Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF112018\
Data File : BF110912.D
Acq On : 21 Nov 2018 00:46
Operator : JU/SJ
Sample : J5981-04DL 100X
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DTW-02(11-13)MSDDL

Manual Integrations APPROVED
Sohil
11/21/2018 3:18:17 PM

Quant Time: Nov 21 06:01:16 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF110818.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Nov 13 12:43:10 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.95	152	50686	20.00	ng	0.00
21) Naphthalene-d8	8.22	136	220830	20.00	ng	0.00
39) Acenaphthene-d10	9.99	164	92628	20.00	ng	0.00
64) Phenanthrene-d10	11.48	188	143482	20.00	ng	0.00
76) Chrysene-d12	14.13	240	123947	20.00	ng	0.00
87) Perylene-d12	15.67	264	88015	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.62	112	2957m	0.95	ng	0.05
7) Phenol-d6	6.61	99	5527m	1.39	ng	0.04
23) Nitrobenzene-d5	7.53	82	3467	0.90	ng	0.02
42) 2,4,6-Tribromophenol	10.80	330	848	0.91	ng	0.01
45) 2-Fluorobiphenyl	9.30	172	7051	1.09	ng	0.00
79) Terphenyl-d14	13.06	244	6587	1.00	ng	0.00
Target Compounds						Qvalue
31) Naphthalene	8.25	128	67884	6.548	ng	99
37) 2-Methylnaphthalene	8.95	142	13780	2.028	ng	99
38) 1-Methylnaphthalene	9.05	142	13569	2.076	ng	99
49) Acenaphthylene	9.85	152	59719	6.661	ng	100
52) Acenaphthene	10.02	154	15098	2.665	ng	97
55) Dibenzofuran	10.19	168	50478	6.090	ng	98
58) Fluorene	10.54	166	74181	11.651	ng	99
71) Phenanthrene	11.50	178	368672	47.960	ng	99
72) Anthracene	11.56	178	145779	18.800	ng	99
73) Carbazole	11.72	167	25178	3.381	ng	100
75) Fluoranthene	12.70	202	363015	47.103	ng	98
78) Pyrene	12.93	202	274941	28.809	ng	98
81) Benzo(a)anthracene	14.12	228	133895	18.073	ng	98
83) Chrysene	14.16	228	106555	15.097	ng	97
86) Indeno(1,2,3-cd)pyrene	17.26	276	32811	6.478	ng	100
88) Benzo(b)fluoranthene	15.21	252	103072m	19.575	ng	
89) Benzo(k)fluoranthene	15.24	252	31783m	6.109	ng	
90) Benzo(a)pyrene	15.60	252	68969	14.417	ng	100
91) Dibenzo(a,h)anthracene	17.26	278	11263m	2.782	ng	
92) Benzo(g,h,i)perylene	17.74	276	26706	6.649	ng	95

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

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DTW-02(11-13)MSDDL

Manual Integrations APPROVED
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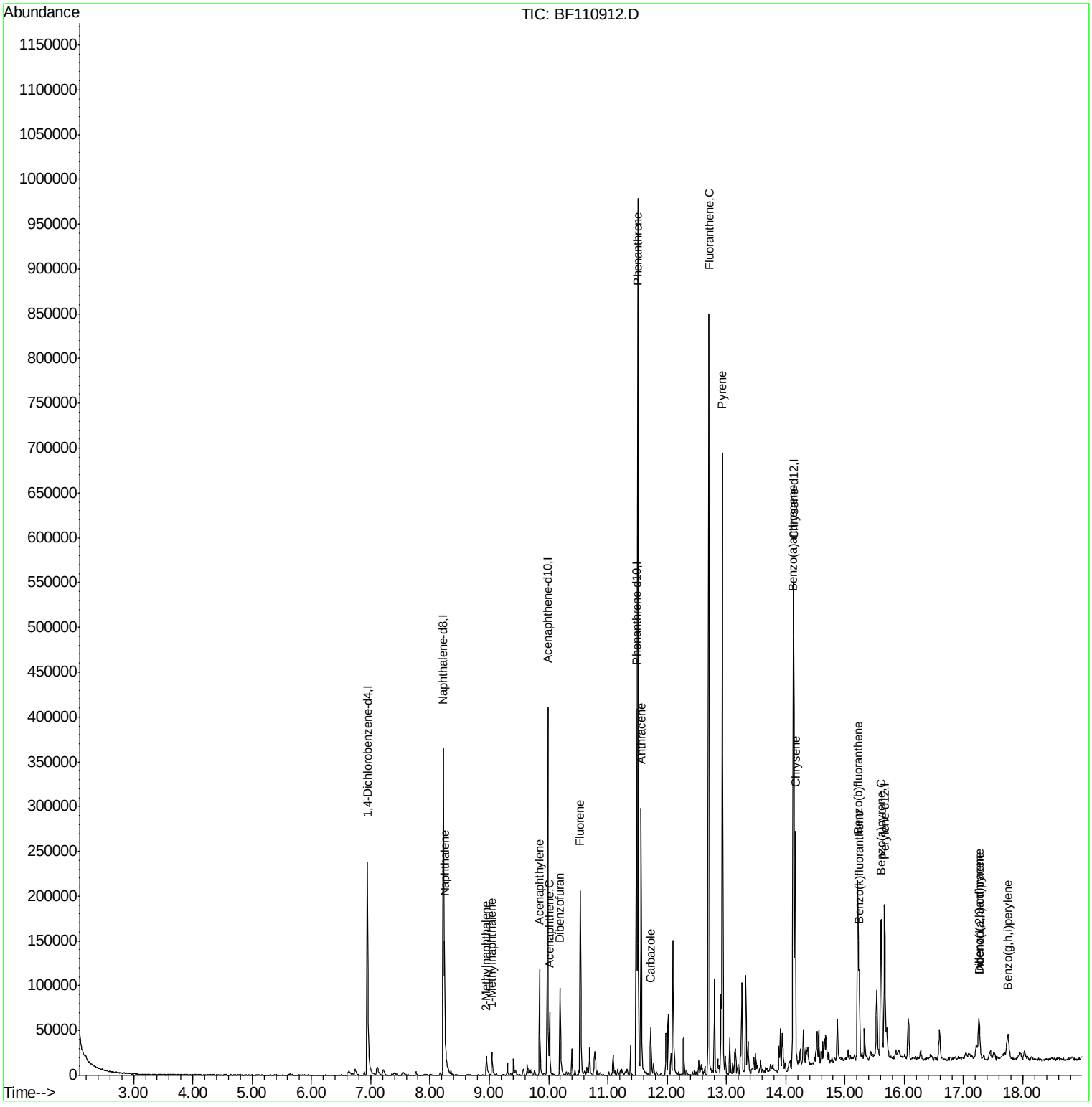
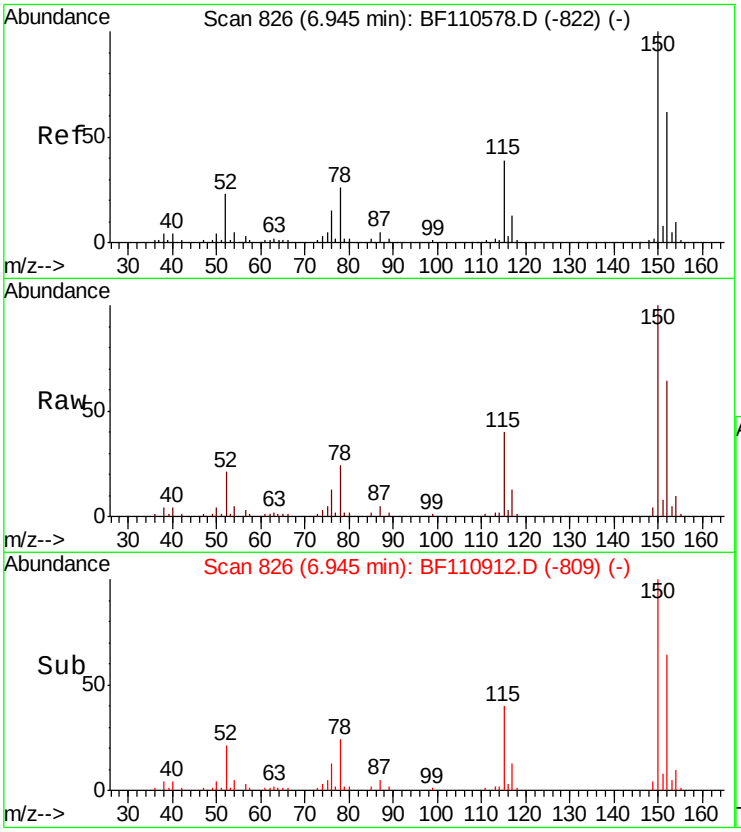
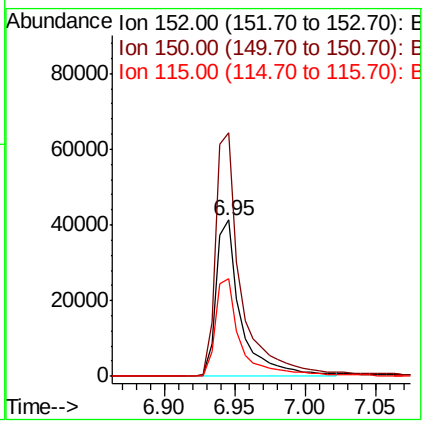




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.95 min Scan# 826
Delta R.T. 0.00 min
Lab File: BF110912.D
Acq: 21 Nov 2018 00:46

Tgt Ion:152 Resp: 50686

Ion	Ratio	Lower	Upper
152	100		
150	155.8	122.7	184.1
115	62.5	49.1	73.7



Instrument :
BNA_F
ClientSampleId :
DTW-02(11-13)MSDDL

Manual Integrations APPROVED
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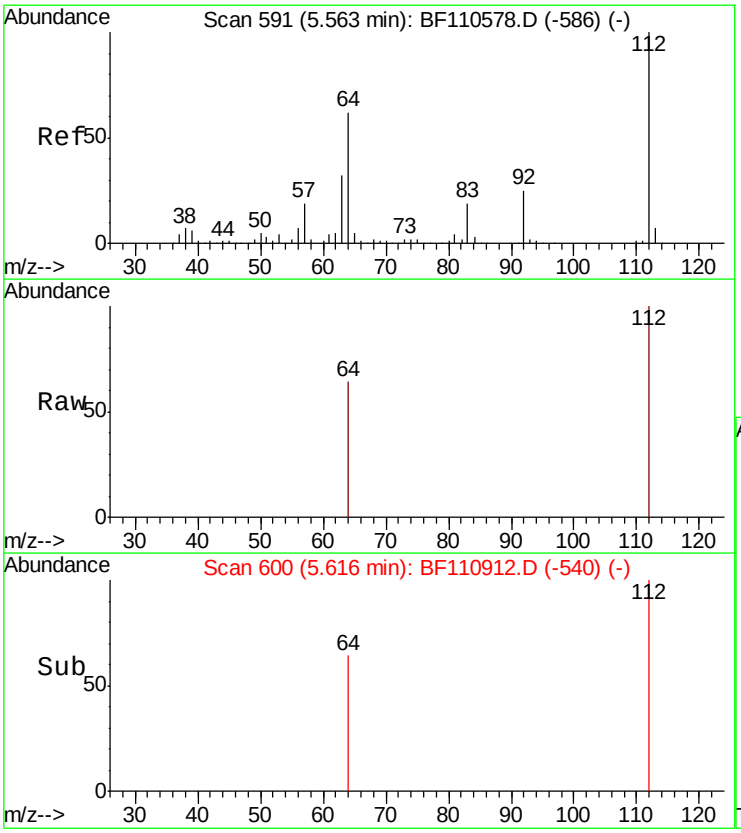
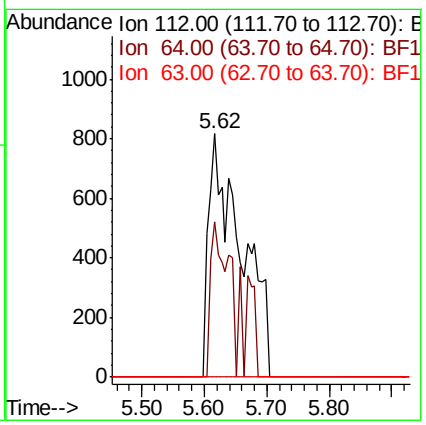
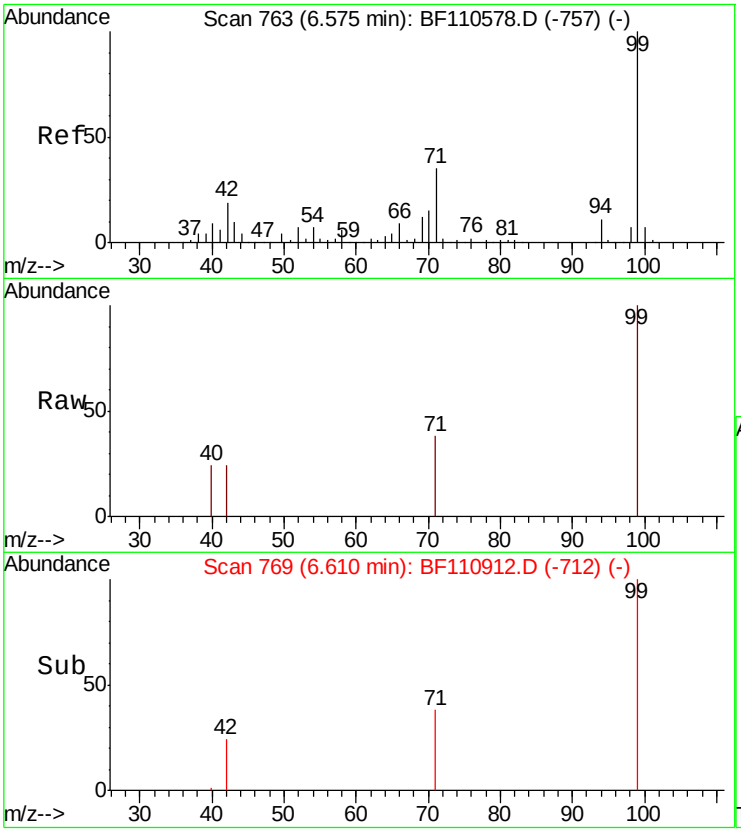


#5
2-Fluorophenol
Concen: 0.948 ng m
RT: 5.62 min Scan# 600
Delta R.T. 0.05 min
Lab File: BF110912.D
Acq: 21 Nov 2018 00:46

Tgt Ion:112 Resp: 2957

Ion	Ratio	Lower	Upper
112	100		
64	63.6	44.1	66.1
63	0.0	23.7	35.5#

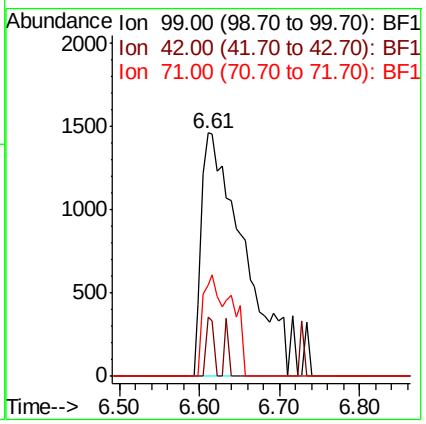




#7
Phenol-d6
Concen: 1.385 ng m
RT: 6.61 min Scan# 769
Delta R.T. 0.04 min
Lab File: BF110912.D
Acq: 21 Nov 2018 00:46

Tgt Ion: 99 Resp: 5527

Ion	Ratio	Lower	Upper
99	100		
42	24.1	15.8	23.6#
71	37.6	28.0	42.0



Instrument :
BNA_F
ClientSampleId :
DTW-02(11-13)MSDDL

Manual Integrations APPROVED
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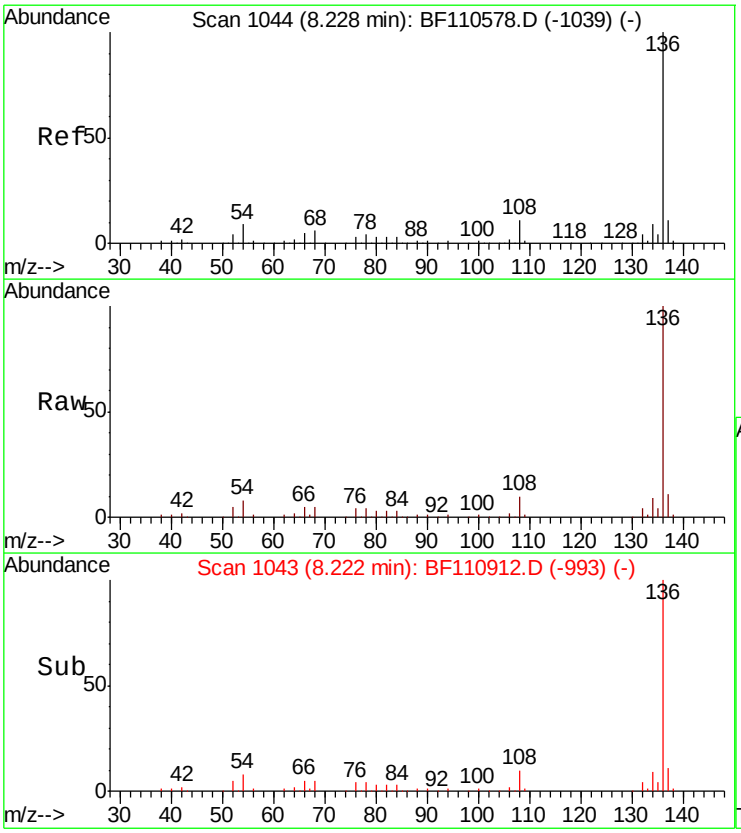
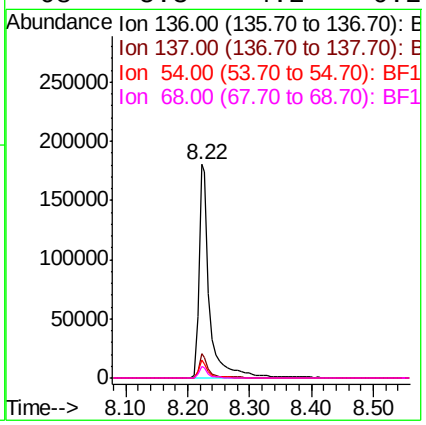
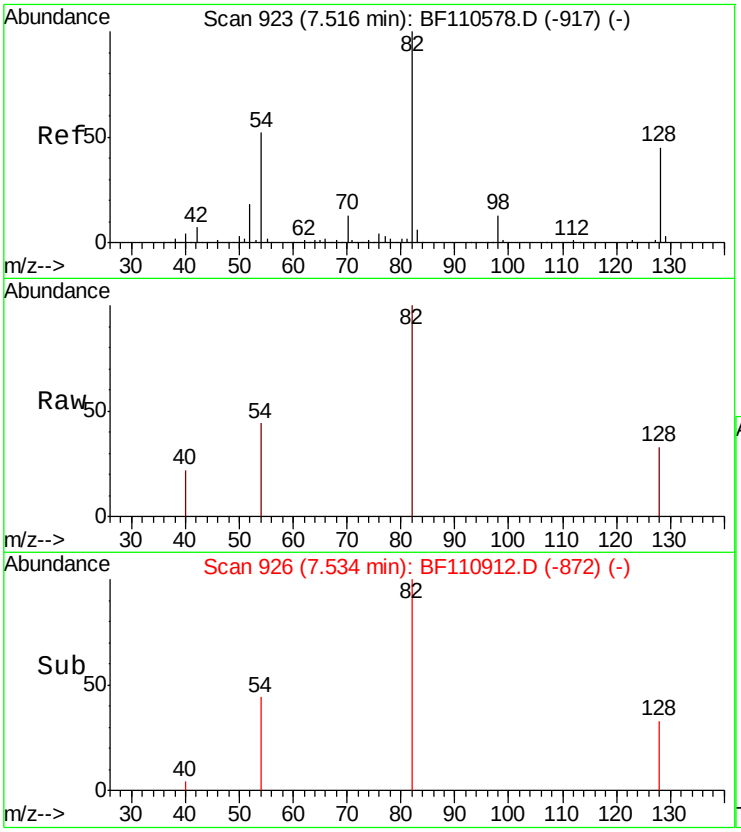


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.22 min Scan# 1043
Delta R.T. -0.01 min
Lab File: BF110912.D
Acq: 21 Nov 2018 00:46

Tgt Ion:136 Resp: 220830

Ion	Ratio	Lower	Upper
136	100		
137	11.4	8.8	13.2
54	8.3	5.4	8.2#
68	5.3	4.2	6.2

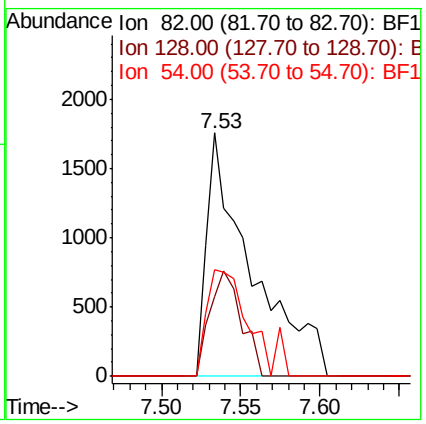




#23
Nitrobenzene-d5
Concen: 0.904 ng
RT: 7.53 min Scan# 926
Delta R.T. 0.02 min
Lab File: BF110912.D
Acq: 21 Nov 2018 00:46

Tgt Ion: 82 Resp: 3467

Ion	Ratio	Lower	Upper
82	100		
128	32.6	34.2	51.2#
54	44.0	38.6	58.0



Instrument :
BNA_F
ClientSampleId :
DTW-02(11-13)MSDDL

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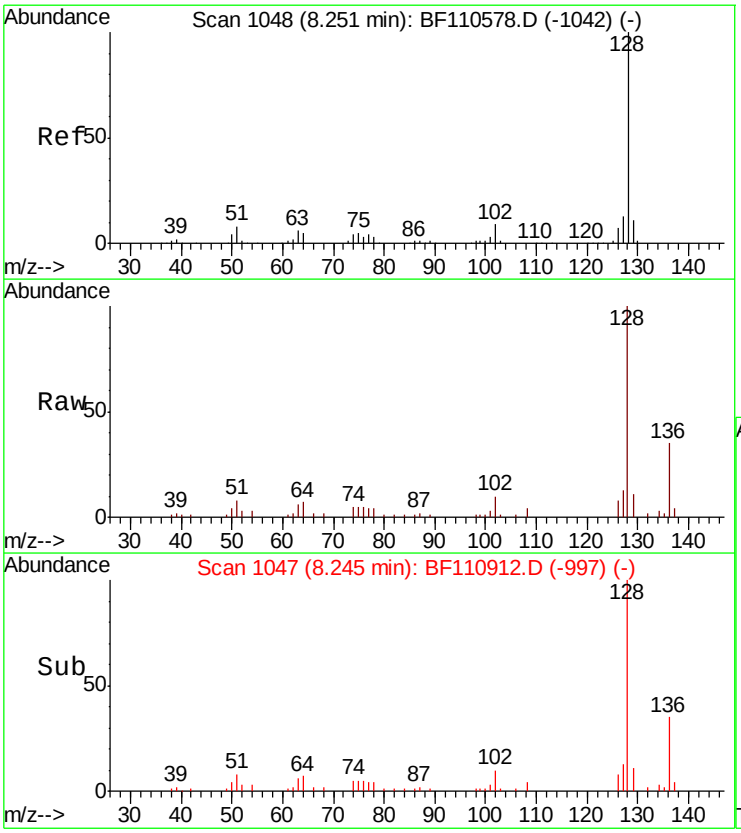
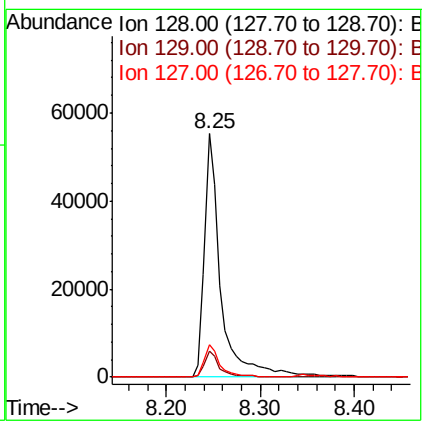
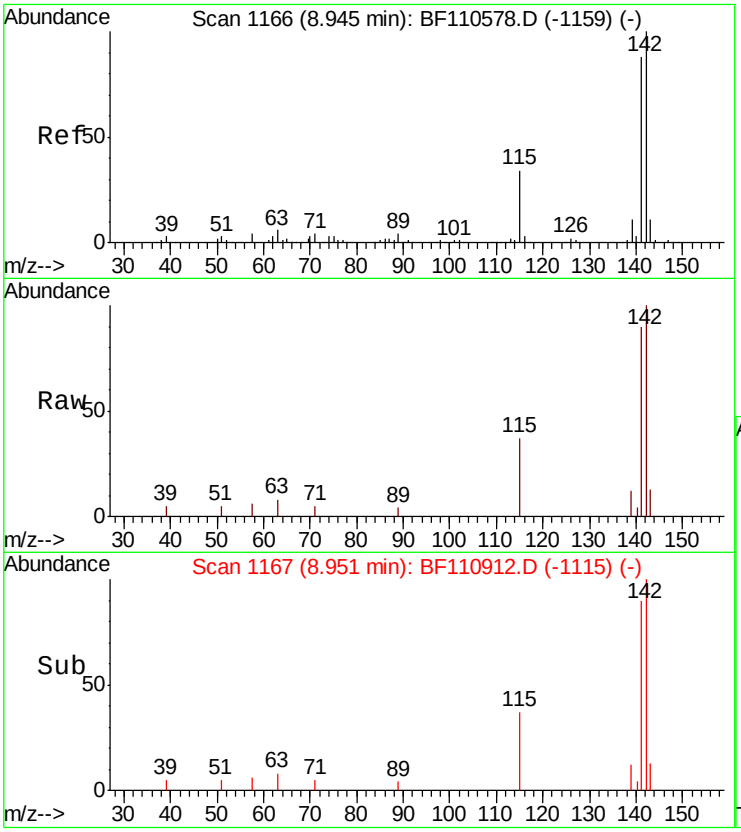


#31
Naphthalene
Concen: 6.548 ng
RT: 8.25 min Scan# 1047
Delta R.T. -0.01 min
Lab File: BF110912.D
Acq: 21 Nov 2018 00:46

Tgt Ion:128 Resp: 67884

Ion	Ratio	Lower	Upper
128	100		
129	10.6	8.8	13.2
127	13.4	10.8	16.2

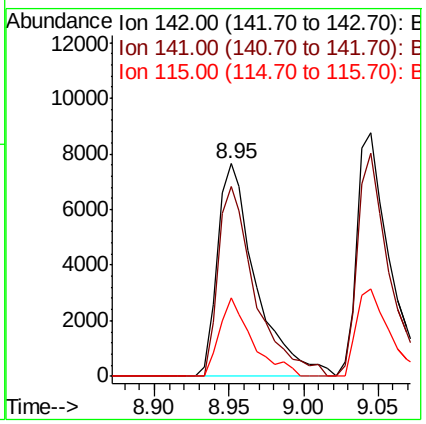




#37
2-Methylnaphthalene
Concen: 2.028 ng
RT: 8.95 min Scan# 1167
Delta R.T. 0.01 min
Lab File: BF110912.D
Acq: 21 Nov 2018 00:46

Tgt Ion:142 Resp: 13780

Ion	Ratio	Lower	Upper
142	100		
141	89.5	71.4	107.2
115	36.8	28.7	43.1



Instrument :
BNA_F
ClientSampleId :
DTW-02(11-13)MSDDL

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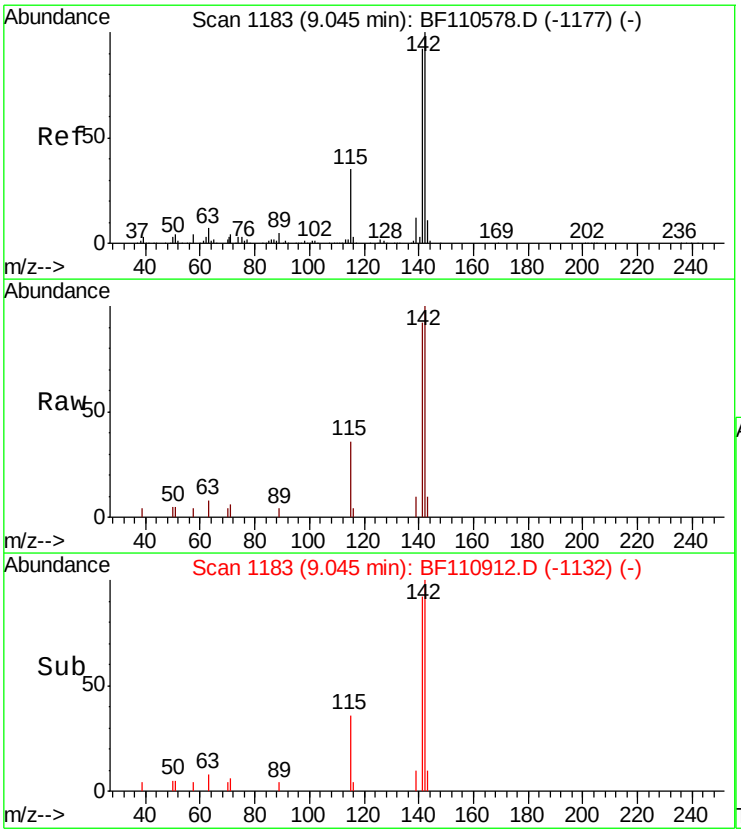
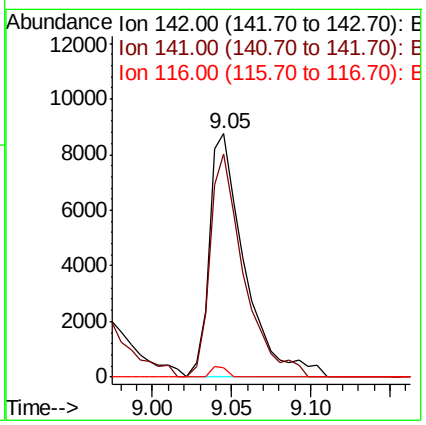
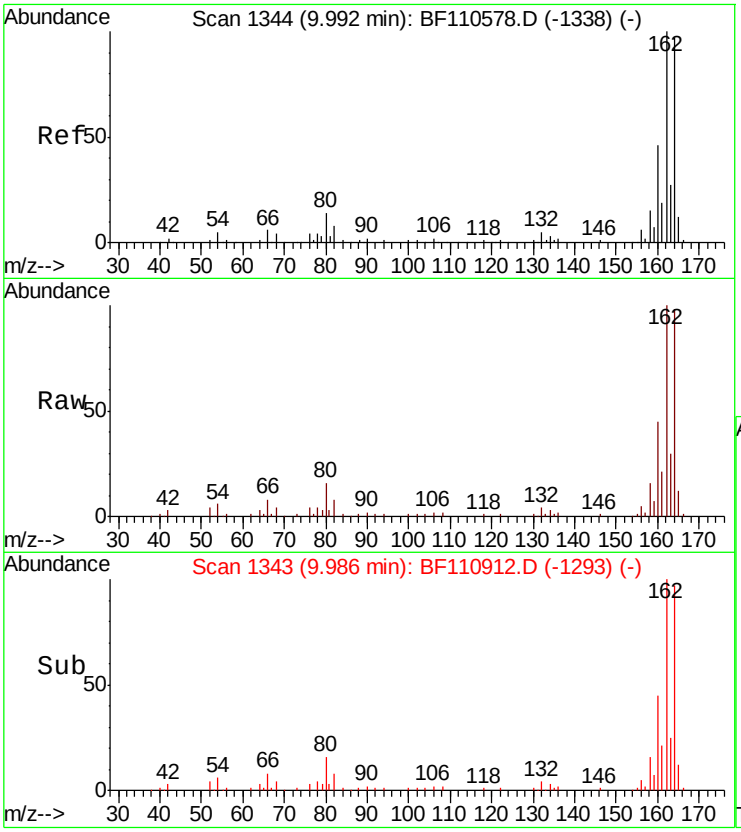


#38
1-Methylnaphthalene
Concen: 2.076 ng
RT: 9.05 min Scan# 1183
Delta R.T. 0.00 min
Lab File: BF110912.D
Acq: 21 Nov 2018 00:46

Tgt Ion:142 Resp: 13569

Ion	Ratio	Lower	Upper
142	100		
141	91.8	74.2	111.4
116	3.9	2.6	4.0

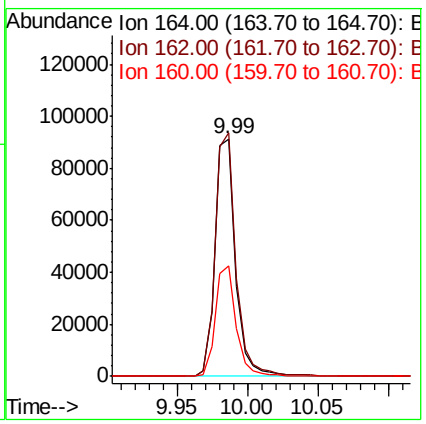




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.99 min Scan# 1343
Delta R.T. -0.01 min
Lab File: BF110912.D
Acq: 21 Nov 2018 00:46

Tgt Ion:164 Resp: 92628

Ion	Ratio	Lower	Upper
164	100		
162	102.5	83.0	124.6
160	46.5	37.0	55.6



Instrument :
BNA_F
ClientSampleId :
DTW-02(11-13)MSDDL

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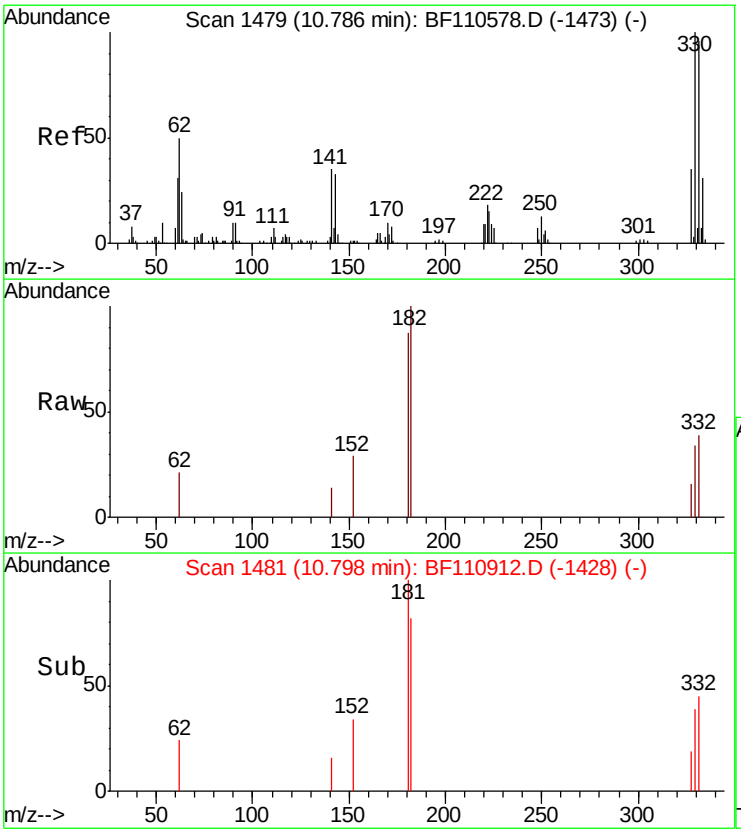
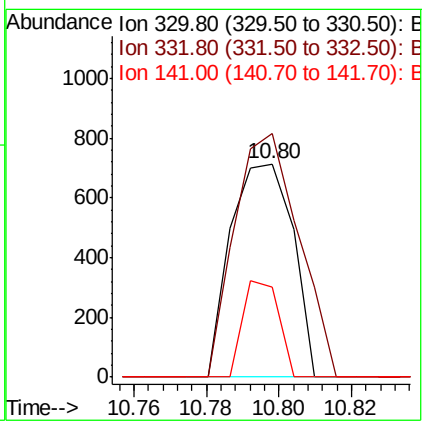
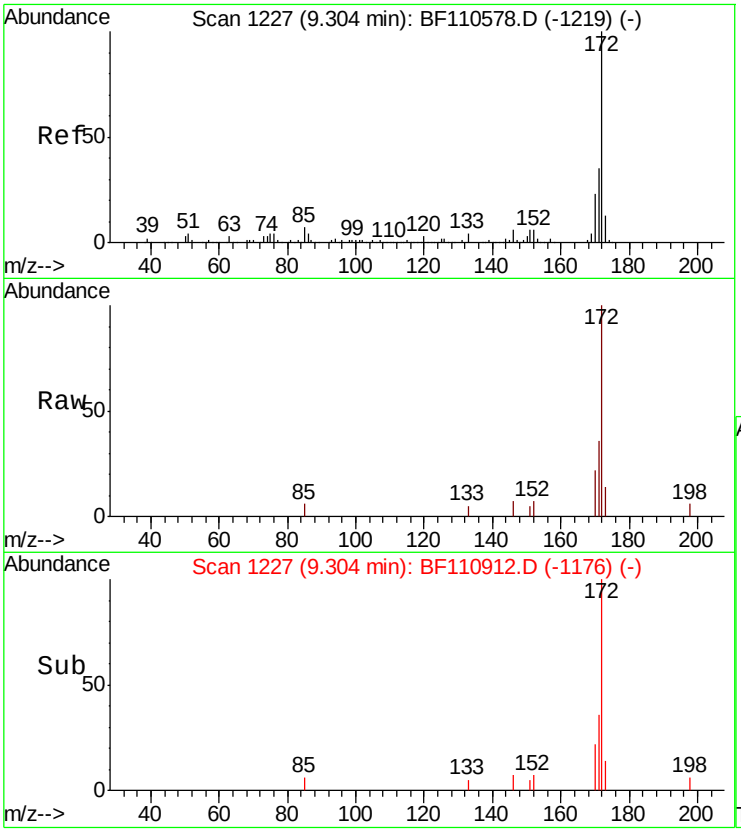


#42
2,4,6-Tribromophenol
Concen: 0.909 ng
RT: 10.80 min Scan# 1481
Delta R.T. 0.01 min
Lab File: BF110912.D
Acq: 21 Nov 2018 00:46

Tgt Ion:330 Resp: 848

Ion	Ratio	Lower	Upper
330	100		
332	118.2	77.1	115.7#
141	25.9	27.0	40.4#

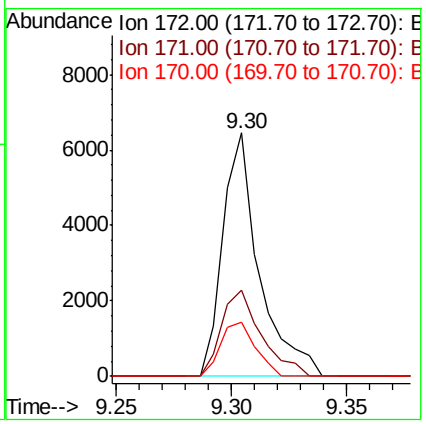




#45
2-Fluorobiphenyl
Concen: 1.087 ng
RT: 9.30 min Scan# 1227
Delta R.T. 0.00 min
Lab File: BF110912.D
Acq: 21 Nov 2018 00:46

Tgt Ion:172 Resp: 7051

Ion	Ratio	Lower	Upper
172	100		
171	35.5	28.6	43.0
170	22.4	19.7	29.5



Instrument :
BNA_F
ClientSampleId :
DTW-02(11-13)MSDDL

Manual Integrations APPROVED
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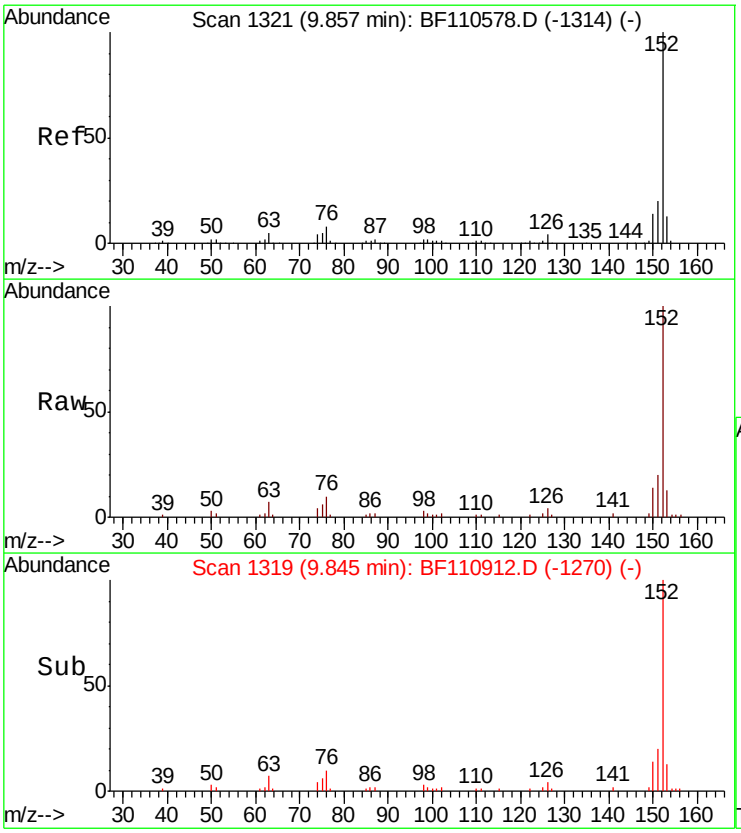
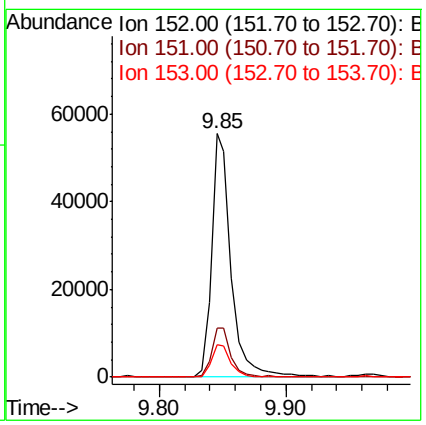
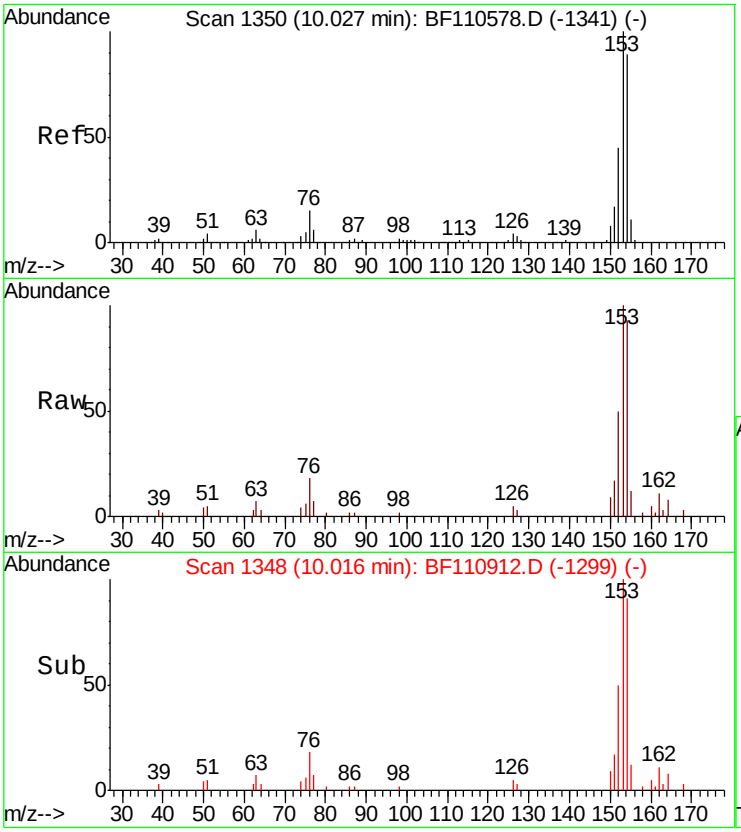


#49
Acenaphthylene
Concen: 6.661 ng
RT: 9.85 min Scan# 1319
Delta R.T. -0.01 min
Lab File: BF110912.D
Acq: 21 Nov 2018 00:46

Tgt Ion:152 Resp: 59719

Ion	Ratio	Lower	Upper
152	100		
151	20.0	15.8	23.8
153	13.2	10.4	15.6

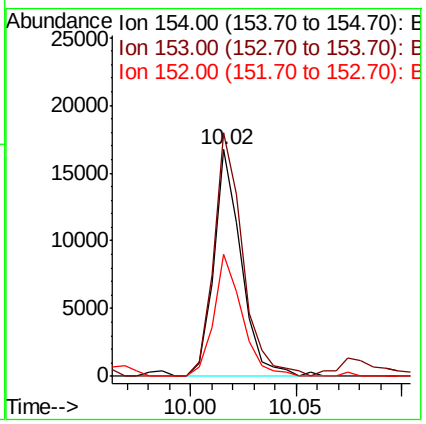




#52
Acenaphthene
Concen: 2.665 ng
RT: 10.02 min Scan# 1348
Delta R.T. -0.01 min
Lab File: BF110912.D
Acq: 21 Nov 2018 00:46

Tgt Ion:154 Resp: 15098

Ion	Ratio	Lower	Upper
154	100		
153	107.5	90.1	135.1
152	53.8	43.4	65.2



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ClientSampleId :
DTW-02(11-13)MSDDL

Manual Integrations APPROVED
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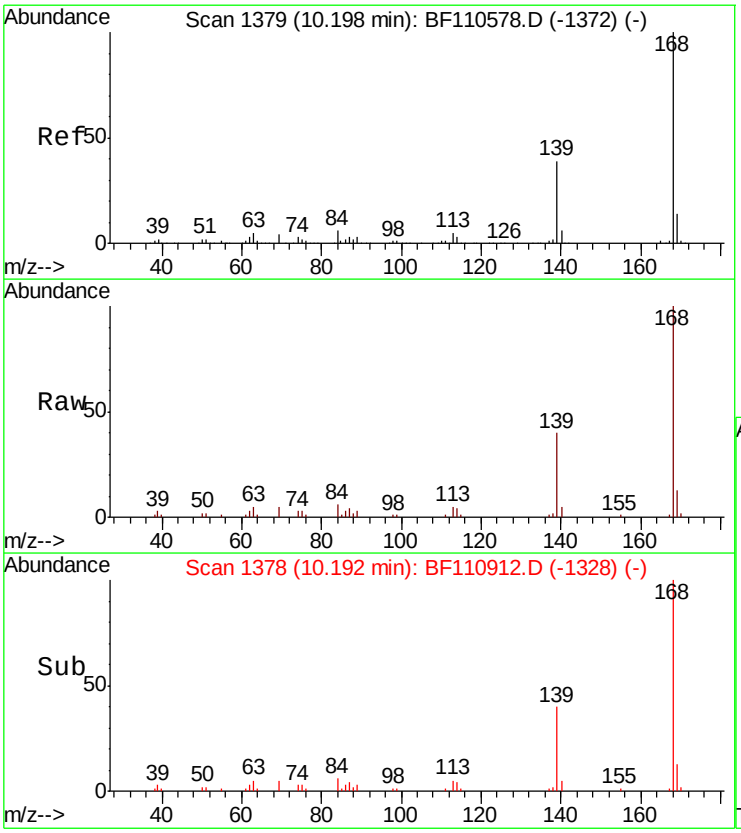
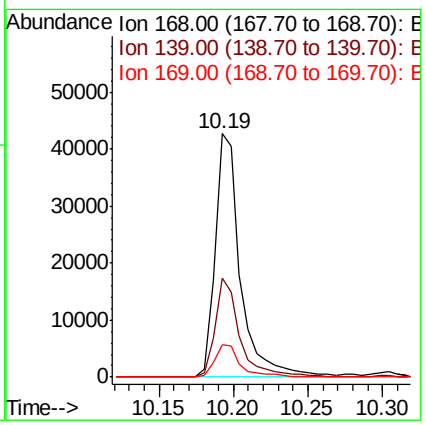
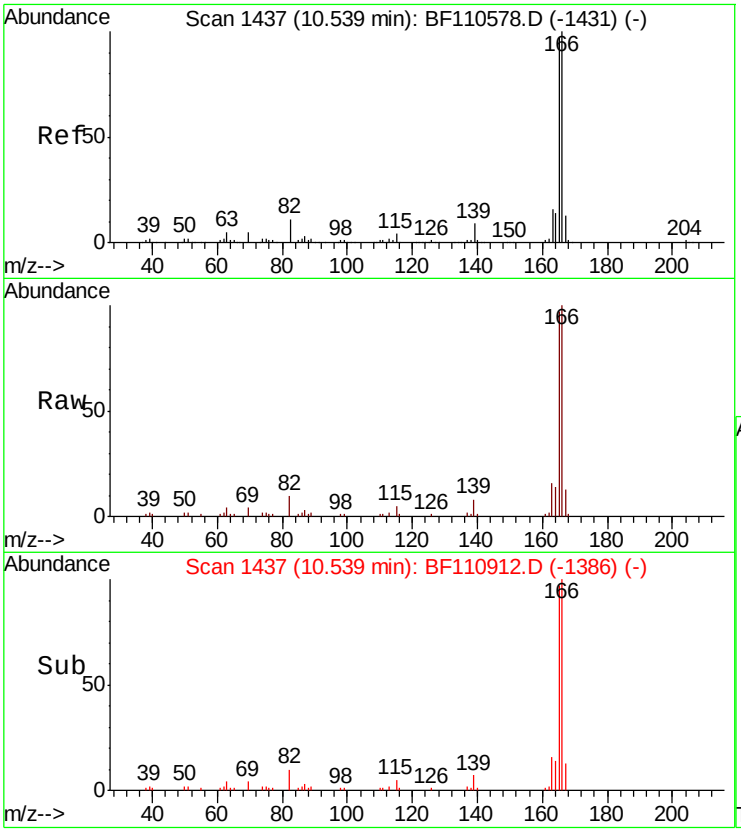


#55
Dibenzofuran
Concen: 6.090 ng
RT: 10.19 min Scan# 1378
Delta R.T. -0.01 min
Lab File: BF110912.D
Acq: 21 Nov 2018 00:46

Tgt Ion:168 Resp: 50478

Ion	Ratio	Lower	Upper
168	100		
139	40.4	33.0	49.6
169	13.1	11.3	16.9

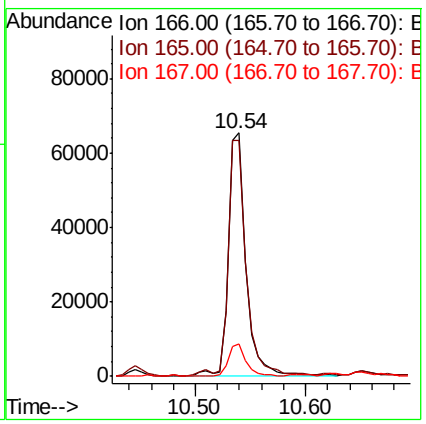




#58
Fluorene
Concen: 11.651 ng
RT: 10.54 min Scan# 1437
Delta R.T. 0.00 min
Lab File: BF110912.D
Acq: 21 Nov 2018 00:46

Tgt Ion:166 Resp: 74181

Ion	Ratio	Lower	Upper
166	100		
165	97.1	78.6	117.8
167	13.3	10.8	16.2



Instrument :
BNA_F
ClientSampleId :
DTW-02(11-13)MSDDL

Manual Integrations APPROVED
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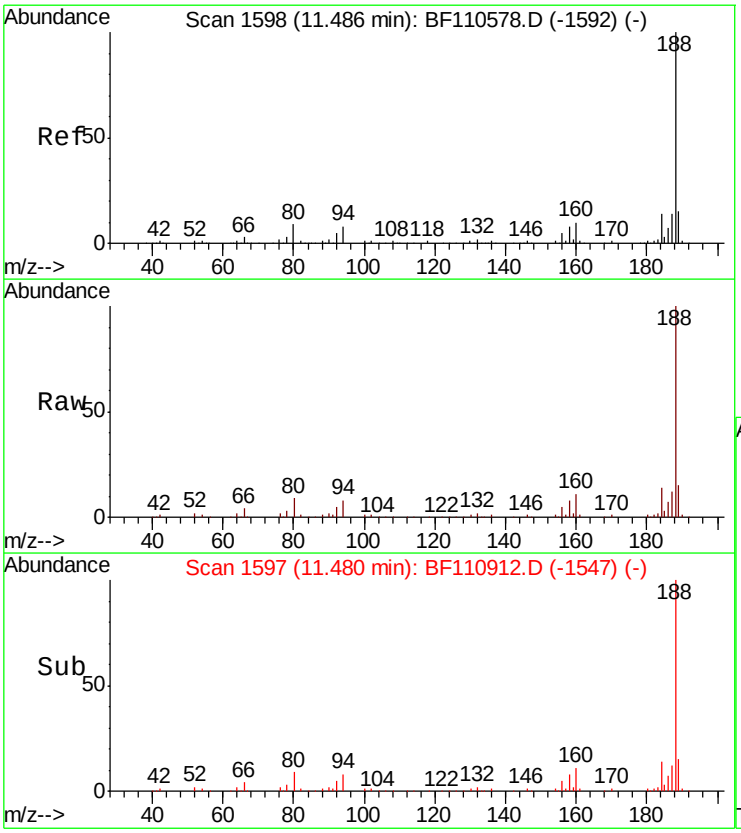
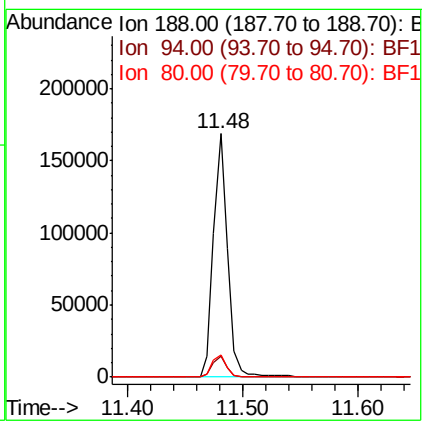
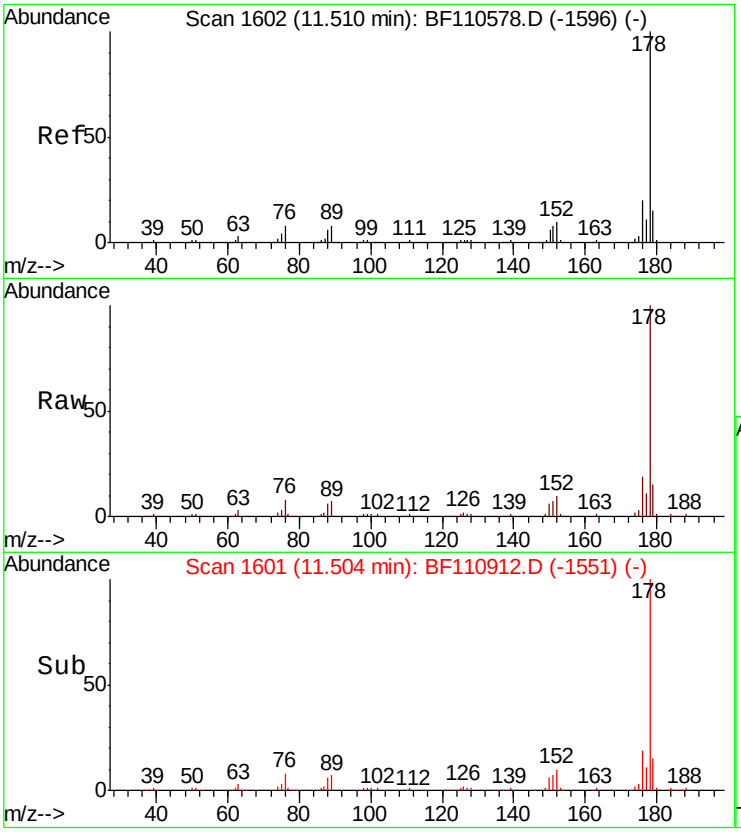


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.48 min Scan# 1597
Delta R.T. -0.01 min
Lab File: BF110912.D
Acq: 21 Nov 2018 00:46

Tgt Ion:188 Resp: 143482

Ion	Ratio	Lower	Upper
188	100		
94	8.5	7.2	10.8
80	8.9	7.9	11.9

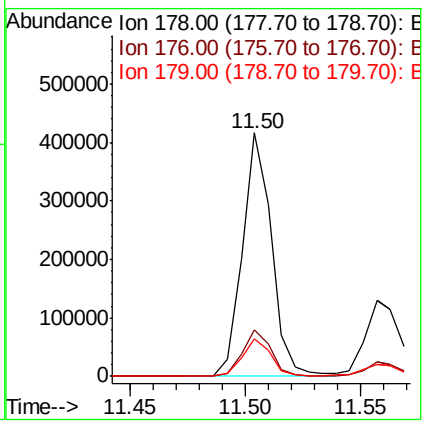




#71
Phenanthrene
Concen: 47.960 ng
RT: 11.50 min Scan# 1601
Delta R.T. -0.01 min
Lab File: BF110912.D
Acq: 21 Nov 2018 00:46

Tgt Ion:178 Resp: 368672

Ion	Ratio	Lower	Upper
178	100		
176	19.0	15.5	23.3
179	15.3	12.5	18.7



Instrument :
BNA_F
ClientSampleId :
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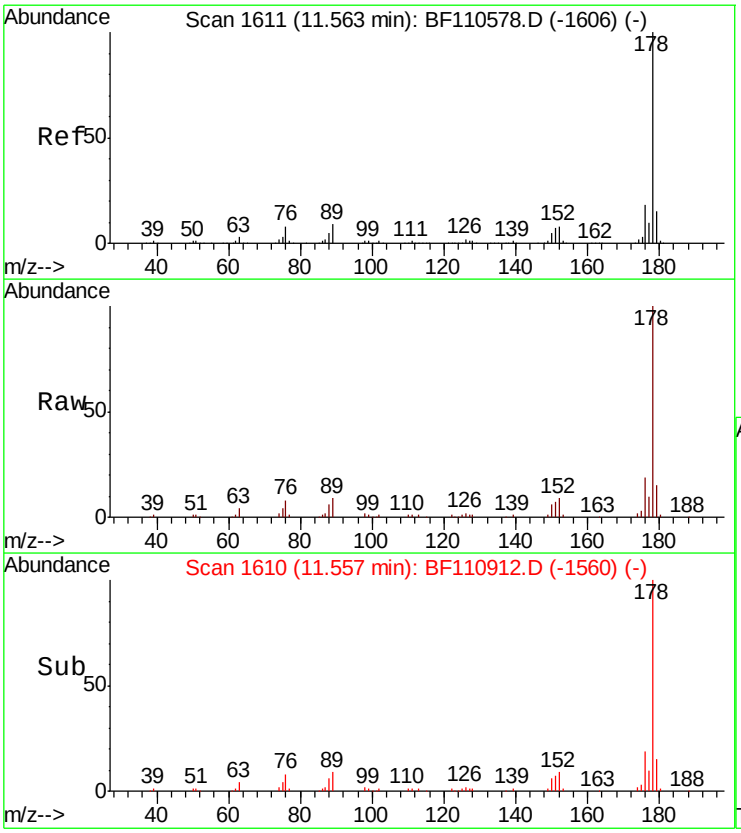
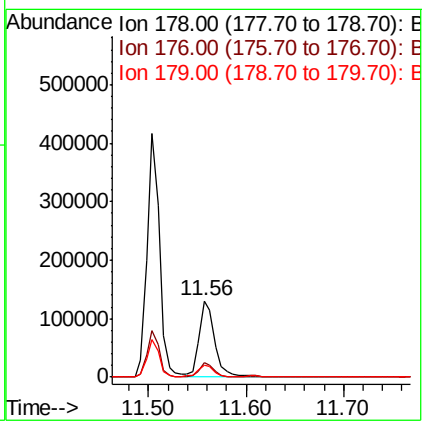
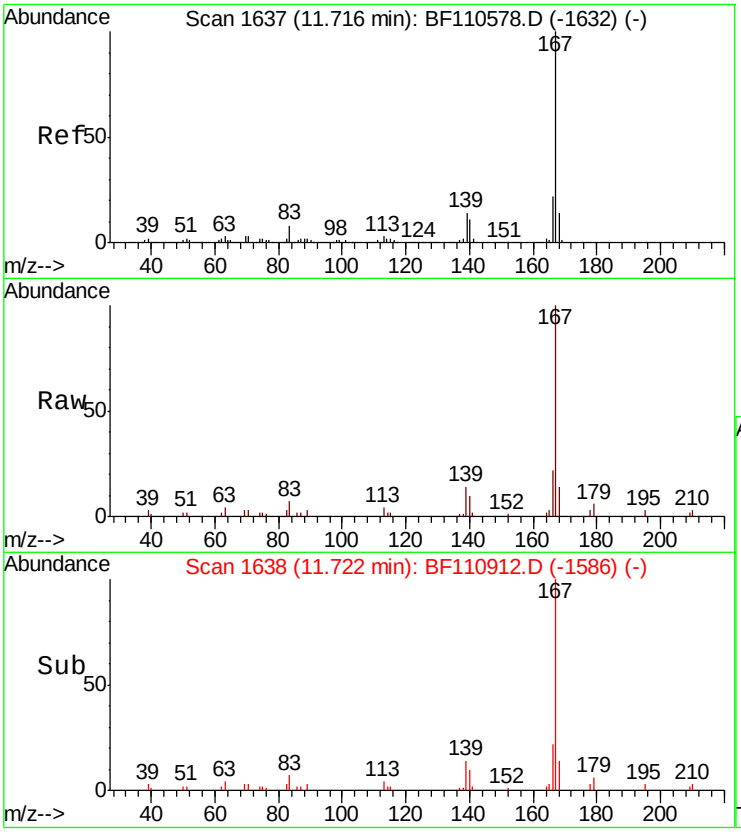


#72
Anthracene
Concen: 18.800 ng
RT: 11.56 min Scan# 1610
Delta R.T. -0.01 min
Lab File: BF110912.D
Acq: 21 Nov 2018 00:46

Tgt Ion:178 Resp: 145779

Ion	Ratio	Lower	Upper
178	100		
176	18.8	15.4	23.2
179	15.5	12.6	18.8





#73
Carbazole
Concen: 3.381 ng
RT: 11.72 min Scan# 1638
Delta R.T. 0.01 min
Lab File: BF110912.D
Acq: 21 Nov 2018 00:46

Tgt Ion:167 Resp: 25178

Ion	Ratio	Lower	Upper
167	100		
166	21.7	17.4	26.0
139	13.6	10.9	16.3

Instrument :
BNA_F
ClientSampleId :
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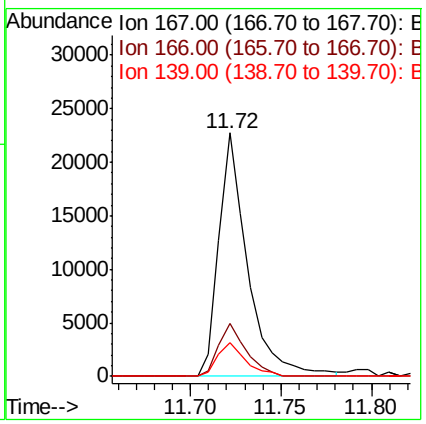
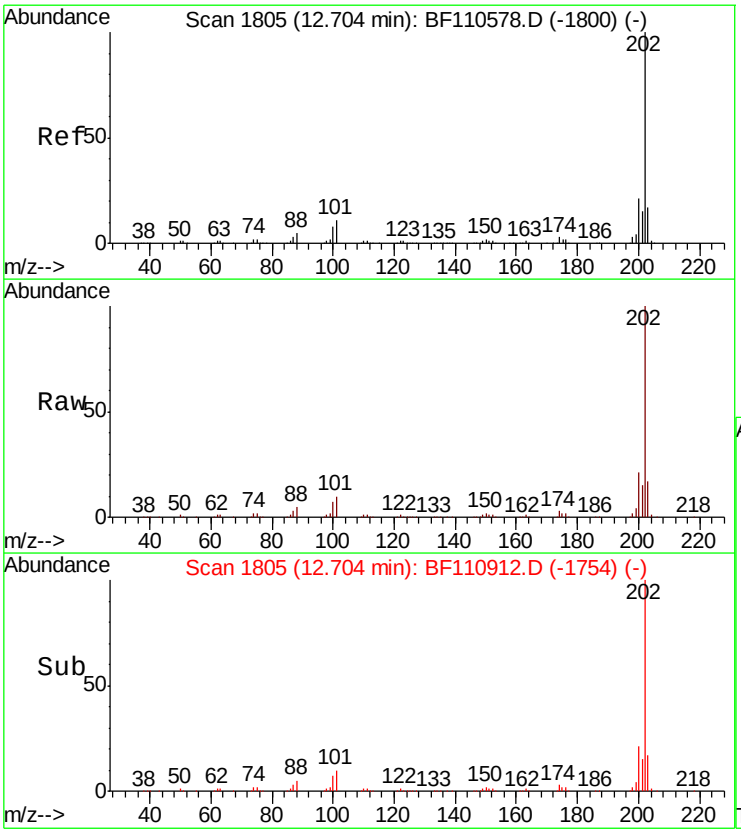
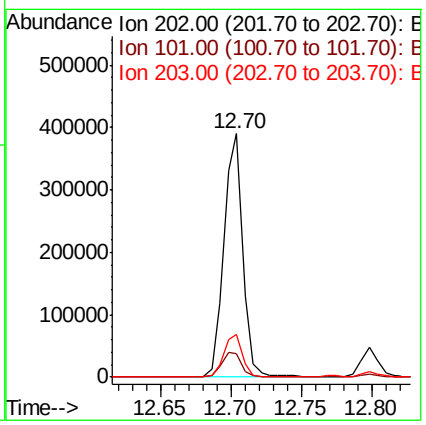


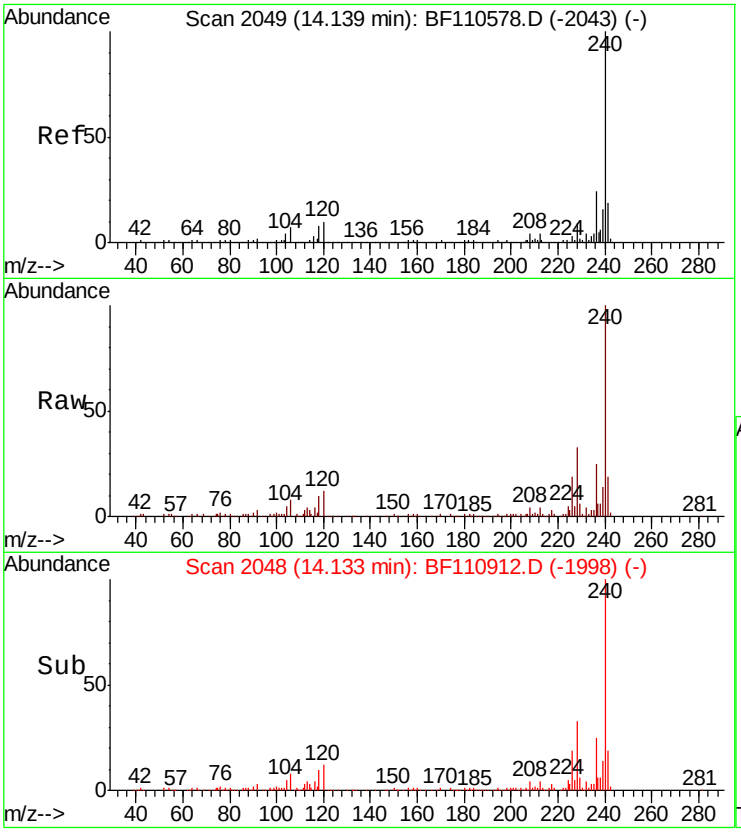


#75
Fluoranthene
Concen: 47.103 ng
RT: 12.70 min Scan# 1805
Delta R.T. 0.00 min
Lab File: BF110912.D
Acq: 21 Nov 2018 00:46

Tgt Ion:202 Resp: 363015

Ion	Ratio	Lower	Upper
202	100		
101	9.6	0.0	31.4
203	17.3	0.0	37.7

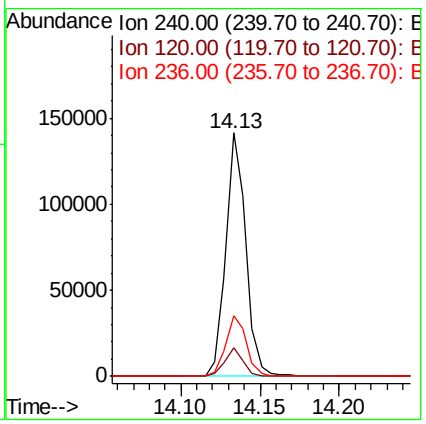




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.13 min Scan# 2048
Delta R.T. -0.01 min
Lab File: BF110912.D
Acq: 21 Nov 2018 00:46

Tgt Ion:240 Resp: 123947

Ion	Ratio	Lower	Upper
240	100		
120	11.7	8.3	12.5
236	24.6	21.2	31.8



Instrument :
BNA_F
ClientSampleId :
DTW-02(11-13)MSDDL

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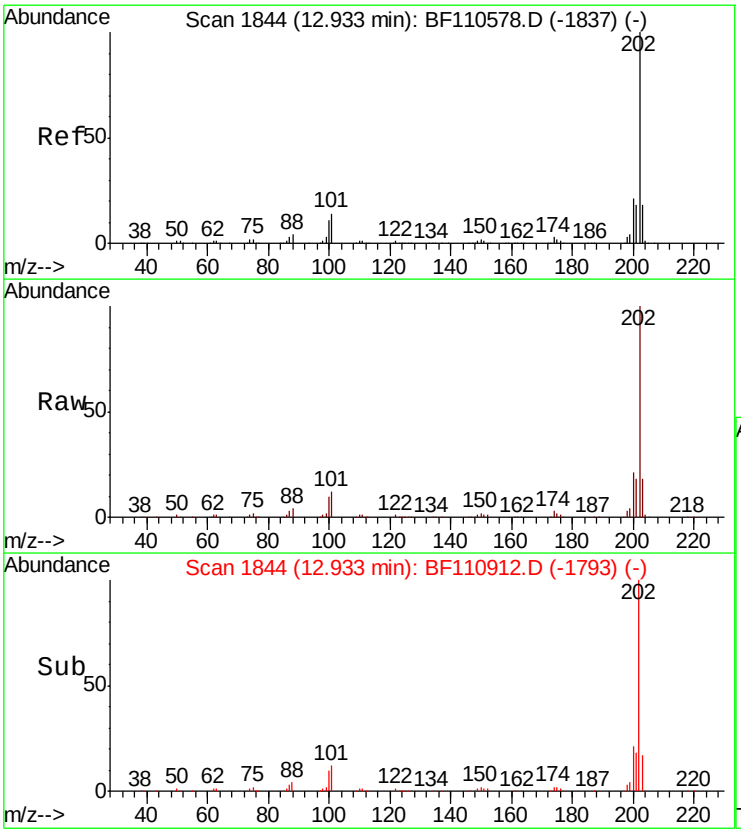
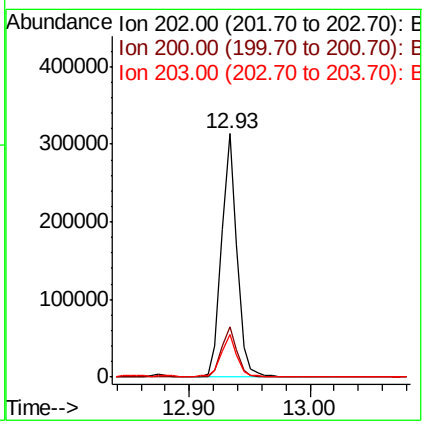
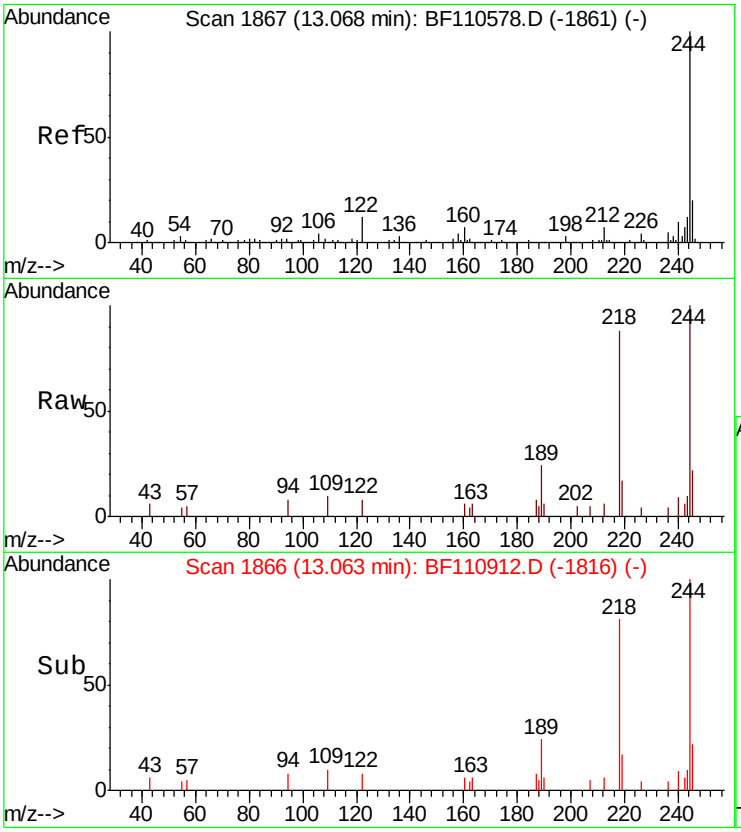


#78
Pyrene
Concen: 28.809 ng
RT: 12.93 min Scan# 1844
Delta R.T. 0.00 min
Lab File: BF110912.D
Acq: 21 Nov 2018 00:46

Tgt Ion:202 Resp: 274941

Ion	Ratio	Lower	Upper
202	100		
200	20.7	17.8	26.6
203	17.7	14.2	21.4

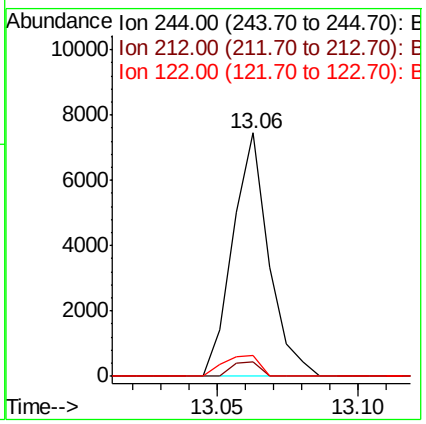




#79
Terphenyl-d14
Concen: 0.995 ng
RT: 13.06 min Scan# 1866
Delta R.T. -0.01 min
Lab File: BF110912.D
Acq: 21 Nov 2018 00:46

Tgt Ion:244 Resp: 6587

Ion	Ratio	Lower	Upper
244	100		
212	6.1	5.8	8.8
122	8.4	8.7	13.1#



Instrument :
BNA_F
ClientSampleId :
DTW-02(11-13)MSDDL

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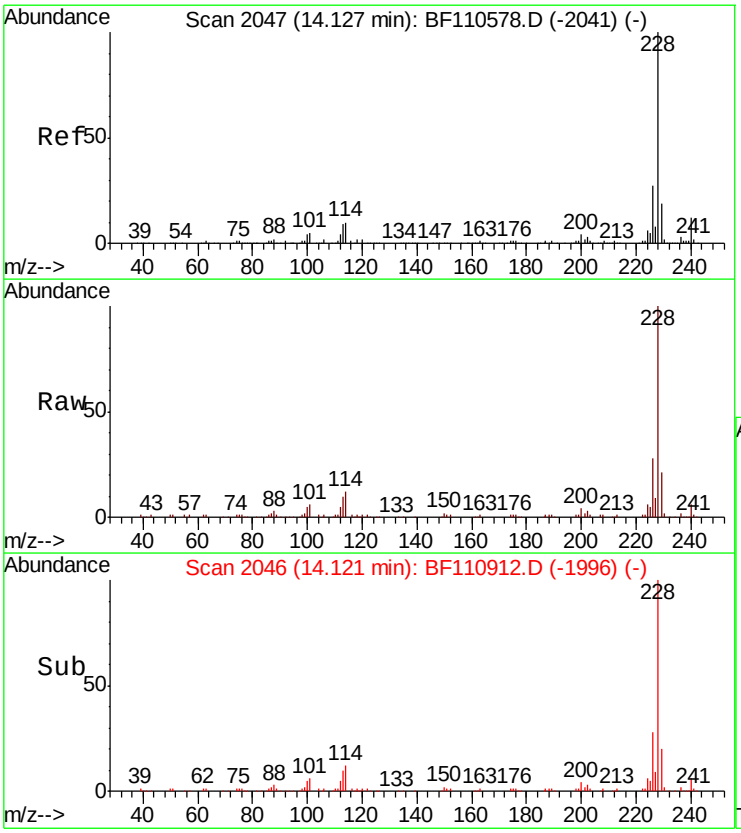
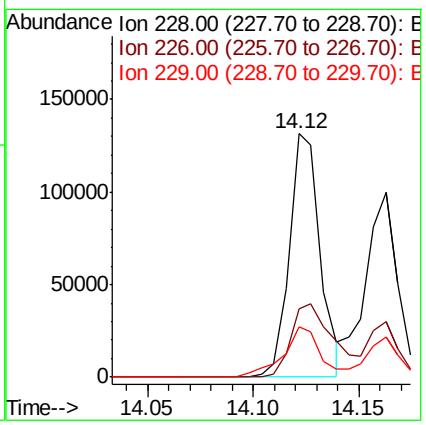
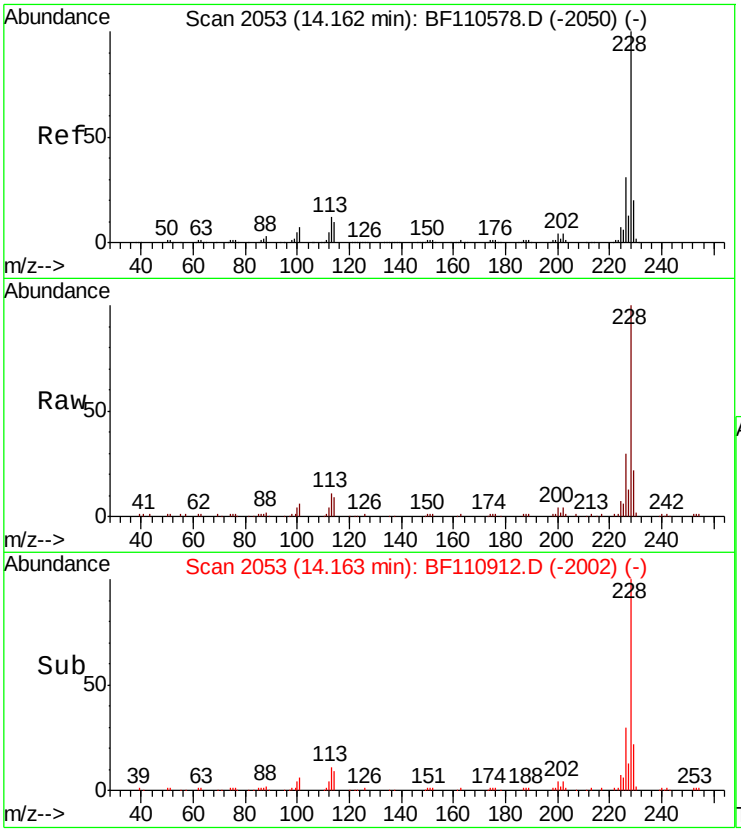


#81
Benzo(a)anthracene
Concen: 18.073 ng
RT: 14.12 min Scan# 2046
Delta R.T. -0.01 min
Lab File: BF110912.D
Acq: 21 Nov 2018 00:46

Tgt Ion:228 Resp: 133895

Ion	Ratio	Lower	Upper
228	100		
226	28.1	22.1	33.1
229	20.6	15.6	23.4

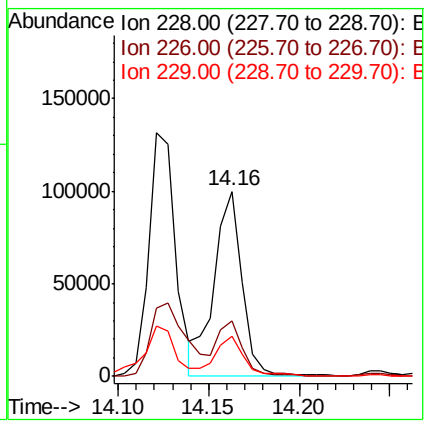




#83
Chrysene
Concen: 15.097 ng
RT: 14.16 min Scan# 2053
Delta R.T. 0.00 min
Lab File: BF110912.D
Acq: 21 Nov 2018 00:46

Tgt Ion:228 Resp: 106555

Ion	Ratio	Lower	Upper
228	100		
226	29.7	24.7	37.1
229	21.8	15.9	23.9



Instrument :
BNA_F
ClientSampleId :
DTW-02(11-13)MSDDL

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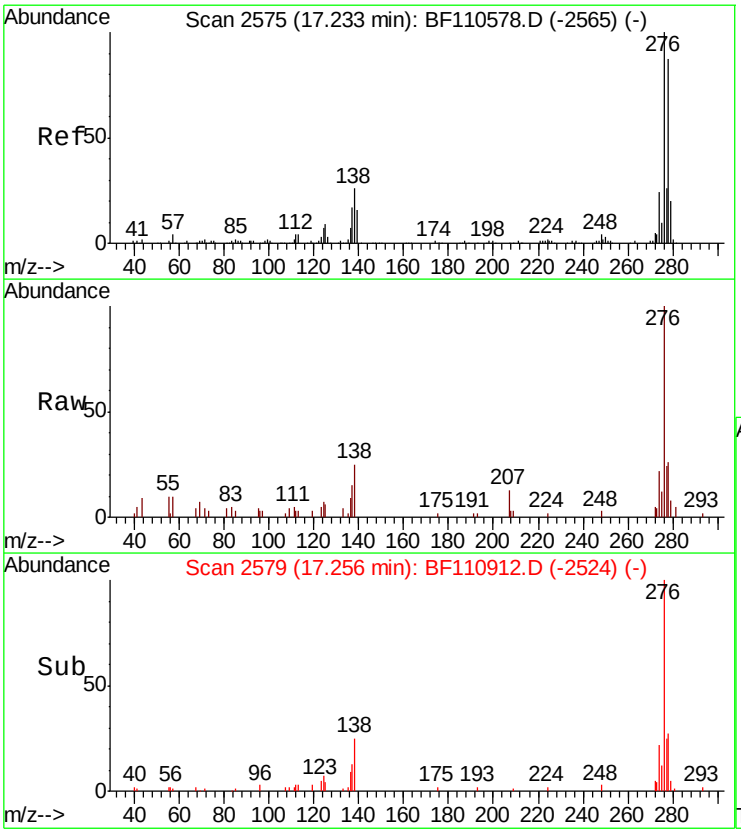
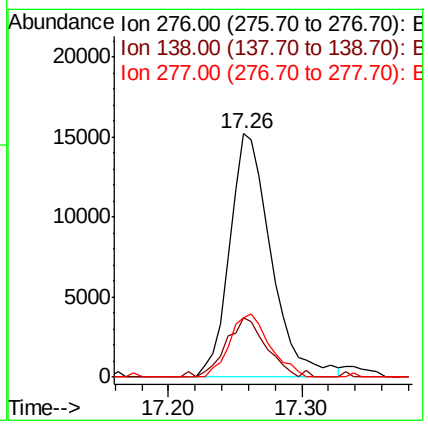
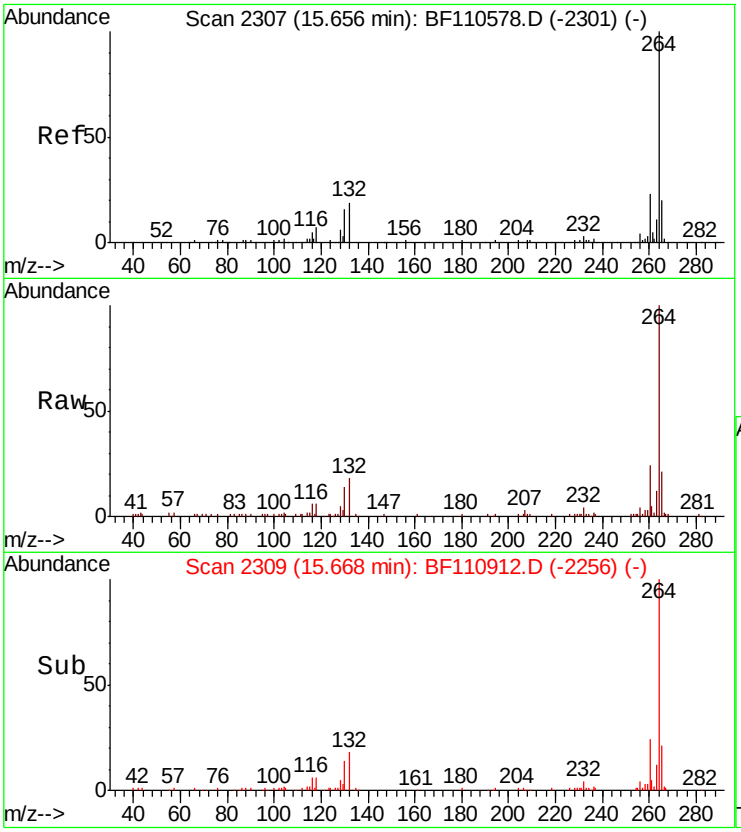


#86
Indeno(1,2,3-cd)pyrene
Concen: 6.478 ng
RT: 17.26 min Scan# 2579
Delta R.T. 0.02 min
Lab File: BF110912.D
Acq: 21 Nov 2018 00:46

Tgt Ion:276 Resp: 32811

Ion	Ratio	Lower	Upper
276	100		
138	23.4	18.5	27.7
277	24.9	20.0	30.0

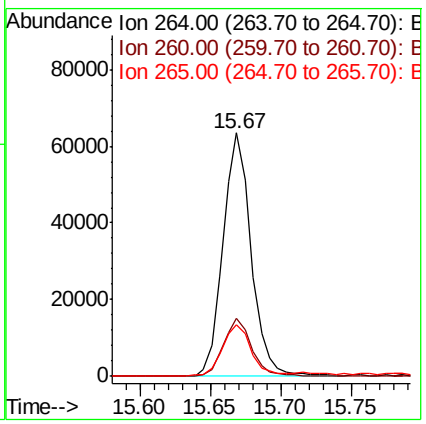




#87
Perylene-d12
Concen: 20.000 ng
RT: 15.67 min Scan# 2309
Delta R.T. 0.01 min
Lab File: BF110912.D
Acq: 21 Nov 2018 00:46

Tgt Ion:264 Resp: 88015

Ion	Ratio	Lower	Upper
264	100		
260	23.8	18.7	28.1
265	21.3	16.7	25.1



Instrument :
BNA_F
ClientSampleId :
DTW-02(11-13)MSDDL

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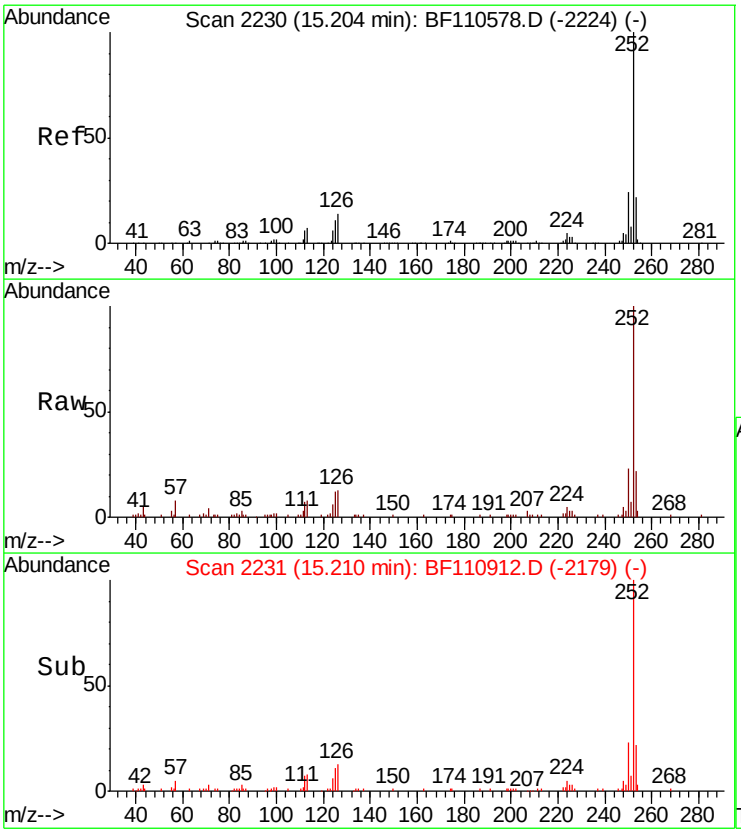
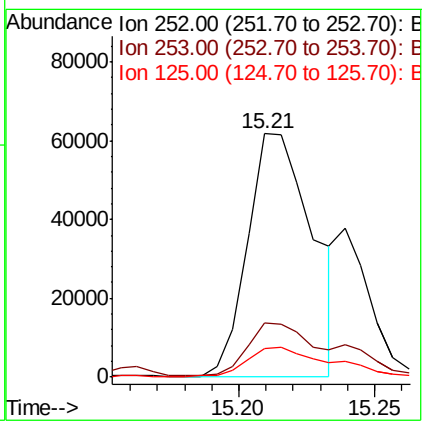
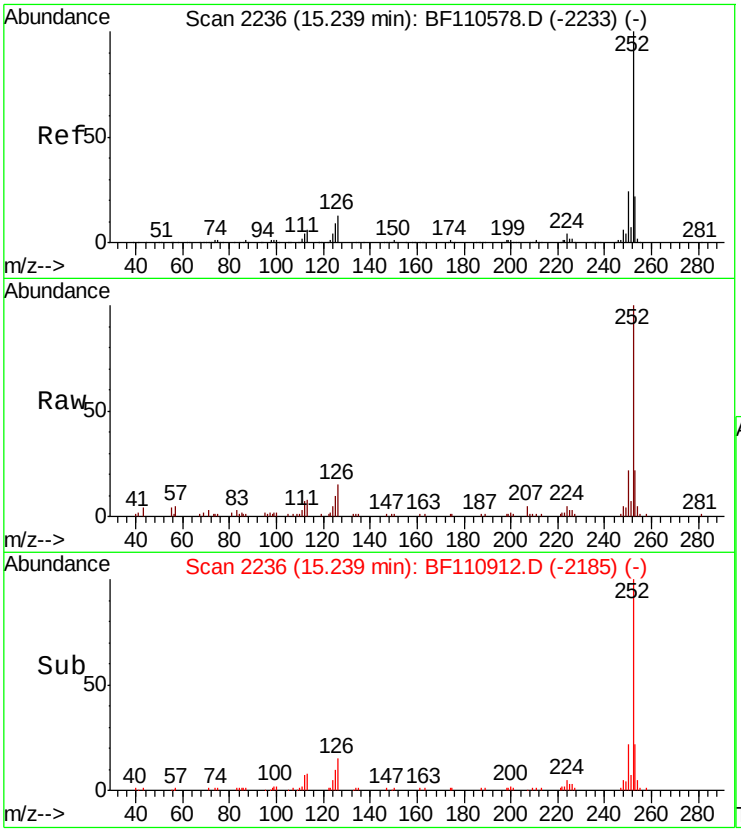


#88
Benzo(b)fluoranthene
Concen: 19.575 ng m
RT: 15.21 min Scan# 2231
Delta R.T. 0.01 min
Lab File: BF110912.D
Acq: 21 Nov 2018 00:46

Tgt Ion:252 Resp: 103072

Ion	Ratio	Lower	Upper
252	100		
253	22.4	17.2	25.8
125	11.7	8.2	12.4

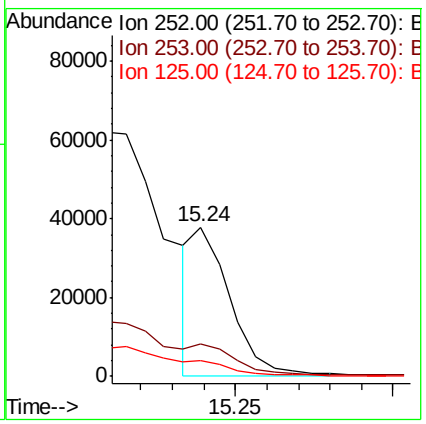




#89
Benzo(k)fluoranthene
Concen: 6.109 ng m
RT: 15.24 min Scan# 2236
Delta R.T. 0.00 min
Lab File: BF110912.D
Acq: 21 Nov 2018 00:46

Tgt Ion:252 Resp: 31783

Ion	Ratio	Lower	Upper
252	100		
253	21.9	17.2	25.8
125	10.3	7.4	11.0



Instrument :
BNA_F
ClientSampleId :
DTW-02(11-13)MSDDL

Manual Integrations APPROVED
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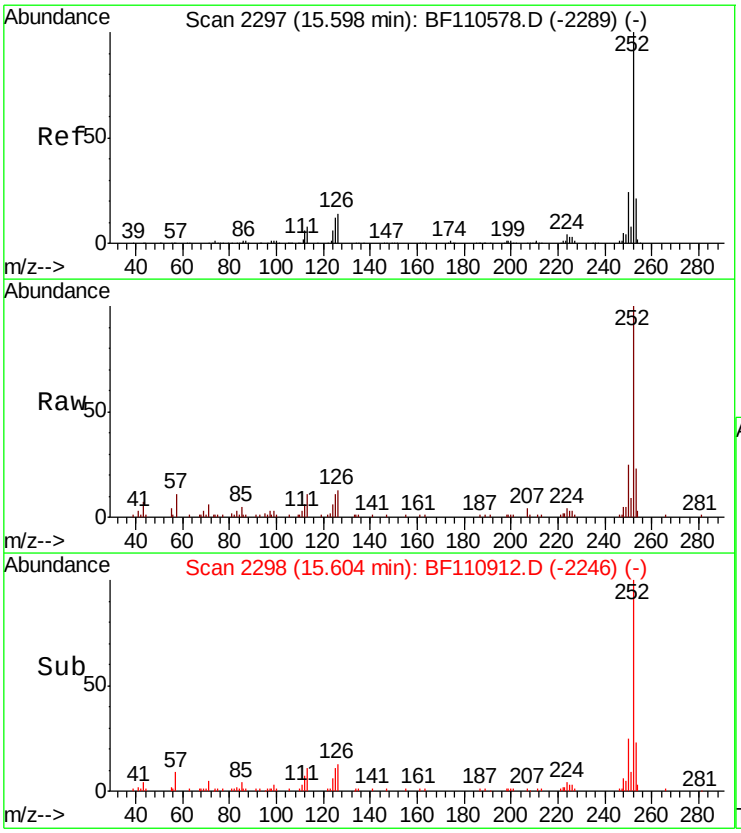
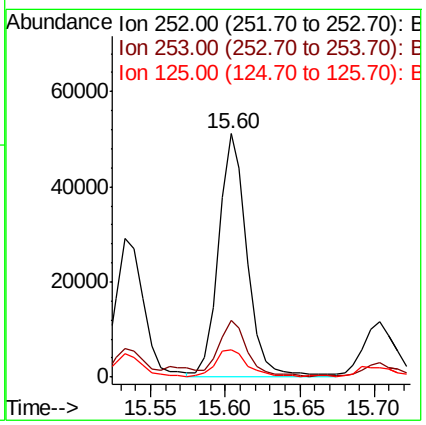
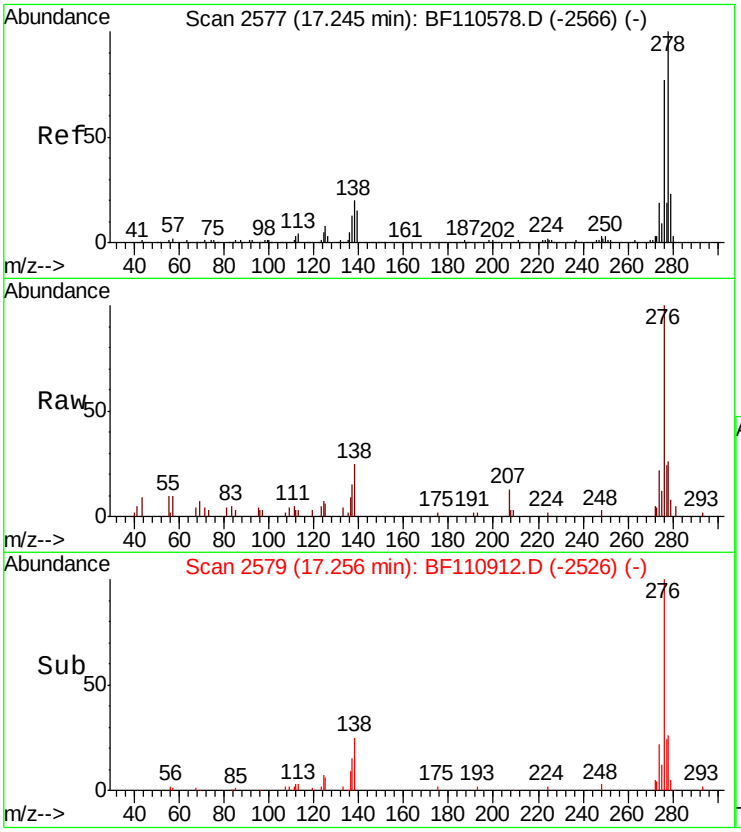


#90
Benzo(a)pyrene
Concen: 14.417 ng
RT: 15.60 min Scan# 2298
Delta R.T. 0.01 min
Lab File: BF110912.D
Acq: 21 Nov 2018 00:46

Tgt Ion:252 Resp: 68969

Ion	Ratio	Lower	Upper
252	100		
253	23.0	18.2	27.4
125	11.1	9.0	13.6





#91
Dibenzo(a,h)anthracene
Concen: 2.782 ng m
RT: 17.26 min Scan# 2579
Delta R.T. 0.01 min
Lab File: BF110912.D
Acq: 21 Nov 2018 00:46

Tgt Ion:278 Resp: 11263

Ion	Ratio	Lower	Upper
278	100		
139	0.0	12.7	19.1#
279	29.9	19.0	28.4#

Instrument :
BNA_F
ClientSampleId :
DTW-02(11-13)MSDDL

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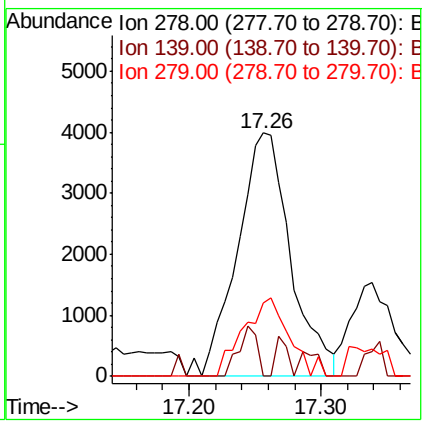

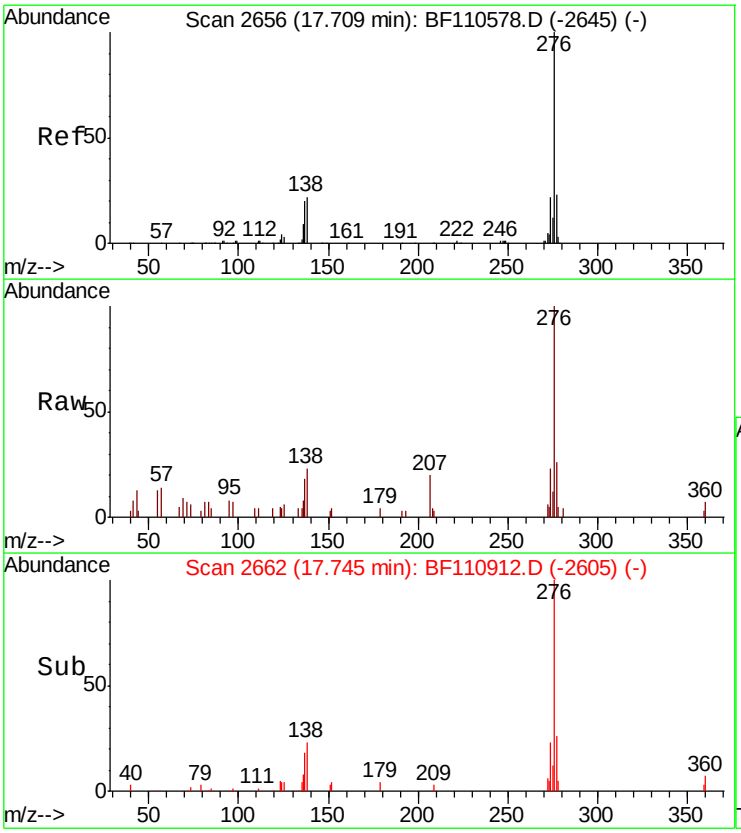

#92
Benzo(g,h,i)perylene
Concen: 6.649 ng
RT: 17.74 min Scan# 2662
Delta R.T. 0.04 min
Lab File: BF110912.D
Acq: 21 Nov 2018 00:46

Tgt Ion:276 Resp: 26706

Ion	Ratio	Lower	Upper
276	100		
277	25.6	18.8	28.2
138	22.5	16.0	24.0