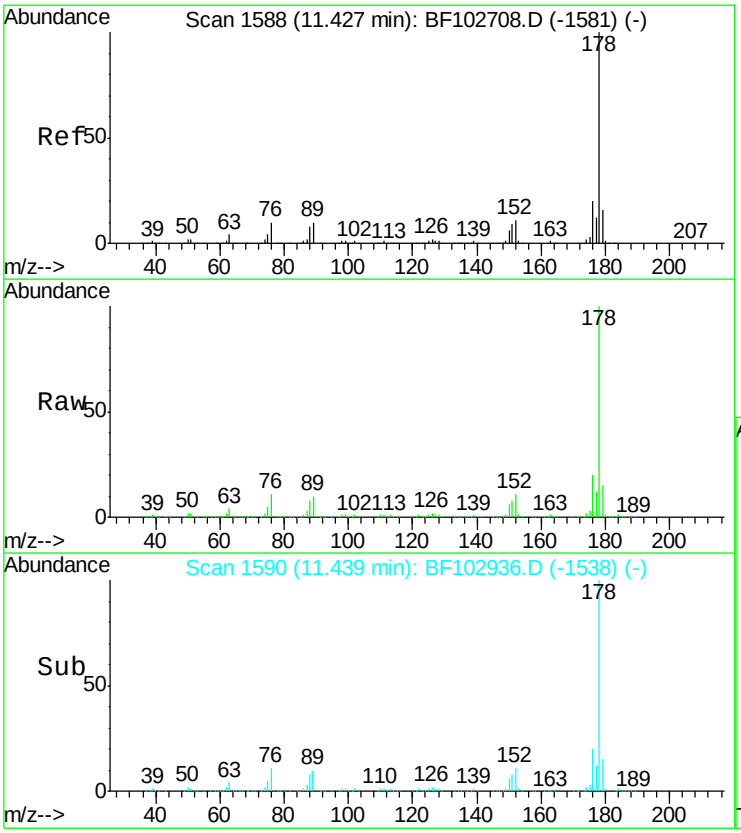
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.41 min Scan# 1585
Delta R.T. 0.00 min
Lab File: BF102936.D
Acq: 12 Feb 2018 23:13

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:188 Resp: 391266

Ion	Ratio	Lower	Upper
188	100		
94	12.7	8.5	12.7
80	14.0	9.2	13.8#

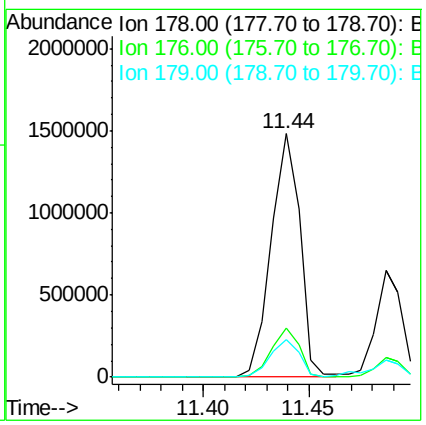


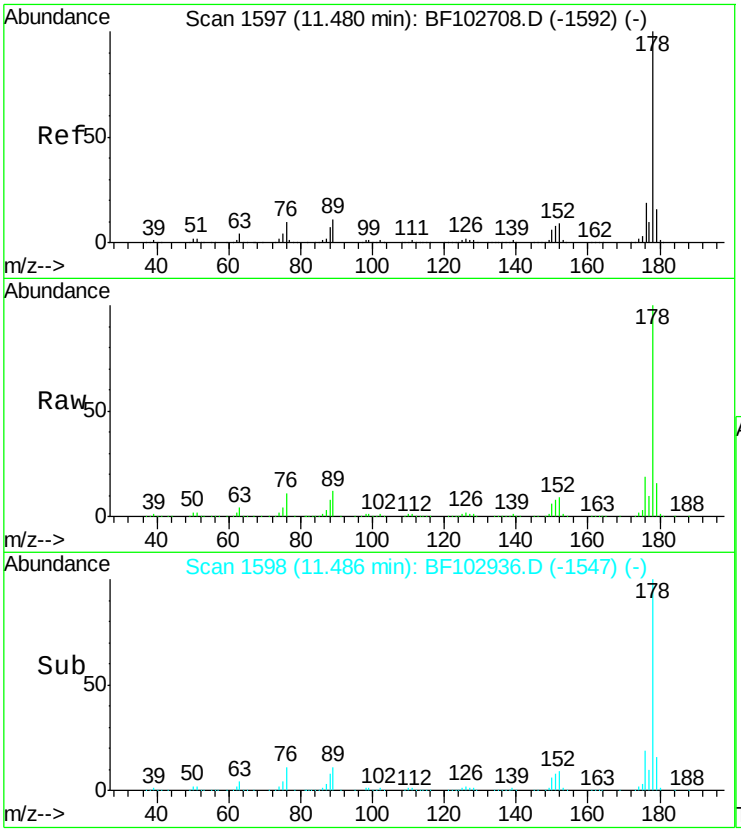


#70
Phenanthrene
Concen: 64.74 ng
RT: 11.44 min Scan# 1590
Delta R.T. 0.01 min
Lab File: BF102936.D
Acq: 12 Feb 2018 23:13

Tgt Ion:178 Resp: 1410776

Ion	Ratio	Lower	Upper
178	100		
176	20.0	15.8	23.8
179	15.4	13.0	19.6



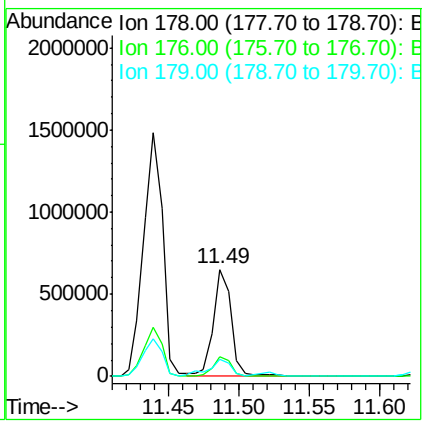


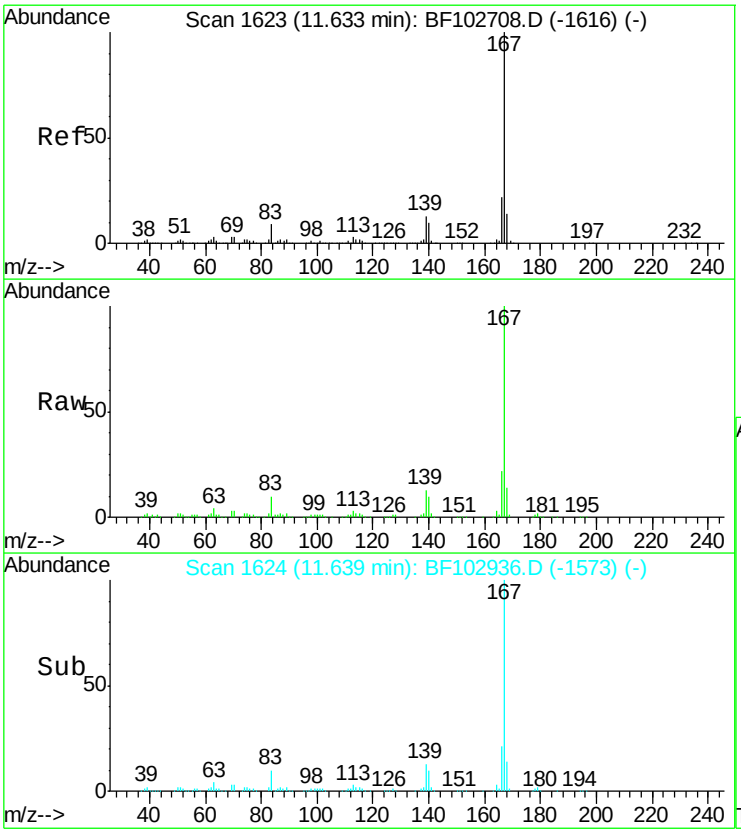
#71
Anthracene
Concen: 26.08 ng
RT: 11.49 min Scan# 1598
Delta R.T. 0.00 min
Lab File: BF102936.D
Acq: 12 Feb 2018 23:13

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:178 Resp: 578012

Ion	Ratio	Lower	Upper
178	100		
176	18.8	15.4	23.2
179	15.6	12.6	19.0

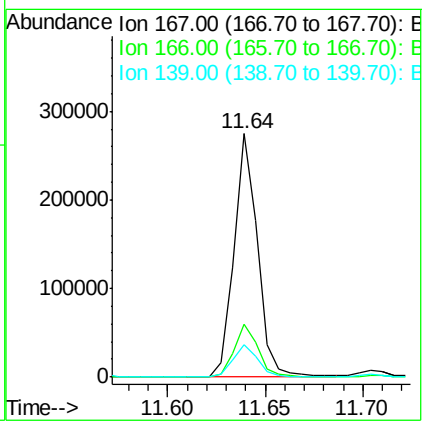


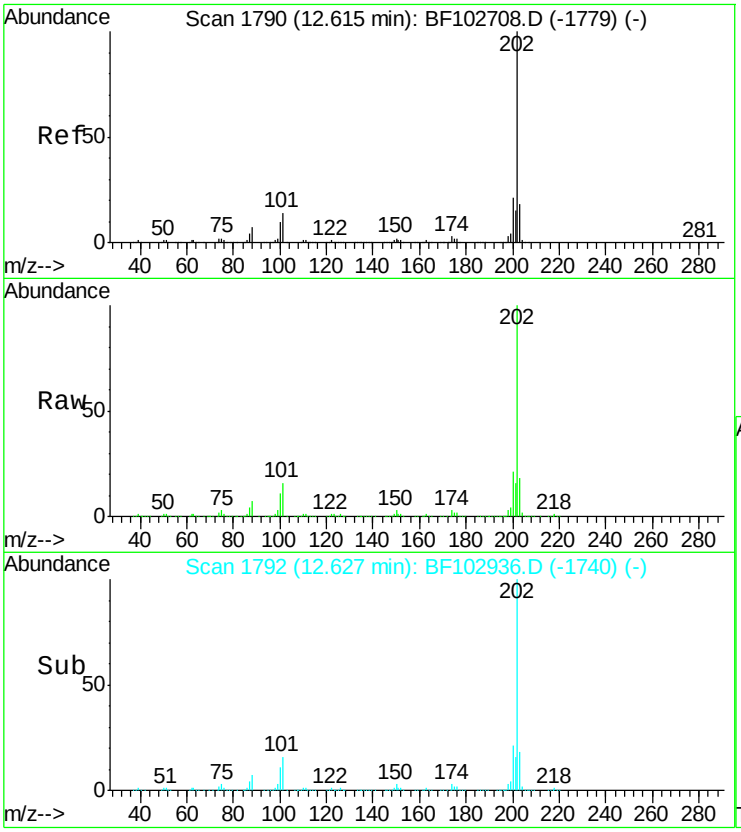


#72
Carbazole
Concen: 10.63 ng
RT: 11.64 min Scan# 1624
Delta R.T. 0.00 min
Lab File: BF102936.D
Acq: 12 Feb 2018 23:13

Tgt Ion:167 Resp: 230890

Ion	Ratio	Lower	Upper
167	100		
166	21.6	17.6	26.4
139	13.4	10.9	16.3



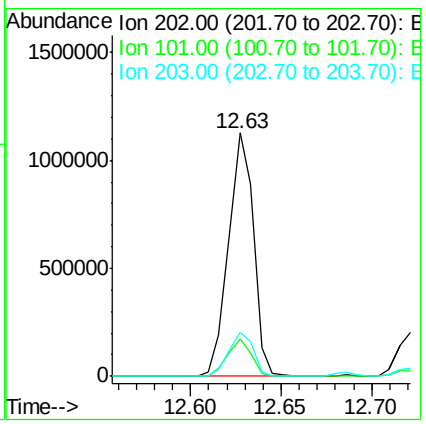


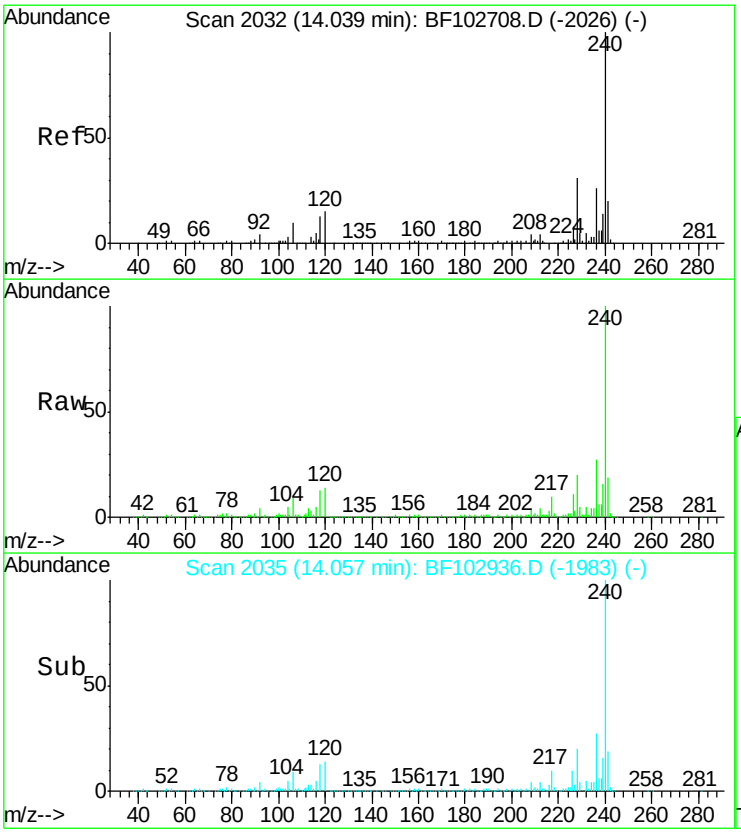
#74
Fluoranthene
Concen: 49.72 ng
RT: 12.63 min Scan# 1792
Delta R.T. 0.01 min
Lab File: BF102936.D
Acq: 12 Feb 2018 23:13

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:202 Resp: 1090120

Ion	Ratio	Lower	Upper
202	100		
101	15.6	0.0	34.1
203	17.9	0.0	38.1

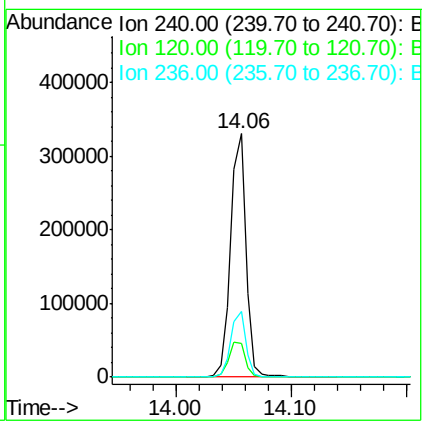


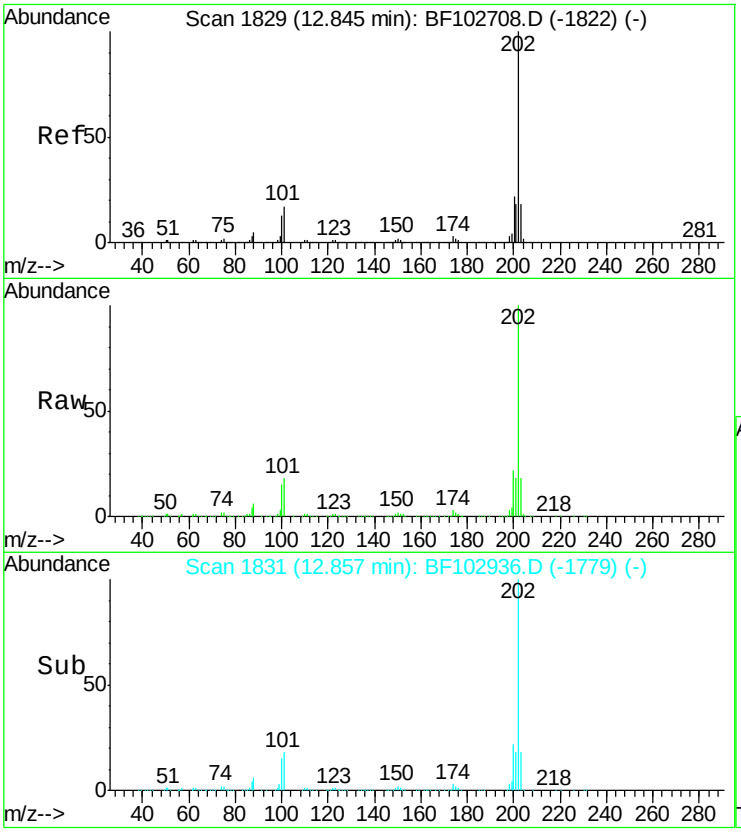


#75
Chrysene-d12
Concen: 20.00 ng
RT: 14.06 min Scan# 2035
Delta R.T. 0.01 min
Lab File: BF102936.D
Acq: 12 Feb 2018 23:13

Tgt Ion:240 Resp: 307690

Ion	Ratio	Lower	Upper
240	100		
120	13.6	9.5	14.3
236	26.8	20.7	31.1



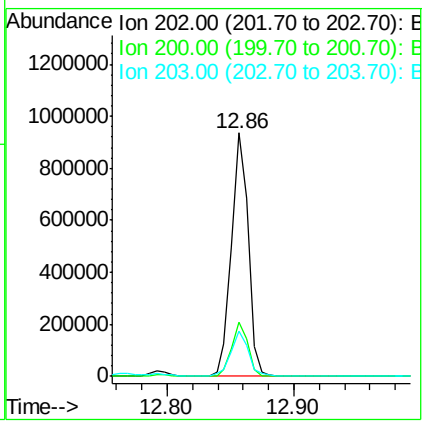


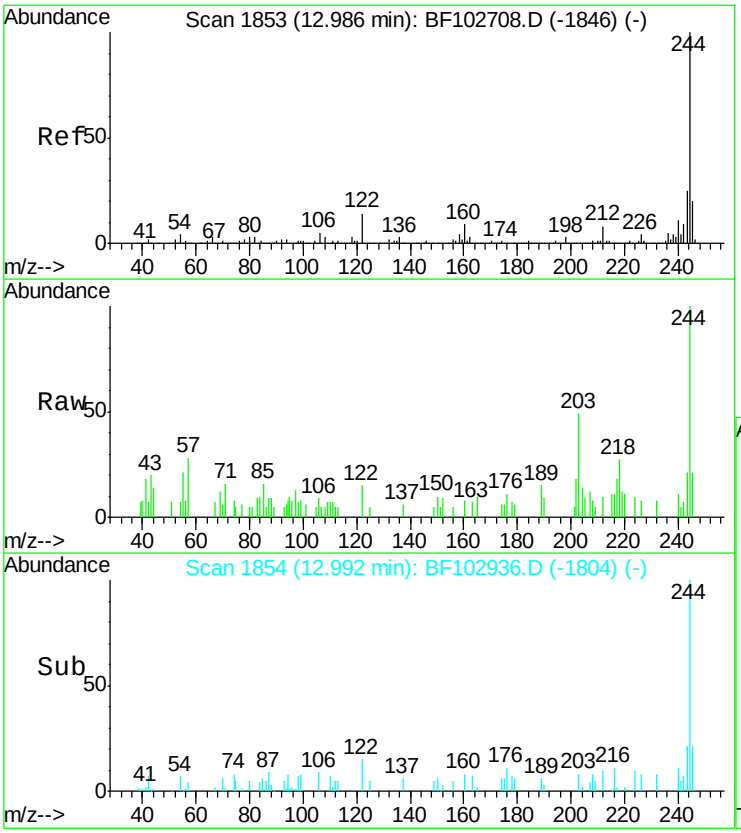
#77
Pyrene
Concen: 35.08 ng
RT: 12.86 min Scan# 1831
Delta R.T. 0.01 min
Lab File: BF102936.D
Acq: 12 Feb 2018 23:13

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:202 Resp: 846499

Ion	Ratio	Lower	Upper
202	100		
200	22.1	17.4	26.2
203	18.5	14.3	21.5

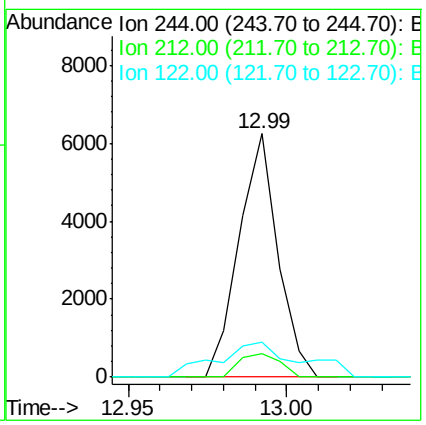


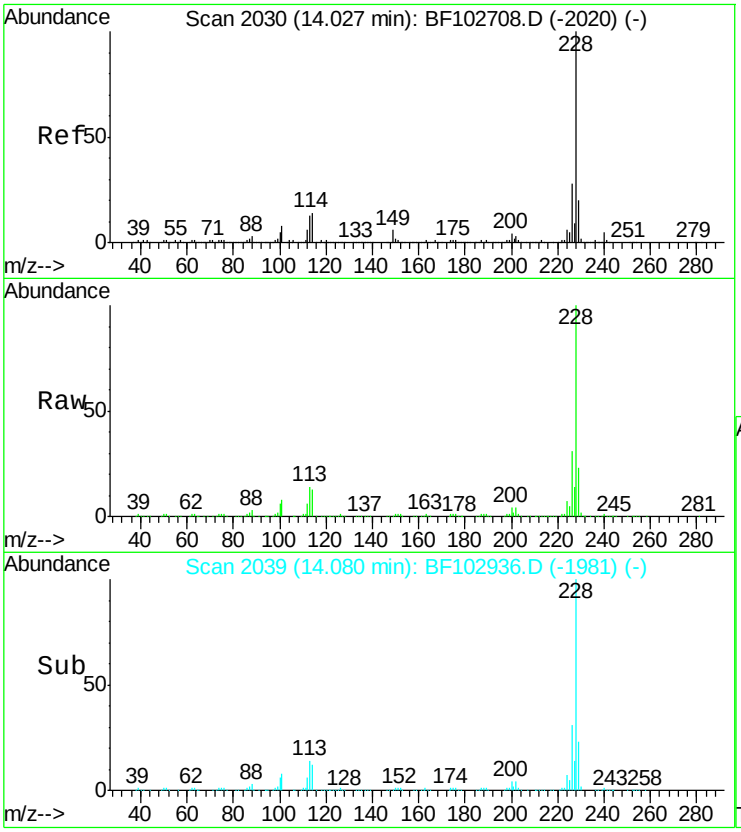


#78
Terphenyl-d14
Concen: 0.41 ng
RT: 12.99 min Scan# 1854
Delta R.T. -0.01 min
Lab File: BF102936.D
Acq: 12 Feb 2018 23:13

Tgt Ion:244 Resp: 5290

Ion	Ratio	Lower	Upper
244	100		
212	9.7	5.4	8.0#
122	14.6	11.0	16.4



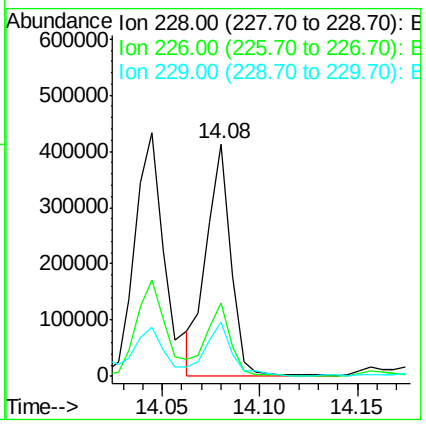


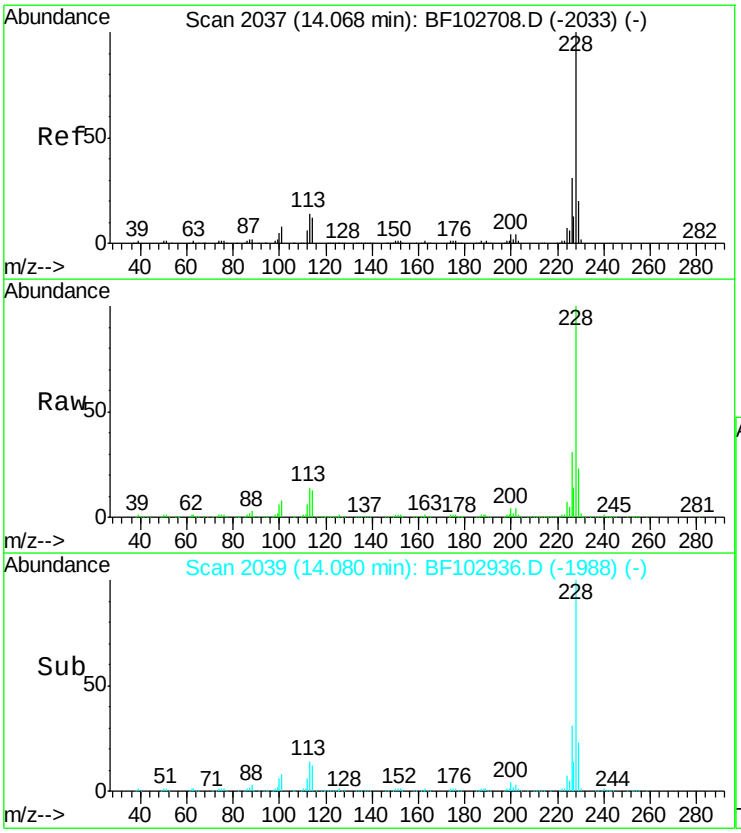
#80
Benzo(a)anthracene
Concen: 18.59 ng
RT: 14.08 min Scan# 2039
Delta R.T. 0.04 min
Lab File: BF102936.D
Acq: 12 Feb 2018 23:13

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:228 Resp: 359760

Ion	Ratio	Lower	Upper
228	100		
226	31.4	22.6	33.8
229	23.1	15.8	23.6

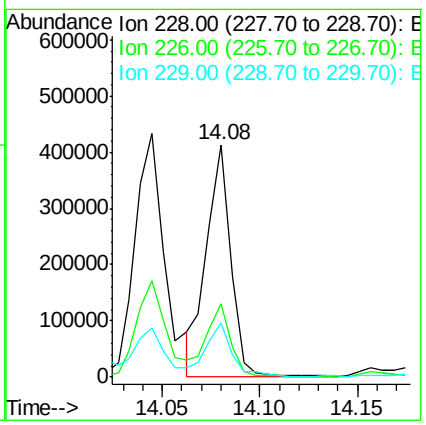


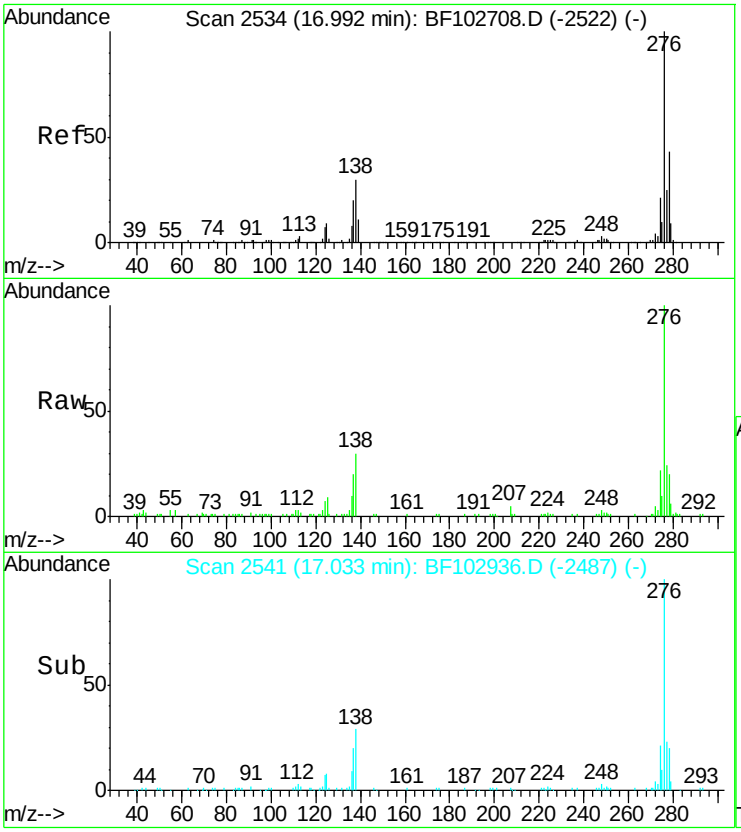


#82
Chrysene
Concen: 18.44 ng
RT: 14.08 min Scan# 2039
Delta R.T. 0.00 min
Lab File: BF102936.D
Acq: 12 Feb 2018 23:13

Tgt Ion:228 Resp: 359760

Ion	Ratio	Lower	Upper
228	100		
226	31.4	25.0	37.6
229	23.1	16.2	24.4



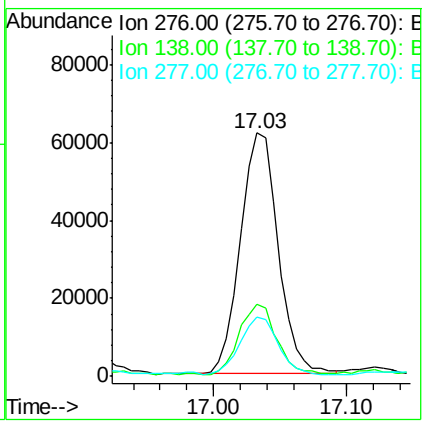


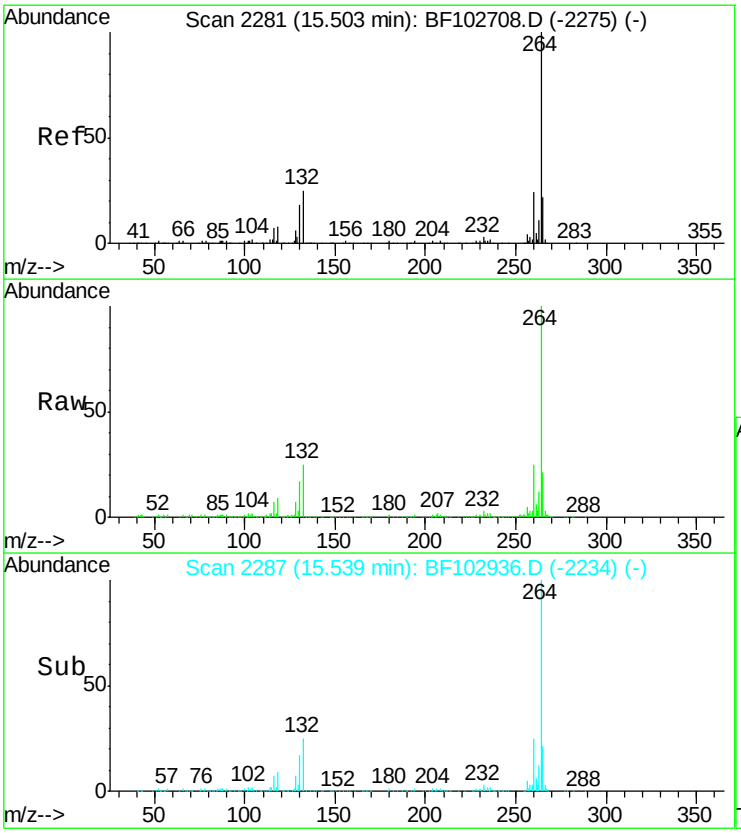
#85
Indeno(1,2,3-cd)pyrene
Concen: 7.46 ng
RT: 17.03 min Scan# 2541
Delta R.T. 0.02 min
Lab File: BF102936.D
Acq: 12 Feb 2018 23:13

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:276 Resp: 120725

Ion	Ratio	Lower	Upper
276	100		
138	28.7	25.0	37.6
277	23.9	20.1	30.1

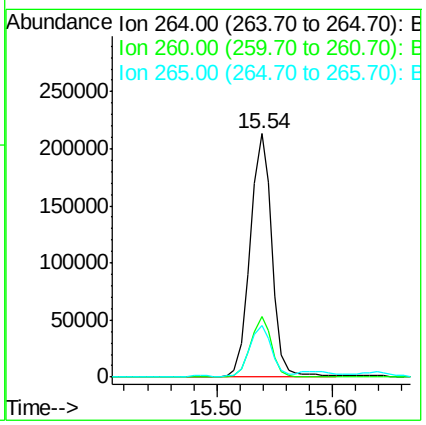


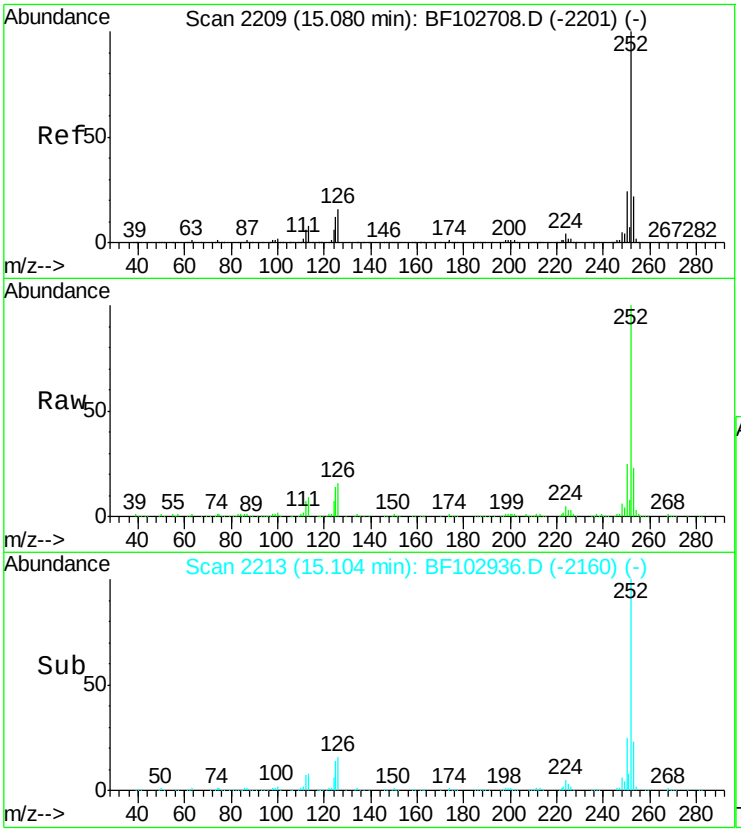


#86
Perylene-d12
Concen: 20.00 ng
RT: 15.54 min Scan# 2287
Delta R.T. 0.01 min
Lab File: BF102936.D
Acq: 12 Feb 2018 23:13

Tgt Ion:264 Resp: 280244

Ion	Ratio	Lower	Upper
264	100		
260	24.8	19.2	28.8
265	21.3	17.5	26.3



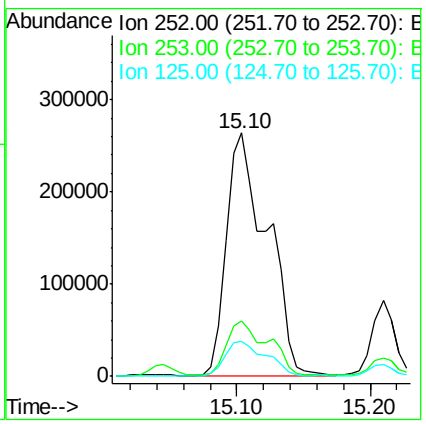


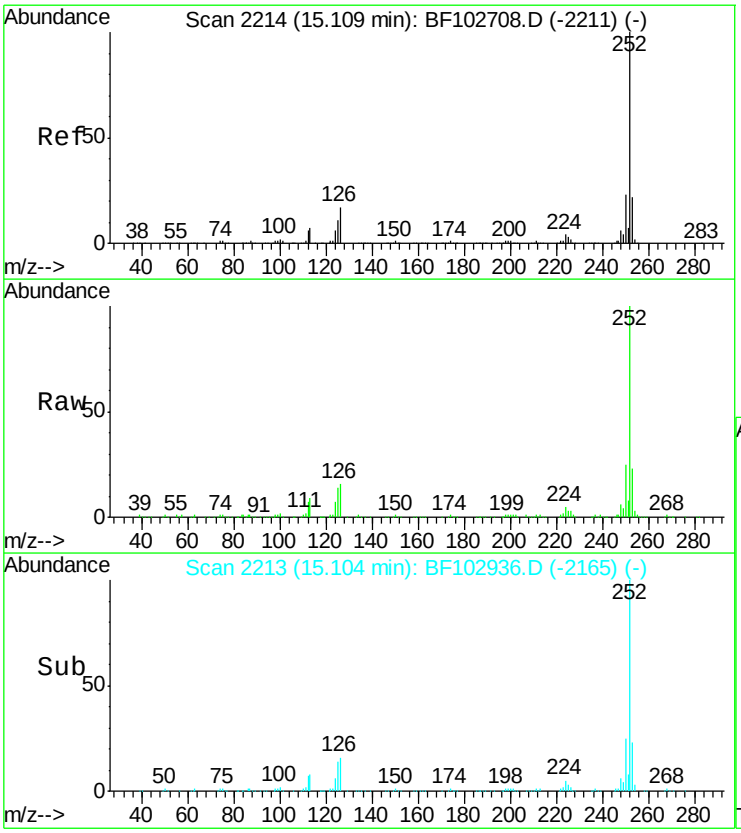
#87
Benzo(b)fluoranthene
Concen: 30.72 ng
RT: 15.10 min Scan# 2213
Delta R.T. 0.01 min
Lab File: BF102936.D
Acq: 12 Feb 2018 23:13

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:252 Resp: 558199

Ion	Ratio	Lower	Upper
252	100		
253	23.0	17.0	25.6
125	14.3	9.0	13.6#

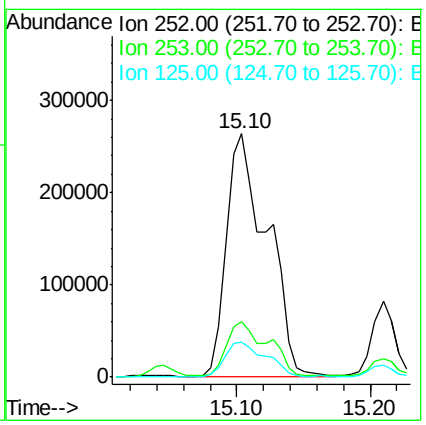


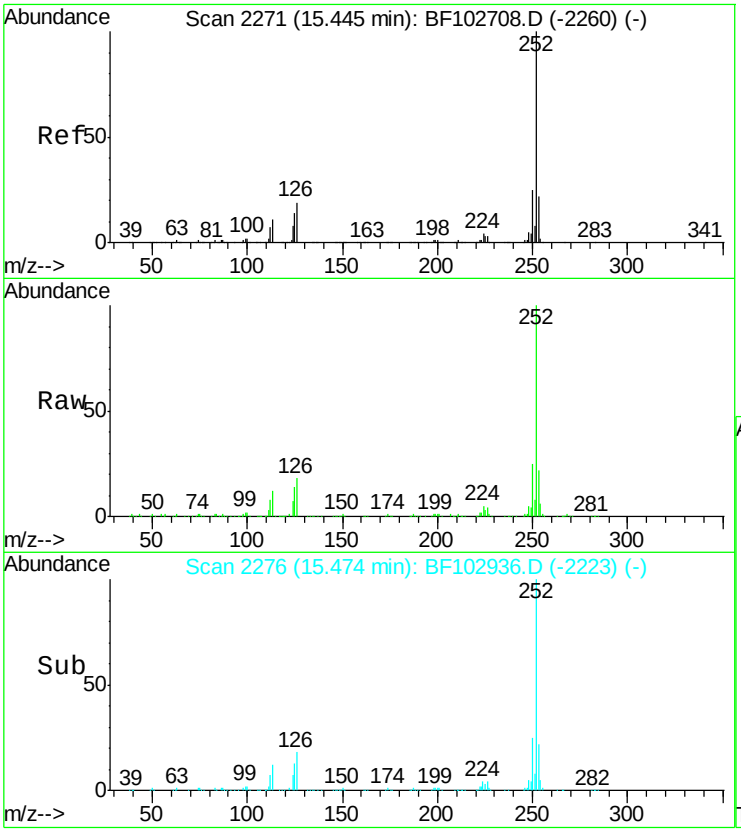


#88
Benzo(k)fluoranthene
Concen: 32.15 ng
RT: 15.10 min Scan# 2213
Delta R.T. -0.02 min
Lab File: BF102936.D
Acq: 12 Feb 2018 23:13

Tgt Ion:252 Resp: 558199

Ion	Ratio	Lower	Upper
252	100		
253	23.0	17.9	26.9
125	14.3	10.2	15.2



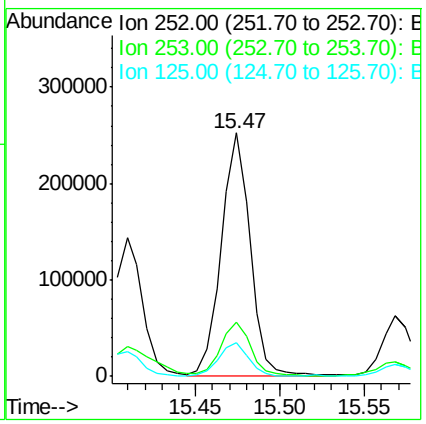


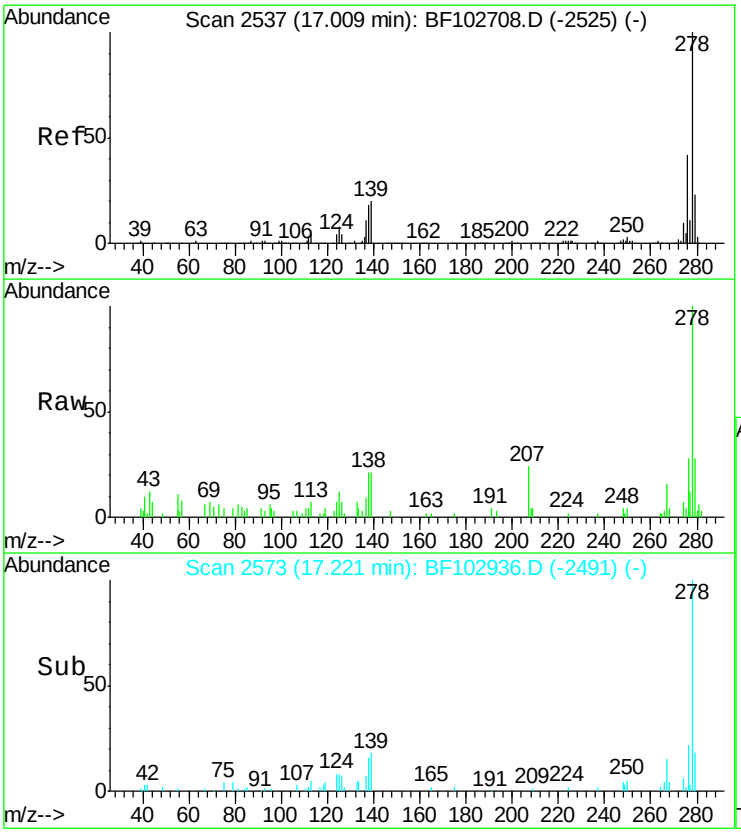
#89
Benzo(a)pyrene
Concen: 18.23 ng
RT: 15.47 min Scan# 2276
Delta R.T. 0.01 min
Lab File: BF102936.D
Acq: 12 Feb 2018 23:13

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:252 Resp: 298102

Ion	Ratio	Lower	Upper
252	100		
253	22.4	17.1	25.7
125	13.8	9.8	14.6

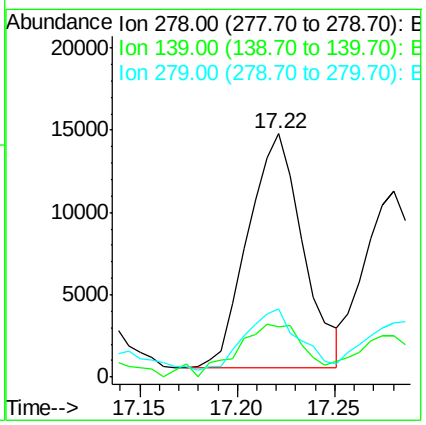


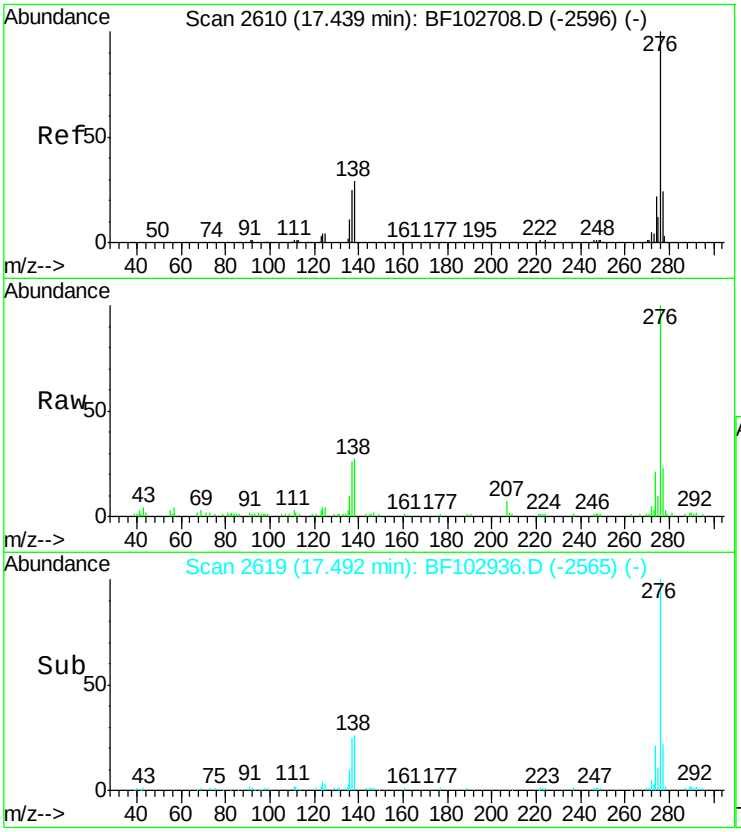


#90
Dibenzo(a,h)anthracene
Concen: 2.09 ng
RT: 17.22 min Scan# 2573
Delta R.T. 0.18 min
Lab File: BF102936.D
Acq: 12 Feb 2018 23:13

Tgt Ion:278 Resp: 27760

Ion	Ratio	Lower	Upper
278	100		
139	20.8	15.9	23.9
279	28.2	19.0	28.4





#91
Benzo(g,h,i)perylene
Concen: 7.59 ng
RT: 17.49 min Scan# 2619
Delta R.T. 0.02 min
Lab File: BF102936.D
Acq: 12 Feb 2018 23:13

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:276 Resp: 98570

Ion	Ratio	Lower	Upper
276	100		
277	23.1	17.9	26.9
138	26.8	21.8	32.8