Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF060719\
Data File : BF114915.D
Acq On : 8 Jun 2019 2:44
Operator : HP/JU
Sample : K3189-02 2X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : S-7B

Quant Time: Jun 08 07:01:42 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF060419.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jun 04 16:57:15 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.66	152	337204	20.00	ng	0.00
21) Naphthalene-d8	7.94	136	1264086	20.00	ng	-0.01
39) Acenaphthene-d10	9.69	164	540192	20.00	ng	-0.01
64) Phenanthrene-d10	11.16	188	859181	20.00	ng	0.00
76) Chrysene-d12	13.79	240	537386	20.00	ng	0.00
87) Perylene-d12	15.17	264	524555	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.27	112	1076983	55.81	ng	0.00
7) Phenol-d6	6.30	99	1331091	56.69	ng	0.00
23) Nitrobenzene-d5	7.22	82	761782	37.10	ng	-0.01
42) 2,4,6-Tribromophenol	10.47	330	265496	45.61	ng	-0.01
45) 2-Fluorobiphenyl	9.02	172	1317064	45.67	ng	-0.01
79) Terphenyl-d14	12.74	244	991642	35.89	ng	-0.01
Target Compounds						Qvalue
31) Naphthalene	7.96	128	185185	3.254	ng	95
37) 2-Methylnaphthalene	8.65	142	88779	2.249	ng	96
38) 1-Methylnaphthalene	8.75	142	95762m	2.558	ng	
49) Acenaphthylene	9.55	152	506207	10.261	ng	94
50) Dimethylphthalate	9.41	163	218644	5.542	ng	97
52) Acenaphthene	9.72	154	203872	6.308	ng	99
55) Dibenzofuran	9.89	168	327245	7.282	ng	95
58) Fluorene	10.23	166	362641	4.255	ng	98
71) Phenanthrene	11.19	178	4132414	100.750	ng	99
72) Anthracene	11.24	178	1451244	33.620	ng	96
73) Carbazole	11.39	167	675699	18.260	ng	95
75) Fluoranthene	12.38	202	5186010	121.480	ng	98
78) Pyrene	12.60	202	4496595	96.455	ng	98
81) Benzo(a)anthracene	13.78	228	3115222	75.227	ng	98
83) Chrysene	13.82	228	2525624	62.694	ng	97
86) Indeno(1,2,3-cd)pyrene	16.48	276	1031820	22.448	ng	97
88) Benzo(b)fluoranthene	14.79	252	2596403m	77.751	ng	
89) Benzo(k)fluoranthene	14.81	252	982153m	34.633	ng	
90) Benzo(a)pyrene	15.12	252	1769334	61.215	ng	98
91) Dibenzo(a,h)anthracene	16.49	278	306771m	11.207	ng	
92) Benzo(g,h,i)perylene	16.87	276	905223	32.886	ng	99

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

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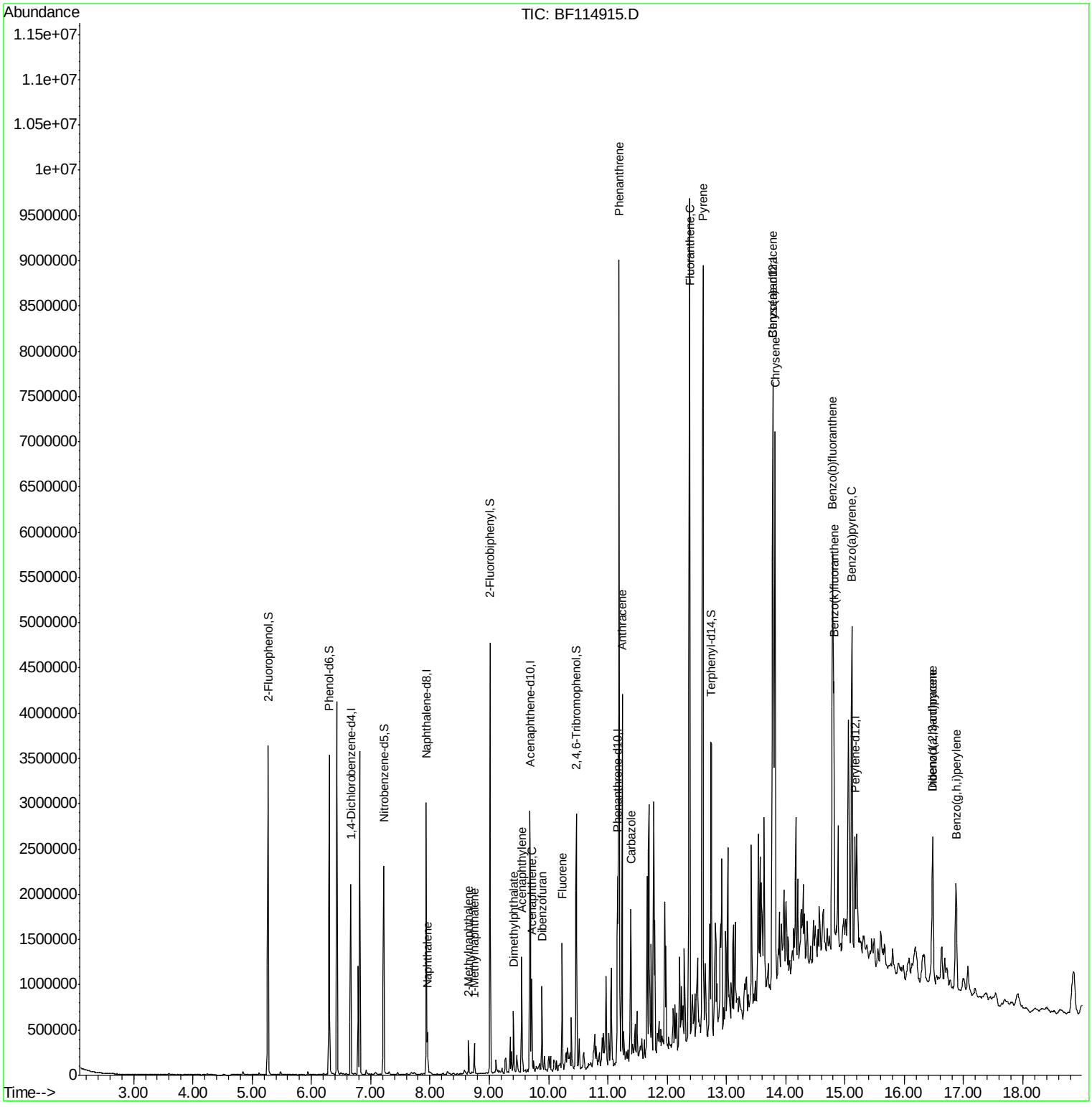
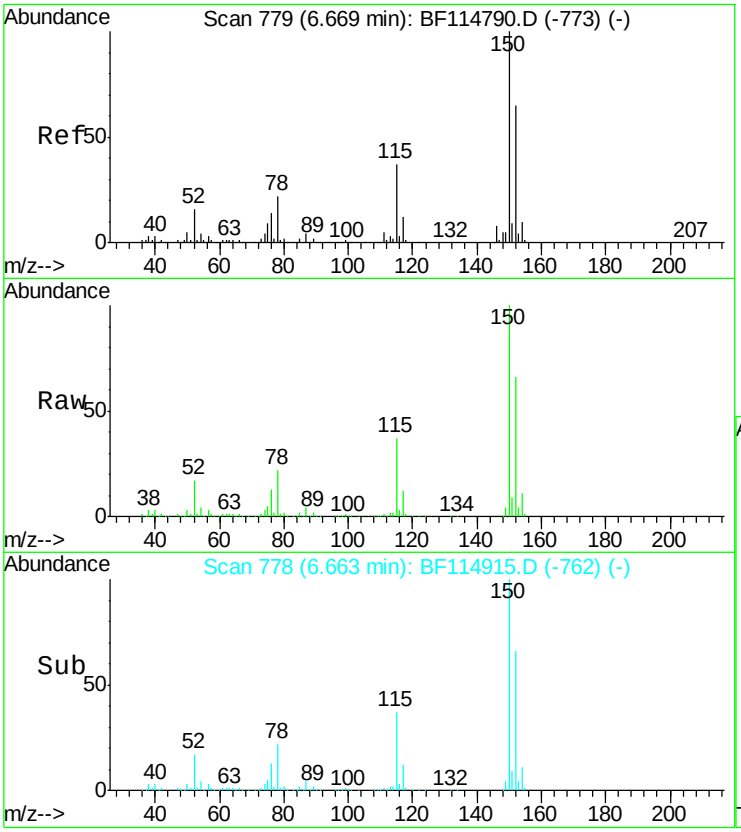


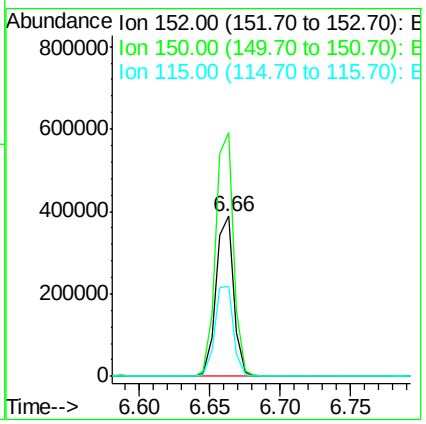


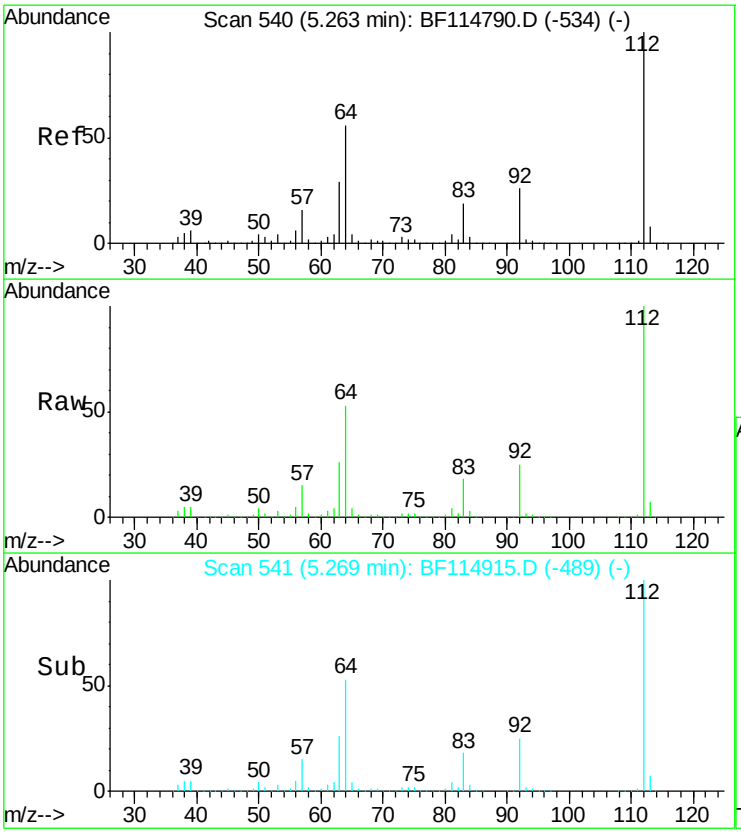
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.66 min Scan# 778
Delta R.T. -0.01 min
Lab File: BF114915.D
Acq: 8 Jun 2019 2:44

Instrument :
BNA_F
ClientSampleId :
S-7B

Tgt Ion:152 Resp: 337204

Ion	Ratio	Lower	Upper
152	100		
150	152.2	124.0	186.0
115	56.4	46.3	69.5

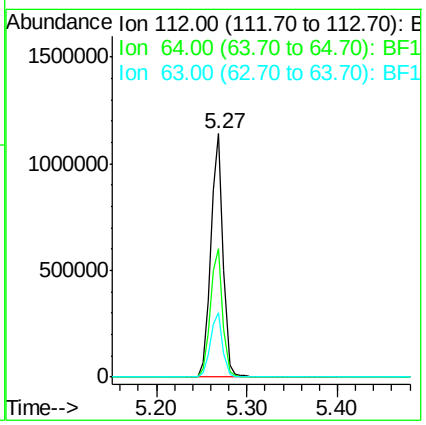


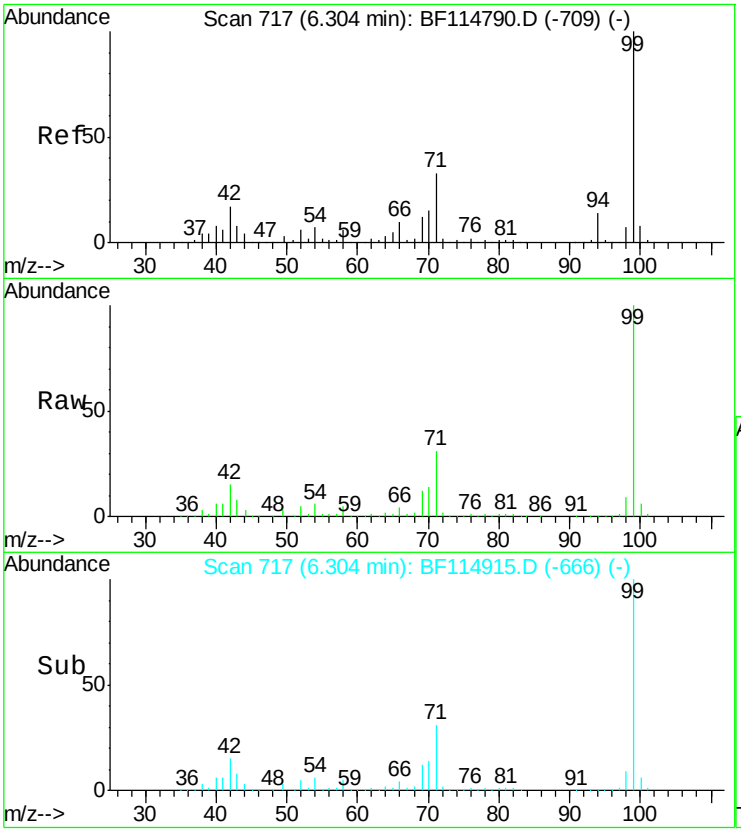


#5
2-Fluorophenol
Concen: 55.808 ng
RT: 5.27 min Scan# 541
Delta R.T. 0.01 min
Lab File: BF114915.D
Acq: 8 Jun 2019 2:44

Tgt Ion:112 Resp: 1076983

Ion	Ratio	Lower	Upper
112	100		
64	52.5	44.6	66.8
63	26.3	23.0	34.4



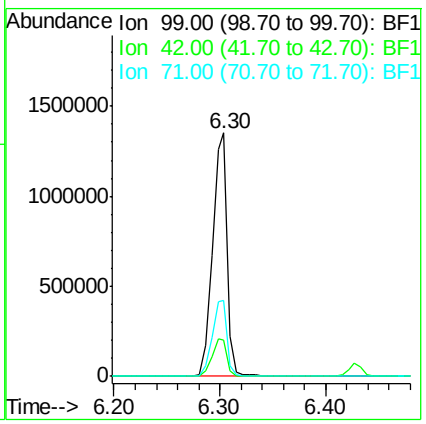


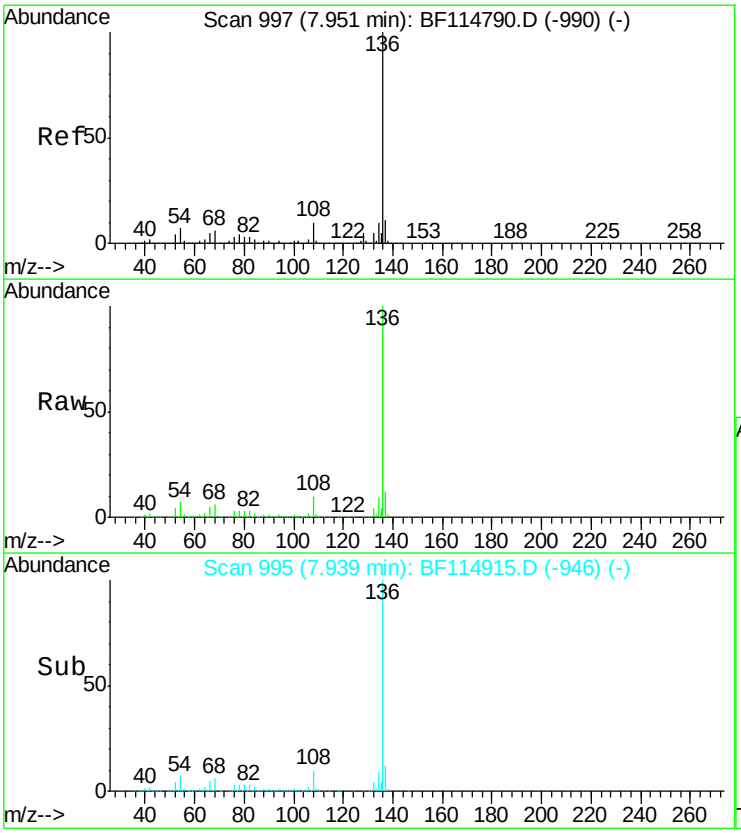
#7
Phenol-d6
Concen: 56.686 ng
RT: 6.30 min Scan# 717
Delta R.T. -0.00 min
Lab File: BF114915.D
Acq: 8 Jun 2019 2:44

Instrument :
BNA_F
ClientSampleId :
S-7B

Tgt Ion: 99 Resp: 1331091

Ion	Ratio	Lower	Upper
99	100		
42	15.1	13.3	19.9
71	31.2	26.3	39.5

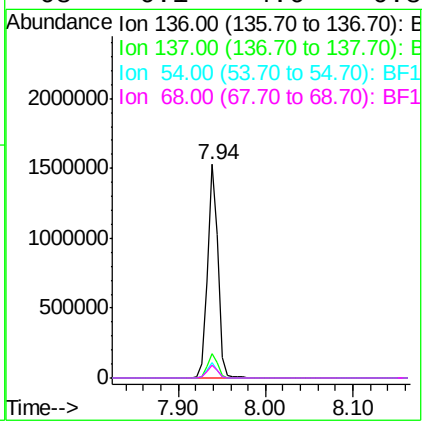


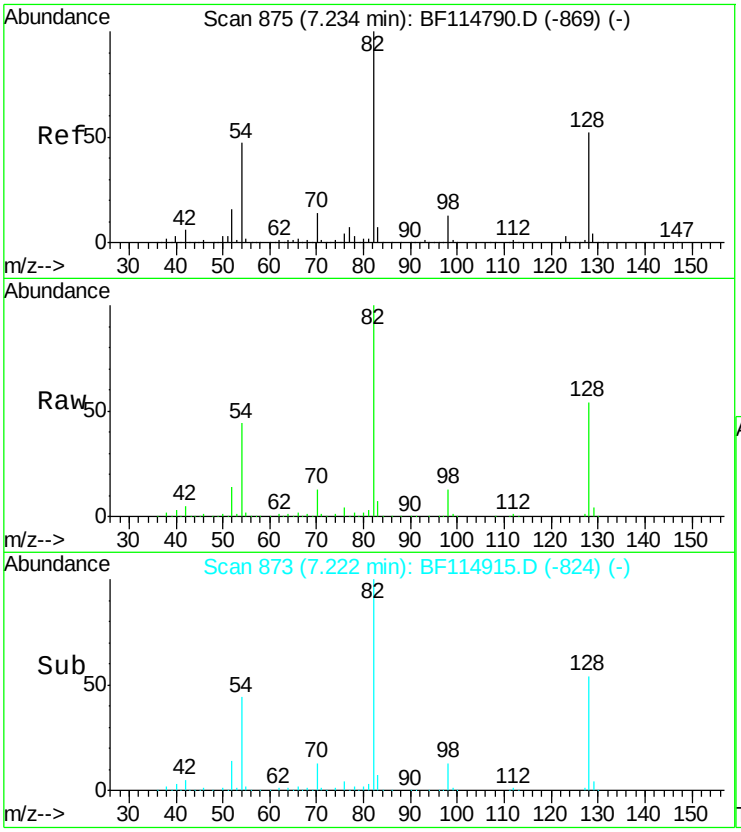


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 7.94 min Scan# 995
Delta R.T. -0.01 min
Lab File: BF114915.D
Acq: 8 Jun 2019 2:44

Tgt Ion:136 Resp: 1264086

Ion	Ratio	Lower	Upper
136	100		
137	11.6	9.1	13.7
54	7.1	5.4	8.0
68	6.1	4.6	6.8



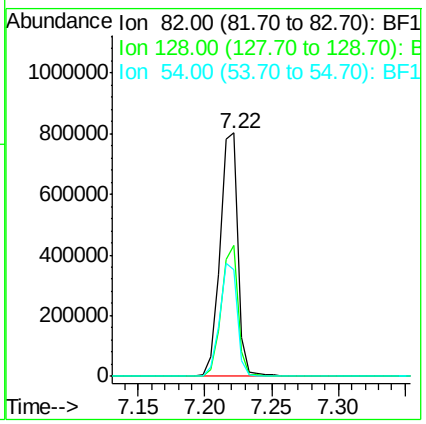


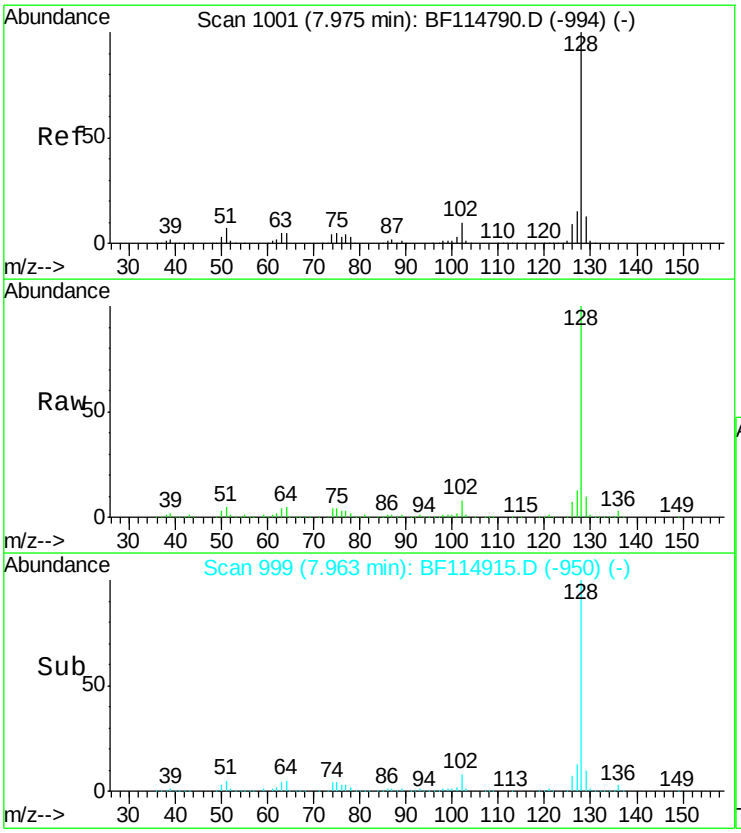
#23
Nitrobenzene-d5
Concen: 37.097 ng
RT: 7.22 min Scan# 873
Delta R.T. -0.01 min
Lab File: BF114915.D
Acq: 8 Jun 2019 2:44

Instrument :
BNA_F
ClientSampleId :
S-7B

Tgt Ion: 82 Resp: 761782

Ion	Ratio	Lower	Upper
82	100		
128	53.6	41.8	62.6
54	43.7	37.9	56.9

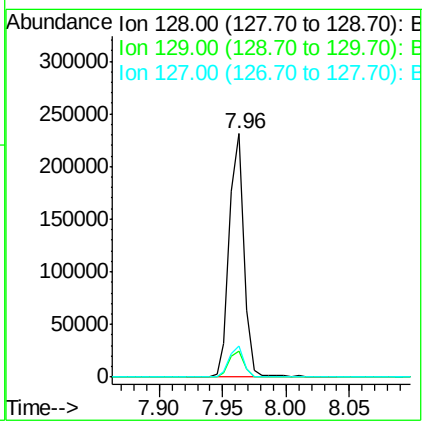


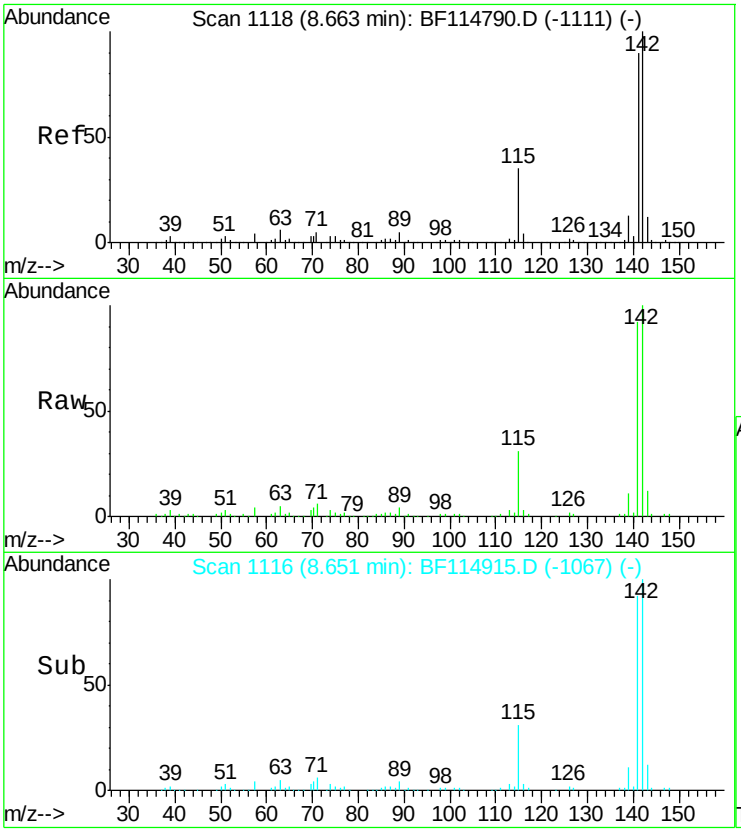


#31
Naphthalene
Concen: 3.254 ng
RT: 7.96 min Scan# 999
Delta R.T. -0.01 min
Lab File: BF114915.D
Acq: 8 Jun 2019 2:44

Tgt Ion:128 Resp: 185185

Ion	Ratio	Lower	Upper
128	100		
129	10.5	10.0	15.0
127	12.8	12.2	18.2



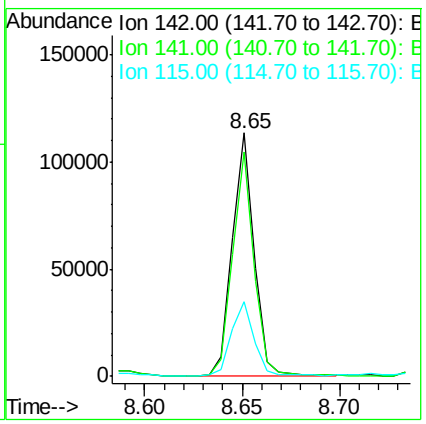


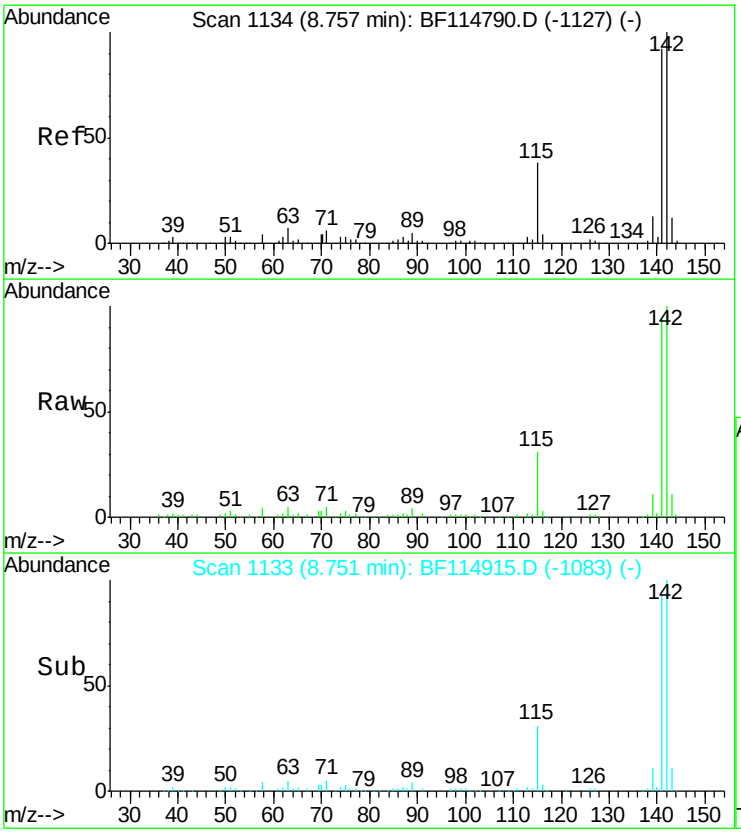
#37
2-Methylnaphthalene
Concen: 2.249 ng
RT: 8.65 min Scan# 1116
Delta R.T. -0.01 min
Lab File: BF114915.D
Acq: 8 Jun 2019 2:44

Instrument :
BNA_F
ClientSampleId :
S-7B

Tgt Ion:142 Resp: 88779

Ion	Ratio	Lower	Upper
142	100		
141	92.1	71.6	107.4
115	30.5	28.2	42.4

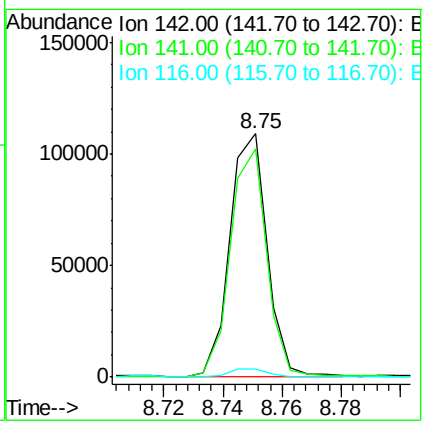


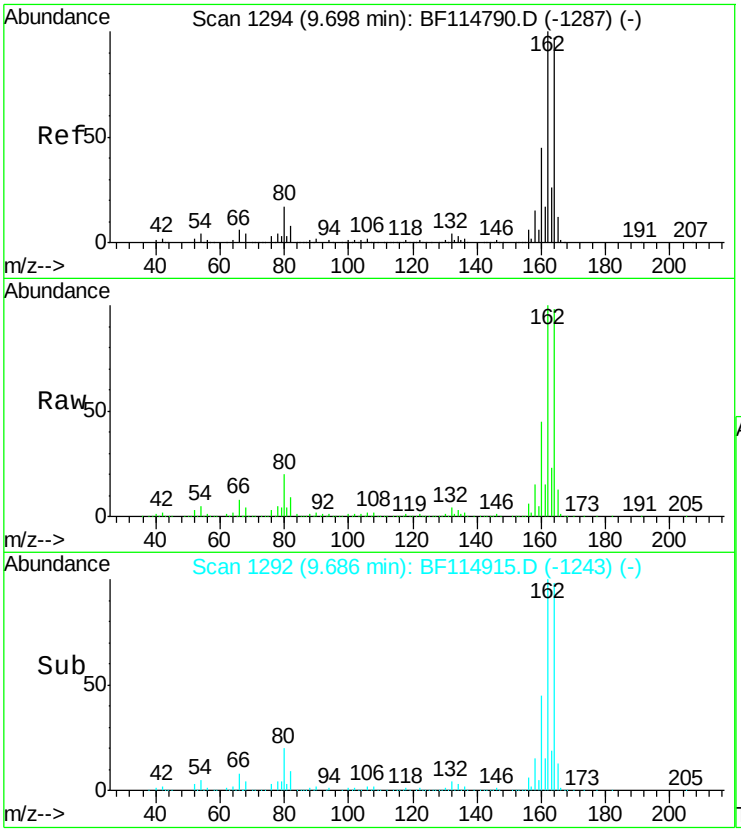


#38
1-Methylnaphthalene
Concen: 2.558 ng m
RT: 8.75 min Scan# 1133
Delta R.T. -0.01 min
Lab File: BF114915.D
Acq: 8 Jun 2019 2:44

Tgt Ion:142 Resp: 95762

Ion	Ratio	Lower	Upper
142	100		
141	93.7	73.8	110.6
116	3.3	3.3	4.9#



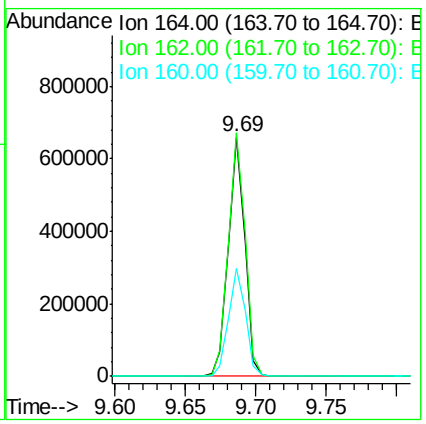


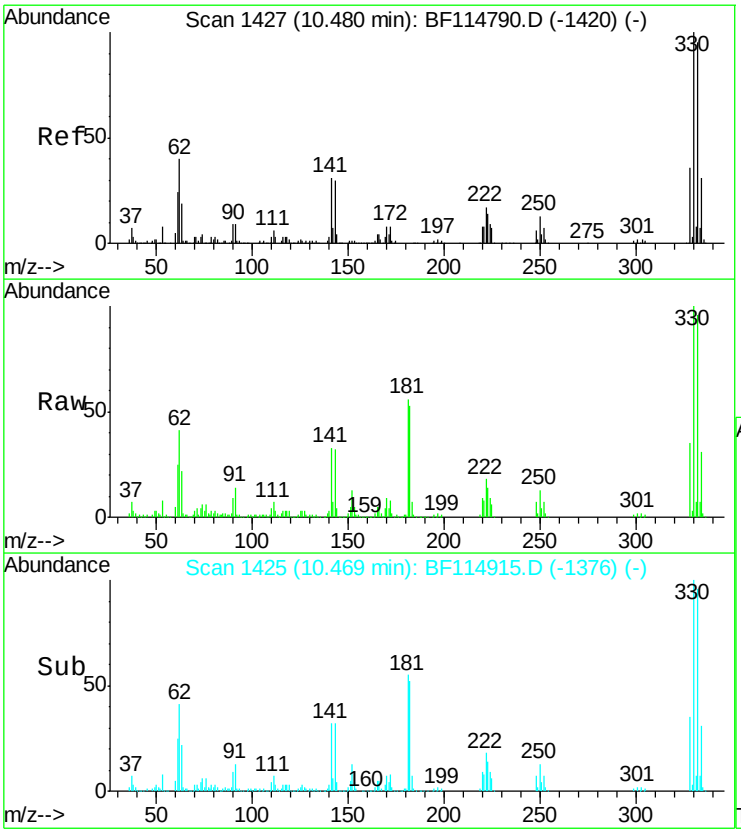
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.69 min Scan# 1292
Delta R.T. -0.01 min
Lab File: BF114915.D
Acq: 8 Jun 2019 2:44

Instrument :
BNA_F
ClientSampleId :
S-7B

Tgt Ion:164 Resp: 540192

Ion	Ratio	Lower	Upper
164	100		
162	101.9	82.3	123.5
160	45.4	36.7	55.1

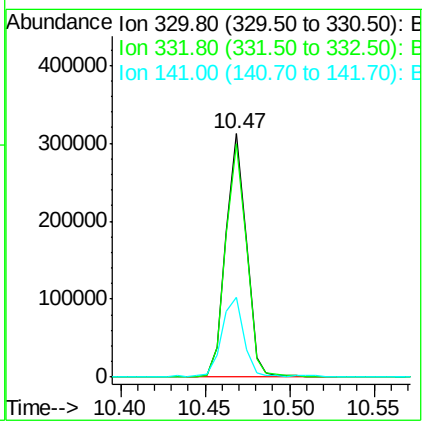


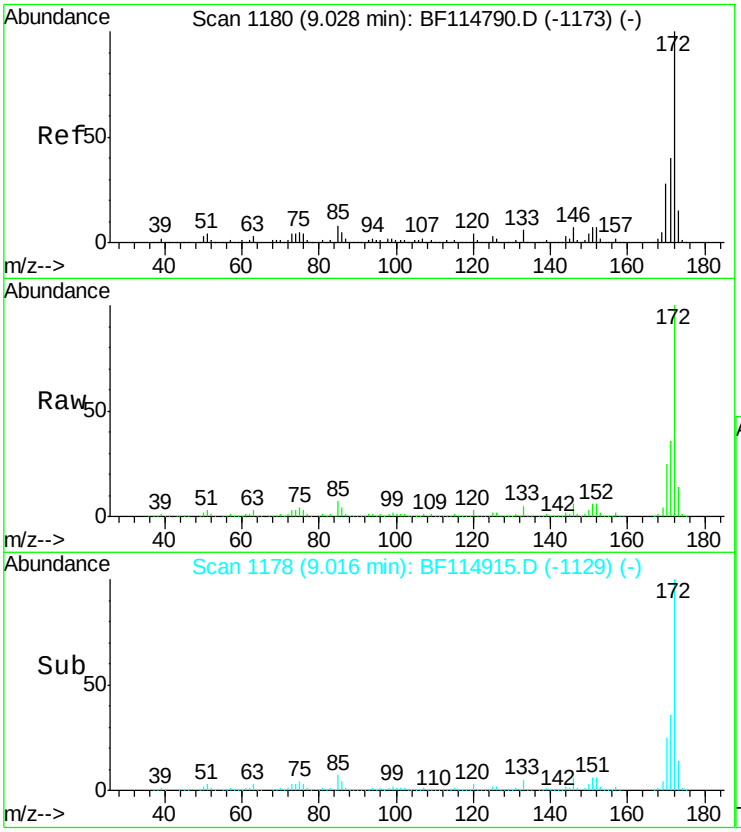


#42
2,4,6-Tribromophenol
Concen: 45.607 ng
RT: 10.47 min Scan# 1425
Delta R.T. -0.01 min
Lab File: BF114915.D
Acq: 8 Jun 2019 2:44

Tgt Ion:330 Resp: 265496

Ion	Ratio	Lower	Upper
330	100		
332	97.4	77.3	115.9
141	34.7	26.2	39.4



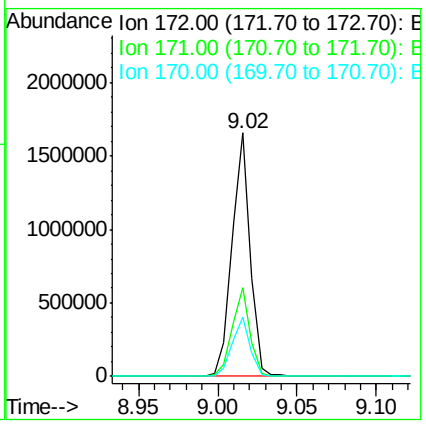


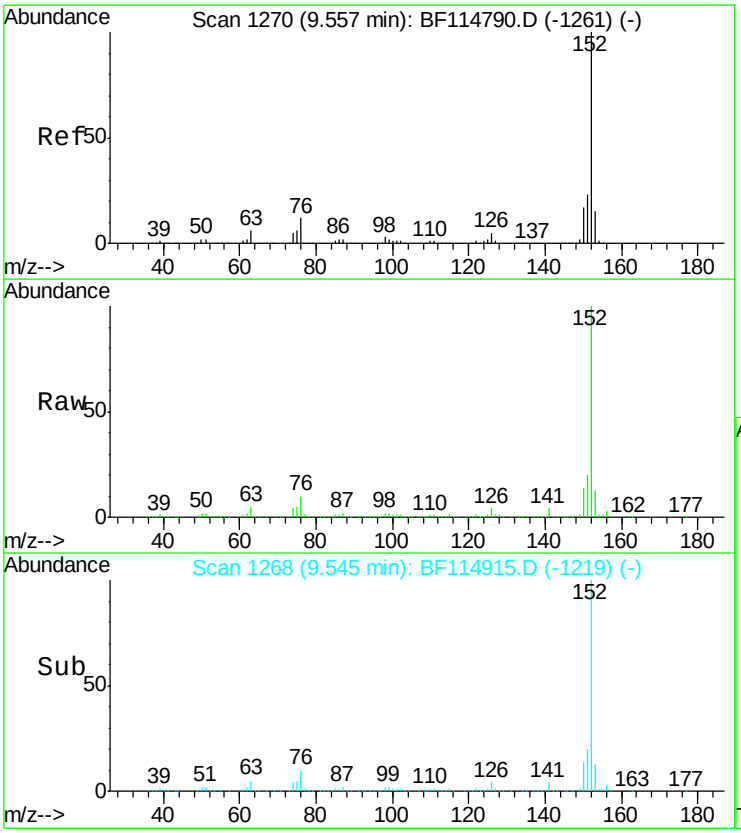
#45
2-Fluorobiphenyl
Concen: 45.673 ng
RT: 9.02 min Scan# 1178
Delta R.T. -0.01 min
Lab File: BF114915.D
Acq: 8 Jun 2019 2:44

Instrument :
BNA_F
ClientSampleId :
S-7B

Tgt Ion:172 Resp: 1317064

Ion	Ratio	Lower	Upper
172	100		
171	36.3	32.3	48.5
170	24.5	22.4	33.6

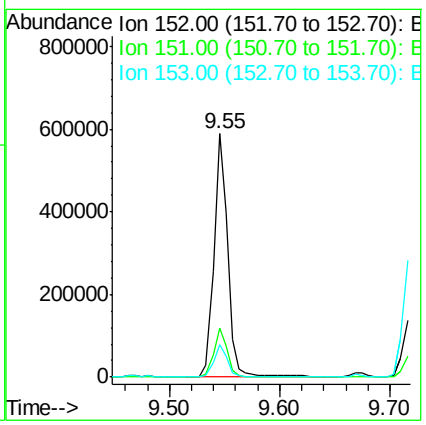


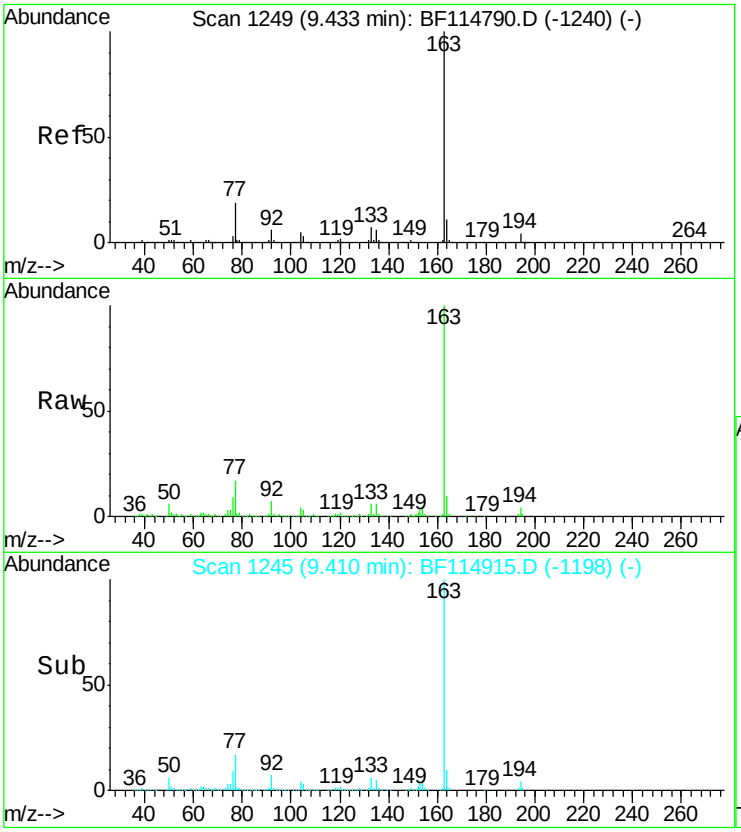


#49
Acenaphthylene
Concen: 10.261 ng
RT: 9.55 min Scan# 1268
Delta R.T. -0.01 min
Lab File: BF114915.D
Acq: 8 Jun 2019 2:44

Tgt Ion:152 Resp: 506207

Ion	Ratio	Lower	Upper
152	100		
151	20.0	18.3	27.5
153	13.3	12.3	18.5



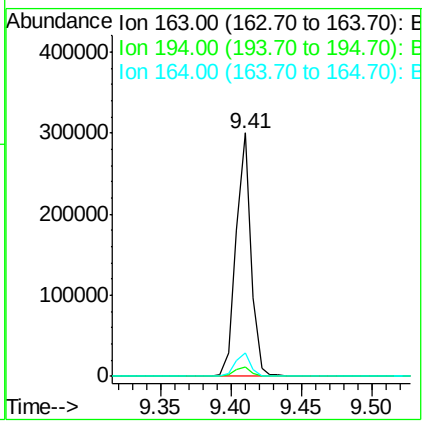


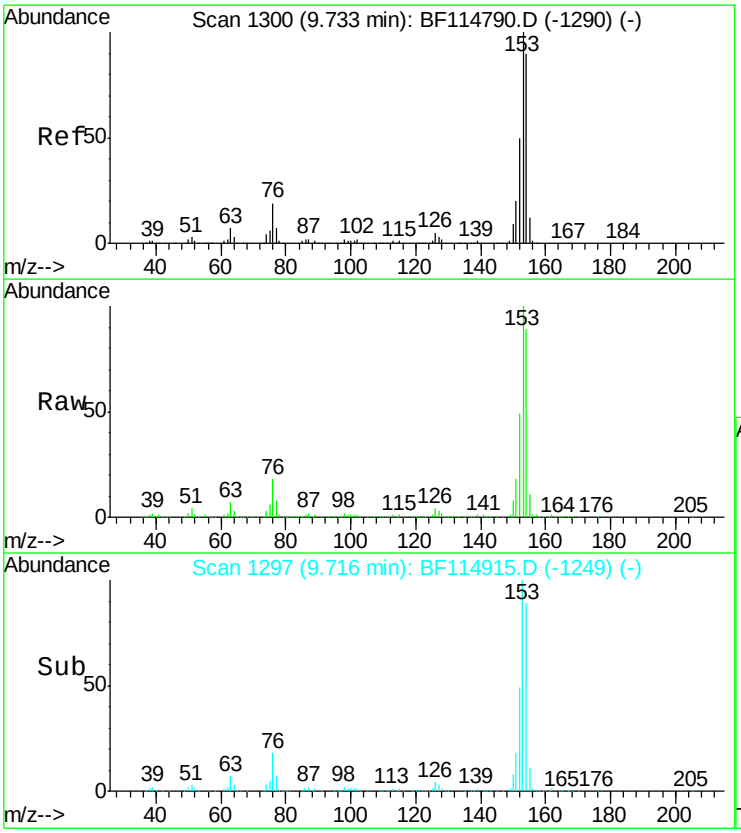
#50
Dimethylphthalate
Concen: 5.542 ng
RT: 9.41 min Scan# 1245
Delta R.T. -0.02 min
Lab File: BF114915.D
Acq: 8 Jun 2019 2:44

Instrument :
BNA_F
ClientSampleId :
S-7B

Tgt Ion:163 Resp: 218644

Ion	Ratio	Lower	Upper
163	100		
194	3.6	3.4	5.2
164	9.7	8.6	13.0

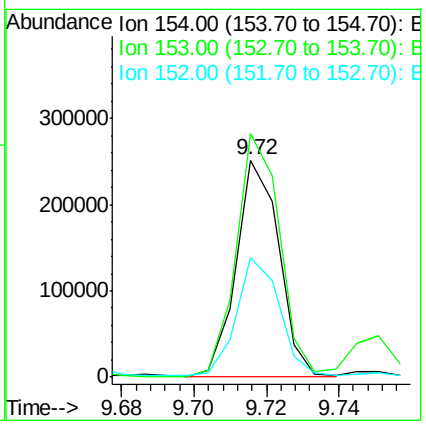


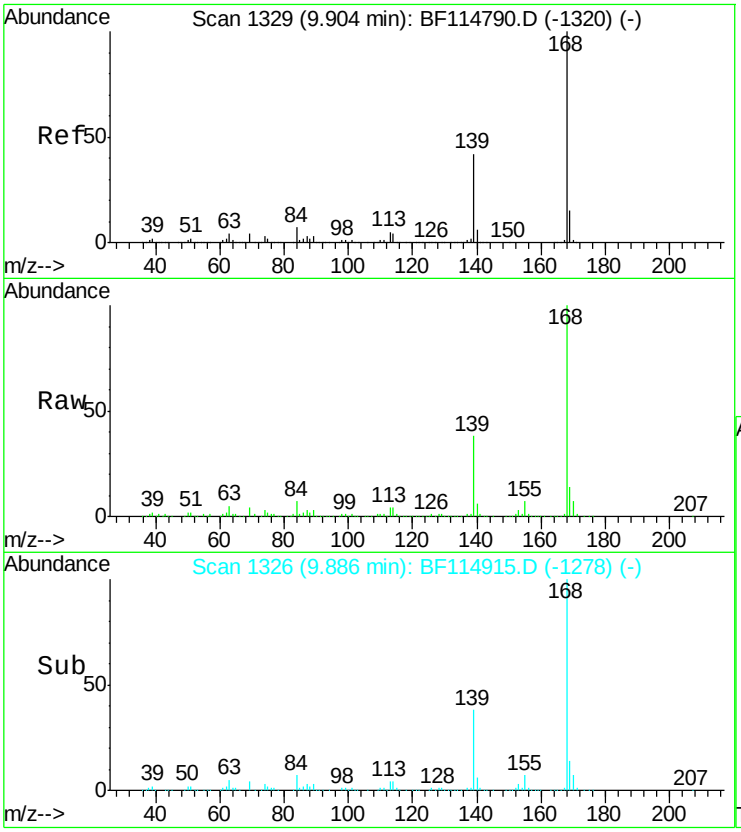


#52
Acenaphthene
Concen: 6.308 ng
RT: 9.72 min Scan# 1297
Delta R.T. -0.02 min
Lab File: BF114915.D
Acq: 8 Jun 2019 2:44

Tgt Ion:154 Resp: 203872

Ion	Ratio	Lower	Upper
154	100		
153	112.3	88.5	132.7
152	54.9	44.1	66.1



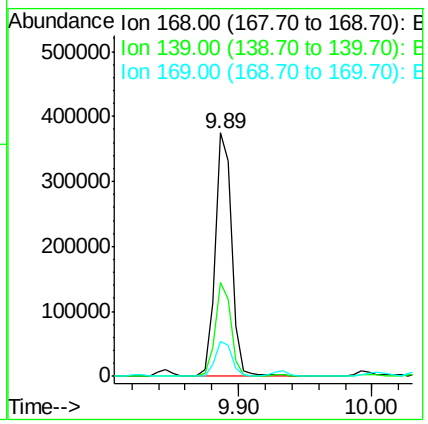


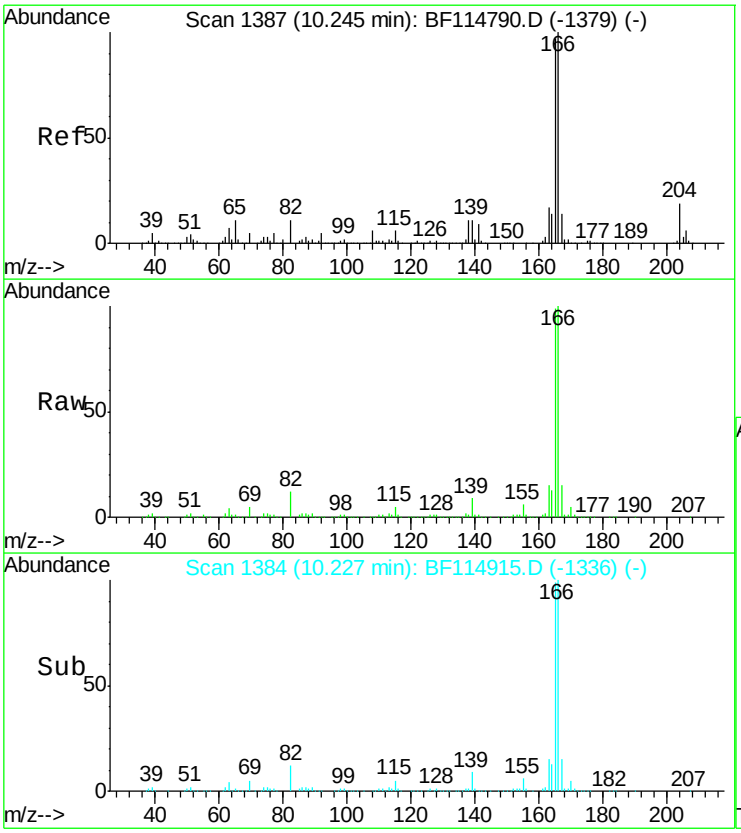
#55
Dibenzofuran
Concen: 7.282 ng
RT: 9.89 min Scan# 1326
Delta R.T. -0.02 min
Lab File: BF114915.D
Acq: 8 Jun 2019 2:44

Instrument :
BNA_F
ClientSampleId :
S-7B

Tgt Ion:168 Resp: 327245

Ion	Ratio	Lower	Upper
168	100		
139	38.4	33.8	50.6
169	14.3	11.9	17.9

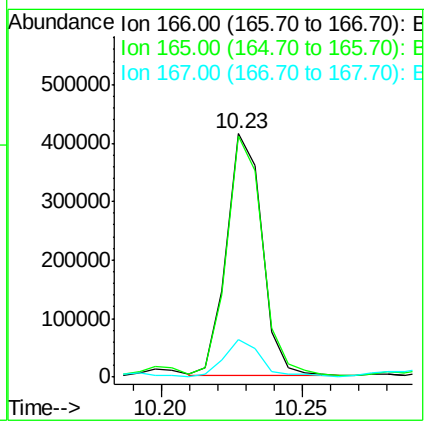


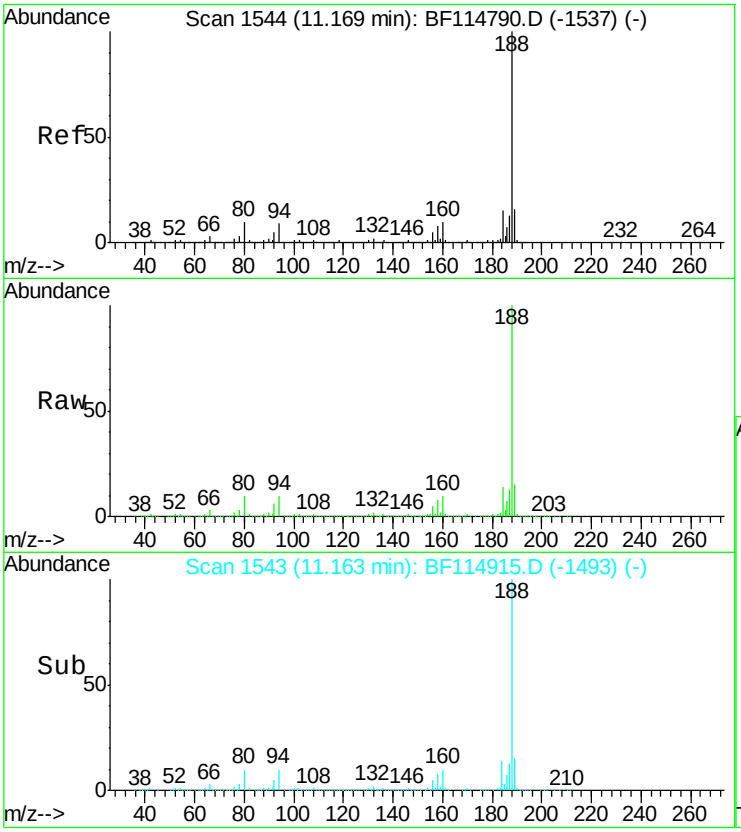


#58
Fluorene
Concen: 4.255 ng
RT: 10.23 min Scan# 1384
Delta R.T. -0.02 min
Lab File: BF114915.D
Acq: 8 Jun 2019 2:44

Tgt Ion:166 Resp: 362641

Ion	Ratio	Lower	Upper
166	100		
165	98.8	77.9	116.9
167	15.5	11.3	16.9



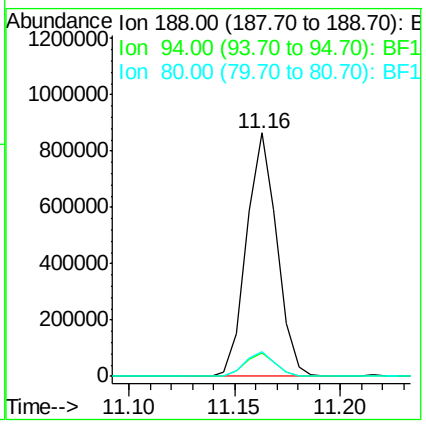


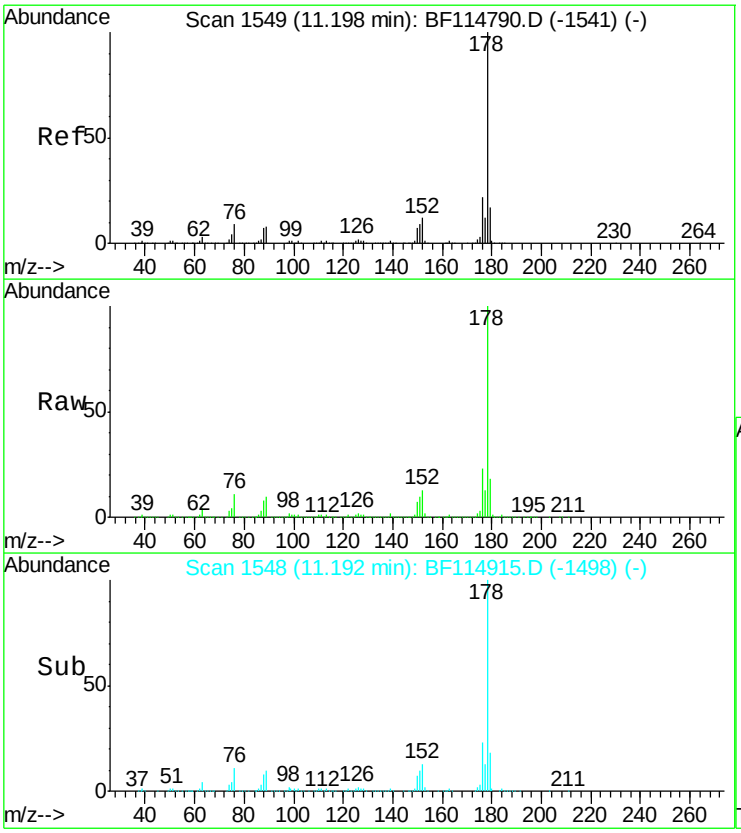
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.16 min Scan# 1543
Delta R.T. -0.01 min
Lab File: BF114915.D
Acq: 8 Jun 2019 2:44

Instrument :
BNA_F
ClientSampleId :
S-7B

Tgt Ion:188 Resp: 859181

Ion	Ratio	Lower	Upper
188	100		
94	9.9	7.6	11.4
80	10.2	8.3	12.5

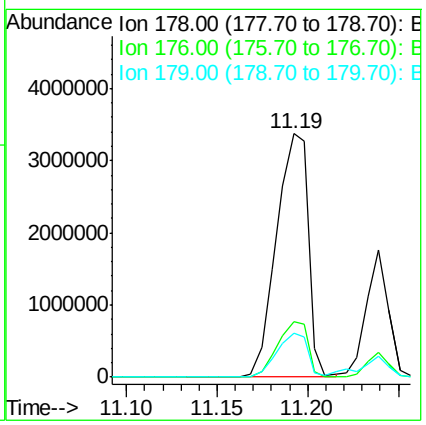


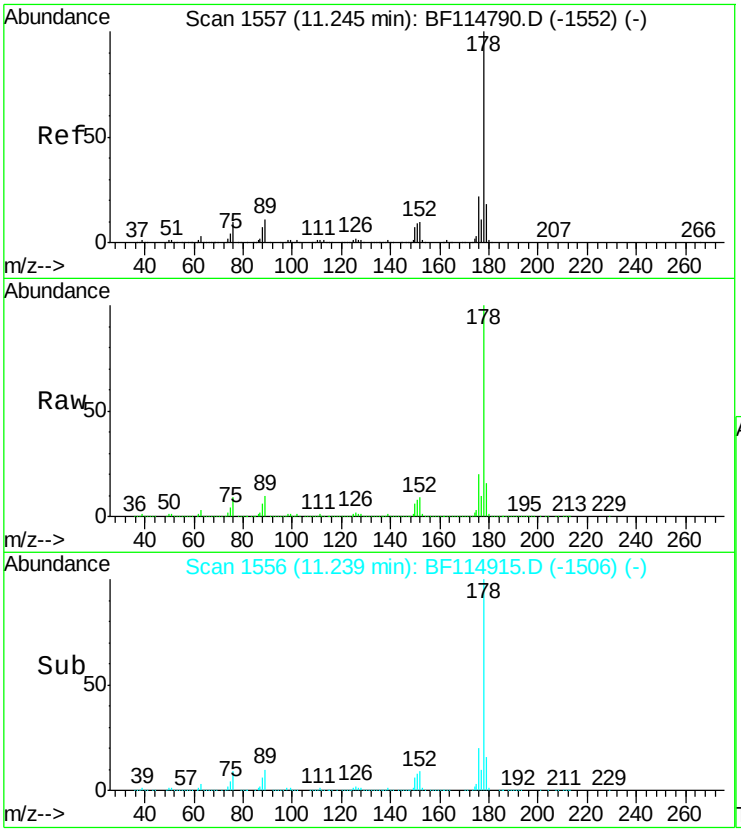


#71
Phenanthrene
Concen: 100.750 ng
RT: 11.19 min Scan# 1548
Delta R.T. -0.01 min
Lab File: BF114915.D
Acq: 8 Jun 2019 2:44

Tgt Ion:178 Resp: 4132414

Ion	Ratio	Lower	Upper
178	100		
176	22.5	17.7	26.5
179	18.1	13.7	20.5



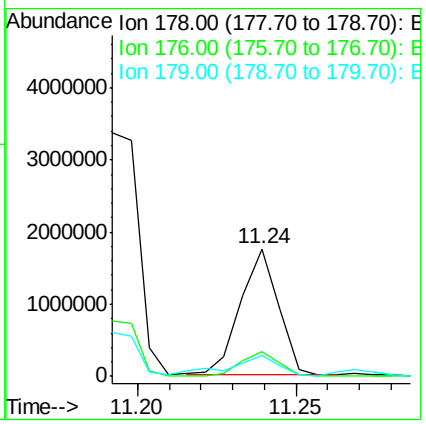


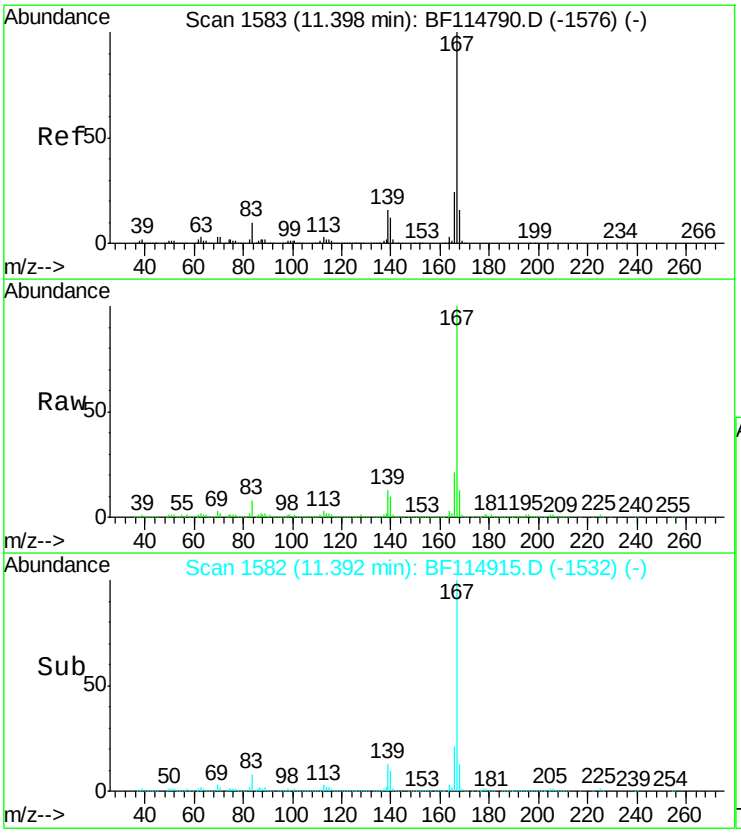
#72
Anthracene
Concen: 33.620 ng
RT: 11.24 min Scan# 1556
Delta R.T. -0.01 min
Lab File: BF114915.D
Acq: 8 Jun 2019 2:44

Instrument :
BNA_F
ClientSampleId :
S-7B

Tgt Ion:178 Resp: 1451244

Ion	Ratio	Lower	Upper
178	100		
176	19.7	17.4	26.0
179	16.3	14.2	21.4

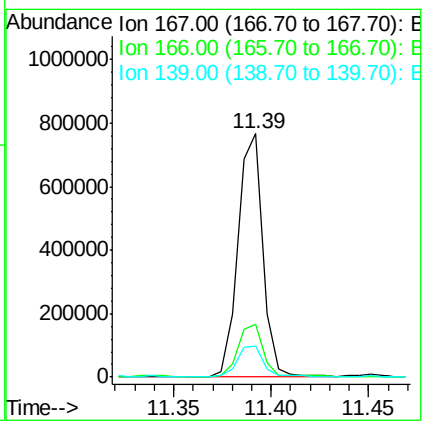


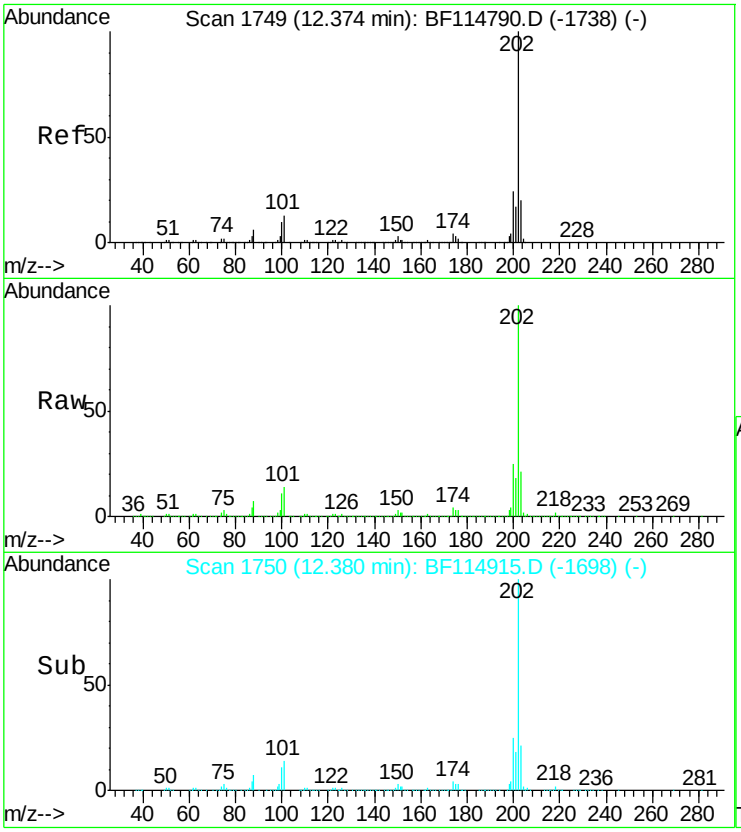


#73
Carbazole
Concen: 18.260 ng
RT: 11.39 min Scan# 1582
Delta R.T. -0.01 min
Lab File: BF114915.D
Acq: 8 Jun 2019 2:44

Tgt Ion:167 Resp: 675699

Ion	Ratio	Lower	Upper
167	100		
166	21.5	19.1	28.7
139	12.9	12.4	18.6



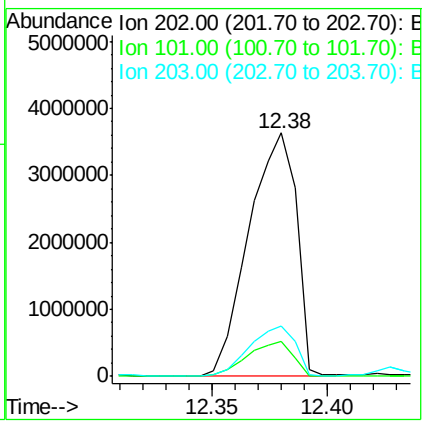


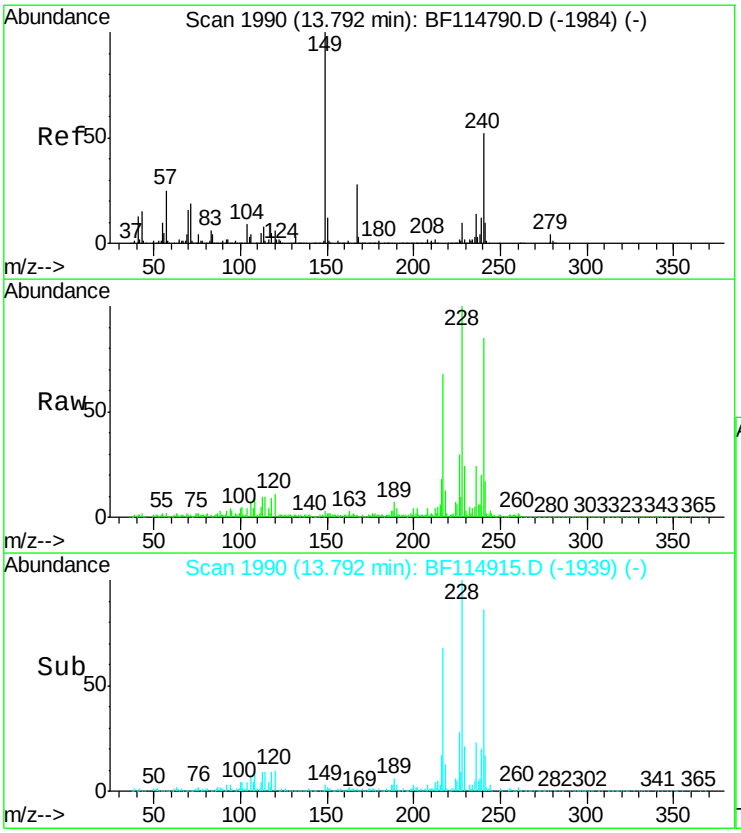
#75
Fluoranthene
Concen: 121.480 ng
RT: 12.38 min Scan# 1750
Delta R.T. 0.01 min
Lab File: BF114915.D
Acq: 8 Jun 2019 2:44

Instrument :
BNA_F
ClientSampleId :
S-7B

Tgt Ion:202 Resp: 5186010

Ion	Ratio	Lower	Upper
202	100		
101	14.3	0.0	32.8
203	20.9	0.2	40.2

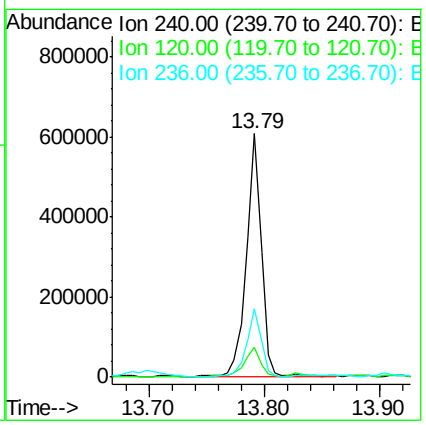


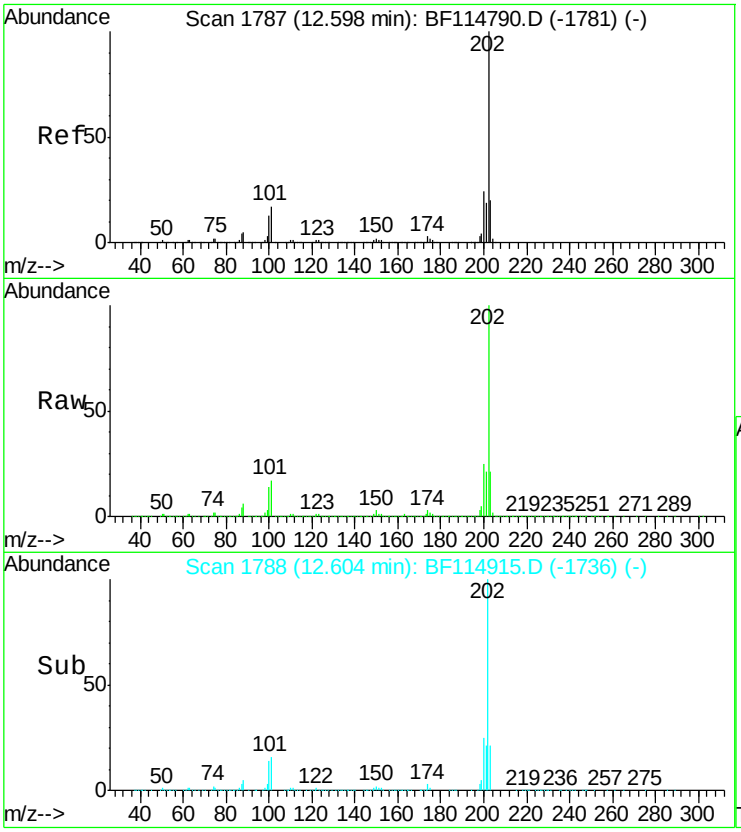


#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.79 min Scan# 1990
Delta R.T. -0.00 min
Lab File: BF114915.D
Acq: 8 Jun 2019 2:44

Tgt Ion:240 Resp: 537386

Ion	Ratio	Lower	Upper
240	100		
120	12.4	9.0	13.4
236	27.9	21.4	32.0



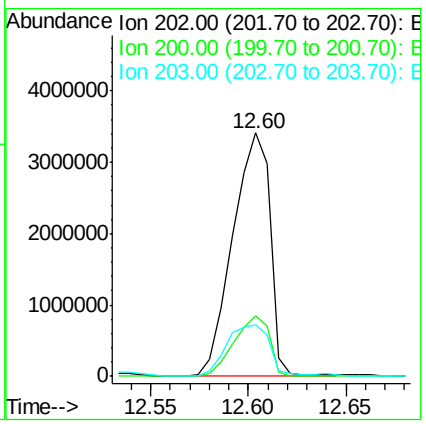


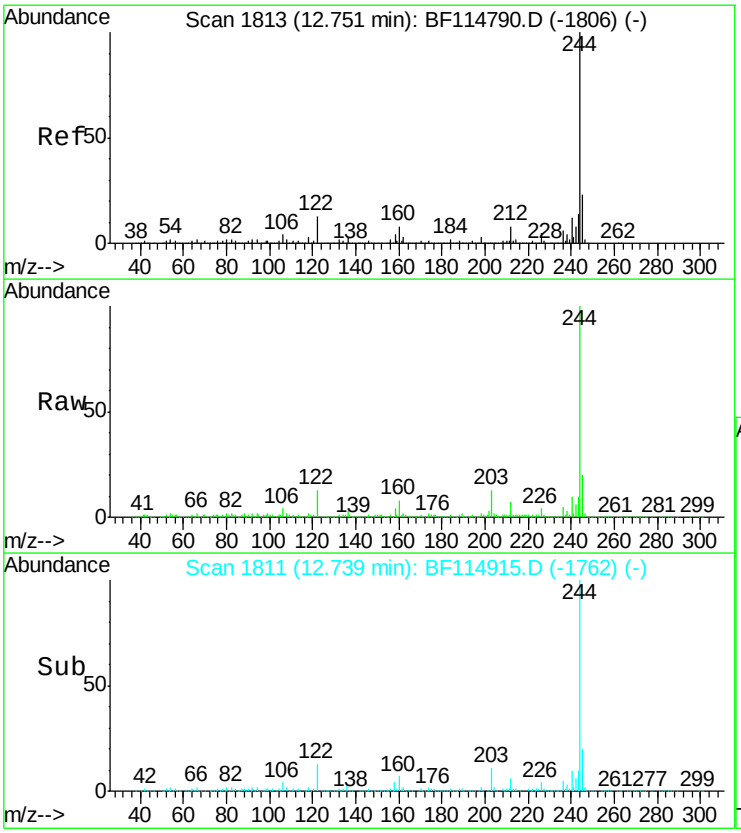
#78
Pyrene
Concen: 96.455 ng
RT: 12.60 min Scan# 1788
Delta R.T. 0.01 min
Lab File: BF114915.D
Acq: 8 Jun 2019 2:44

Instrument :
BNA_F
ClientSampleId :
S-7B

Tgt Ion:202 Resp: 4496595

Ion	Ratio	Lower	Upper
202	100		
200	25.0	19.2	28.8
203	21.0	15.9	23.9

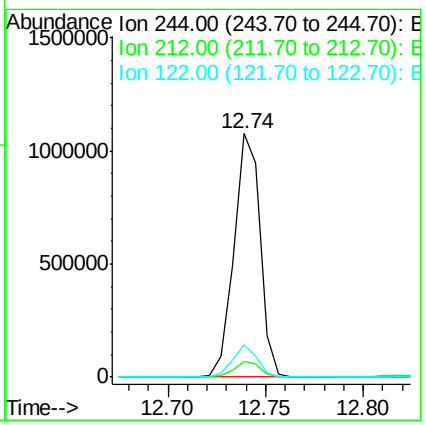


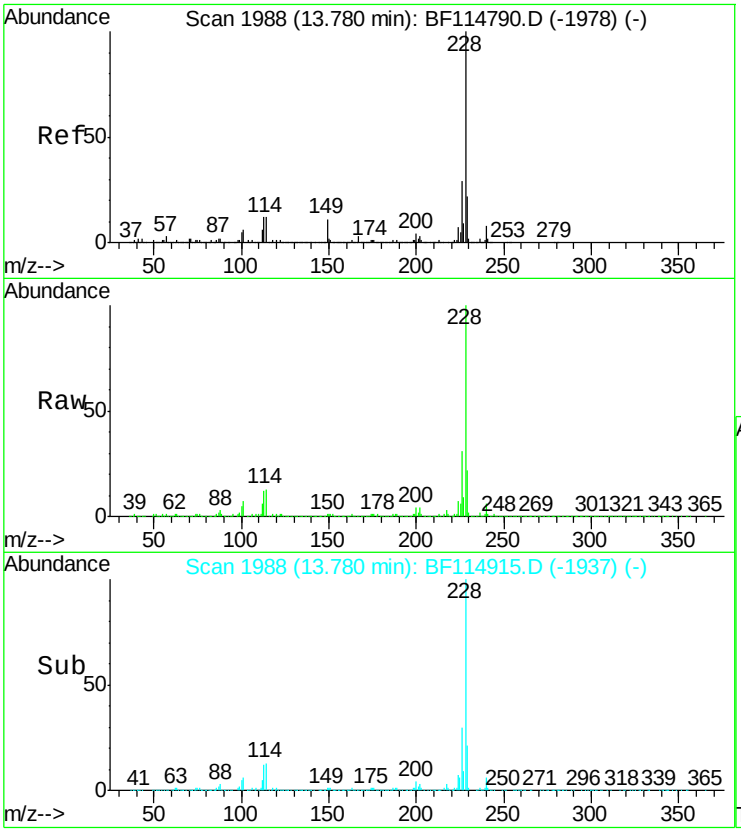


#79
Terphenyl-d14
Concen: 35.887 ng
RT: 12.74 min Scan# 1811
Delta R.T. -0.01 min
Lab File: BF114915.D
Acq: 8 Jun 2019 2:44

Tgt Ion:244 Resp: 991642

Ion	Ratio	Lower	Upper
244	100		
212	6.6	6.5	9.7
122	13.4	10.5	15.7



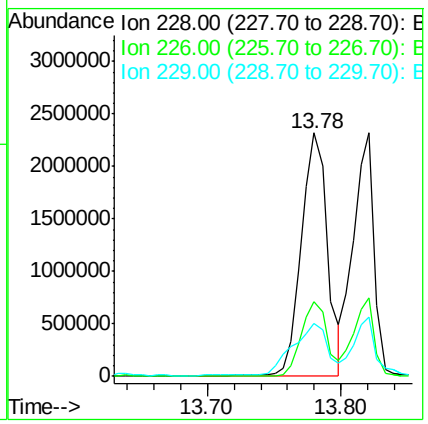


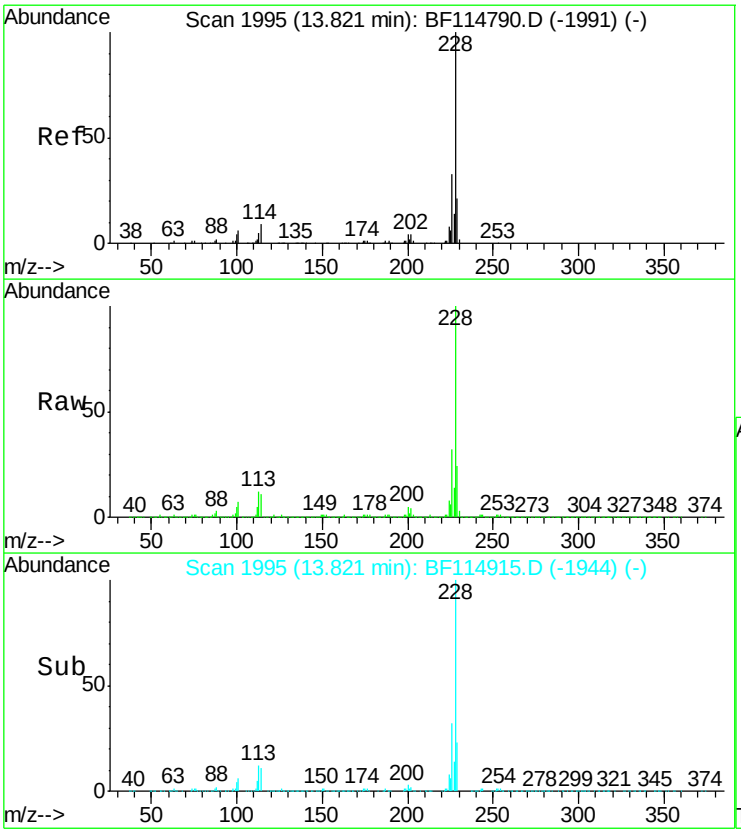
#81
Benzo(a)anthracene
Concen: 75.227 ng
RT: 13.78 min Scan# 1988
Delta R.T. -0.00 min
Lab File: BF114915.D
Acq: 8 Jun 2019 2:44

Instrument :
BNA_F
ClientSampleId :
S-7B

Tgt Ion:228 Resp: 3115222

Ion	Ratio	Lower	Upper
228	100		
226	30.5	23.4	35.2
229	21.9	17.4	26.0

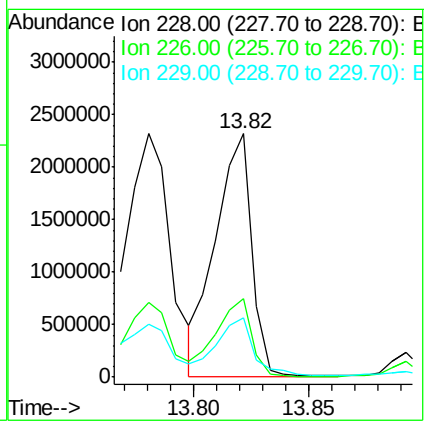


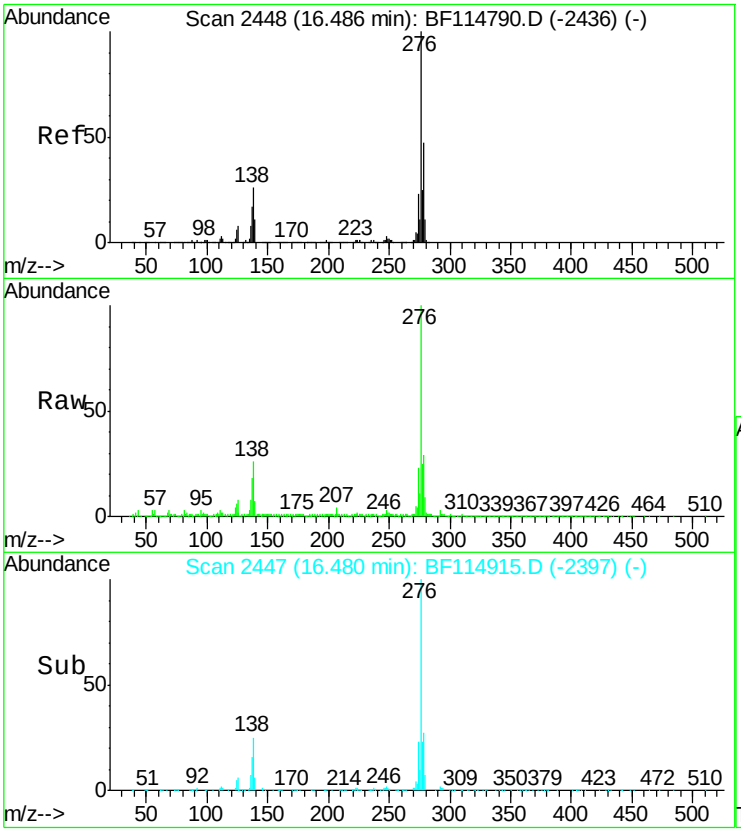


#83
Chrysene
Concen: 62.694 ng
RT: 13.82 min Scan# 1995
Delta R.T. -0.00 min
Lab File: BF114915.D
Acq: 8 Jun 2019 2:44

Tgt Ion:228 Resp: 2525624

Ion	Ratio	Lower	Upper
228	100		
226	32.1	26.0	39.0
229	24.4	17.1	25.7



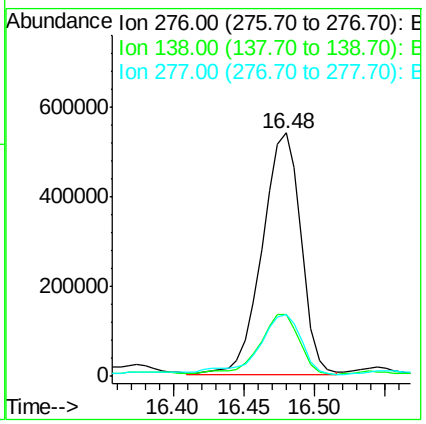


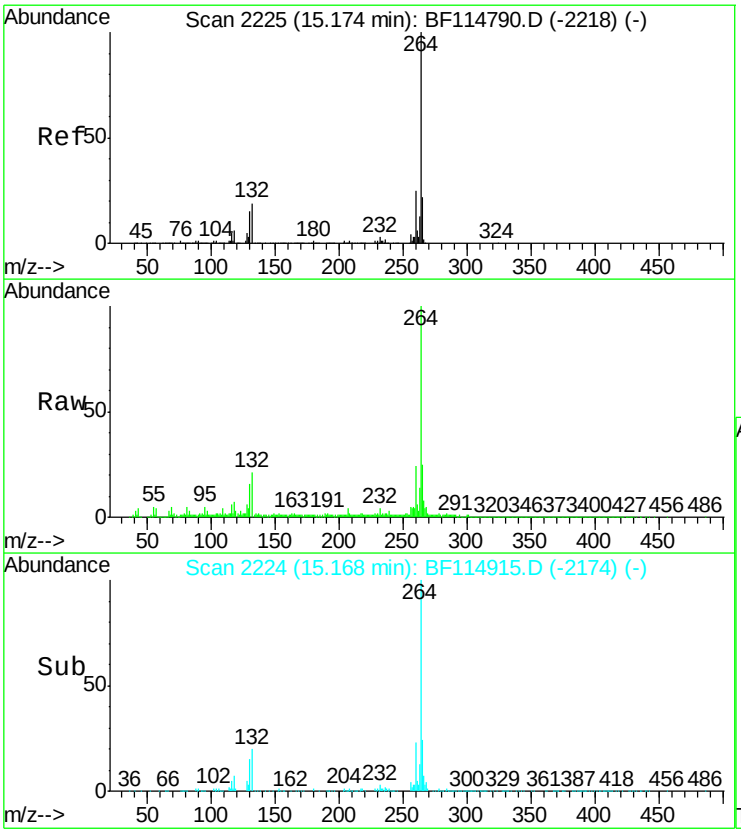
#86
Indeno(1,2,3-cd)pyrene
Concen: 22.448 ng
RT: 16.48 min Scan# 2447
Delta R.T. -0.01 min
Lab File: BF114915.D
Acq: 8 Jun 2019 2:44

Instrument :
BNA_F
ClientSampleId :
S-7B

Tgt Ion:276 Resp: 1031820

Ion	Ratio	Lower	Upper
276	100		
138	25.9	22.2	33.4
277	27.3	20.6	30.8

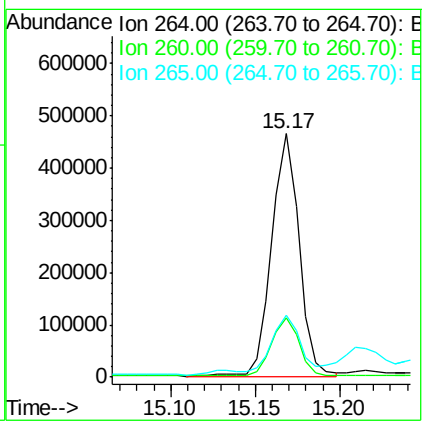


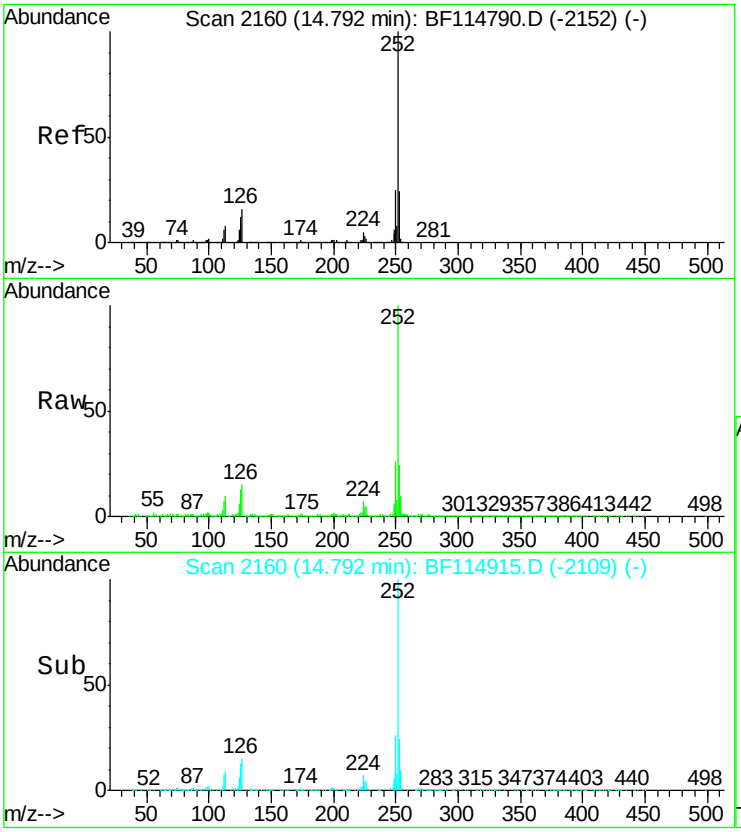


#87
Perylene-d12
Concen: 20.000 ng
RT: 15.17 min Scan# 2224
Delta R.T. -0.01 min
Lab File: BF114915.D
Acq: 8 Jun 2019 2:44

Tgt Ion:264 Resp: 524555

Ion	Ratio	Lower	Upper
264	100		
260	24.2	20.1	30.1
265	25.3	17.7	26.5



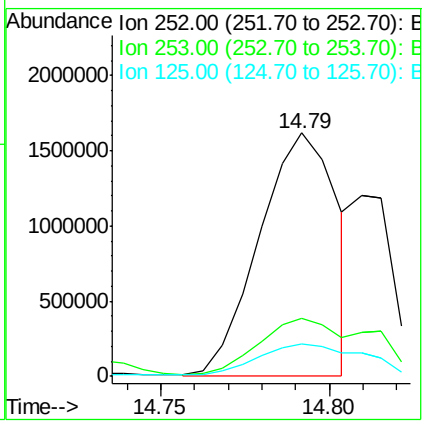


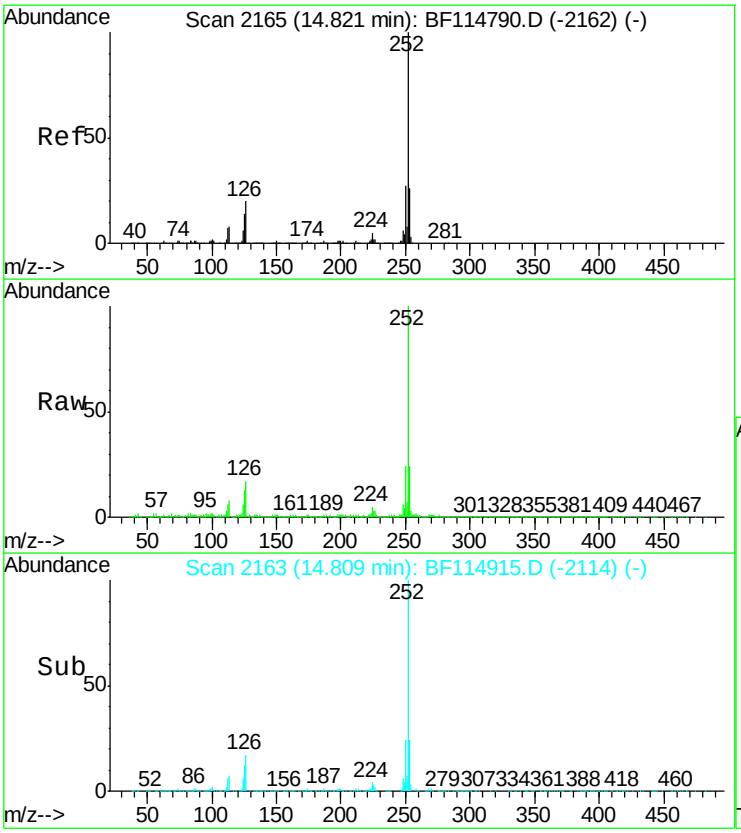
#88
Benzo(b)fluoranthene
Concen: 77.751 ng m
RT: 14.79 min Scan# 2160
Delta R.T. -0.00 min
Lab File: BF114915.D
Acq: 8 Jun 2019 2:44

Instrument :
BNA_F
ClientSampleId :
S-7B

Tgt Ion:252 Resp: 2596403

Ion	Ratio	Lower	Upper
252	100		
253	24.0	19.0	28.6
125	13.1	9.4	14.0

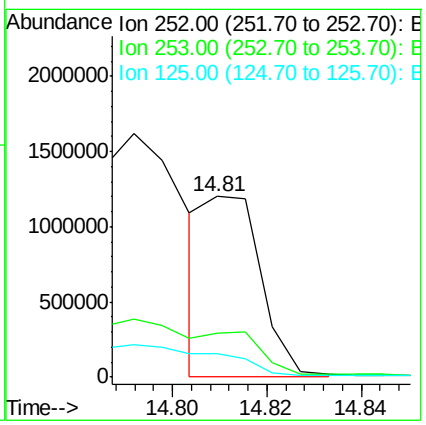


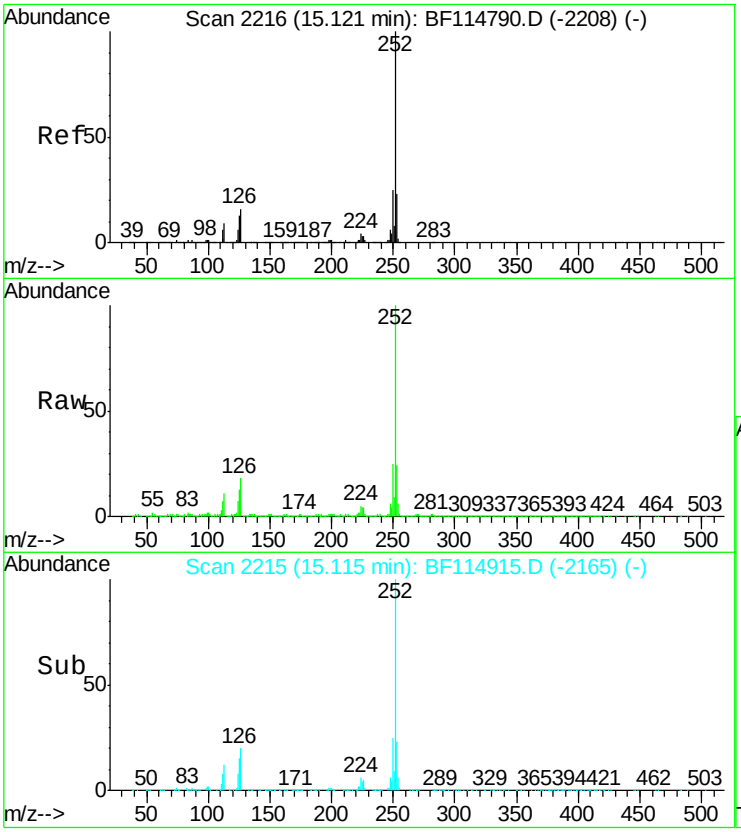


#89
Benzo(k)fluoranthene
Concen: 34.633 ng m
RT: 14.81 min Scan# 2163
Delta R.T. -0.01 min
Lab File: BF114915.D
Acq: 8 Jun 2019 2:44

Tgt Ion:252 Resp: 982153

Ion	Ratio	Lower	Upper
252	100		
253	24.4	19.3	28.9
125	12.9	10.1	15.1



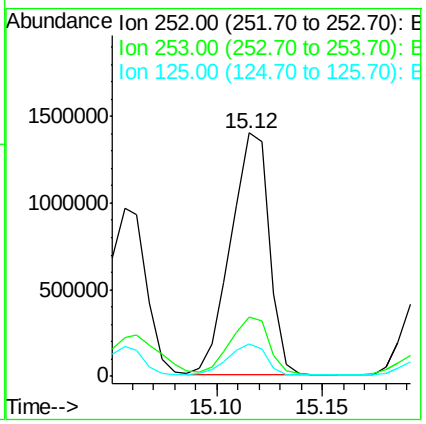


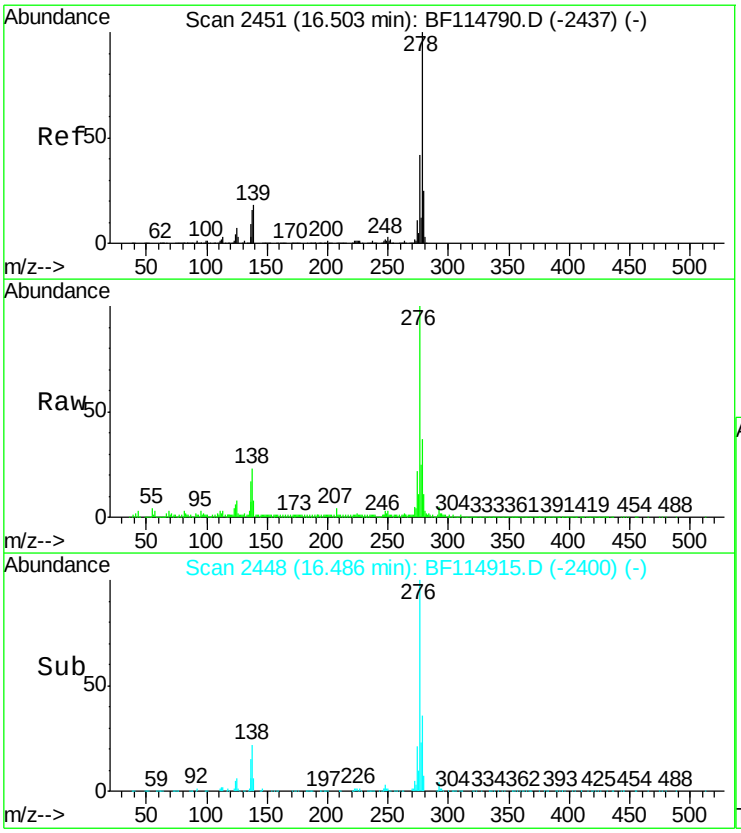
#90
Benzo(a)pyrene
Concen: 61.215 ng
RT: 15.12 min Scan# 2215
Delta R.T. -0.01 min
Lab File: BF114915.D
Acq: 8 Jun 2019 2:44

Instrument :
BNA_F
ClientSampleId :
S-7B

Tgt Ion:252 Resp: 1769334

Ion	Ratio	Lower	Upper
252	100		
253	24.4	18.5	27.7
125	13.3	10.1	15.1

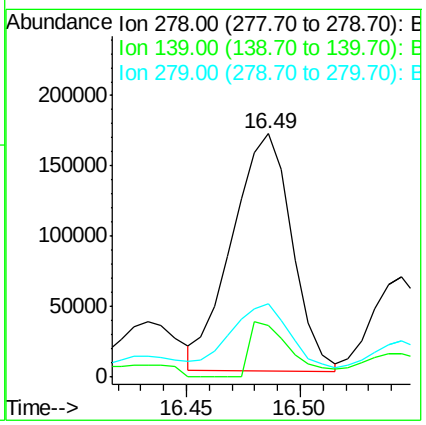


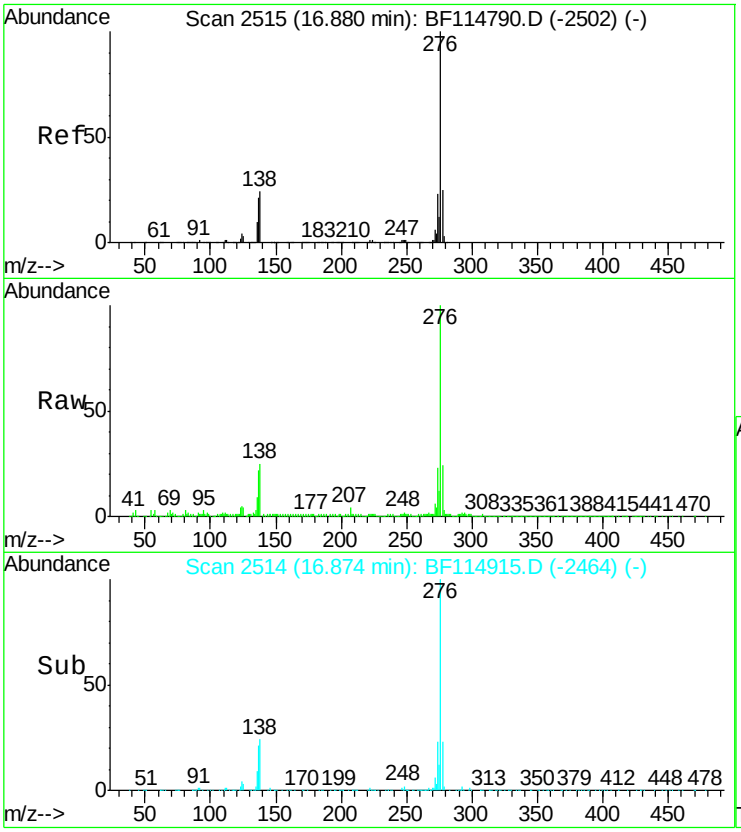


#91
Dibenzo(a,h)anthracene
Concen: 11.207 ng m
RT: 16.49 min Scan# 2448
Delta R.T. -0.02 min
Lab File: BF114915.D
Acq: 8 Jun 2019 2:44

Tgt Ion:278 Resp: 306771

Ion	Ratio	Lower	Upper
278	100		
139	21.0	14.6	22.0
279	30.3	20.1	30.1#





#92
Benzo(g,h,i)perylene
Concen: 32.886 ng
RT: 16.87 min Scan# 2514
Delta R.T. -0.01 min
Lab File: BF114915.D
Acq: 8 Jun 2019 2:44

Instrument :
BNA_F
ClientSampleId :
S-7B

Tgt Ion:276 Resp: 905223

Ion	Ratio	Lower	Upper
276	100		
277	24.2	19.8	29.6
138	25.2	19.4	29.2