Quantitation Report (Not Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF112118\
Data File : BF110940.D
Acq On : 21 Nov 2018 20:44
Operator : JU/SJ
Sample : J5765-03DL 20X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : NB-08-112018DL

Quant Time: Nov 21 22:09:51 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	6.95	152	51665	20.00	ng		0.00
21) Naphthalene-d8	8.23	136	209701	20.00	ng		0.00
39) Acenaphthene-d10	9.99	164	83893	20.00	ng		0.00
64) Phenanthrene-d10	11.48	188	148921	20.00	ng		0.00
76) Chrysene-d12	14.14	240	123985	20.00	ng		0.00
87) Perylene-d12	15.67	264	89797	20.00	ng		0.02
System Monitoring Compounds							
5) 2-Fluorophenol	5.60	112	9325	2.93	ng		0.04
7) Phenol-d6	6.61	99	13122	3.23	ng		0.04
23) Nitrobenzene-d5	7.54	82	7884	2.17	ng		0.02
42) 2,4,6-Tribromophenol	10.79	330	2369	2.80	ng		0.00
45) 2-Fluorobiphenyl	9.30	172	15474	2.63	ng		0.00
79) Terphenyl-d14	13.06	244	15219	2.30	ng		0.00
Target Compounds							Qvalue
31) Naphthalene	8.25	128	46509	4.724	ng		99
37) 2-Methylnaphthalene	8.95	142	16865	2.613	ng		98
38) 1-Methylnaphthalene	8.95	142	16865	2.717	ng		98
49) Acenaphthylene	9.85	152	17405	2.144	ng		97
51) 2,6-Dinitrotoluene	9.99	165	11170	8.112	ng	#	21
52) Acenaphthene	10.02	154	24187	4.714	ng		96
55) Dibenzofuran	10.20	168	44150	5.881	ng		97
56) 4-Nitrophenol	10.19	139	17923	16.934	ng	#	6
58) Fluorene	10.54	166	71736	12.440	ng		99
71) Phenanthrene	11.51	178	411727	51.605	ng		99
72) Anthracene	11.56	178	134054	16.656	ng		98
73) Carbazole	11.72	167	28136	3.640	ng		97
75) Fluoranthene	12.70	202	530449	66.315	ng		99
78) Pyrene	12.94	202	448073	46.936	ng		98
81) Benzo(a)anthracene	14.13	228	218813	29.527	ng		99
83) Chrysene	14.16	228	175088	24.799	ng		99
86) Indeno(1,2,3-cd)pyrene	17.26	276	61572	12.153	ng		97
88) Benzo(b)fluoranthene	15.22	252	228364	42.510	ng		99
89) Benzo(k)fluoranthene	15.22	252	228491	43.046	ng		98
90) Benzo(a)pyrene	15.61	252	118608	24.301	ng		99
91) Dibenzo(a,h)anthracene	17.26	278	16069	3.890	ng	#	75
92) Benzo(g,h,i)perylene	17.75	276	57763	14.095	ng		93

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

Quantitation Report (Not Reviewed)

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Acq On : 21 Nov 2018 20:44
Operator : JU/SJ
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Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
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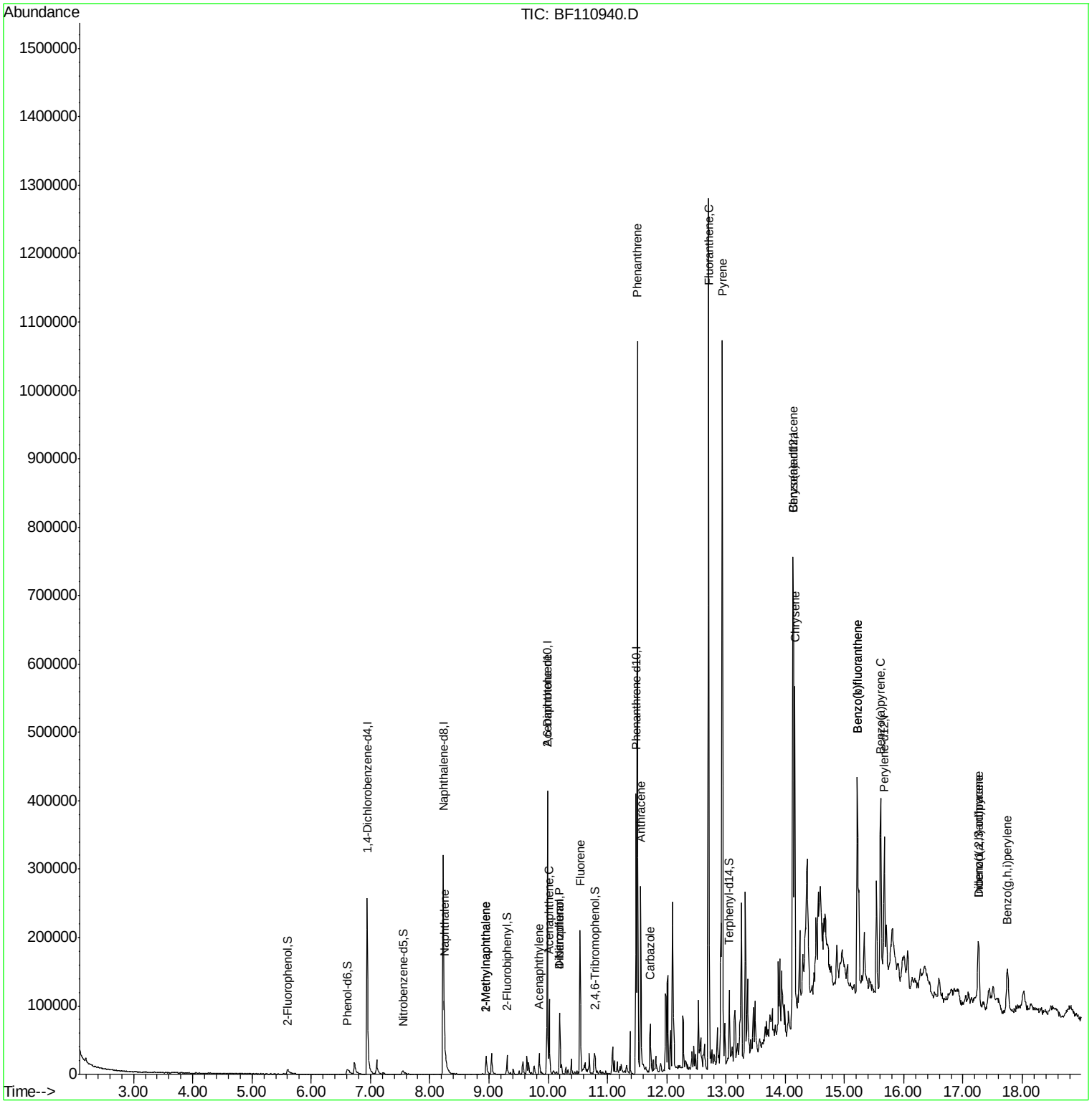
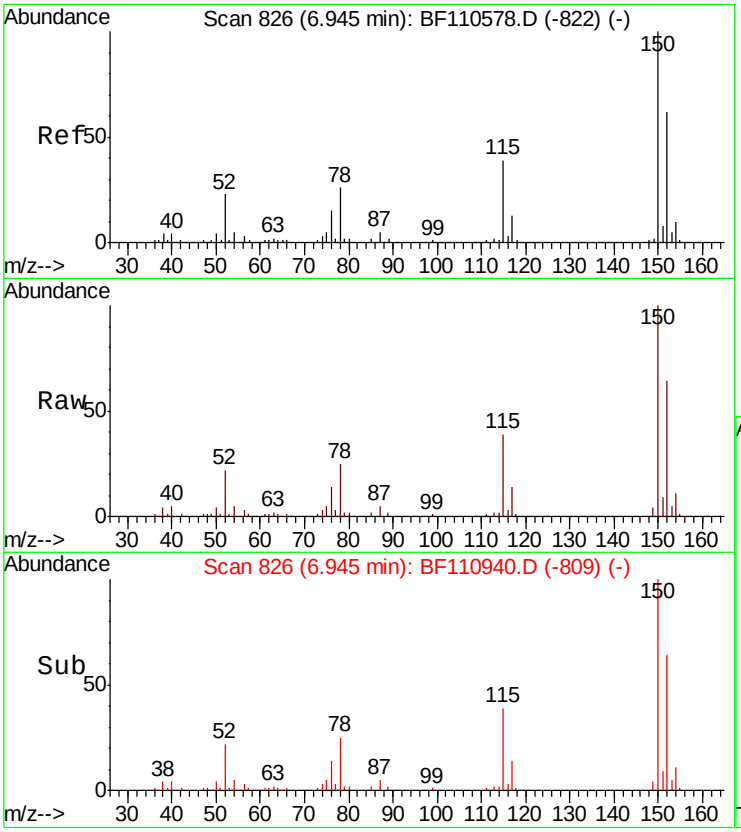
ClientSampleId :
NB-08-112018DL

Quant Time: Nov 21 22:09:51 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF110818.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Nov 13 12:43:10 2018
Response via : Initial Calibration



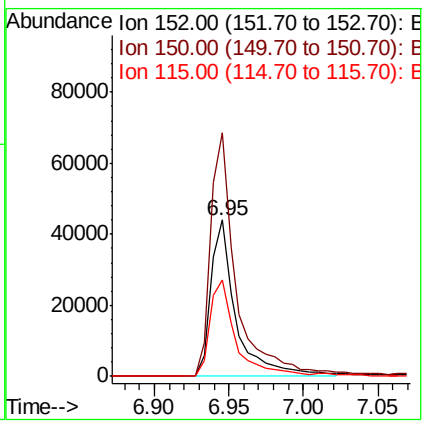


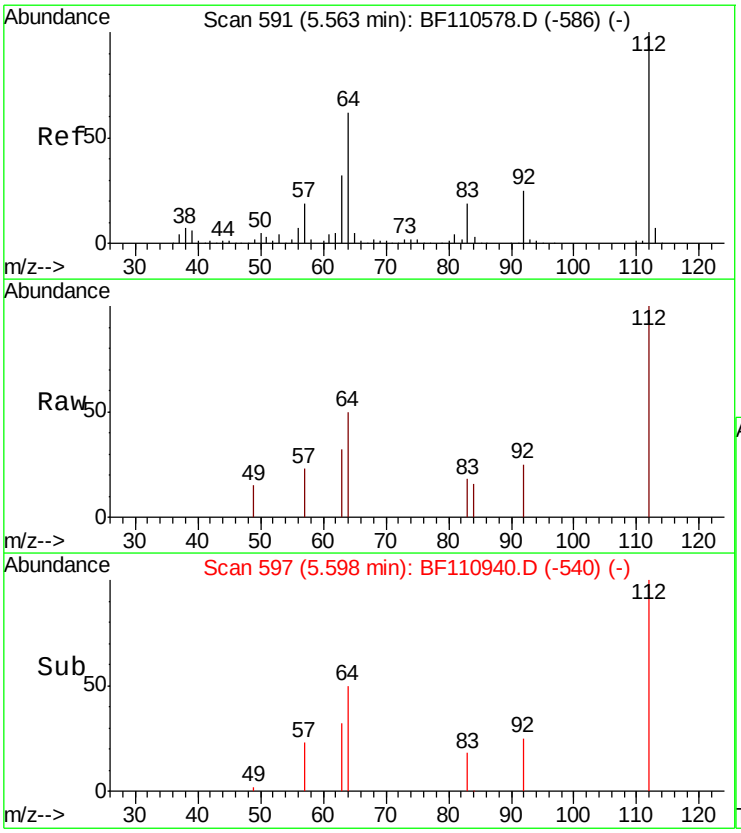
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.95 min Scan# 826
Delta R.T. 0.00 min
Lab File: BF110940.D
Acq: 21 Nov 2018 20:44

Instrument :
BNA_F
ClientSampleId :
NB-08-112018DL

Tgt Ion:152 Resp: 51665

Ion	Ratio	Lower	Upper
152	100		
150	155.9	122.7	184.1
115	61.6	49.1	73.7

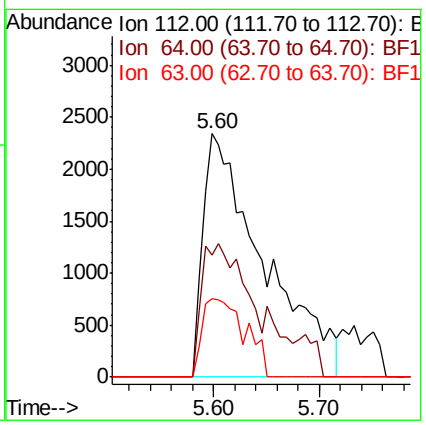


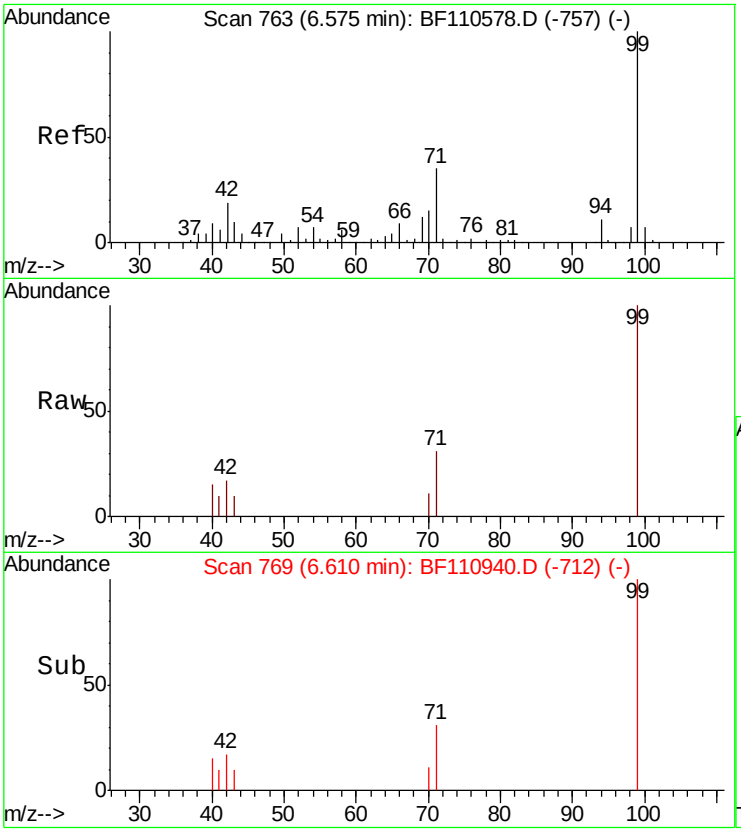


#5
2-Fluorophenol
Concen: 2.932 ng
RT: 5.60 min Scan# 597
Delta R.T. 0.04 min
Lab File: BF110940.D
Acq: 21 Nov 2018 20:44

Tgt Ion:112 Resp: 9325

Ion	Ratio	Lower	Upper
112	100		
64	50.3	44.1	66.1
63	32.2	23.7	35.5



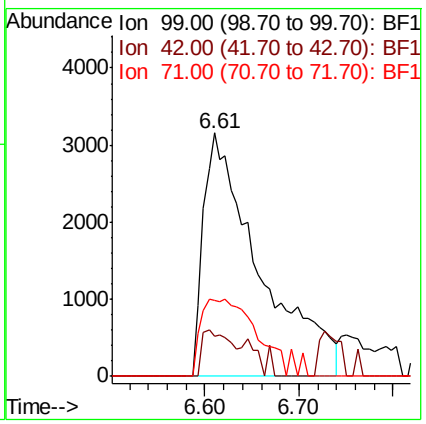


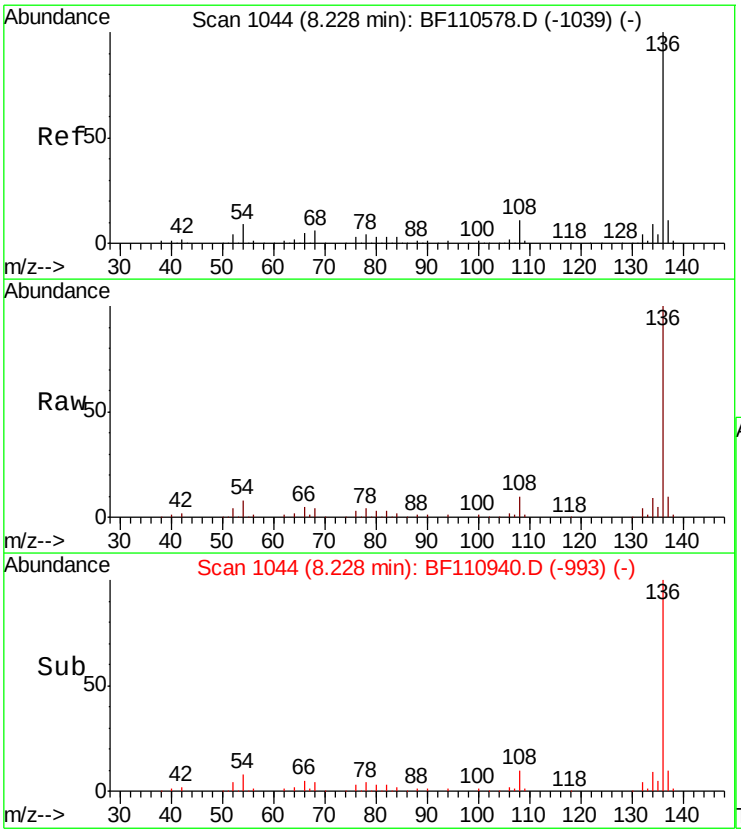
#7
Phenol-d6
Concen: 3.226 ng
RT: 6.61 min Scan# 769
Delta R.T. 0.04 min
Lab File: BF110940.D
Acq: 21 Nov 2018 20:44

Instrument :
BNA_F
ClientSampleId :
NB-08-112018DL

Tgt Ion: 99 Resp: 13122

Ion	Ratio	Lower	Upper
99	100		
42	16.6	15.8	23.6
71	31.2	28.0	42.0

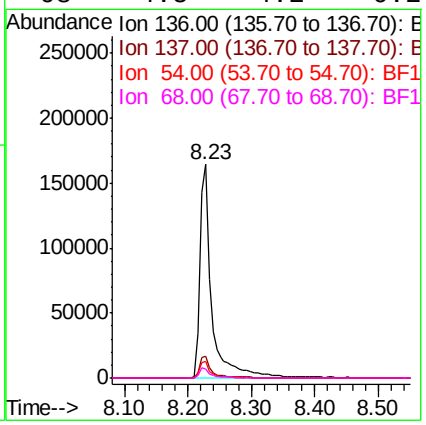


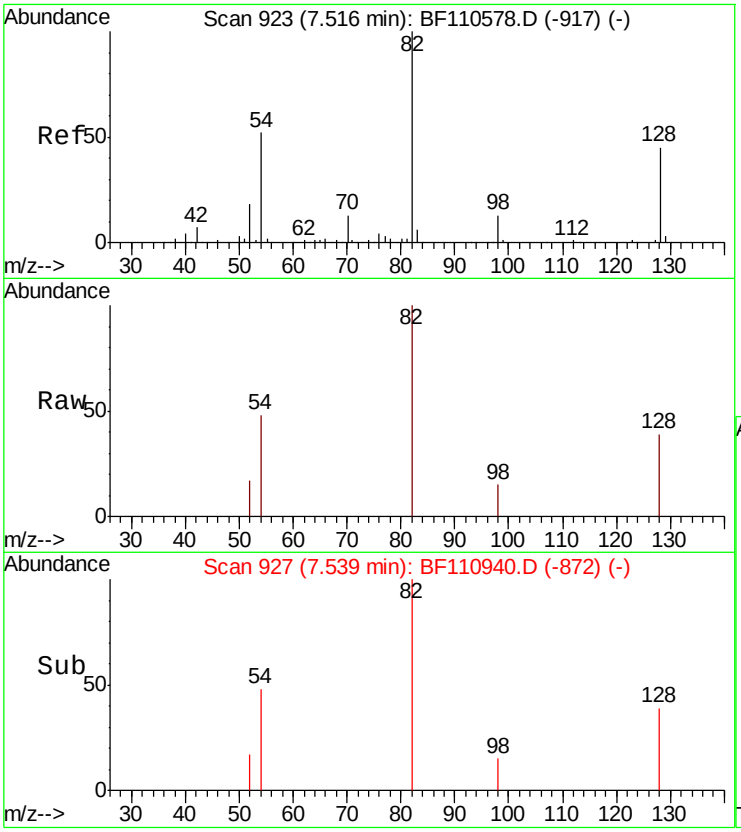


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.23 min Scan# 1044
Delta R.T. 0.00 min
Lab File: BF110940.D
Acq: 21 Nov 2018 20:44

Tgt Ion:136 Resp: 209701

Ion	Ratio	Lower	Upper
136	100		
137	10.0	8.8	13.2
54	7.5	5.4	8.2
68	4.5	4.2	6.2



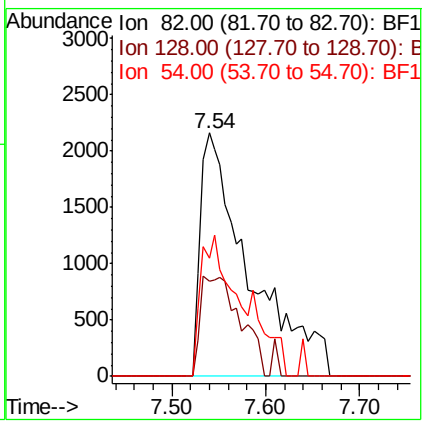


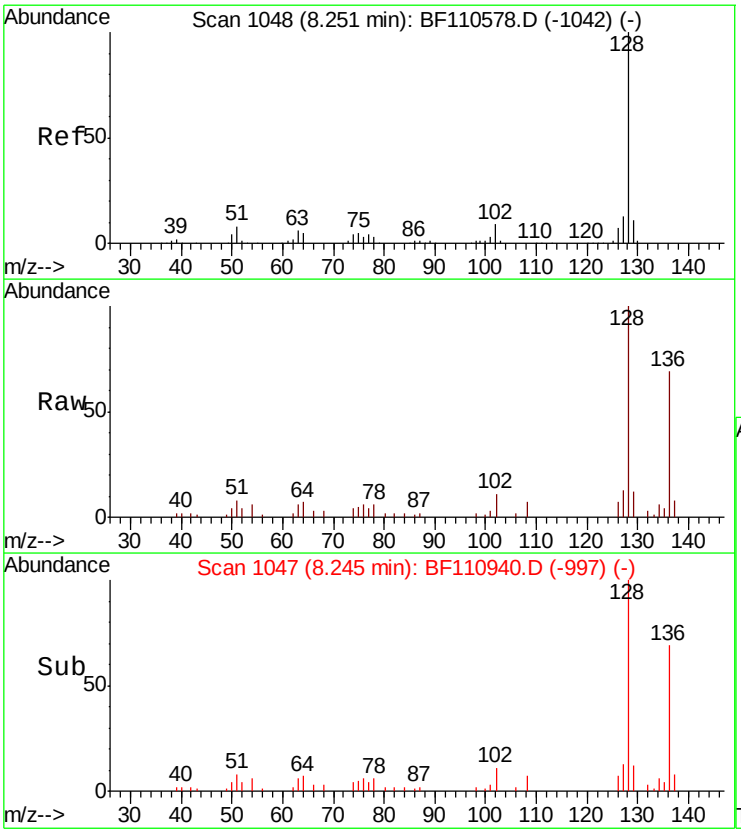
#23
Nitrobenzene-d5
Concen: 2.165 ng
RT: 7.54 min Scan# 927
Delta R.T. 0.02 min
Lab File: BF110940.D
Acq: 21 Nov 2018 20:44

Instrument :
BNA_F
ClientSampleId :
NB-08-112018DL

Tgt Ion: 82 Resp: 7884

Ion	Ratio	Lower	Upper
82	100		
128	39.3	34.2	51.2
54	48.3	38.6	58.0

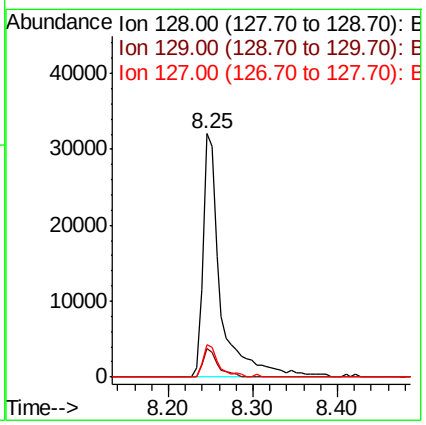


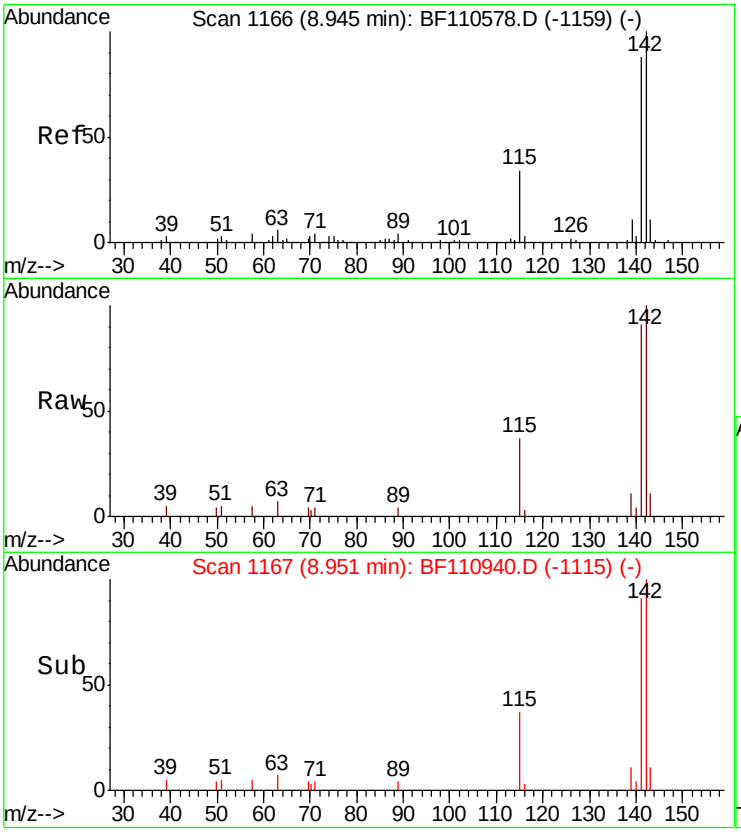


#31
Naphthalene
Concen: 4.724 ng
RT: 8.25 min Scan# 1047
Delta R.T. -0.01 min
Lab File: BF110940.D
Acq: 21 Nov 2018 20:44

Tgt Ion:128 Resp: 46509

Ion	Ratio	Lower	Upper
128	100		
129	11.6	8.8	13.2
127	13.3	10.8	16.2



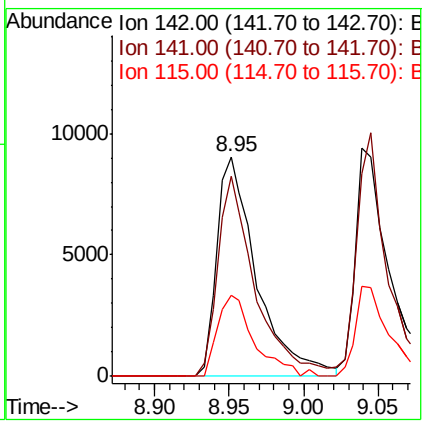


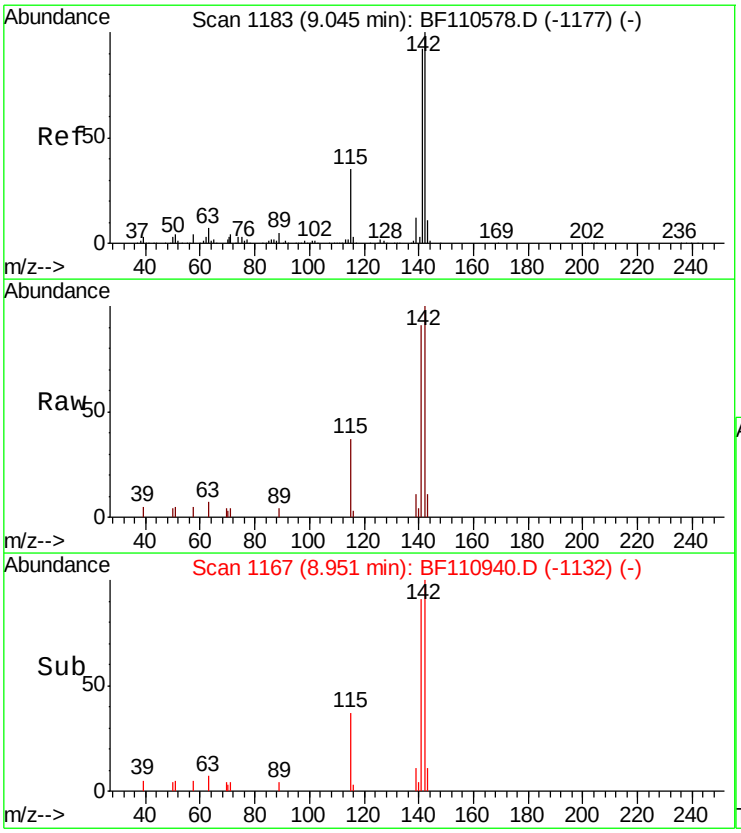
#37
2-Methylnaphthalene
Concen: 2.613 ng
RT: 8.95 min Scan# 1167
Delta R.T. 0.01 min
Lab File: BF110940.D
Acq: 21 Nov 2018 20:44

Instrument :
BNA_F
ClientSampleId :
NB-08-112018DL

Tgt Ion:142 Resp: 16865

Ion	Ratio	Lower	Upper
142	100		
141	91.0	71.4	107.2
115	36.9	28.7	43.1

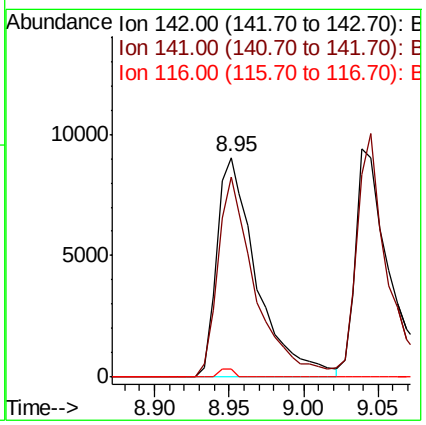


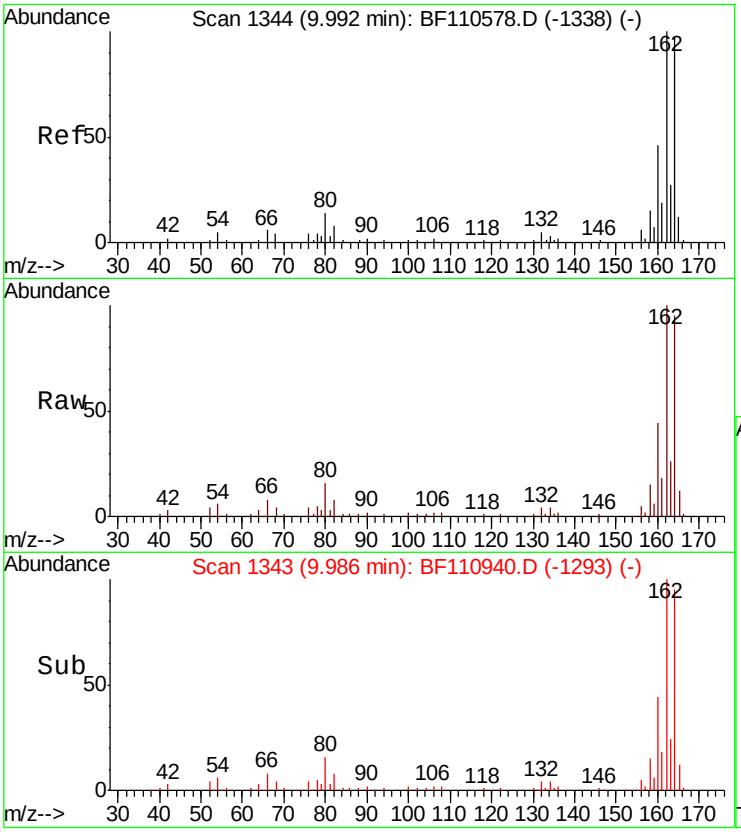


#38
1-Methylnaphthalene
Concen: 2.717 ng
RT: 8.95 min Scan# 1167
Delta R.T. -0.09 min
Lab File: BF110940.D
Acq: 21 Nov 2018 20:44

Tgt Ion:142 Resp: 16865

Ion	Ratio	Lower	Upper
142	100		
141	91.0	74.2	111.4
116	3.4	2.6	4.0



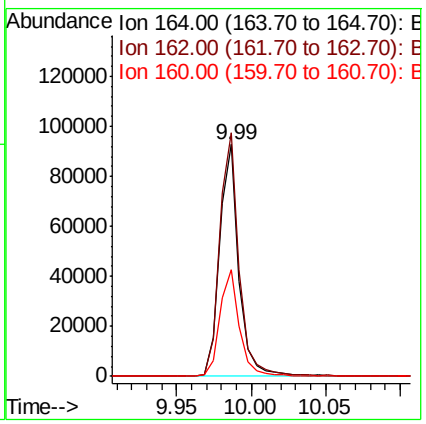


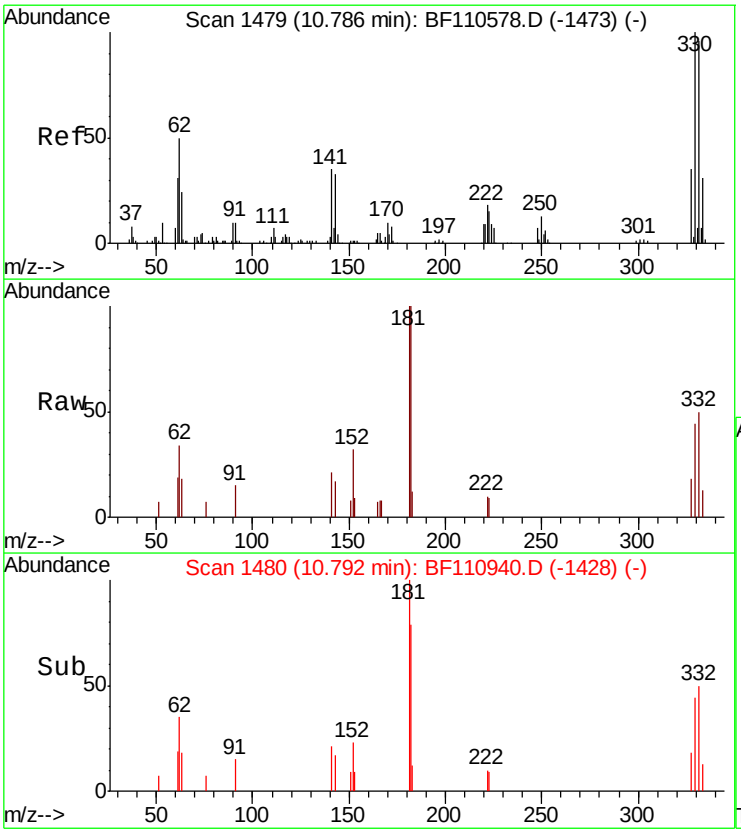
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.99 min Scan# 1343
Delta R.T. -0.01 min
Lab File: BF110940.D
Acq: 21 Nov 2018 20:44

Instrument :
BNA_F
ClientSampleId :
NB-08-112018DL

Tgt Ion:164 Resp: 83893

Ion	Ratio	Lower	Upper
164	100		
162	105.0	83.0	124.6
160	46.1	37.0	55.6

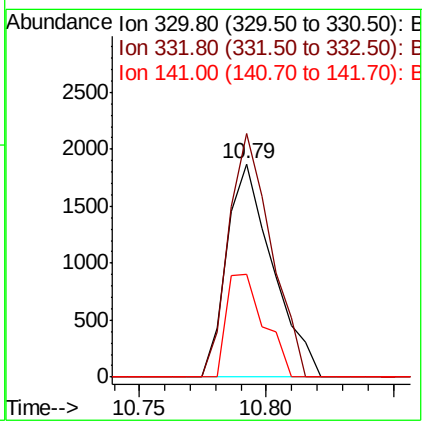


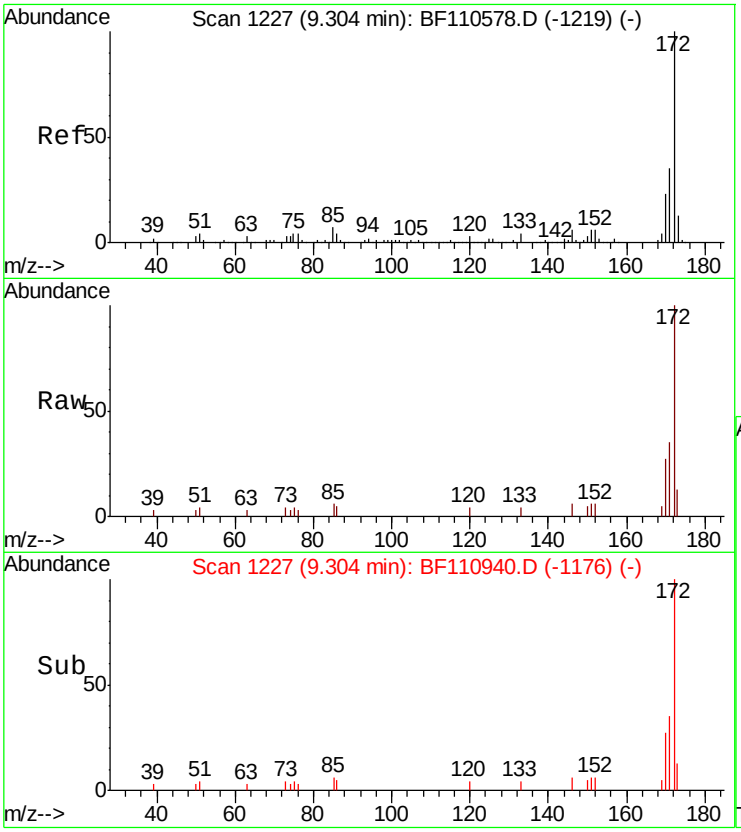


#42
2,4,6-Tribromophenol
Concen: 2.802 ng
RT: 10.79 min Scan# 1480
Delta R.T. 0.01 min
Lab File: BF110940.D
Acq: 21 Nov 2018 20:44

Tgt Ion:330 Resp: 2369

Ion	Ratio	Lower	Upper
330	100		
332	105.1	77.1	115.7
141	39.3	27.0	40.4



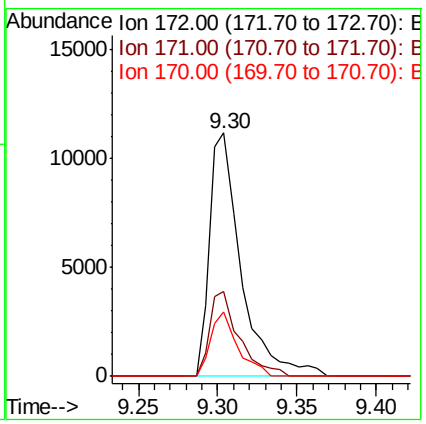


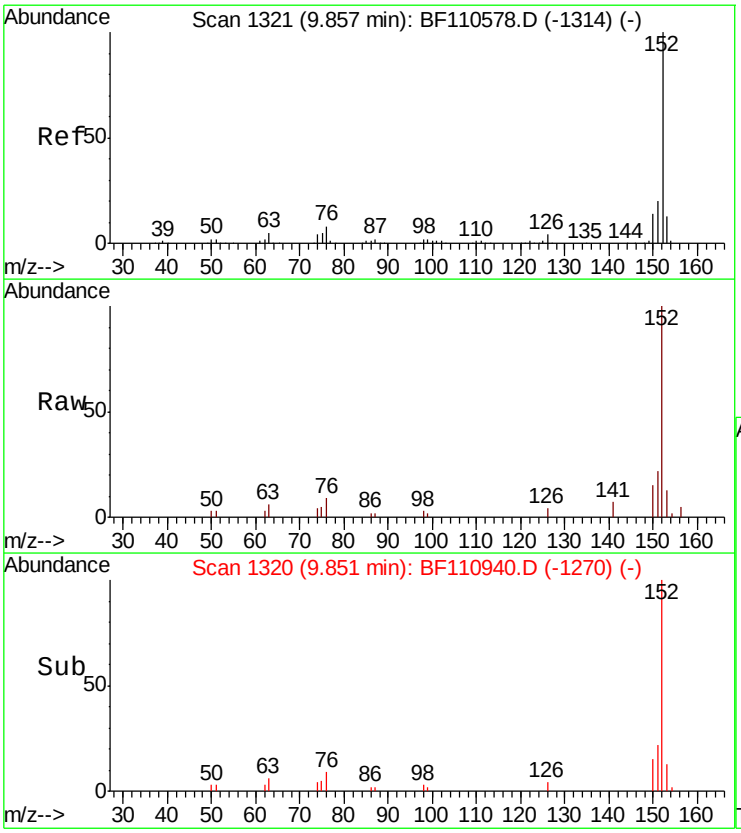
#45
2-Fluorobiphenyl
Concen: 2.634 ng
RT: 9.30 min Scan# 1227
Delta R.T. 0.00 min
Lab File: BF110940.D
Acq: 21 Nov 2018 20:44

Instrument :
BNA_F
ClientSampleId :
NB-08-112018DL

Tgt Ion:172 Resp: 15474

Ion	Ratio	Lower	Upper
172	100		
171	34.8	28.6	43.0
170	26.7	19.7	29.5

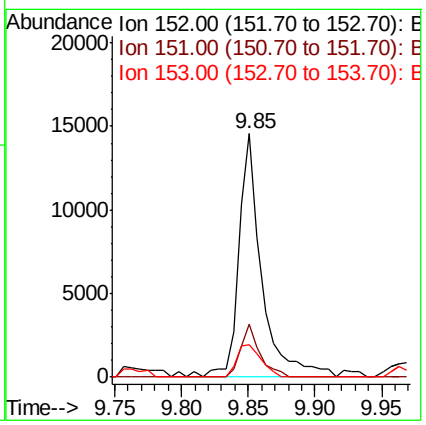


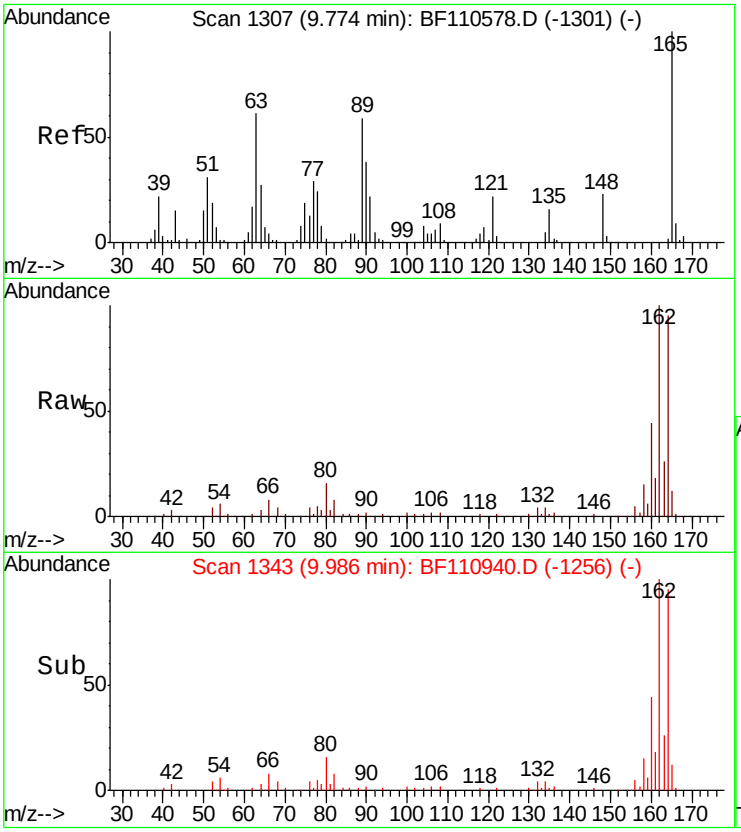


#49
Acenaphthylene
Concen: 2.144 ng
RT: 9.85 min Scan# 1320
Delta R.T. -0.01 min
Lab File: BF110940.D
Acq: 21 Nov 2018 20:44

Tgt Ion:152 Resp: 17405

Ion	Ratio	Lower	Upper
152	100		
151	21.6	15.8	23.8
153	13.2	10.4	15.6



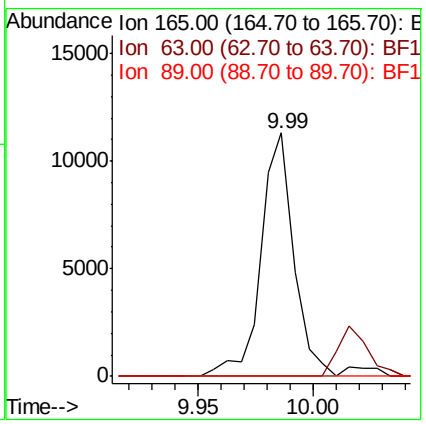


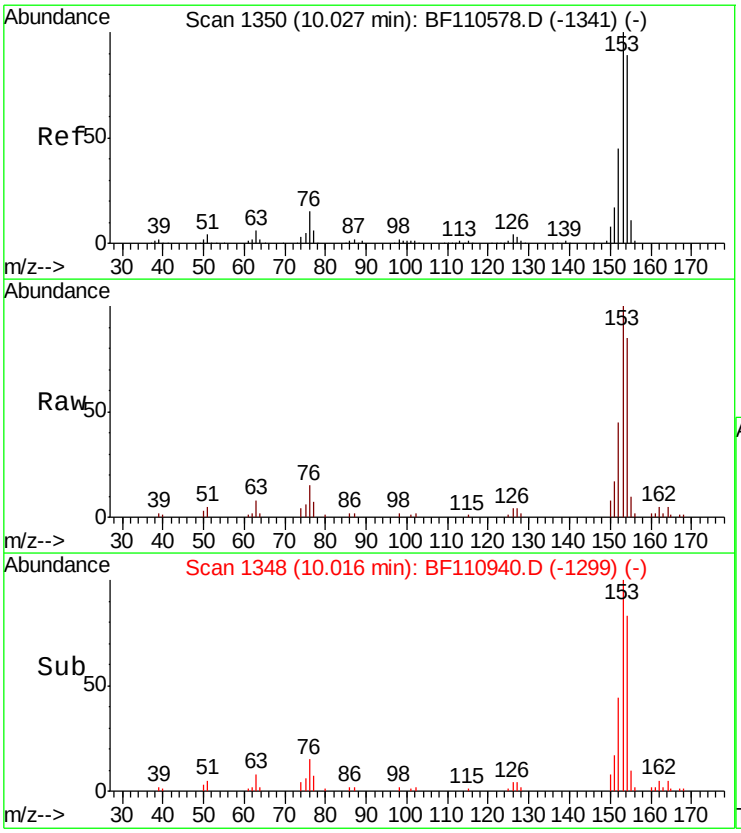
#51
2,6-Dinitrotoluene
Concen: 8.112 ng
RT: 9.99 min Scan# 1343
Delta R.T. 0.21 min
Lab File: BF110940.D
Acq: 21 Nov 2018 20:44

Instrument :
BNA_F
ClientSampleId :
NB-08-112018DL

Tgt Ion:165 Resp: 11170

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

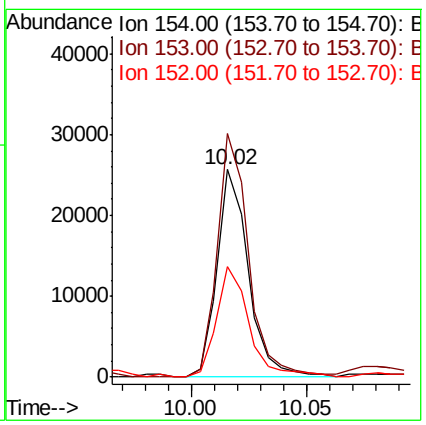


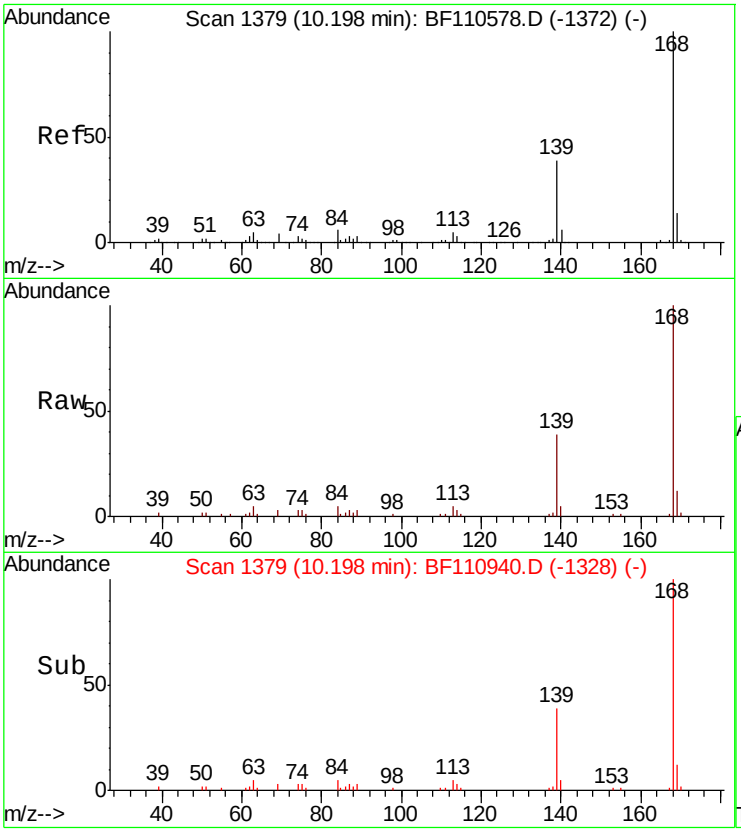


#52
Acenaphthene
Concen: 4.714 ng
RT: 10.02 min Scan# 1348
Delta R.T. -0.01 min
Lab File: BF110940.D
Acq: 21 Nov 2018 20:44

Tgt Ion:154 Resp: 24187

Ion	Ratio	Lower	Upper
154	100		
153	117.5	90.1	135.1
152	53.3	43.4	65.2



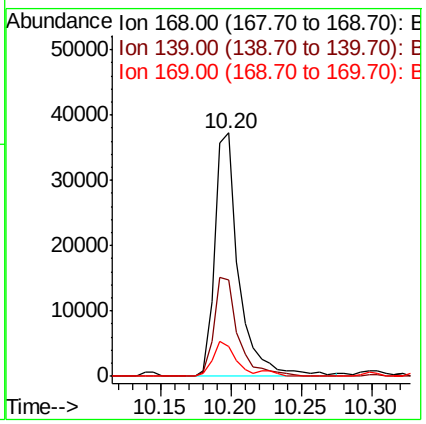


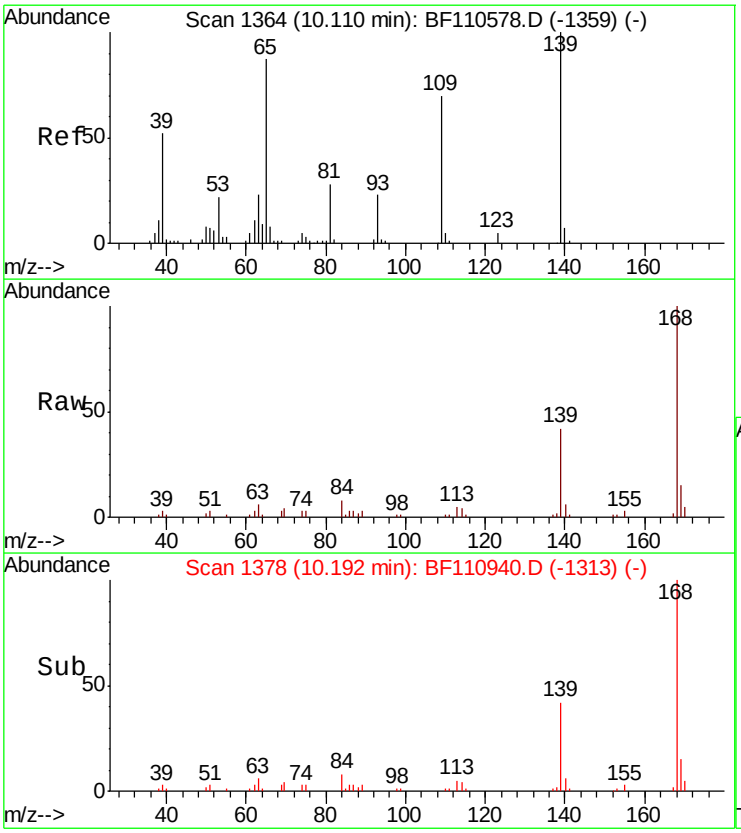
#55
Dibenzofuran
Concen: 5.881 ng
RT: 10.20 min Scan# 1379
Delta R.T. 0.00 min
Lab File: BF110940.D
Acq: 21 Nov 2018 20:44

Instrument :
BNA_F
ClientSampleId :
NB-08-112018DL

Tgt Ion:168 Resp: 44150

Ion	Ratio	Lower	Upper
168	100		
139	39.5	33.0	49.6
169	12.3	11.3	16.9

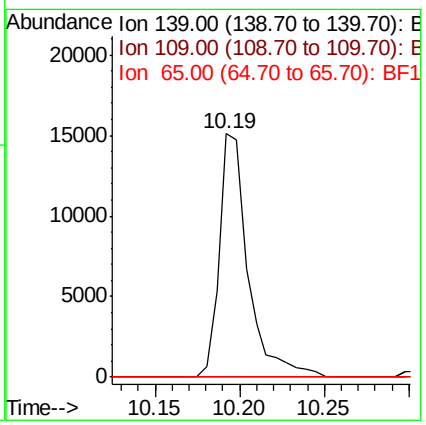


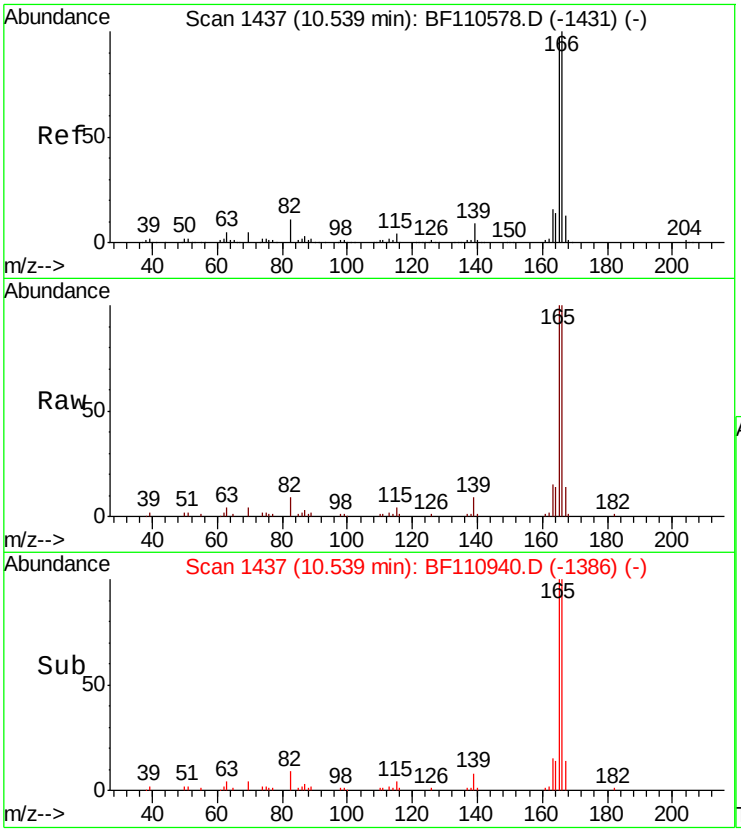


#56
4-Nitrophenol
Concen: 16.934 ng
RT: 10.19 min Scan# 1378
Delta R.T. 0.08 min
Lab File: BF110940.D
Acq: 21 Nov 2018 20:44

Tgt Ion:139 Resp: 17923

Ion	Ratio	Lower	Upper
139	100		
109	0.0	55.8	95.8#
65	0.0	77.9	117.9#



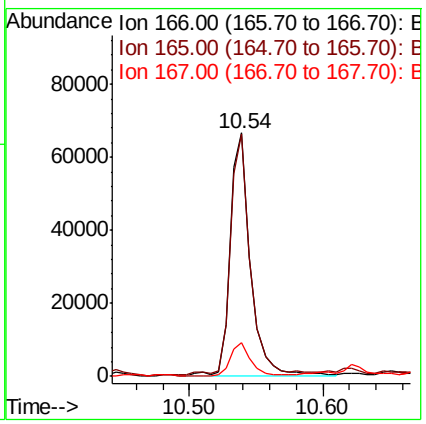


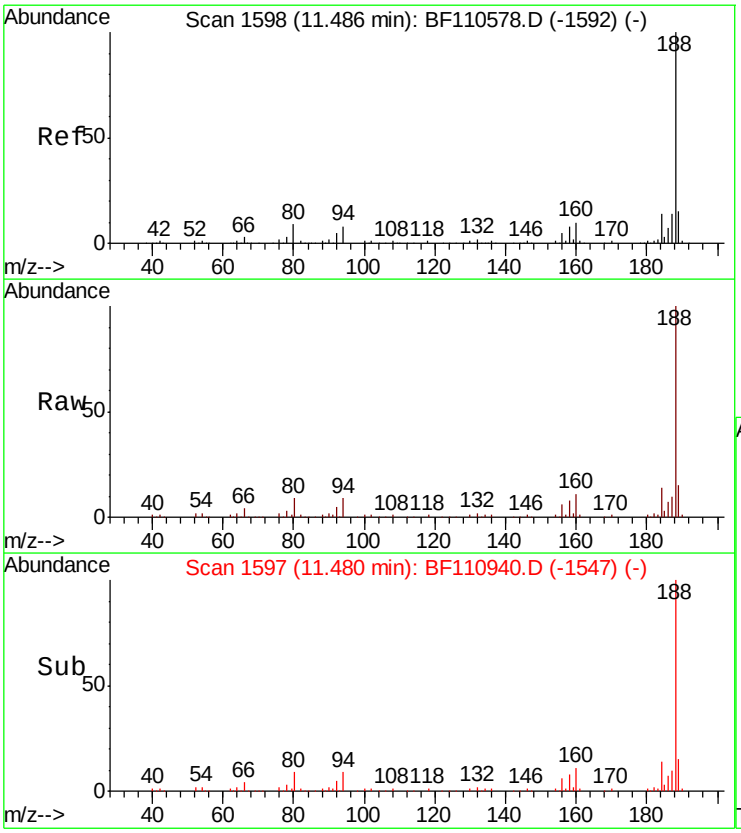
#58
Fluorene
Concen: 12.440 ng
RT: 10.54 min Scan# 1437
Delta R.T. 0.00 min
Lab File: BF110940.D
Acq: 21 Nov 2018 20:44

Instrument :
BNA_F
ClientSampleId :
NB-08-112018DL

Tgt Ion:166 Resp: 71736

Ion	Ratio	Lower	Upper
166	100		
165	99.5	78.6	117.8
167	14.1	10.8	16.2

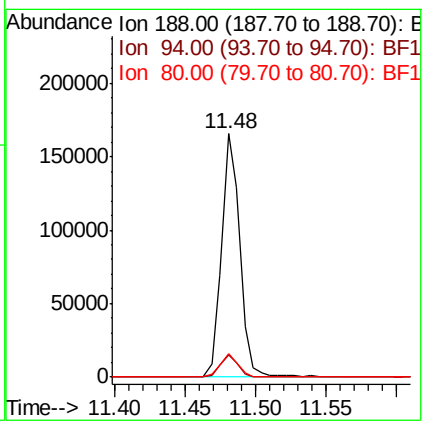


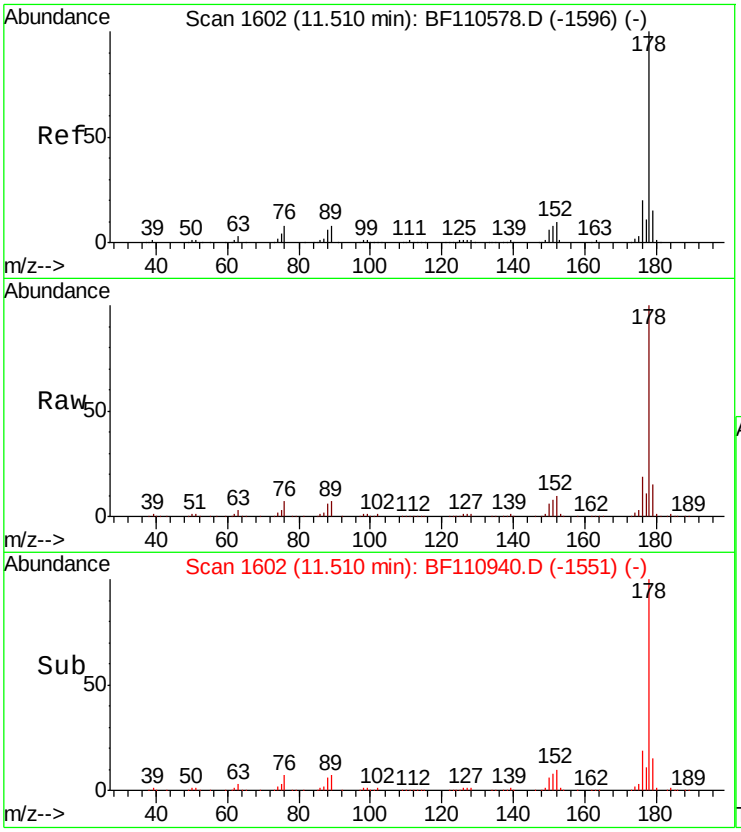


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.48 min Scan# 1597
Delta R.T. -0.01 min
Lab File: BF110940.D
Acq: 21 Nov 2018 20:44

Tgt Ion:188 Resp: 148921

Ion	Ratio	Lower	Upper
188	100		
94	8.9	7.2	10.8
80	9.5	7.9	11.9



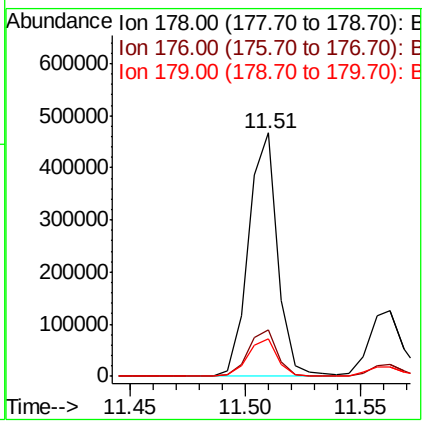


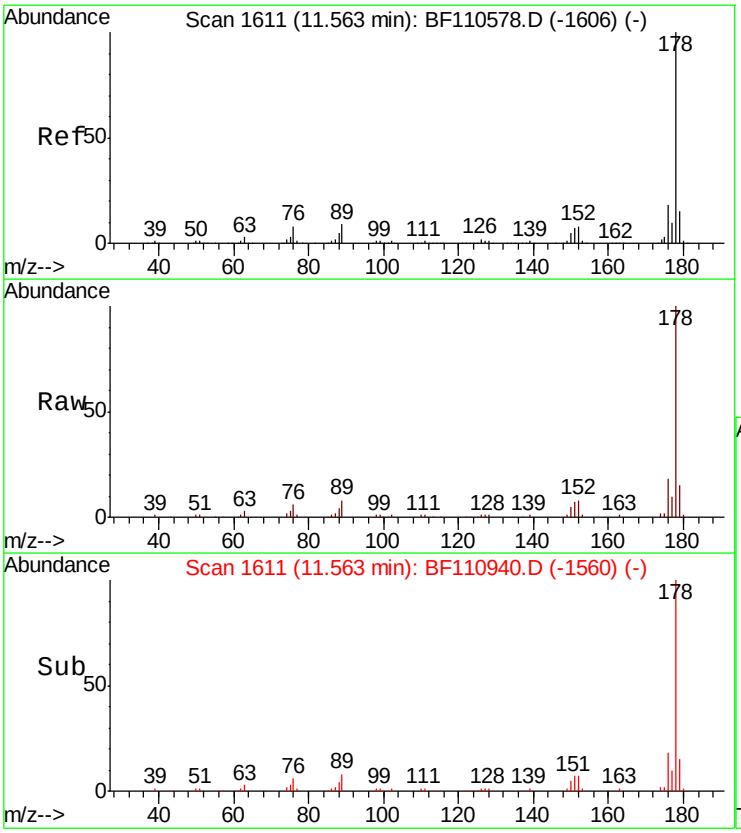
#71
Phenanthrene
Concen: 51.605 ng
RT: 11.51 min Scan# 1602
Delta R.T. 0.00 min
Lab File: BF110940.D
Acq: 21 Nov 2018 20:44

Instrument :
BNA_F
ClientSampleId :
NB-08-112018DL

Tgt Ion:178 Resp: 411727

Ion	Ratio	Lower	Upper
178	100		
176	18.9	15.5	23.3
179	15.3	12.5	18.7

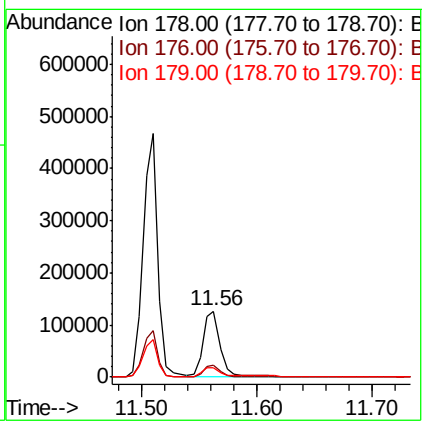


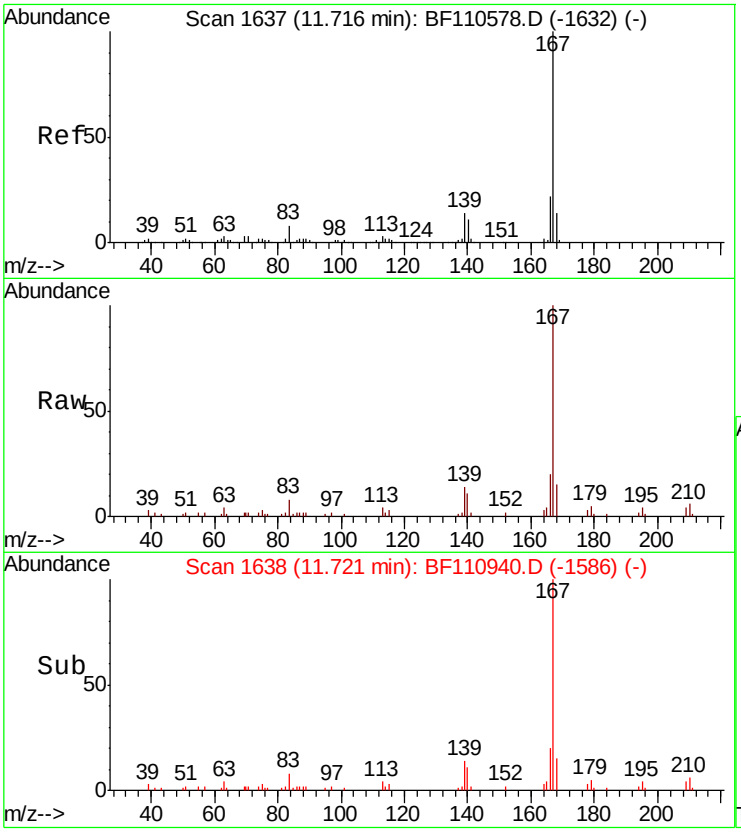


#72
Anthracene
Concen: 16.656 ng
RT: 11.56 min Scan# 1611
Delta R.T. 0.00 min
Lab File: BF110940.D
Acq: 21 Nov 2018 20:44

Tgt Ion:178 Resp: 134054

Ion	Ratio	Lower	Upper
178	100		
176	17.9	15.4	23.2
179	15.0	12.6	18.8



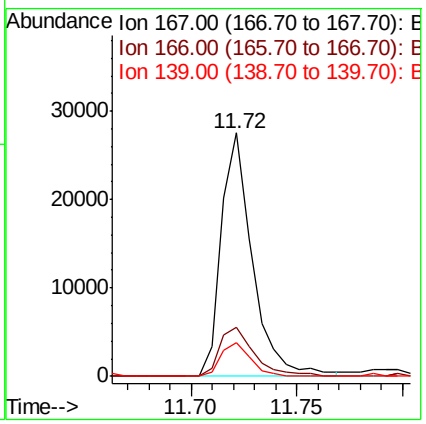


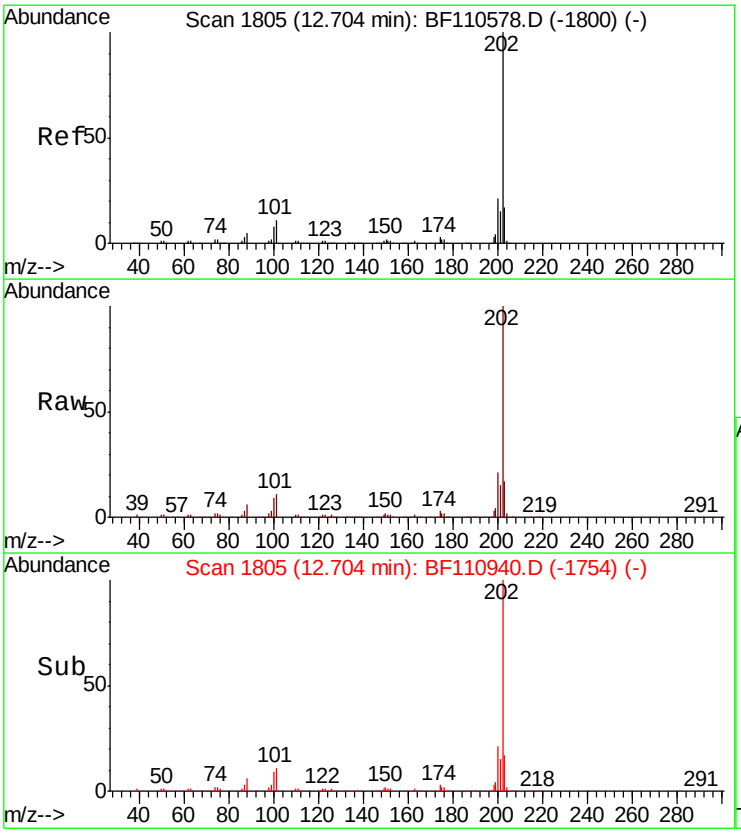
#73
Carbazole
Concen: 3.640 ng
RT: 11.72 min Scan# 1638
Delta R.T. 0.01 min
Lab File: BF110940.D
Acq: 21 Nov 2018 20:44

Instrument :
BNA_F
ClientSampleId :
NB-08-112018DL

Tgt Ion:167 Resp: 28136

Ion	Ratio	Lower	Upper
167	100		
166	19.9	17.4	26.0
139	14.0	10.9	16.3

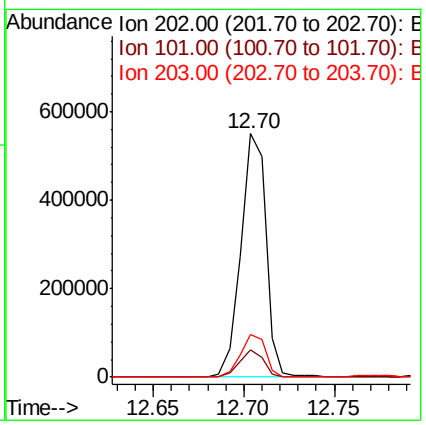


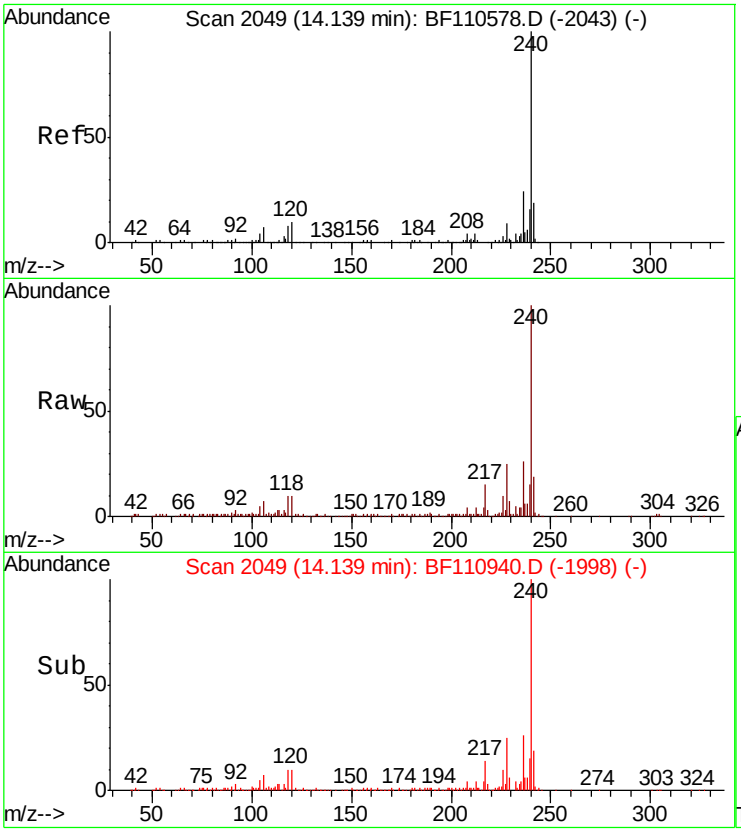


#75
Fluoranthene
Concen: 66.315 ng
RT: 12.70 min Scan# 1805
Delta R.T. 0.00 min
Lab File: BF110940.D
Acq: 21 Nov 2018 20:44

Tgt Ion:202 Resp: 530449

Ion	Ratio	Lower	Upper
202	100		
101	11.2	0.0	31.4
203	17.4	0.0	37.7



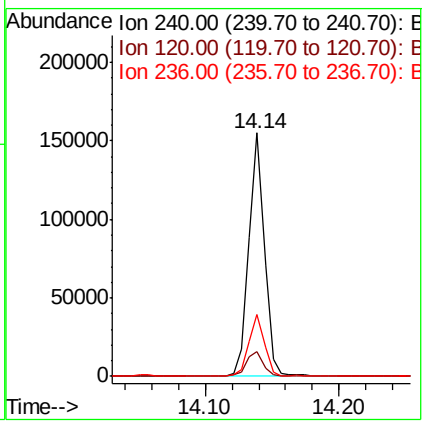


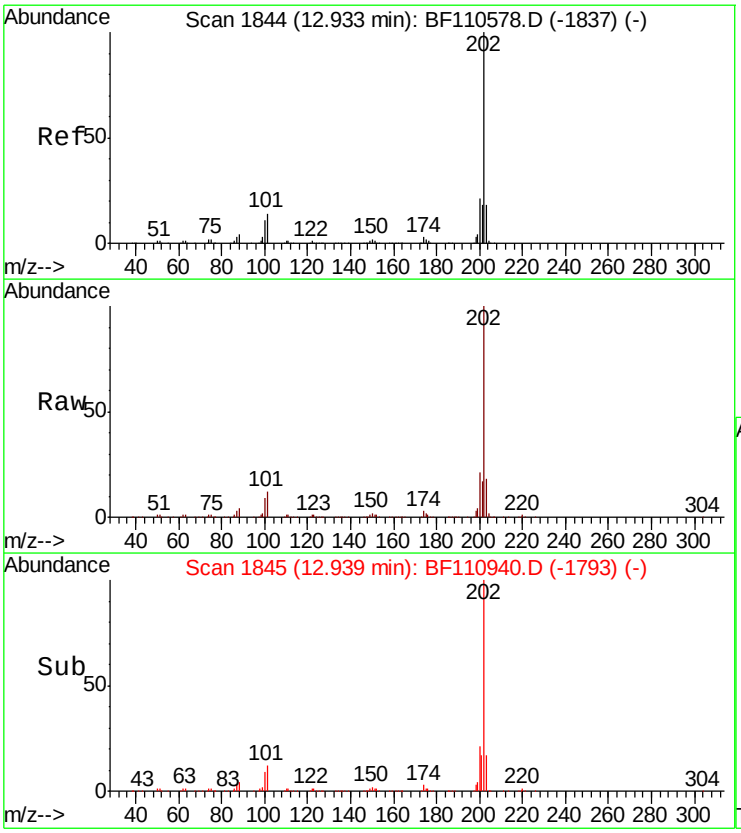
#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.14 min Scan# 2049
Delta R.T. 0.00 min
Lab File: BF110940.D
Acq: 21 Nov 2018 20:44

Instrument :
BNA_F
ClientSampleId :
NB-08-112018DL

Tgt Ion:240 Resp: 123985

Ion	Ratio	Lower	Upper
240	100		
120	10.3	8.3	12.5
236	25.6	21.2	31.8

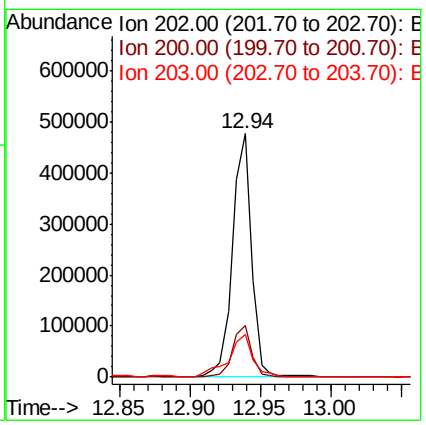


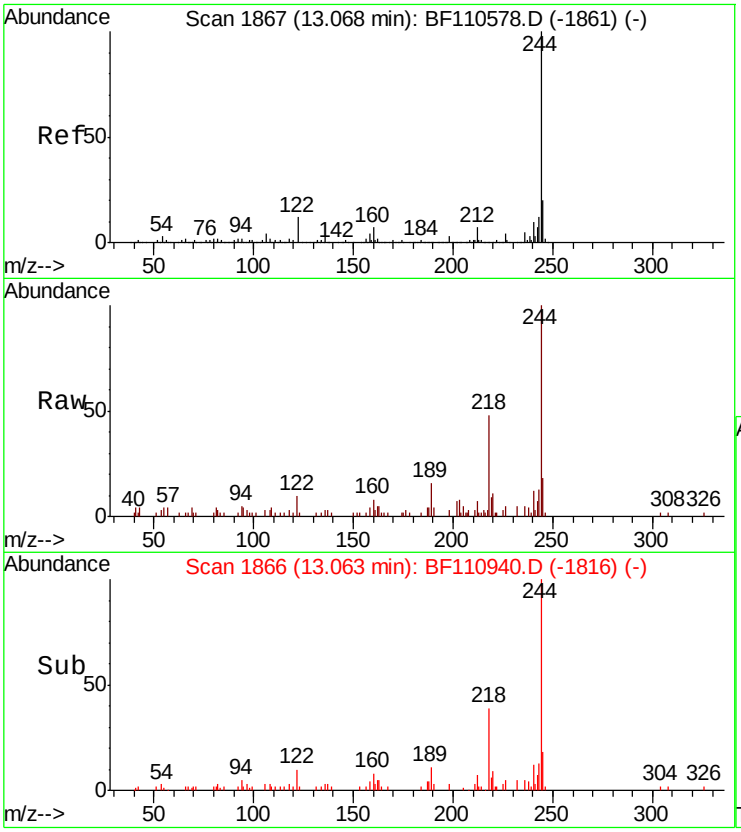


#78
Pyrene
Concen: 46.936 ng
RT: 12.94 min Scan# 1845
Delta R.T. 0.01 min
Lab File: BF110940.D
Acq: 21 Nov 2018 20:44

Tgt Ion:202 Resp: 448073

Ion	Ratio	Lower	Upper
202	100		
200	21.0	17.8	26.6
203	17.7	14.2	21.4



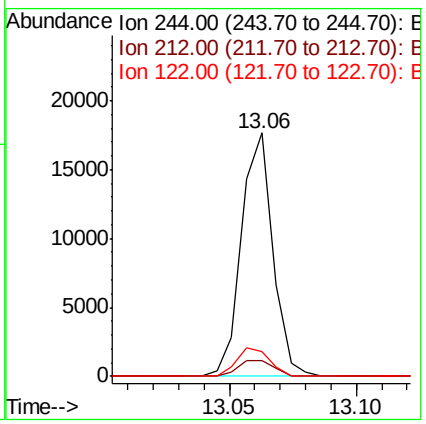


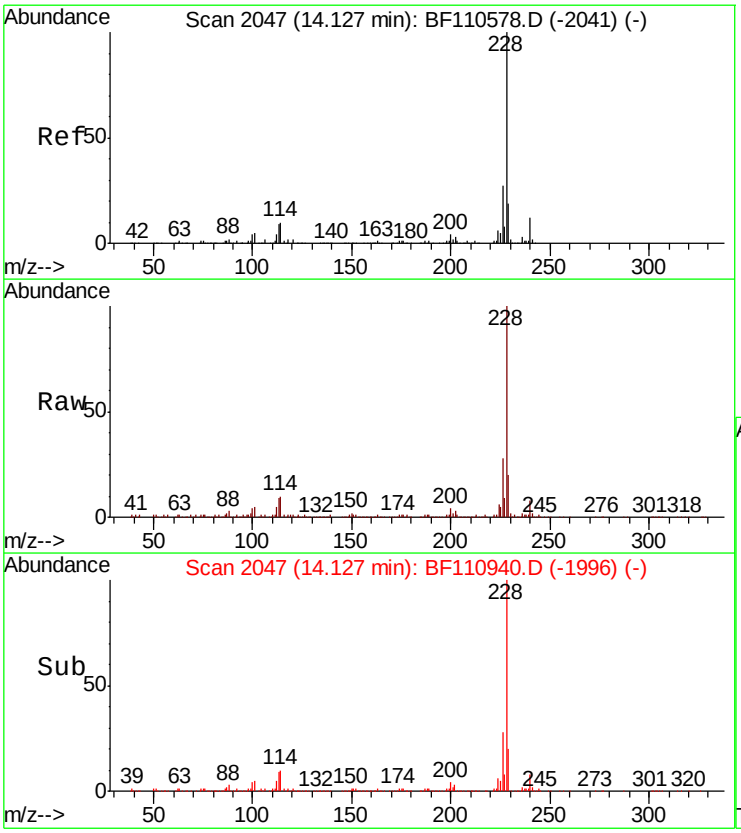
#79
Terphenyl-d14
Concen: 2.299 ng
RT: 13.06 min Scan# 1866
Delta R.T. -0.01 min
Lab File: BF110940.D
Acq: 21 Nov 2018 20:44

Instrument :
BNA_F
ClientSampleId :
NB-08-112018DL

Tgt Ion:244 Resp: 15219

Ion	Ratio	Lower	Upper
244	100		
212	6.6	5.8	8.8
122	10.0	8.7	13.1

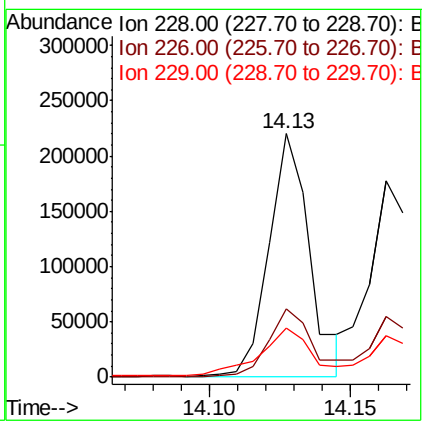


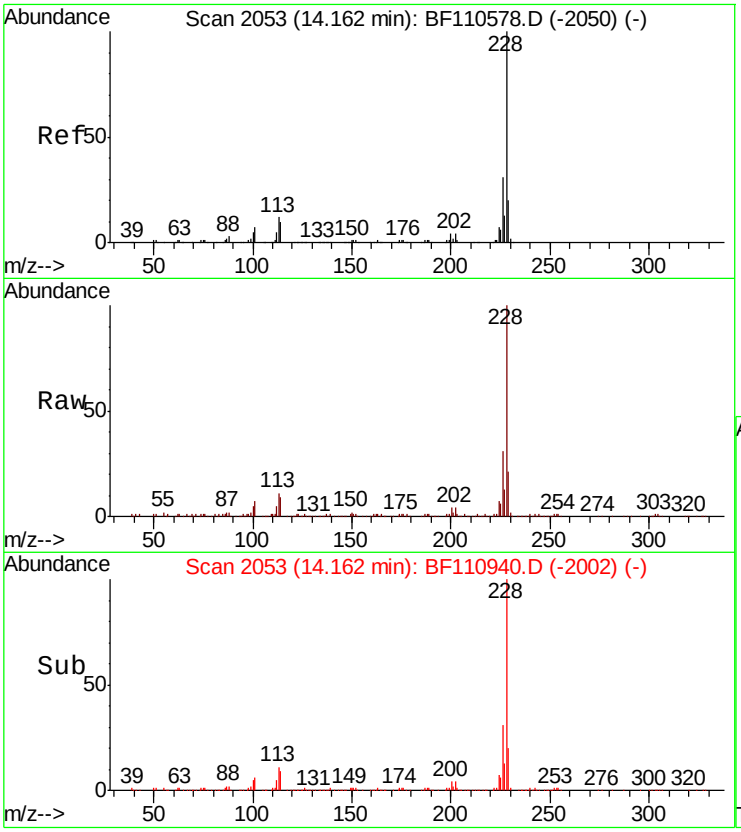


#81
Benzo(a)anthracene
Concen: 29.527 ng
RT: 14.13 min Scan# 2047
Delta R.T. 0.00 min
Lab File: BF110940.D
Acq: 21 Nov 2018 20:44

Tgt Ion:228 Resp: 218813

Ion	Ratio	Lower	Upper
228	100		
226	27.9	22.1	33.1
229	20.1	15.6	23.4



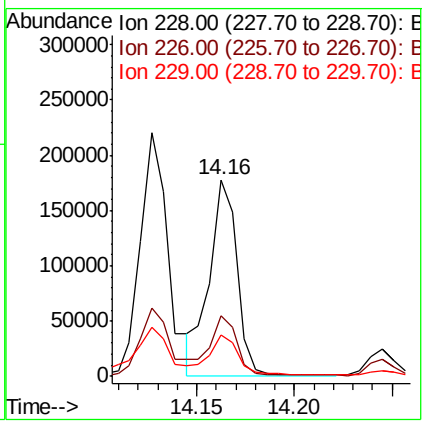


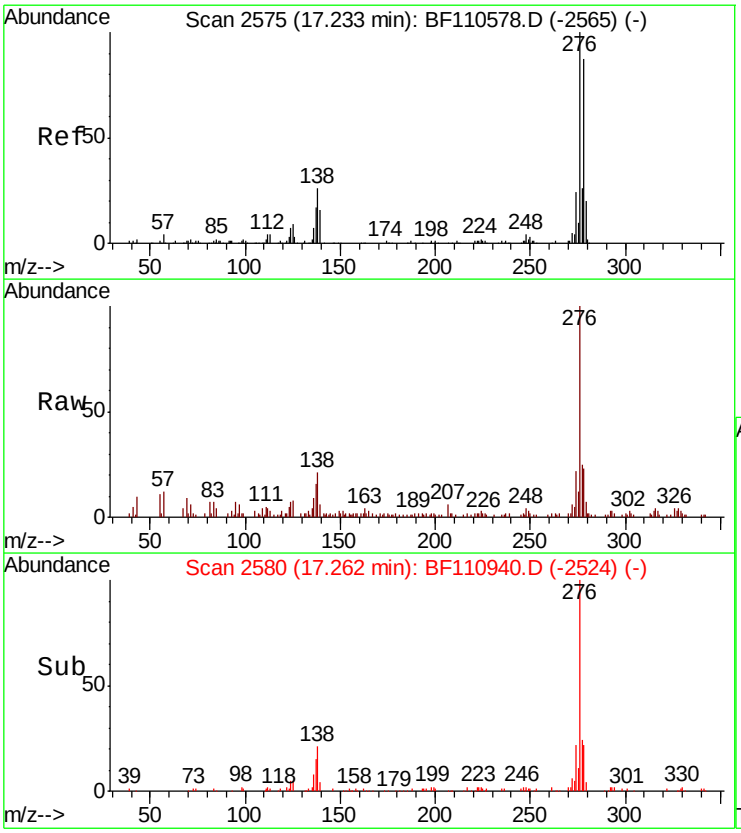
#83
Chrysene
Concen: 24.799 ng
RT: 14.16 min Scan# 2053
Delta R.T. 0.00 min
Lab File: BF110940.D
Acq: 21 Nov 2018 20:44

Instrument :
BNA_F
ClientSampleId :
NB-08-112018DL

Tgt Ion:228 Resp: 175088

Ion	Ratio	Lower	Upper
228	100		
226	31.0	24.7	37.1
229	20.9	15.9	23.9

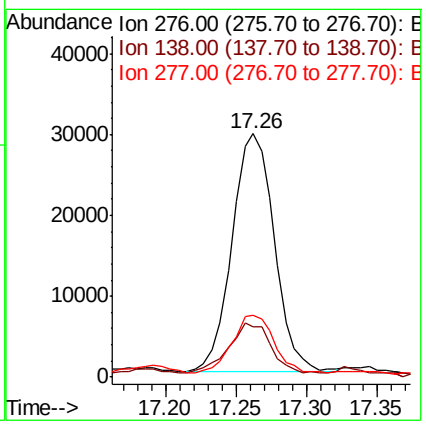


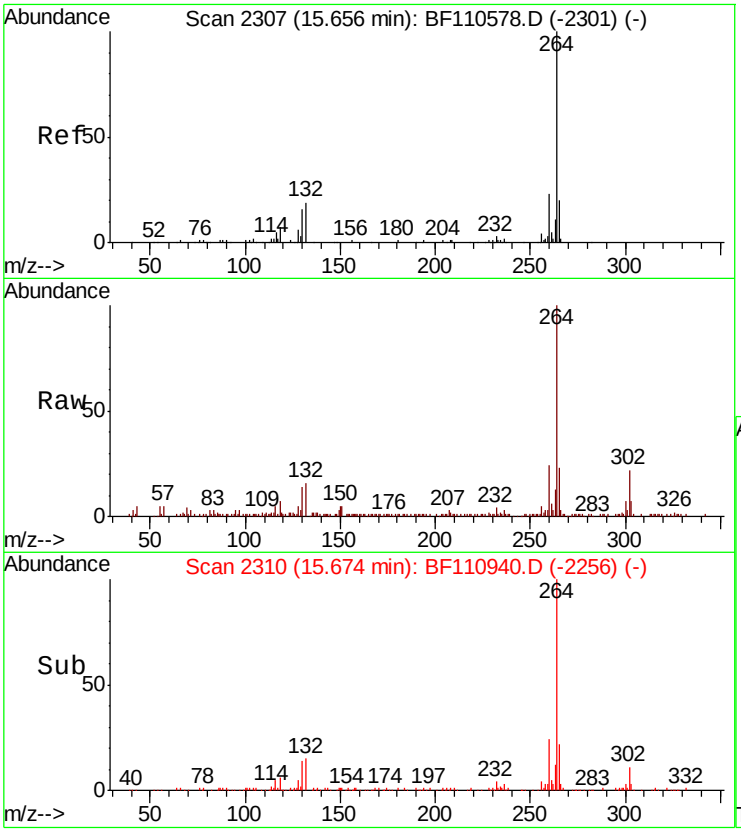


#86
Indeno(1,2,3-cd)pyrene
Concen: 12.153 ng
RT: 17.26 min Scan# 2580
Delta R.T. 0.03 min
Lab File: BF110940.D
Acq: 21 Nov 2018 20:44

Tgt Ion:276 Resp: 61572

Ion	Ratio	Lower	Upper
276	100		
138	21.0	18.5	27.7
277	24.2	20.0	30.0



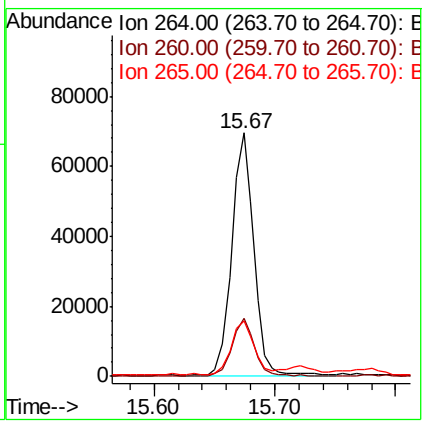


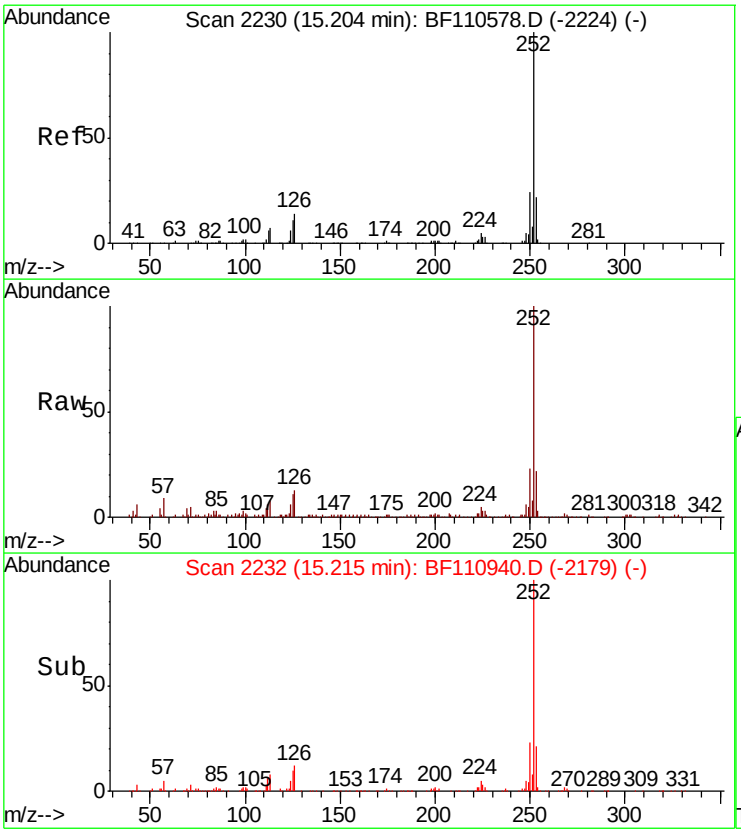
#87
Perylene-d12
Concen: 20.000 ng
RT: 15.67 min Scan# 2310
Delta R.T. 0.02 min
Lab File: BF110940.D
Acq: 21 Nov 2018 20:44

Instrument :
BNA_F
ClientSampleId :
NB-08-112018DL

Tgt Ion:264 Resp: 89797

Ion	Ratio	Lower	Upper
264	100		
260	23.6	18.7	28.1
265	22.6	16.7	25.1

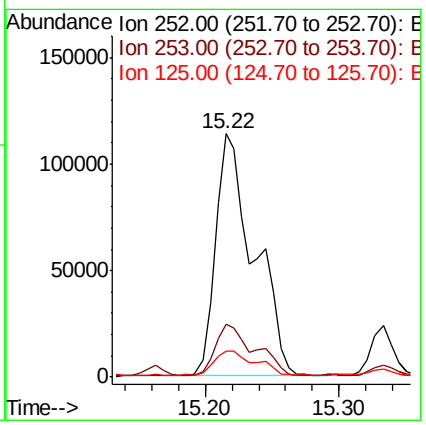


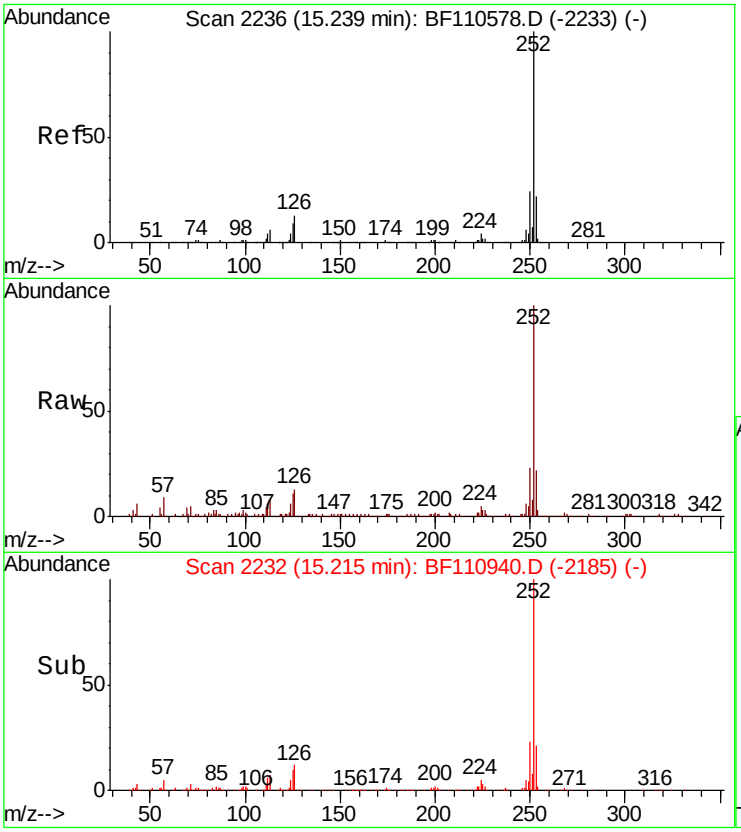


#88
Benzo(b)fluoranthene
Concen: 42.510 ng
RT: 15.22 min Scan# 2232
Delta R.T. 0.01 min
Lab File: BF110940.D
Acq: 21 Nov 2018 20:44

Tgt Ion:252 Resp: 228364

Ion	Ratio	Lower	Upper
252	100		
253	21.7	17.2	25.8
125	10.9	8.2	12.4



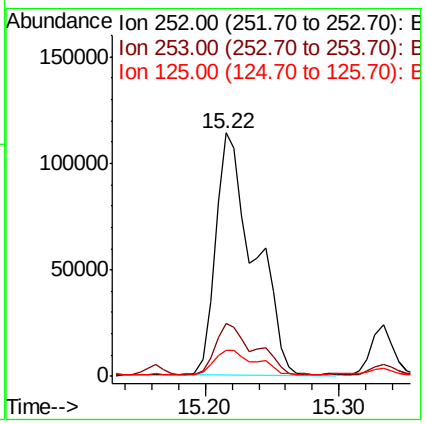


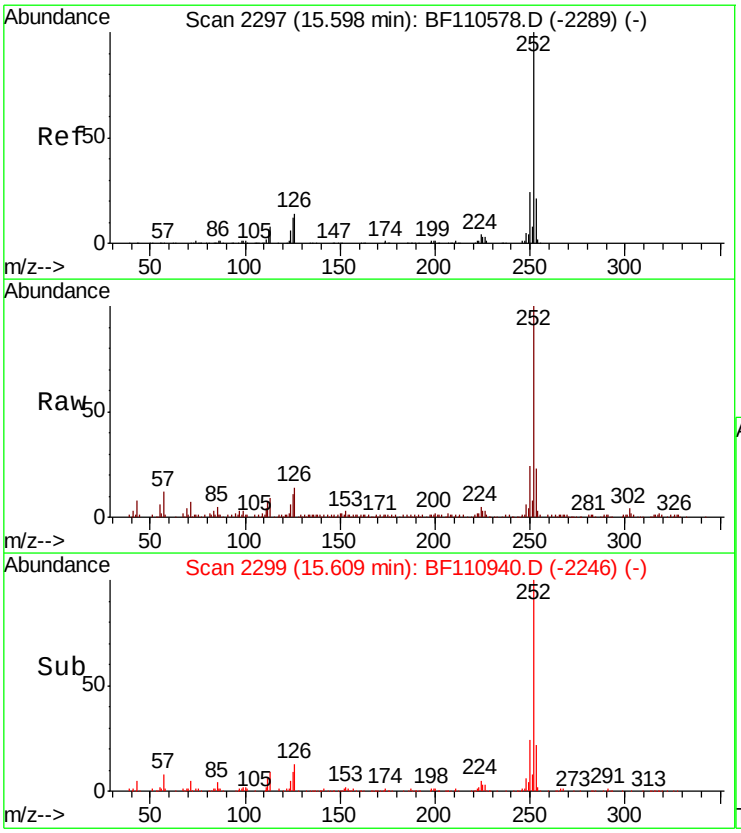
#89
Benzo(k)fluoranthene
Concen: 43.046 ng
RT: 15.22 min Scan# 2232
Delta R.T. -0.02 min
Lab File: BF110940.D
Acq: 21 Nov 2018 20:44

Instrument :
BNA_F
ClientSampleId :
NB-08-112018DL

Tgt Ion:252 Resp: 228491

Ion	Ratio	Lower	Upper
252	100		
253	21.7	17.2	25.8
125	10.9	7.4	11.0

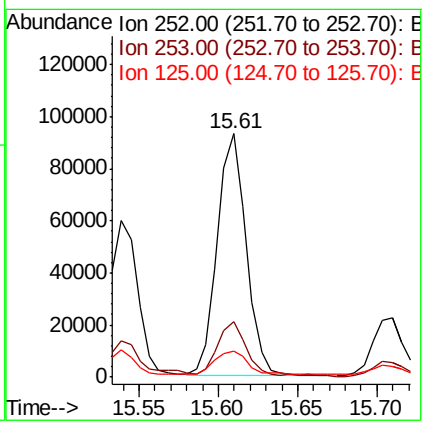


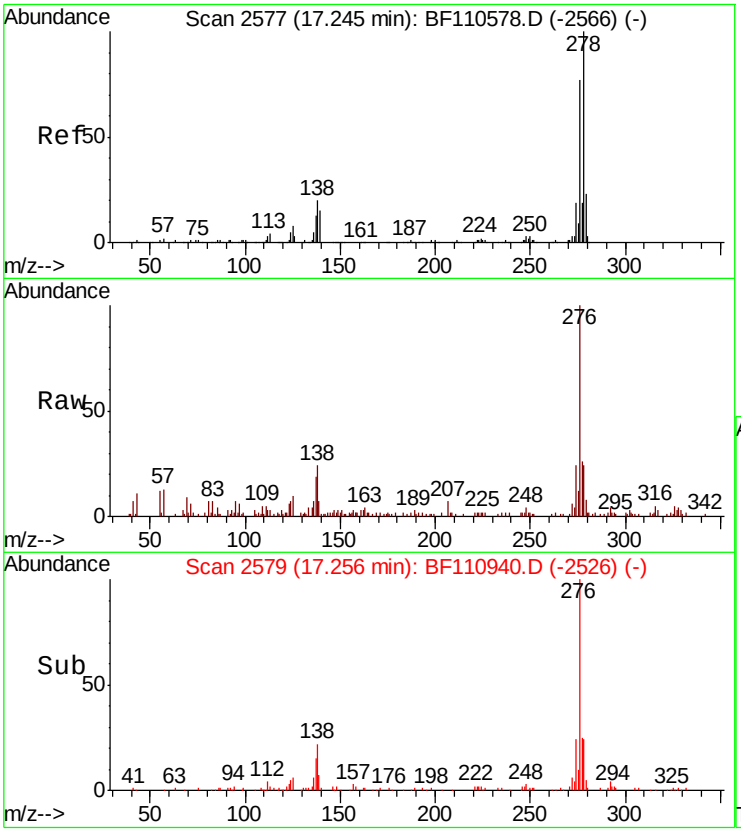


#90
Benzo(a)pyrene
Concen: 24.301 ng
RT: 15.61 min Scan# 2299
Delta R.T. 0.01 min
Lab File: BF110940.D
Acq: 21 Nov 2018 20:44

Tgt Ion:252 Resp: 118608

Ion	Ratio	Lower	Upper
252	100		
253	22.9	18.2	27.4
125	10.5	9.0	13.6



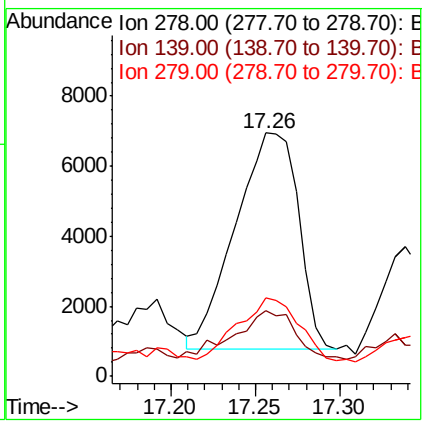


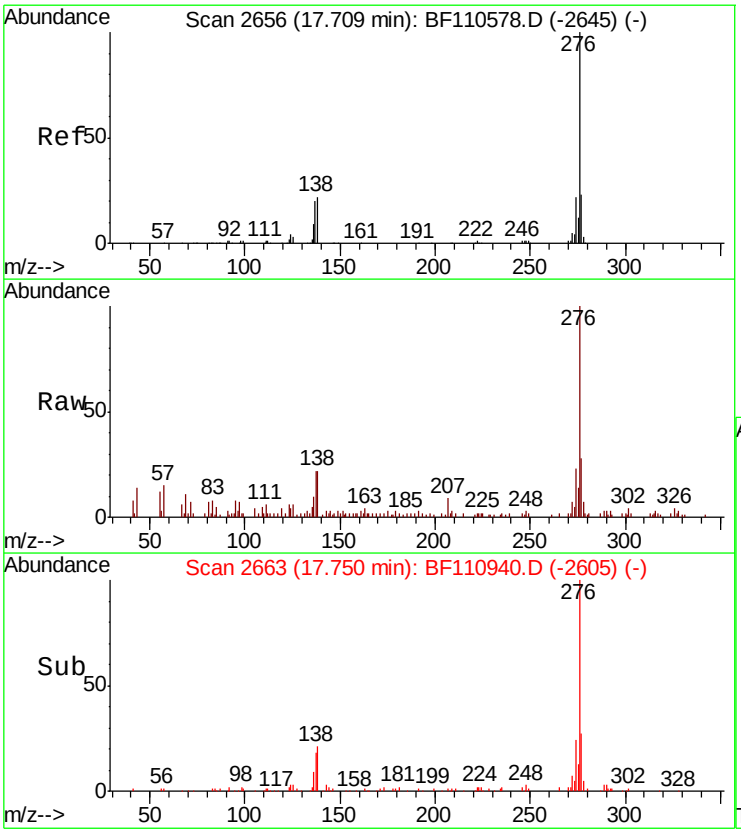
#91
Dibenzo(a,h)anthracene
Concen: 3.890 ng
RT: 17.26 min Scan# 2579
Delta R.T. 0.01 min
Lab File: BF110940.D
Acq: 21 Nov 2018 20:44

Instrument :
BNA_F
ClientSampleId :
NB-08-112018DL

Tgt Ion:278 Resp: 16069

Ion	Ratio	Lower	Upper
278	100		
139	31.7	12.7	19.1#
279	32.1	19.0	28.4#





#92
Benzo(g,h,i)perylene
Concen: 14.095 ng
RT: 17.75 min Scan# 2663
Delta R.T. 0.04 min
Lab File: BF110940.D
Acq: 21 Nov 2018 20:44

Tgt Ion:276 Resp: 57763

Ion	Ratio	Lower	Upper
276	100		
277	28.1	18.8	28.2
138	21.6	16.0	24.0