Quantitation Report (LSC Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF061419\
Data File : BF115056.D
Acq On : 14 Jun 2019 22:37
Operator : HP/JU
Sample : K3351-07
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : RT-3860

Quant Time: Jun 15 06:34:54 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF061219.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jun 12 15:42:37 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.65	152	329071	20.00	ng		0.00
21) Naphthalene-d8	7.93	136	1244959	20.00	ng		0.00
39) Acenaphthene-d10	9.67	164	580157	20.00	ng		0.00
64) Phenanthrene-d10	11.16	188	968115	20.00	ng		0.00
76) Chrysene-d12	13.78	240	501033	20.00	ng		0.00
87) Perylene-d12	15.15	264	582027	20.00	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.26	112	2245791	113.96	ng		0.00
7) Phenol-d6	6.30	99	2794674	117.56	ng		0.00
23) Nitrobenzene-d5	7.22	82	1710706	82.71	ng		0.00
42) 2,4,6-Tribromophenol	10.46	330	613303	98.72	ng		0.00
45) 2-Fluorobiphenyl	9.00	172	2341485	68.40	ng		0.00
79) Terphenyl-d14	12.73	244	1975210	74.15	ng		0.00
Target Compounds							Qvalue
37) 2-Methylnaphthalene	8.64	142	252287	6.422	ng		98
38) 1-Methylnaphthalene	8.73	142	195927	5.276	ng		98
46) 1,1'-Biphenyl	9.10	154	163926	3.526	ng		98
49) Acenaphthylene	9.53	152	132506	2.292	ng	#	95
50) Dimethylphthalate	9.40	163	847417	19.423	ng		99
52) Acenaphthene	9.72	154	2653627	80.242	ng		98
55) Dibenzofuran	9.88	168	2454581	49.248	ng		97
58) Fluorene	10.23	166	2827106	93.344	ng		98
71) Phenanthrene	11.20	178	7869118	157.429	ng		95
72) Anthracene	11.23	178	1537539	30.491	ng		100
73) Carbazole	11.38	167	128309	2.915	ng		98
75) Fluoranthene	12.39	202	7925632	155.064	ng		95
78) Pyrene	12.60	202	6140158	134.525	ng		94
81) Benzo(a)anthracene	13.77	228	2385465	63.623	ng		97
83) Chrysene	13.81	228	1979665	53.097	ng		97
86) Indeno(1,2,3-cd)pyrene	16.44	276	217526	6.642	ng		93
88) Benzo(b)fluoranthene	14.77	252	1516106m	39.185	ng		
89) Benzo(k)fluoranthene	14.79	252	521650m	15.360	ng		
90) Benzo(a)pyrene	15.09	252	791787	23.716	ng		100
91) Dibenzo(a,h)anthracene	16.45	278	63872	2.221	ng		92
92) Benzo(g,h,i)perylene	16.83	276	149735	5.106	ng		96

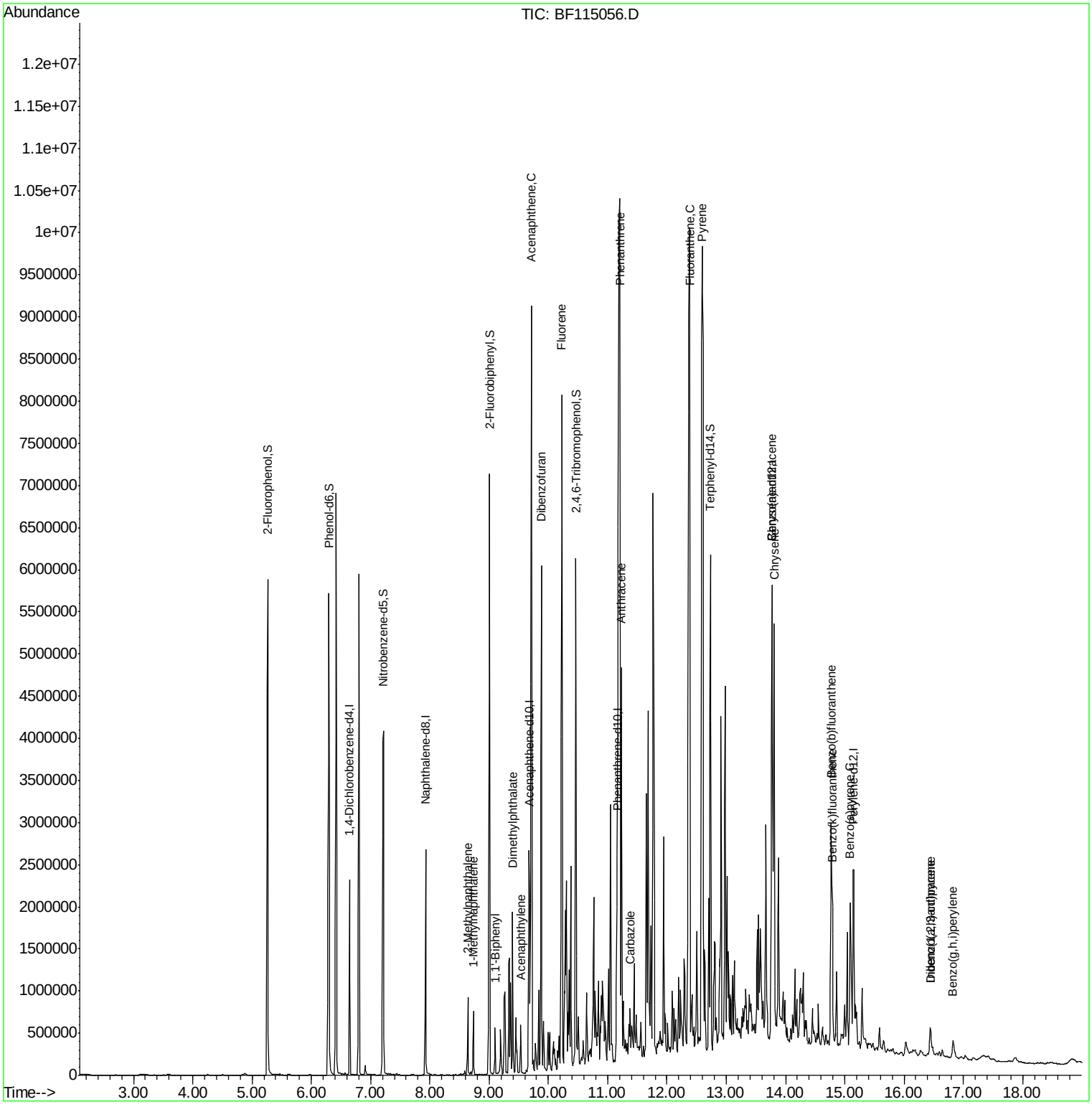
(#) = qualifier out of range (m) = manual integration (+) = signals summed

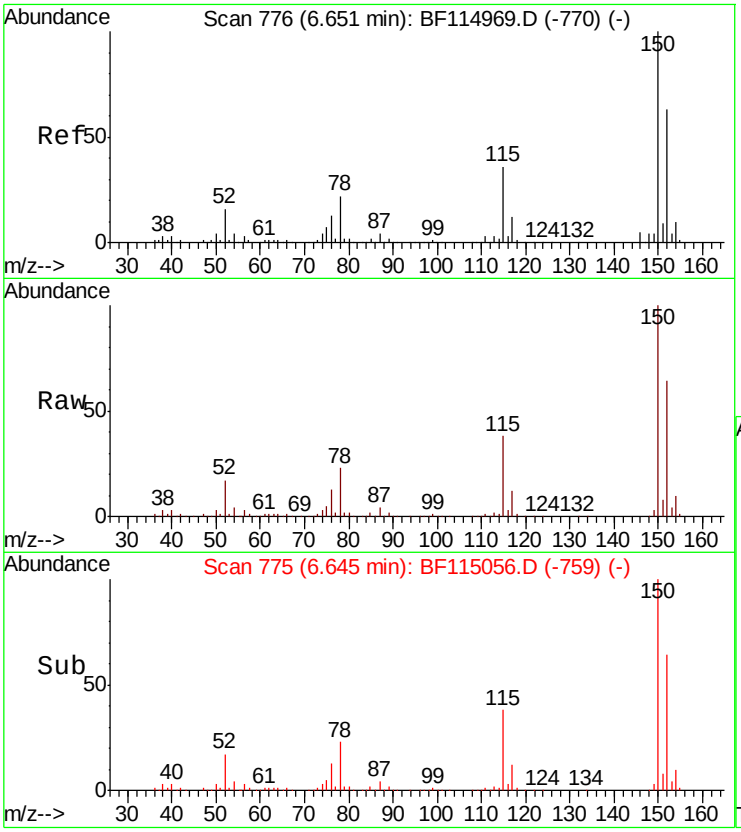
Quantitation Report (LSC Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF061419\
Data File : BF115056.D
Acq On : 14 Jun 2019 22:37
Operator : HP/JU
Sample : K3351-07
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
RT-3860

Quant Time: Jun 15 06:34:54 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF061219.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jun 12 15:42:37 2019
Response via : Initial Calibration



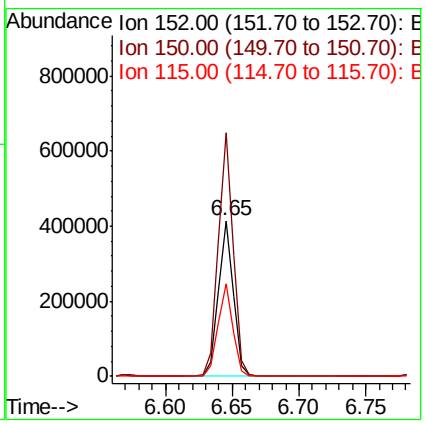


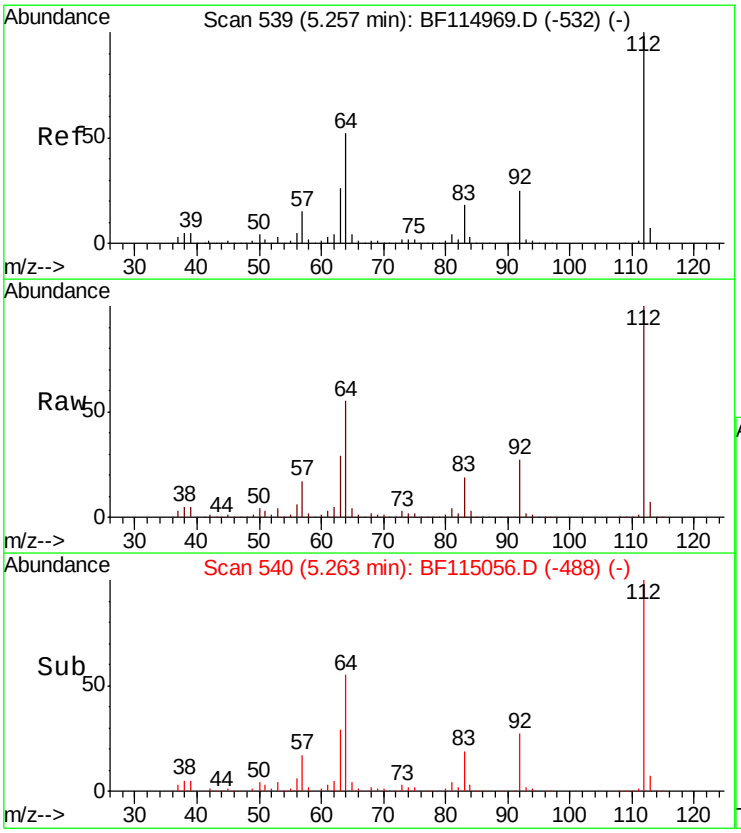
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.65 min Scan# 775
Delta R.T. -0.01 min
Lab File: BF115056.D
Acq: 14 Jun 2019 22:37

Instrument :
BNA_F
ClientSampleId :
RT-3860

Tgt Ion:152 Resp: 329071

Ion	Ratio	Lower	Upper
152	100		
150	156.5	127.4	191.0
115	59.2	46.0	69.0

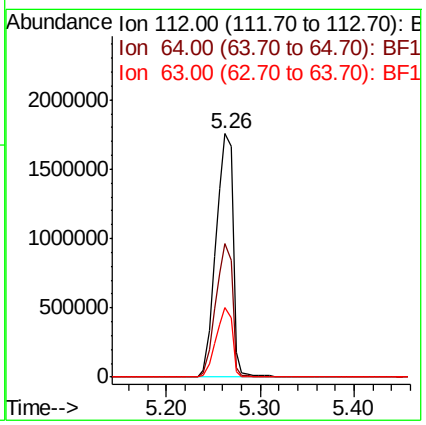


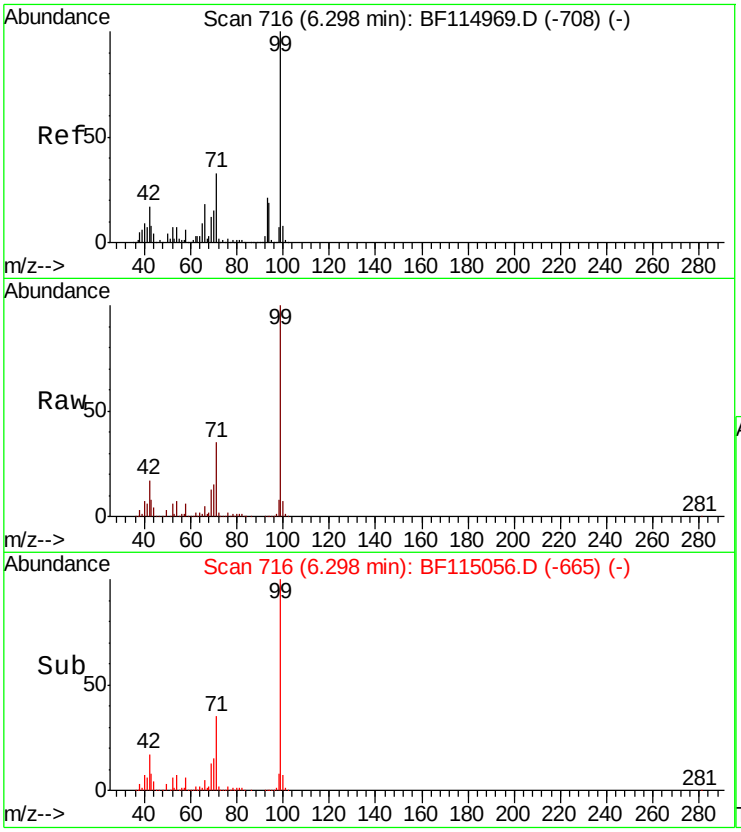


#5
2-Fluorophenol
Concen: 113.957 ng
RT: 5.26 min Scan# 540
Delta R.T. 0.01 min
Lab File: BF115056.D
Acq: 14 Jun 2019 22:37

Tgt Ion:112 Resp: 2245791

Ion	Ratio	Lower	Upper
112	100		
64	55.1	41.6	62.4
63	28.7	20.9	31.3



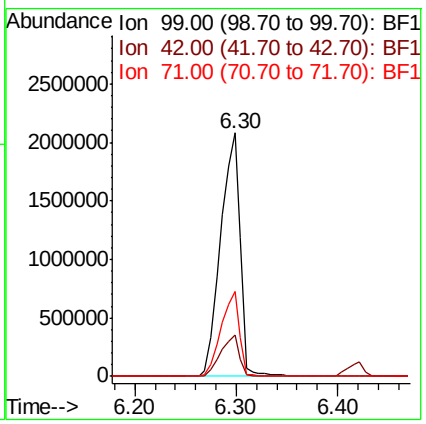


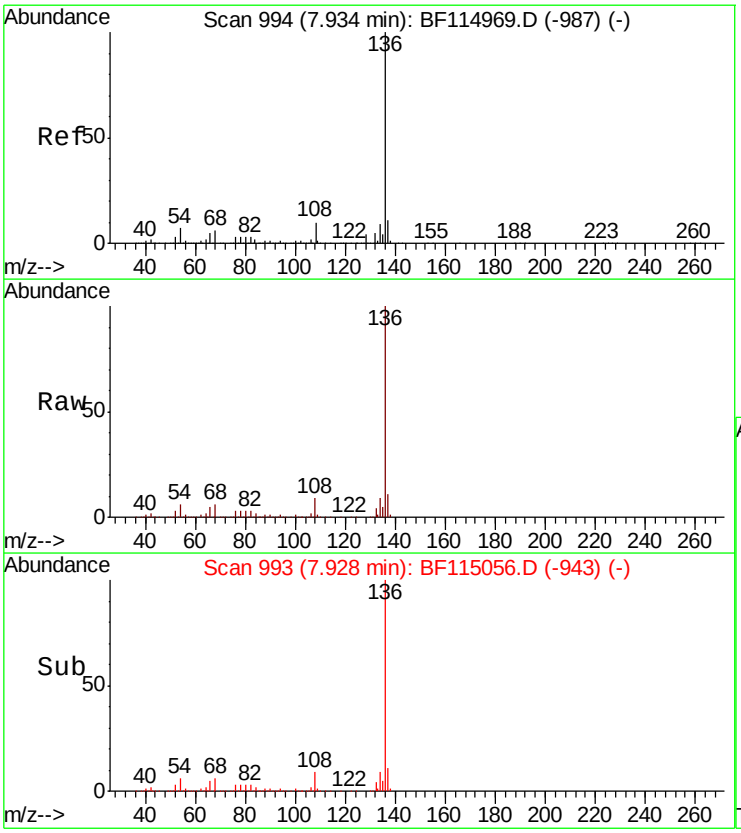
#7
Phenol-d6
Concen: 117.558 ng
RT: 6.30 min Scan# 716
Delta R.T. -0.00 min
Lab File: BF115056.D
Acq: 14 Jun 2019 22:37

Instrument :
BNA_F
ClientSampleId :
RT-3860

Tgt Ion: 99 Resp: 2794674

Ion	Ratio	Lower	Upper
99	100		
42	16.8	13.4	20.2
71	34.7	26.4	39.6

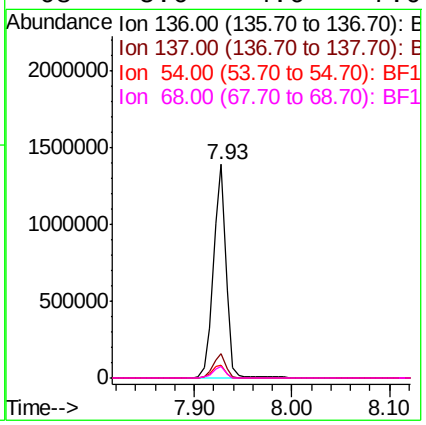


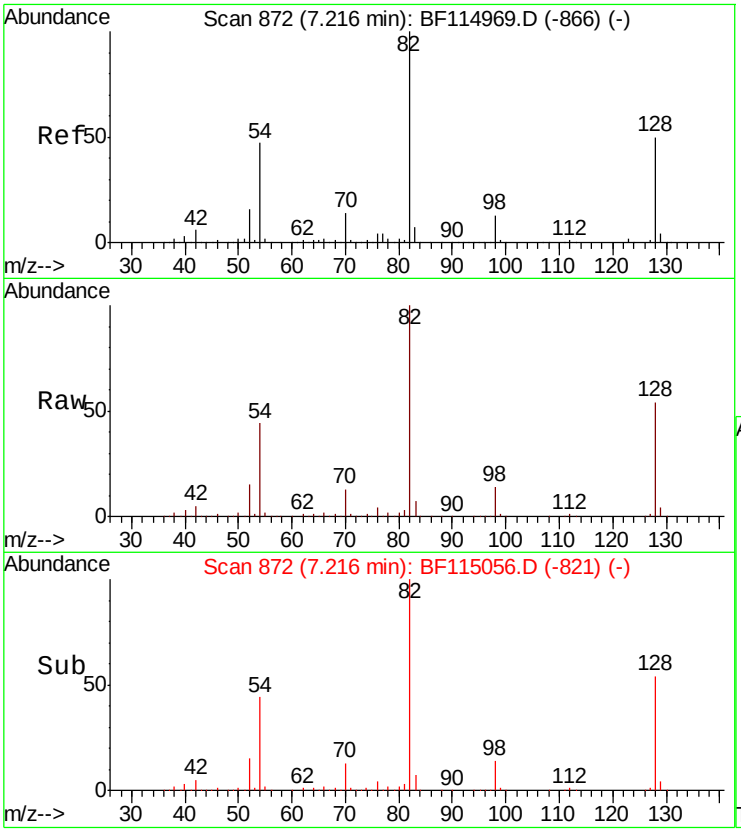


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 7.93 min Scan# 993
Delta R.T. -0.01 min
Lab File: BF115056.D
Acq: 14 Jun 2019 22:37

Tgt Ion:136 Resp: 1244959

Ion	Ratio	Lower	Upper
136	100		
137	11.3	9.0	13.4
54	6.3	5.4	8.0
68	5.6	4.6	7.0



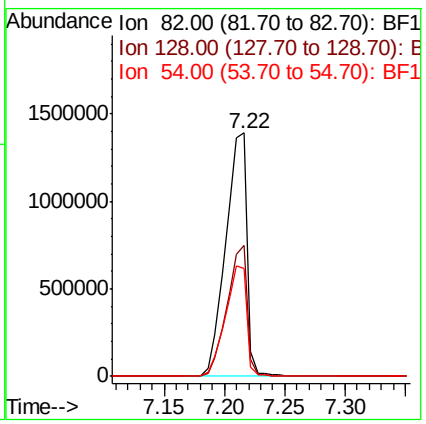


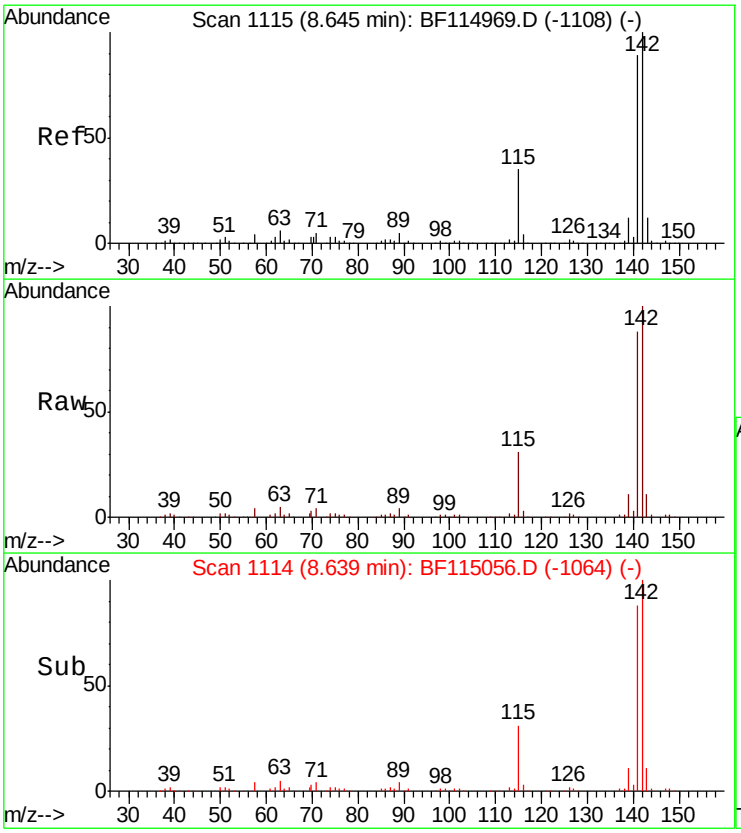
#23
Nitrobenzene-d5
Concen: 82.710 ng
RT: 7.22 min Scan# 872
Delta R.T. -0.00 min
Lab File: BF115056.D
Acq: 14 Jun 2019 22:37

Instrument :
BNA_F
ClientSampleId :
RT-3860

Tgt Ion: 82 Resp: 1710706

Ion	Ratio	Lower	Upper
82	100		
128	54.0	39.9	59.9
54	44.3	37.3	55.9

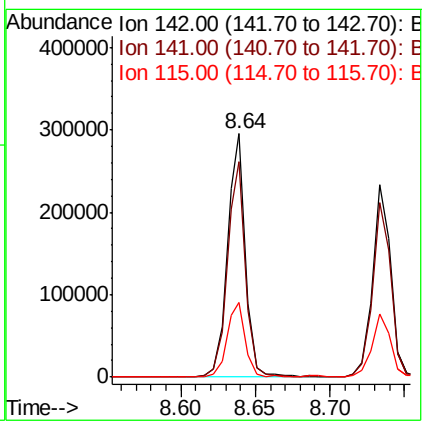


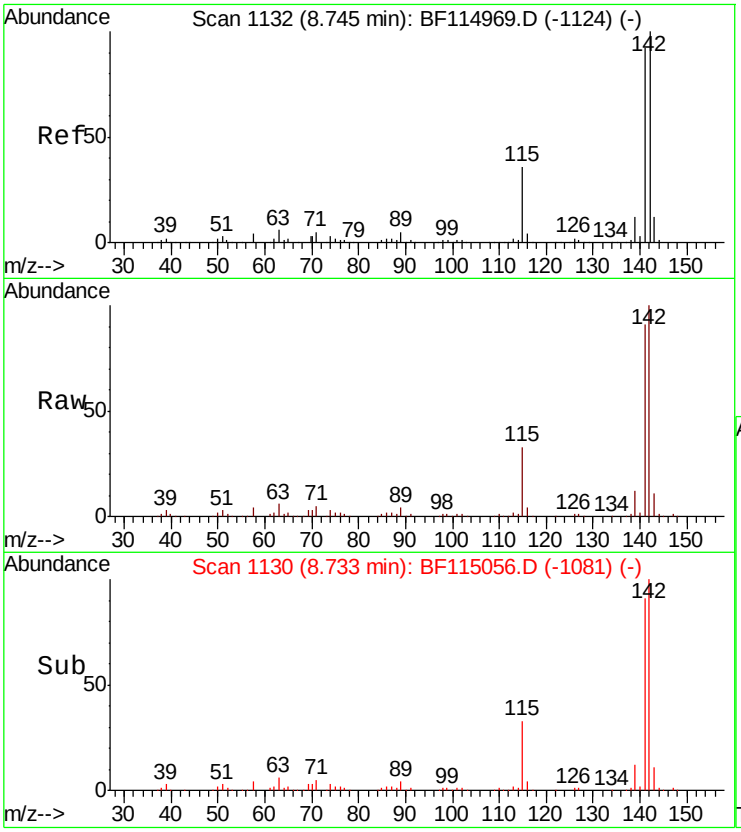


#37
2-Methylnaphthalene
Concen: 6.422 ng
RT: 8.64 min Scan# 1114
Delta R.T. -0.01 min
Lab File: BF115056.D
Acq: 14 Jun 2019 22:37

Tgt Ion:142 Resp: 252287

Ion	Ratio	Lower	Upper
142	100		
141	88.2	71.0	106.6
115	30.8	27.9	41.9



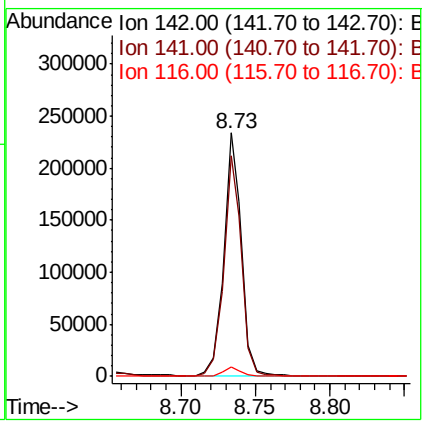


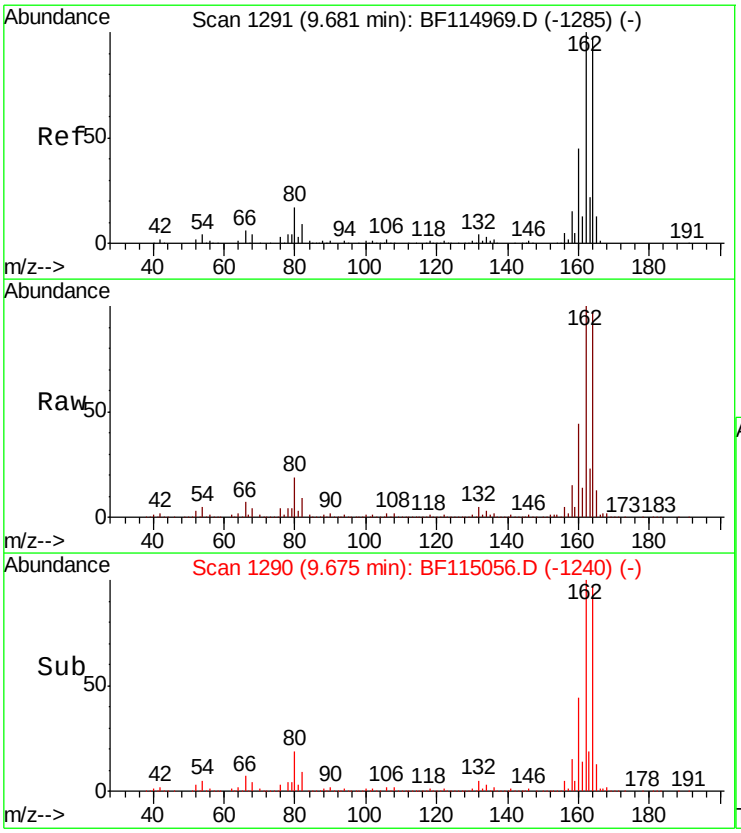
#38
1-Methylnaphthalene
Concen: 5.276 ng
RT: 8.73 min Scan# 1130
Delta R.T. -0.01 min
Lab File: BF115056.D
Acq: 14 Jun 2019 22:37

Instrument :
BNA_F
ClientSampleId :
RT-3860

Tgt Ion:142 Resp: 195927

Ion	Ratio	Lower	Upper
142	100		
141	90.6	73.8	110.8
116	3.7	2.9	4.3

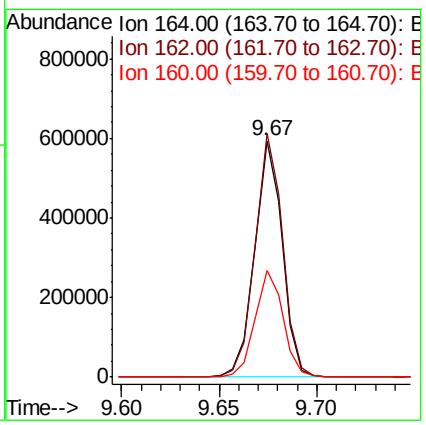


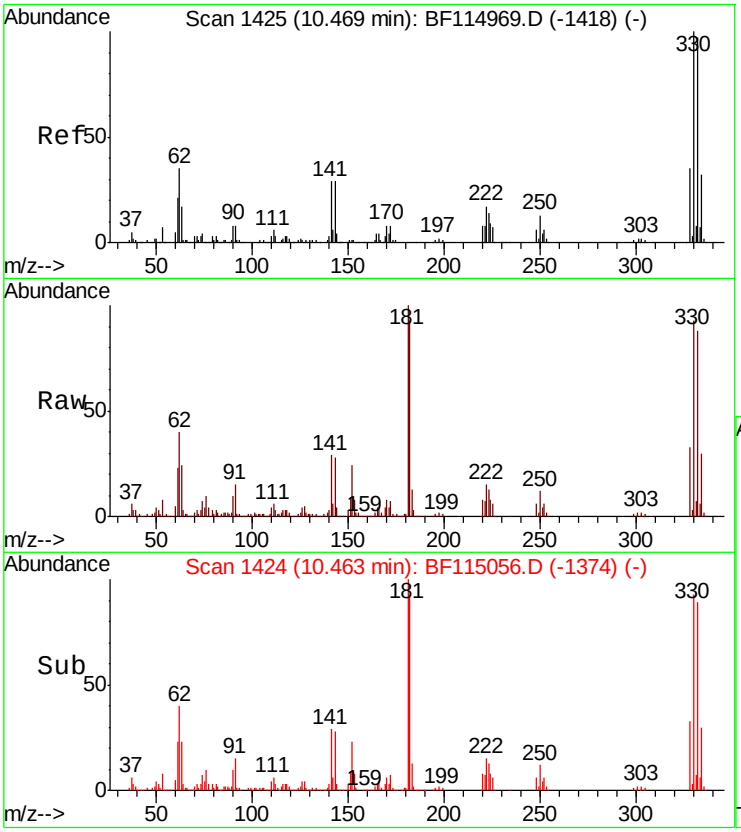


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.67 min Scan# 1290
Delta R.T. -0.01 min
Lab File: BF115056.D
Acq: 14 Jun 2019 22:37

Tgt Ion:164 Resp: 580157

Ion	Ratio	Lower	Upper
164	100		
162	103.1	82.6	124.0
160	45.4	36.9	55.3



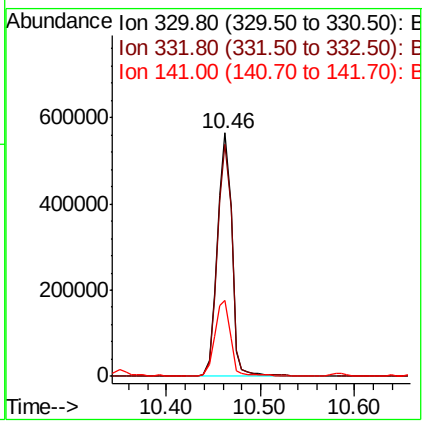


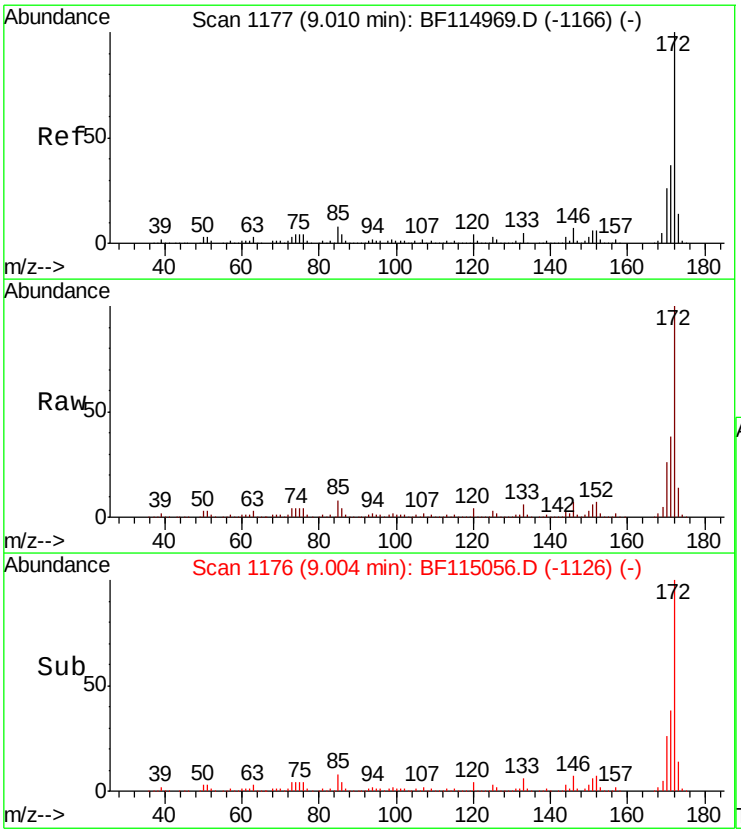
#42
2,4,6-Tribromophenol
Concen: 98.718 ng
RT: 10.46 min Scan# 1424
Delta R.T. -0.01 min
Lab File: BF115056.D
Acq: 14 Jun 2019 22:37

Instrument :
BNA_F
ClientSampleId :
RT-3860

Tgt Ion:330 Resp: 613303

Ion	Ratio	Lower	Upper
330	100		
332	97.4	77.6	116.4
141	33.7	27.2	40.8

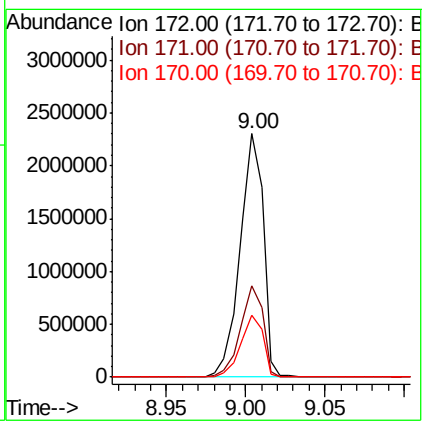


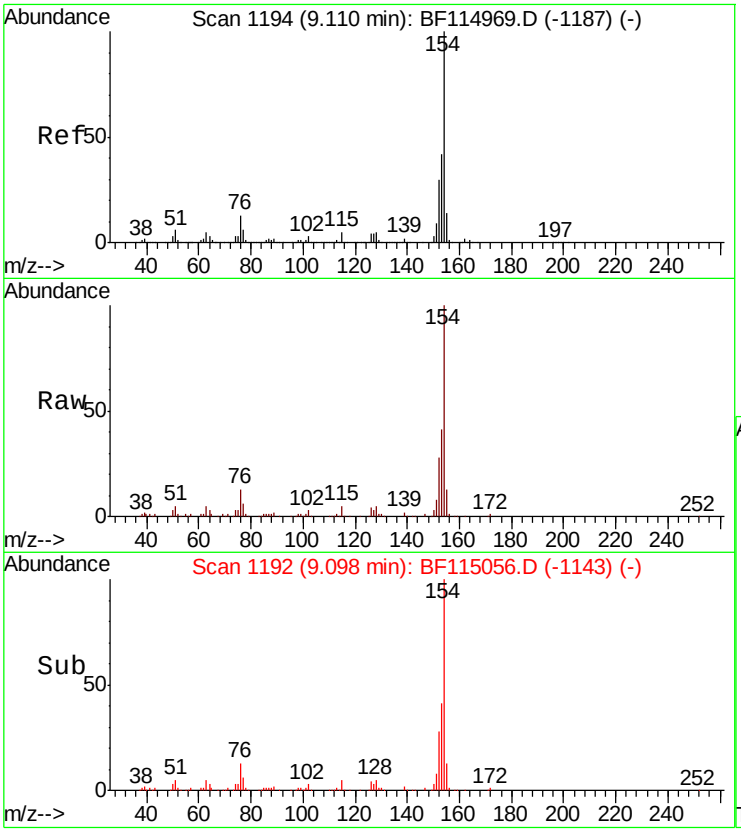


#45
2-Fluorobiphenyl
Concen: 68.403 ng
RT: 9.00 min Scan# 1176
Delta R.T. -0.01 min
Lab File: BF115056.D
Acq: 14 Jun 2019 22:37

Tgt Ion:172 Resp: 2341485

Ion	Ratio	Lower	Upper
172	100		
171	37.5	29.8	44.6
170	25.6	20.6	31.0



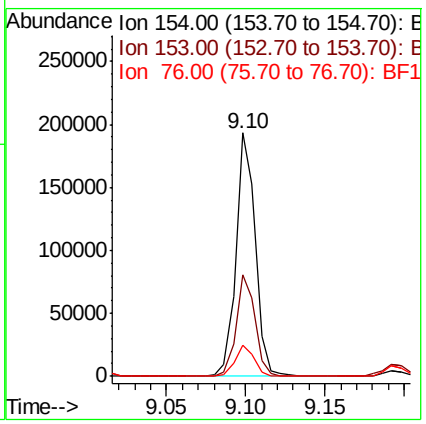


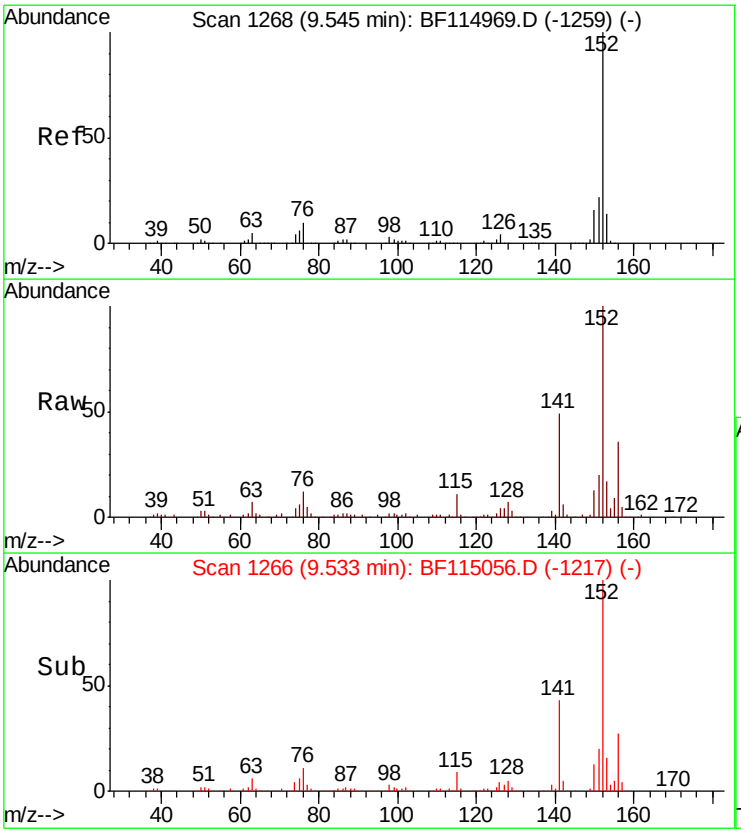
#46
1,1'-Biphenyl
Concen: 3.526 ng
RT: 9.10 min Scan# 1192
Delta R.T. -0.01 min
Lab File: BF115056.D
Acq: 14 Jun 2019 22:37

Instrument :
BNA_F
ClientSampleId :
RT-3860

Tgt Ion:154 Resp: 163926

Ion	Ratio	Lower	Upper
154	100		
153	41.5	22.4	62.4
76	12.6	0.0	33.3

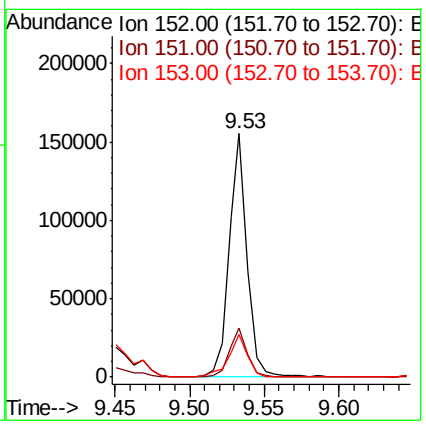


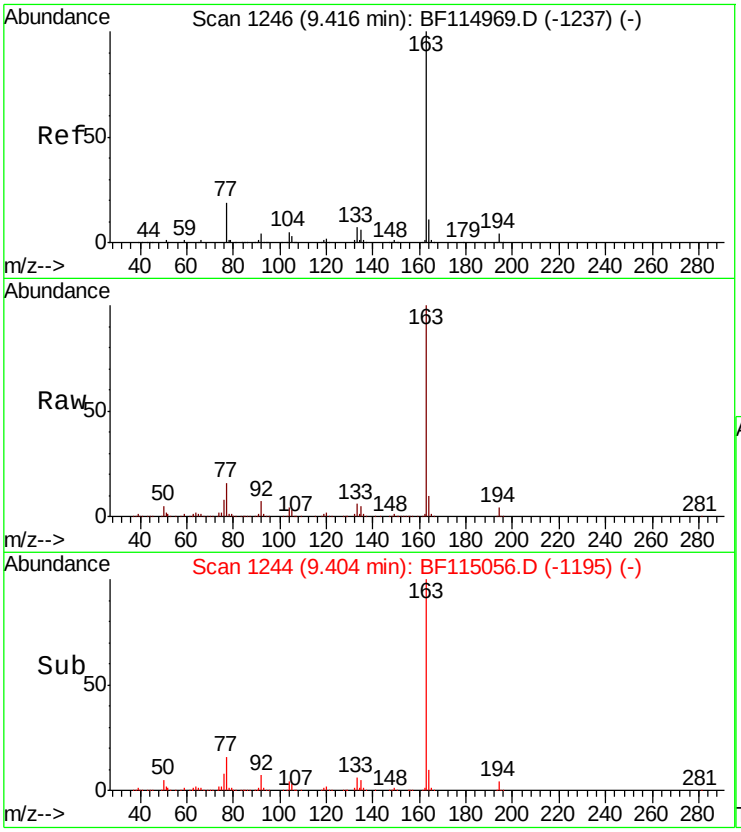


#49
Acenaphthylene
Concen: 2.292 ng
RT: 9.53 min Scan# 1266
Delta R.T. -0.01 min
Lab File: BF115056.D
Acq: 14 Jun 2019 22:37

Tgt Ion:152 Resp: 132506

Ion	Ratio	Lower	Upper
152	100		
151	20.2	17.5	26.3
153	17.3	11.2	16.8#

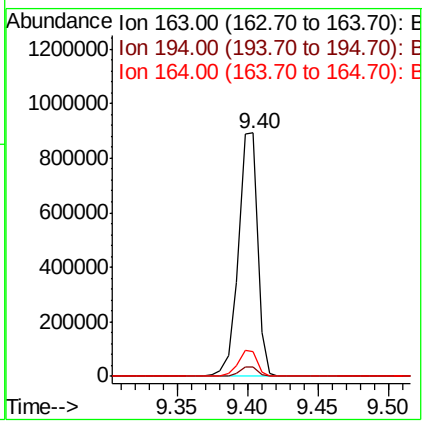




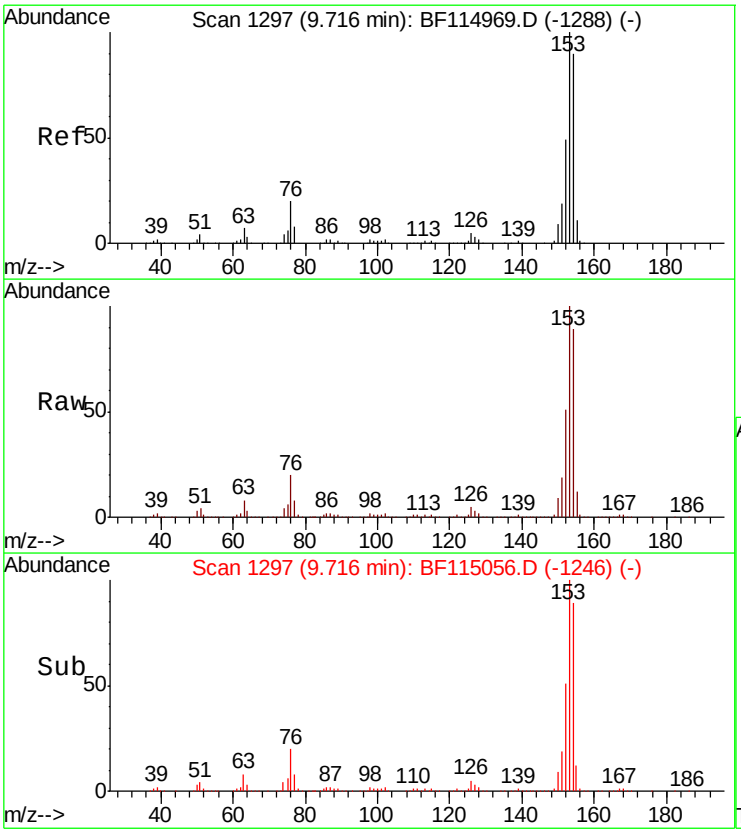
#50
Dimethylphthalate
Concen: 19.423 ng
RT: 9.40 min Scan# 1244
Delta R.T. -0.01 min
Lab File: BF115056.D
Acq: 14 Jun 2019 22:37

Tgt Ion:163 Resp: 847417

Ion	Ratio	Lower	Upper
163	100		
194	4.0	3.3	4.9
164	10.0	8.6	12.8



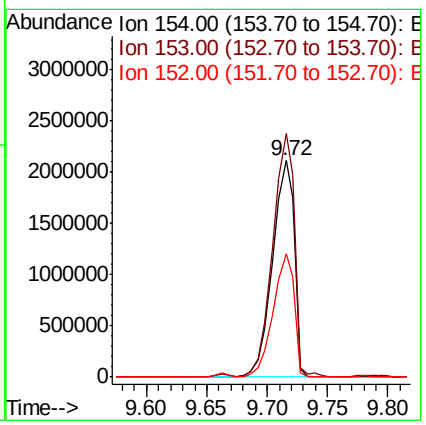
Instrument :
BNA_F
ClientSampleId :
RT-3860

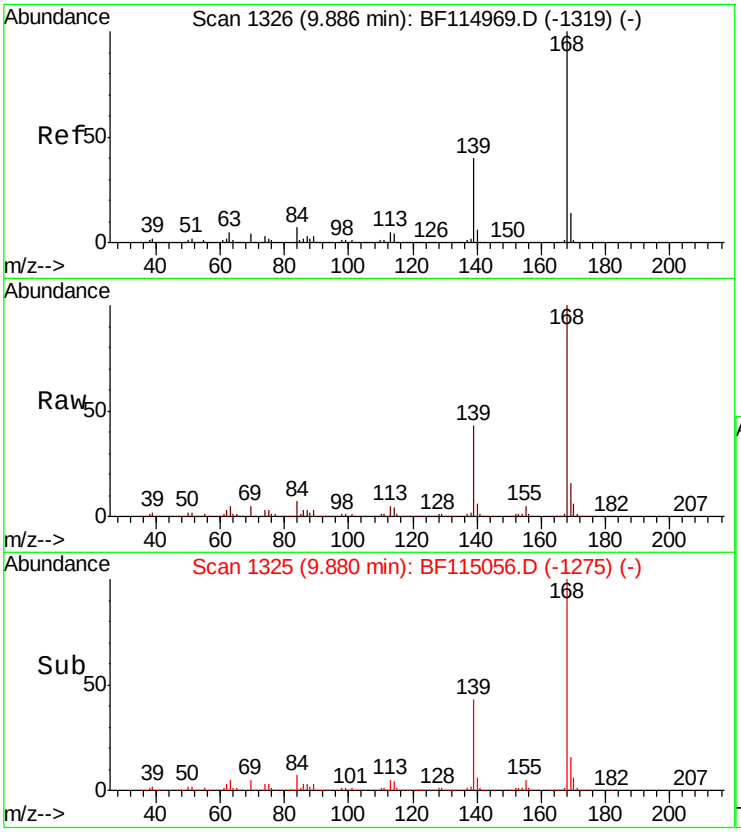


#52
Acenaphthene
Concen: 80.242 ng
RT: 9.72 min Scan# 1297
Delta R.T. -0.00 min
Lab File: BF115056.D
Acq: 14 Jun 2019 22:37

Tgt Ion:154 Resp: 2653627

Ion	Ratio	Lower	Upper
154	100		
153	112.4	88.5	132.7
152	56.9	43.6	65.4



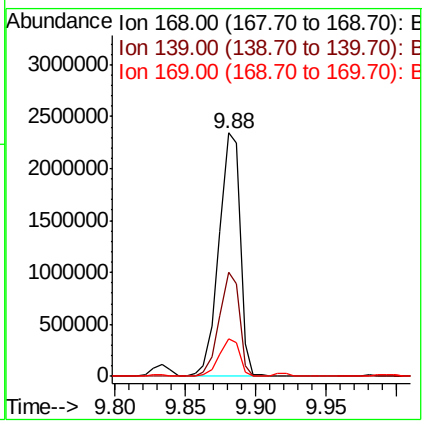


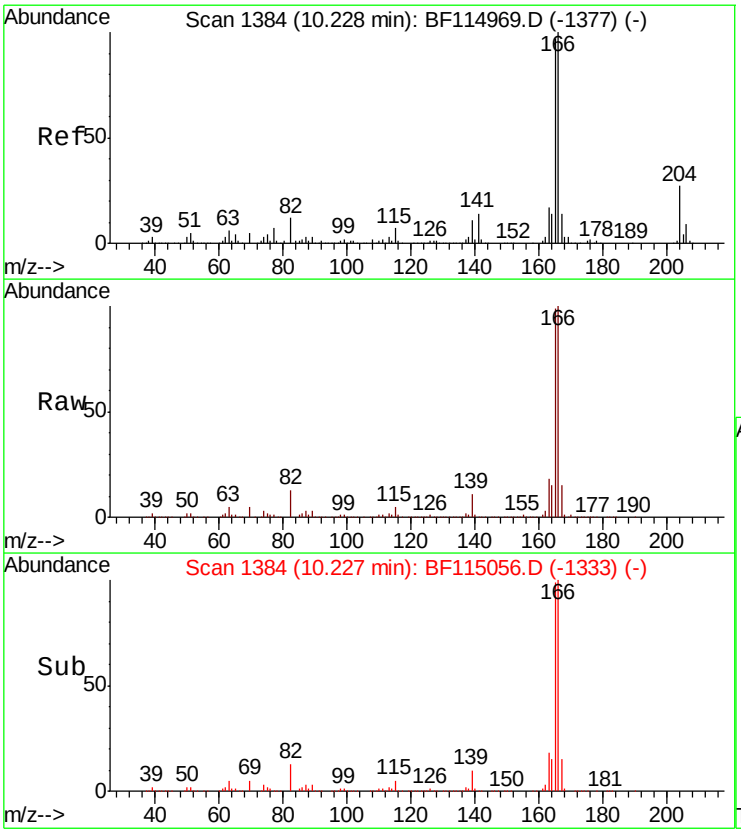
#55
Dibenzofuran
Concen: 49.248 ng
RT: 9.88 min Scan# 1325
Delta R.T. -0.01 min
Lab File: BF115056.D
Acq: 14 Jun 2019 22:37

Instrument :
BNA_F
ClientSampleId :
RT-3860

Tgt Ion:168 Resp: 2454581

Ion	Ratio	Lower	Upper
168	100		
139	42.9	32.5	48.7
169	15.6	11.5	17.3

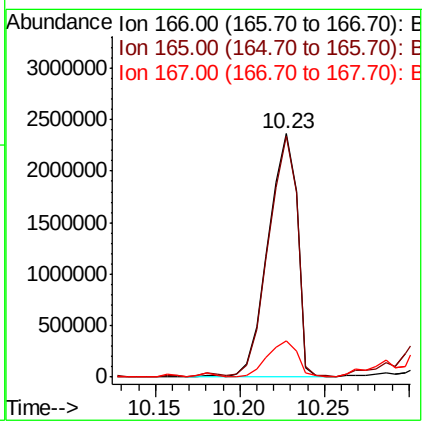


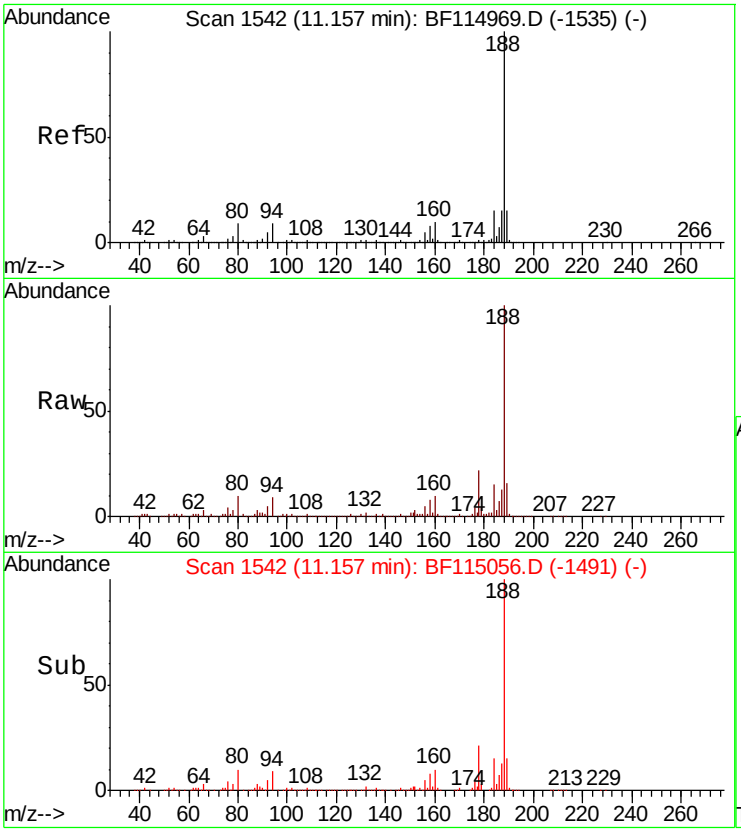


#58
Fluorene
Concen: 93.344 ng
RT: 10.23 min Scan# 1384
Delta R.T. -0.00 min
Lab File: BF115056.D
Acq: 14 Jun 2019 22:37

Tgt Ion:166 Resp: 2827106

Ion	Ratio	Lower	Upper
166	100		
165	98.7	77.6	116.4
167	14.8	11.0	16.4



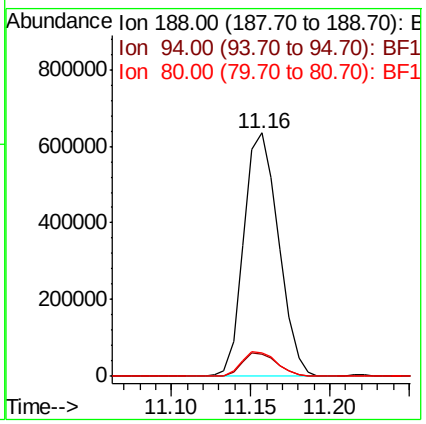


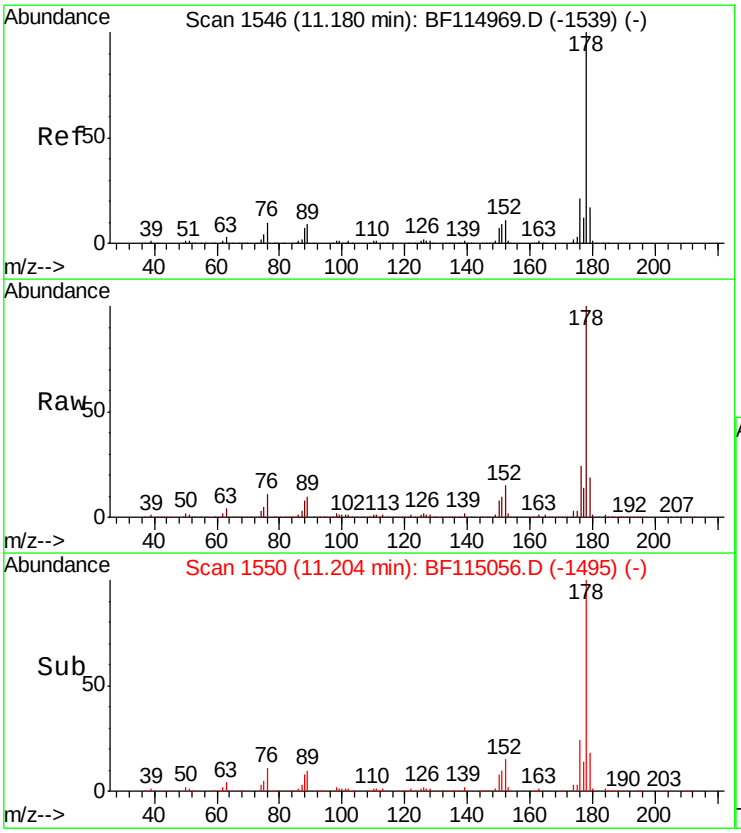
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.16 min Scan# 1542
Delta R.T. -0.00 min
Lab File: BF115056.D
Acq: 14 Jun 2019 22:37

Instrument :
BNA_F
ClientSampleId :
RT-3860

Tgt Ion:188 Resp: 968115

Ion	Ratio	Lower	Upper
188	100		
94	9.3	7.2	10.8
80	9.8	7.4	11.2

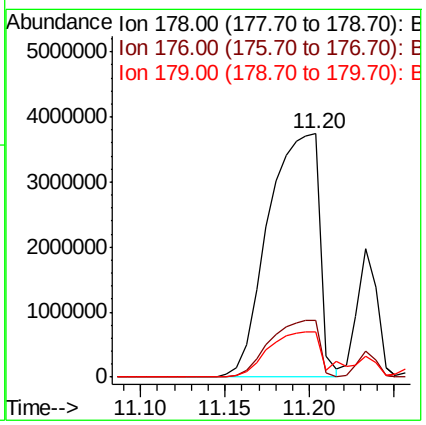


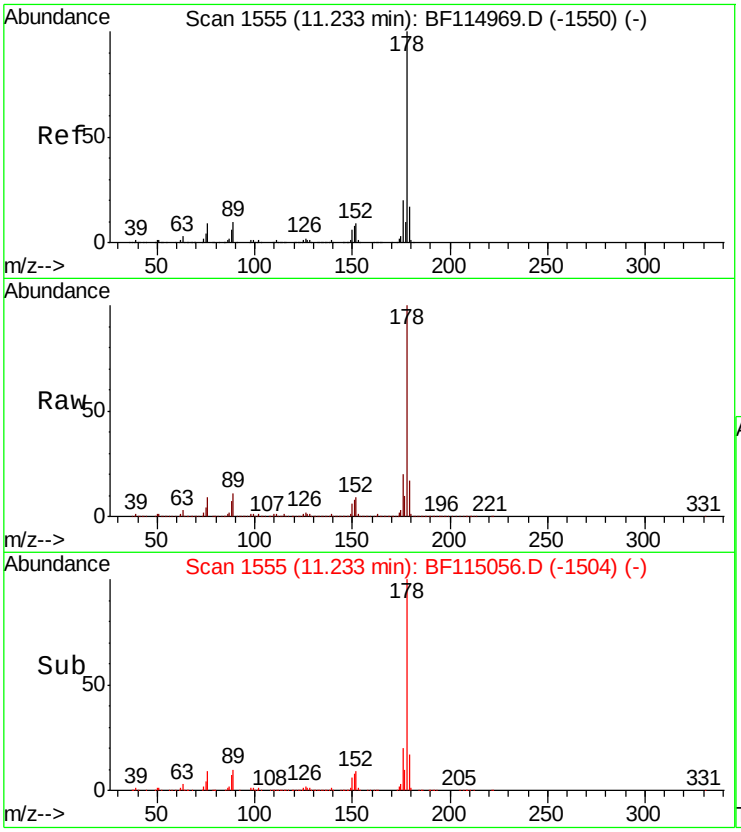


#71
Phenanthrene
Concen: 157.429 ng
RT: 11.20 min Scan# 1550
Delta R.T. 0.02 min
Lab File: BF115056.D
Acq: 14 Jun 2019 22:37

Tgt Ion:178 Resp: 7869118

Ion	Ratio	Lower	Upper
178	100		
176	23.5	16.9	25.3
179	18.6	13.4	20.0



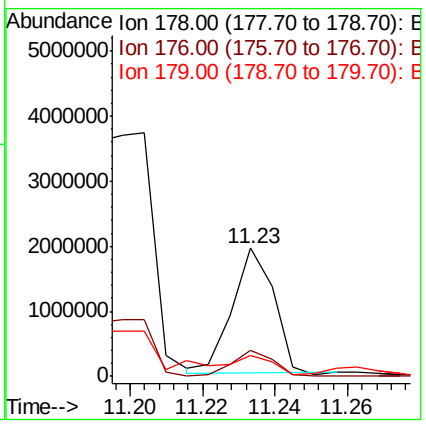


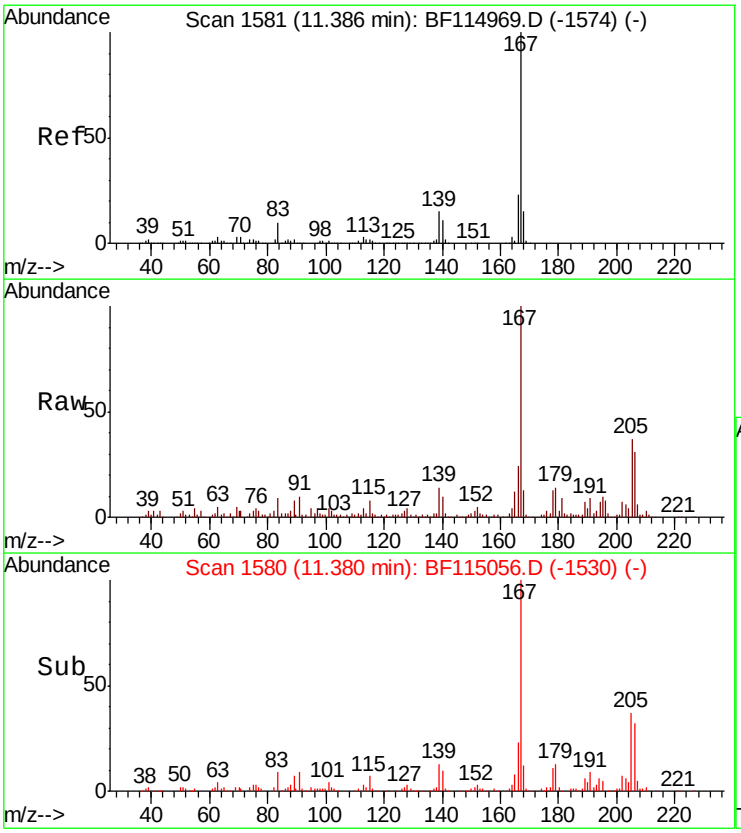
#72
Anthracene
Concen: 30.491 ng
RT: 11.23 min Scan# 1555
Delta R.T. -0.00 min
Lab File: BF115056.D
Acq: 14 Jun 2019 22:37

Instrument :
BNA_F
ClientSampleId :
RT-3860

Tgt Ion:178 Resp: 1537539

Ion	Ratio	Lower	Upper
178	100		
176	20.2	16.2	24.4
179	16.8	13.2	19.8

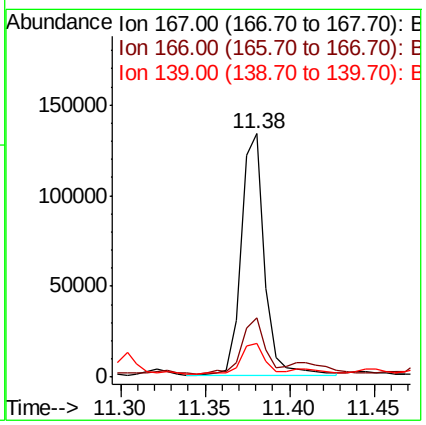


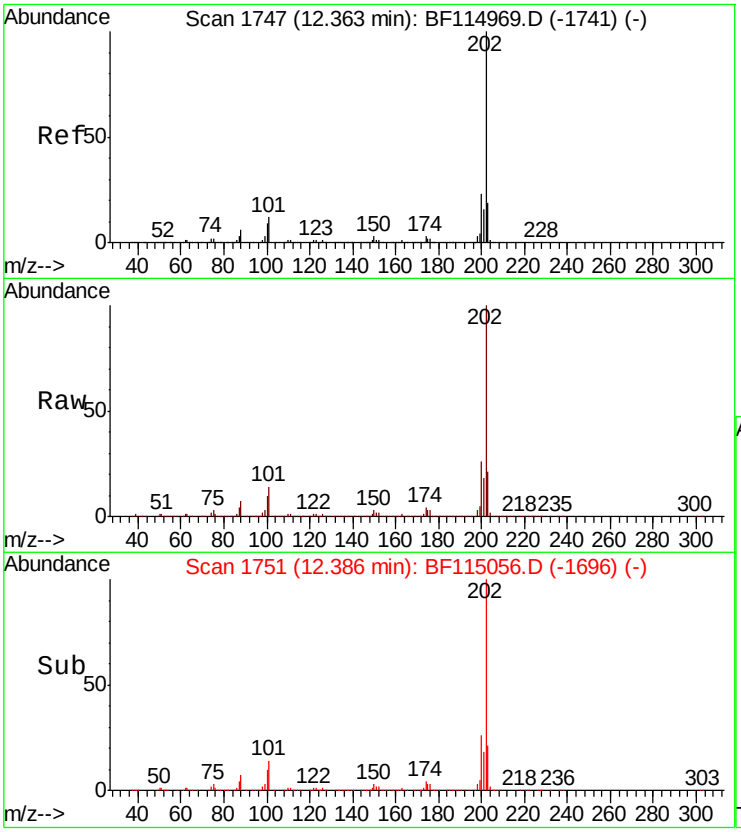


#73
Carbazole
Concen: 2.915 ng
RT: 11.38 min Scan# 1580
Delta R.T. -0.01 min
Lab File: BF115056.D
Acq: 14 Jun 2019 22:37

Tgt Ion:167 Resp: 128309

Ion	Ratio	Lower	Upper
167	100		
166	24.2	18.5	27.7
139	14.1	12.0	18.0



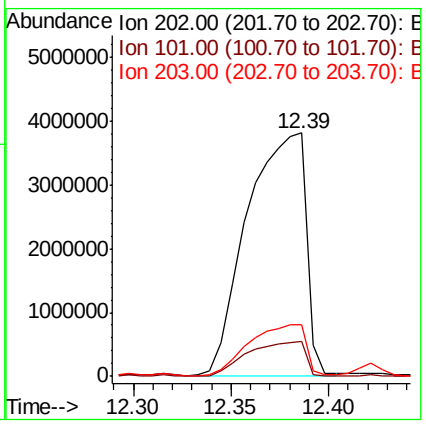


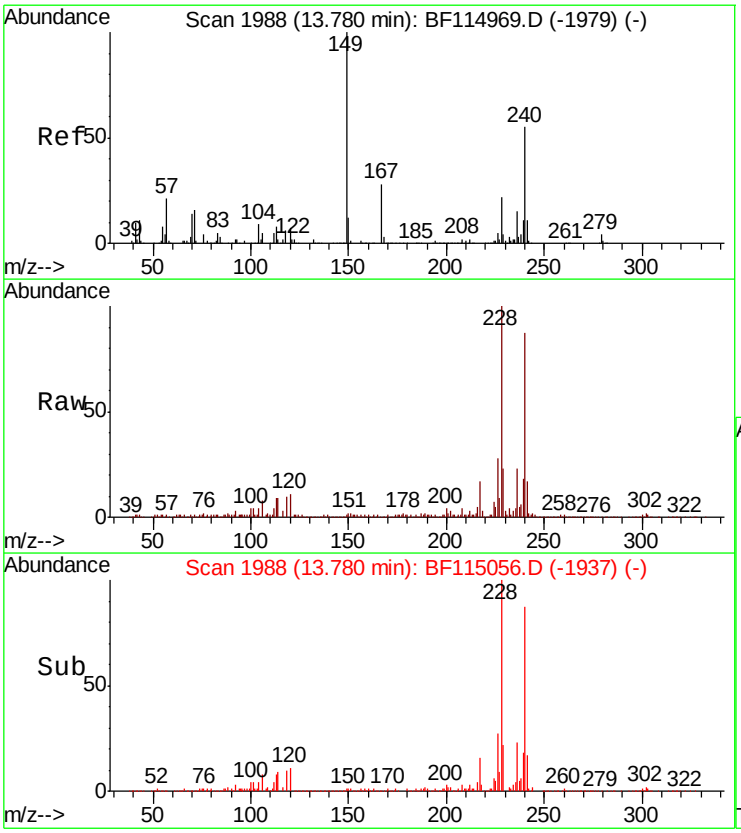
#75
Fluoranthene
Concen: 155.064 ng
RT: 12.39 min Scan# 1751
Delta R.T. 0.02 min
Lab File: BF115056.D
Acq: 14 Jun 2019 22:37

Instrument :
BNA_F
ClientSampleId :
RT-3860

Tgt Ion:202 Resp: 7925632

Ion	Ratio	Lower	Upper
202	100		
101	14.3	0.0	32.4
203	21.1	0.0	38.6

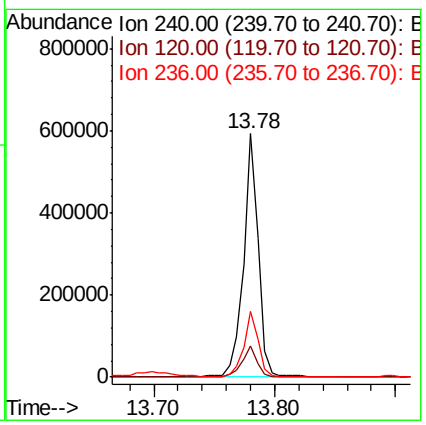


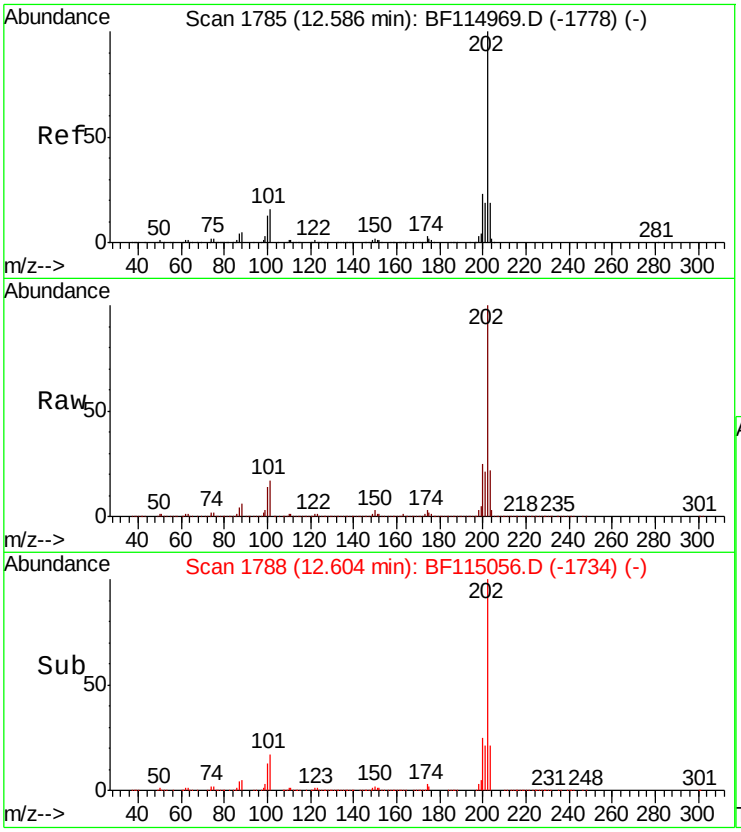


#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.78 min Scan# 1988
Delta R.T. -0.00 min
Lab File: BF115056.D
Acq: 14 Jun 2019 22:37

Tgt Ion:240 Resp: 501033

Ion	Ratio	Lower	Upper
240	100		
120	12.9	10.0	15.0
236	26.9	21.6	32.4



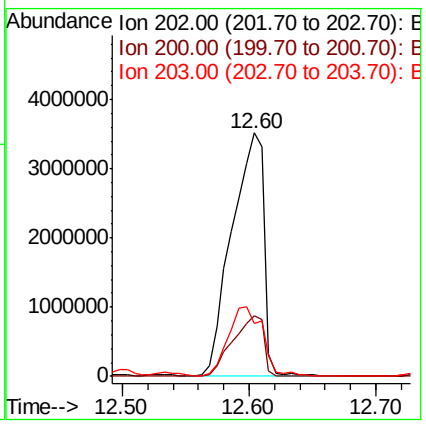


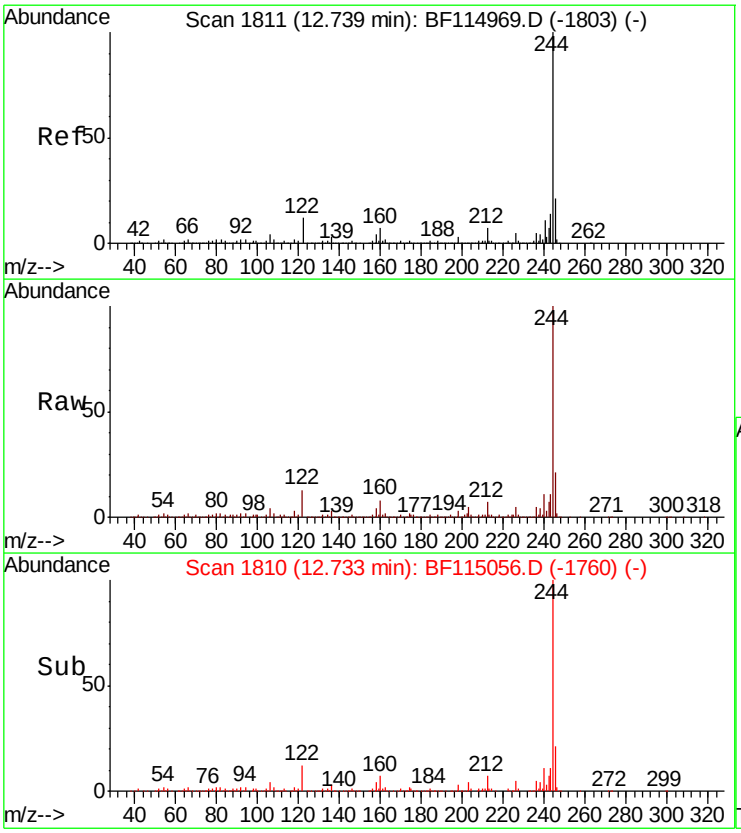
#78
Pyrene
Concen: 134.525 ng
RT: 12.60 min Scan# 1788
Delta R.T. 0.02 min
Lab File: BF115056.D
Acq: 14 Jun 2019 22:37

Instrument :
BNA_F
ClientSampleId :
RT-3860

Tgt Ion:202 Resp: 6140158

Ion	Ratio	Lower	Upper
202	100		
200	25.1	18.4	27.6
203	21.7	14.9	22.3

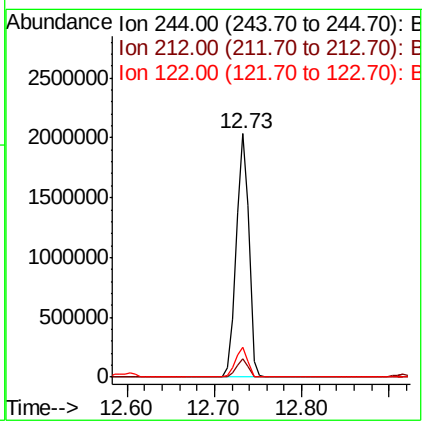


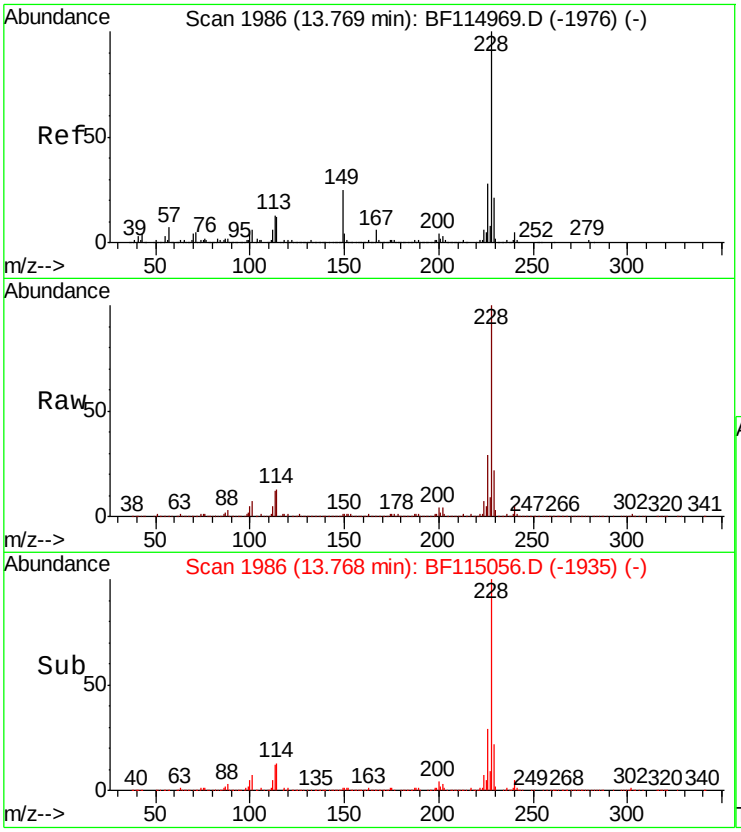


#79
Terphenyl-d14
Concen: 74.149 ng
RT: 12.73 min Scan# 1810
Delta R.T. -0.01 min
Lab File: BF115056.D
Acq: 14 Jun 2019 22:37

Tgt Ion:244 Resp: 1975210

Ion	Ratio	Lower	Upper
244	100		
212	7.3	5.8	8.8
122	12.5	9.4	14.0



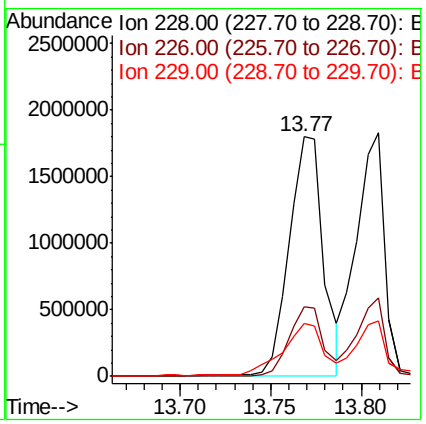


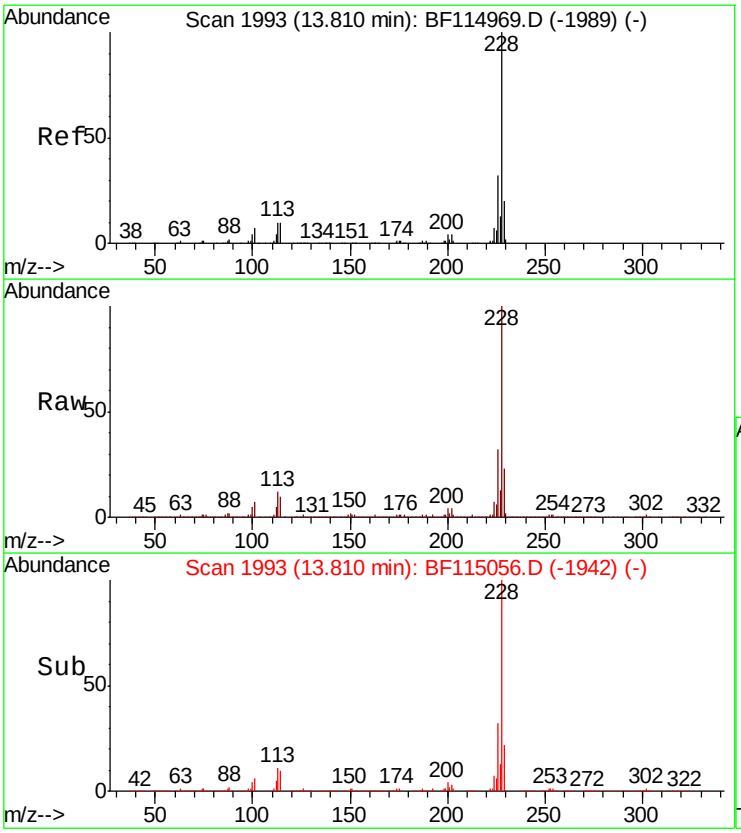
#81
Benzo(a)anthracene
Concen: 63.623 ng
RT: 13.77 min Scan# 1986
Delta R.T. -0.00 min
Lab File: BF115056.D
Acq: 14 Jun 2019 22:37

Instrument :
BNA_F
ClientSampleId :
RT-3860

Tgt Ion:228 Resp: 2385465

Ion	Ratio	Lower	Upper
228	100		
226	29.1	22.0	33.0
229	22.1	16.6	25.0

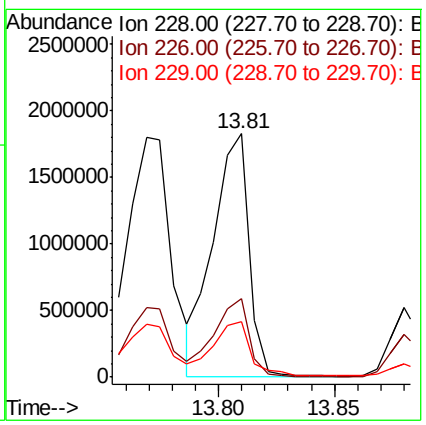


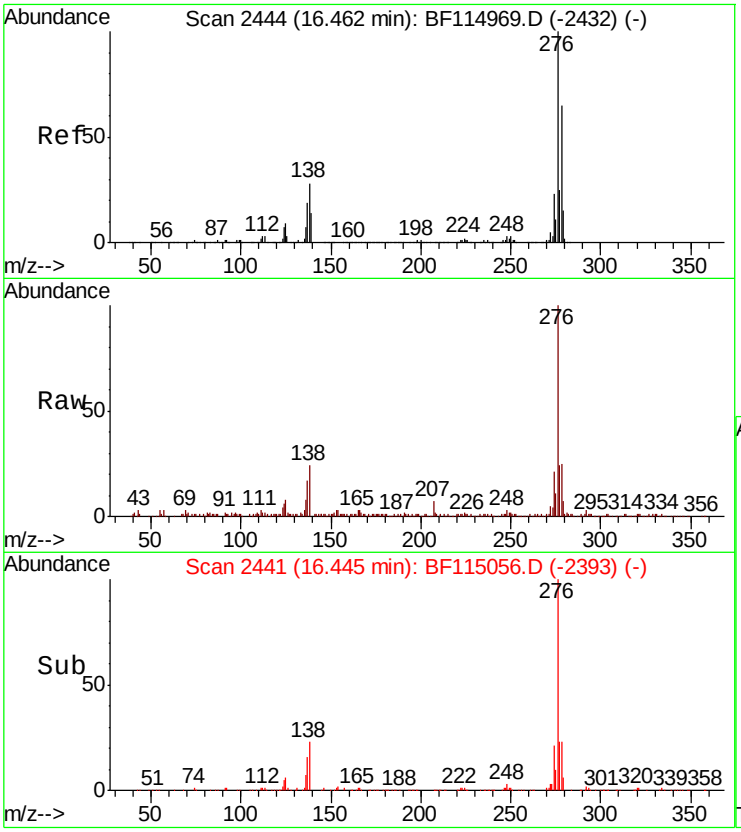


#83
Chrysene
Concen: 53.097 ng
RT: 13.81 min Scan# 1993
Delta R.T. -0.00 min
Lab File: BF115056.D
Acq: 14 Jun 2019 22:37

Tgt Ion:228 Resp: 1979665

Ion	Ratio	Lower	Upper
228	100		
226	32.2	25.4	38.0
229	22.9	16.4	24.6



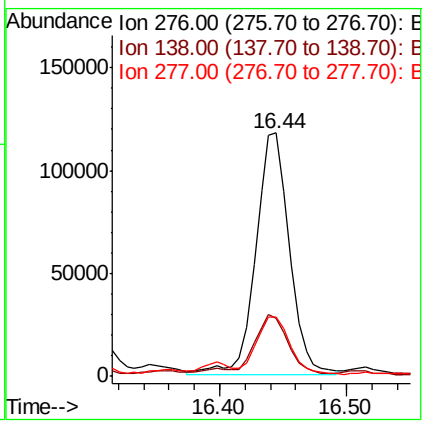


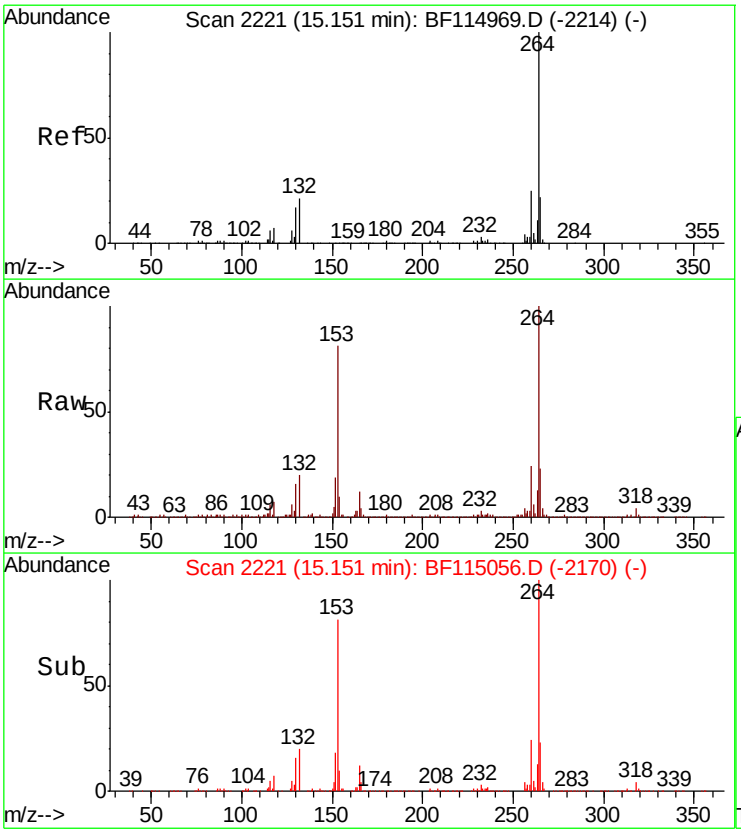
#86
Indeno(1,2,3-cd)pyrene
Concen: 6.642 ng
RT: 16.44 min Scan# 2441
Delta R.T. -0.02 min
Lab File: BF115056.D
Acq: 14 Jun 2019 22:37

Instrument :
BNA_F
ClientSampleId :
RT-3860

Tgt Ion:276 Resp: 217526

Ion	Ratio	Lower	Upper
276	100		
138	24.1	23.0	34.4
277	23.2	20.6	30.8

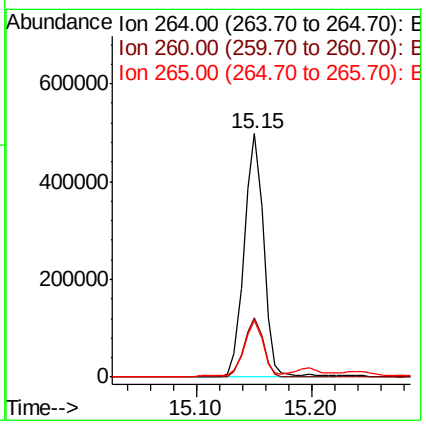


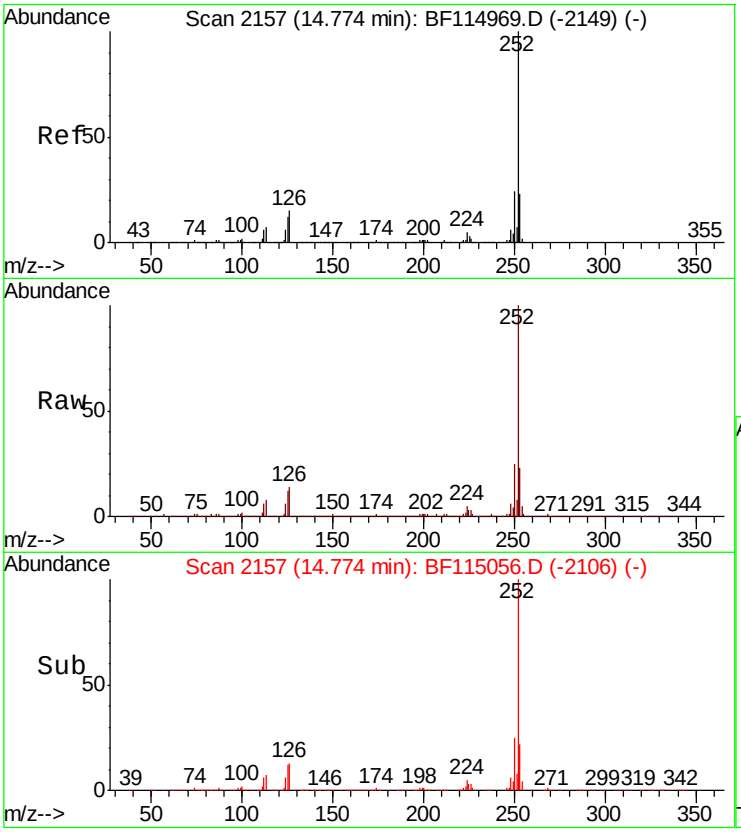


#87
Perylene-d12
Concen: 20.000 ng
RT: 15.15 min Scan# 2221
Delta R.T. -0.00 min
Lab File: BF115056.D
Acq: 14 Jun 2019 22:37

Tgt Ion:264 Resp: 582027

Ion	Ratio	Lower	Upper
264	100		
260	24.3	19.9	29.9
265	23.1	17.6	26.4



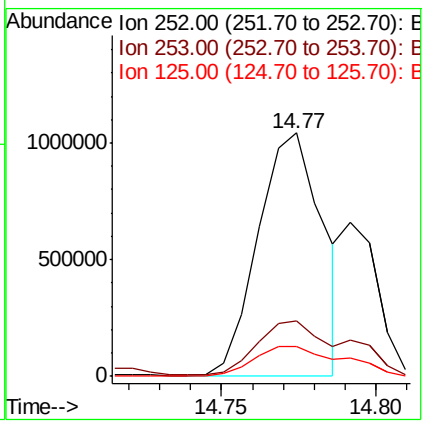


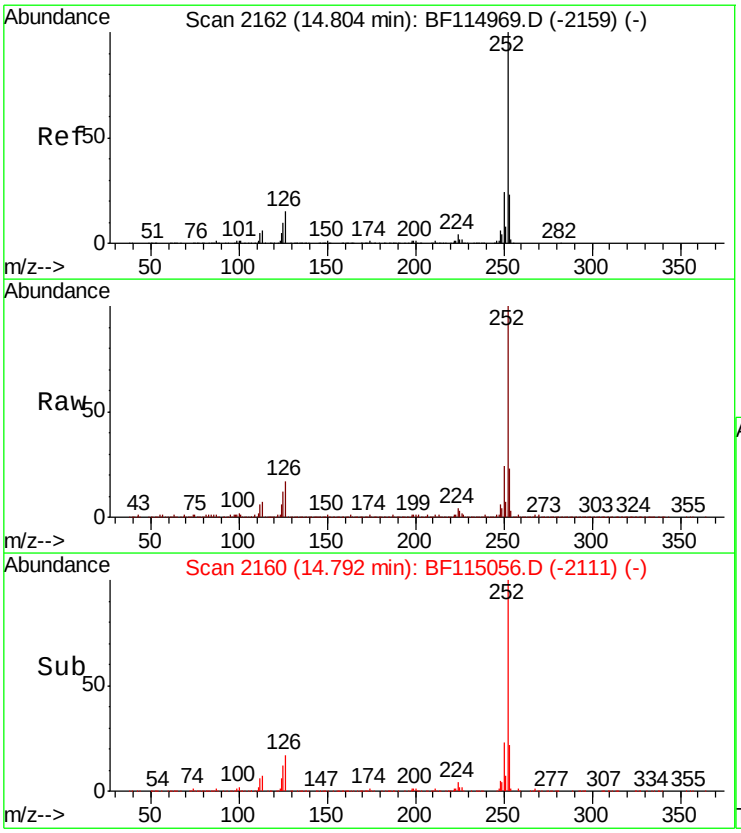
#88
Benzo(b)fluoranthene
Concen: 39.185 ng m
RT: 14.77 min Scan# 2157
Delta R.T. -0.00 min
Lab File: BF115056.D
Acq: 14 Jun 2019 22:37

Instrument :
BNA_F
ClientSampleId :
RT-3860

Tgt Ion:252 Resp: 1516106

Ion	Ratio	Lower	Upper
252	100		
253	22.9	18.1	27.1
125	12.5	9.4	14.0

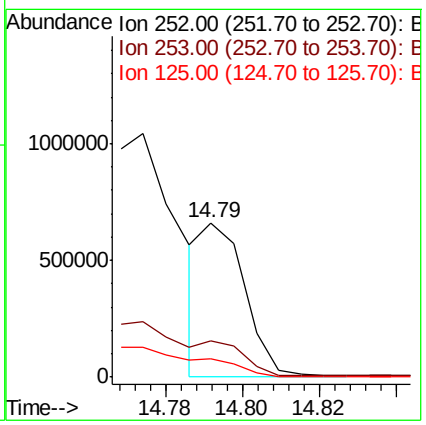


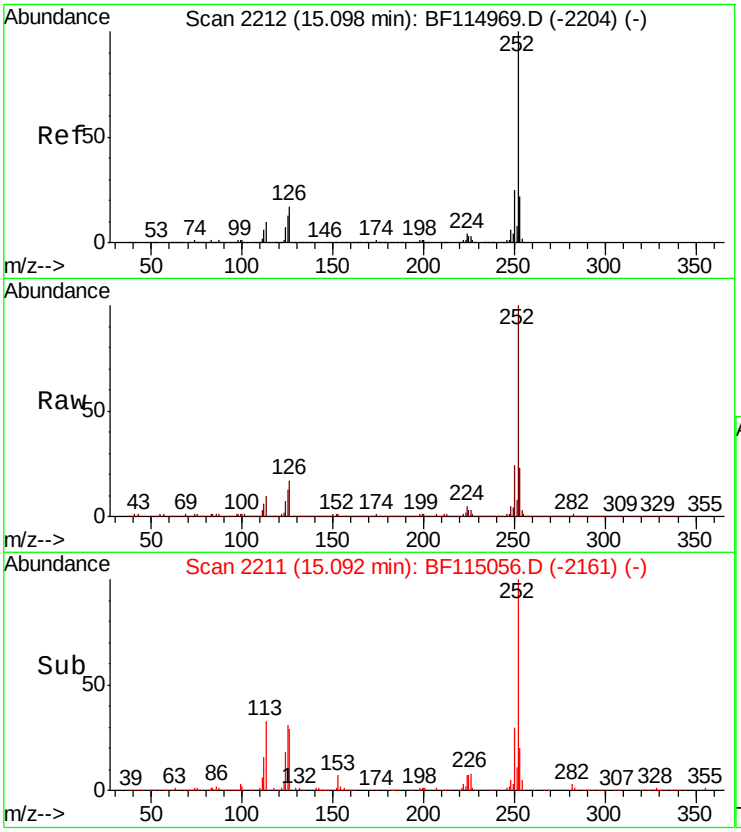


#89
Benzo(k)fluoranthene
Concen: 15.360 ng m
RT: 14.79 min Scan# 2160
Delta R.T. -0.01 min
Lab File: BF115056.D
Acq: 14 Jun 2019 22:37

Tgt Ion:252 Resp: 521650

Ion	Ratio	Lower	Upper
252	100		
253	23.5	18.0	27.0
125	12.0	8.2	12.4



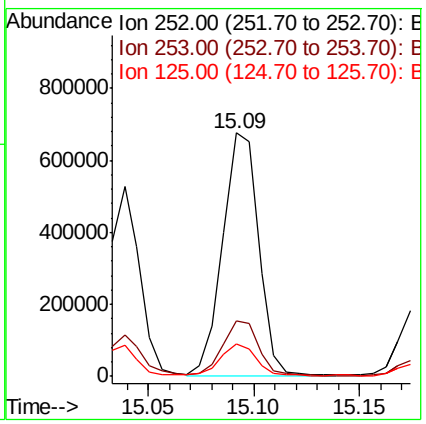


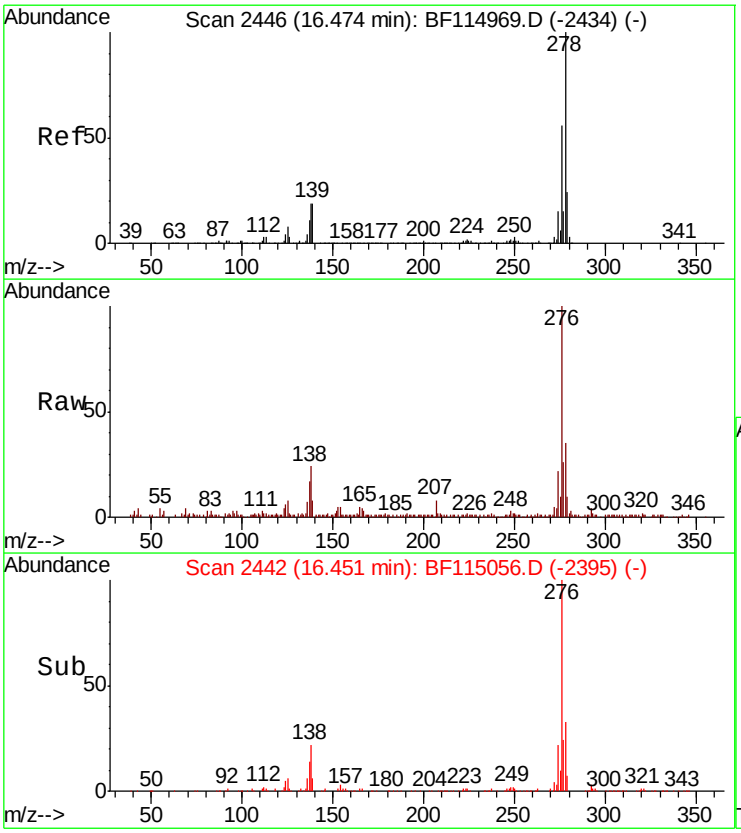
#90
Benzo(a)pyrene
Concen: 23.716 ng
RT: 15.09 min Scan# 2211
Delta R.T. -0.01 min
Lab File: BF115056.D
Acq: 14 Jun 2019 22:37

Instrument :
BNA_F
ClientSampleId :
RT-3860

Tgt Ion:252 Resp: 791787

Ion	Ratio	Lower	Upper
252	100		
253	22.5	17.8	26.8
125	13.4	10.7	16.1

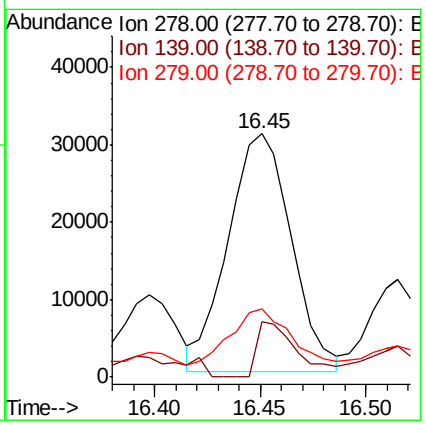


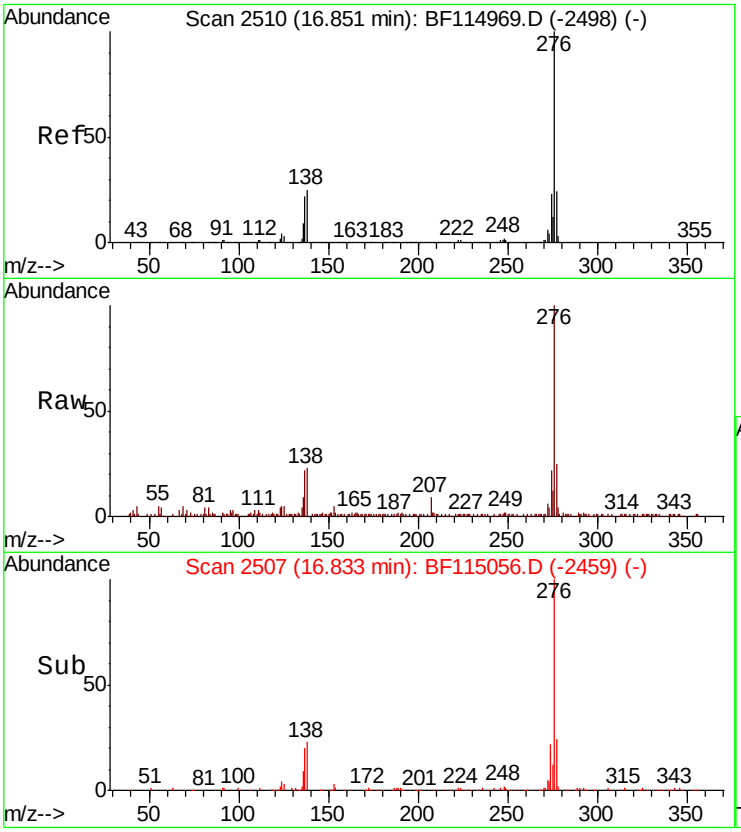


#91
Dibenzo(a,h)anthracene
Concen: 2.221 ng
RT: 16.45 min Scan# 2442
Delta R.T. -0.02 min
Lab File: BF115056.D
Acq: 14 Jun 2019 22:37

Tgt Ion:278 Resp: 63872

Ion	Ratio	Lower	Upper
278	100		
139	22.9	15.3	22.9
279	28.2	19.2	28.8





#92
Benzo(g,h,i)perylene
Concen: 5.106 ng
RT: 16.83 min Scan# 2507
Delta R.T. -0.02 min
Lab File: BF115056.D
Acq: 14 Jun 2019 22:37

Instrument :
BNA_F
ClientSampleId :
RT-3860

Tgt Ion:276 Resp: 149735

Ion	Ratio	Lower	Upper
276	100		
277	24.9	18.8	28.2
138	23.0	20.2	30.4