Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF112619\
Data File : BF118011.D
Acq On : 26 Nov 2019 17:04
Operator : JU
Sample : K5672-01DL 10X
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
EO-02-112219DL

Manual Integrations APPROVED
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11/27/2019 11:33:39 PM

Quant Time: Nov 27 00:49:37 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF111319.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Nov 26 05:38:20 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.89	152	118673	20.00	ng		0.00
21) Naphthalene-d8	8.18	136	440638	20.00	ng		0.00
39) Acenaphthene-d10	9.95	164	200039	20.00	ng		0.00
64) Phenanthrene-d10	11.44	188	315211	20.00	ng		0.00
76) Chrysene-d12	14.10	240	278232	20.00	ng		0.01
87) Perylene-d12	15.61	264	259368	20.00	ng		0.03
System Monitoring Compounds							
5) 2-Fluorophenol	5.50	112	81494	12.16	ng		0.00
7) Phenol-d6	6.51	99	85213	10.54	ng		-0.01
23) Nitrobenzene-d5	7.45	82	47548	6.41	ng		-0.01
42) 2,4,6-Tribromophenol	10.74	330	17079	8.06	ng		0.00
45) 2-Fluorobiphenyl	9.26	172	96369	8.64	ng		0.00
79) Terphenyl-d14	13.03	244	85026	5.59	ng		0.00
Target Compounds							Qvalue
31) Naphthalene	8.20	128	130805	6.368	ng		97
37) 2-Methylnaphthalene	8.90	142	111853	8.059	ng		97
38) 1-Methylnaphthalene	9.00	142	105108	8.010	ng		100
49) Acenaphthylene	9.80	152	97792	5.494	ng	#	97
52) Acenaphthene	9.98	154	89370	7.838	ng		100
55) Dibenzofuran	10.15	168	80189	5.078	ng	#	94
58) Fluorene	10.50	166	188600	15.413	ng		98
71) Phenanthrene	11.47	178	951490	60.039	ng		98
72) Anthracene	11.52	178	332887	21.186	ng		97
73) Carbazole	11.67	167	47847	3.485	ng		95
75) Fluoranthene	12.67	202	807976	58.193	ng		99
78) Pyrene	12.90	202	917629	40.810	ng		99
81) Benzo(a)anthracene	14.09	228	507832	27.621	ng		93
83) Chrysene	14.12	228	428784	24.067	ng		97
86) Indeno(1,2,3-cd)pyrene	17.13	276	140161	9.244	ng		96
88) Benzo(b)fluoranthene	15.16	252	416228m	24.700	ng		
89) Benzo(k)fluoranthene	15.19	252	110200m	6.941	ng		
90) Benzo(a)pyrene	15.54	252	314429	21.219	ng		98
91) Dibenzo(a,h)anthracene	17.14	278	43692	3.426	ng	#	84
92) Benzo(g,h,i)perylene	17.60	276	137715	10.841	ng		96

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

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Instrument :
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EO-02-112219DL

Manual Integrations APPROVED
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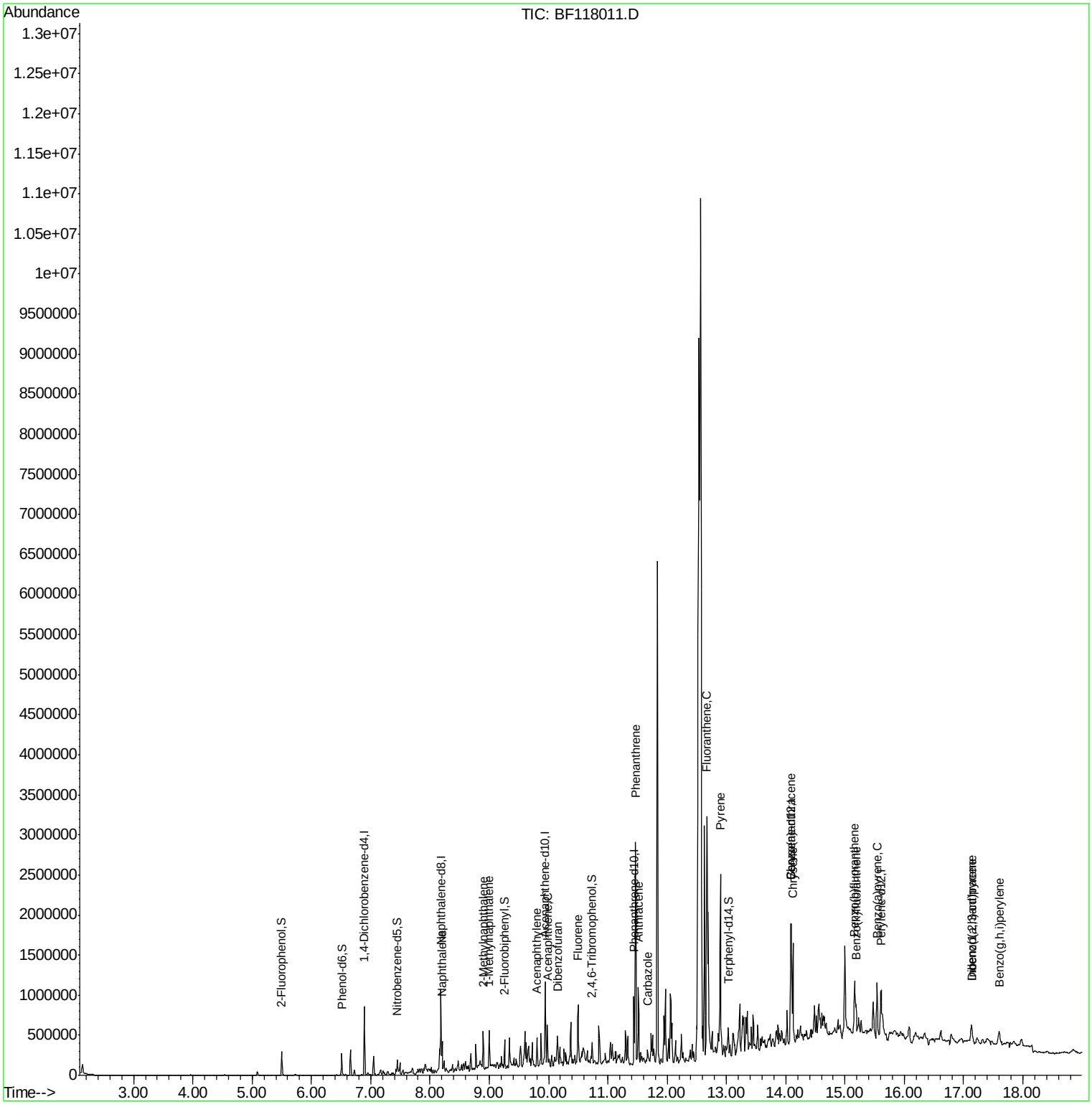
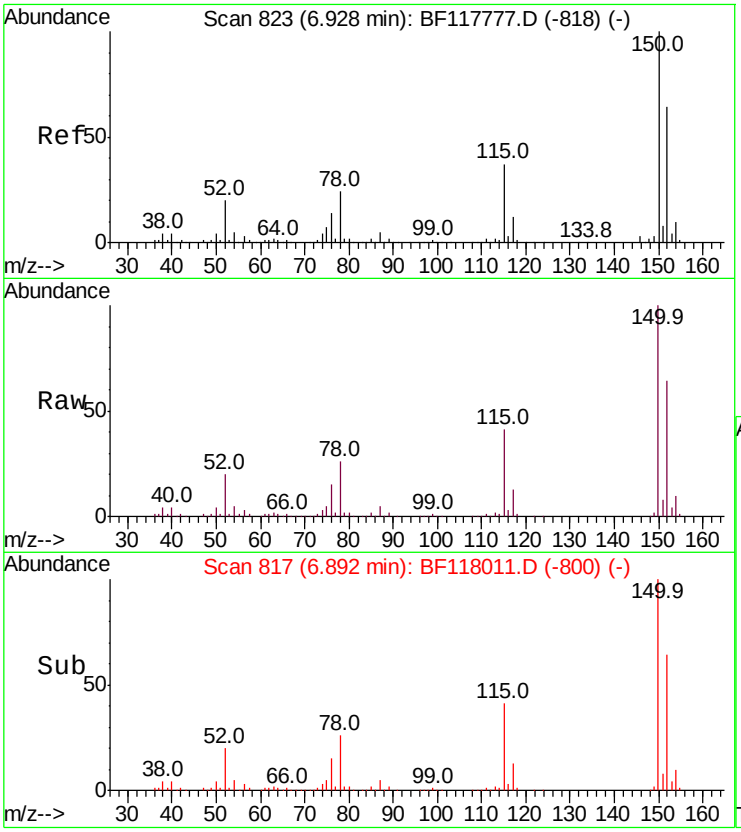
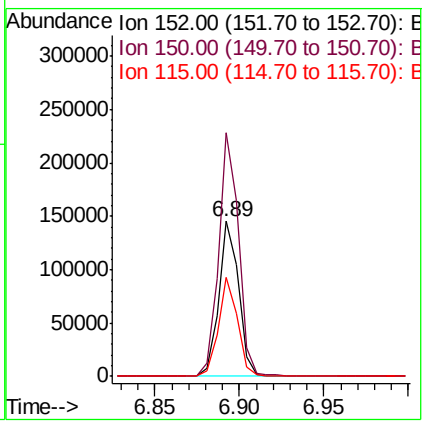




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.89 min Scan# 817
Delta R.T. -0.00 min
Lab File: BF118011.D
Acq: 26 Nov 2019 17:04

Tgt Ion:152 Resp: 118673

Ion	Ratio	Lower	Upper
152	100		
150	157.2	125.3	187.9
115	63.9	47.0	70.4



Instrument :
BNA_F
ClientSampleId :
EO-02-112219DL

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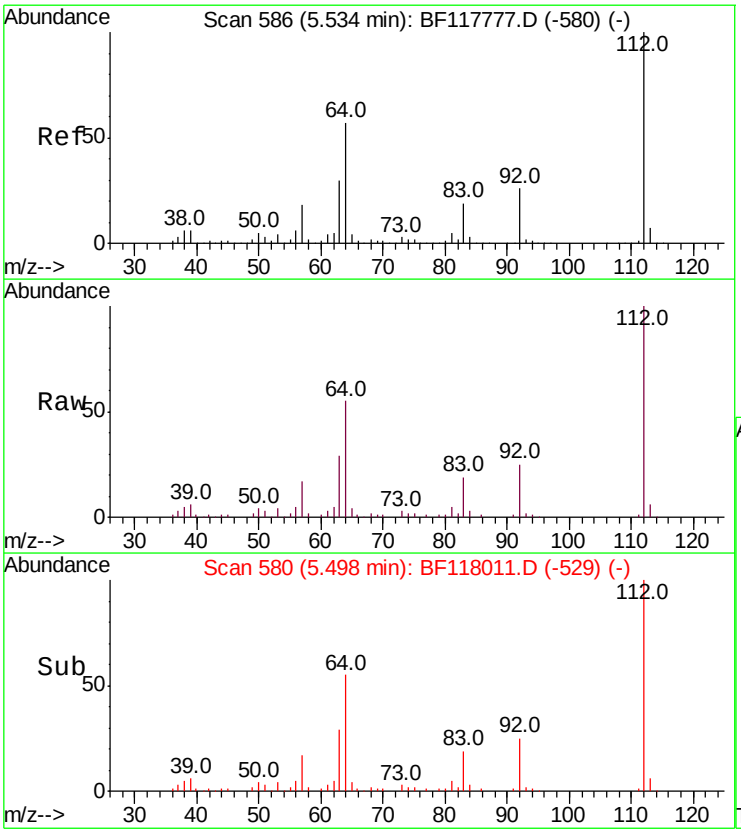
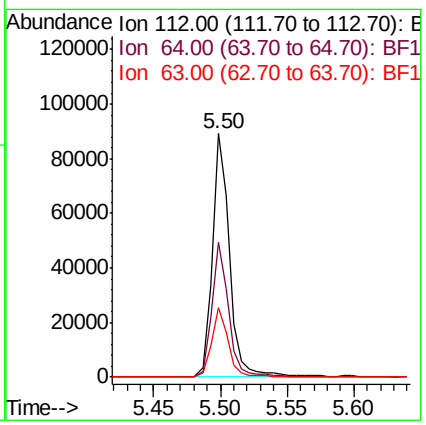
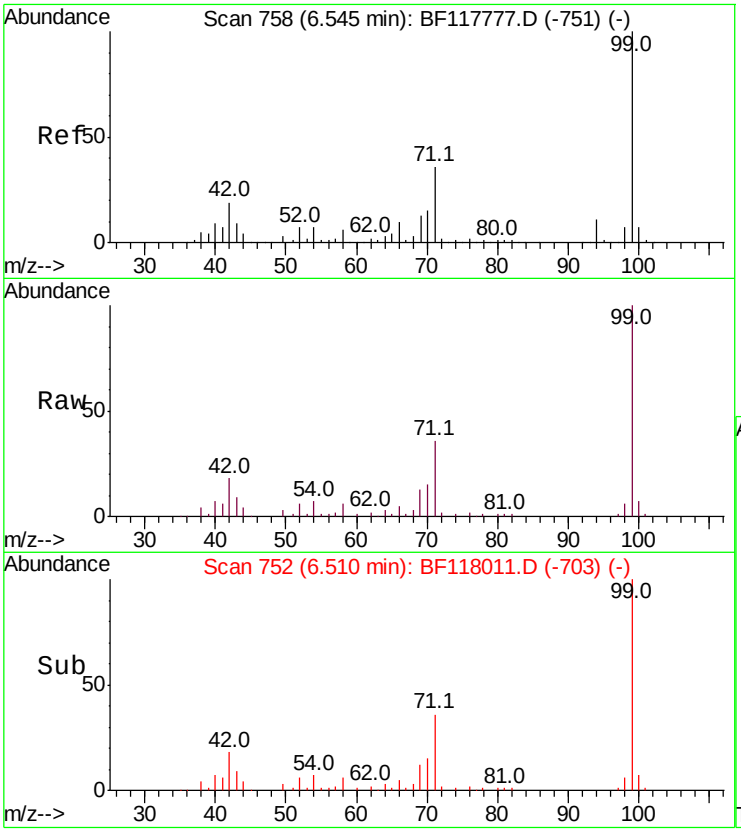


#5
2-Fluorophenol
Concen: 12.156 ng
RT: 5.50 min Scan# 580
Delta R.T. -0.00 min
Lab File: BF118011.D
Acq: 26 Nov 2019 17:04

Tgt Ion:112 Resp: 81494

Ion	Ratio	Lower	Upper
112	100		
64	55.3	45.6	68.4
63	28.6	24.1	36.1

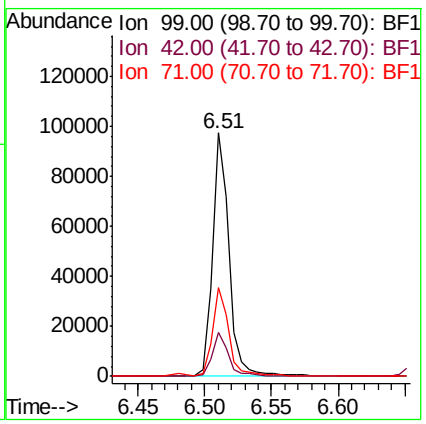




#7
Phenol-d6
Concen: 10.538 ng
RT: 6.51 min Scan# 752
Delta R.T. -0.01 min
Lab File: BF118011.D
Acq: 26 Nov 2019 17:04

Tgt Ion: 99 Resp: 85213

Ion	Ratio	Lower	Upper
99	100		
42	18.1	14.9	22.3
71	36.4	28.6	43.0



Instrument :
BNA_F
ClientSampleId :
EO-02-112219DL

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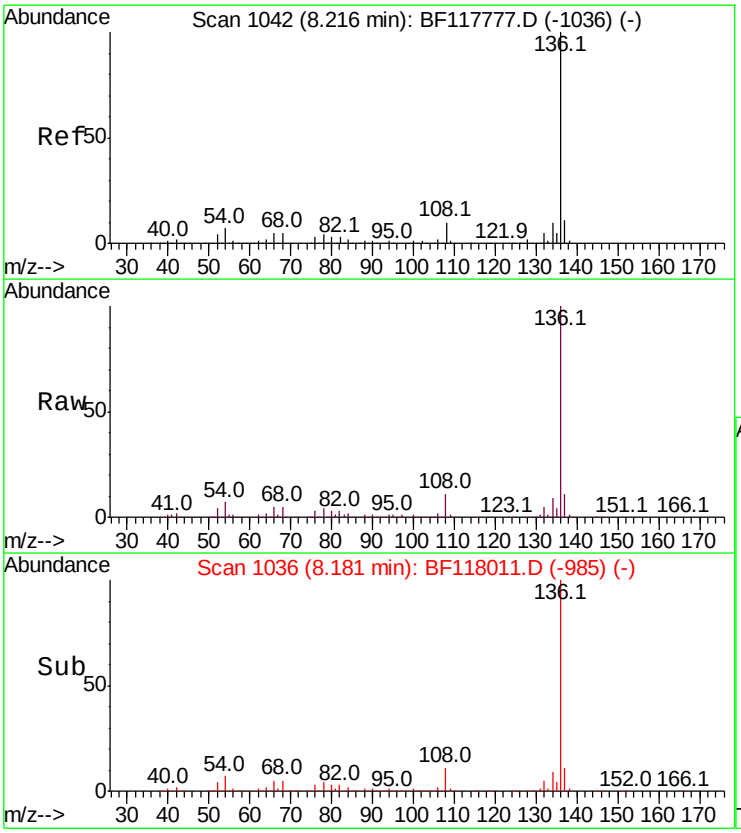
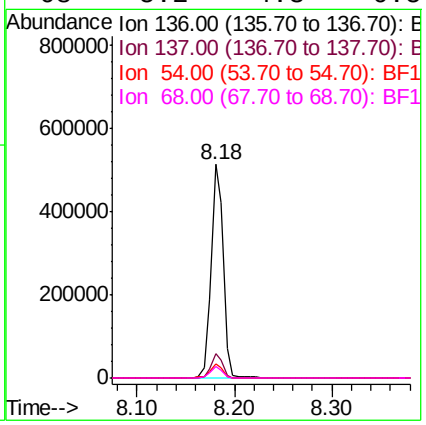
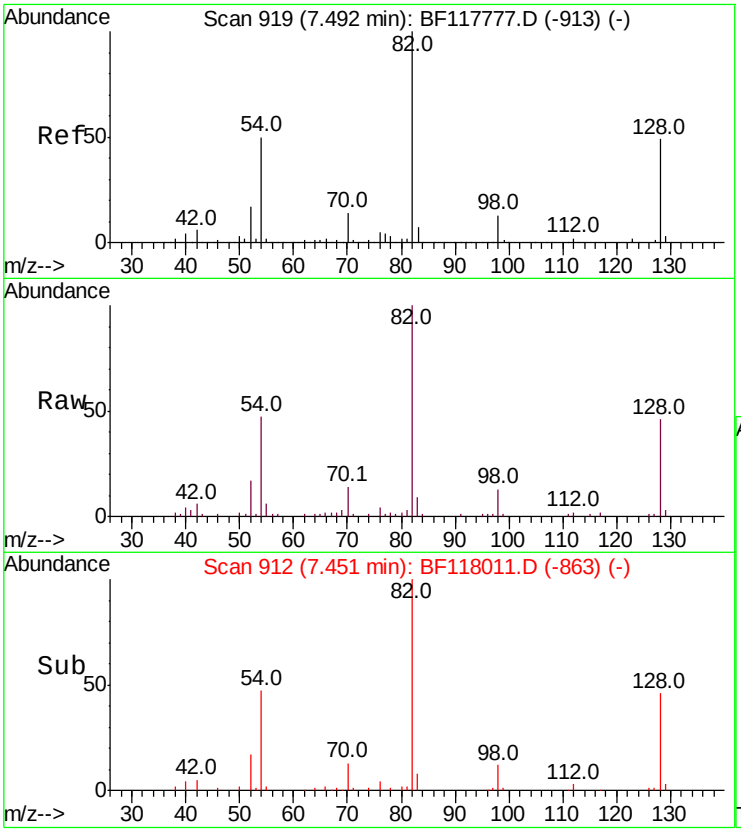


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.18 min Scan# 1036
Delta R.T. -0.00 min
Lab File: BF118011.D
Acq: 26 Nov 2019 17:04

Tgt Ion:136 Resp: 440638

Ion	Ratio	Lower	Upper
136	100		
137	11.5	9.0	13.4
54	6.8	5.4	8.2
68	5.2	4.3	6.5

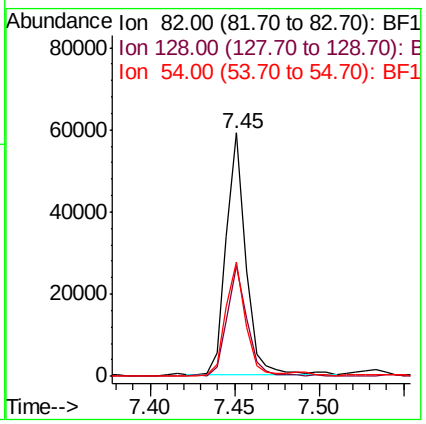




#23
Nitrobenzene-d5
Concen: 6.415 ng
RT: 7.45 min Scan# 912
Delta R.T. -0.01 min
Lab File: BF118011.D
Acq: 26 Nov 2019 17:04

Tgt Ion: 82 Resp: 47548

Ion	Ratio	Lower	Upper
82	100		
128	45.6	38.9	58.3
54	46.8	39.8	59.6



Instrument :
BNA_F
ClientSampleId :
EO-02-112219DL

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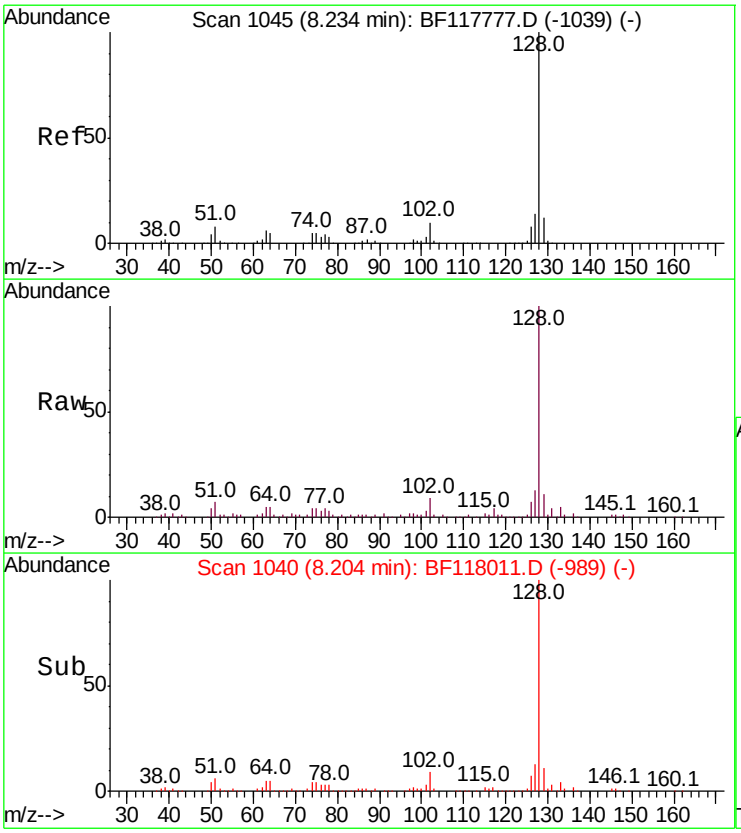
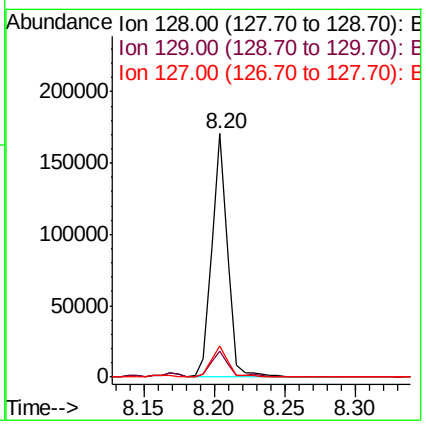
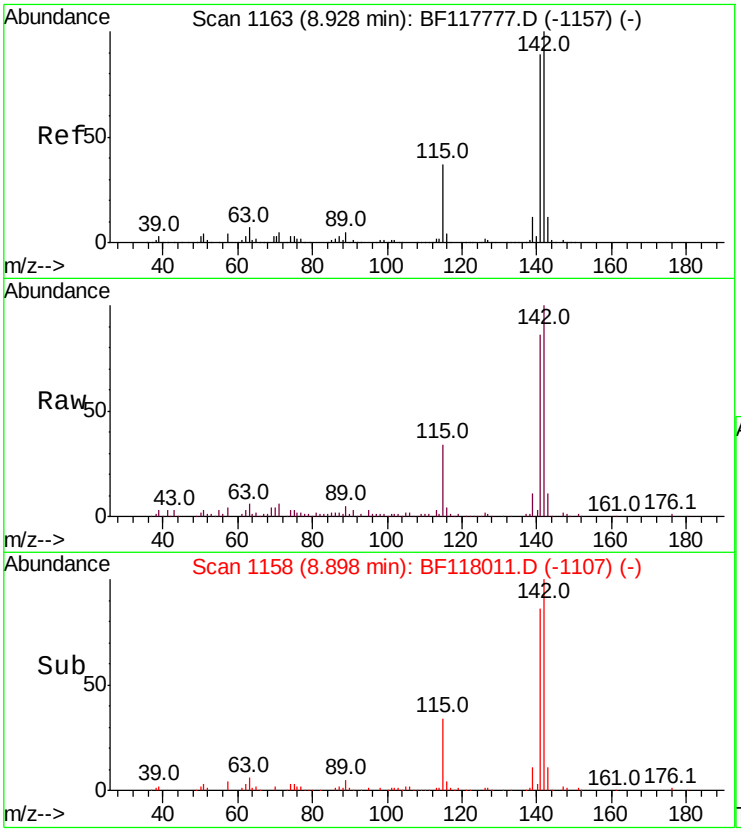


#31
Naphthalene
Concen: 6.368 ng
RT: 8.20 min Scan# 1040
Delta R.T. -0.00 min
Lab File: BF118011.D
Acq: 26 Nov 2019 17:04

Tgt Ion:128 Resp: 130805

Ion	Ratio	Lower	Upper
128	100		
129	10.6	9.5	14.3
127	12.7	11.3	16.9

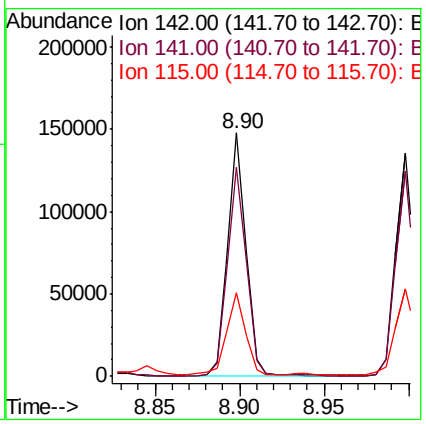




#37
2-Methylnaphthalene
Concen: 8.059 ng
RT: 8.90 min Scan# 1158
Delta R.T. -0.00 min
Lab File: BF118011.D
Acq: 26 Nov 2019 17:04

Tgt Ion:142 Resp: 111853

Ion	Ratio	Lower	Upper
142	100		
141	85.9	71.1	106.7
115	34.3	29.2	43.8



Instrument :
BNA_F
ClientSampleId :
EO-02-112219DL

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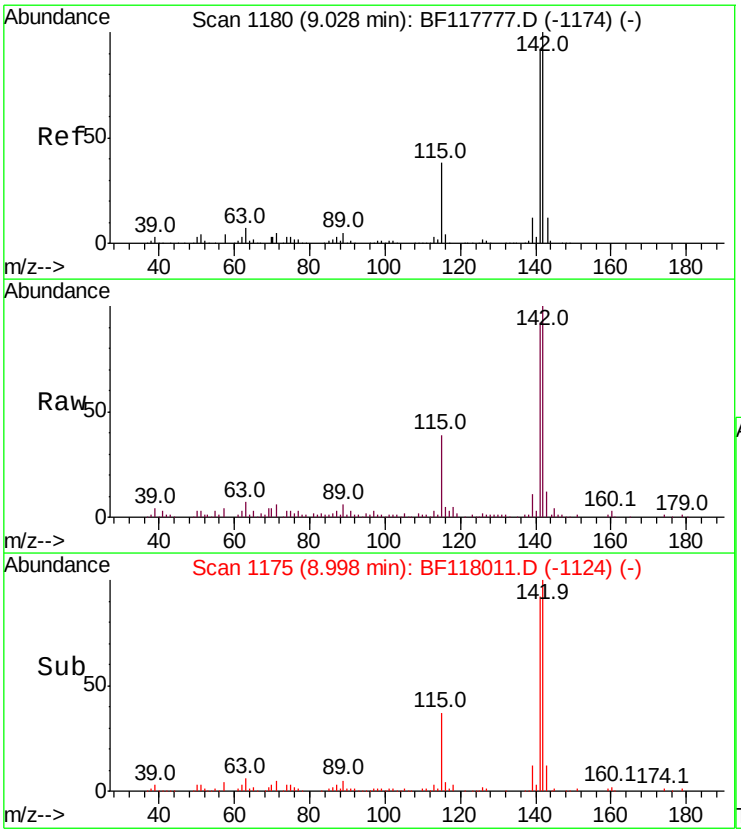
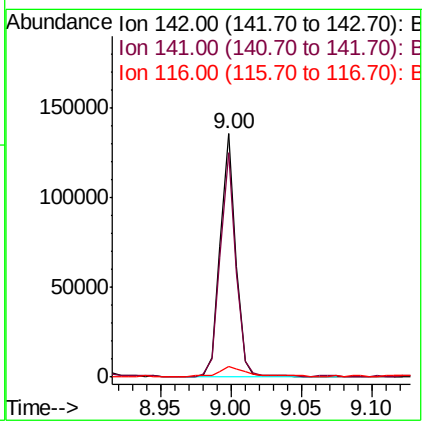
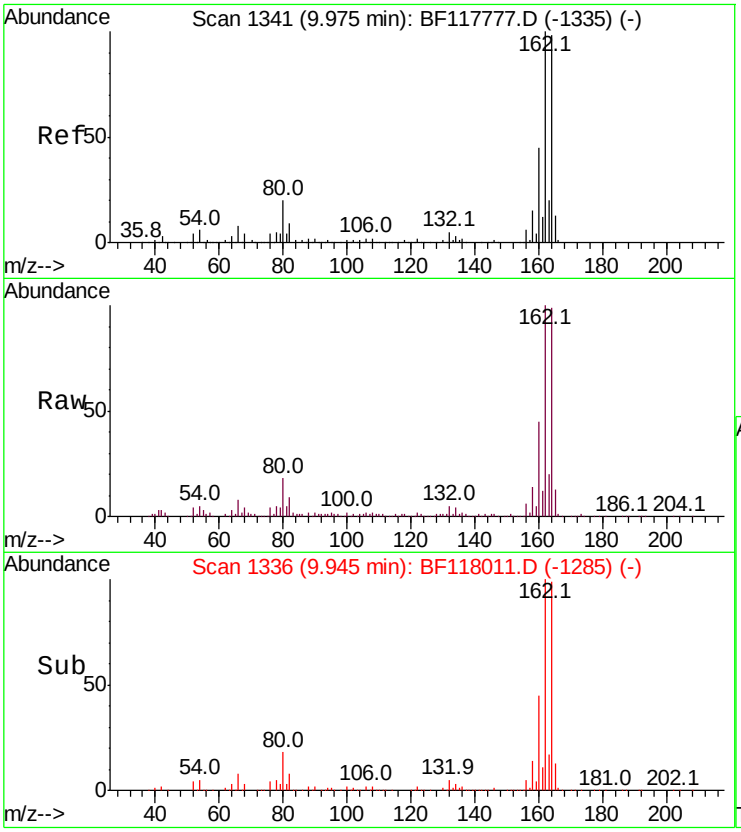


#38
1-Methylnaphthalene
Concen: 8.010 ng
RT: 9.00 min Scan# 1175
Delta R.T. -0.00 min
Lab File: BF118011.D
Acq: 26 Nov 2019 17:04

Tgt Ion:142 Resp: 105108

Ion	Ratio	Lower	Upper
142	100		
141	92.2	73.5	110.3
116	4.6	3.2	4.8

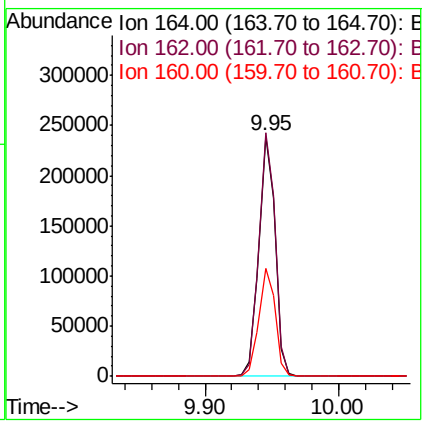




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.95 min Scan# 1336
Delta R.T. -0.00 min
Lab File: BF118011.D
Acq: 26 Nov 2019 17:04

Tgt Ion:164 Resp: 200039

Ion	Ratio	Lower	Upper
164	100		
162	101.5	81.3	121.9
160	45.2	36.6	55.0



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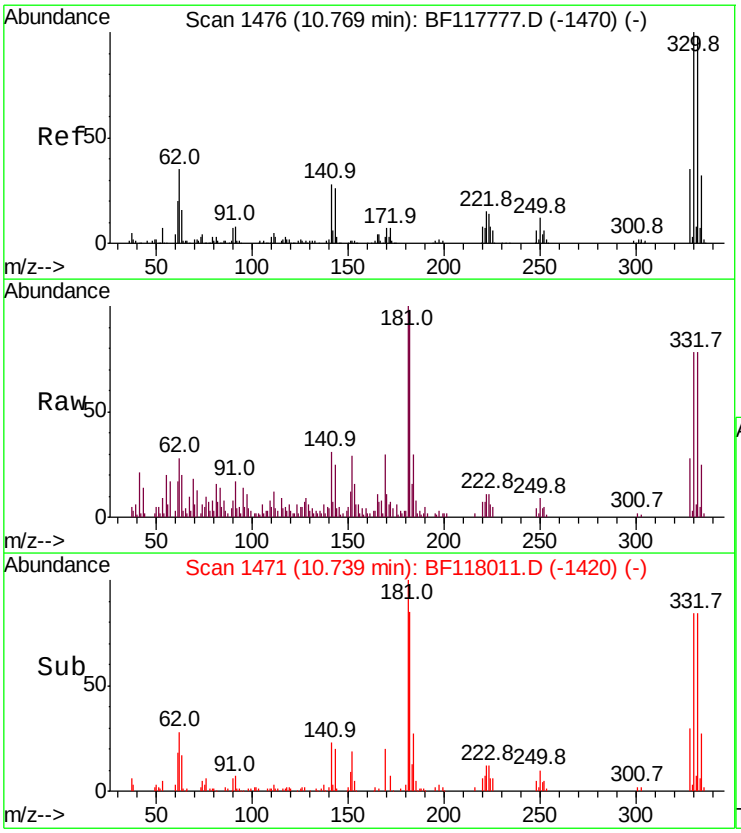
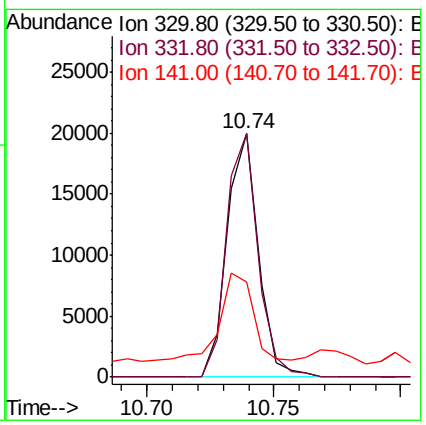
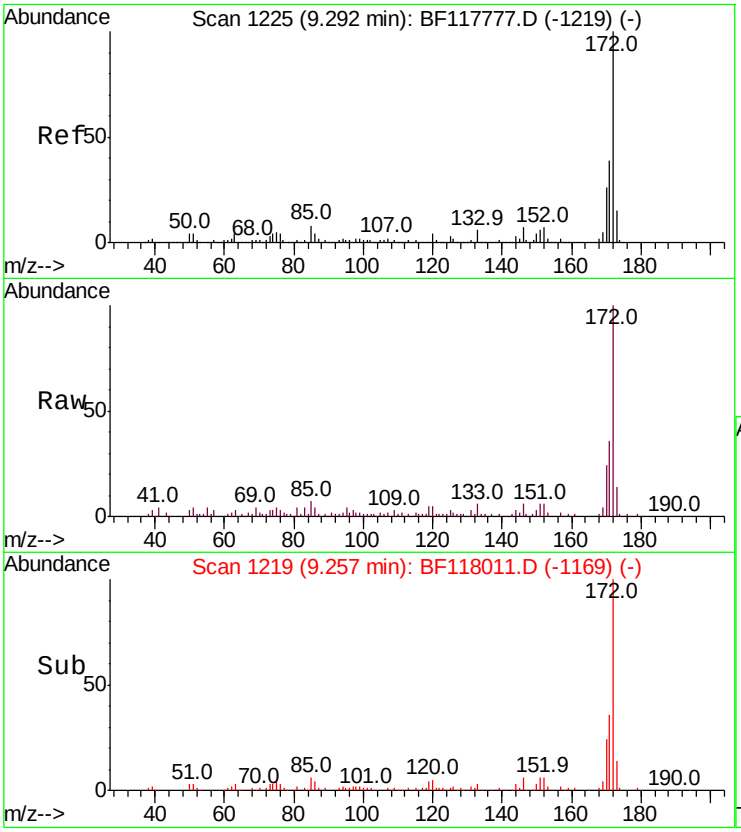


#42
2,4,6-Tribromophenol
Concen: 8.065 ng
RT: 10.74 min Scan# 1471
Delta R.T. -0.00 min
Lab File: BF118011.D
Acq: 26 Nov 2019 17:04

Tgt Ion:330 Resp: 17079

Ion	Ratio	Lower	Upper
330	100		
332	100.9	76.7	115.1
141	39.2	27.7	41.5

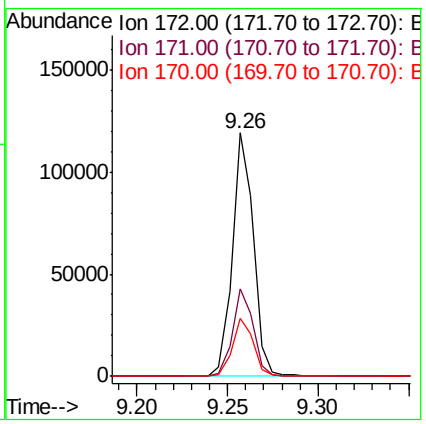




#45
2-Fluorobiphenyl
Concen: 8.643 ng
RT: 9.26 min Scan# 1219
Delta R.T. -0.01 min
Lab File: BF118011.D
Acq: 26 Nov 2019 17:04

Tgt Ion:172 Resp: 96369

Ion	Ratio	Lower	Upper
172	100		
171	35.8	30.9	46.3
170	23.7	21.0	31.4



Instrument :
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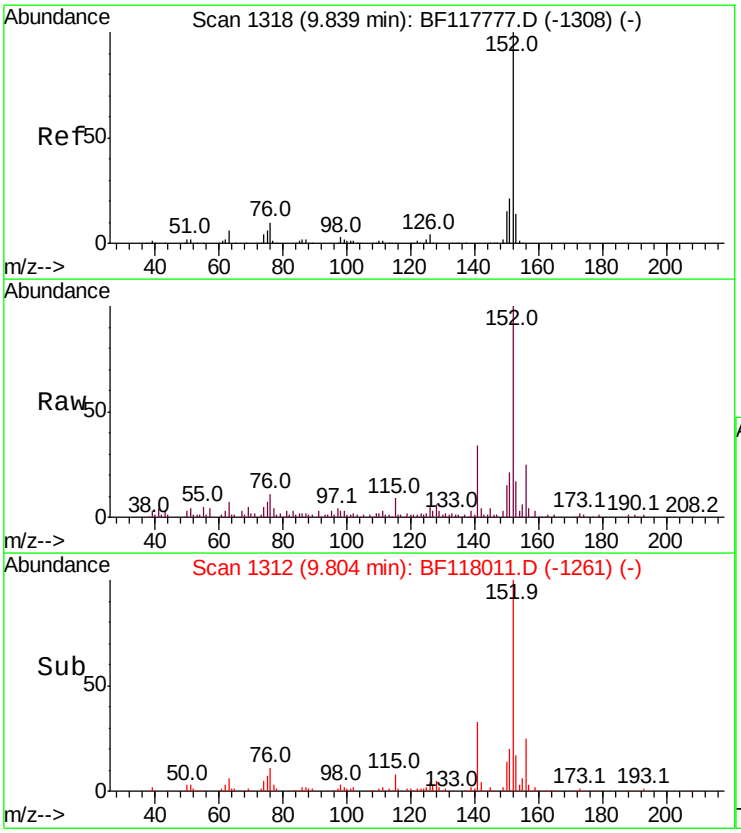
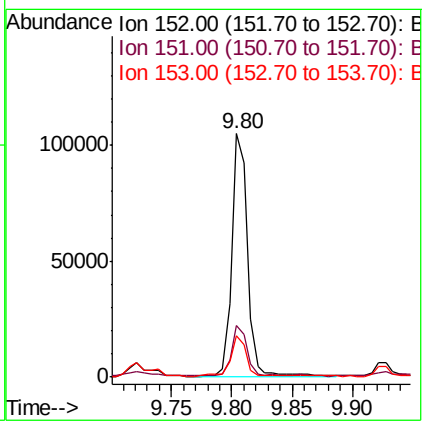
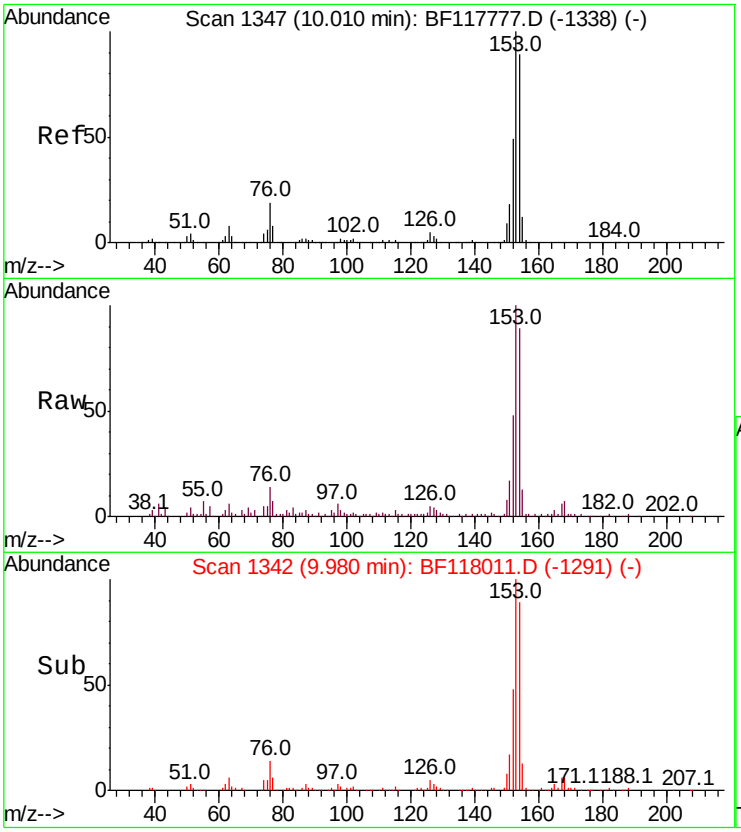


#49
Acenaphthylene
Concen: 5.494 ng
RT: 9.80 min Scan# 1312
Delta R.T. -0.00 min
Lab File: BF118011.D
Acq: 26 Nov 2019 17:04

Tgt Ion:152 Resp: 97792

Ion	Ratio	Lower	Upper
152	100		
151	21.3	17.0	25.6
153	17.2	11.0	16.6#

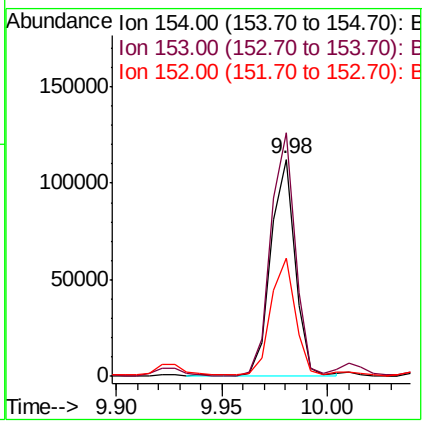




#52
Acenaphthene
Concen: 7.838 ng
RT: 9.98 min Scan# 1342
Delta R.T. -0.00 min
Lab File: BF118011.D
Acq: 26 Nov 2019 17:04

Tgt Ion:154 Resp: 89370

Ion	Ratio	Lower	Upper
154	100		
153	112.3	90.1	135.1
152	54.4	44.0	66.0



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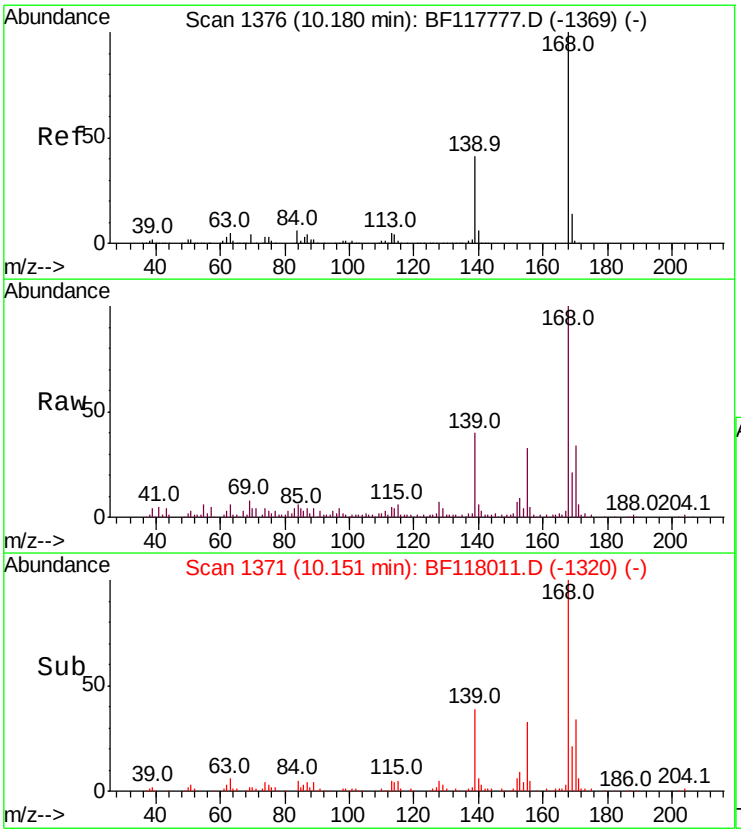
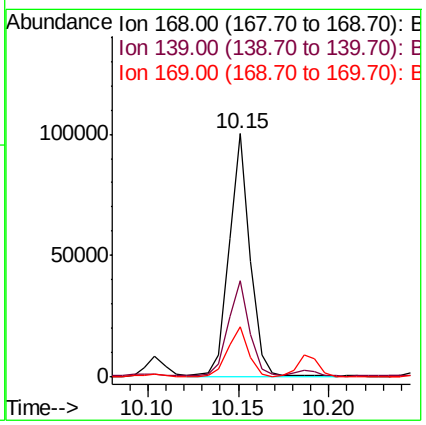
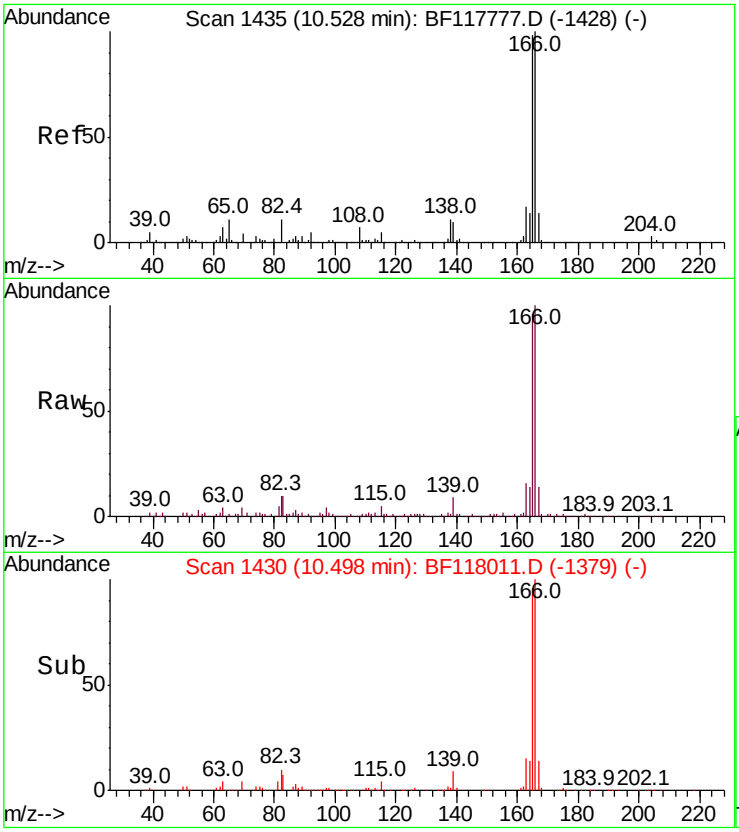


#55
Dibenzofuran
Concen: 5.078 ng
RT: 10.15 min Scan# 1371
Delta R.T. -0.00 min
Lab File: BF118011.D
Acq: 26 Nov 2019 17:04

Tgt Ion:168 Resp: 80189

Ion	Ratio	Lower	Upper
168	100		
139	39.6	33.0	49.6
169	20.6	11.5	17.3#

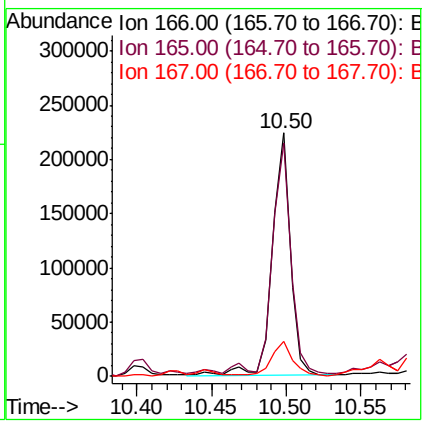




#58
Fluorene
Concen: 15.413 ng
RT: 10.50 min Scan# 1430
Delta R.T. -0.00 min
Lab File: BF118011.D
Acq: 26 Nov 2019 17:04

Tgt Ion:166 Resp: 188600

Ion	Ratio	Lower	Upper
166	100		
165	96.1	78.4	117.6
167	14.2	11.0	16.4



Instrument :
BNA_F
ClientSampleId :
EO-02-112219DL

Manual Integrations APPROVED
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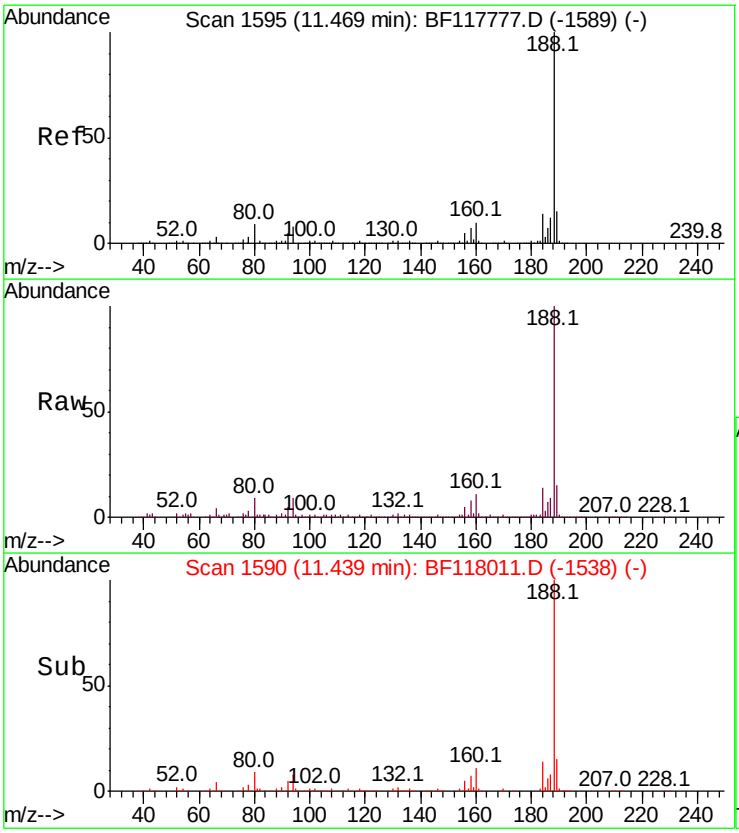
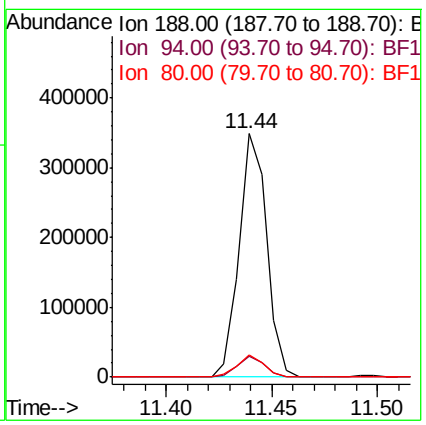
11/27/2019 11:33:39 PM

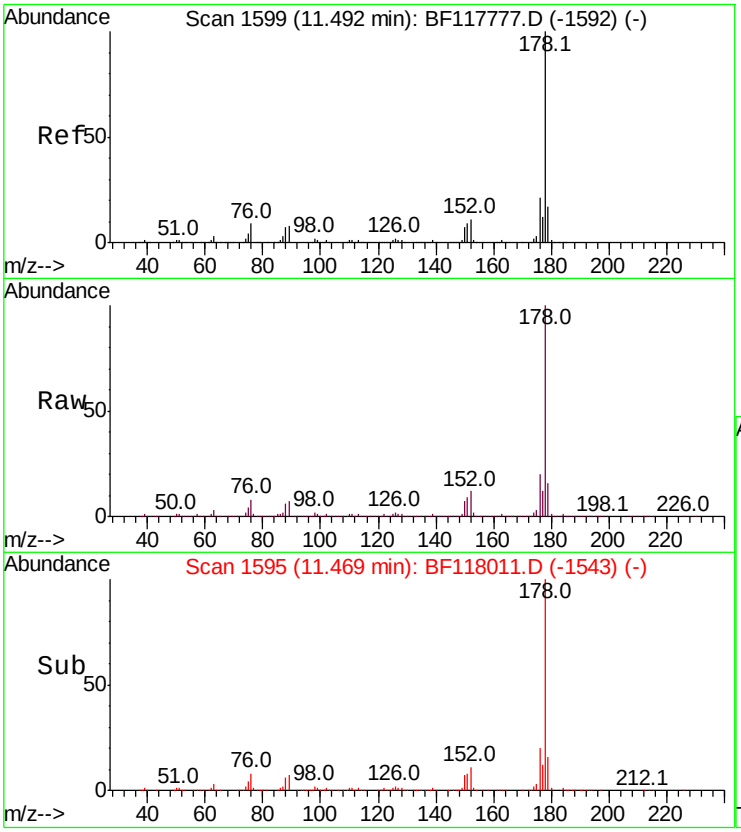


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.44 min Scan# 1590
Delta R.T. 0.01 min
Lab File: BF118011.D
Acq: 26 Nov 2019 17:04

Tgt Ion:188 Resp: 315211

Ion	Ratio	Lower	Upper
188	100		
94	8.6	6.6	10.0
80	9.3	7.2	10.8

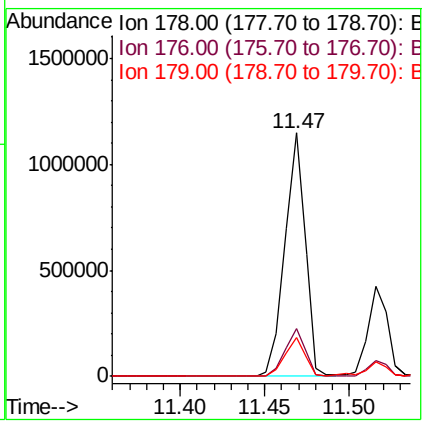




#71
Phenanthrene
Concen: 60.039 ng
RT: 11.47 min Scan# 1595
Delta R.T. 0.01 min
Lab File: BF118011.D
Acq: 26 Nov 2019 17:04

Tgt Ion:178 Resp: 951490

Ion	Ratio	Lower	Upper
178	100		
176	19.9	16.6	25.0
179	15.9	13.2	19.8



Instrument :
BNA_F
ClientSampleId :
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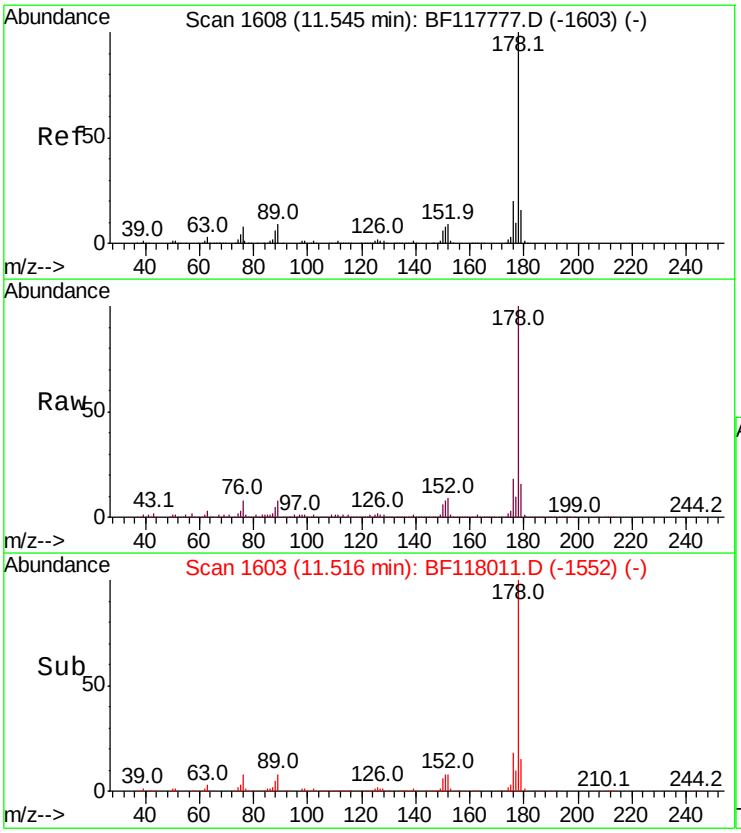
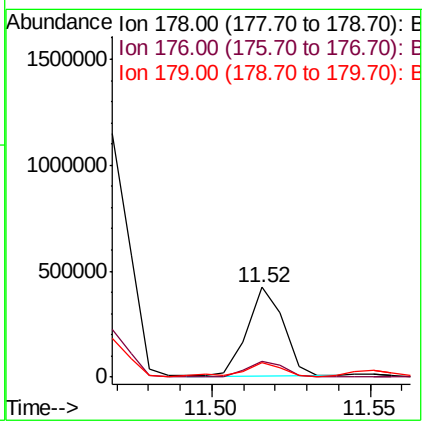
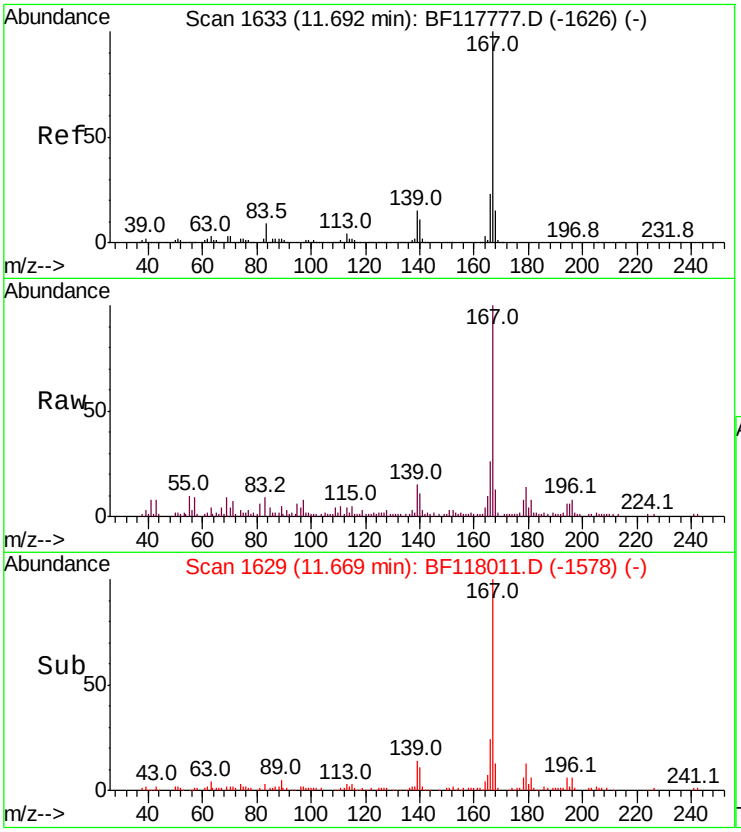


#72
Anthracene
Concen: 21.186 ng
RT: 11.52 min Scan# 1603
Delta R.T. -0.00 min
Lab File: BF118011.D
Acq: 26 Nov 2019 17:04

Tgt Ion:178 Resp: 332887

Ion	Ratio	Lower	Upper
178	100		
176	18.2	16.1	24.1
179	15.5	13.0	19.4

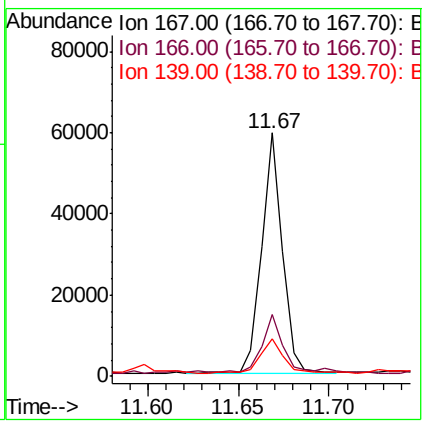




#73
Carbazole
Concen: 3.485 ng
RT: 11.67 min Scan# 1629
Delta R.T. -0.00 min
Lab File: BF118011.D
Acq: 26 Nov 2019 17:04

Tgt Ion:167 Resp: 47847

Ion	Ratio	Lower	Upper
167	100		
166	25.6	18.0	27.0
139	15.3	11.7	17.5



Instrument :
BNA_F
ClientSampleId :
EO-02-112219DL

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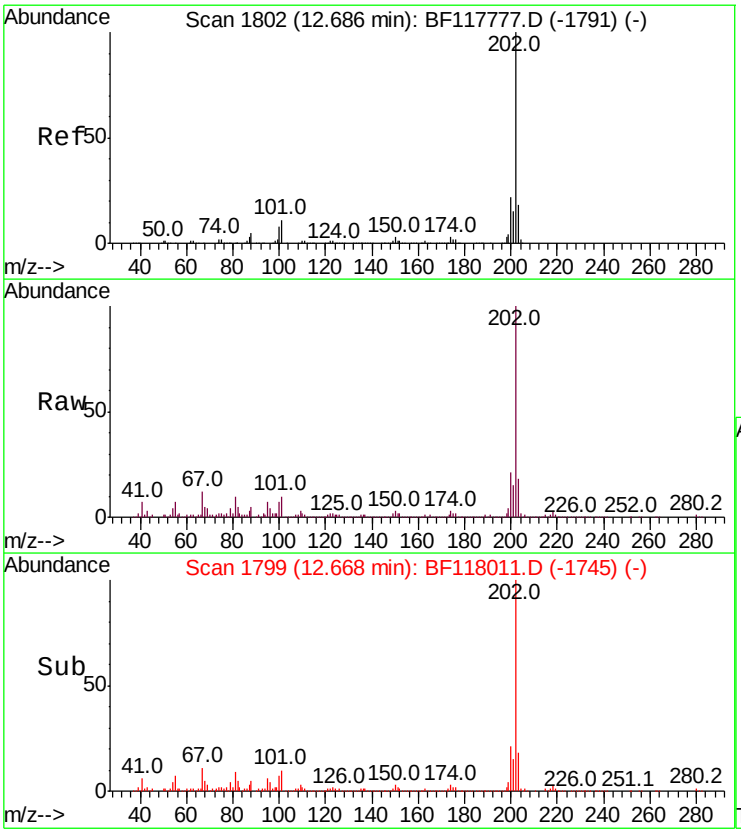
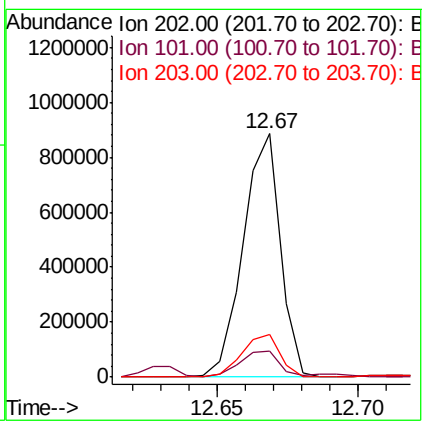
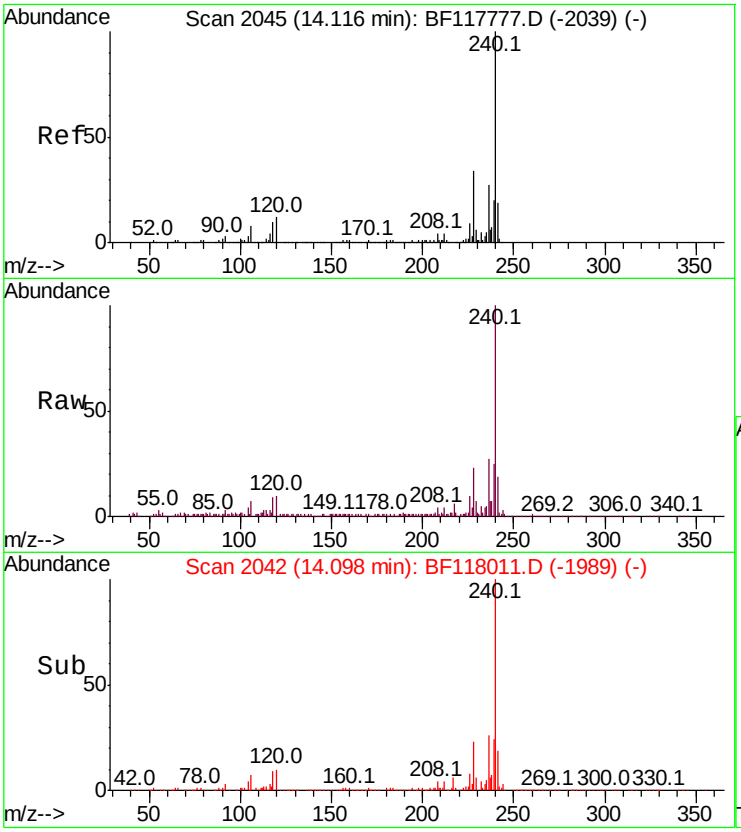


#75
Fluoranthene
Concen: 58.193 ng
RT: 12.67 min Scan# 1799
Delta R.T. 0.02 min
Lab File: BF118011.D
Acq: 26 Nov 2019 17:04

Tgt Ion:202 Resp: 807976

Ion	Ratio	Lower	Upper
202	100		
101	10.4	0.0	31.1
203	17.7	0.0	38.2

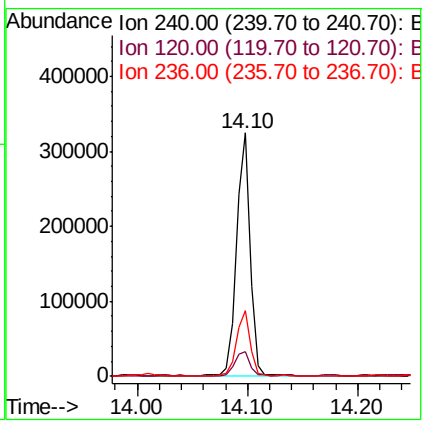




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.10 min Scan# 2042
Delta R.T. 0.01 min
Lab File: BF118011.D
Acq: 26 Nov 2019 17:04

Tgt Ion:240 Resp: 278232

Ion	Ratio	Lower	Upper
240	100		
120	10.0	9.5	14.3
236	27.0	21.3	31.9



Instrument :
BNA_F
ClientSampleId :
EO-02-112219DL

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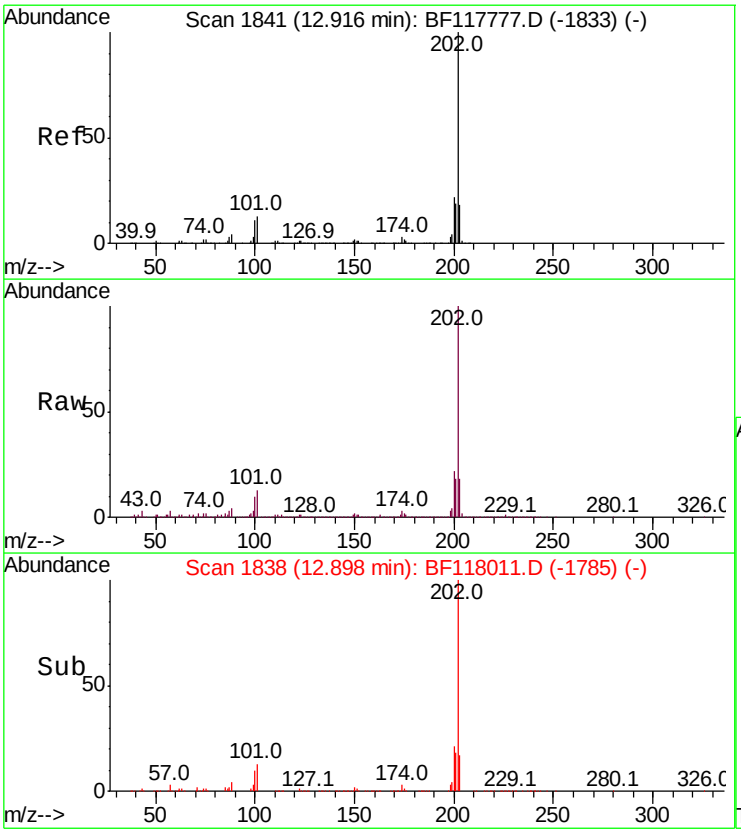
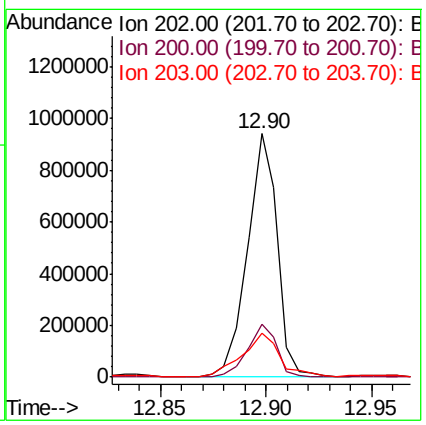
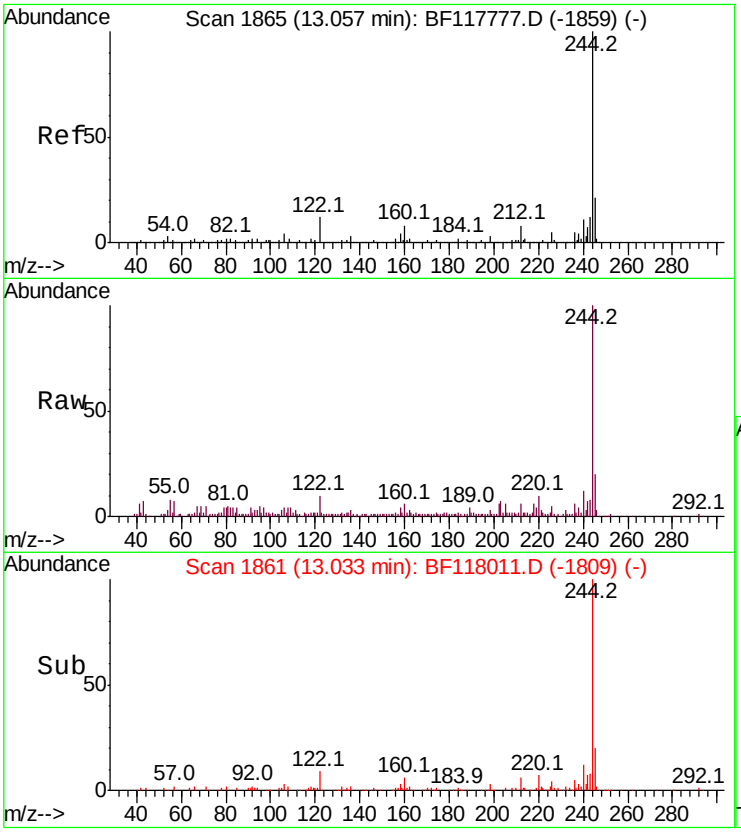


#78
Pyrene
Concen: 40.810 ng
RT: 12.90 min Scan# 1838
Delta R.T. 0.01 min
Lab File: BF118011.D
Acq: 26 Nov 2019 17:04

Tgt Ion:202 Resp: 917629

Ion	Ratio	Lower	Upper
202	100		
200	21.5	17.8	26.8
203	17.8	14.6	22.0

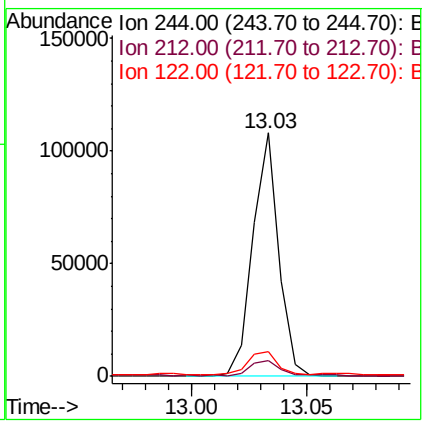




#79
Terphenyl-d14
Concen: 5.585 ng
RT: 13.03 min Scan# 1861
Delta R.T. 0.01 min
Lab File: BF118011.D
Acq: 26 Nov 2019 17:04

Tgt Ion:244 Resp: 85026

Ion	Ratio	Lower	Upper
244	100		
212	6.4	6.3	9.5
122	10.4	9.4	14.2



Instrument :
BNA_F
ClientSampleId :
EO-02-112219DL

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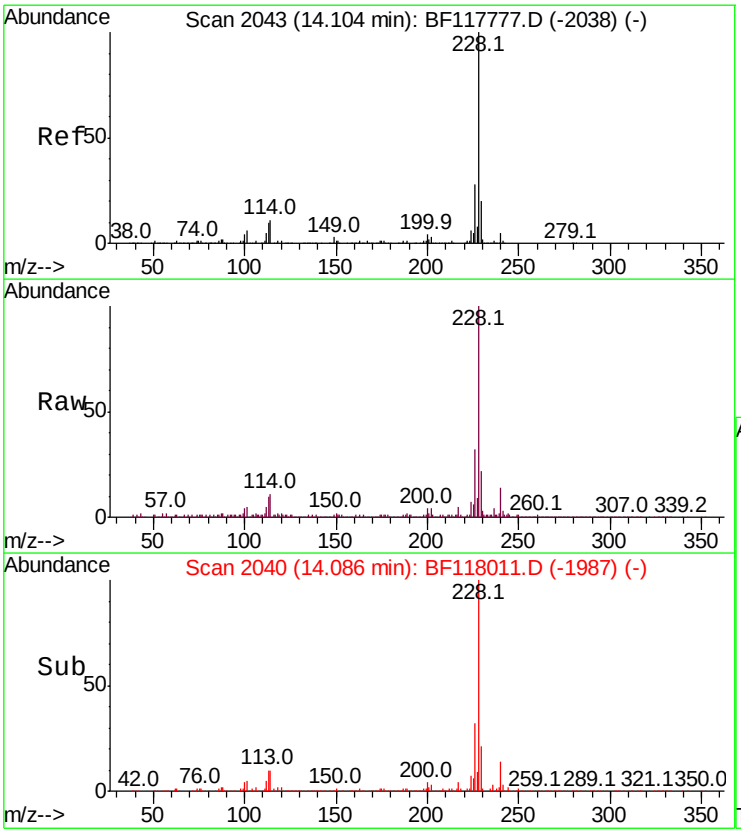
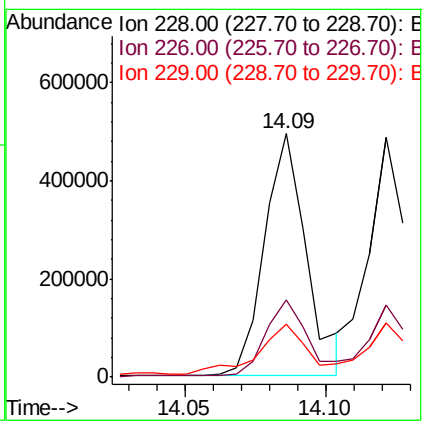
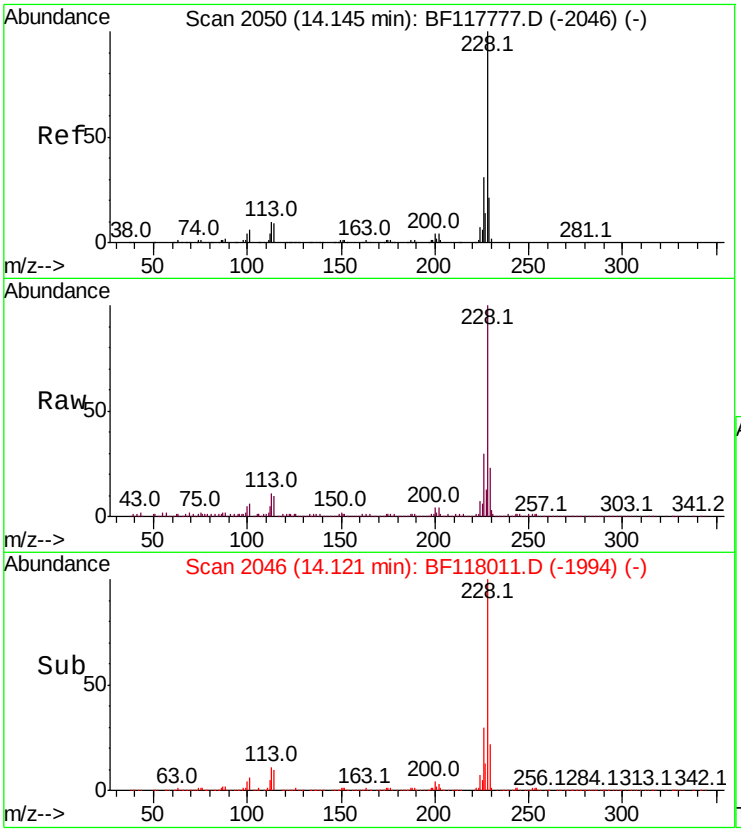


#81
Benzo(a)anthracene
Concen: 27.621 ng
RT: 14.09 min Scan# 2040
Delta R.T. 0.01 min
Lab File: BF118011.D
Acq: 26 Nov 2019 17:04

Tgt Ion:228 Resp: 507832

Ion	Ratio	Lower	Upper
228	100		
226	31.9	22.2	33.2
229	22.0	15.9	23.9

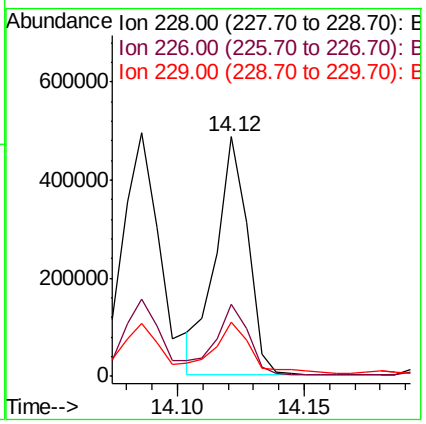




#83
Chrysene
Concen: 24.067 ng
RT: 14.12 min Scan# 2046
Delta R.T. 0.01 min
Lab File: BF118011.D
Acq: 26 Nov 2019 17:04

Tgt Ion:228 Resp: 428784

Ion	Ratio	Lower	Upper
228	100		
226	30.1	25.0	37.4
229	22.6	16.6	25.0



Instrument :
BNA_F
ClientSampleId :
EO-02-112219DL

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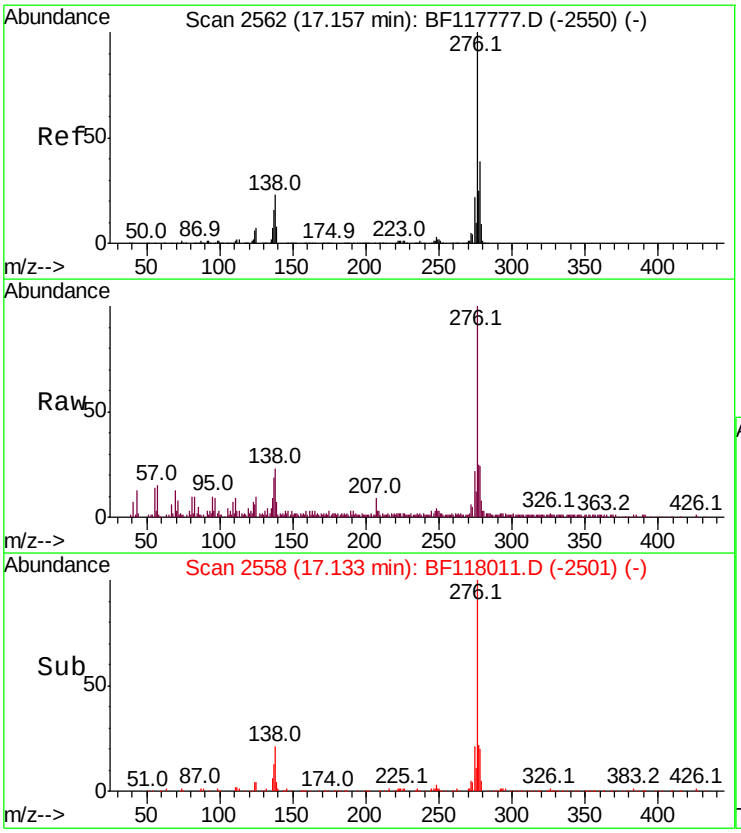
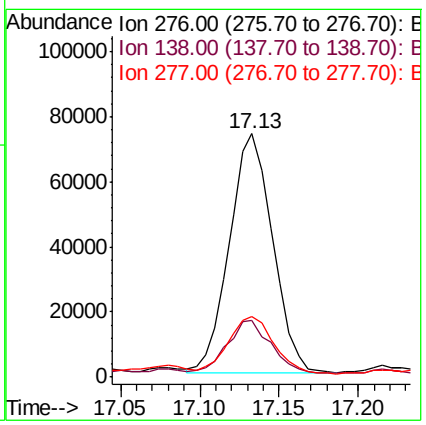
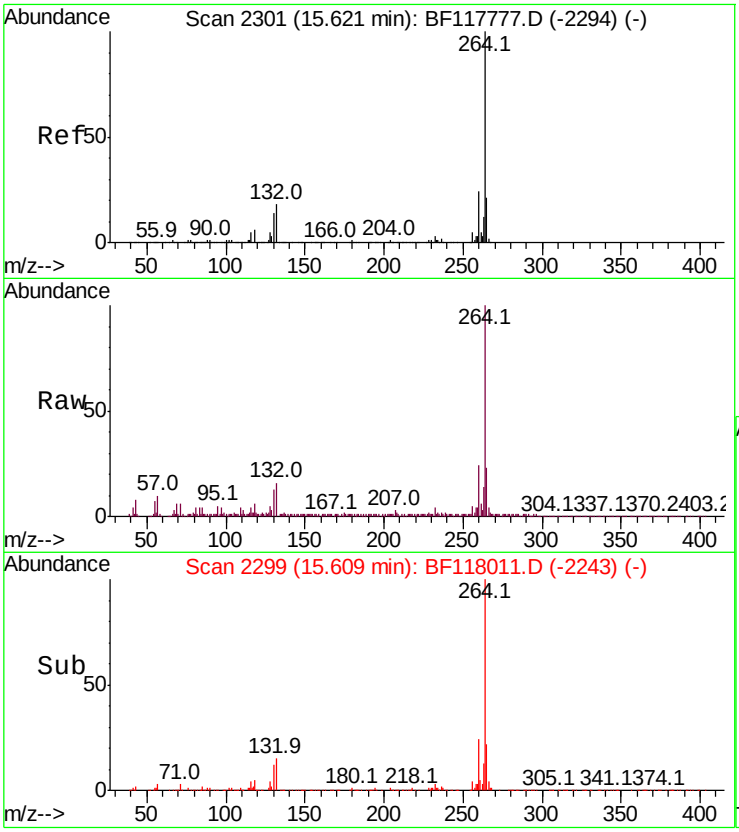


#86
Indeno(1,2,3-cd)pyrene
Concen: 9.244 ng
RT: 17.13 min Scan# 2558
Delta R.T. 0.04 min
Lab File: BF118011.D
Acq: 26 Nov 2019 17:04

Tgt Ion:276 Resp: 140161

Ion	Ratio	Lower	Upper
276	100		
138	22.2	20.9	31.3
277	25.1	20.3	30.5

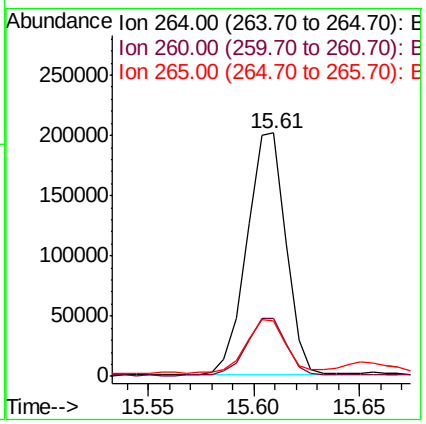




#87
Perylene-d12
Concen: 20.000 ng
RT: 15.61 min Scan# 2299
Delta R.T. 0.03 min
Lab File: BF118011.D
Acq: 26 Nov 2019 17:04

Tgt Ion:264 Resp: 259368

Ion	Ratio	Lower	Upper
264	100		
260	24.1	19.4	29.0
265	22.7	17.1	25.7



Instrument :
BNA_F
ClientSampleId :
EO-02-112219DL

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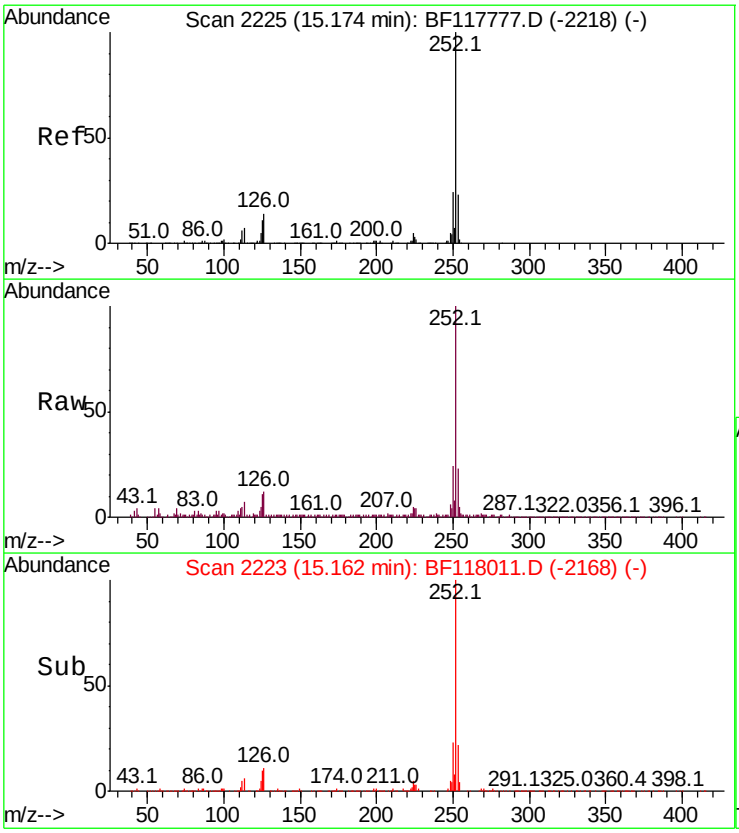
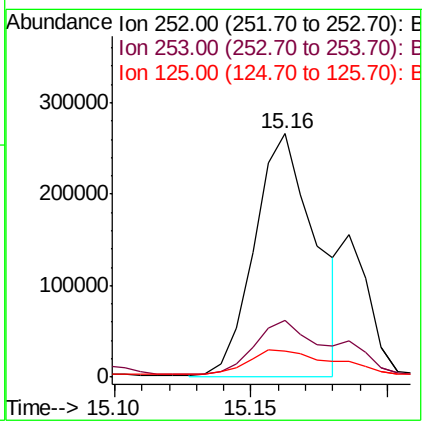
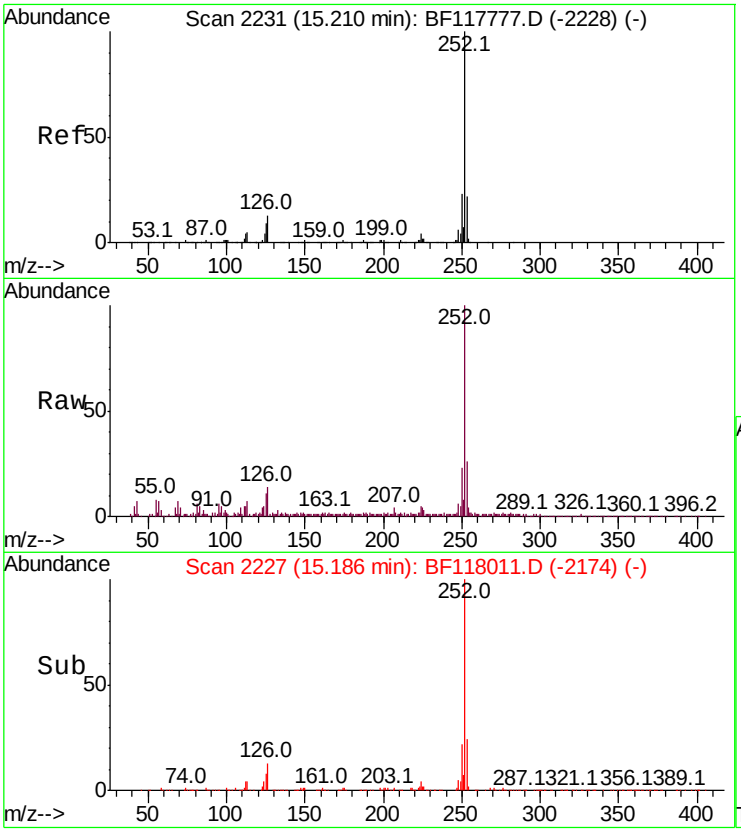


#88
Benzo(b)fluoranthene
Concen: 24.700 ng m
RT: 15.16 min Scan# 2223
Delta R.T. 0.02 min
Lab File: BF118011.D
Acq: 26 Nov 2019 17:04

Tgt Ion:252 Resp: 416228

Ion	Ratio	Lower	Upper
252	100		
253	23.5	18.0	27.0
125	10.8	8.6	13.0

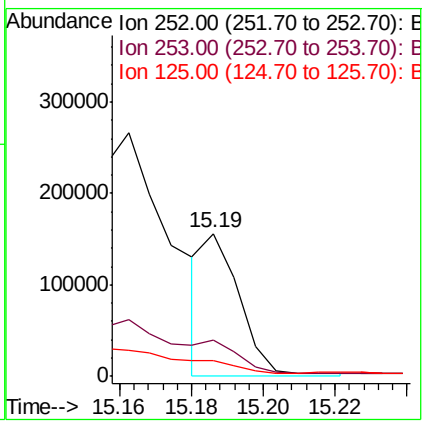




#89
Benzo(k)fluoranthene
Concen: 6.941 ng m
RT: 15.19 min Scan# 2227
Delta R.T. 0.01 min
Lab File: BF118011.D
Acq: 26 Nov 2019 17:04

Tgt Ion:252 Resp: 110200

Ion	Ratio	Lower	Upper
252	100		
253	25.6	17.5	26.3
125	11.2	7.9	11.9



Instrument :
BNA_F
ClientSampleId :
EO-02-112219DL

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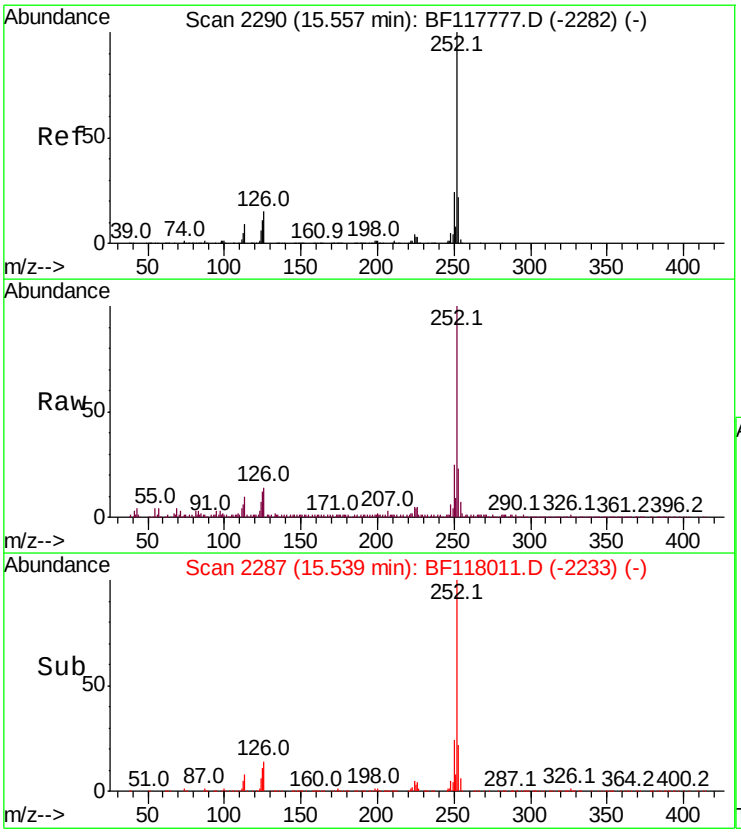
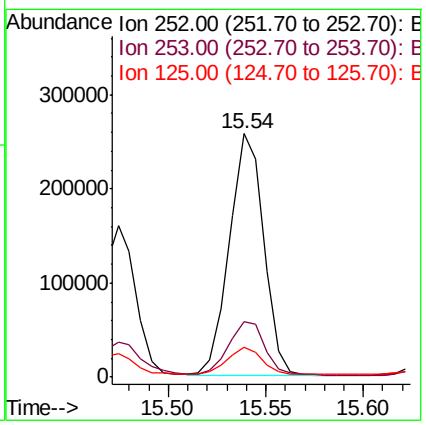
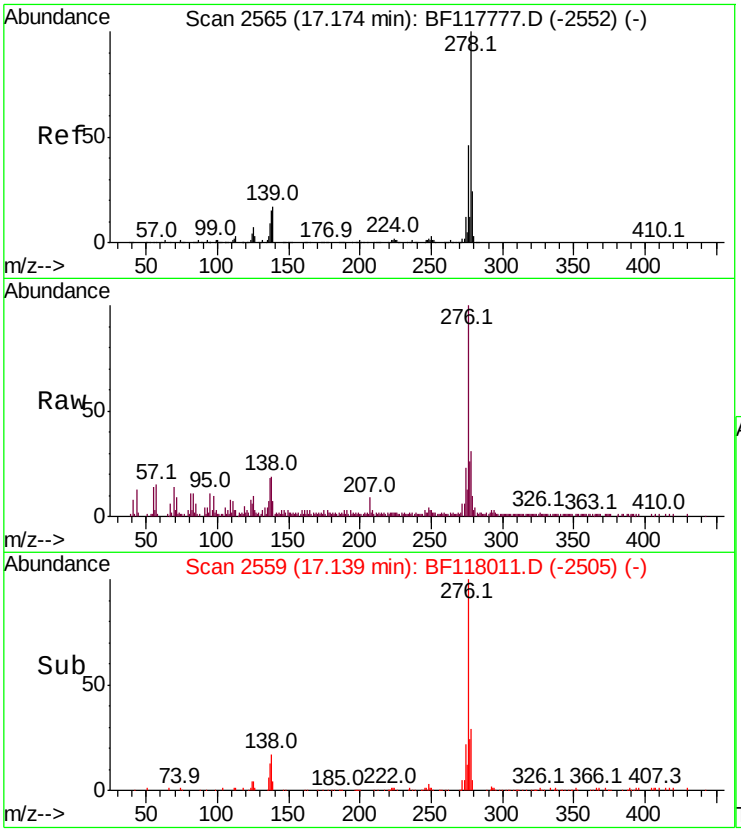


#90
Benzo(a)pyrene
Concen: 21.219 ng
RT: 15.54 min Scan# 2287
Delta R.T. 0.02 min
Lab File: BF118011.D
Acq: 26 Nov 2019 17:04

Tgt Ion:252 Resp: 314429

Ion	Ratio	Lower	Upper
252	100		
253	23.0	17.8	26.6
125	12.0	9.2	13.8

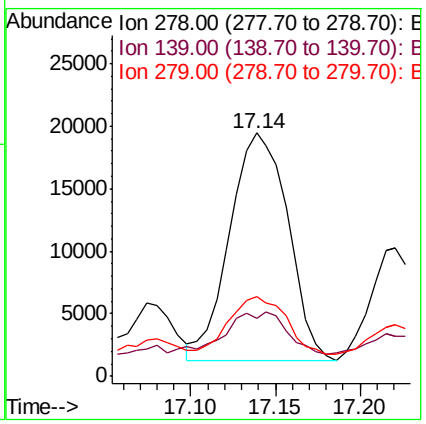




#91
Dibenzo(a,h)anthracene
Concen: 3.426 ng
RT: 17.14 min Scan# 2559
Delta R.T. 0.02 min
Lab File: BF118011.D
Acq: 26 Nov 2019 17:04

Tgt Ion:278 Resp: 43692

Ion	Ratio	Lower	Upper
278	100		
139	23.9	13.8	20.8#
279	32.6	19.6	29.4#



Instrument :
BNA_F
ClientSampleId :
EO-02-112219DL

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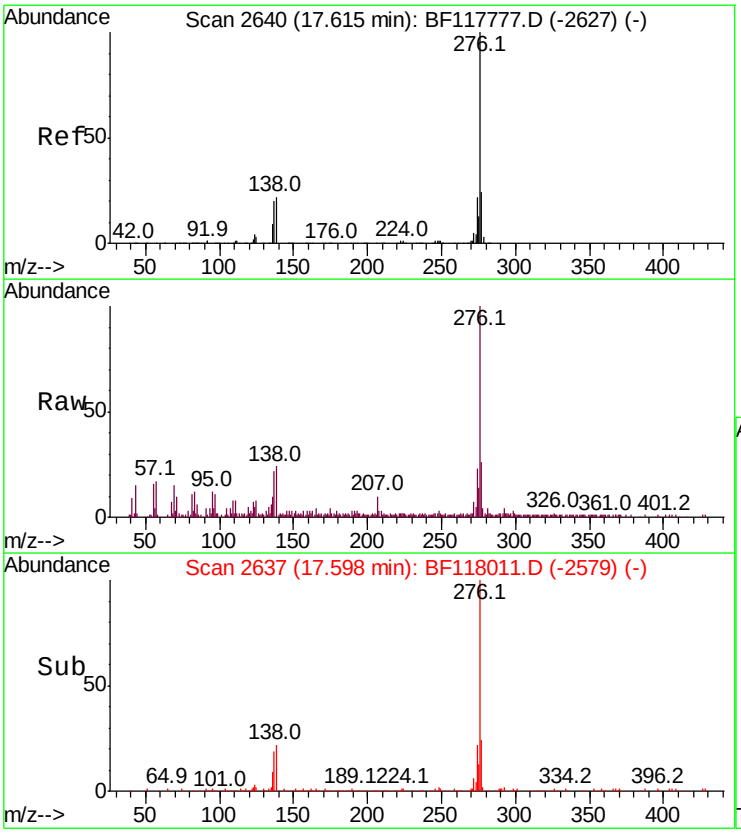

#92
Benzo(g,h,i)perylene
Concen: 10.841 ng
RT: 17.60 min Scan# 2637
Delta R.T. 0.04 min
Lab File: BF118011.D
Acq: 26 Nov 2019 17:04

Tgt Ion:276 Resp: 137715

Ion	Ratio	Lower	Upper
276	100		
277	25.9	18.9	28.3
138	23.6	17.4	26.2