Quantitation Report (QT/LSC Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF110118\
Data File : BF110381.D
Acq On : 1 Nov 2018 21:28
Operator : JU/SJ
Sample : J5200-19 5X
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
OR-03-103118-B

Manual Integrations APPROVED
Sohil
11/2/2018 2:48:49 PM

Quant Time: Nov 02 05:08:46 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF102318.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Nov 01 16:06:12 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.96	152	67571	20.00	ng	0.00
21) Naphthalene-d8	8.24	136	256307	20.00	ng	0.00
39) Acenaphthene-d10	10.00	164	105042	20.00	ng	0.00
64) Phenanthrene-d10	11.49	188	183540	20.00	ng	0.00
76) Chrysene-d12	14.13	240	186497	20.00	ng	0.00
87) Perylene-d12	15.66	264	164981	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.57	112	86433	20.83	ng	0.00
7) Phenol-d6	6.57	99	108829	20.51	ng	-0.01
23) Nitrobenzene-d5	7.52	82	64540	14.94	ng	0.00
42) 2,4,6-Tribromophenol	10.79	330	20029	19.25	ng	0.00
45) 2-Fluorobiphenyl	9.31	172	106368	15.90	ng	0.00
79) Terphenyl-d14	13.07	244	103458	11.54	ng	0.00
Target Compounds						Qvalue
31) Naphthalene	8.26	128	33615	2.846	ng	100
37) 2-Methylnaphthalene	8.95	142	16025	2.050	ng	97
52) Acenaphthene	10.03	154	13462	2.022	ng	96
58) Fluorene	10.55	166	25222	3.636	ng	99
71) Phenanthrene	11.51	178	209708	21.836	ng	99
72) Anthracene	11.56	178	56430	5.862	ng	99
73) Carbazole	11.72	167	25886	2.754	ng	98
75) Fluoranthene	12.70	202	247652	25.409	ng	99
78) Pyrene	12.94	202	254654	19.046	ng	97
81) Benzo(a)anthracene	14.12	228	117546	10.628	ng	97
83) Chrysene	14.16	228	110838	10.551	ng	96
86) Indeno(1,2,3-cd)pyrene	17.22	276	39895	4.578	ng	97
88) Benzo(b)fluoranthene	15.20	252	110669m	11.616	ng	
89) Benzo(k)fluoranthene	15.23	252	39358m	4.202	ng	
90) Benzo(a)pyrene	15.59	252	81326	9.277	ng	98
92) Benzo(g,h,i)perylene	17.70	276	36822	4.940	ng	99

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

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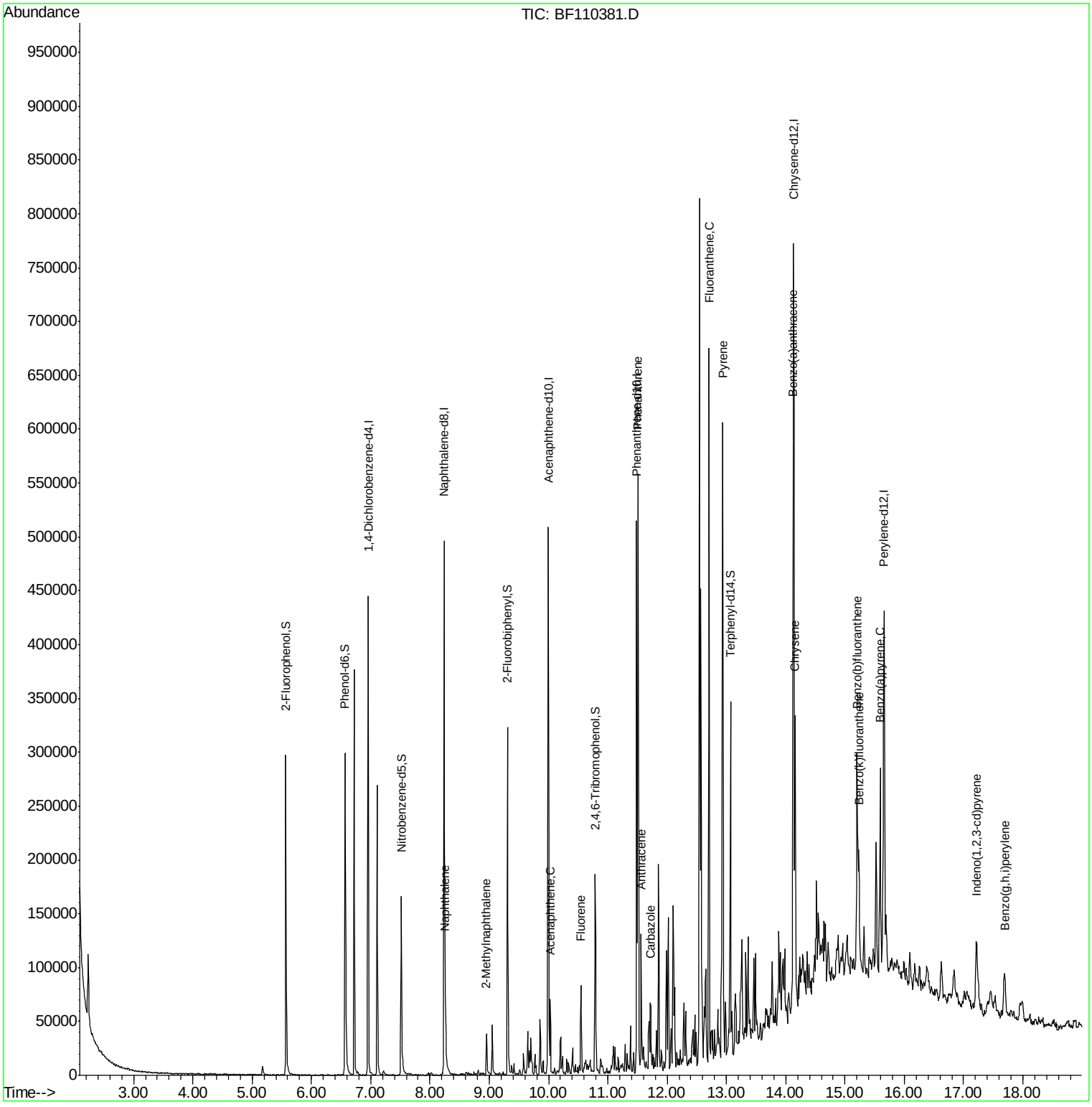
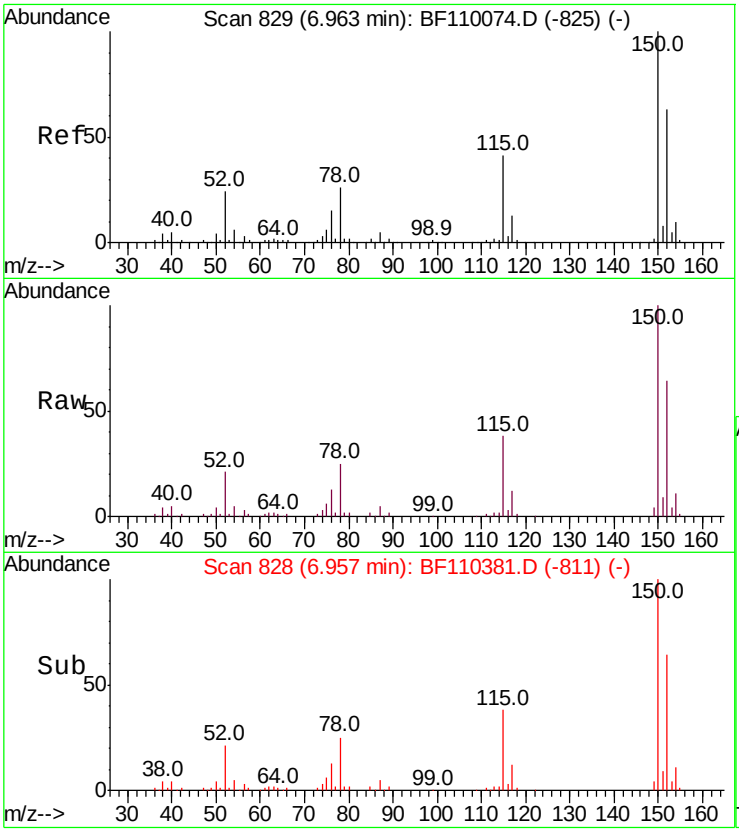
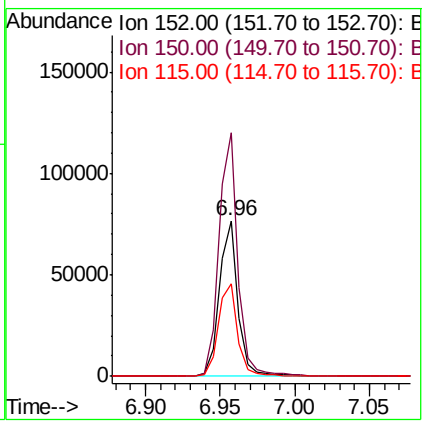




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.96 min Scan# 828
Delta R.T. 0.00 min
Lab File: BF110381.D
Acq: 1 Nov 2018 21:28

Tgt Ion:152 Resp: 67571

Ion	Ratio	Lower	Upper
152	100		
150	156.2	122.7	184.1
115	59.3	49.1	73.7



Instrument :
BNA_F
ClientSampleId :
OR-03-103118-B

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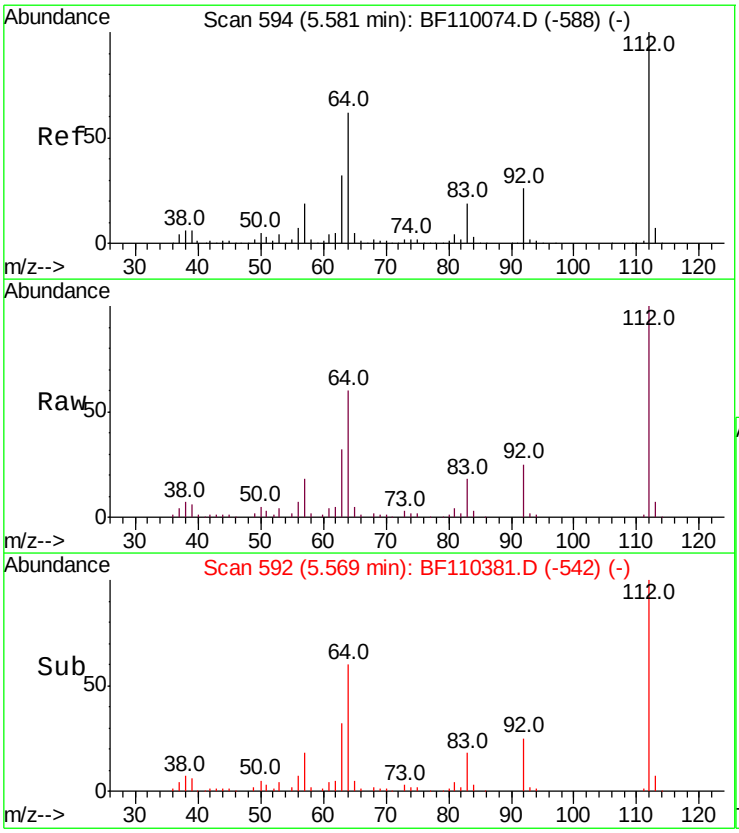
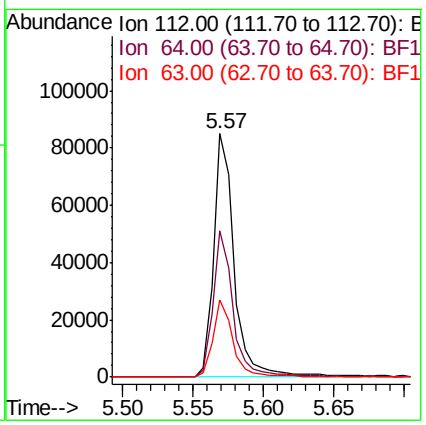
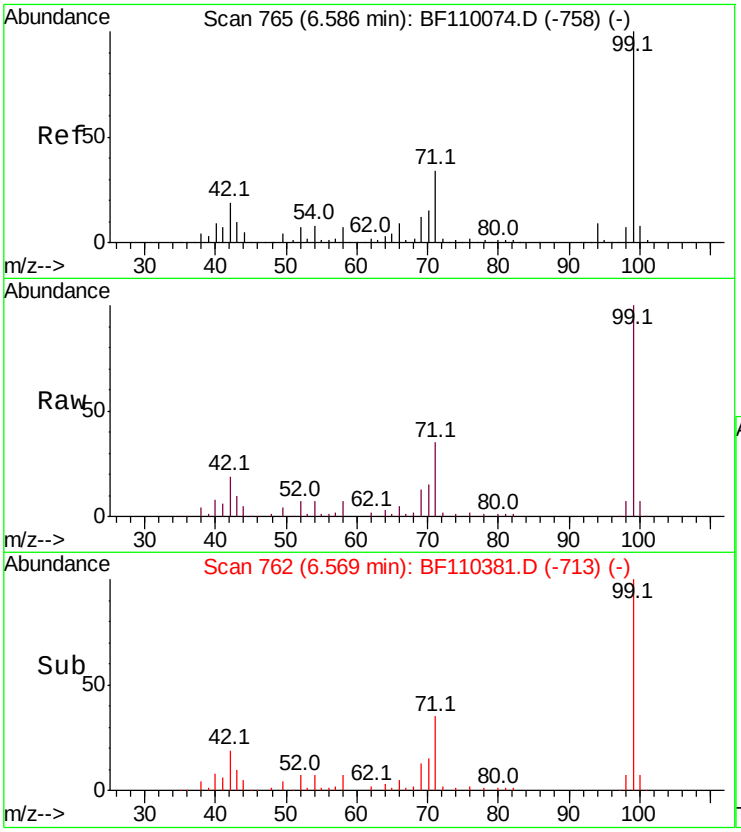


#5
2-Fluorophenol
Concen: 20.830 ng
RT: 5.57 min Scan# 592
Delta R.T. -0.01 min
Lab File: BF110381.D
Acq: 1 Nov 2018 21:28

Tgt Ion:112 Resp: 86433

Ion	Ratio	Lower	Upper
112	100		
64	60.3	44.1	66.1
63	31.9	23.7	35.5

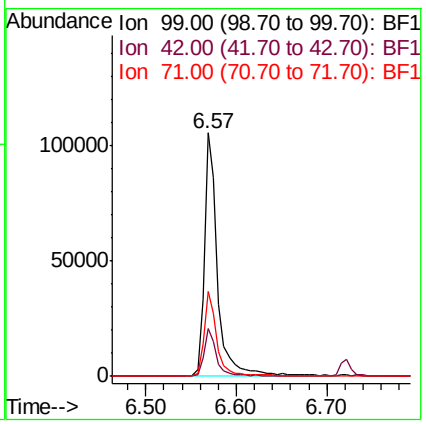




#7
Phenol-d6
Concen: 20.505 ng
RT: 6.57 min Scan# 762
Delta R.T. -0.01 min
Lab File: BF110381.D
Acq: 1 Nov 2018 21:28

Tgt Ion: 99 Resp: 108829

Ion	Ratio	Lower	Upper
99	100		
42	19.4	15.8	23.6
71	35.0	28.0	42.0



Instrument :
BNA_F
ClientSampleId :
OR-03-103118-B

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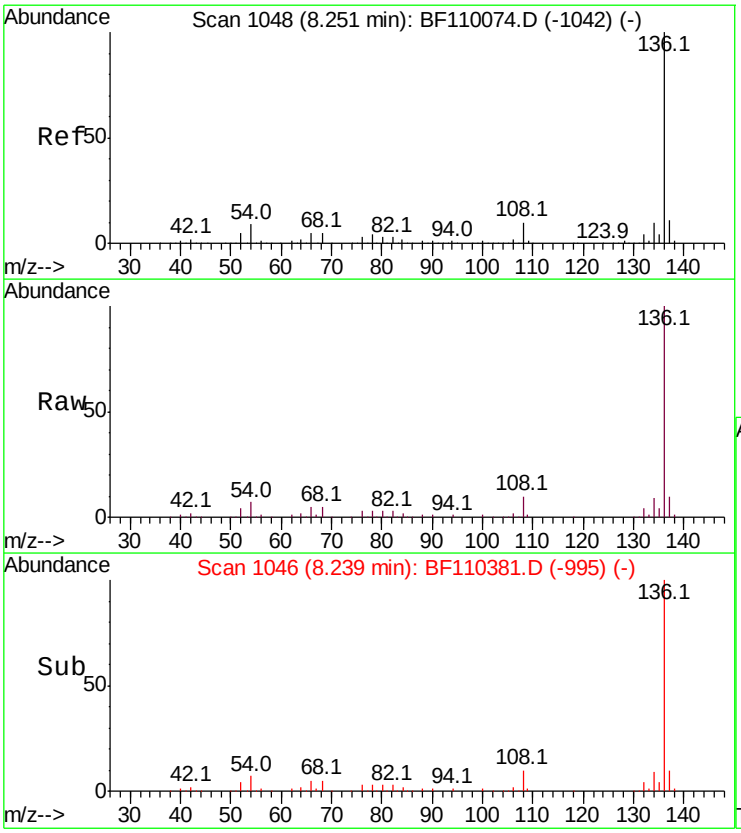
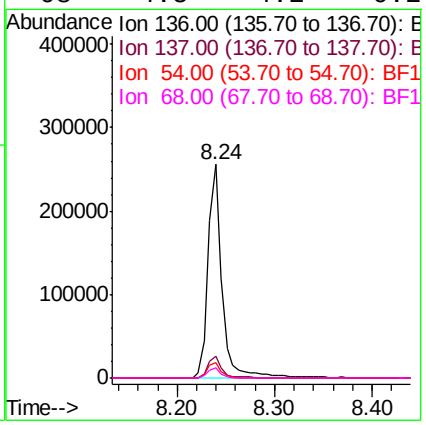
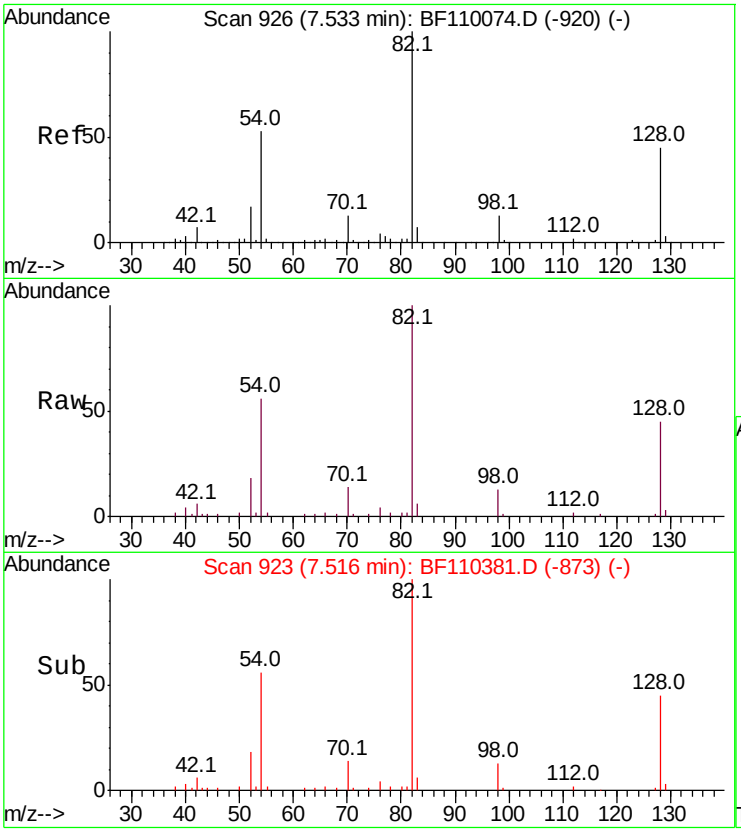


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.24 min Scan# 1046
Delta R.T. 0.00 min
Lab File: BF110381.D
Acq: 1 Nov 2018 21:28

Tgt Ion:136 Resp: 256307

Ion	Ratio	Lower	Upper
136	100		
137	10.3	8.8	13.2
54	7.3	5.4	8.2
68	4.5	4.2	6.2

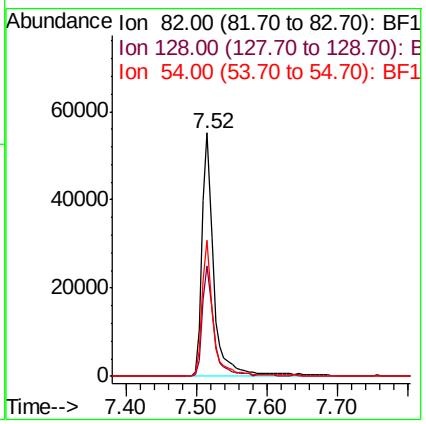




#23
Nitrobenzene-d5
Concen: 14.936 ng
RT: 7.52 min Scan# 923
Delta R.T. -0.01 min
Lab File: BF110381.D
Acq: 1 Nov 2018 21:28

Tgt Ion: 82 Resp: 64540

Ion	Ratio	Lower	Upper
82	100		
128	45.5	34.2	51.2
54	56.1	38.6	58.0



Instrument :
BNA_F
ClientSampleId :
OR-03-103118-B

Manual Integrations APPROVED
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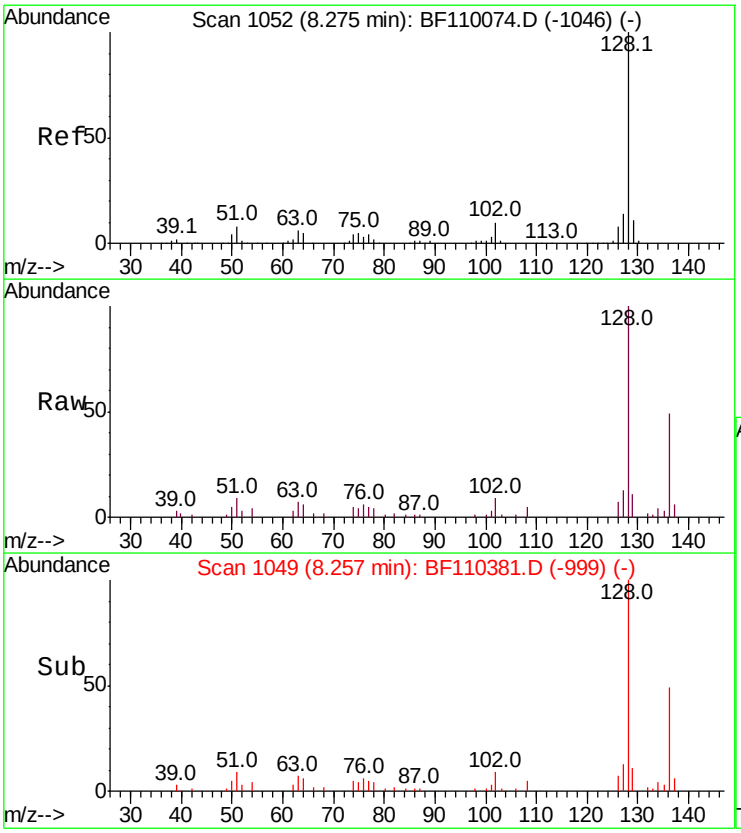
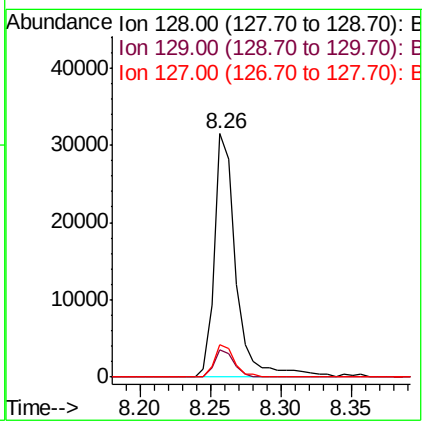
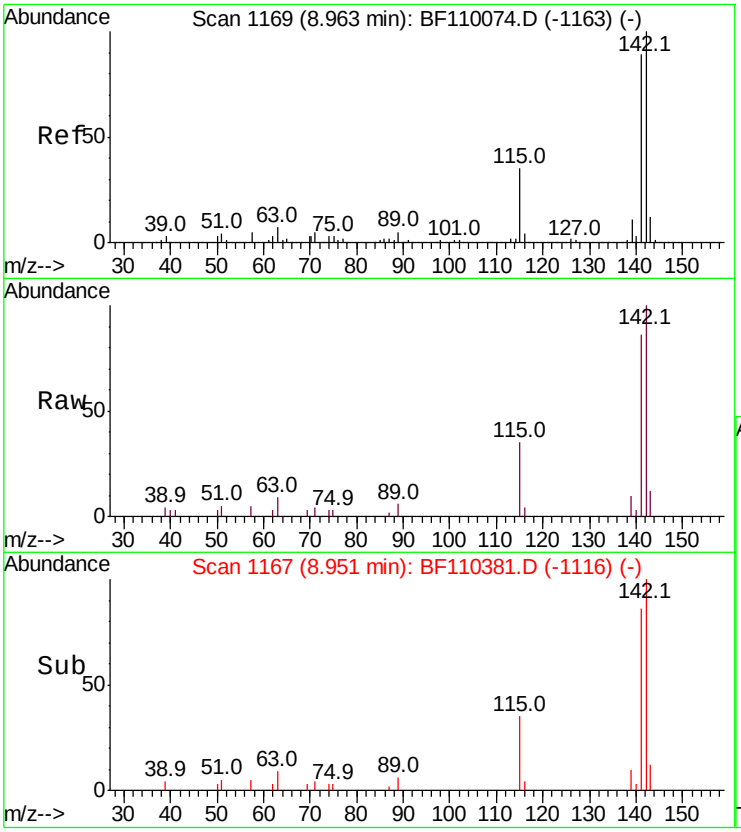


#31
Naphthalene
Concen: 2.846 ng
RT: 8.26 min Scan# 1049
Delta R.T. -0.01 min
Lab File: BF110381.D
Acq: 1 Nov 2018 21:28

Tgt Ion:128 Resp: 33615

Ion	Ratio	Lower	Upper
128	100		
129	11.1	8.8	13.2
127	13.4	10.8	16.2

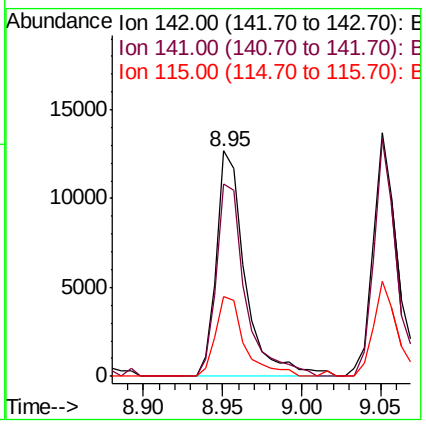




#37
2-Methylnaphthalene
Concen: 2.050 ng
RT: 8.95 min Scan# 1167
Delta R.T. 0.00 min
Lab File: BF110381.D
Acq: 1 Nov 2018 21:28

Tgt Ion:142 Resp: 16025

Ion	Ratio	Lower	Upper
142	100		
141	85.6	71.4	107.2
115	35.3	28.7	43.1



Instrument :
BNA_F
ClientSampleId :
OR-03-103118-B

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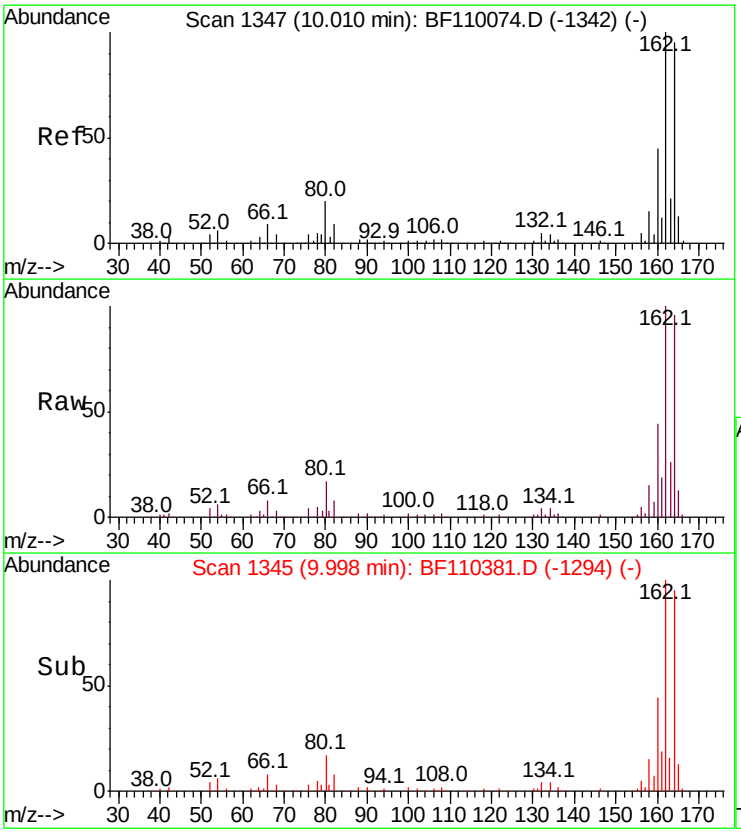
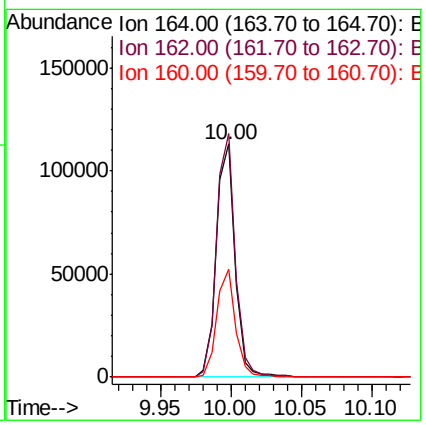
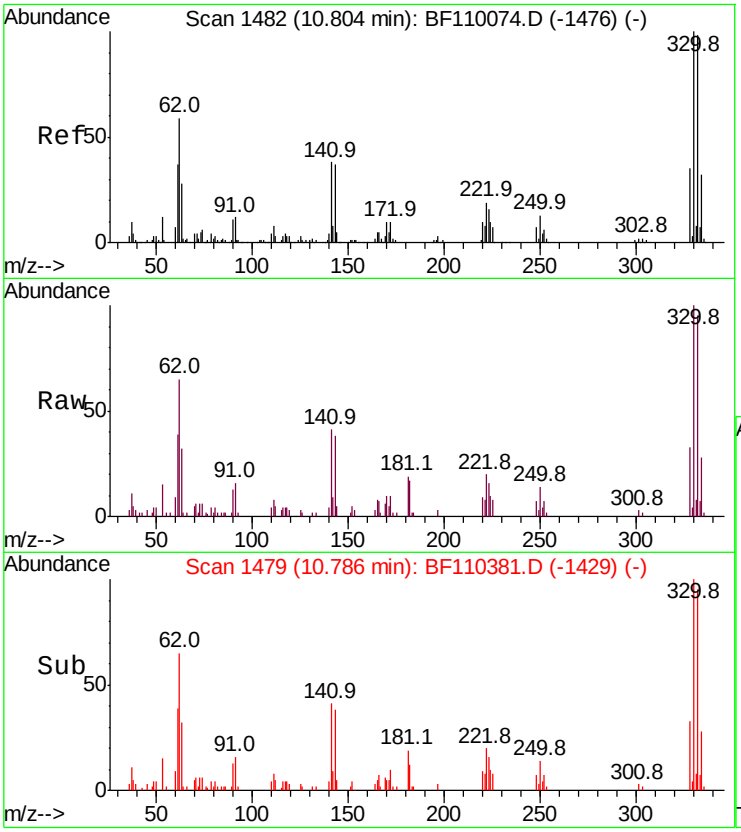


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.00 min Scan# 1345
Delta R.T. 0.00 min
Lab File: BF110381.D
Acq: 1 Nov 2018 21:28

Tgt Ion:164 Resp: 105042

Ion	Ratio	Lower	Upper
164	100		
162	104.4	83.0	124.6
160	46.2	37.0	55.6





#42
2,4,6-Tribromophenol
Concen: 19.249 ng
RT: 10.79 min Scan# 1479
Delta R.T. -0.01 min
Lab File: BF110381.D
Acq: 1 Nov 2018 21:28

Tgt Ion:330 Resp: 20029

Ion	Ratio	Lower	Upper
330	100		
332	96.4	77.1	115.7
141	39.5	27.0	40.4

Instrument :
BNA_F
ClientSampleId :
OR-03-103118-B

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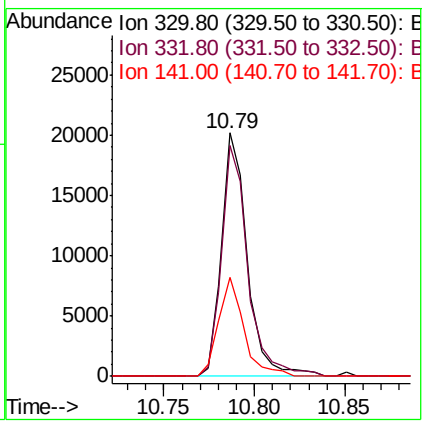
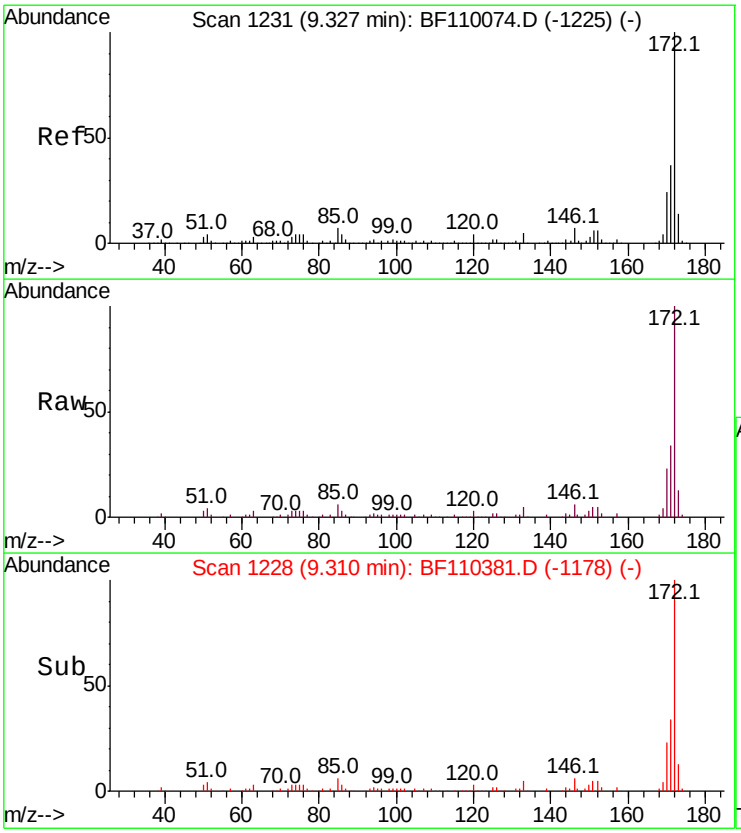
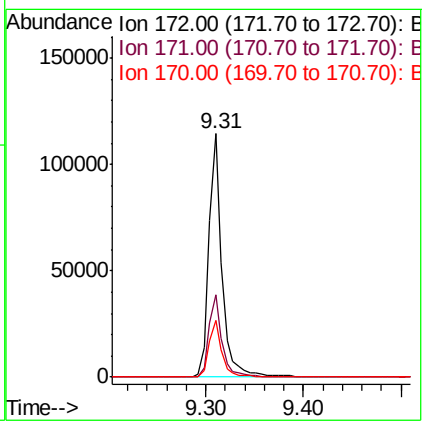


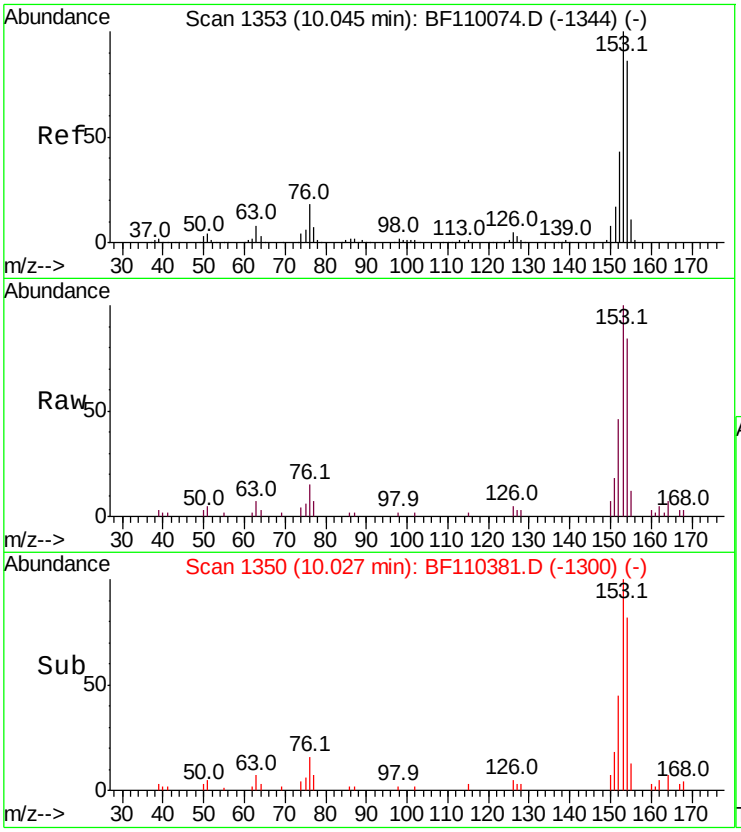


#45
2-Fluorobiphenyl
Concen: 15.901 ng
RT: 9.31 min Scan# 1228
Delta R.T. -0.01 min
Lab File: BF110381.D
Acq: 1 Nov 2018 21:28

Tgt Ion:172 Resp: 106368

Ion	Ratio	Lower	Upper
172	100		
171	34.0	28.6	43.0
170	23.3	19.7	29.5

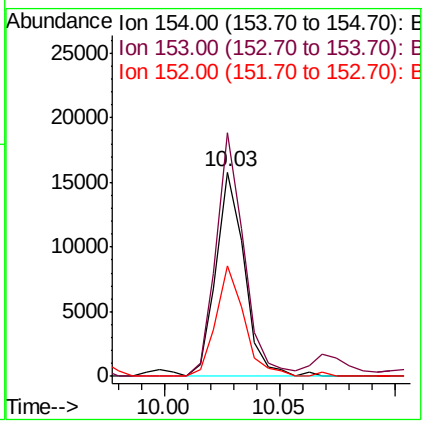




#52
Acenaphthene
Concen: 2.022 ng
RT: 10.03 min Scan# 1350
Delta R.T. -0.01 min
Lab File: BF110381.D
Acq: 1 Nov 2018 21:28

Tgt Ion:154 Resp: 13462

Ion	Ratio	Lower	Upper
154	100		
153	119.3	90.1	135.1
152	54.4	43.4	65.2



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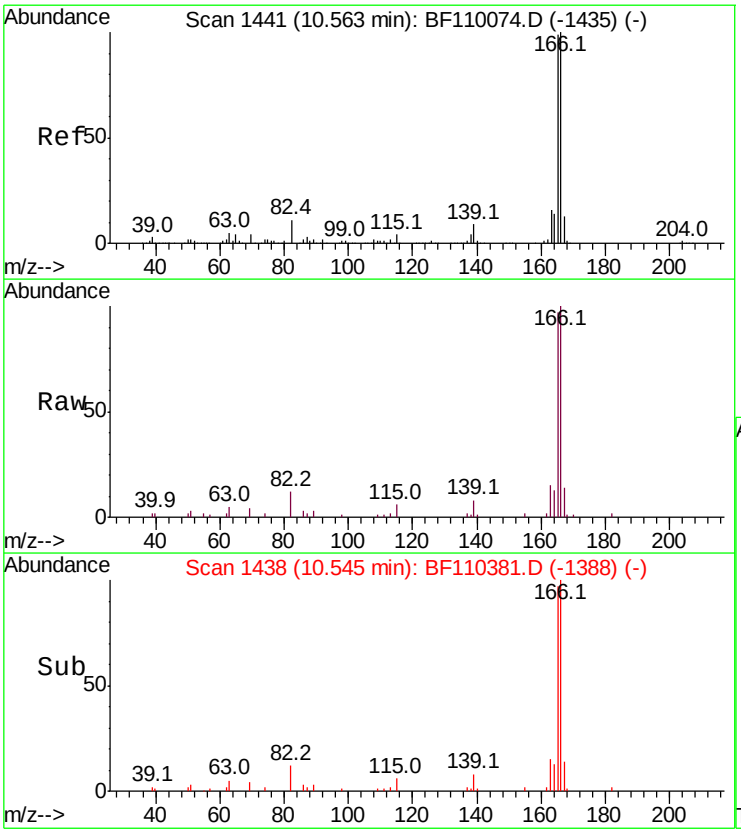
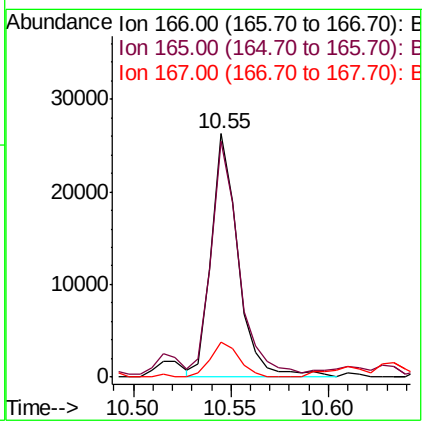
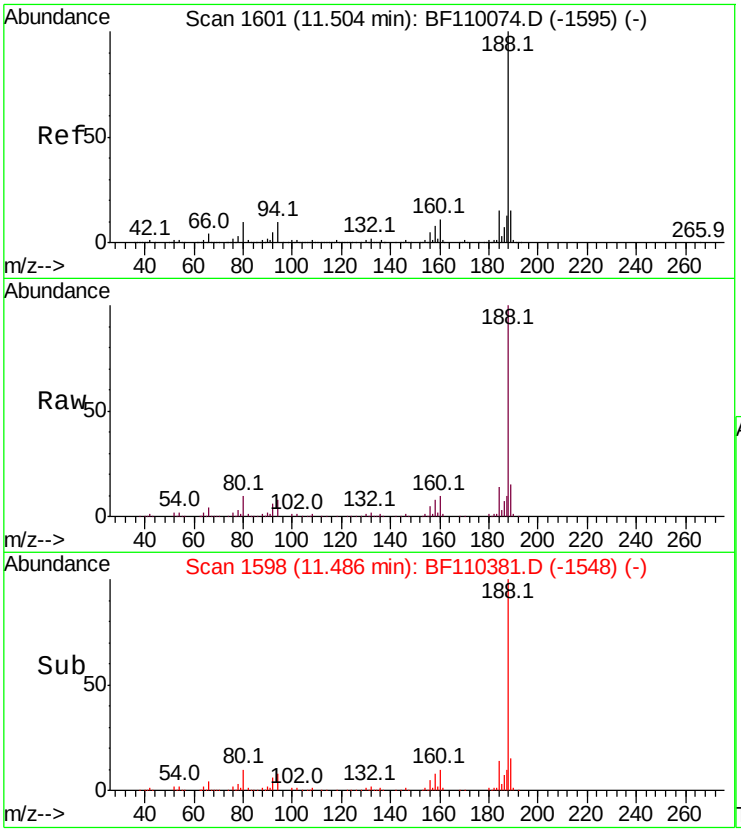


#58
Fluorene
Concen: 3.636 ng
RT: 10.55 min Scan# 1438
Delta R.T. -0.01 min
Lab File: BF110381.D
Acq: 1 Nov 2018 21:28

Tgt Ion:166 Resp: 25222

Ion	Ratio	Lower	Upper
166	100		
165	97.0	78.6	117.8
167	14.2	10.8	16.2

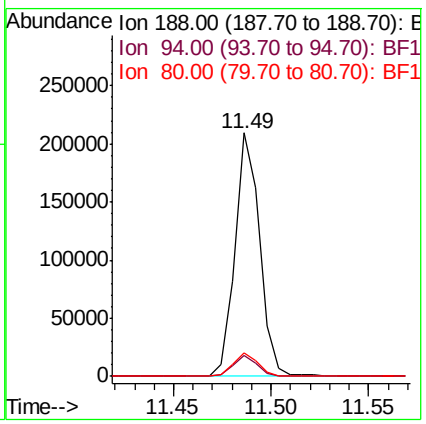




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.49 min Scan# 1598
Delta R.T. -0.01 min
Lab File: BF110381.D
Acq: 1 Nov 2018 21:28

Tgt Ion:188 Resp: 183540

Ion	Ratio	Lower	Upper
188	100		
94	8.5	7.2	10.8
80	9.8	7.9	11.9



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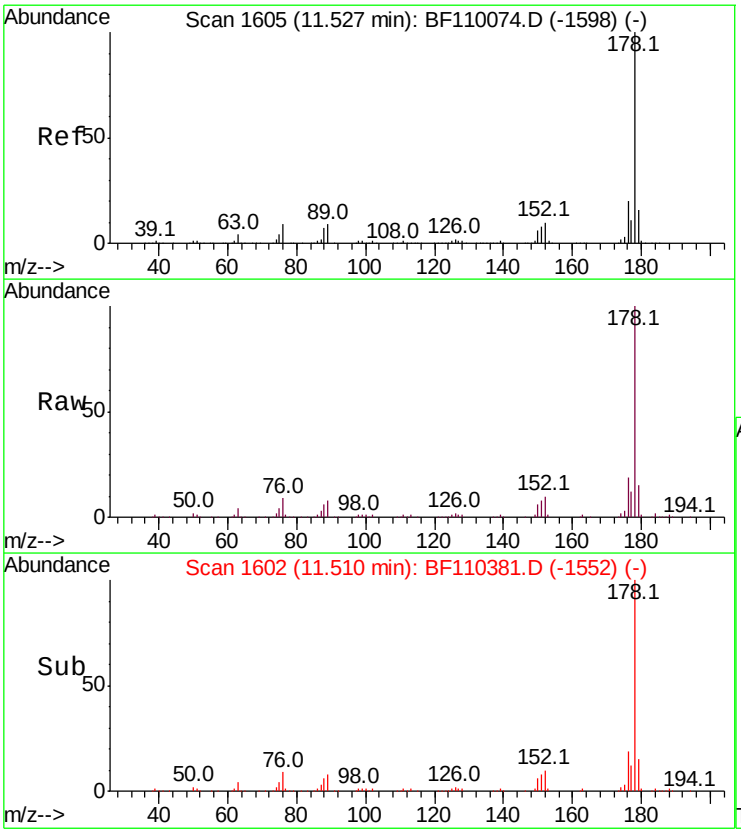
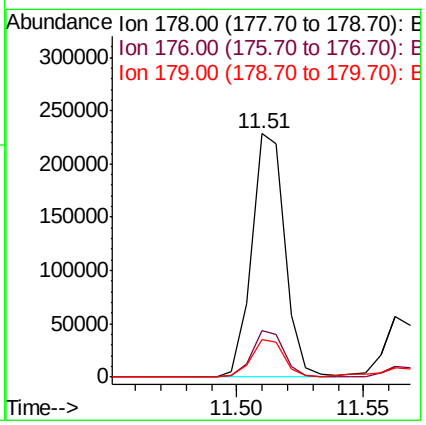
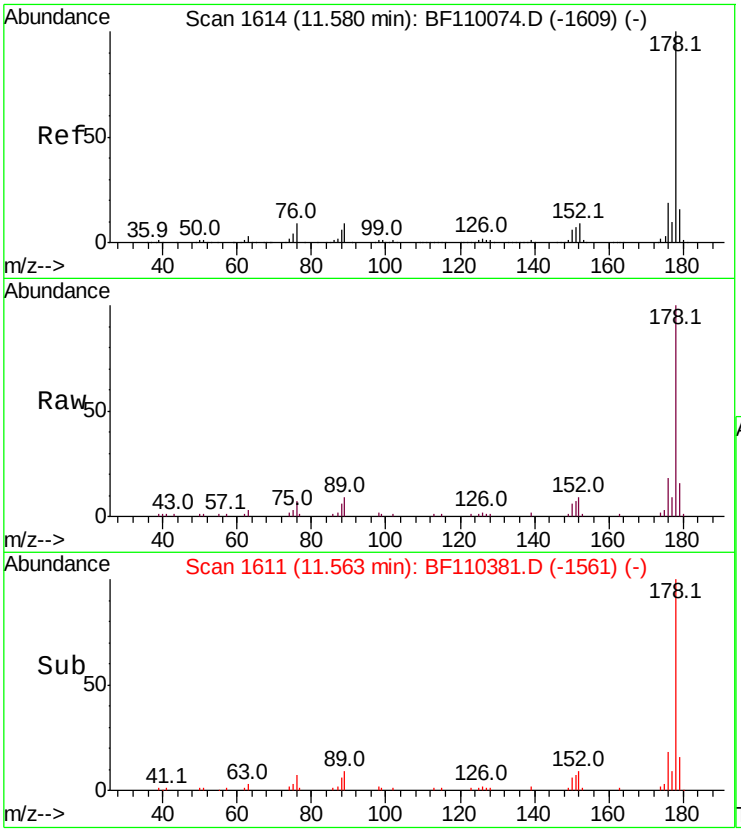


#71
Phenanthrene
Concen: 21.836 ng
RT: 11.51 min Scan# 1602
Delta R.T. -0.01 min
Lab File: BF110381.D
Acq: 1 Nov 2018 21:28

Tgt Ion:178 Resp: 209708

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

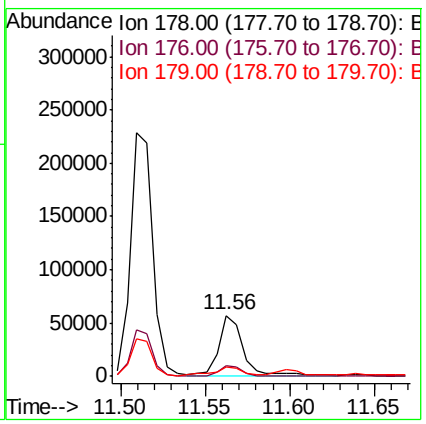




#72
Anthracene
Concen: 5.862 ng
RT: 11.56 min Scan# 1611
Delta R.T. -0.01 min
Lab File: BF110381.D
Acq: 1 Nov 2018 21:28

Tgt Ion:178 Resp: 56430

Ion	Ratio	Lower	Upper
178	100		
176	18.4	15.4	23.2
179	15.7	12.6	18.8



Instrument :
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ClientSampleId :
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Sohil
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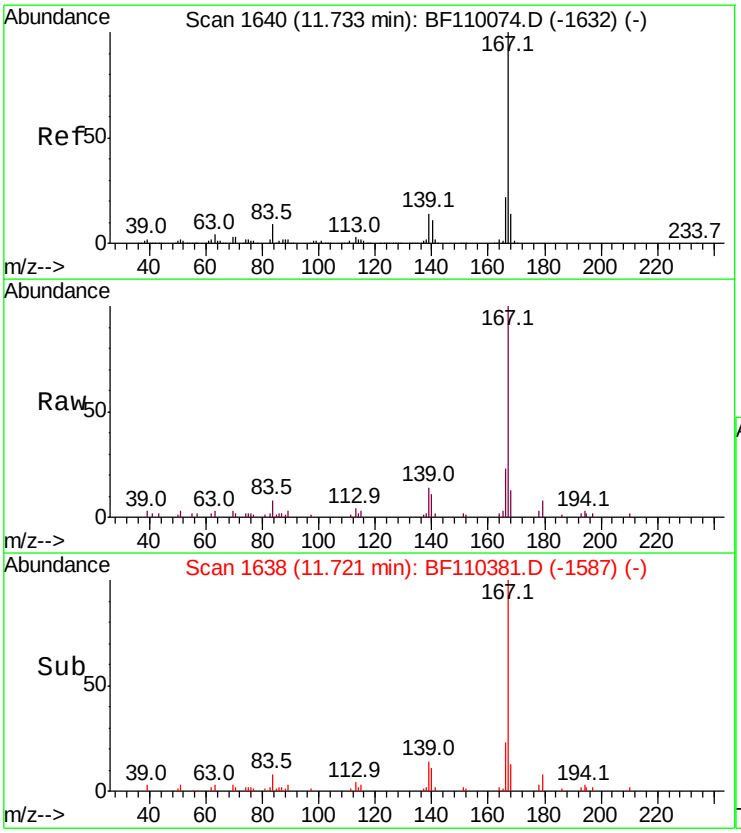
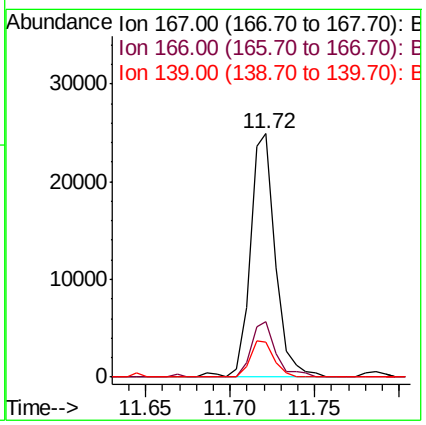
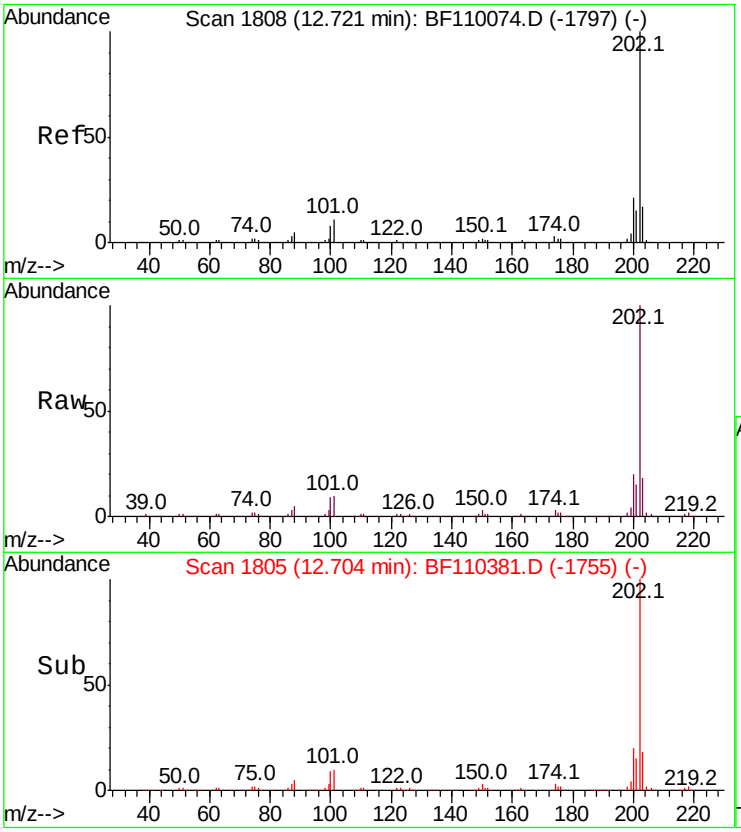


#73
Carbazole
Concen: 2.754 ng
RT: 11.72 min Scan# 1638
Delta R.T. 0.00 min
Lab File: BF110381.D
Acq: 1 Nov 2018 21:28

Tgt Ion:167 Resp: 25886

Ion	Ratio	Lower	Upper
167	100		
166	22.9	17.4	26.0
139	14.2	10.9	16.3

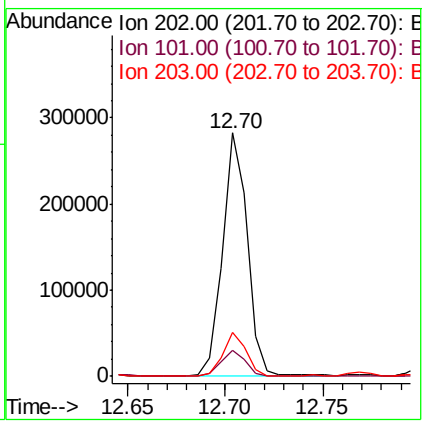




#75
Fluoranthene
Concen: 25.409 ng
RT: 12.70 min Scan# 1805
Delta R.T. -0.01 min
Lab File: BF110381.D
Acq: 1 Nov 2018 21:28

Tgt Ion:202 Resp: 247652

Ion	Ratio	Lower	Upper
202	100		
101	10.5	0.0	31.4
203	18.0	0.0	37.7



Instrument :
BNA_F
ClientSampleId :
OR-03-103118-B

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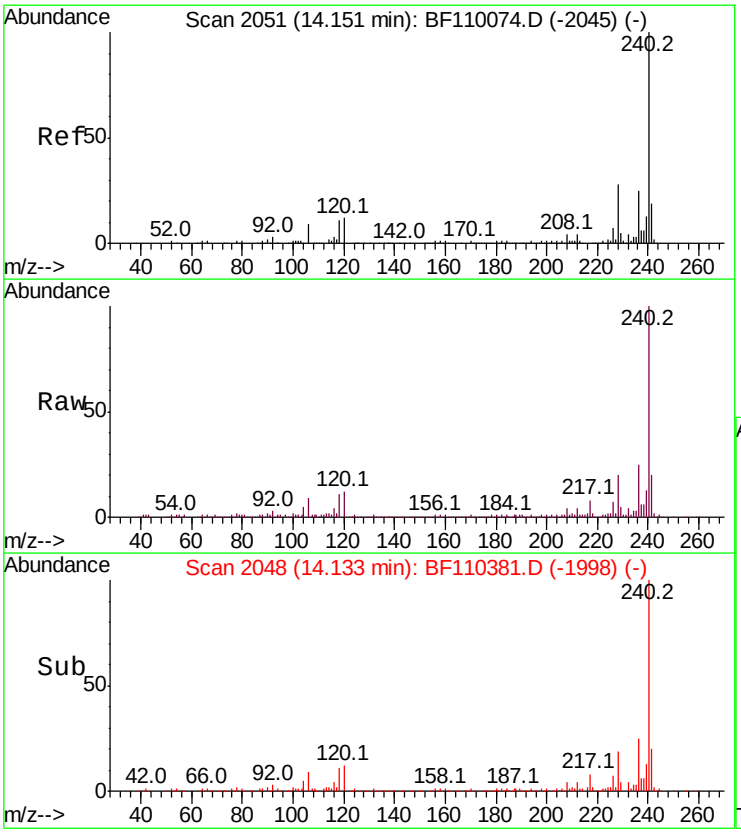
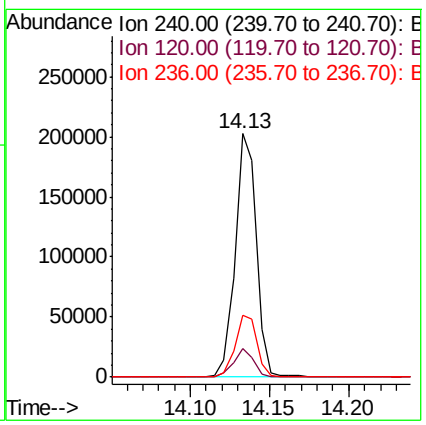
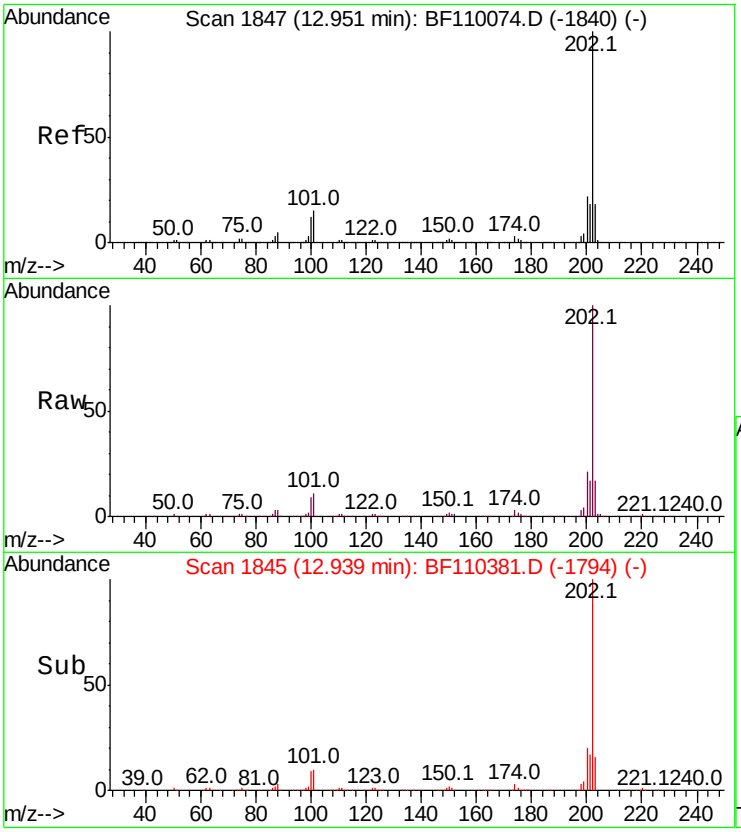


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.13 min Scan# 2048
Delta R.T. -0.01 min
Lab File: BF110381.D
Acq: 1 Nov 2018 21:28

Tgt Ion:240 Resp: 186497

Ion	Ratio	Lower	Upper
240	100		
120	11.8	8.3	12.5
236	25.2	21.2	31.8

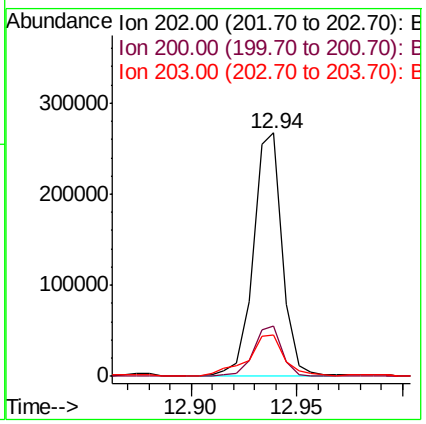




#78
Pyrene
Concen: 19.046 ng
RT: 12.94 min Scan# 1845
Delta R.T. 0.00 min
Lab File: BF110381.D
Acq: 1 Nov 2018 21:28

Tgt Ion:202 Resp: 254654

Ion	Ratio	Lower	Upper
202	100		
200	20.5	17.8	26.6
203	17.1	14.2	21.4



Instrument :
BNA_F
ClientSampleId :
OR-03-103118-B

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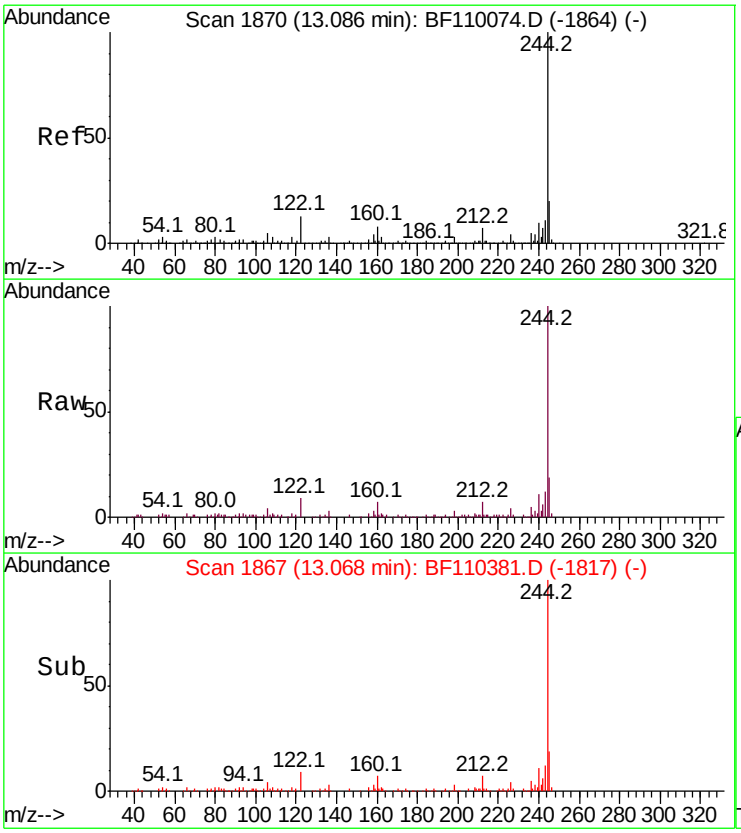
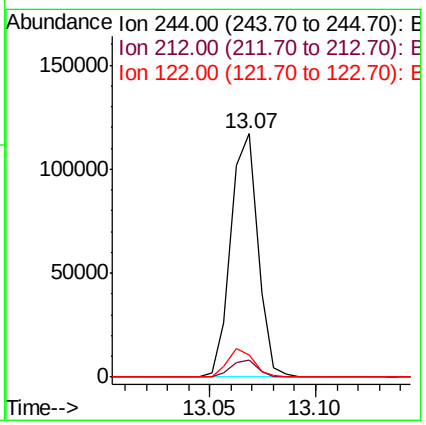
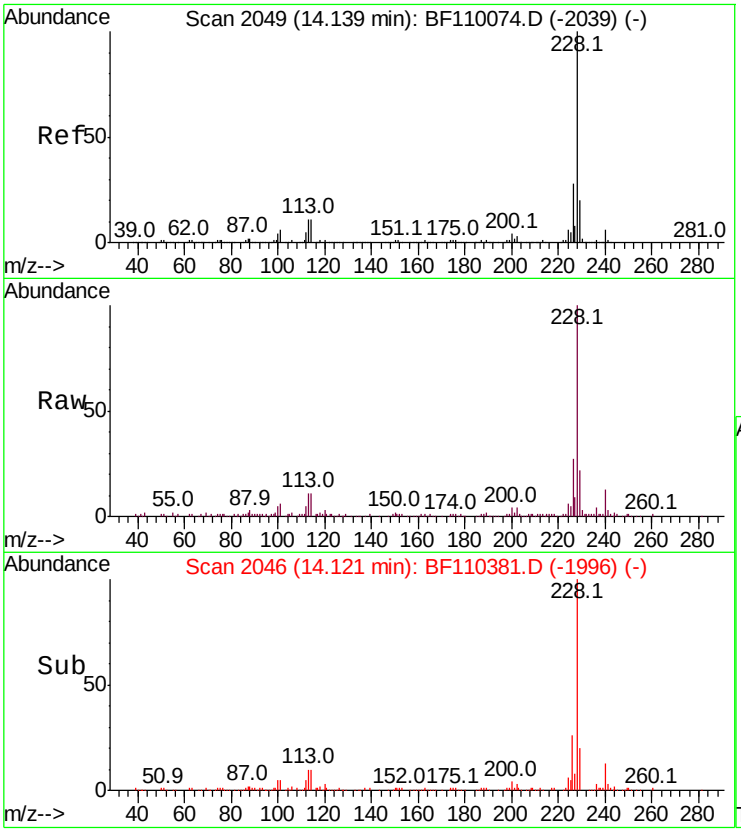


#79
Terphenyl-d14
Concen: 11.537 ng
RT: 13.07 min Scan# 1867
Delta R.T. -0.01 min
Lab File: BF110381.D
Acq: 1 Nov 2018 21:28

Tgt Ion:244 Resp: 103458

Ion	Ratio	Lower	Upper
244	100		
212	6.8	5.8	8.8
122	9.3	8.7	13.1

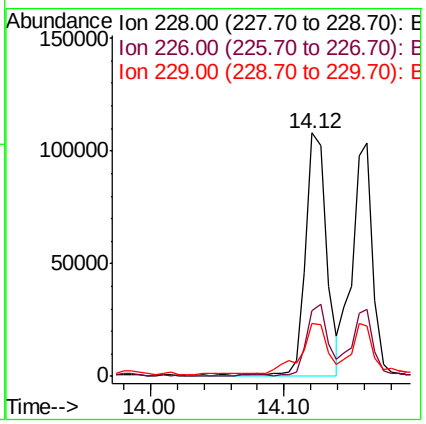




#81
Benzo(a)anthracene
Concen: 10.628 ng
RT: 14.12 min Scan# 2046
Delta R.T. -0.01 min
Lab File: BF110381.D
Acq: 1 Nov 2018 21:28

Tgt Ion:228 Resp: 117546

Ion	Ratio	Lower	Upper
228	100		
226	27.1	22.1	33.1
229	21.7	15.6	23.4



Instrument :
BNA_F
ClientSampleId :
OR-03-103118-B

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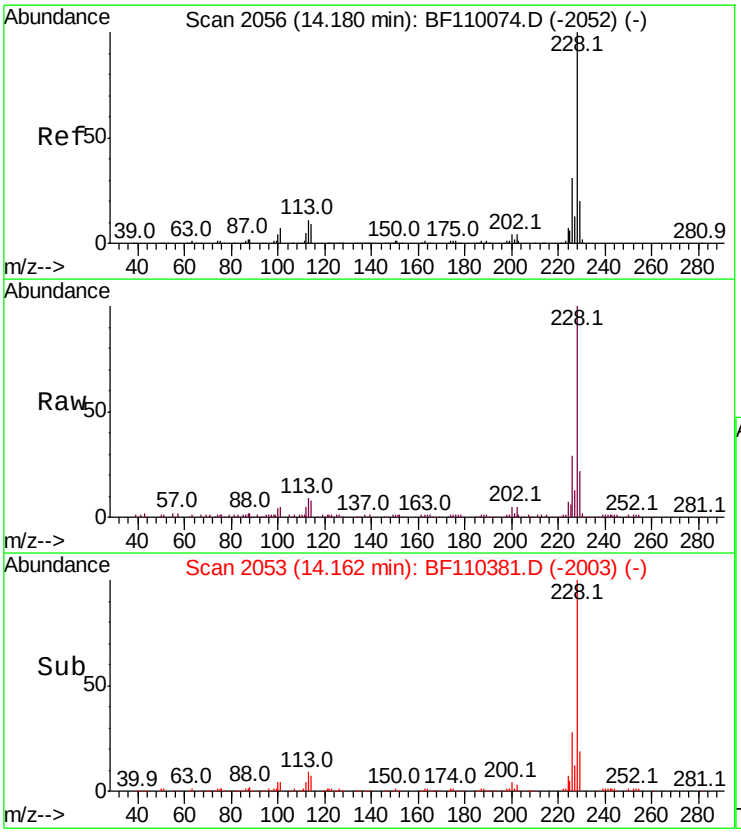
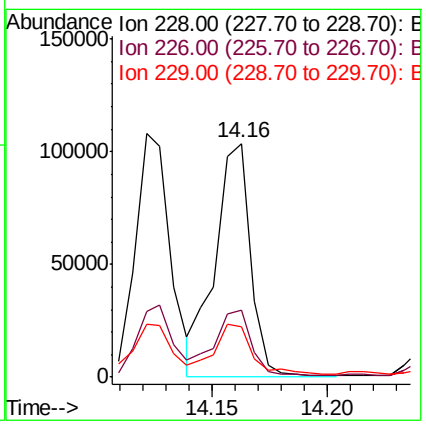
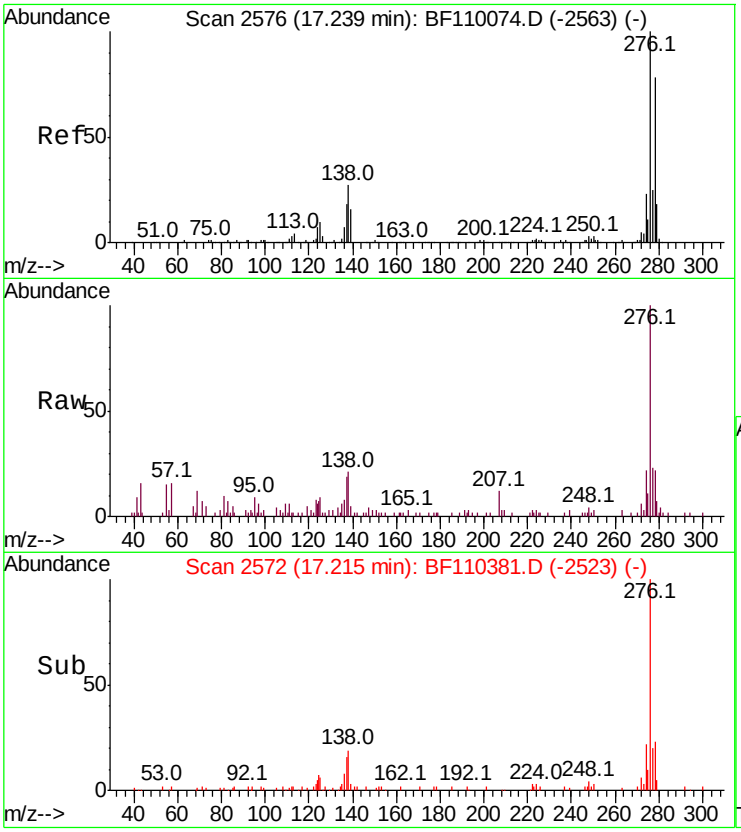


#83
Chrysene
Concen: 10.551 ng
RT: 14.16 min Scan# 2053
Delta R.T. -0.01 min
Lab File: BF110381.D
Acq: 1 Nov 2018 21:28

Tgt Ion:228 Resp: 110838

Ion	Ratio	Lower	Upper
228	100		
226	28.8	24.7	37.1
229	21.6	15.9	23.9

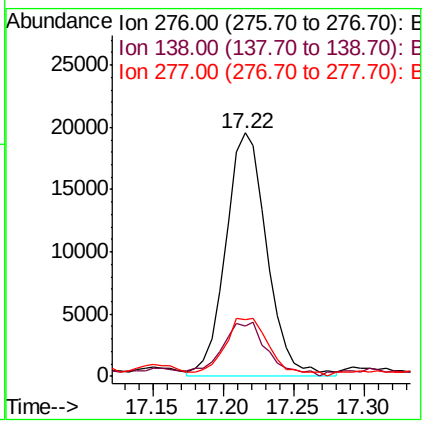




#86
Indeno(1,2,3-cd)pyrene
Concen: 4.578 ng
RT: 17.22 min Scan# 2572
Delta R.T. -0.01 min
Lab File: BF110381.D
Acq: 1 Nov 2018 21:28

Tgt Ion:276 Resp: 39895

Ion	Ratio	Lower	Upper
276	100		
138	24.4	18.5	27.7
277	26.2	20.0	30.0



Instrument :
BNA_F
ClientSampleId :
OR-03-103118-B

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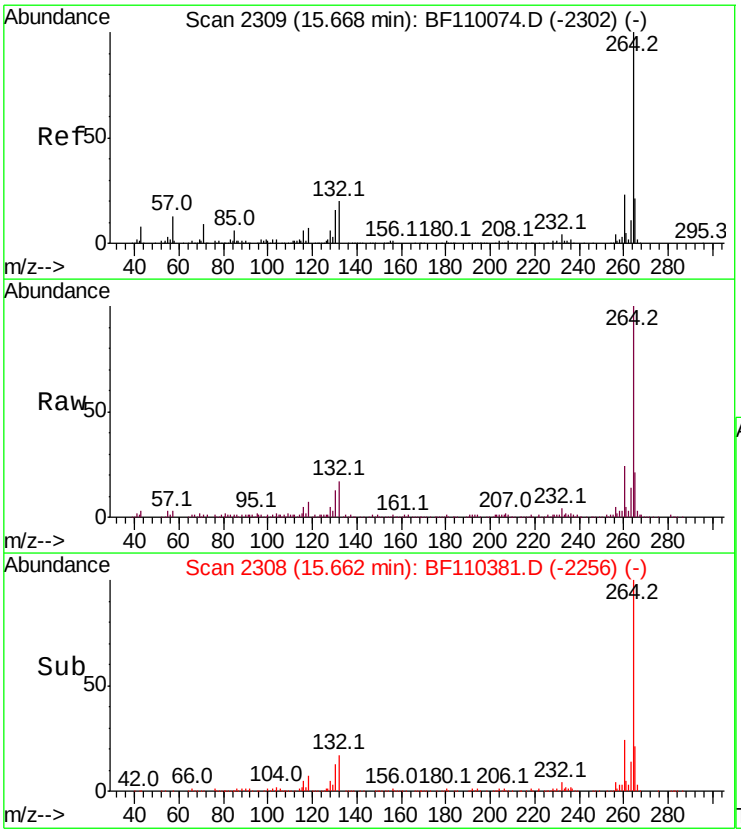
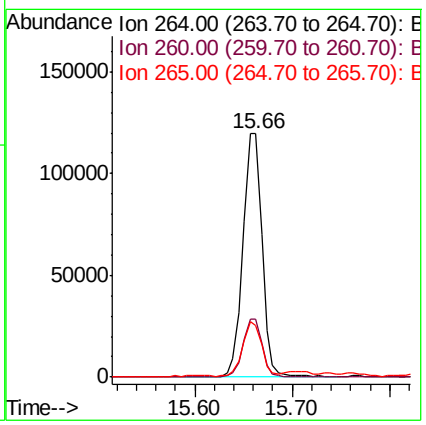
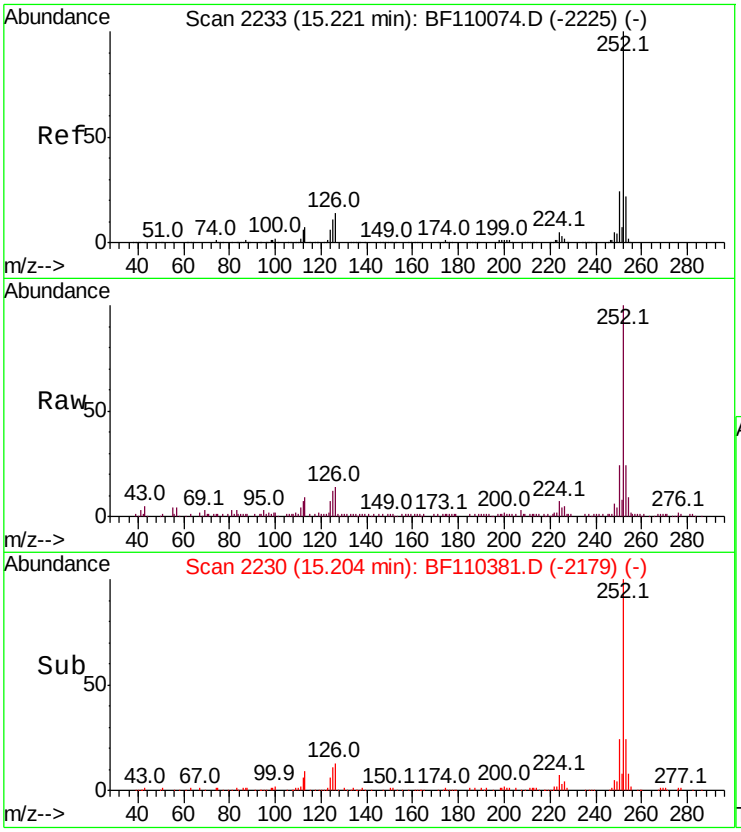


#87
Perylene-d12
Concen: 20.000 ng
RT: 15.66 min Scan# 2308
Delta R.T. 0.01 min
Lab File: BF110381.D
Acq: 1 Nov 2018 21:28

Tgt Ion:264 Resp: 164981

Ion	Ratio	Lower	Upper
264	100		
260	24.0	18.7	28.1
265	21.4	16.7	25.1

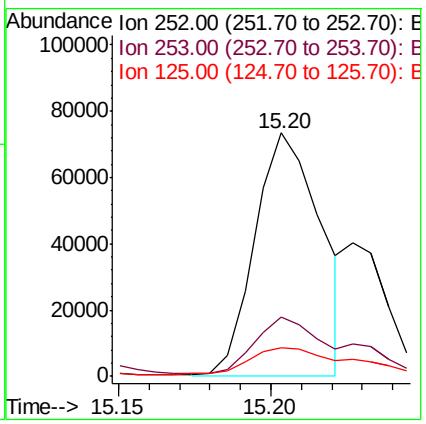




#88
Benzo(b)fluoranthene
Concen: 11.616 ng m
RT: 15.20 min Scan# 2230
Delta R.T. 0.00 min
Lab File: BF110381.D
Acq: 1 Nov 2018 21:28

Tgt Ion:252 Resp: 110669

Ion	Ratio	Lower	Upper
252	100		
253	24.3	17.2	25.8
125	11.6	8.2	12.4



Instrument :
BNA_F
ClientSampleId :
OR-03-103118-B

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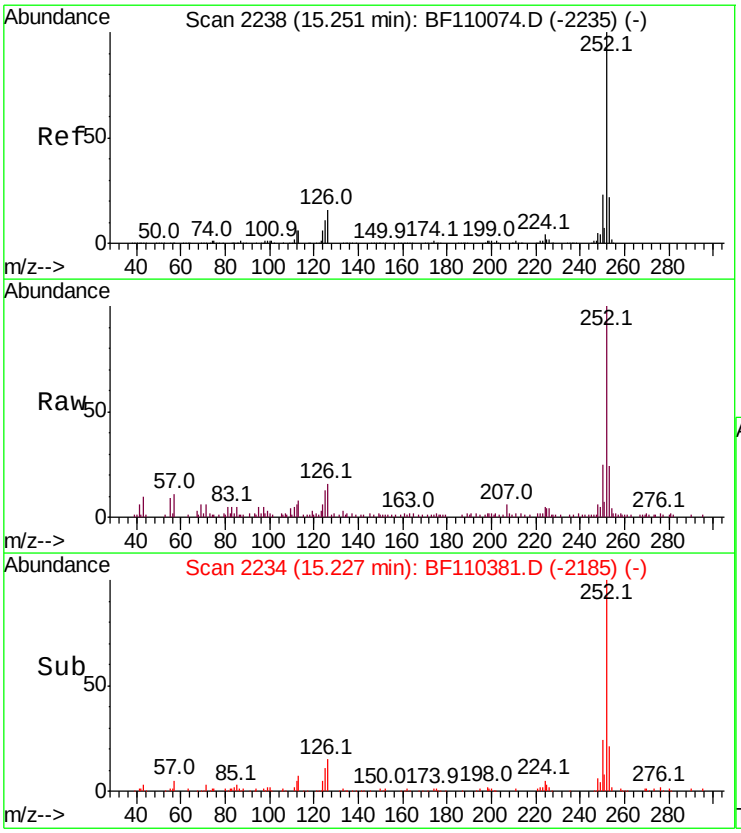
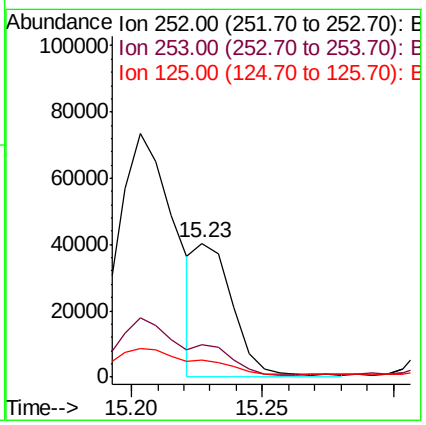
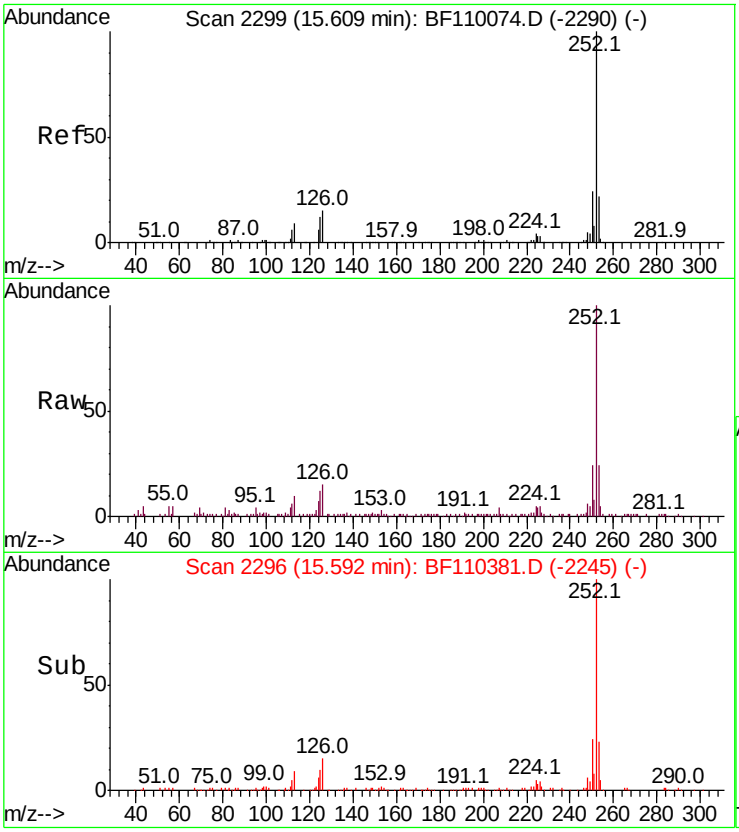


#89
Benzo(k)fluoranthene
Concen: 4.202 ng m
RT: 15.23 min Scan# 2234
Delta R.T. -0.01 min
Lab File: BF110381.D
Acq: 1 Nov 2018 21:28

Tgt Ion:252 Resp: 39358

Ion	Ratio	Lower	Upper
252	100		
253	23.9	17.2	25.8
125	13.0	7.4	11.0#

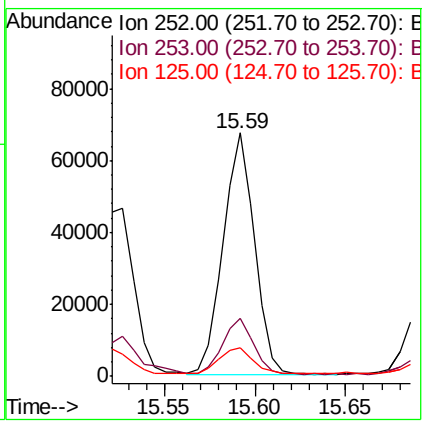




#90
Benzo(a)pyrene
Concen: 9.277 ng
RT: 15.59 min Scan# 2296
Delta R.T. 0.00 min
Lab File: BF110381.D
Acq: 1 Nov 2018 21:28

Tgt Ion:252 Resp: 81326

Ion	Ratio	Lower	Upper
252	100		
253	24.0	18.2	27.4
125	11.7	9.0	13.6



Instrument :
BNA_F
ClientSampleId :
OR-03-103118-B

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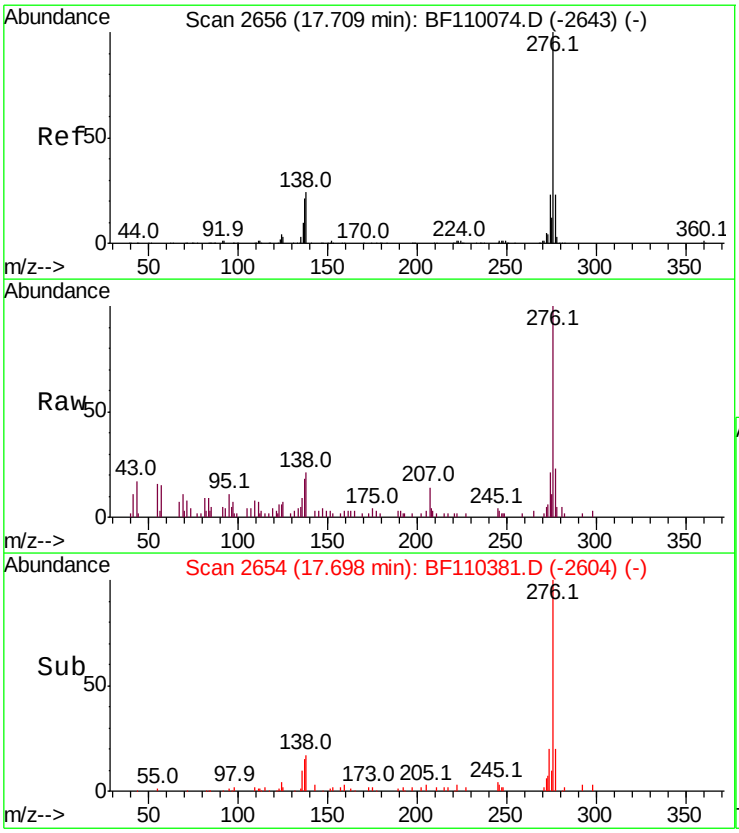

#92
Benzo(g,h,i)perylene
Concen: 4.940 ng
RT: 17.70 min Scan# 2654
Delta R.T. -0.01 min
Lab File: BF110381.D
Acq: 1 Nov 2018 21:28

Tgt Ion:276 Resp: 36822

Ion	Ratio	Lower	Upper
276	100		
277	23.0	18.8	28.2
138	20.5	16.0	24.0