Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF112019\
Data File : BF117891.D
Acq On : 20 Nov 2019 14:25
Operator : JU
Sample : K5676-16DL 2X
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SU-01-111519DL

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Quant Time: Nov 20 15:02:43 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF111319.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 13 18:36:07 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.92	152	135652	20.00	ng	-0.01
21) Naphthalene-d8	8.20	136	505190	20.00	ng	-0.01
39) Acenaphthene-d10	9.96	164	235798	20.00	ng	-0.01
64) Phenanthrene-d10	11.46	188	378185	20.00	ng	-0.01
76) Chrysene-d12	14.11	240	316252	20.00	ng	0.00
87) Perylene-d12	15.62	264	386517	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.52	112	196386	25.63	ng	-0.01
7) Phenol-d6	6.53	99	253199	27.39	ng	-0.02
23) Nitrobenzene-d5	7.47	82	147412	17.35	ng	-0.02
42) 2,4,6-Tribromophenol	10.75	330	54734	21.93	ng	-0.02
45) 2-Fluorobiphenyl	9.28	172	286624	21.81	ng	-0.01
79) Terphenyl-d14	13.04	244	250577	14.48	ng	-0.01
Target Compounds						Qvalue
31) Naphthalene	8.22	128	173296	7.358	ng	97
37) 2-Methylnaphthalene	8.92	142	102219	6.424	ng	100
38) 1-Methylnaphthalene	9.02	142	98802	6.567	ng	100
49) Acenaphthylene	9.82	152	176065	8.391	ng	97
50) Dimethylphthalate	9.67	163	45252	2.737	ng	97
52) Acenaphthene	10.00	154	46369	3.450	ng	96
55) Dibenzofuran	10.17	168	75915	4.079	ng	98
58) Fluorene	10.52	166	164426	11.400	ng	98
71) Phenanthrene	11.48	178	769844	40.488	ng	98
72) Anthracene	11.53	178	253148	13.428	ng	96
73) Carbazole	11.69	167	38569	2.341	ng	99
75) Fluoranthene	12.68	202	1014343	61.310	ng	98
78) Pyrene	12.91	202	1009070	39.482	ng	100
81) Benzo(a)anthracene	14.10	228	692749	33.148	ng	94
83) Chrysene	14.13	228	526361	25.992	ng	98
86) Indeno(1,2,3-cd)pyrene	17.15	276	351732	20.408	ng	94
88) Benzo(b)fluoranthene	15.17	252	939806m	37.424	ng	
89) Benzo(k)fluoranthene	15.20	252	269002m	11.369	ng	
90) Benzo(a)pyrene	15.56	252	695755	31.508	ng	98
91) Dibenzo(a,h)anthracene	17.16	278	99880m	5.255	ng	
92) Benzo(g,h,i)perylene	17.62	276	310700	16.412	ng	98

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

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Instrument :
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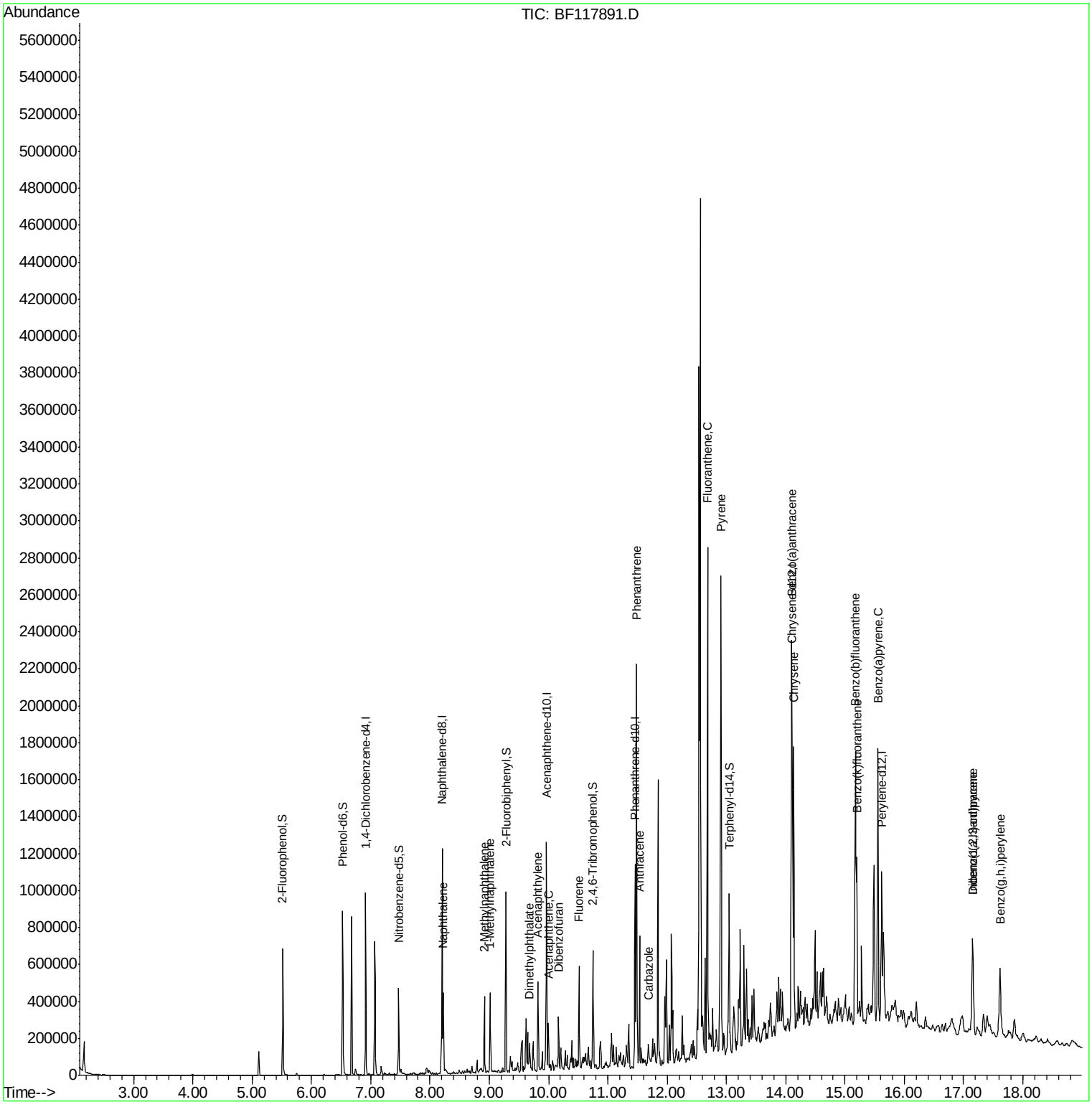
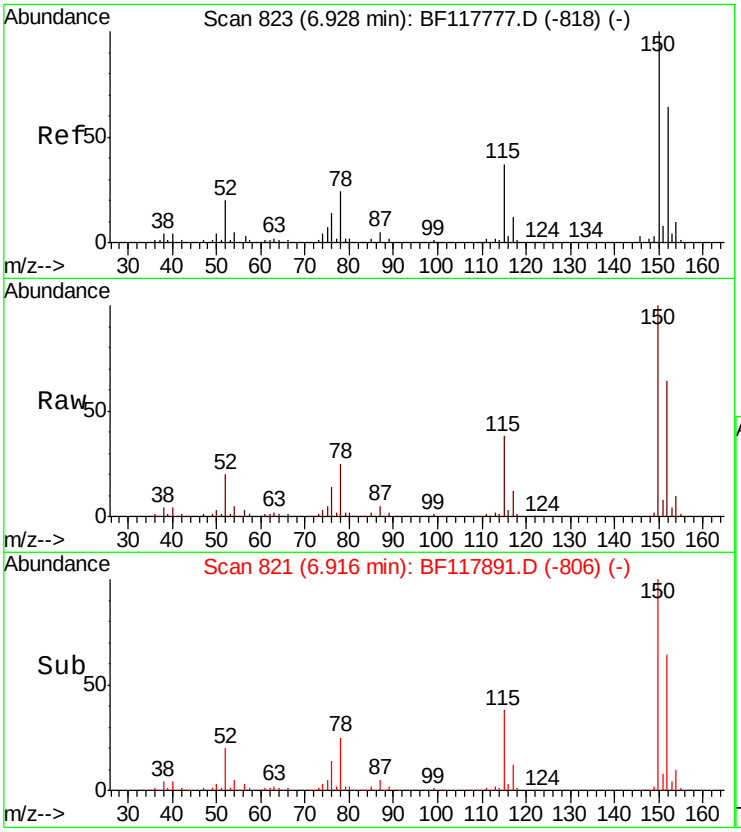
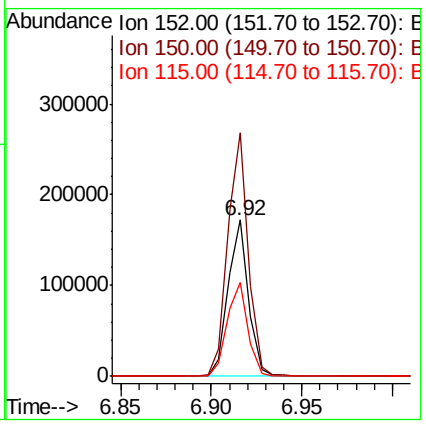




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.92 min Scan# 821
Delta R.T. -0.01 min
Lab File: BF117891.D
Acq: 20 Nov 2019 14:25

Tgt Ion:152 Resp: 135652

Ion	Ratio	Lower	Upper
152	100		
150	155.5	125.3	187.9
115	59.6	47.0	70.4



Instrument :
BNA_F
ClientSampleId :
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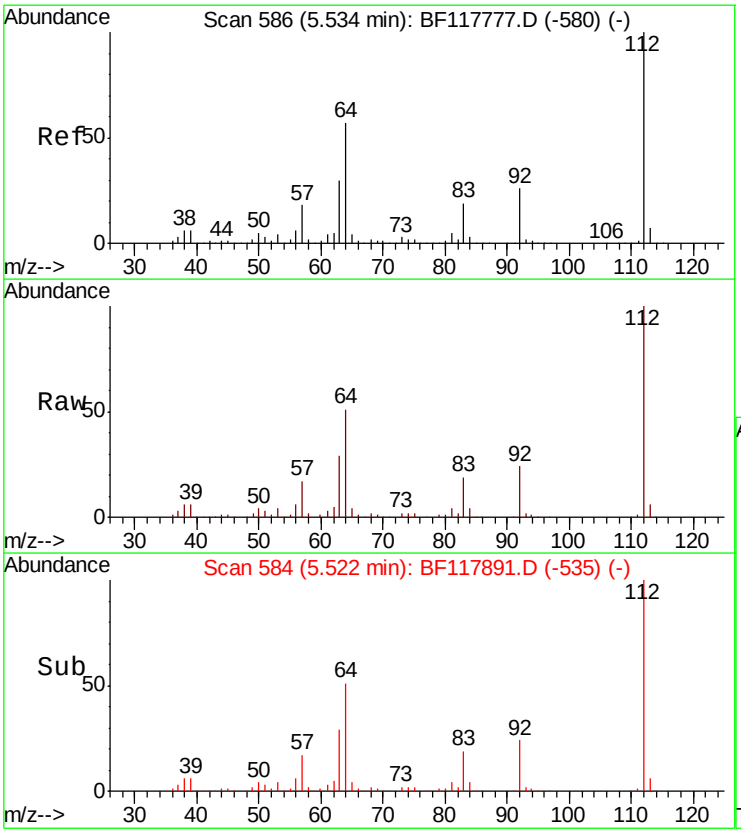
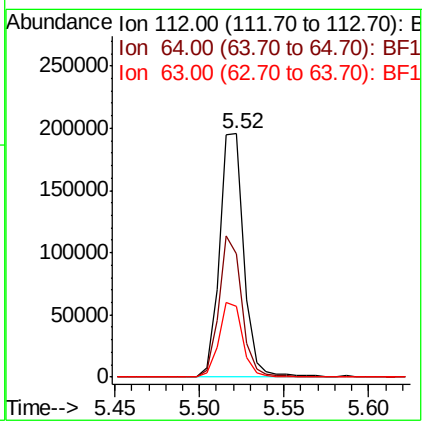
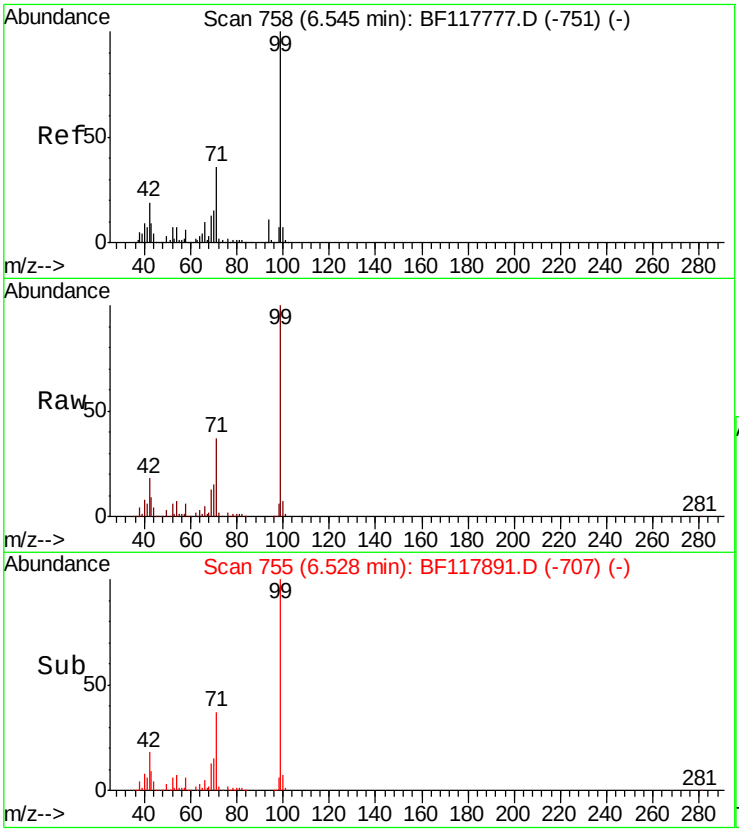


#5
2-Fluorophenol
Concen: 25.626 ng
RT: 5.52 min Scan# 584
Delta R.T. -0.01 min
Lab File: BF117891.D
Acq: 20 Nov 2019 14:25

Tgt Ion:112 Resp: 196386

Ion	Ratio	Lower	Upper
112	100		
64	50.9	45.6	68.4
63	29.0	24.1	36.1

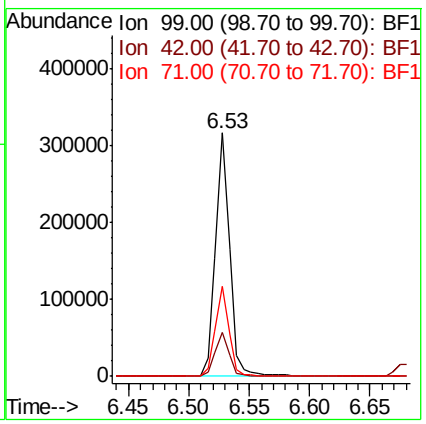




#7
Phenol-d6
Concen: 27.392 ng
RT: 6.53 min Scan# 755
Delta R.T. -0.02 min
Lab File: BF117891.D
Acq: 20 Nov 2019 14:25

Tgt Ion: 99 Resp: 253199

Ion	Ratio	Lower	Upper
99	100		
42	18.1	14.9	22.3
71	36.8	28.6	43.0



Instrument :
BNA_F
ClientSampleId :
SU-01-111519DL

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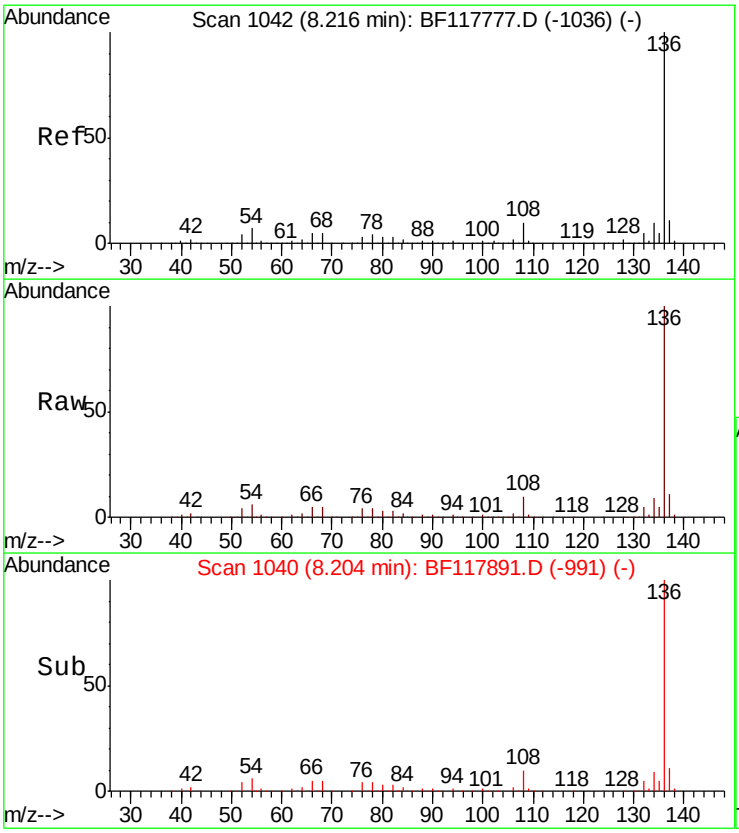
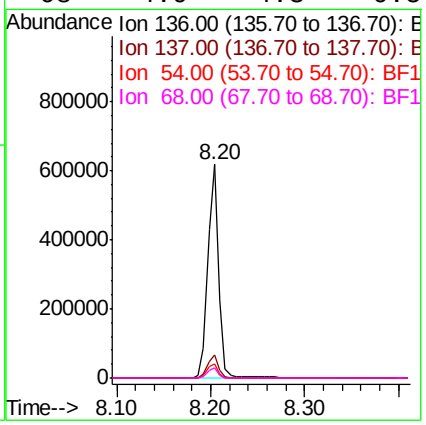
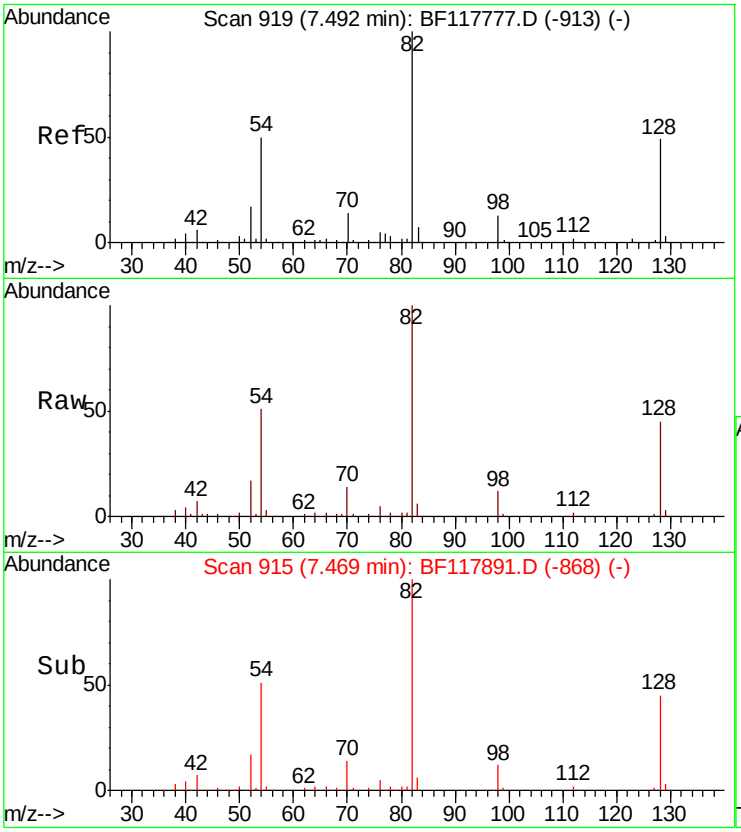


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.20 min Scan# 1040
Delta R.T. -0.01 min
Lab File: BF117891.D
Acq: 20 Nov 2019 14:25

Tgt Ion:136 Resp: 505190

Ion	Ratio	Lower	Upper
136	100		
137	10.9	9.0	13.4
54	6.4	5.4	8.2
68	4.9	4.3	6.5

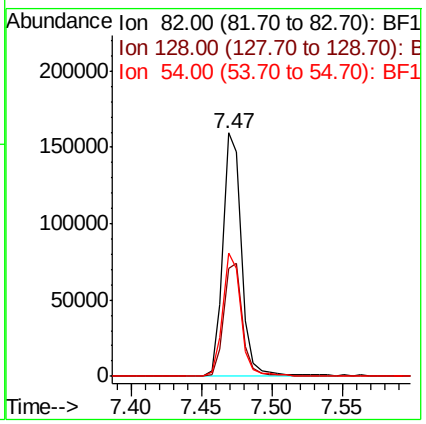




#23
Nitrobenzene-d5
Concen: 17.346 ng
RT: 7.47 min Scan# 915
Delta R.T. -0.02 min
Lab File: BF117891.D
Acq: 20 Nov 2019 14:25

Tgt Ion: 82 Resp: 147412

Ion	Ratio	Lower	Upper
82	100		
128	44.6	38.9	58.3
54	50.7	39.8	59.6



Instrument :
BNA_F
ClientSampleId :
SU-01-111519DL

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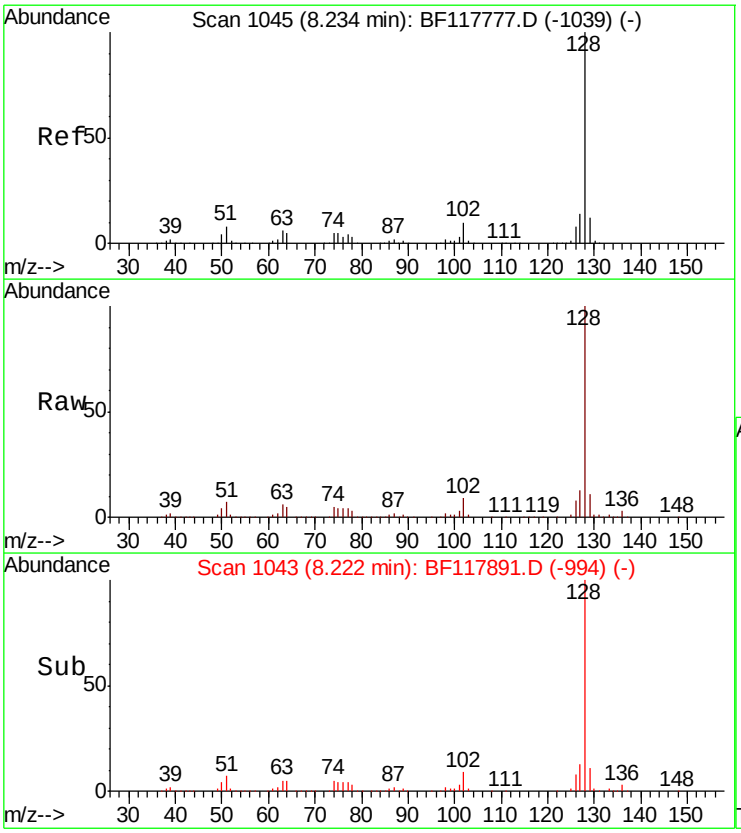
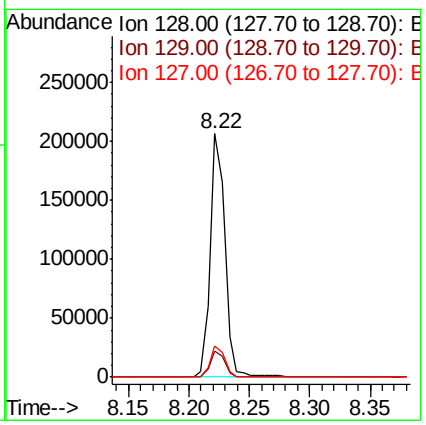
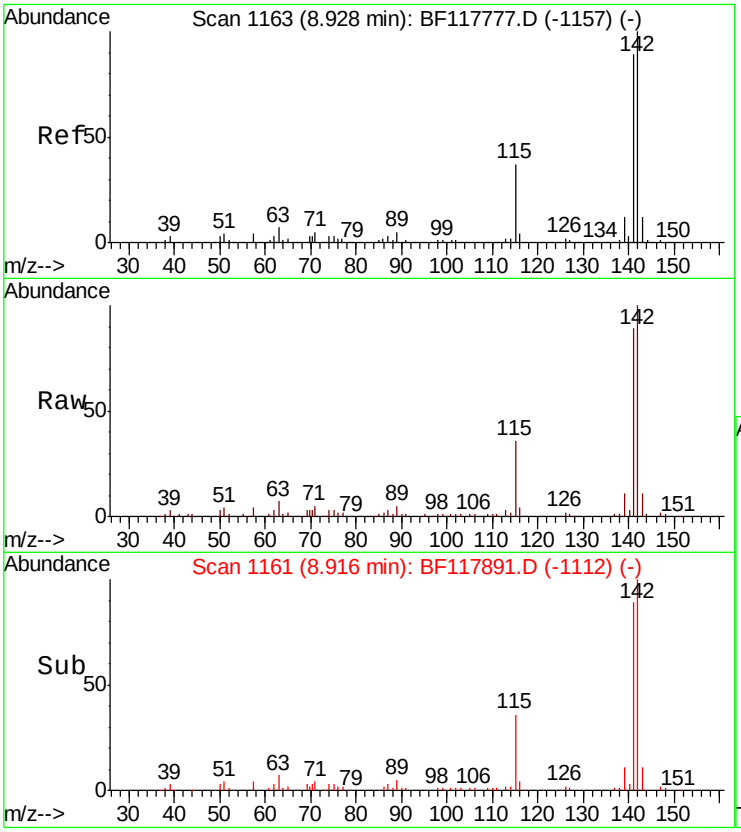


#31
Naphthalene
Concen: 7.358 ng
RT: 8.22 min Scan# 1043
Delta R.T. -0.01 min
Lab File: BF117891.D
Acq: 20 Nov 2019 14:25

Tgt Ion:128 Resp: 173296

Ion	Ratio	Lower	Upper
128	100		
129	10.8	9.5	14.3
127	12.9	11.3	16.9

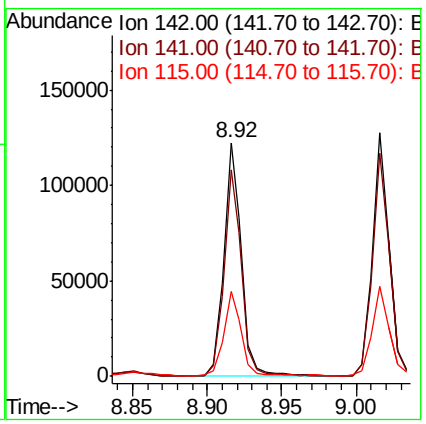




#37
2-Methylnaphthalene
Concen: 6.424 ng
RT: 8.92 min Scan# 1161
Delta R.T. -0.01 min
Lab File: BF117891.D
Acq: 20 Nov 2019 14:25

Tgt Ion:142 Resp: 102219

Ion	Ratio	Lower	Upper
142	100		
141	88.6	71.1	106.7
115	36.3	29.2	43.8



Instrument :
BNA_F
ClientSampleId :
SU-01-111519DL

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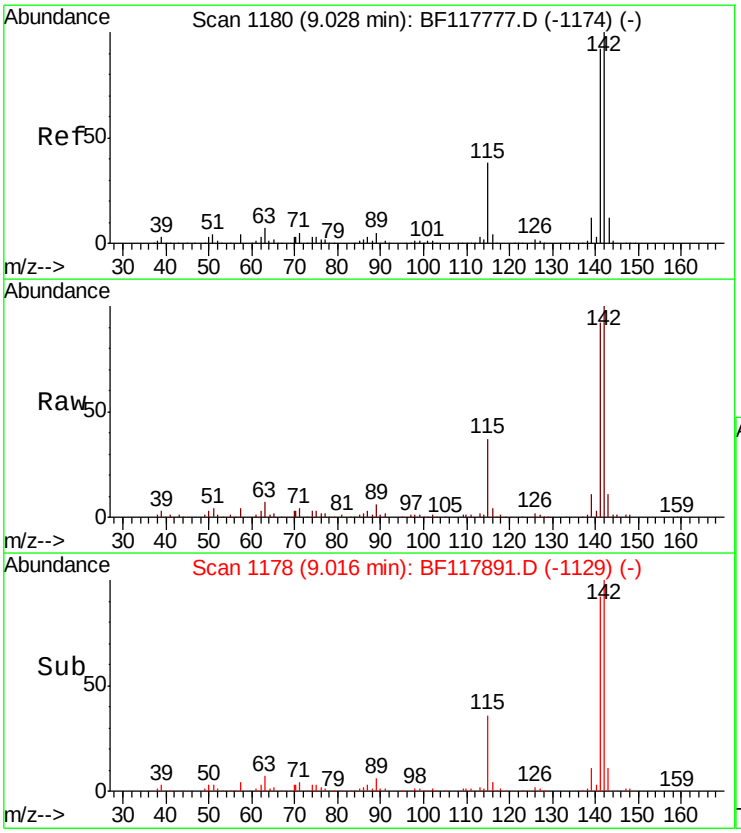
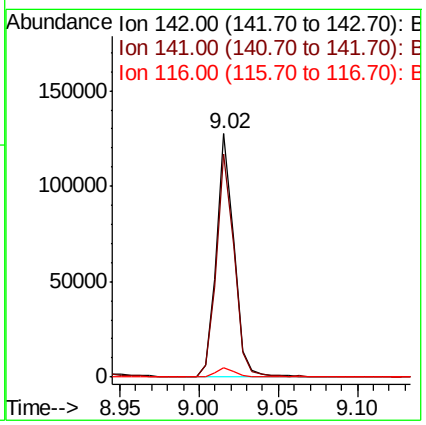
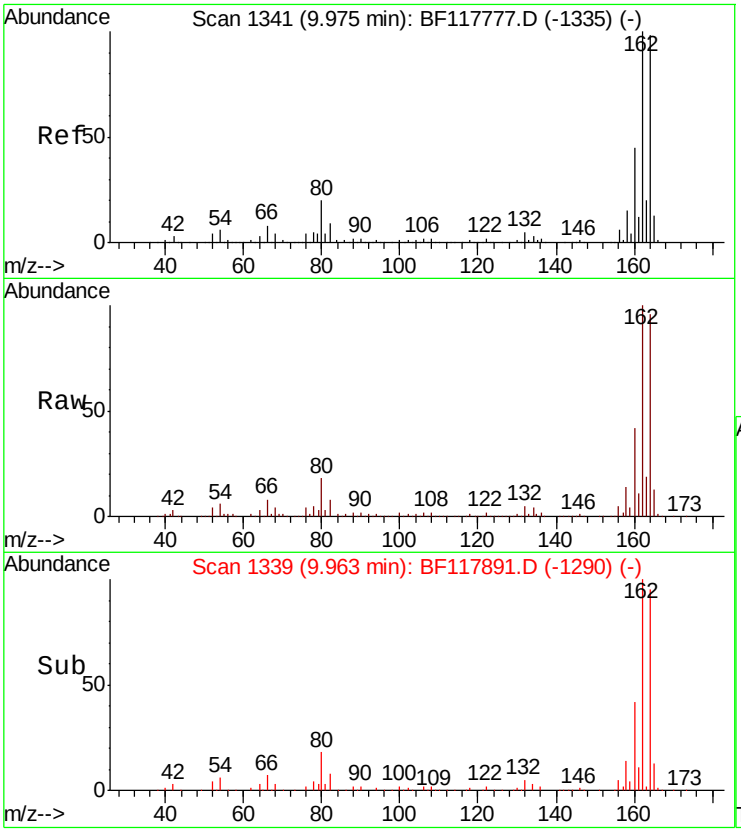


#38
1-Methylnaphthalene
Concen: 6.567 ng
RT: 9.02 min Scan# 1178
Delta R.T. -0.01 min
Lab File: BF117891.D
Acq: 20 Nov 2019 14:25

Tgt Ion:142 Resp: 98802

Ion	Ratio	Lower	Upper
142	100		
141	91.7	73.5	110.3
116	3.8	3.2	4.8

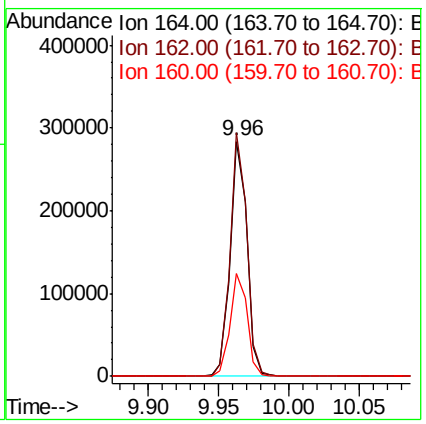




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.96 min Scan# 1339
Delta R.T. -0.01 min
Lab File: BF117891.D
Acq: 20 Nov 2019 14:25

Tgt Ion:164 Resp: 235798

Ion	Ratio	Lower	Upper
164	100		
162	103.7	81.3	121.9
160	43.8	36.6	55.0



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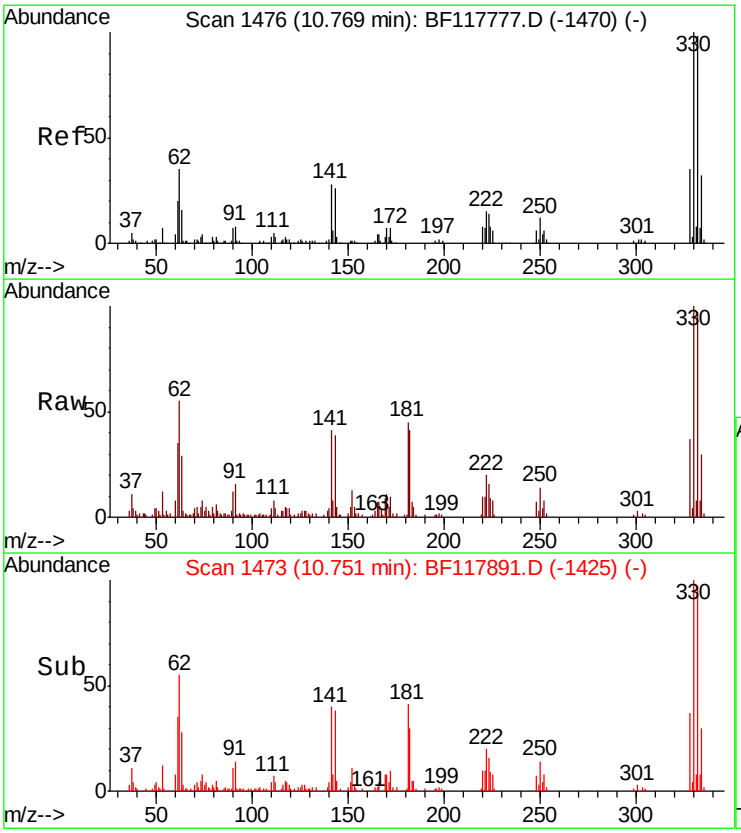
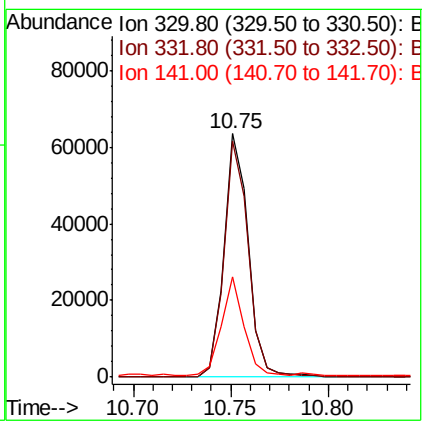
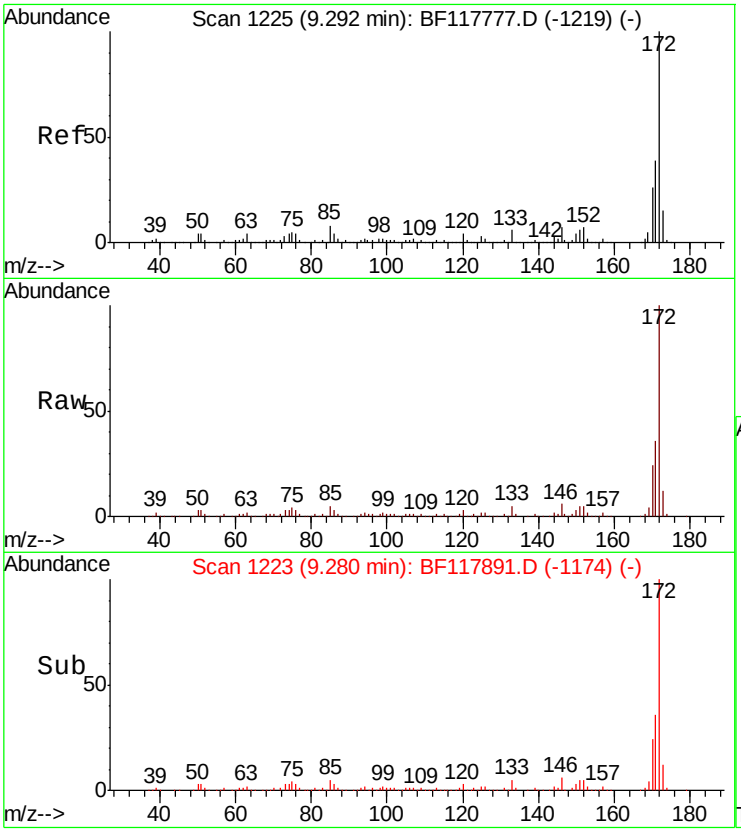


#42
2,4,6-Tribromophenol
Concen: 21.925 ng
RT: 10.75 min Scan# 1473
Delta R.T. -0.02 min
Lab File: BF117891.D
Acq: 20 Nov 2019 14:25

Tgt Ion:330 Resp: 54734

Ion	Ratio	Lower	Upper
330	100		
332	97.0	76.7	115.1
141	37.2	27.7	41.5

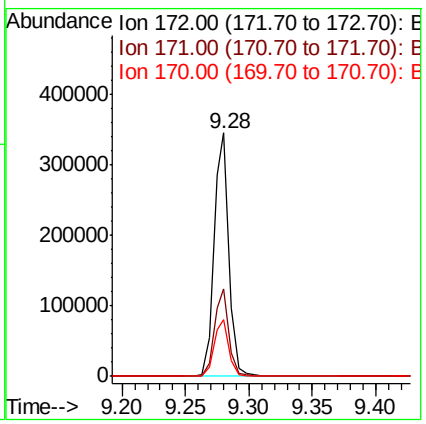




#45
2-Fluorobiphenyl
Concen: 21.807 ng
RT: 9.28 min Scan# 1223
Delta R.T. -0.01 min
Lab File: BF117891.D
Acq: 20 Nov 2019 14:25

Tgt Ion:172 Resp: 286624

Ion	Ratio	Lower	Upper
172	100		
171	35.8	30.9	46.3
170	23.6	21.0	31.4



Instrument :
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ClientSampleId :
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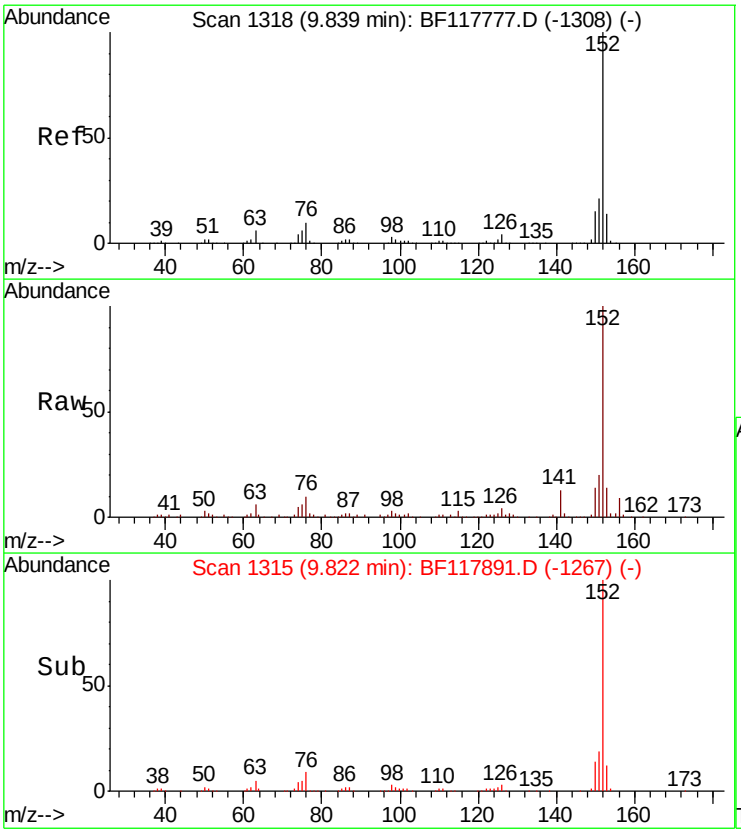
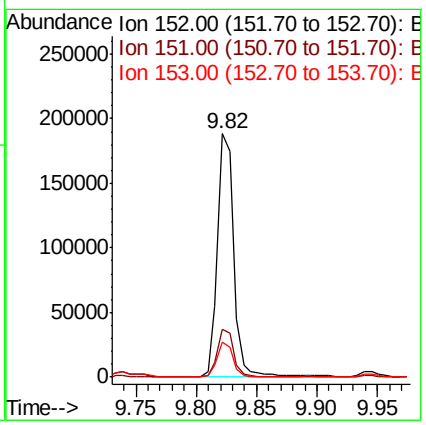
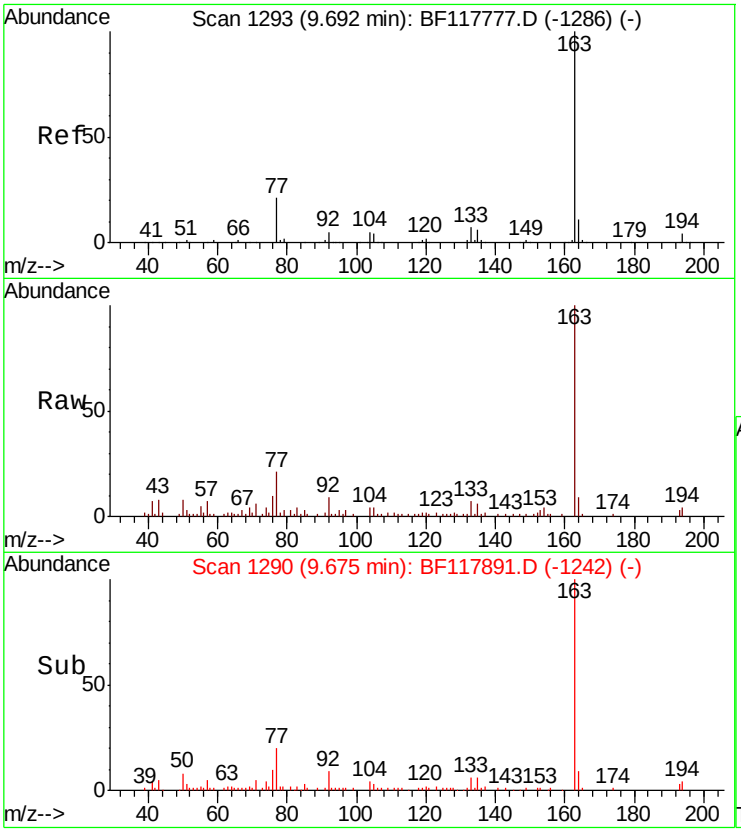


#49
Acenaphthylene
Concen: 8.391 ng
RT: 9.82 min Scan# 1315
Delta R.T. -0.02 min
Lab File: BF117891.D
Acq: 20 Nov 2019 14:25

Tgt Ion:152 Resp: 176065

Ion	Ratio	Lower	Upper
152	100		
151	19.8	17.0	25.6
153	14.5	11.0	16.6

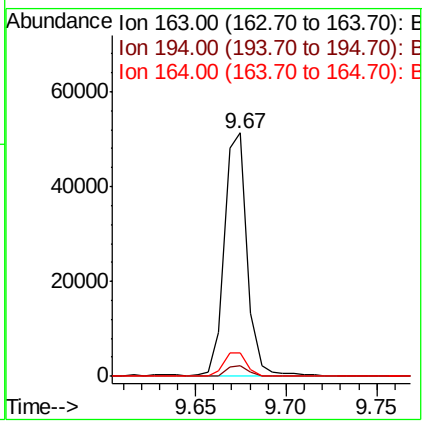




#50
Dimethylphthalate
Concen: 2.737 ng
RT: 9.67 min Scan# 1290
Delta R.T. -0.02 min
Lab File: BF117891.D
Acq: 20 Nov 2019 14:25

Tgt Ion:163 Resp: 45252

Ion	Ratio	Lower	Upper
163	100		
194	4.3	3.3	4.9
164	9.4	8.7	13.1



Instrument :
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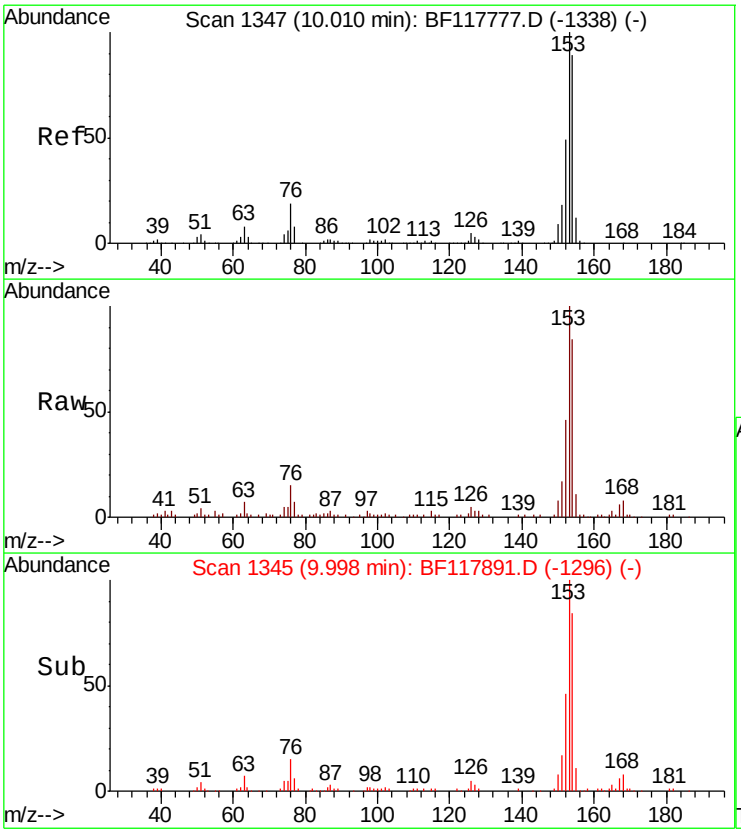
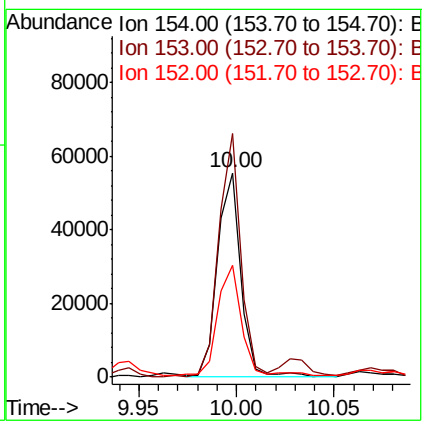
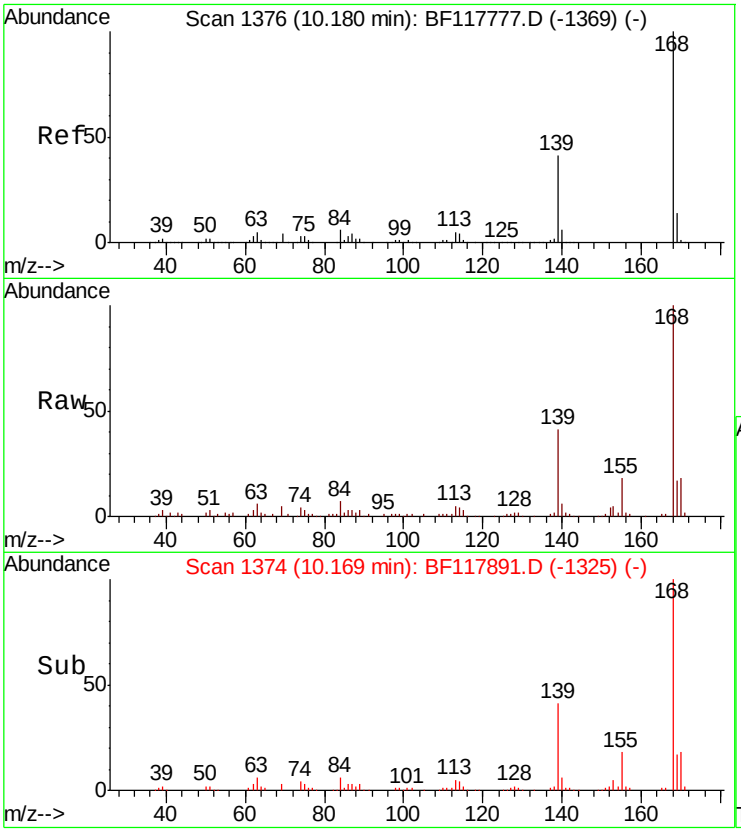


#52
Acenaphthene
Concen: 3.450 ng
RT: 10.00 min Scan# 1345
Delta R.T. -0.01 min
Lab File: BF117891.D
Acq: 20 Nov 2019 14:25

Tgt Ion:154 Resp: 46369

Ion	Ratio	Lower	Upper
154	100		
153	119.2	90.1	135.1
152	54.7	44.0	66.0

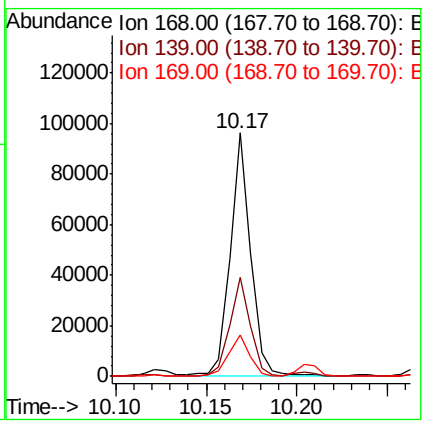




#55
Dibenzofuran
Concen: 4.079 ng
RT: 10.17 min Scan# 1374
Delta R.T. -0.01 min
Lab File: BF117891.D
Acq: 20 Nov 2019 14:25

Tgt Ion:168 Resp: 75915

Ion	Ratio	Lower	Upper
168	100		
139	40.6	33.0	49.6
169	17.0	11.5	17.3



Instrument :
BNA_F
ClientSampleId :
SU-01-111519DL

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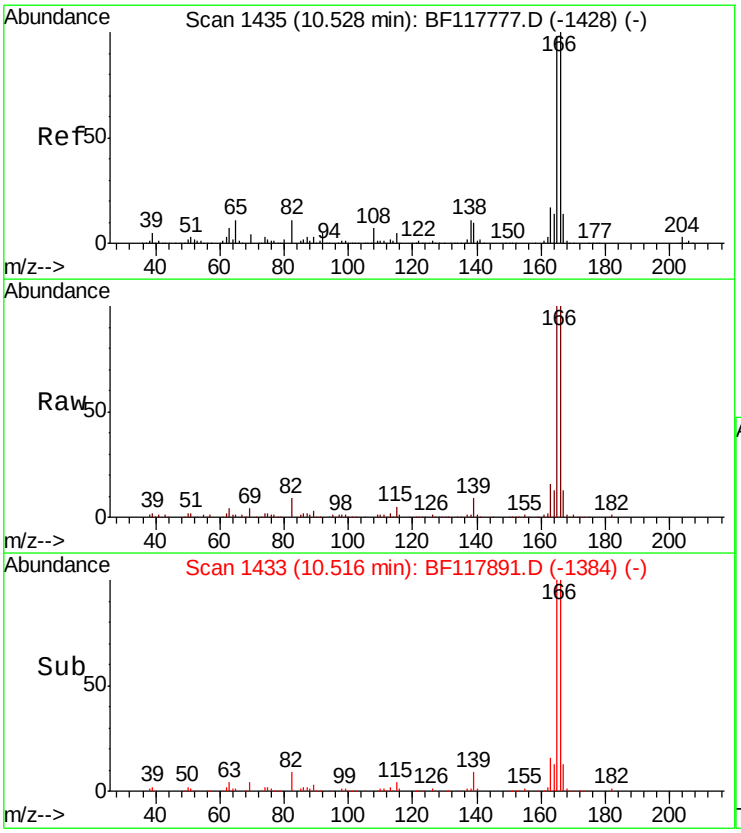
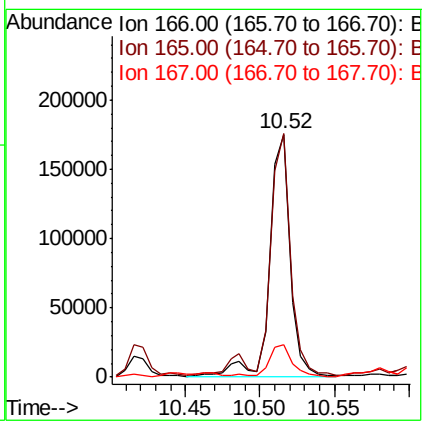
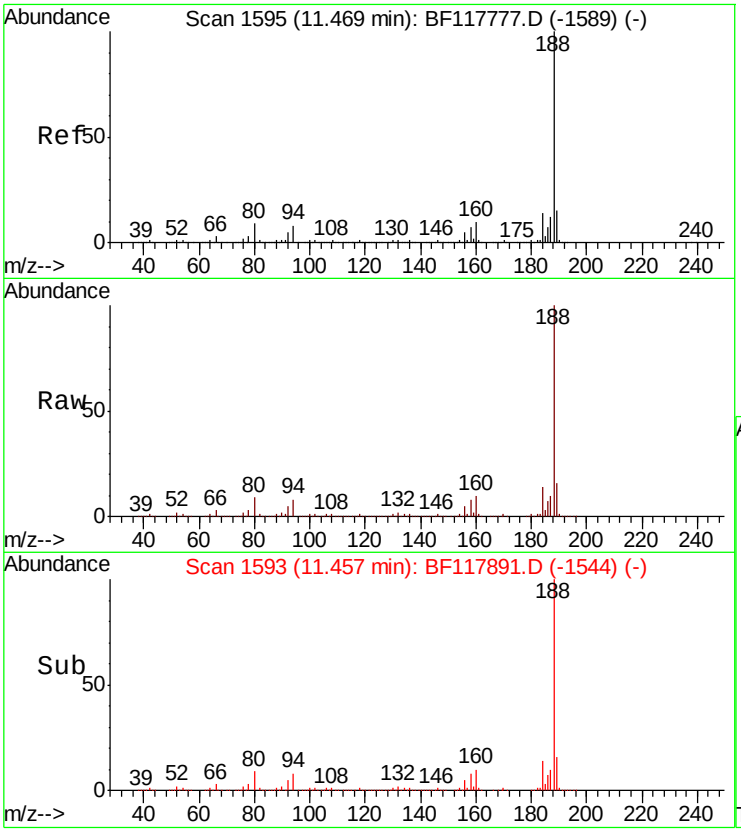


#58
Fluorene
Concen: 11.400 ng
RT: 10.52 min Scan# 1433
Delta R.T. -0.01 min
Lab File: BF117891.D
Acq: 20 Nov 2019 14:25

Tgt Ion:166 Resp: 164426

Ion	Ratio	Lower	Upper
166	100		
165	100.4	78.4	117.6
167	13.3	11.0	16.4

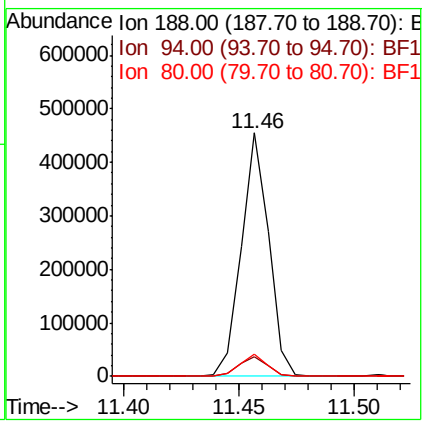




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.46 min Scan# 1593
Delta R.T. -0.01 min
Lab File: BF117891.D
Acq: 20 Nov 2019 14:25

Tgt Ion:188 Resp: 378185

Ion	Ratio	Lower	Upper
188	100		
94	8.2	6.6	10.0
80	9.1	7.2	10.8



Instrument :
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ClientSampleId :
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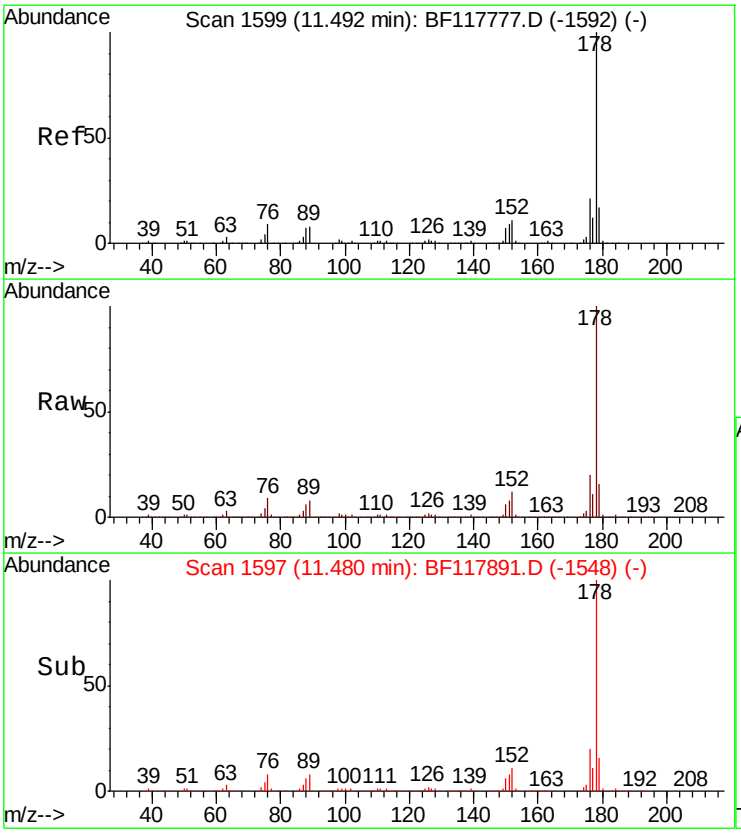
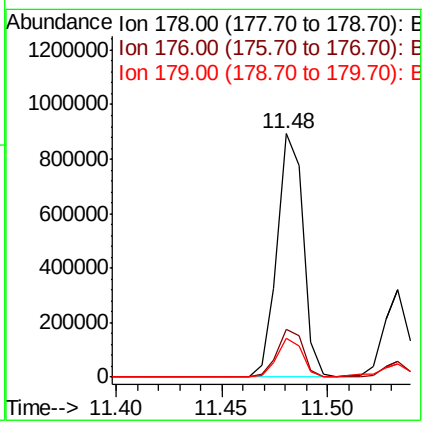
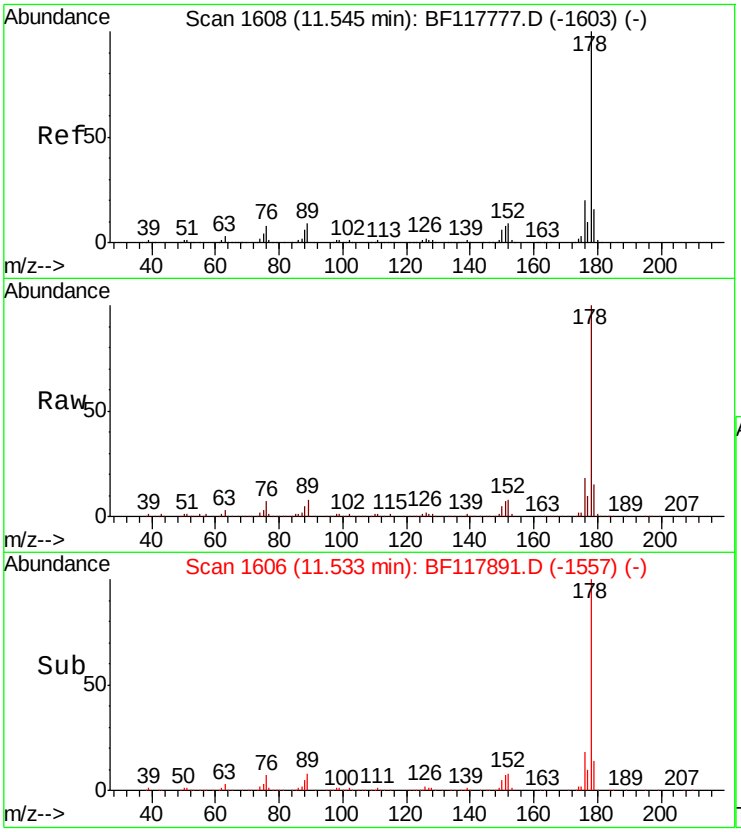


#71
Phenanthrene
Concen: 40.488 ng
RT: 11.48 min Scan# 1597
Delta R.T. -0.01 min
Lab File: BF117891.D
Acq: 20 Nov 2019 14:25

Tgt Ion:178 Resp: 769844

Ion	Ratio	Lower	Upper
178	100		
176	19.7	16.6	25.0
179	15.9	13.2	19.8

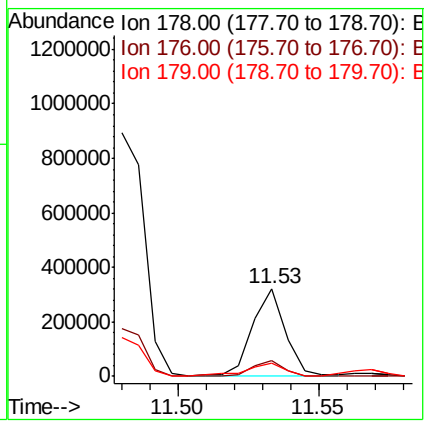




#72
Anthracene
Concen: 13.428 ng
RT: 11.53 min Scan# 1606
Delta R.T. -0.01 min
Lab File: BF117891.D
Acq: 20 Nov 2019 14:25

Tgt Ion:178 Resp: 253148

Ion	Ratio	Lower	Upper
178	100		
176	18.2	16.1	24.1
179	14.7	13.0	19.4



Instrument :
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ClientSampleId :
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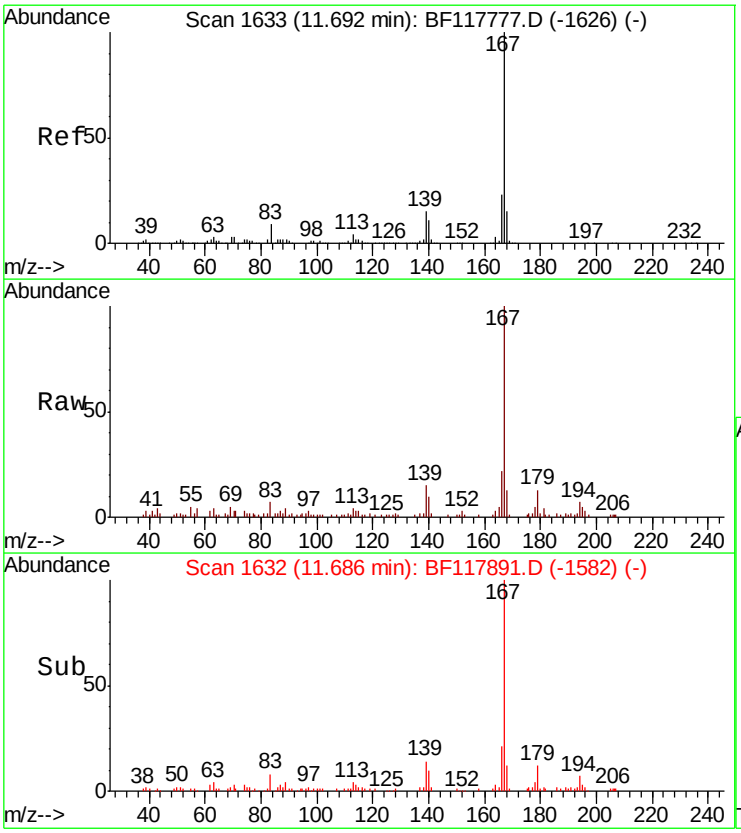
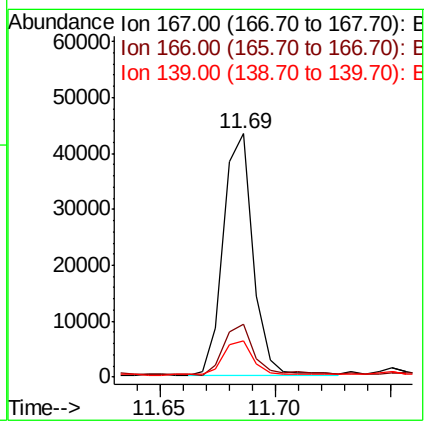
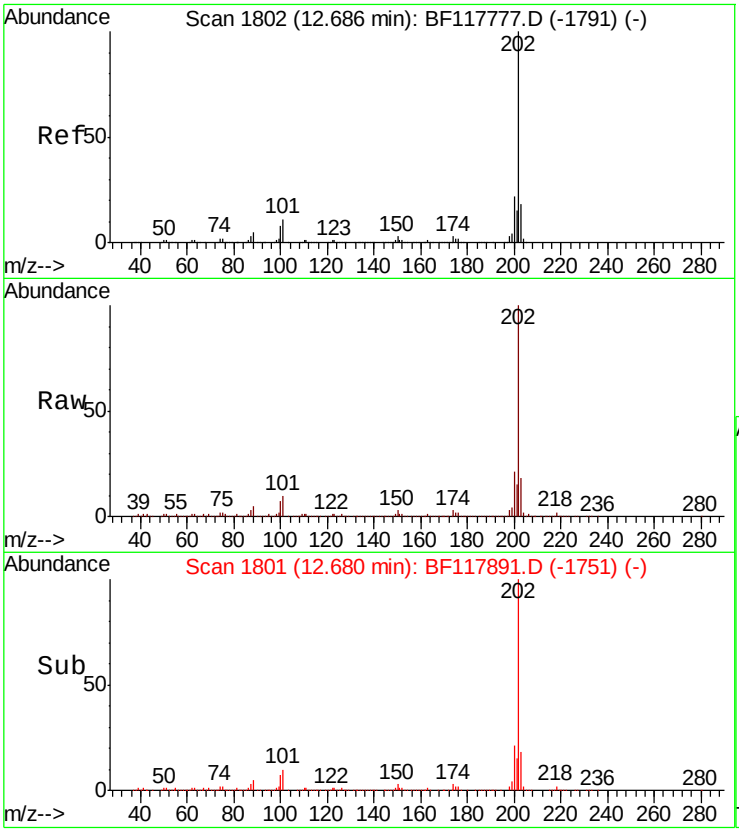


#73
Carbazole
Concen: 2.341 ng
RT: 11.69 min Scan# 1632
Delta R.T. -0.01 min
Lab File: BF117891.D
Acq: 20 Nov 2019 14:25

Tgt Ion:167 Resp: 38569

Ion	Ratio	Lower	Upper
167	100		
166	21.9	18.0	27.0
139	14.8	11.7	17.5

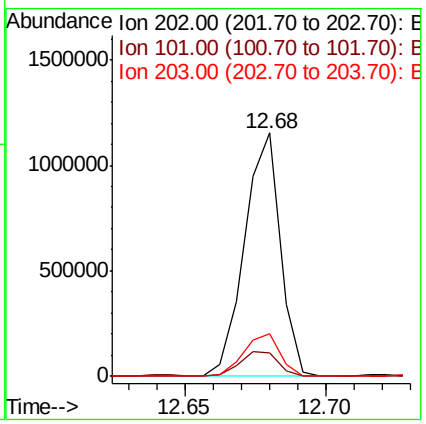




#75
Fluoranthene
Concen: 61.310 ng
RT: 12.68 min Scan# 1801
Delta R.T. -0.01 min
Lab File: BF117891.D
Acq: 20 Nov 2019 14:25

Tgt Ion:202 Resp: 1014343

Ion	Ratio	Lower	Upper
202	100		
101	9.7	0.0	31.1
203	17.7	0.0	38.2



Instrument :
BNA_F
ClientSampleId :
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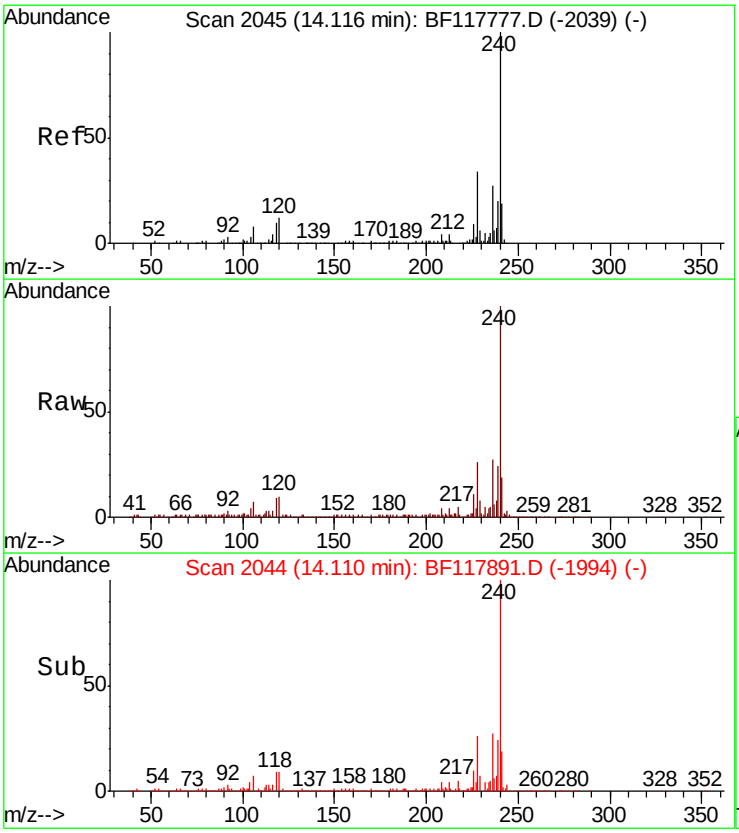
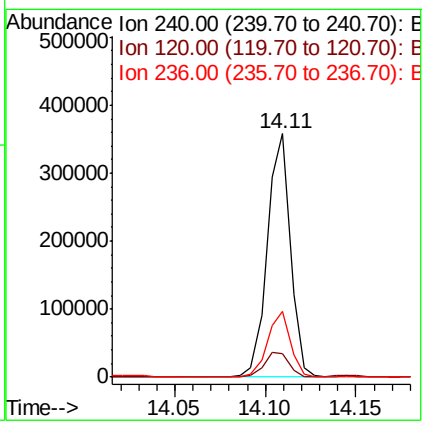
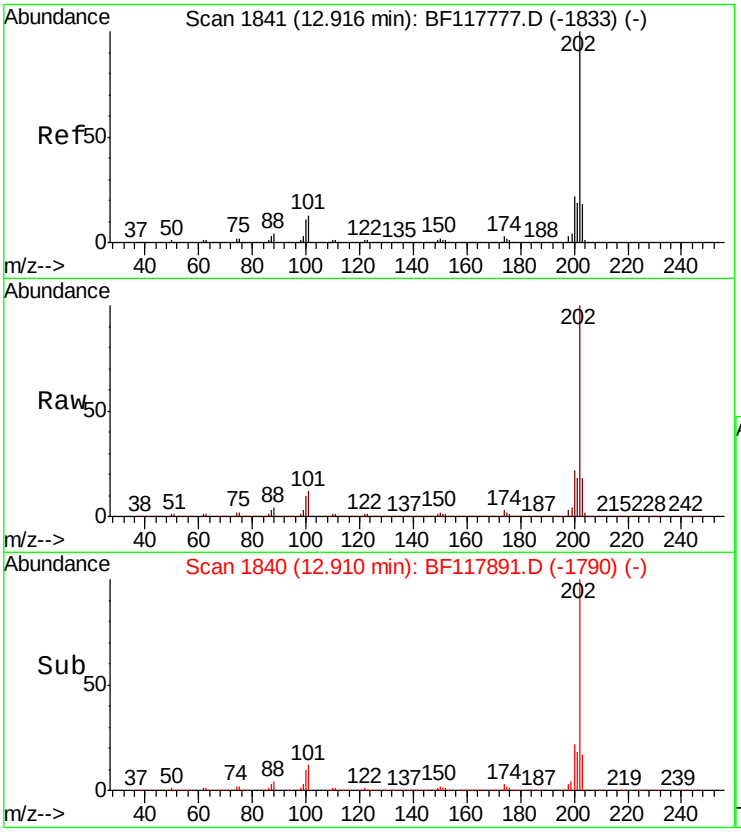


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.11 min Scan# 2044
Delta R.T. -0.01 min
Lab File: BF117891.D
Acq: 20 Nov 2019 14:25

Tgt Ion:240 Resp: 316252

Ion	Ratio	Lower	Upper
240	100		
120	9.6	9.5	14.3
236	26.8	21.3	31.9

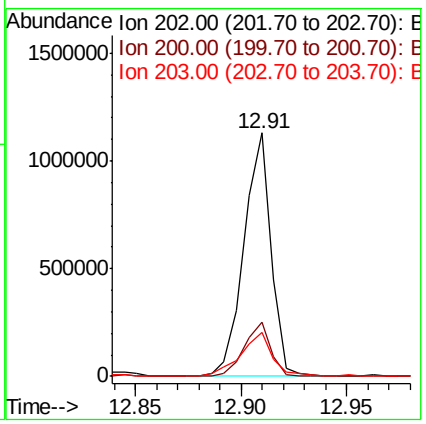




#78
Pyrene
Concen: 39.482 ng
RT: 12.91 min Scan# 1840
Delta R.T. -0.01 min
Lab File: BF117891.D
Acq: 20 Nov 2019 14:25

Tgt Ion:202 Resp: 1009070

Ion	Ratio	Lower	Upper
202	100		
200	22.3	17.8	26.8
203	18.2	14.6	22.0



Instrument :
BNA_F
ClientSampleId :
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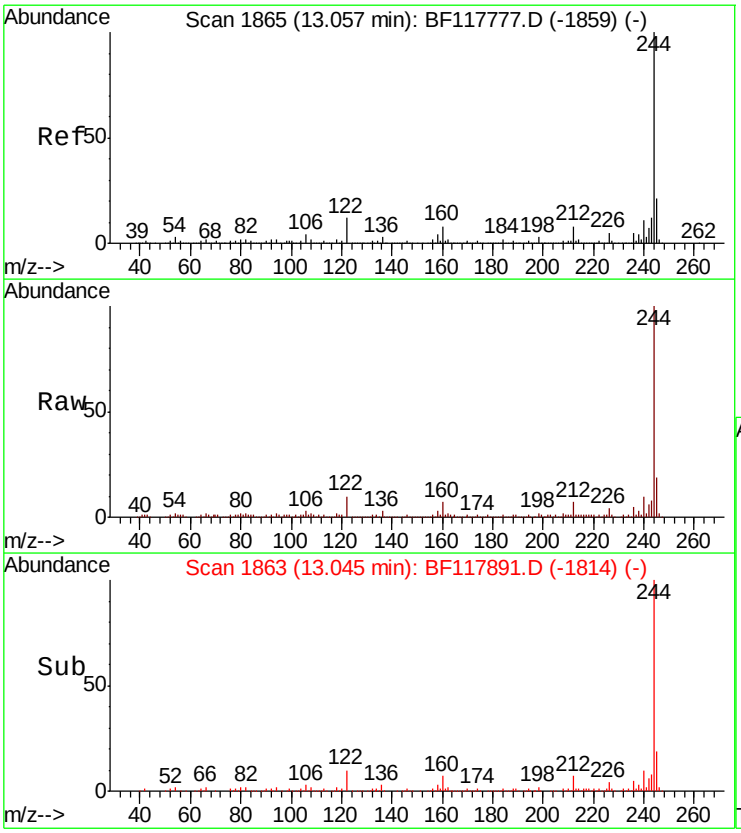
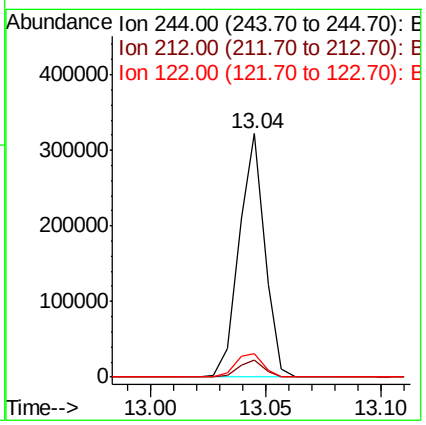
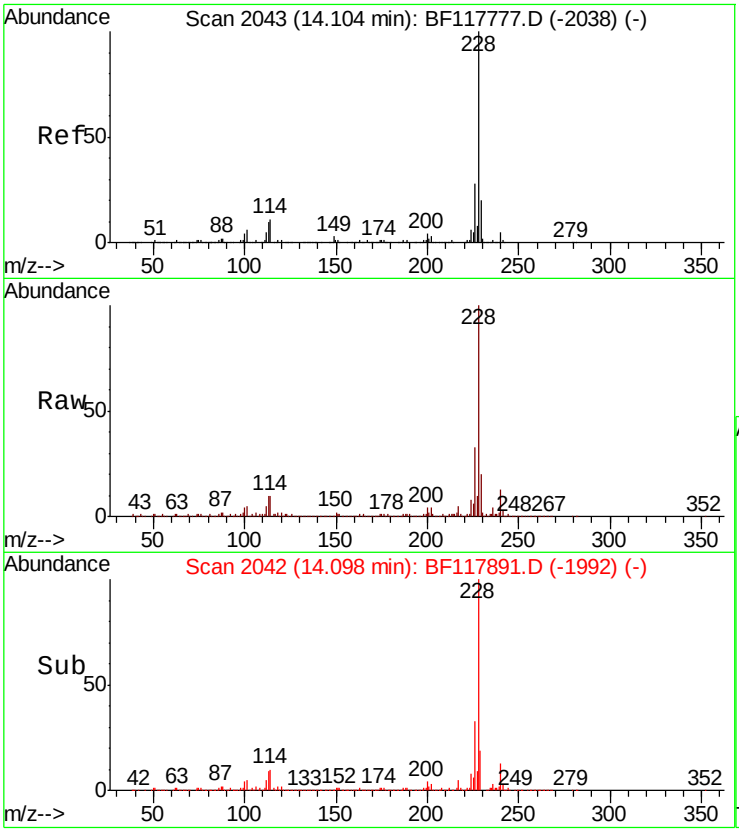


#79
Terphenyl-d14
Concen: 14.481 ng
RT: 13.04 min Scan# 1863
Delta R.T. -0.01 min
Lab File: BF117891.D
Acq: 20 Nov 2019 14:25

Tgt Ion:244 Resp: 250577

Ion	Ratio	Lower	Upper
244	100		
212	6.9	6.3	9.5
122	9.7	9.4	14.2

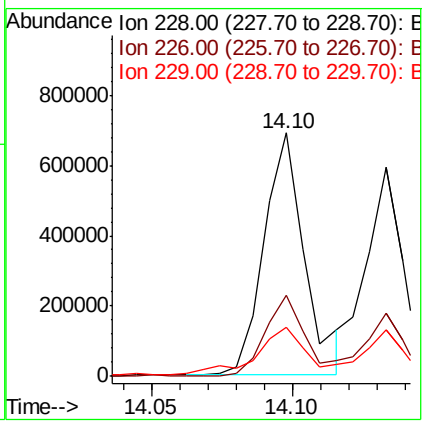




#81
Benzo(a)anthracene
Concen: 33.148 ng
RT: 14.10 min Scan# 2042
Delta R.T. -0.01 min
Lab File: BF117891.D
Acq: 20 Nov 2019 14:25

Tgt Ion:228 Resp: 692749

Ion	Ratio	Lower	Upper
228	100		
226	33.1	22.2	33.2
229	20.3	15.9	23.9



Instrument :
BNA_F
ClientSampleId :
SU-01-111519DL

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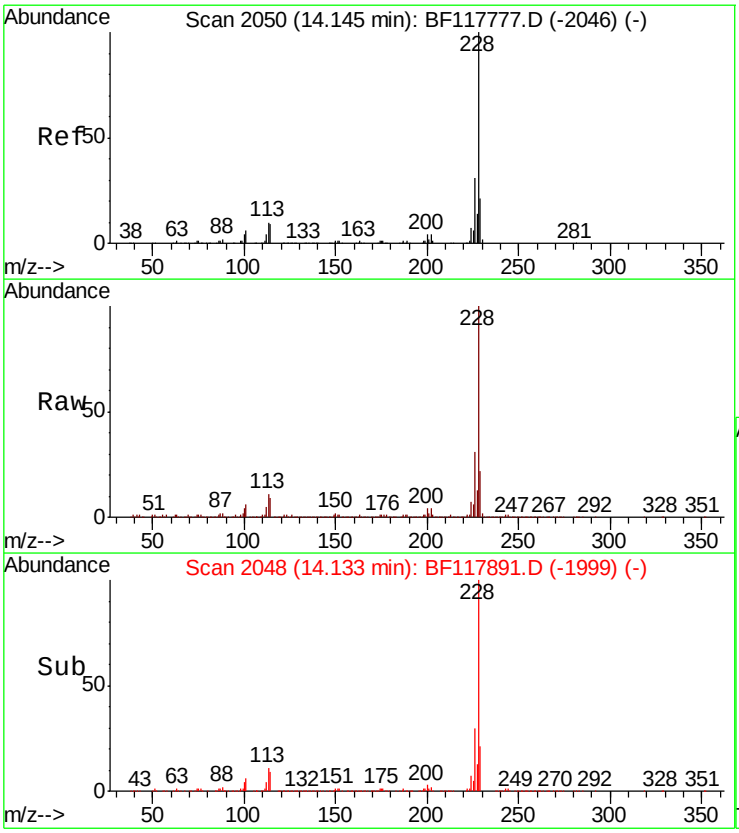
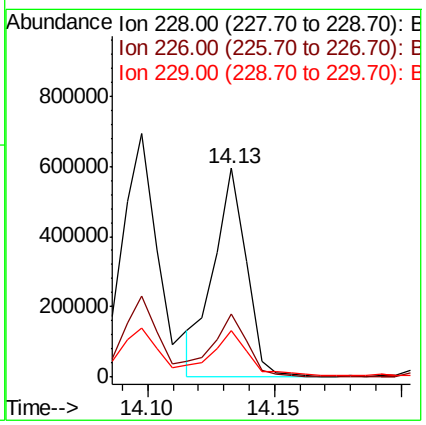
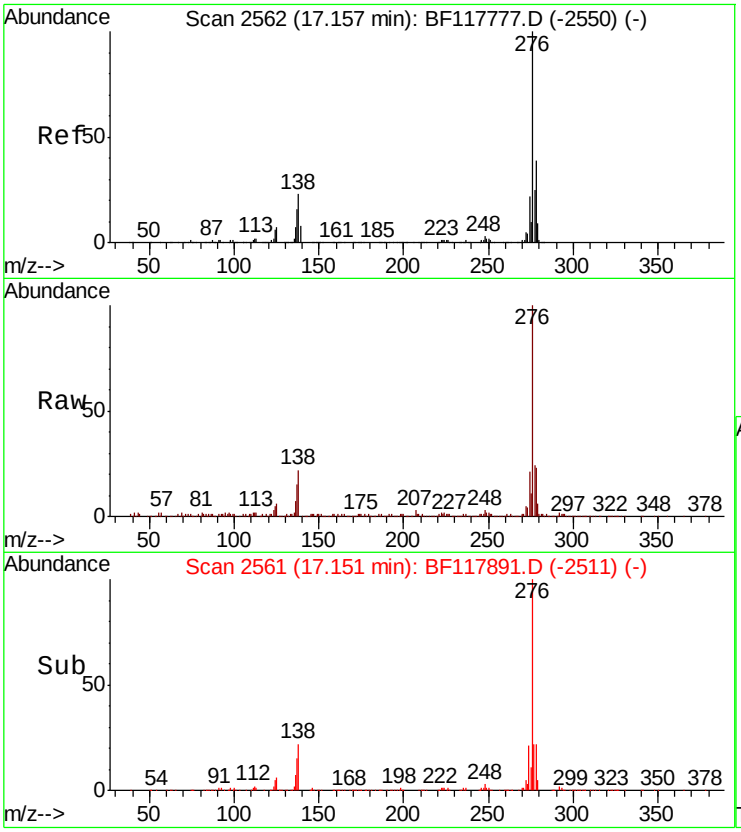


#83
Chrysene
Concen: 25.992 ng
RT: 14.13 min Scan# 2048
Delta R.T. -0.01 min
Lab File: BF117891.D
Acq: 20 Nov 2019 14:25

Tgt Ion:228 Resp: 526361

Ion	Ratio	Lower	Upper
228	100		
226	30.5	25.0	37.4
229	22.1	16.6	25.0

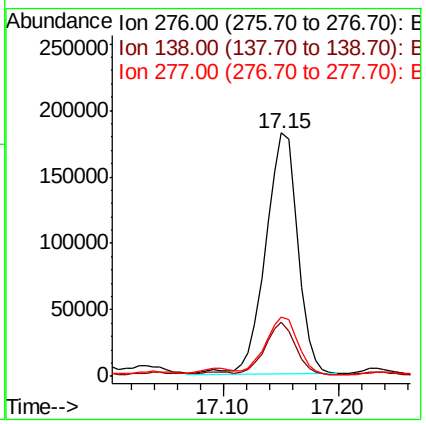




#86
Indeno(1,2,3-cd)pyrene
Concen: 20.408 ng
RT: 17.15 min Scan# 2561
Delta R.T. -0.01 min
Lab File: BF117891.D
Acq: 20 Nov 2019 14:25

Tgt Ion:276 Resp: 351732

Ion	Ratio	Lower	Upper
276	100		
138	20.9	20.9	31.3
277	24.6	20.3	30.5



Instrument :
BNA_F
ClientSampleId :
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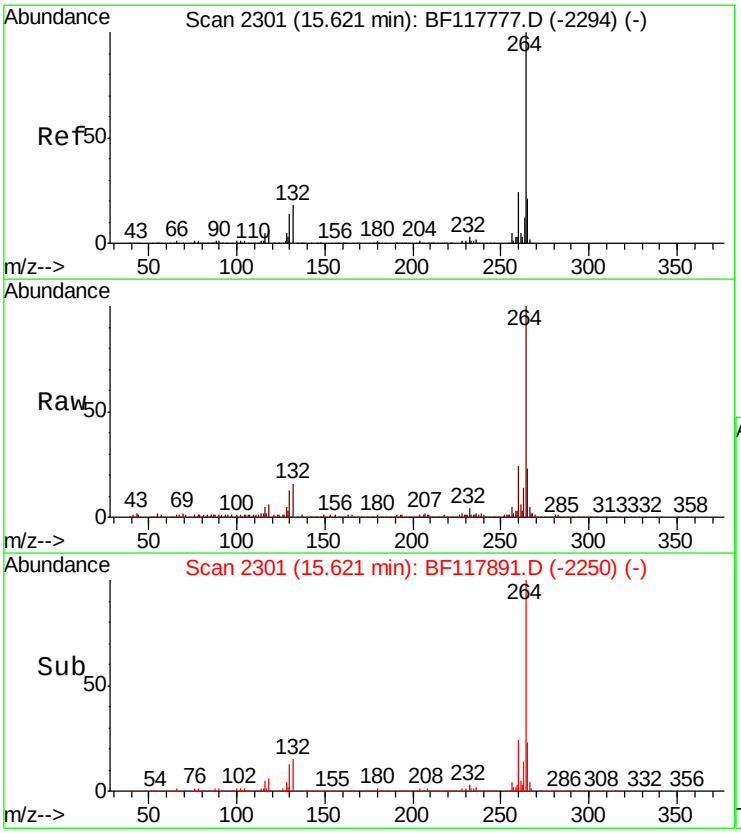
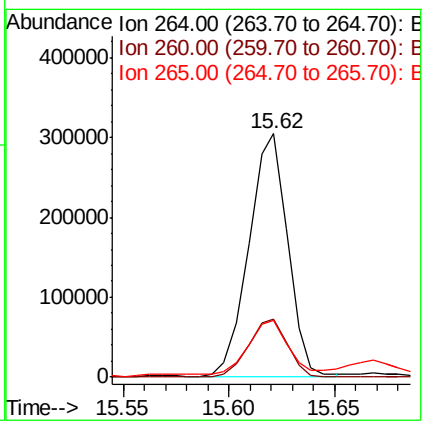
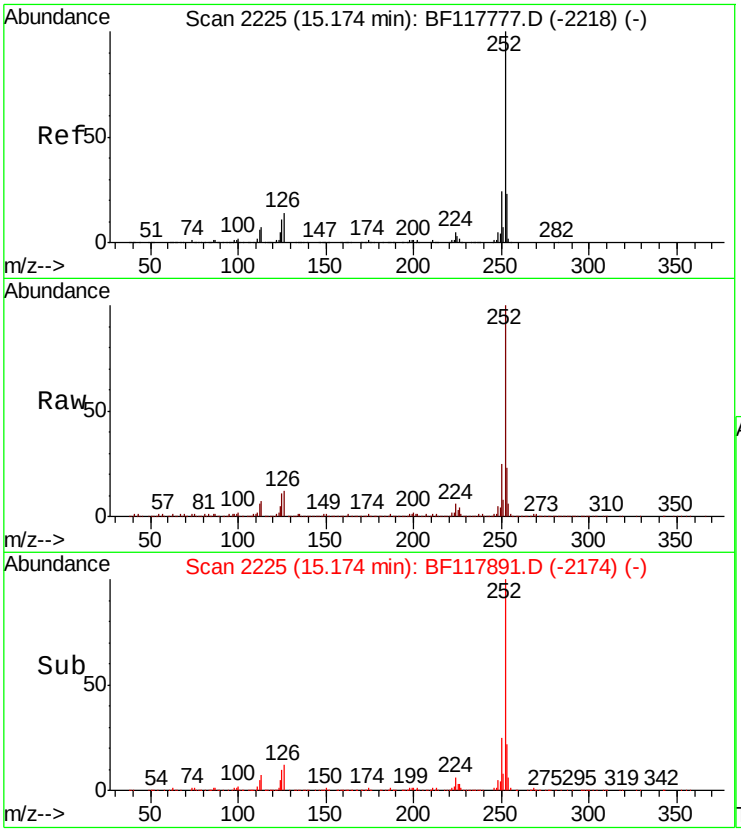


#87
Perylene-d12
Concen: 20.000 ng
RT: 15.62 min Scan# 2301
Delta R.T. -0.00 min
Lab File: BF117891.D
Acq: 20 Nov 2019 14:25

Tgt Ion:264 Resp: 386517

Ion	Ratio	Lower	Upper
264	100		
260	24.0	19.4	29.0
265	23.1	17.1	25.7

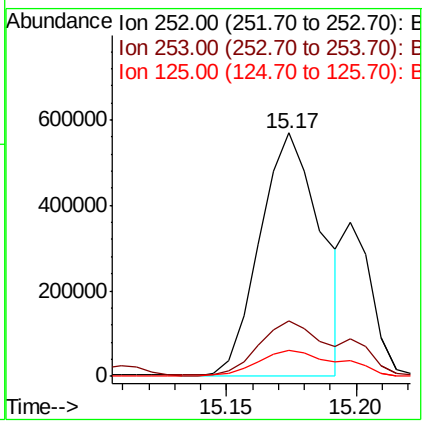




#88
Benzo(b)fluoranthene
Concen: 37.424 ng m
RT: 15.17 min Scan# 2225
Delta R.T. -0.00 min
Lab File: BF117891.D
Acq: 20 Nov 2019 14:25

Tgt Ion:252 Resp: 939806

Ion	Ratio	Lower	Upper
252	100		
253	22.5	18.0	27.0
125	10.6	8.6	13.0



Instrument :
BNA_F
ClientSampleId :
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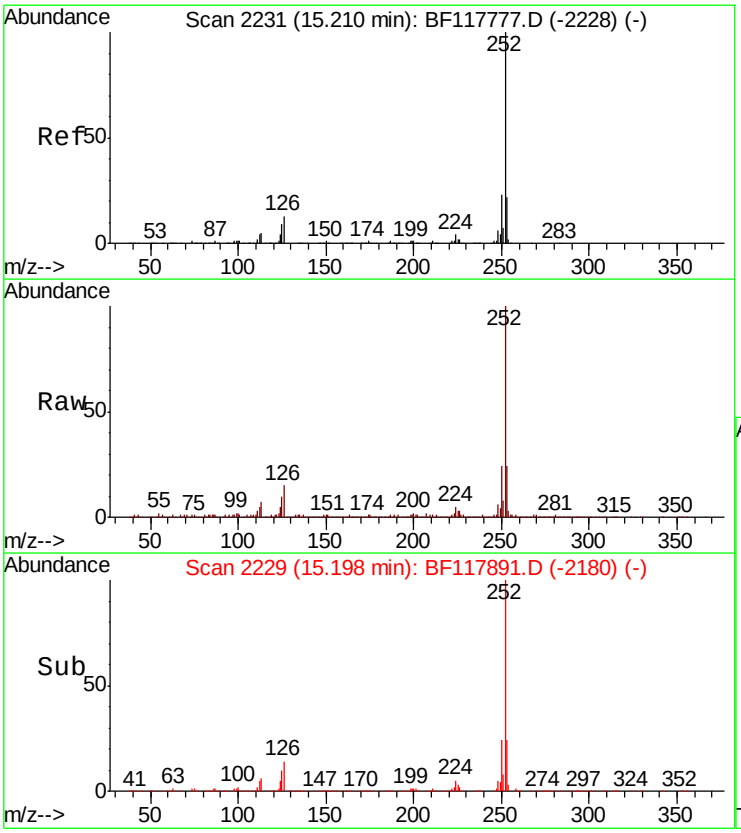
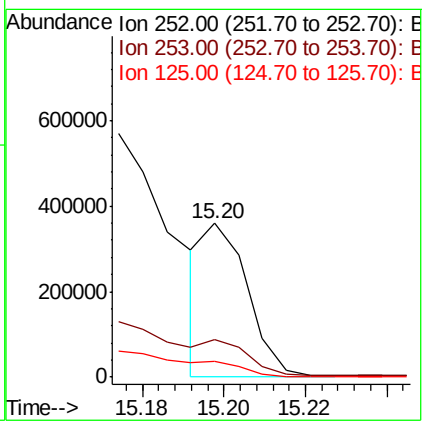
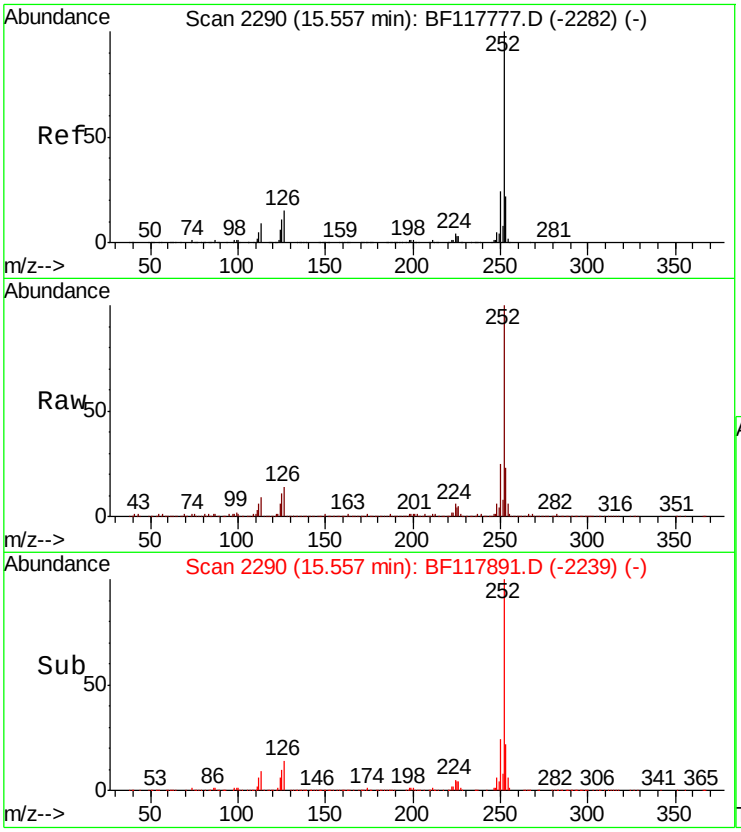


#89
Benzo(k)fluoranthene
Concen: 11.369 ng m
RT: 15.20 min Scan# 2229
Delta R.T. -0.01 min
Lab File: BF117891.D
Acq: 20 Nov 2019 14:25

Tgt Ion:252 Resp: 269002

Ion	Ratio	Lower	Upper
252	100		
253	24.4	17.5	26.3
125	10.3	7.9	11.9

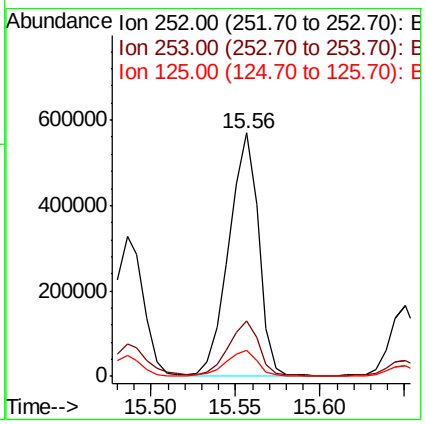




#90
Benzo(a)pyrene
Concen: 31.508 ng
RT: 15.56 min Scan# 2290
Delta R.T. -0.00 min
Lab File: BF117891.D
Acq: 20 Nov 2019 14:25

Tgt Ion:252 Resp: 695755

Ion	Ratio	Lower	Upper
252	100		
253	23.0	17.8	26.6
125	10.8	9.2	13.8



Instrument :
BNA_F
ClientSampleId :
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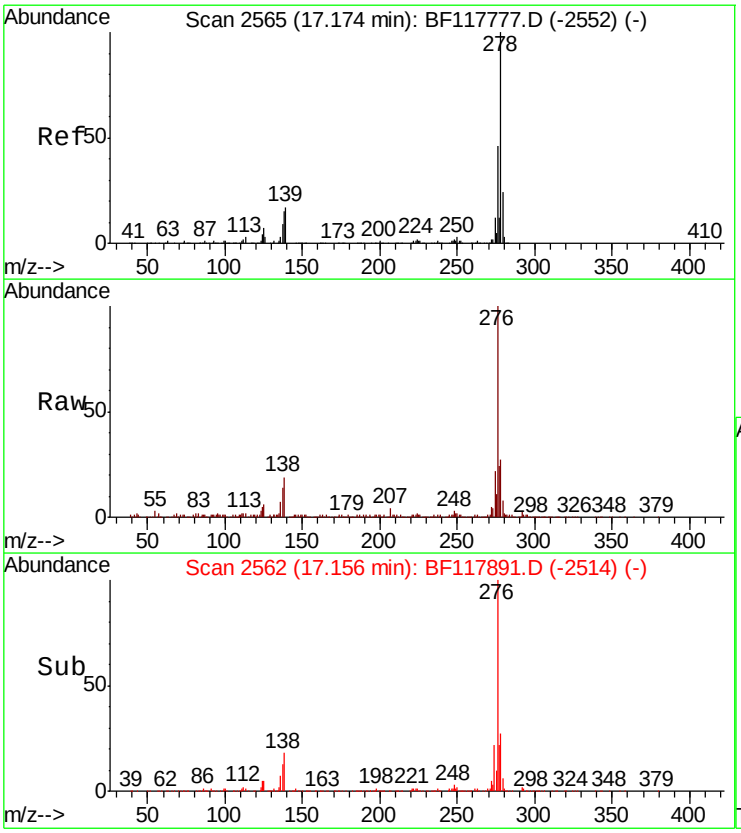
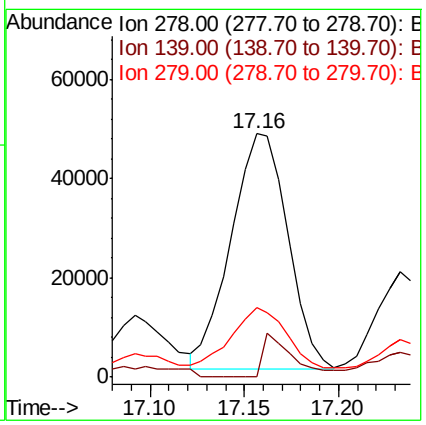
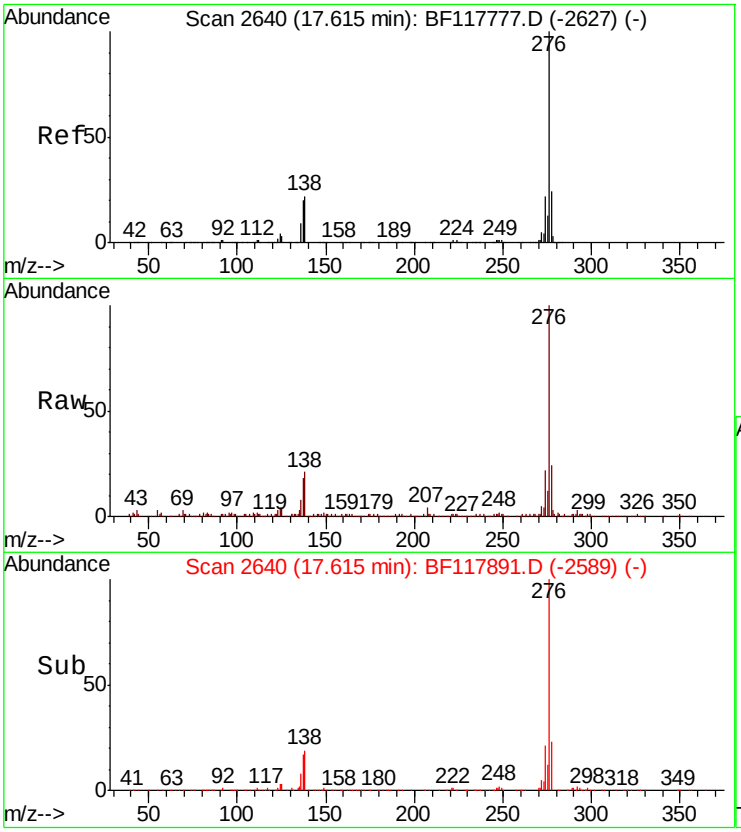


#91
Dibenzo(a,h)anthracene
Concen: 5.255 ng m
RT: 17.16 min Scan# 2562
Delta R.T. -0.02 min
Lab File: BF117891.D
Acq: 20 Nov 2019 14:25

Tgt Ion:278 Resp: 99880

Ion	Ratio	Lower	Upper
278	100		
139	0.0	13.8	20.8#
279	28.4	19.6	29.4

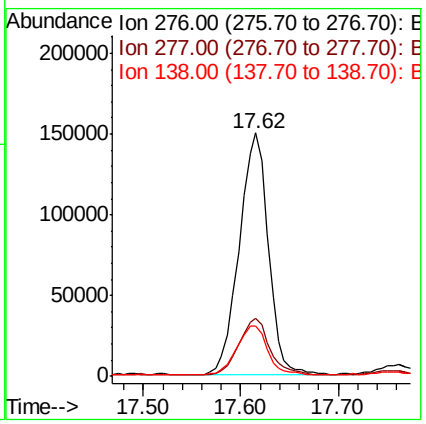




#92
Benzo(g,h,i)perylene
Concen: 16.412 ng
RT: 17.62 min Scan# 2640
Delta R.T. -0.00 min
Lab File: BF117891.D
Acq: 20 Nov 2019 14:25

Tgt Ion:276 Resp: 310700

Ion	Ratio	Lower	Upper
276	100		
277	23.9	18.9	28.3
138	20.6	17.4	26.2



Instrument :
BNA_F
ClientSampleId :
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