Quantitation Report (Not Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF111918\
Data File : BF110851.D
Acq On : 19 Nov 2018 14:24
Operator : JU/SJ
Sample : J5977-12 10X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :

Quant Time: Nov 19 15:30:32 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	65420	20.00	ng		0.00
21) Naphthalene-d8	8.22	136	277920	20.00	ng		0.00
39) Acenaphthene-d10	9.98	164	125062	20.00	ng		-0.01
64) Phenanthrene-d10	11.47	188	205304	20.00	ng		-0.01
76) Chrysene-d12	14.13	240	148871	20.00	ng		-0.01
87) Perylene-d12	15.66	264	156795	20.00	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.57	112	35649	8.85	ng		0.00
7) Phenol-d6	6.57	99	48469	9.41	ng		0.00
23) Nitrobenzene-d5	7.52	82	29996	6.22	ng		0.00
42) 2,4,6-Tribromophenol	10.78	330	10059	7.98	ng		0.00
45) 2-Fluorobiphenyl	9.29	172	60621	6.92	ng		-0.01
79) Terphenyl-d14	13.06	244	40592	5.11	ng		-0.01
Target Compounds							Qvalue
9) Benzaldehyde	6.71	77	782	Below Cal		#	68
25) Isophorone	7.52	82	29996	3.792	ng	#	67
31) Naphthalene	8.25	128	141152	10.819	ng		99
33) 4-Chloroaniline	8.25	127	17521	2.965	ng	#	32
37) 2-Methylnaphthalene	8.94	142	50897	5.951	ng		96
38) 1-Methylnaphthalene	8.94	142	50897	6.188	ng		100
49) Acenaphthylene	9.85	152	111357	9.200	ng		99
51) 2,6-Dinitrotoluene	9.98	165	18136	8.835	ng	#	22
55) Dibenzofuran	10.19	168	77455	6.921	ng		97
56) 4-Nitrophenol	10.19	139	30273	19.187	ng	#	7
58) Fluorene	10.53	166	138683	16.133	ng		100
71) Phenanthrene	11.50	178	836216	76.026	ng		100
72) Anthracene	11.55	178	194153	17.498	ng		99
73) Carbazole	11.71	167	45151	4.237	ng		98
75) Fluoranthene	12.70	202	608209	55.154	ng		99
78) Pyrene	12.93	202	566343	49.407	ng		99
81) Benzo(a)anthracene	14.12	228	274114	30.806	ng		95
83) Chrysene	14.16	228	235709	27.805	ng		98
86) Indeno(1,2,3-cd)pyrene	17.23	276	99096	16.290	ng		97
88) Benzo(b)fluoranthene	15.20	252	365123	38.926	ng		98
89) Benzo(k)fluoranthene	15.20	252	365123	39.394	ng	#	97
90) Benzo(a)pyrene	15.60	252	211927	24.867	ng		99
91) Dibenzo(a,h)anthracene	17.42	278	23262	3.225	ng		94
92) Benzo(g,h,i)perylene	17.72	276	86209	12.048	ng	#	94

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

Quantitation Report (Not Reviewed)

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Acq On : 19 Nov 2018 14:24
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Sample : J5977-12 10X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :

Quant Time: Nov 19 15:30:32 2018
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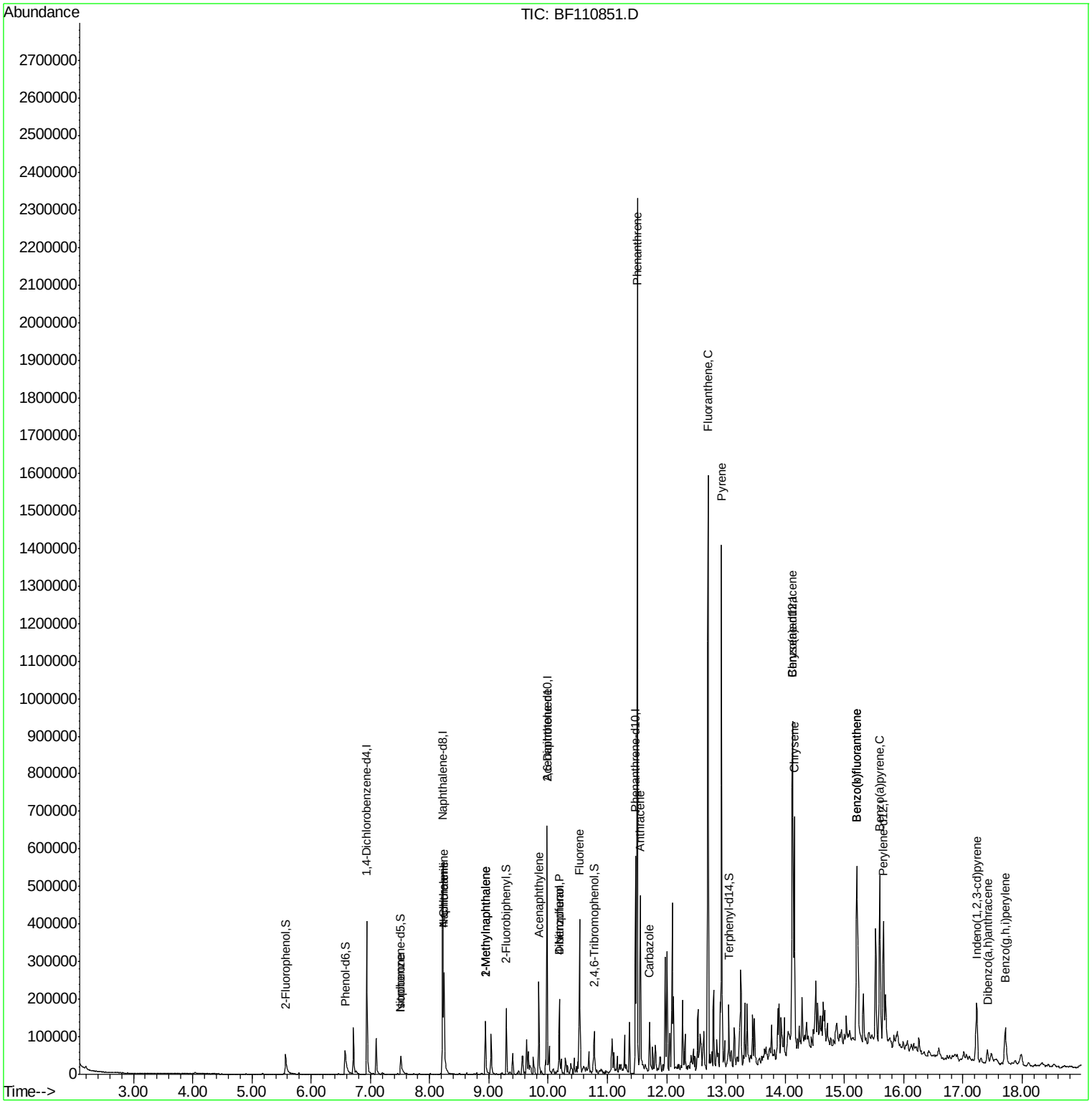
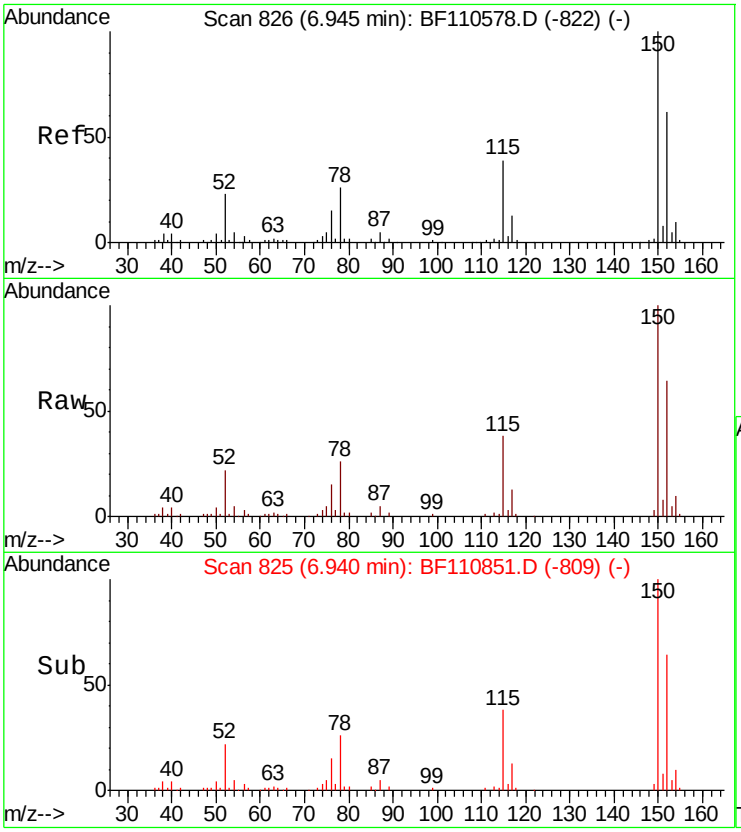
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Nov 13 12:43:10 2018
Response via : Initial Calibration



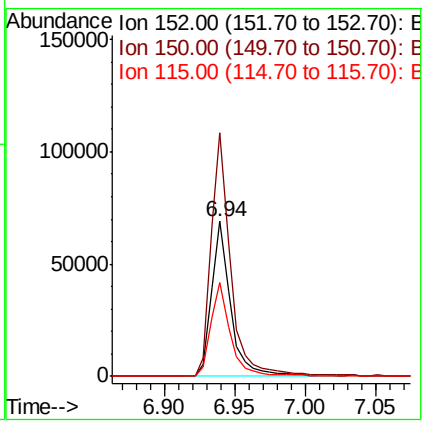


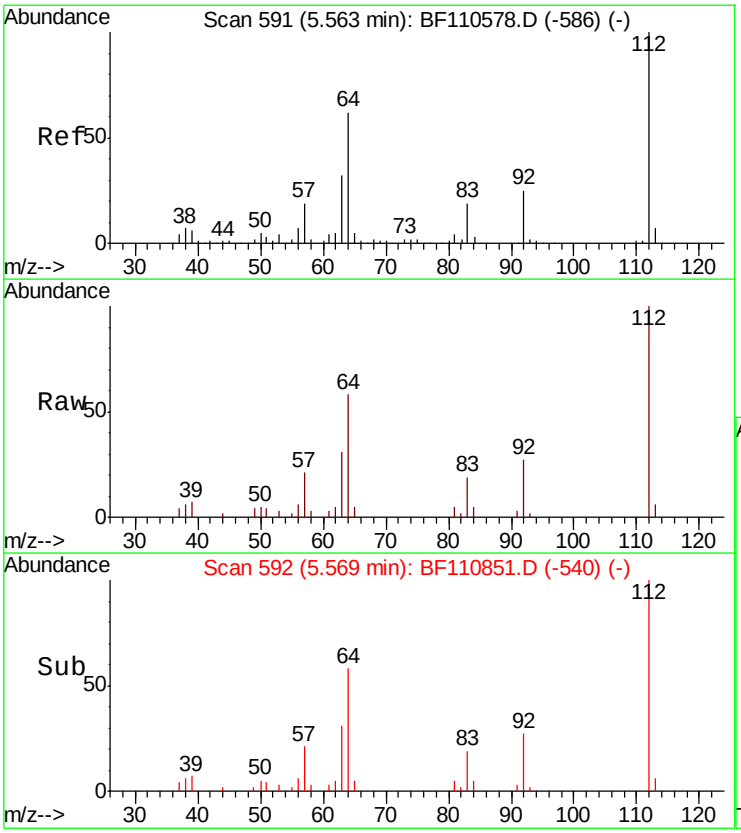
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.94 min Scan# 825
Delta R.T. -0.01 min
Lab File: BF110851.D
Acq: 19 Nov 2018 14:24

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:152 Resp: 65420

Ion	Ratio	Lower	Upper
152	100		
150	157.4	122.7	184.1
115	60.4	49.1	73.7

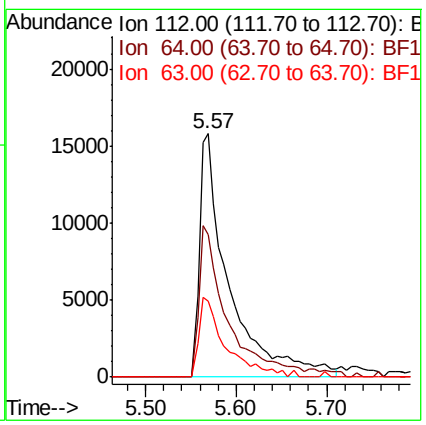


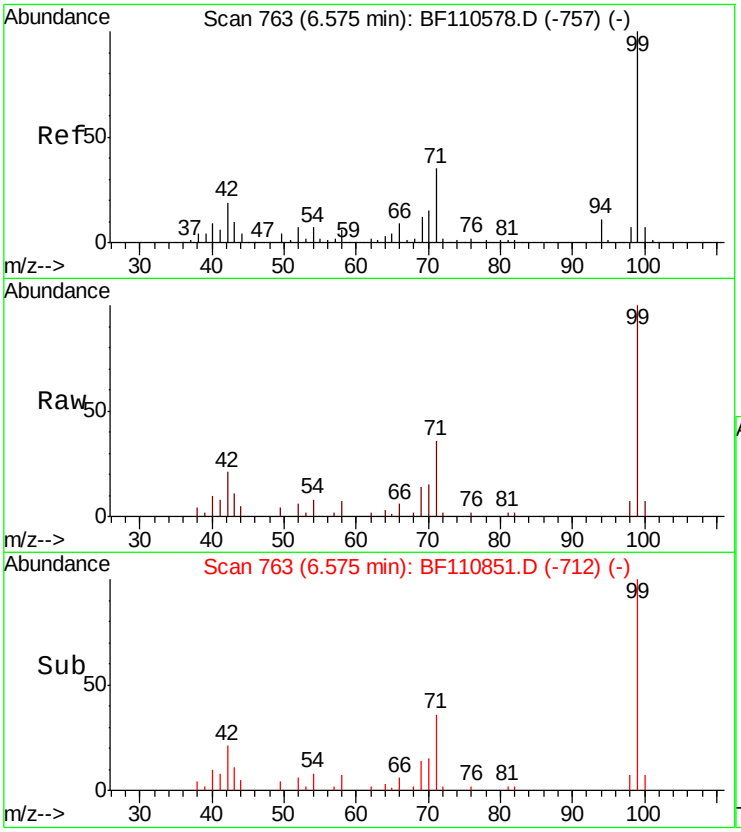


#5
2-Fluorophenol
Concen: 8.851 ng
RT: 5.57 min Scan# 592
Delta R.T. 0.01 min
Lab File: BF110851.D
Acq: 19 Nov 2018 14:24

Tgt Ion:112 Resp: 35649

Ion	Ratio	Lower	Upper
112	100		
64	58.4	44.1	66.1
63	31.2	23.7	35.5



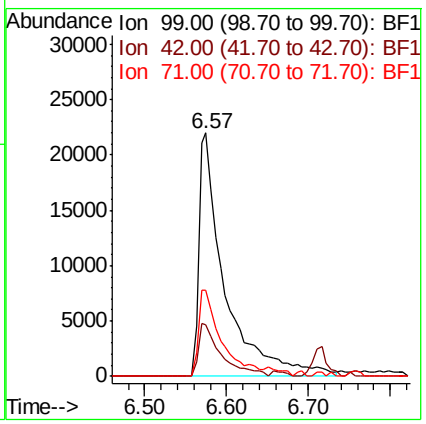


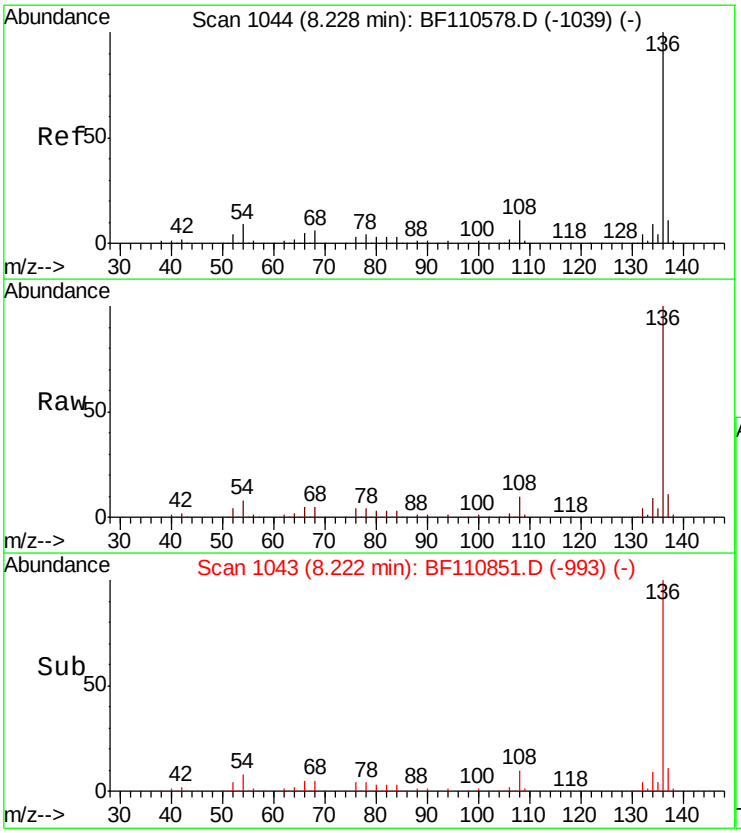
#7
Phenol-d6
Concen: 9.411 ng
RT: 6.57 min Scan# 763
Delta R.T. 0.00 min
Lab File: BF110851.D
Acq: 19 Nov 2018 14:24

Instrument :
BNA_F
ClientSampleId :

Tgt Ion: 99 Resp: 48469

Ion	Ratio	Lower	Upper
99	100		
42	21.2	15.8	23.6
71	35.6	28.0	42.0

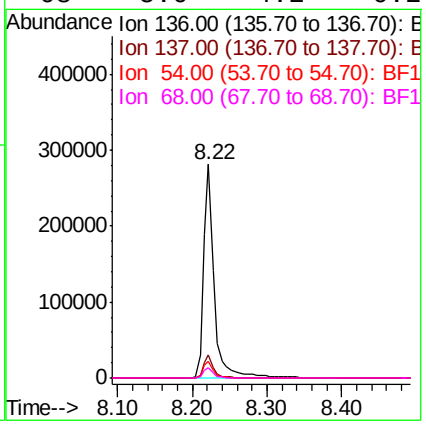


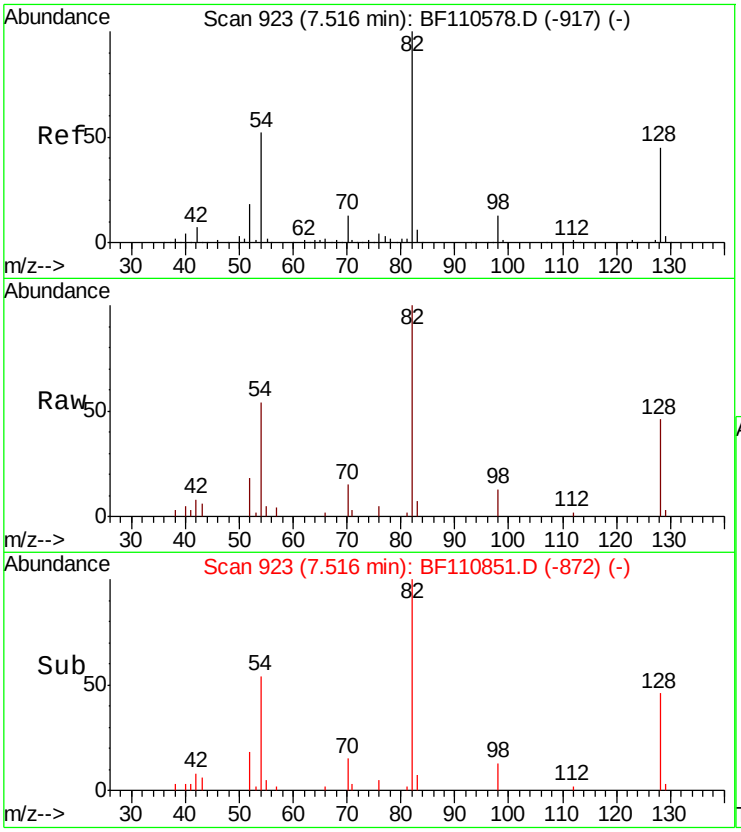


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.22 min Scan# 1043
Delta R.T. -0.01 min
Lab File: BF110851.D
Acq: 19 Nov 2018 14:24

Tgt Ion:136 Resp: 277920

Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.8	13.2
54	7.7	5.4	8.2
68	5.0	4.2	6.2



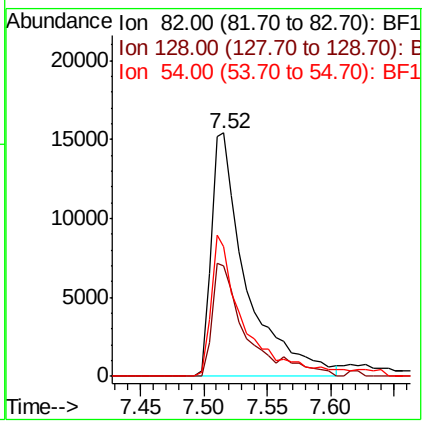


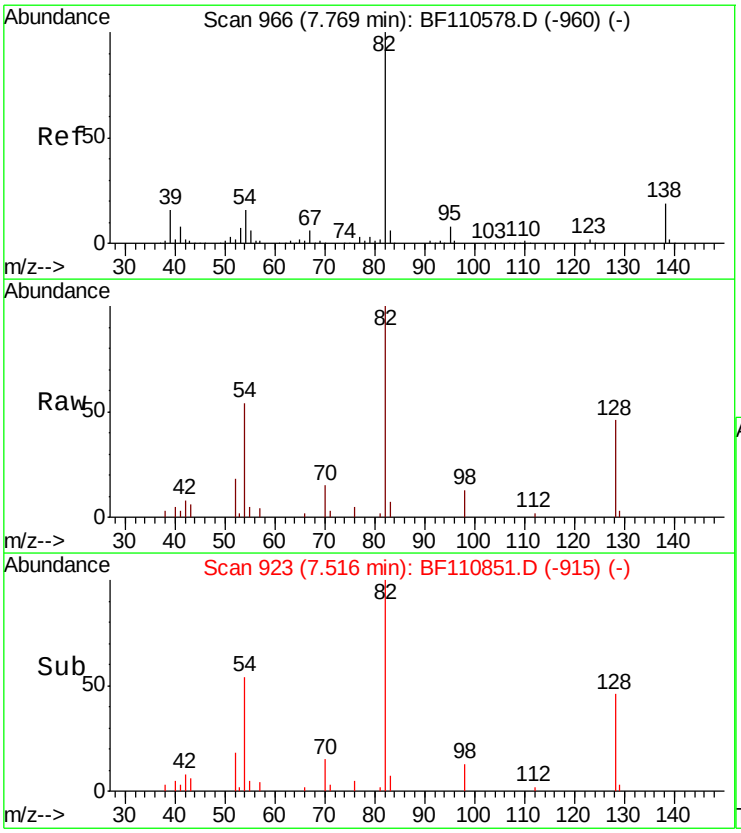
#23
Nitrobenzene-d5
Concen: 6.216 ng
RT: 7.52 min Scan# 923
Delta R.T. 0.00 min
Lab File: BF110851.D
Acq: 19 Nov 2018 14:24

Instrument :
BNA_F
ClientSampleId :

Tgt Ion: 82 Resp: 29996

Ion	Ratio	Lower	Upper
82	100		
128	45.6	34.2	51.2
54	53.5	38.6	58.0

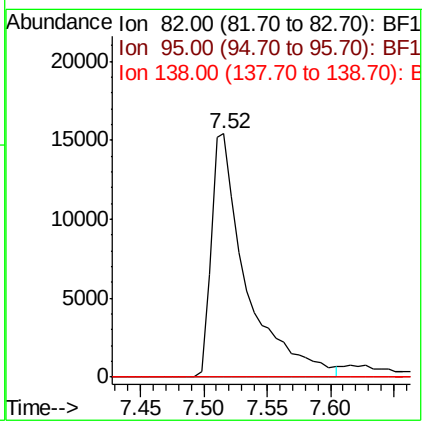


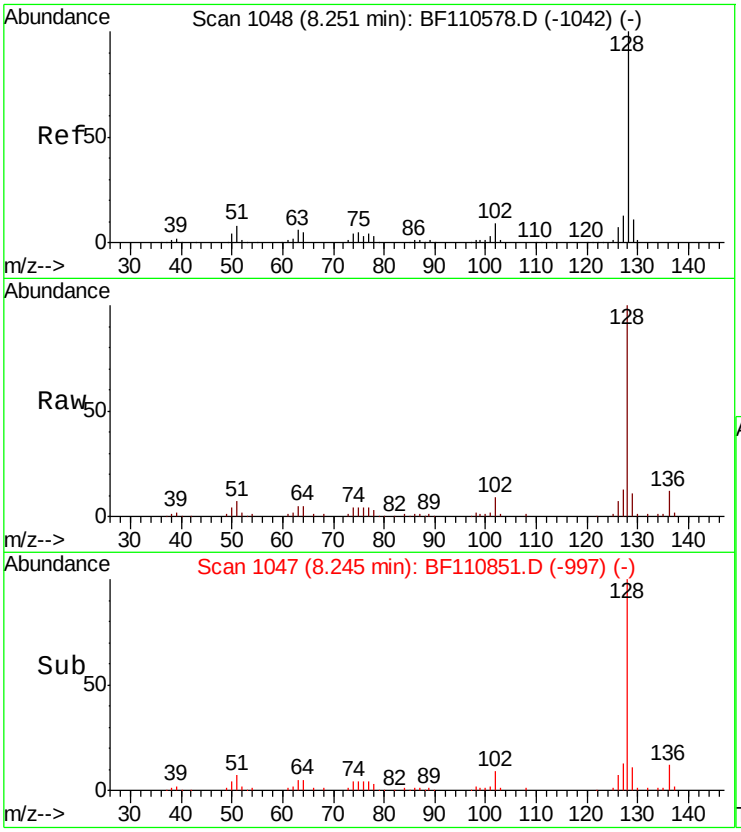


#25
Isophorone
Concen: 3.792 ng
RT: 7.52 min Scan# 923
Delta R.T. -0.25 min
Lab File: BF110851.D
Acq: 19 Nov 2018 14:24

Tgt Ion: 82 Resp: 29996

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



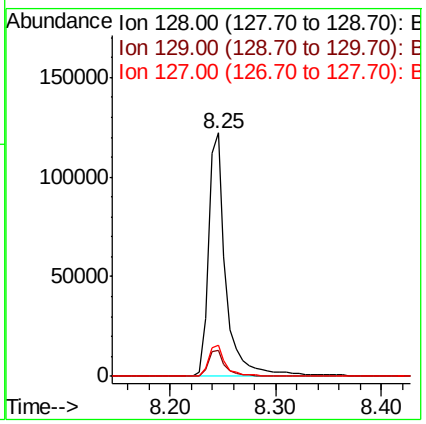


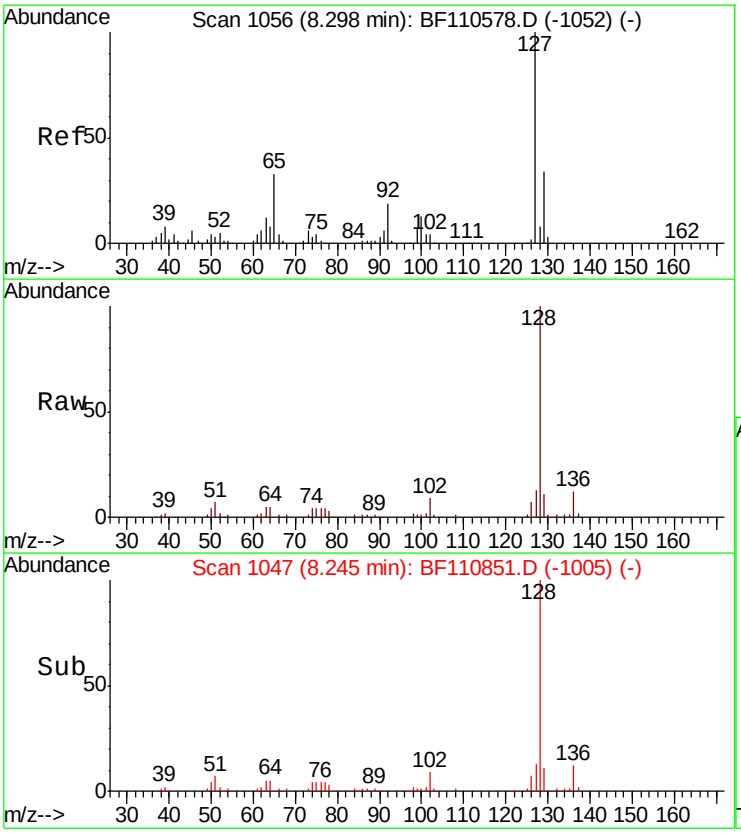
#31
Naphthalene
Concen: 10.819 ng
RT: 8.25 min Scan# 1047
Delta R.T. -0.01 min
Lab File: BF110851.D
Acq: 19 Nov 2018 14:24

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:128 Resp: 141152

Ion	Ratio	Lower	Upper
128	100		
129	10.9	8.8	13.2
127	12.7	10.8	16.2

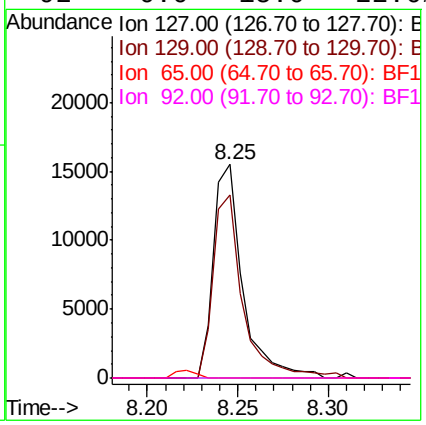


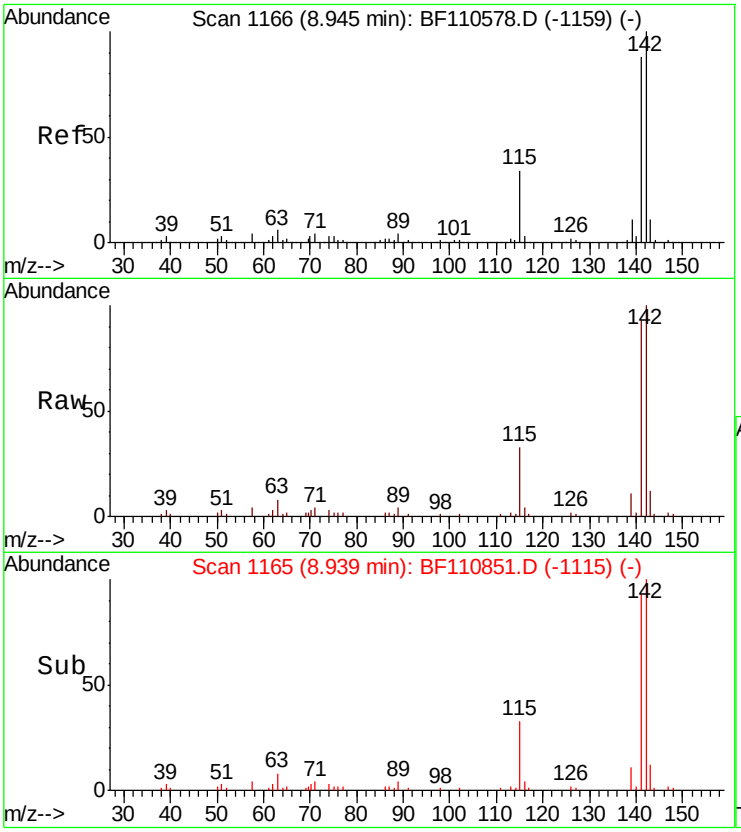


#33
4-Chloroaniline
Concen: 2.965 ng
RT: 8.25 min Scan# 1047
Delta R.T. -0.05 min
Lab File: BF110851.D
Acq: 19 Nov 2018 14:24

Tgt Ion:127 Resp: 17521

Ion	Ratio	Lower	Upper
127	100		
129	85.6	26.0	39.0#
65	0.0	25.1	37.7#
92	0.0	15.0	22.6#

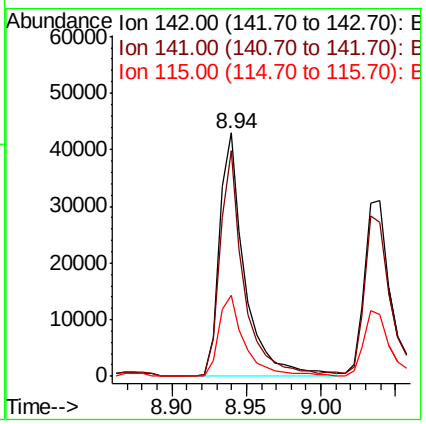




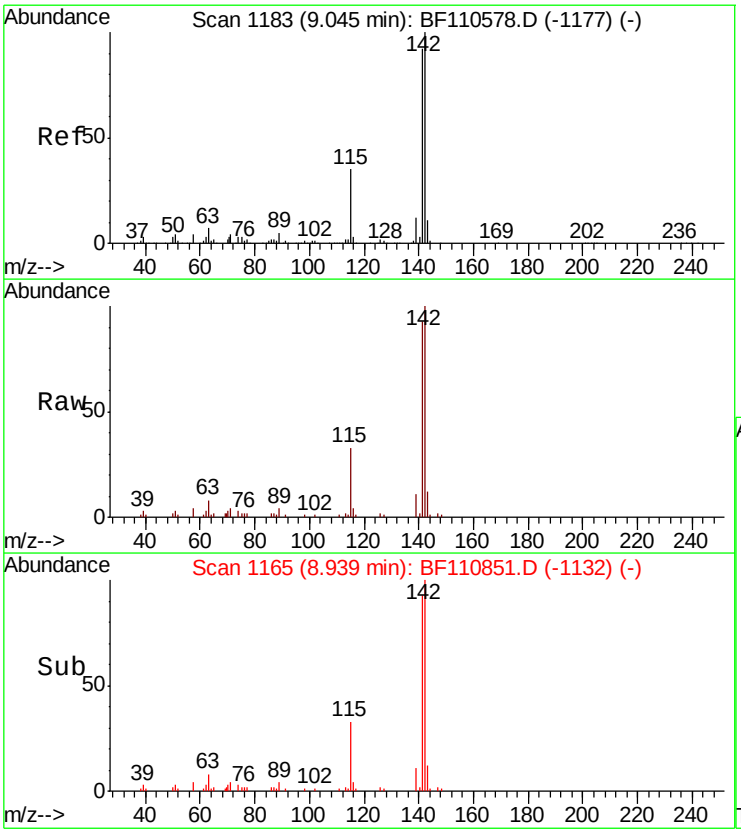
#37
2-Methylnaphthalene
Concen: 5.951 ng
RT: 8.94 min Scan# 1165
Delta R.T. -0.01 min
Lab File: BF110851.D
Acq: 19 Nov 2018 14:24

Tgt Ion:142 Resp: 50897

Ion	Ratio	Lower	Upper
142	100		
141	92.8	71.4	107.2
115	33.1	28.7	43.1



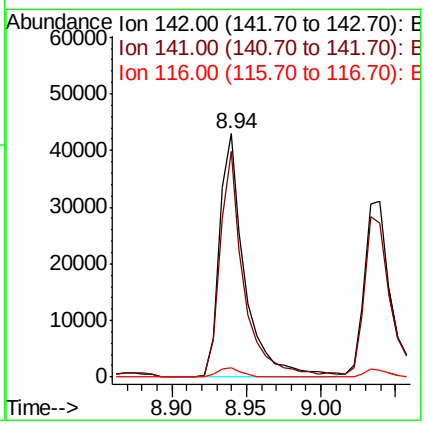
Instrument :
BNA_F
ClientSampleId :

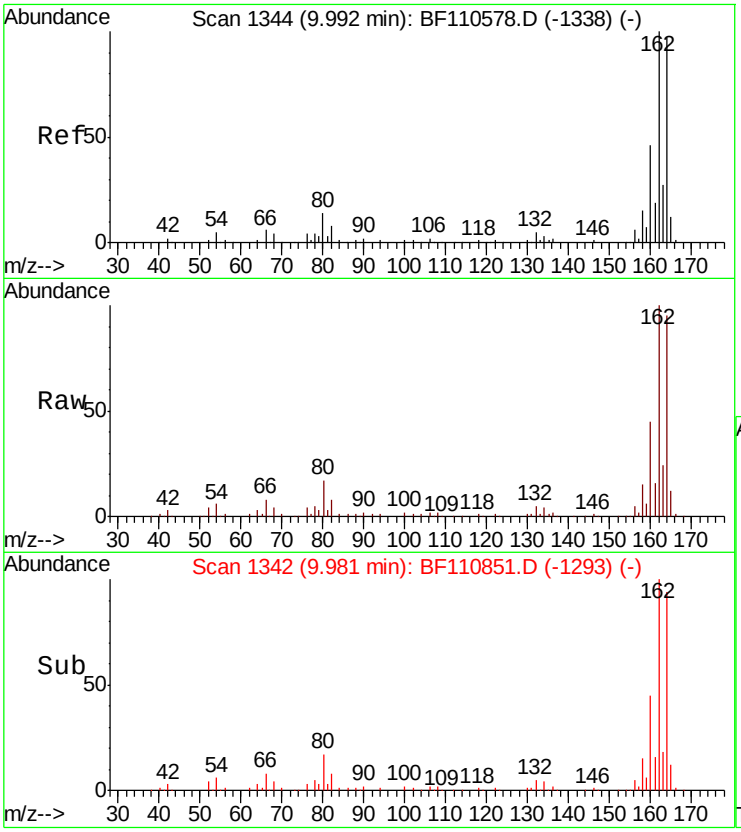


#38
1-Methylnaphthalene
Concen: 6.188 ng
RT: 8.94 min Scan# 1165
Delta R.T. -0.11 min
Lab File: BF110851.D
Acq: 19 Nov 2018 14:24

Tgt Ion:142 Resp: 50897

Ion	Ratio	Lower	Upper
142	100		
141	92.8	74.2	111.4
116	3.8	2.6	4.0



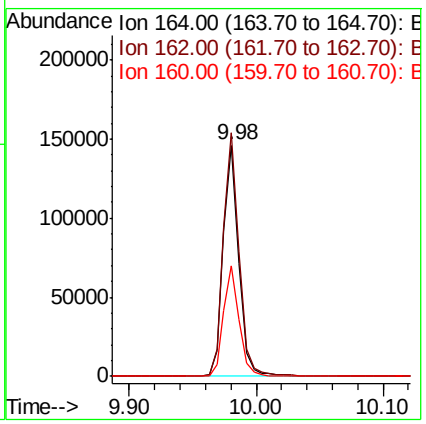


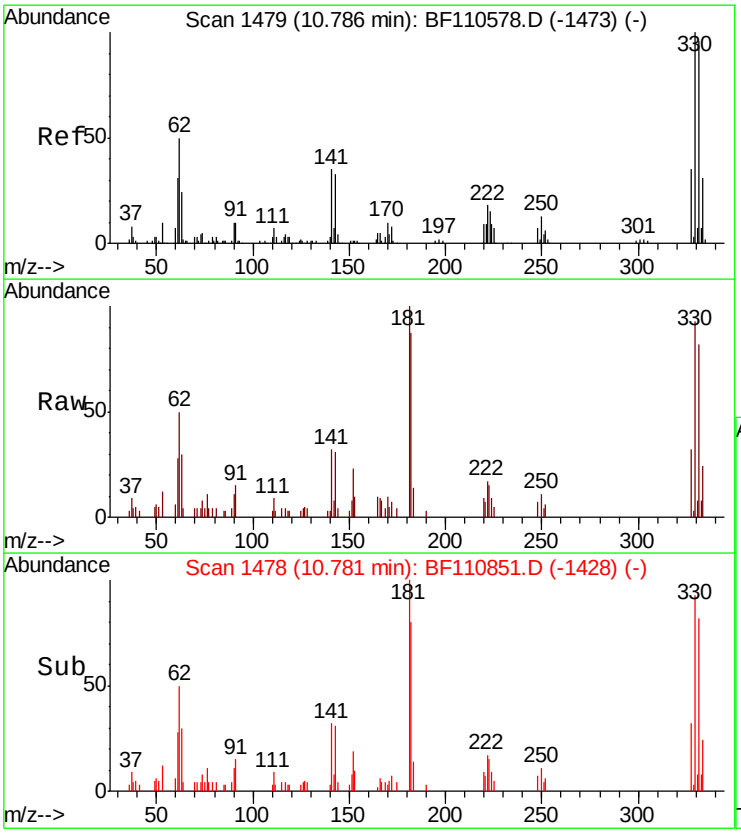
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.98 min Scan# 1342
Delta R.T. -0.01 min
Lab File: BF110851.D
Acq: 19 Nov 2018 14:24

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:164 Resp: 125062

Ion	Ratio	Lower	Upper
164	100		
162	105.3	83.0	124.6
160	47.7	37.0	55.6

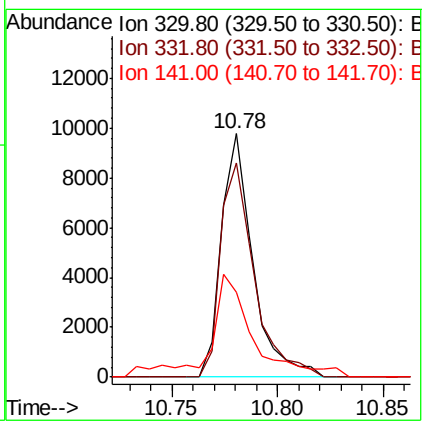


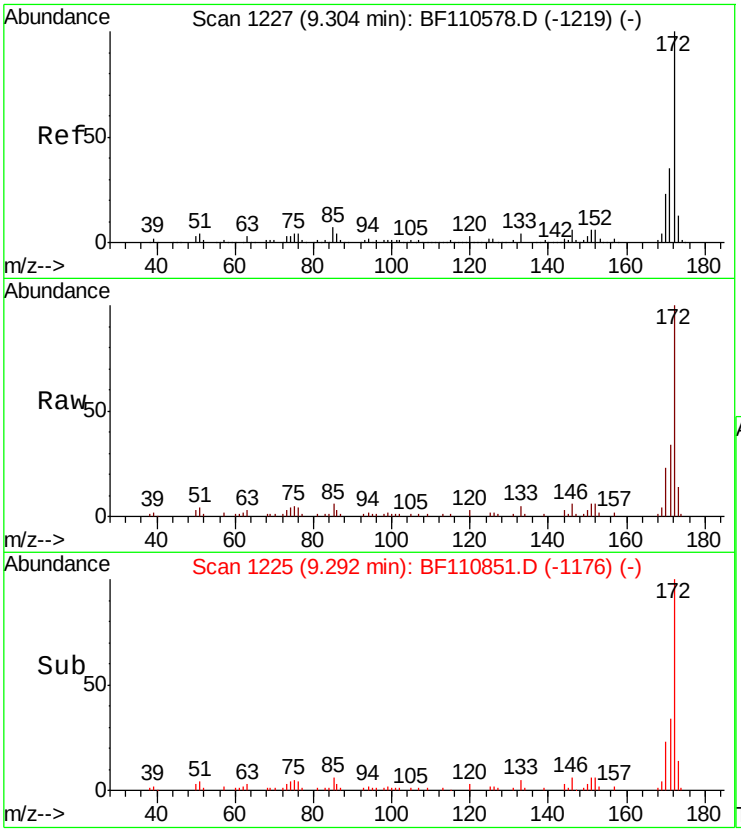


#42
2,4,6-Tribromophenol
Concen: 7.982 ng
RT: 10.78 min Scan# 1478
Delta R.T. -0.01 min
Lab File: BF110851.D
Acq: 19 Nov 2018 14:24

Tgt Ion:330 Resp: 10059

Ion	Ratio	Lower	Upper
330	100		
332	94.5	77.1	115.7
141	58.2	27.0	40.4#



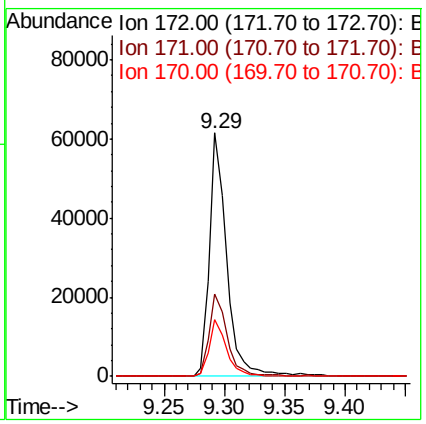


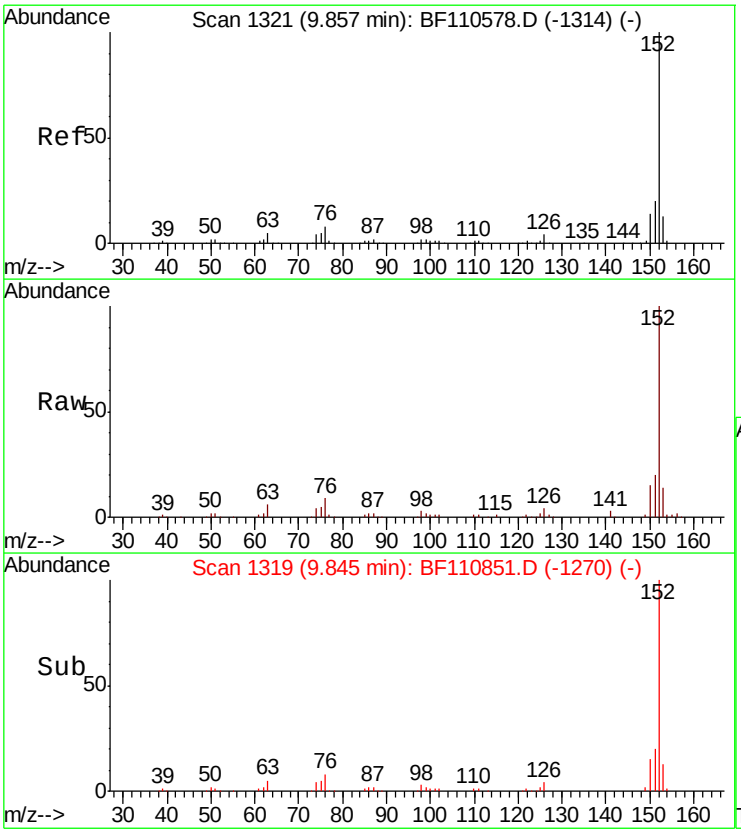
#45
2-Fluorobiphenyl
Concen: 6.923 ng
RT: 9.29 min Scan# 1225
Delta R.T. -0.01 min
Lab File: BF110851.D
Acq: 19 Nov 2018 14:24

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:172 Resp: 60621

Ion	Ratio	Lower	Upper
172	100		
171	34.0	28.6	43.0
170	23.2	19.7	29.5

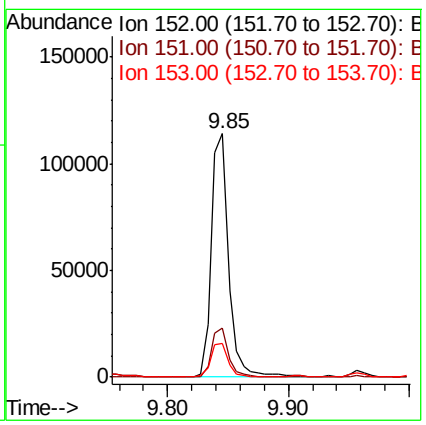


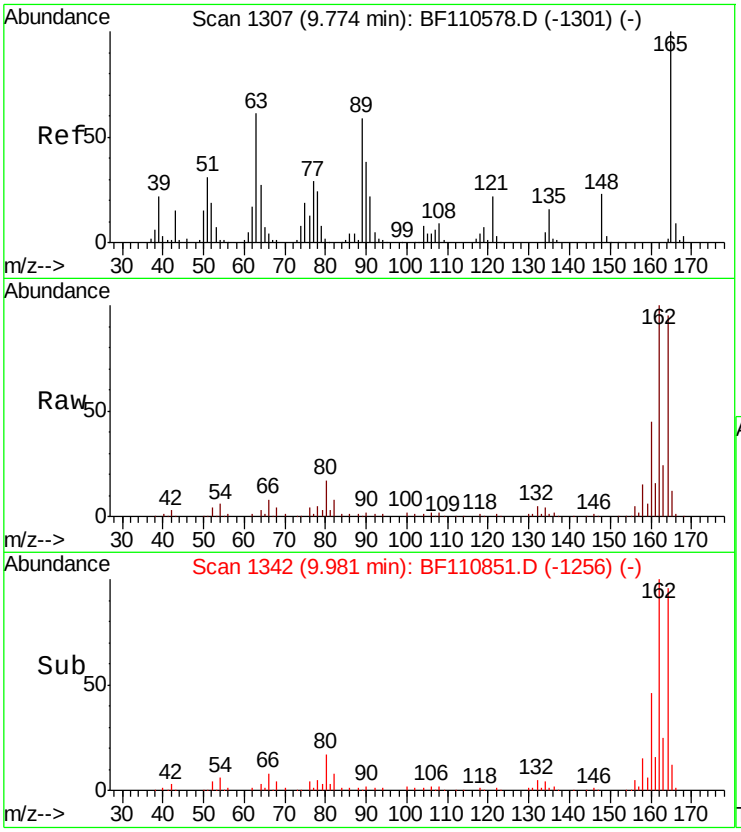


#49
Acenaphthylene
Concen: 9.200 ng
RT: 9.85 min Scan# 1319
Delta R.T. -0.01 min
Lab File: BF110851.D
Acq: 19 Nov 2018 14:24

Tgt Ion:152 Resp: 111357

Ion	Ratio	Lower	Upper
152	100		
151	20.0	15.8	23.8
153	14.0	10.4	15.6



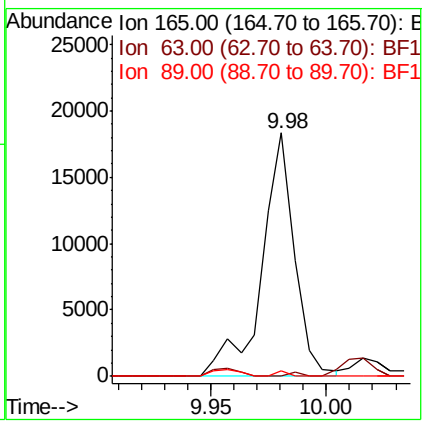


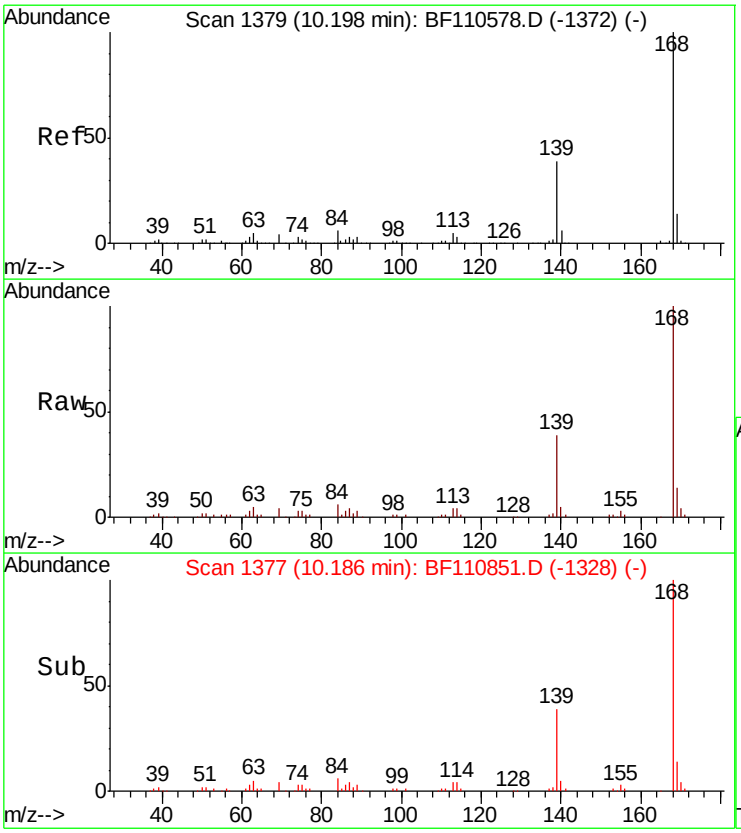
#51
2,6-Dinitrotoluene
Concen: 8.835 ng
RT: 9.98 min Scan# 1342
Delta R.T. 0.21 min
Lab File: BF110851.D
Acq: 19 Nov 2018 14:24

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:165 Resp: 18136

Ion	Ratio	Lower	Upper
165	100		
63	0.0	48.9	73.3#
89	2.5	46.6	69.8#

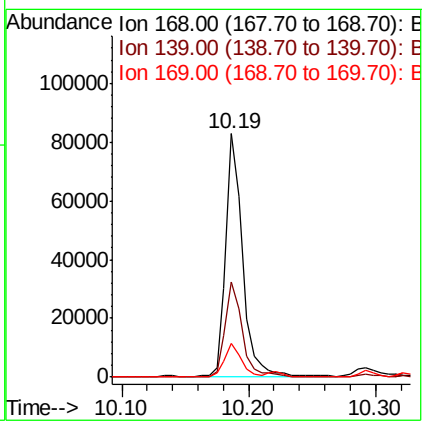


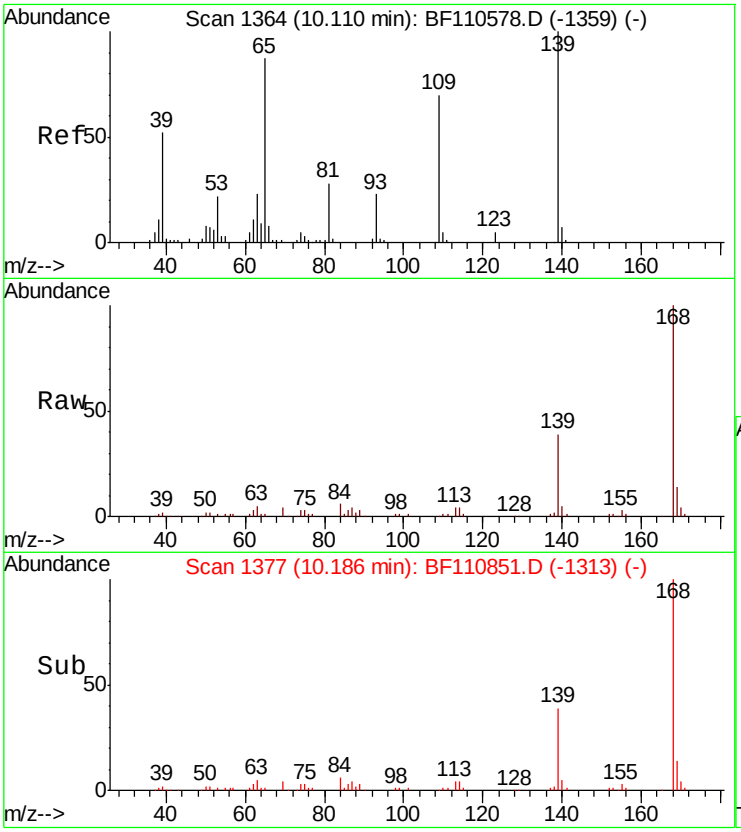


#55
Dibenzofuran
Concen: 6.921 ng
RT: 10.19 min Scan# 1377
Delta R.T. -0.01 min
Lab File: BF110851.D
Acq: 19 Nov 2018 14:24

Tgt Ion:168 Resp: 77455

Ion	Ratio	Lower	Upper
168	100		
139	39.2	33.0	49.6
169	13.9	11.3	16.9



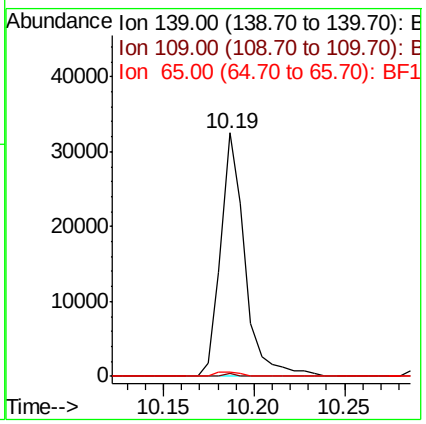


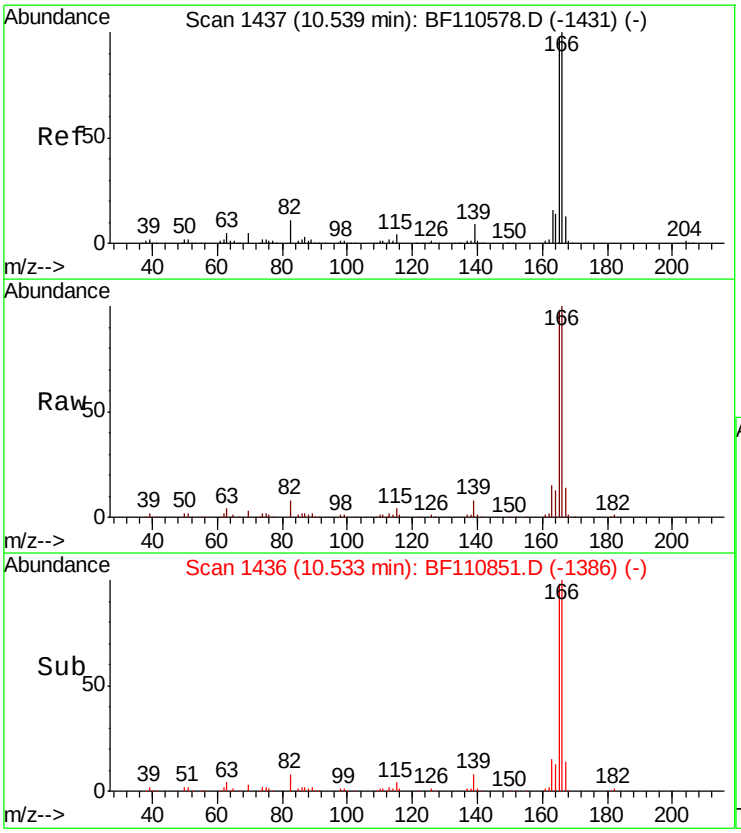
#56
4-Nitrophenol
Concen: 19.187 ng
RT: 10.19 min Scan# 1377
Delta R.T. 0.08 min
Lab File: BF110851.D
Acq: 19 Nov 2018 14:24

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:139 Resp: 30273

Ion	Ratio	Lower	Upper
139	100		
109	1.1	55.8	95.8#
65	1.5	77.9	117.9#

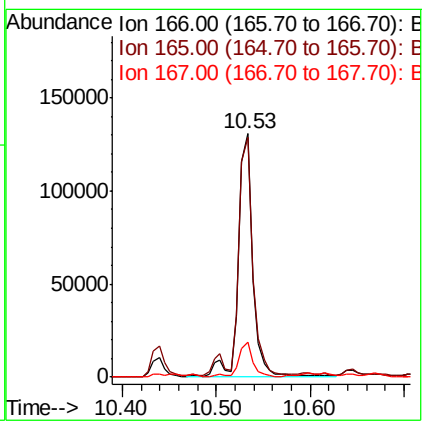


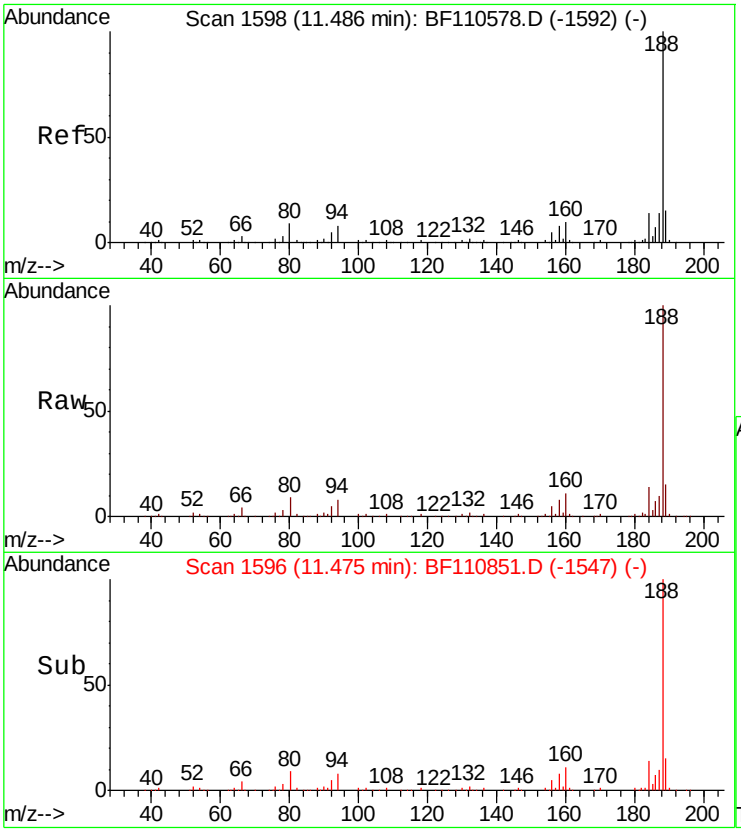


#58
Fluorene
Concen: 16.133 ng
RT: 10.53 min Scan# 1436
Delta R.T. -0.01 min
Lab File: BF110851.D
Acq: 19 Nov 2018 14:24

Tgt Ion:166 Resp: 138683

Ion	Ratio	Lower	Upper
166	100		
165	98.3	78.6	117.8
167	14.3	10.8	16.2



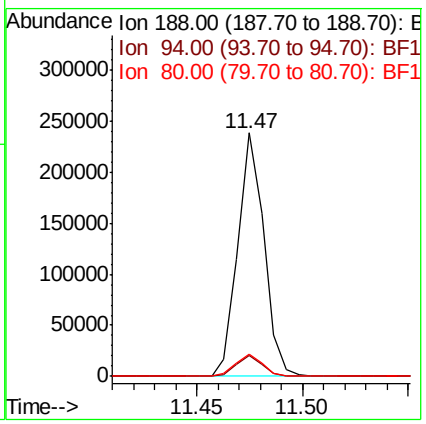


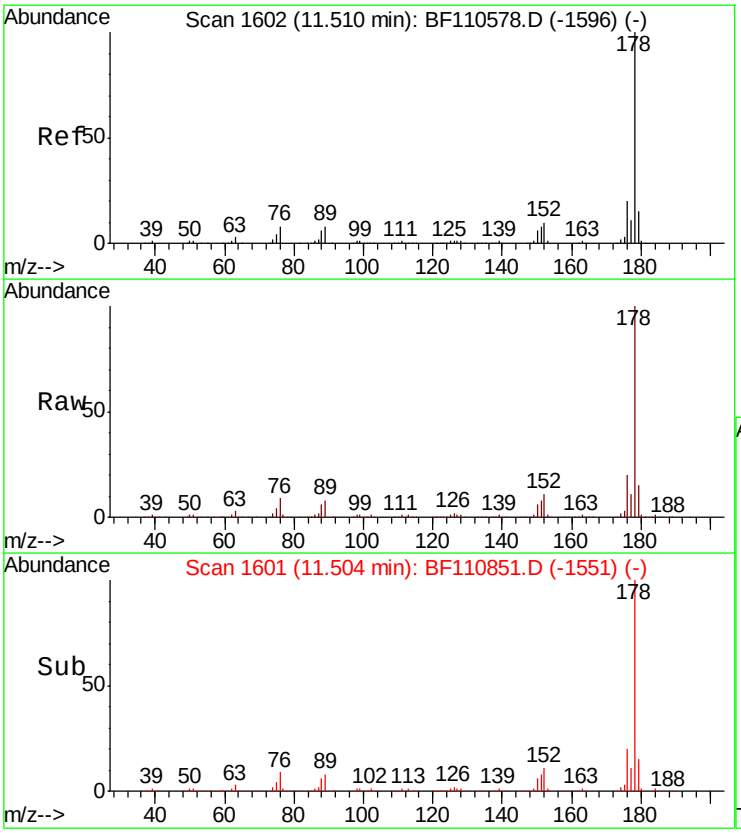
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.47 min Scan# 1596
Delta R.T. -0.01 min
Lab File: BF110851.D
Acq: 19 Nov 2018 14:24

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:188 Resp: 205304

Ion	Ratio	Lower	Upper
188	100		
94	8.4	7.2	10.8
80	9.0	7.9	11.9

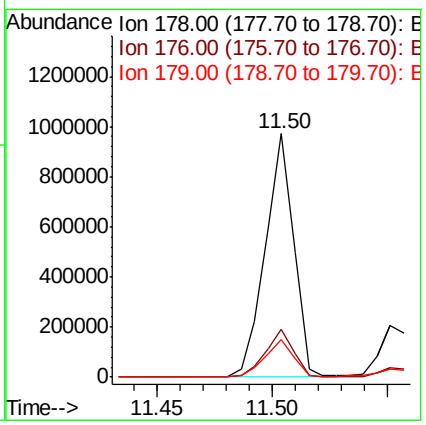


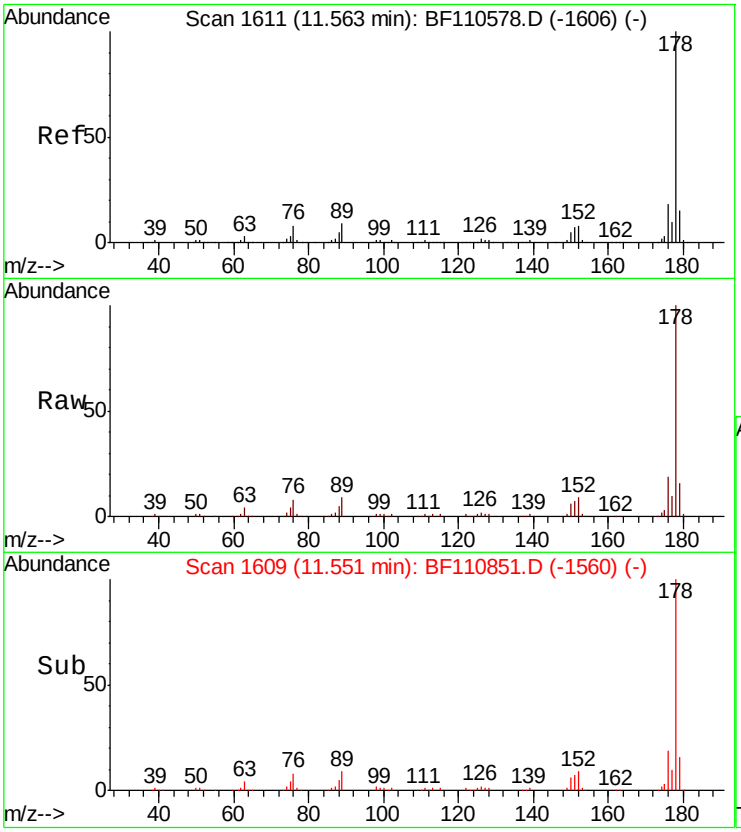


#71
Phenanthrene
Concen: 76.026 ng
RT: 11.50 min Scan# 1601
Delta R.T. -0.01 min
Lab File: BF110851.D
Acq: 19 Nov 2018 14:24

Tgt Ion:178 Resp: 836216

Ion	Ratio	Lower	Upper
178	100		
176	19.5	15.5	23.3
179	15.3	12.5	18.7



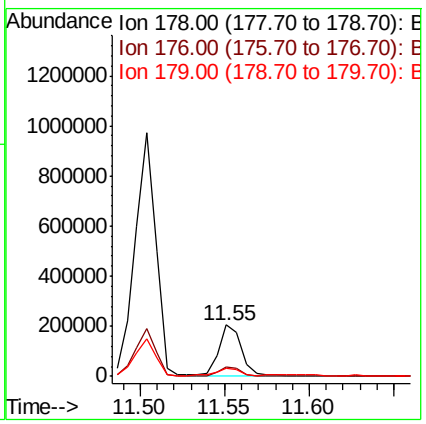


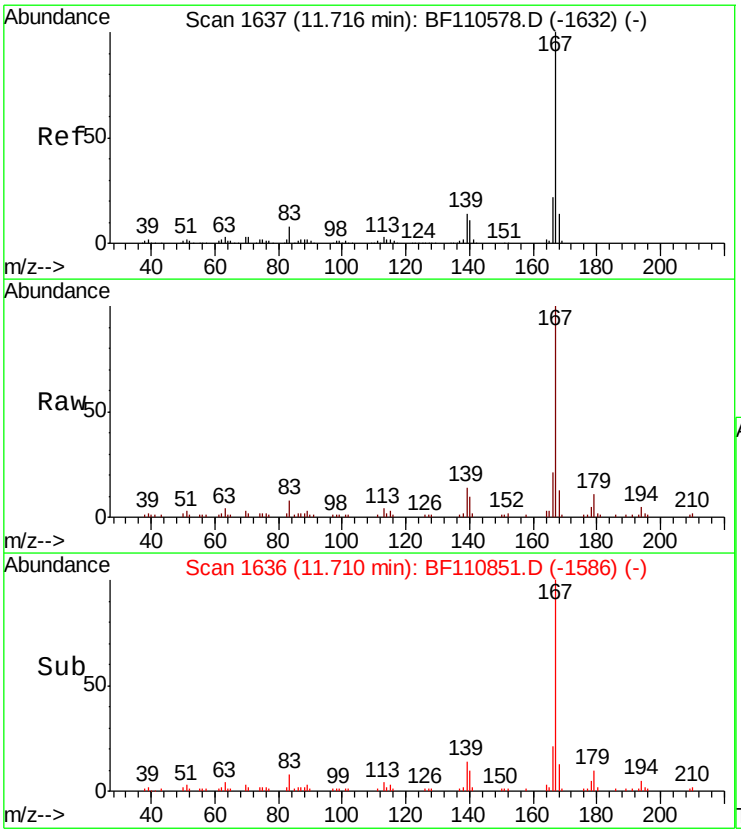
#72
Anthracene
Concen: 17.498 ng
RT: 11.55 min Scan# 1609
Delta R.T. -0.01 min
Lab File: BF110851.D
Acq: 19 Nov 2018 14:24

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:178 Resp: 194153

Ion	Ratio	Lower	Upper
178	100		
176	19.1	15.4	23.2
179	16.1	12.6	18.8

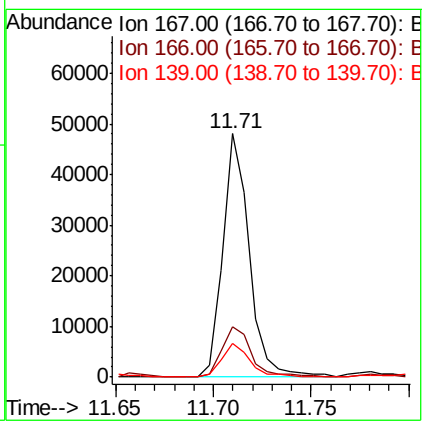


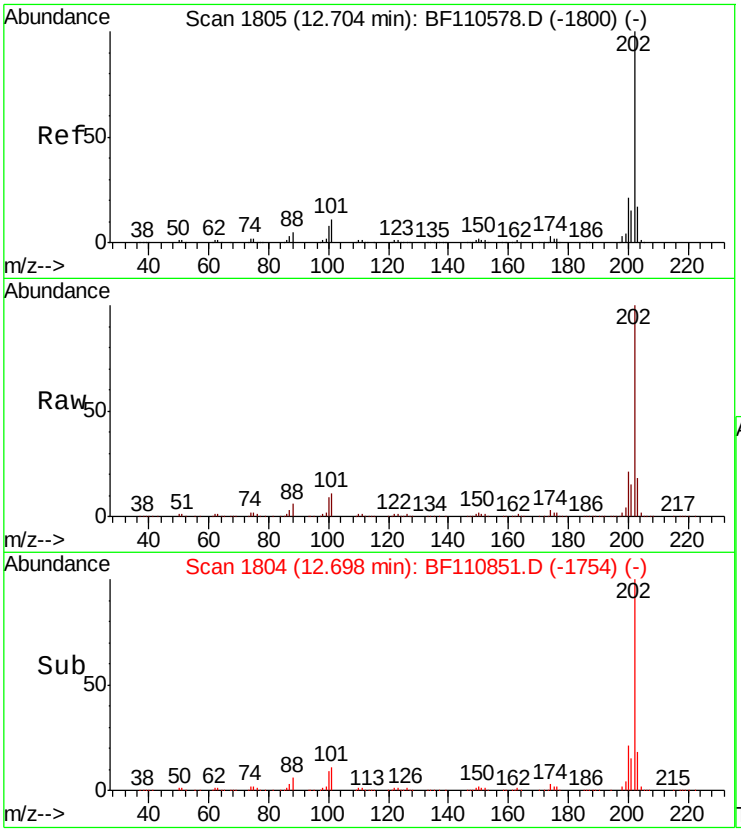


#73
Carbazole
Concen: 4.237 ng
RT: 11.71 min Scan# 1636
Delta R.T. -0.01 min
Lab File: BF110851.D
Acq: 19 Nov 2018 14:24

Tgt Ion:167 Resp: 45151

Ion	Ratio	Lower	Upper
167	100		
166	20.6	17.4	26.0
139	13.7	10.9	16.3



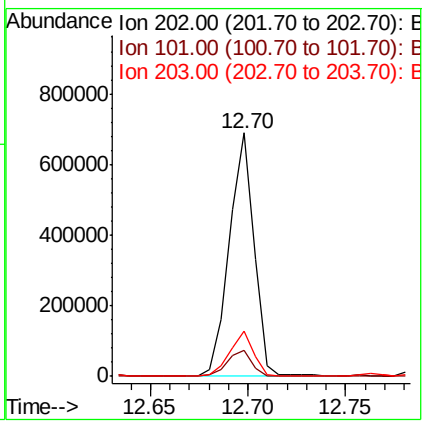


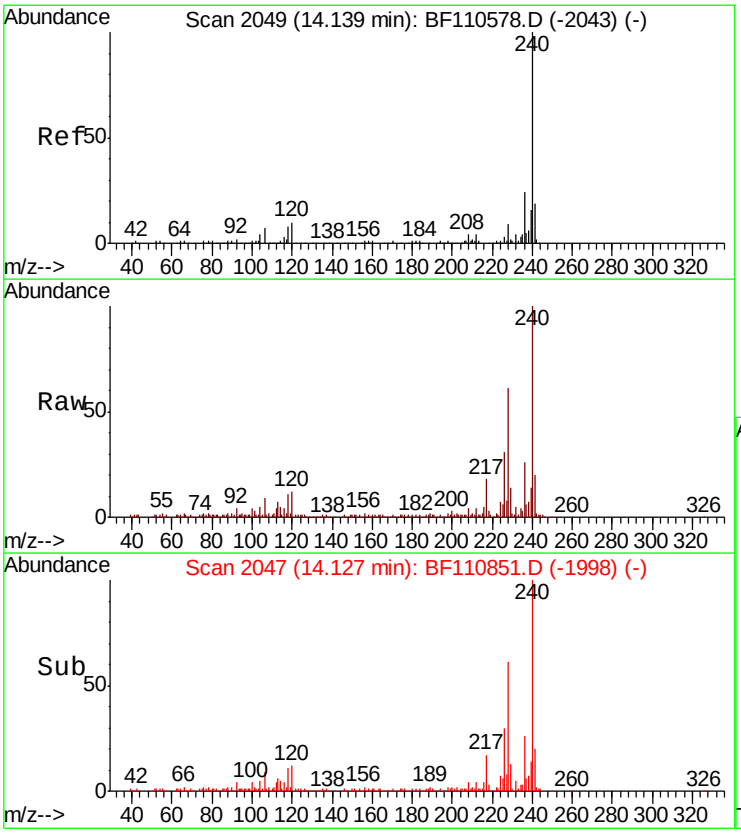
#75
Fluoranthene
Concen: 55.154 ng
RT: 12.70 min Scan# 1804
Delta R.T. -0.01 min
Lab File: BF110851.D
Acq: 19 Nov 2018 14:24

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:202 Resp: 608209

Ion	Ratio	Lower	Upper
202	100		
101	10.9	0.0	31.4
203	18.4	0.0	37.7

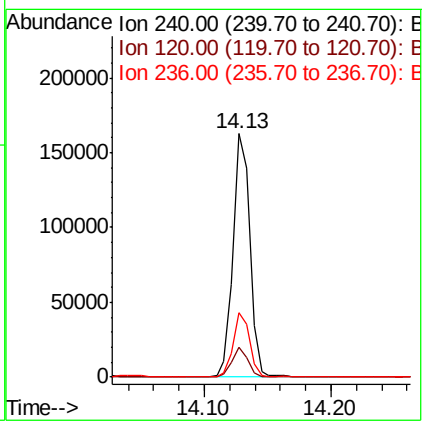


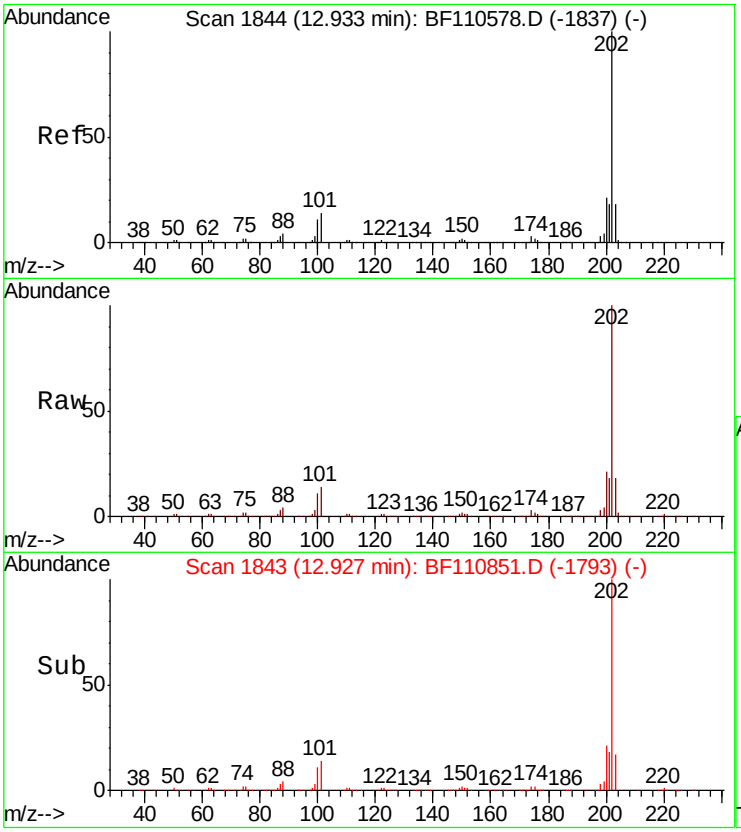


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.13 min Scan# 2047
Delta R.T. -0.01 min
Lab File: BF110851.D
Acq: 19 Nov 2018 14:24

Tgt Ion:240 Resp: 148871

Ion	Ratio	Lower	Upper
240	100		
120	12.5	8.3	12.5#
236	26.3	21.2	31.8



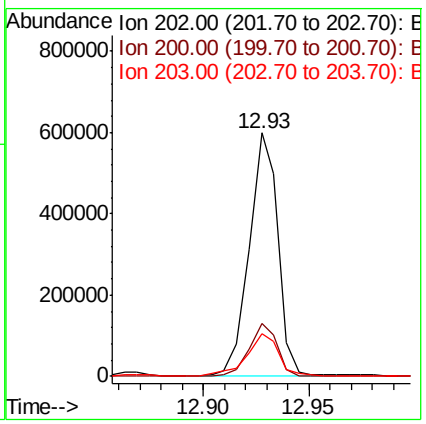


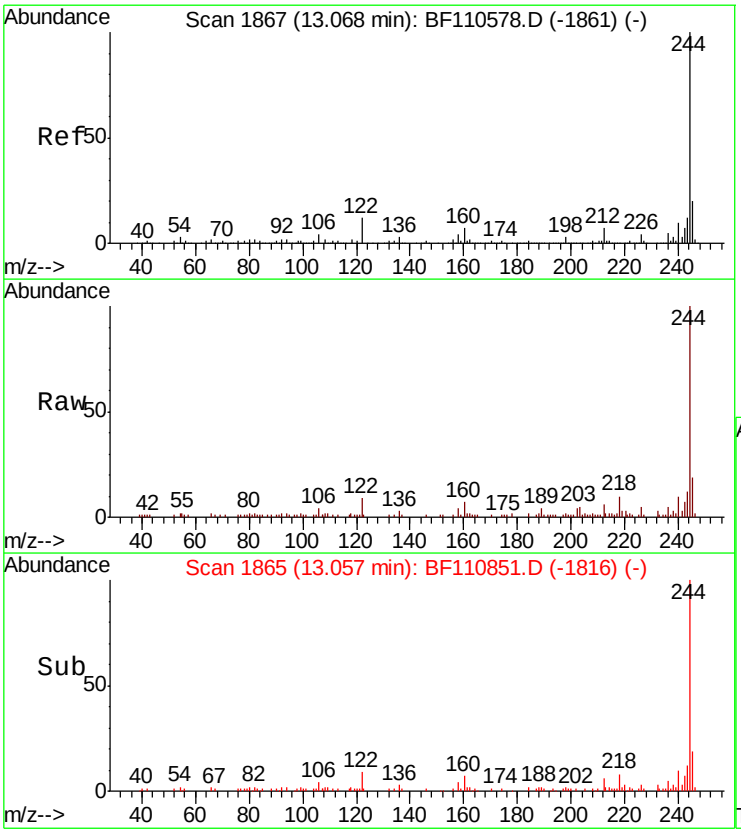
#78
Pyrene
Concen: 49.407 ng
RT: 12.93 min Scan# 1843
Delta R.T. -0.01 min
Lab File: BF110851.D
Acq: 19 Nov 2018 14:24

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:202 Resp: 566343

Ion	Ratio	Lower	Upper
202	100		
200	21.5	17.8	26.6
203	17.7	14.2	21.4

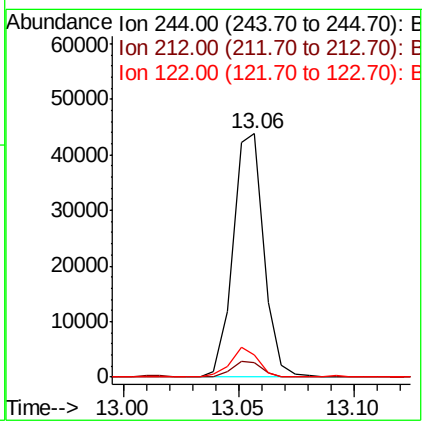


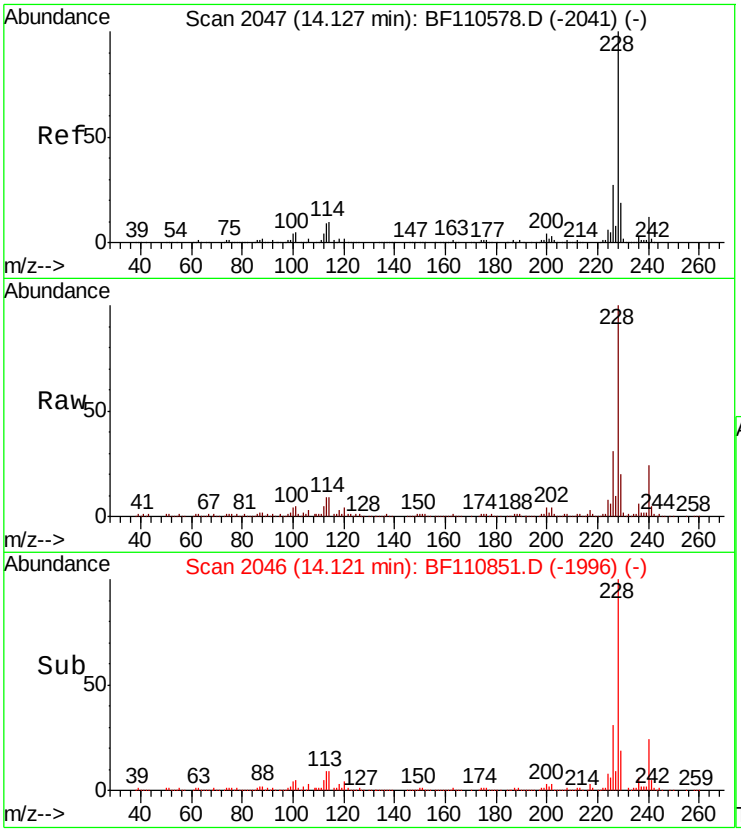


#79
Terphenyl-d14
Concen: 5.106 ng
RT: 13.06 min Scan# 1865
Delta R.T. -0.01 min
Lab File: BF110851.D
Acq: 19 Nov 2018 14:24

Tgt Ion:244 Resp: 40592

Ion	Ratio	Lower	Upper
244	100		
212	5.9	5.8	8.8
122	9.2	8.7	13.1



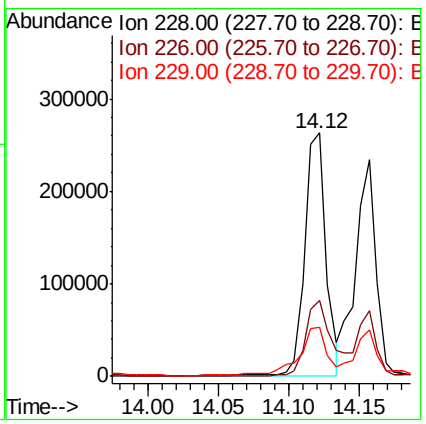


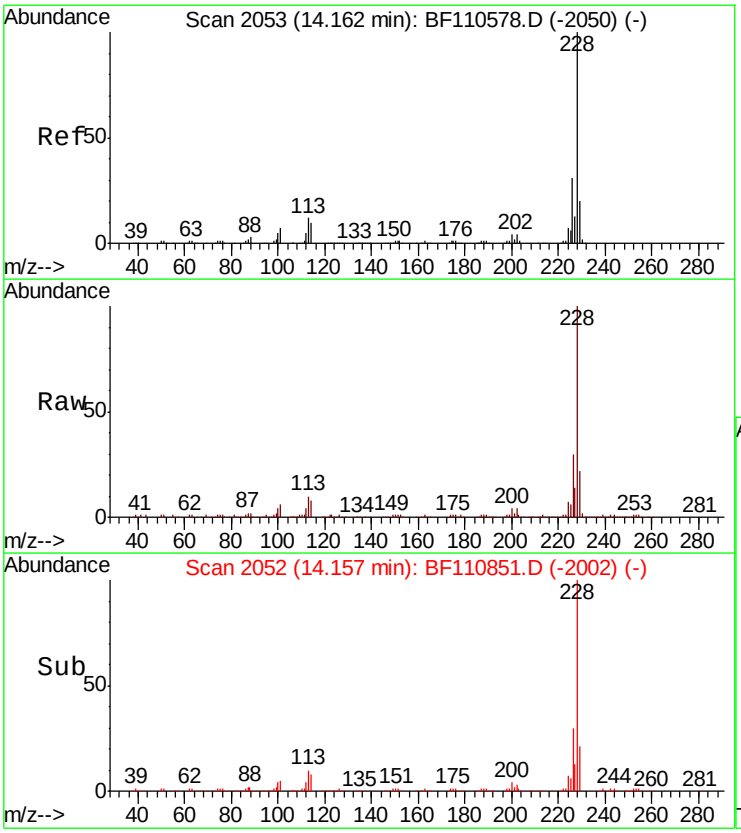
#81
Benzo(a)anthracene
Concen: 30.806 ng
RT: 14.12 min Scan# 2046
Delta R.T. -0.01 min
Lab File: BF110851.D
Acq: 19 Nov 2018 14:24

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:228 Resp: 274114

Ion	Ratio	Lower	Upper
228	100		
226	31.4	22.1	33.1
229	19.9	15.6	23.4

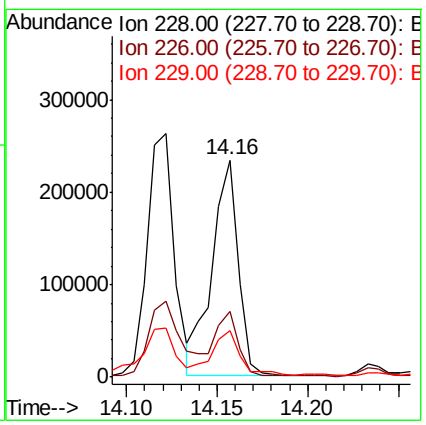


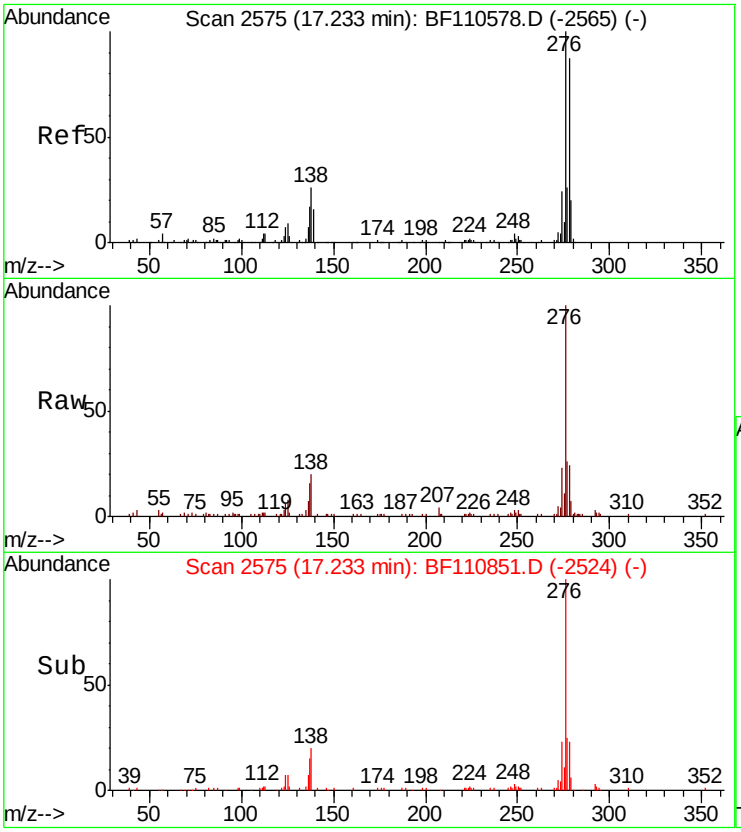


#83
Chrysene
Concen: 27.805 ng
RT: 14.16 min Scan# 2052
Delta R.T. -0.01 min
Lab File: BF110851.D
Acq: 19 Nov 2018 14:24

Tgt Ion:228 Resp: 235709

Ion	Ratio	Lower	Upper
228	100		
226	30.3	24.7	37.1
229	21.6	15.9	23.9



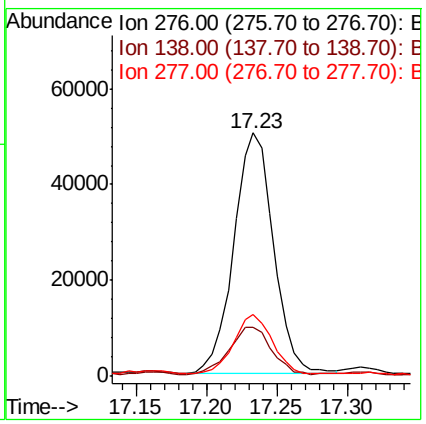


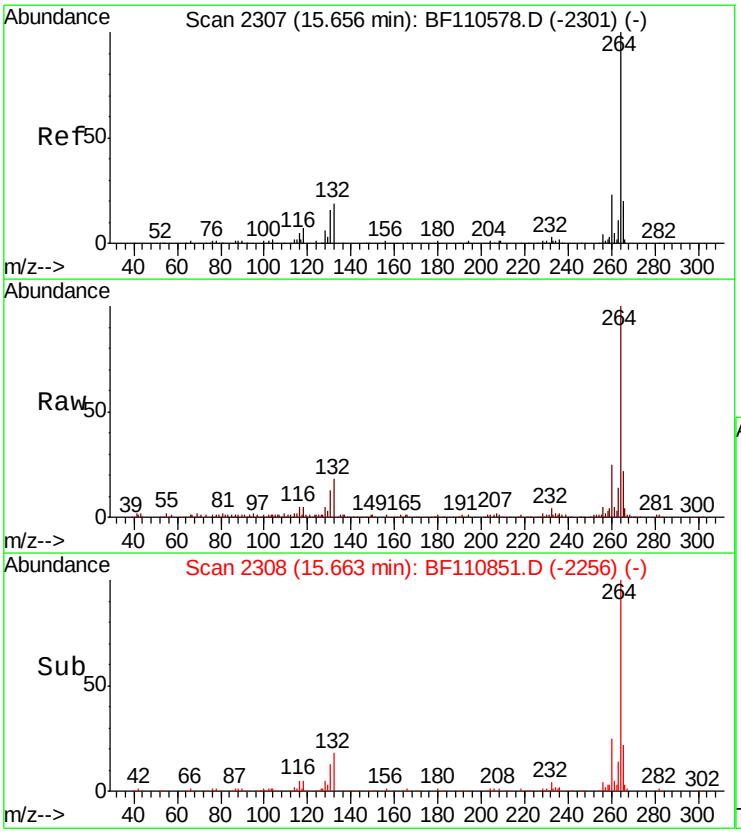
#86
Indeno(1,2,3-cd)pyrene
Concen: 16.290 ng
RT: 17.23 min Scan# 2575
Delta R.T. 0.00 min
Lab File: BF110851.D
Acq: 19 Nov 2018 14:24

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:276 Resp: 99096

Ion	Ratio	Lower	Upper
276	100		
138	21.3	18.5	27.7
277	23.5	20.0	30.0

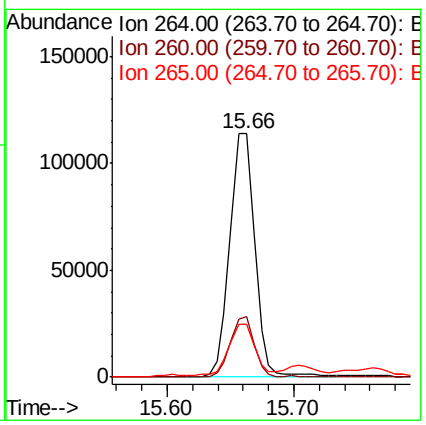


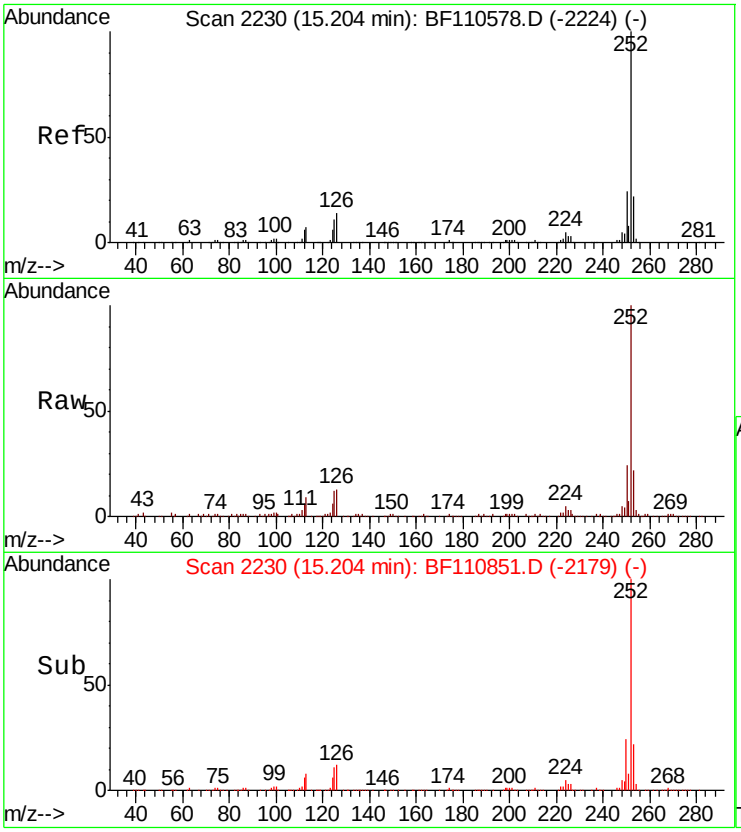


#87
Perylene-d12
Concen: 20.000 ng
RT: 15.66 min Scan# 2308
Delta R.T. 0.01 min
Lab File: BF110851.D
Acq: 19 Nov 2018 14:24

Tgt Ion:264 Resp: 156795

Ion	Ratio	Lower	Upper
264	100		
260	24.8	18.7	28.1
265	21.8	16.7	25.1



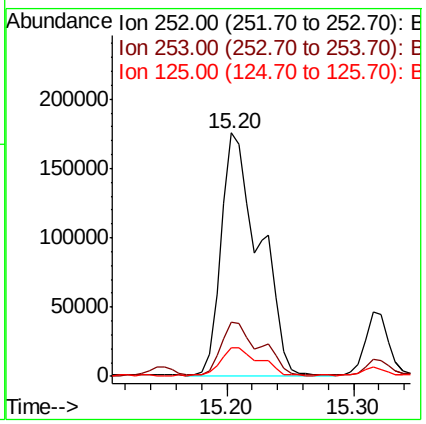


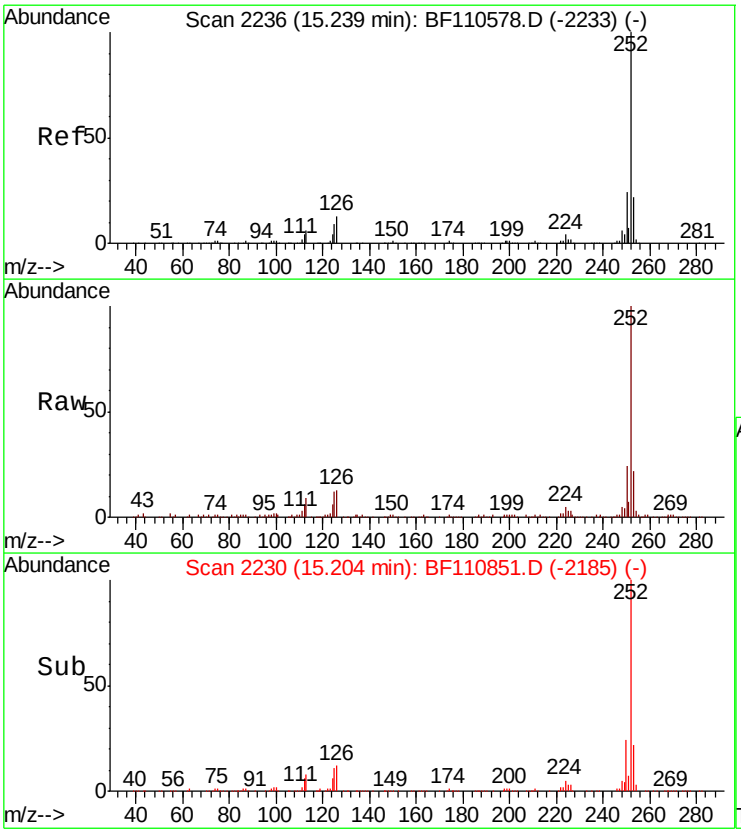
#88
Benzo(b)fluoranthene
Concen: 38.926 ng
RT: 15.20 min Scan# 2230
Delta R.T. 0.00 min
Lab File: BF110851.D
Acq: 19 Nov 2018 14:24

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:252 Resp: 365123

Ion	Ratio	Lower	Upper
252	100		
253	22.3	17.2	25.8
125	11.7	8.2	12.4

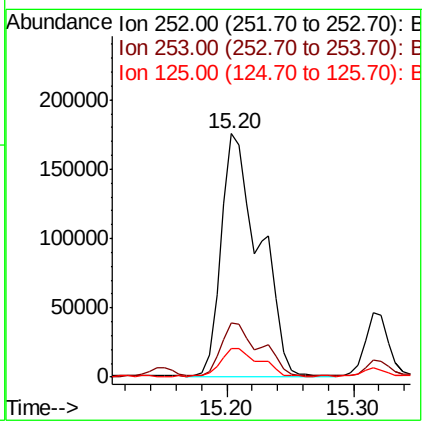


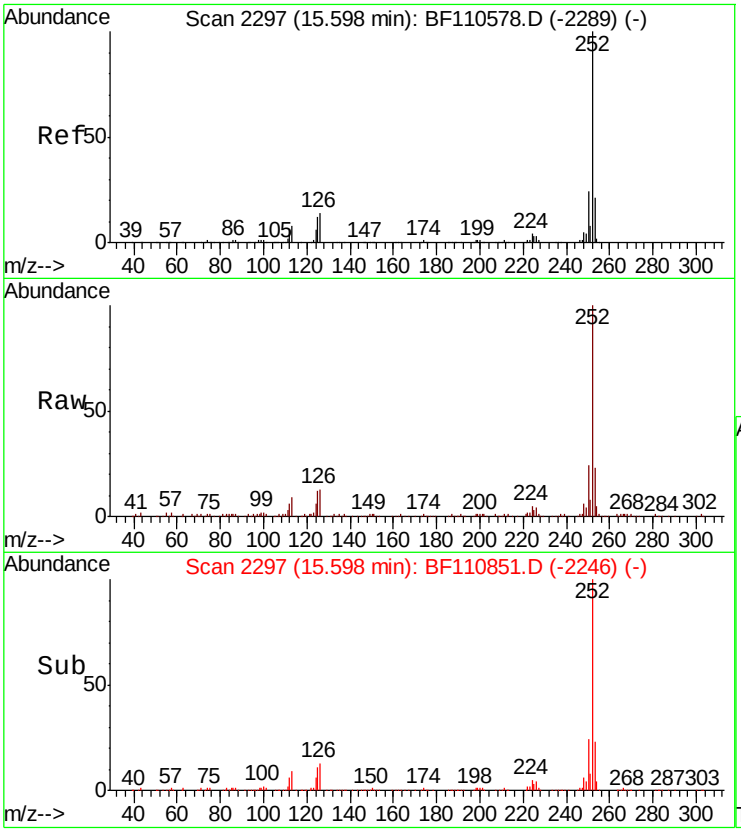


#89
Benzo(k)fluoranthene
Concen: 39.394 ng
RT: 15.20 min Scan# 2230
Delta R.T. -0.04 min
Lab File: BF110851.D
Acq: 19 Nov 2018 14:24

Tgt Ion:252 Resp: 365123

Ion	Ratio	Lower	Upper
252	100		
253	22.3	17.2	25.8
125	11.7	7.4	11.0#



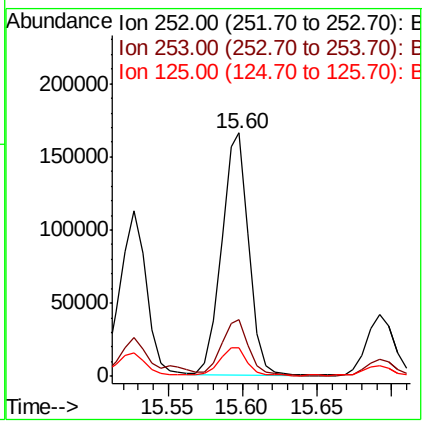


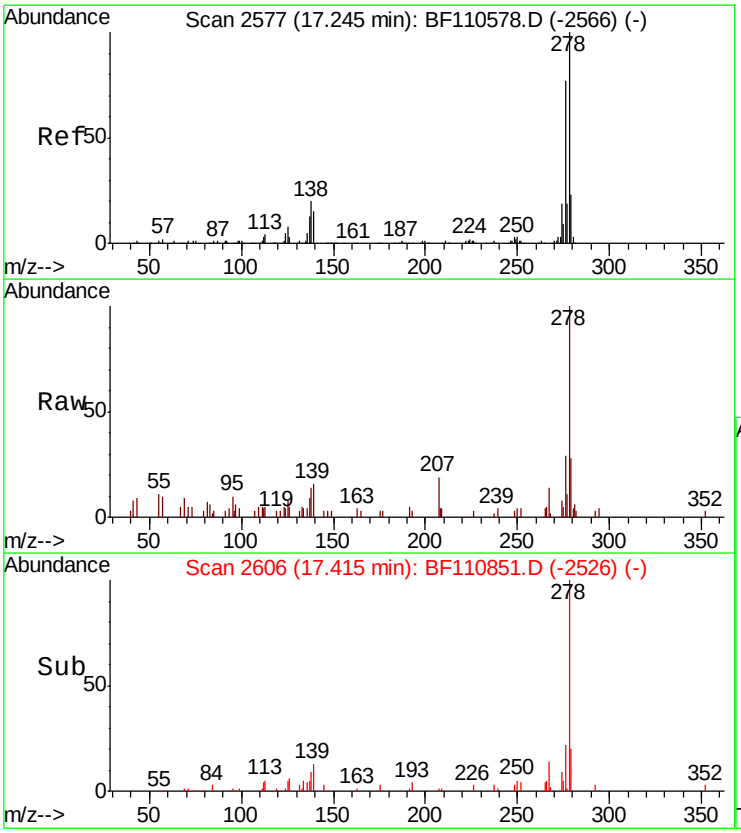
#90
Benzo(a)pyrene
Concen: 24.867 ng
RT: 15.60 min Scan# 2297
Delta R.T. 0.00 min
Lab File: BF110851.D
Acq: 19 Nov 2018 14:24

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:252 Resp: 211927

Ion	Ratio	Lower	Upper
252	100		
253	23.3	18.2	27.4
125	11.7	9.0	13.6

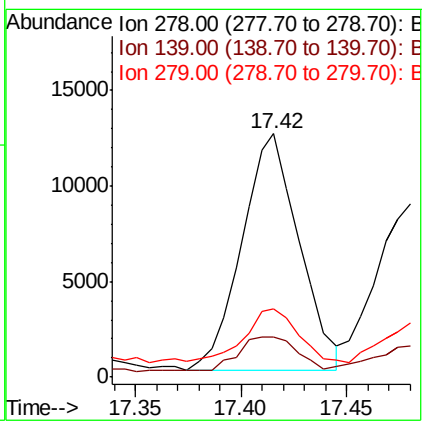


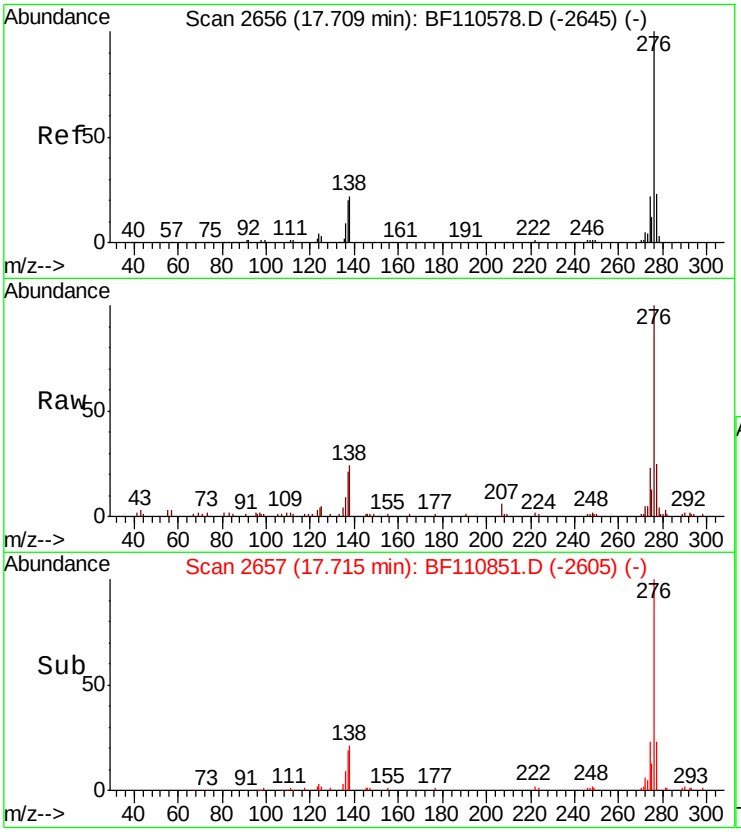


#91
Dibenzo(a,h)anthracene
Concen: 3.225 ng
RT: 17.42 min Scan# 2606
Delta R.T. 0.17 min
Lab File: BF110851.D
Acq: 19 Nov 2018 14:24

Tgt Ion:278 Resp: 23262

Ion	Ratio	Lower	Upper
278	100		
139	16.4	12.7	19.1
279	28.2	19.0	28.4





#92
Benzo(g,h,i)perylene
Concen: 12.048 ng
RT: 17.72 min Scan# 2657
Delta R.T. 0.01 min
Lab File: BF110851.D
Acq: 19 Nov 2018 14:24

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:276 Resp: 86209

Ion	Ratio	Lower	Upper
276	100		
277	25.2	18.8	28.2
138	24.1	16.0	24.0#