

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF020119\
 Data File : BF112354.D
 Acq On : 1 Feb 2019 16:30
 Operator : JU/SJ
 Sample : K1299-05
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 0038-AMND-COMP-1

Quant Time: Feb 01 23:19:43 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF012519.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jan 28 10:38:18 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.84	152	159647	20.00	ng	0.00
21) Naphthalene-d8	8.12	136	612586	20.00	ng	-0.01
39) Acenaphthene-d10	9.87	164	298325	20.00	ng	-0.01
64) Phenanthrene-d10	11.36	188	534295	20.00	ng	-0.01
76) Chrysene-d12	14.00	240	310433	20.00	ng	-0.01
87) Perylene-d12	15.47	264	349533	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.47	112	795766	105.87	ng	0.00
7) Phenol-d6	6.49	99	1166769	111.72	ng	0.00
23) Nitrobenzene-d5	7.40	82	753482	70.87	ng	-0.01
42) 2,4,6-Tribromophenol	10.66	330	283536	81.65	ng	-0.02
45) 2-Fluorobiphenyl	9.19	172	1313934	62.29	ng	-0.01
79) Terphenyl-d14	12.94	244	1158691	70.30	ng	-0.01

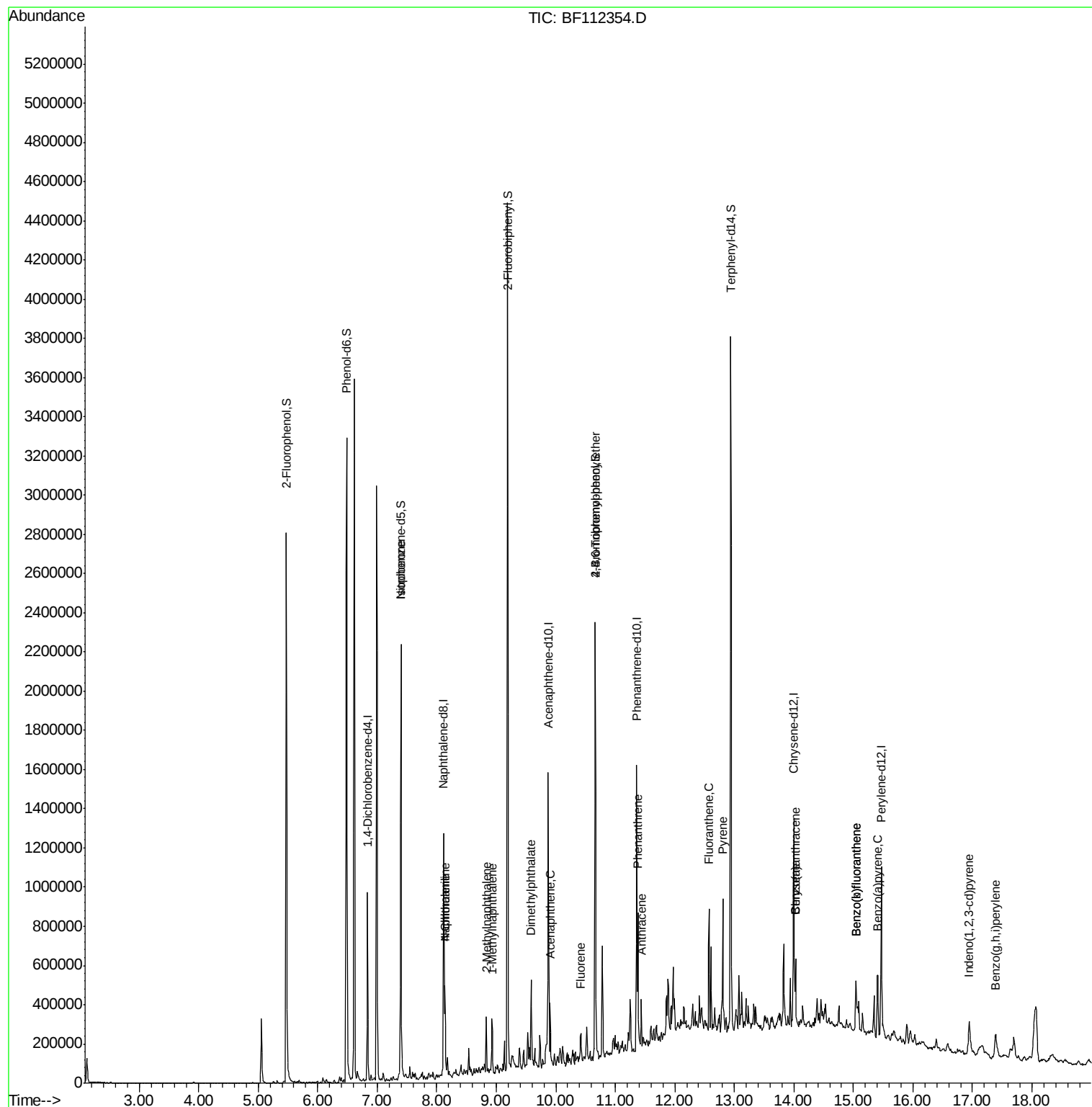
Target Compounds				Qvalue		
25) Isophorone	7.40	82	748894	44.901	ng	# 64
31) Naphthalene	8.14	128	194496	6.789	ng	98
33) 4-Chloroaniline	8.14	127	25796	2.068	ng	# 36
37) 2-Methylnaphthalene	8.83	142	87012	4.437	ng	99
38) 1-Methylnaphthalene	8.93	142	73946	3.934	ng	94
50) Dimethylphthalate	9.59	163	144579	6.238	ng	98
52) Acenaphthene	9.90	154	58538	3.306	ng	99
58) Fluorene	10.42	166	41106	2.030	ng	95
67) 4-Bromophenyl-phenylether	10.66	248	16896	2.689	ng	# 1
71) Phenanthrene	11.38	178	253236	9.117	ng	98
72) Anthracene	11.43	178	91679	3.313	ng	98
75) Fluoranthene	12.57	202	222281	7.461	ng	98
78) Pyrene	12.80	202	270131	12.569	ng	98
81) Benzo(a)anthracene	14.03	228	132569	7.265	ng	96
83) Chrysene	14.03	228	132569	7.610	ng	97
86) Indeno(1,2,3-cd)pyrene	16.94	276	83725	6.066	ng	95
88) Benzo(b)fluoranthene	15.04	252	192159	9.193	ng	# 97
89) Benzo(k)fluoranthene	15.04	252	192494	9.614	ng	# 97
90) Benzo(a)pyrene	15.41	252	158873	8.447	ng	99
92) Benzo(g,h,i)perylene	17.39	276	88037	6.156	ng	96

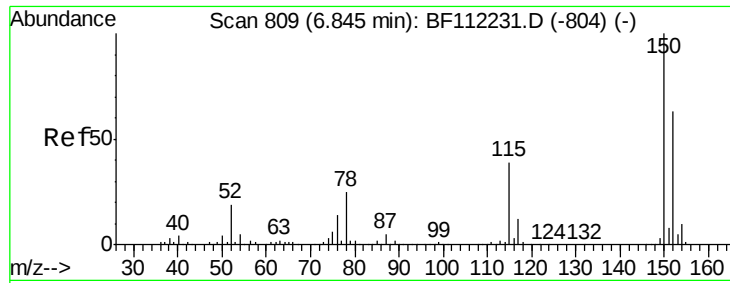
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 6.84 min Scan# 808

Delta R.T. -0.01 min

Lab File: BF112354.D

Acq: 1 Feb 2019 16:30

Instrument :

BNA_F

ClientSampleId :

0038-AMND-COMP-1

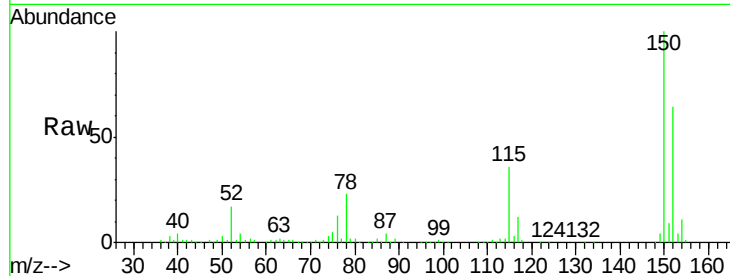
Tgt Ion:152 Resp: 159647

Ion Ratio Lower Upper

152 100

150 156.1 127.4 191.0

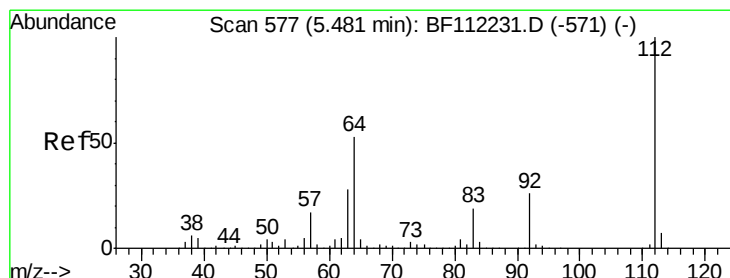
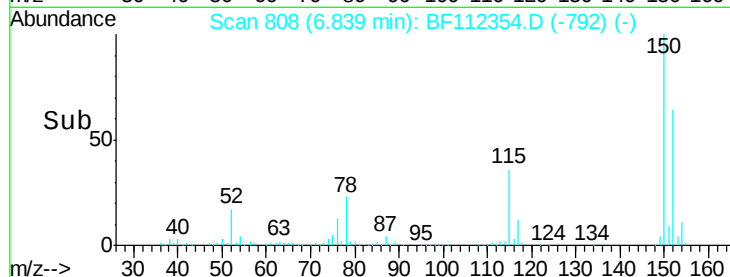
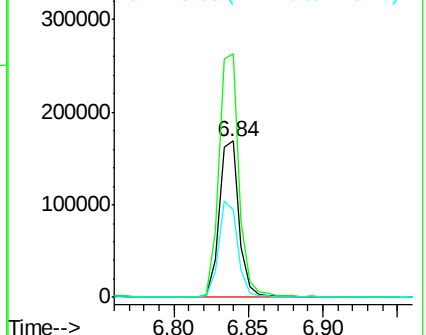
115 56.3 45.5 68.3



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol

Concen: 105.875 ng

RT: 5.47 min Scan# 576

Delta R.T. -0.01 min

Lab File: BF112354.D

Acq: 1 Feb 2019 16:30

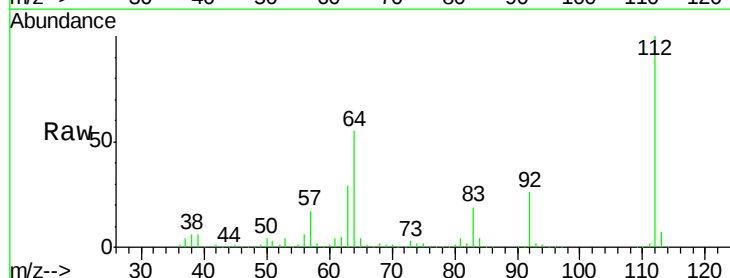
Tgt Ion:112 Resp: 795766

Ion Ratio Lower Upper

112 100

64 54.5 45.7 68.5

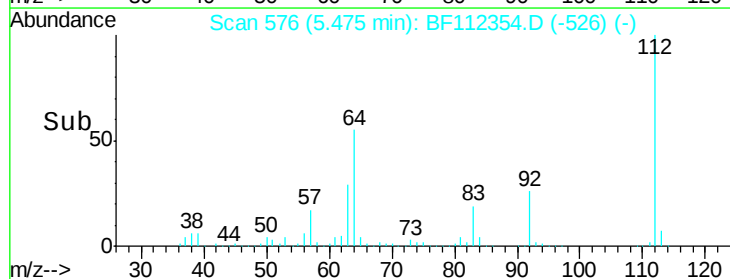
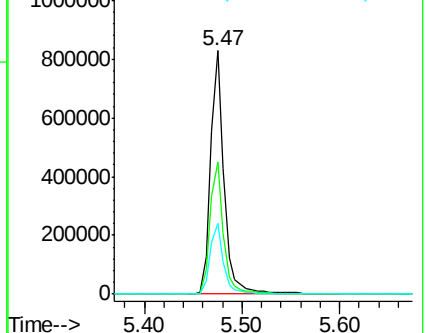
63 29.2 23.6 35.4

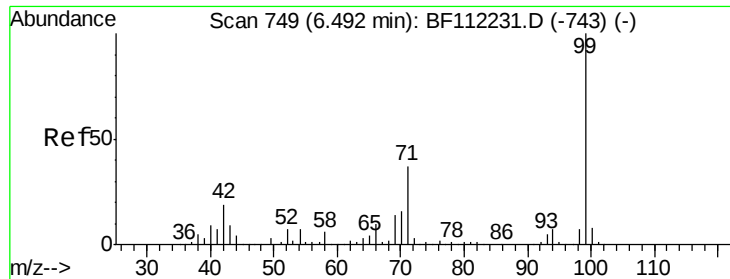


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF1

Ion 63.00 (62.70 to 63.70): BF1





#7

Phenol-d6

Concen: 111.717 ng

RT: 6.49 min Scan# 748

Delta R.T. -0.01 min

Lab File: BF112354.D

Acq: 1 Feb 2019 16:30

Instrument :

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0038-AMND-COMP-1

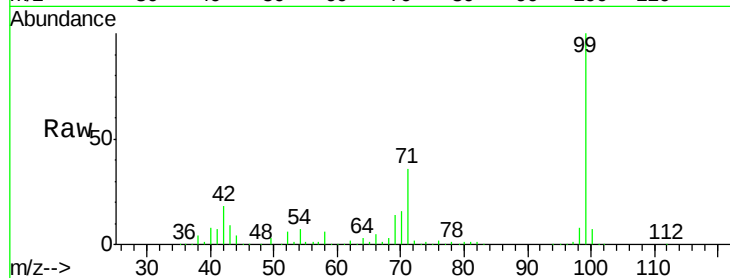
Tgt Ion: 99 Resp: 1166769

Ion Ratio Lower Upper

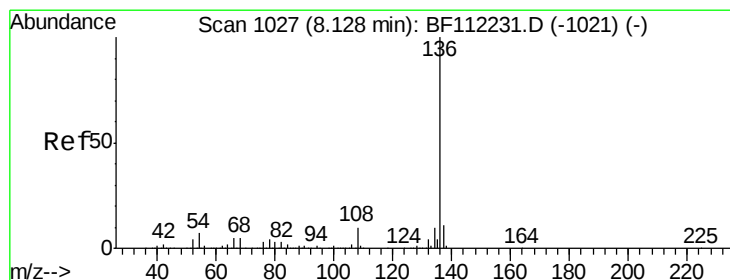
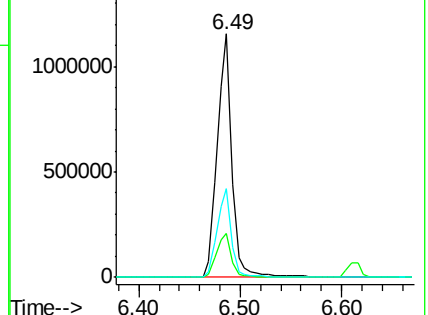
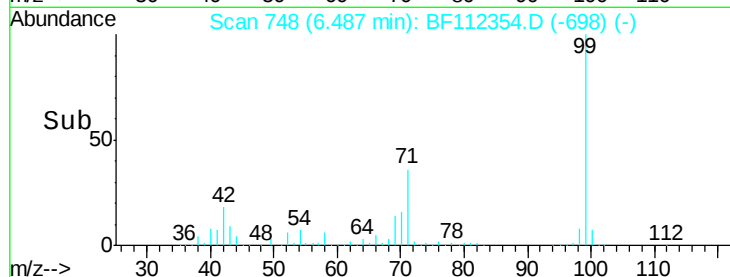
99 100

42 18.2 15.1 22.7

71 36.3 26.9 40.3



Abundance Ion 99.00 (98.70 to 99.70): BF1
Ion 42.00 (41.70 to 42.70): BF1
Ion 71.00 (70.70 to 71.70): BF1



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.12 min Scan# 1025

Delta R.T. -0.01 min

Lab File: BF112354.D

Acq: 1 Feb 2019 16:30

Tgt Ion: 136 Resp: 612586

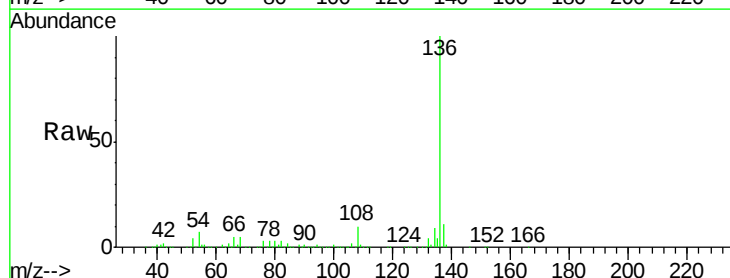
Ion Ratio Lower Upper

136 100

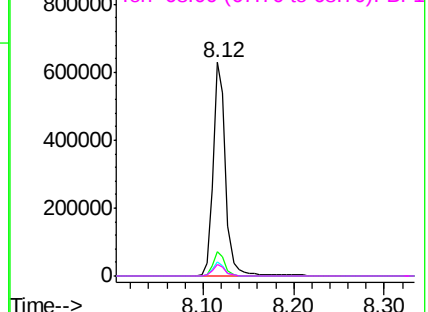
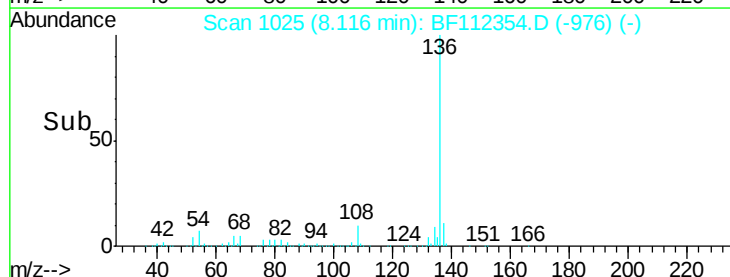
137 11.3 9.1 13.7

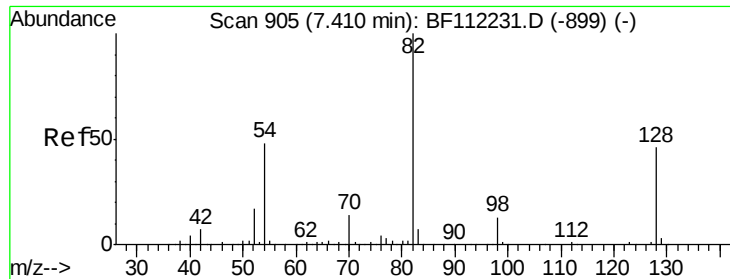
54 6.7 5.9 8.9

68 5.1 5.1 7.7



Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

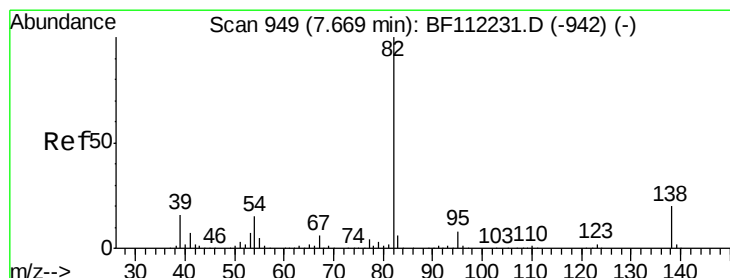
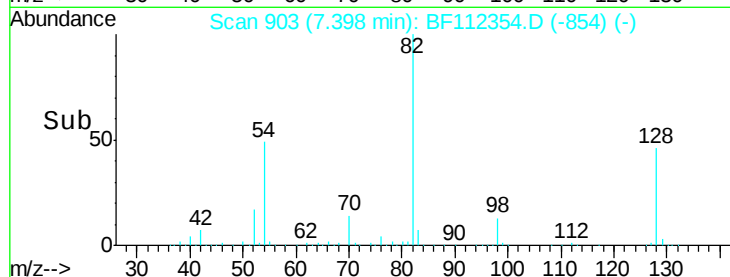
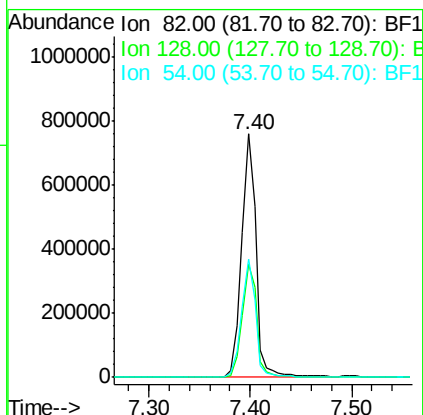
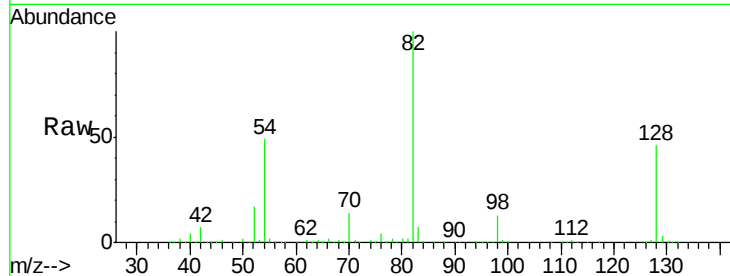




#23
 Nitrobenzene-d5
 Concen: 70.872 ng
 RT: 7.40 min Scan# 903
 Delta R.T. -0.01 min
 Lab File: BF112354.D
 Acq: 1 Feb 2019 16:30

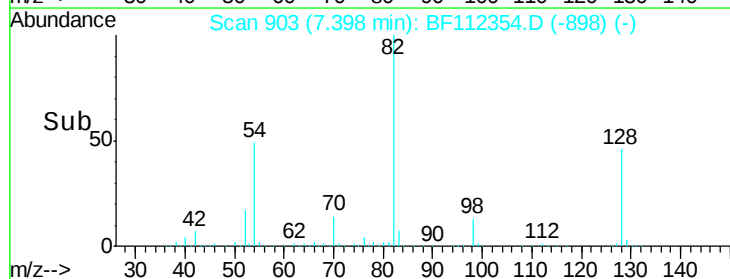
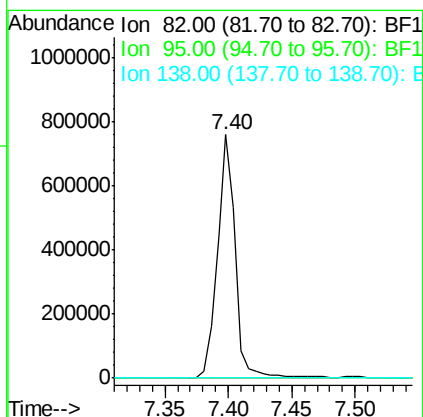
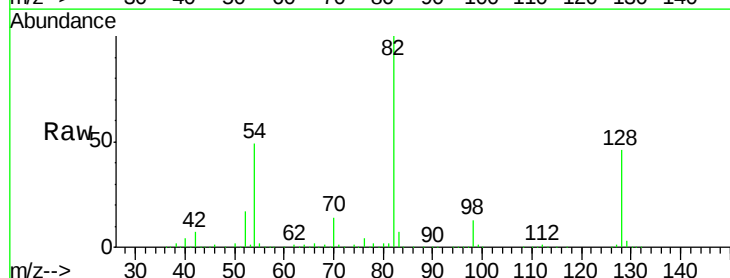
Instrument :
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 0038-AMND-COMP-1

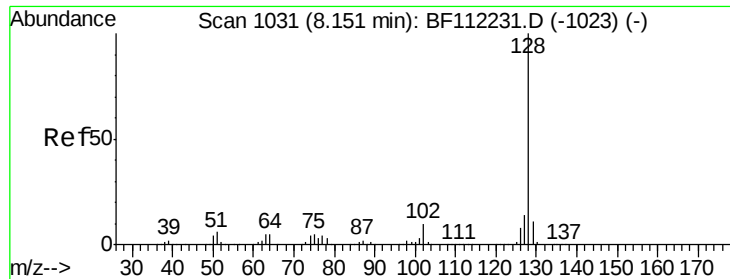
Tgt Ion: 82 Resp: 753482
 Ion Ratio Lower Upper
 82 100
 128 46.3 37.8 56.8
 54 48.6 39.7 59.5



#25
 Isophorone
 Concen: 44.901 ng
 RT: 7.40 min Scan# 903
 Delta R.T. -0.27 min
 Lab File: BF112354.D
 Acq: 1 Feb 2019 16:30

Tgt Ion: 82 Resp: 748894
 Ion Ratio Lower Upper
 82 100
 95 0.1 5.7 8.5#
 138 0.0 15.4 23.0#

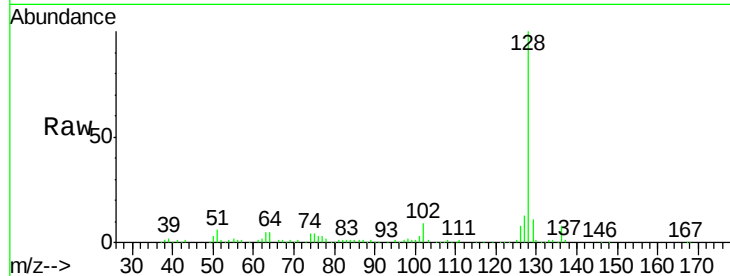




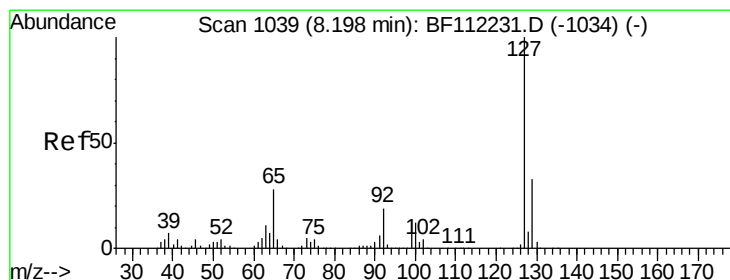
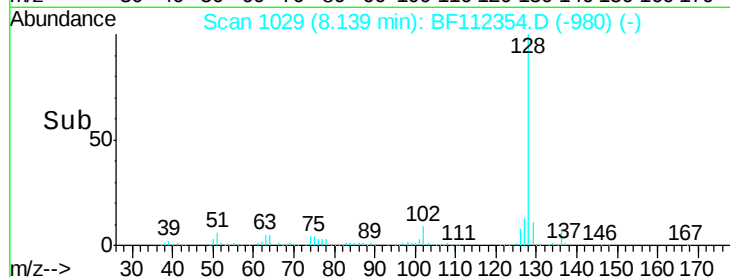
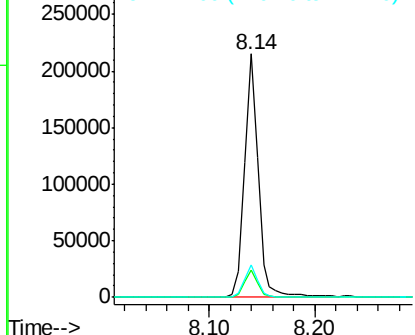
#31
Naphthalene
Concen: 6.789 ng
RT: 8.14 min Scan# 1029
Delta R.T. -0.01 min
Lab File: BF112354.D
Acq: 1 Feb 2019 16:30

Instrument :
BNA_F
ClientSampleId :
0038-AMND-COMP-1

Tgt Ion:128 Resp: 194496
Ion Ratio Lower Upper
128 100
129 11.0 9.6 14.4
127 13.3 11.1 16.7

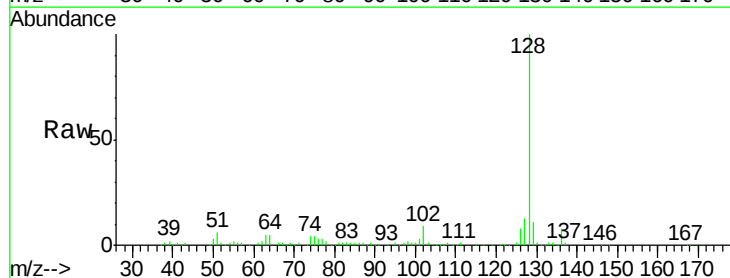


Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E

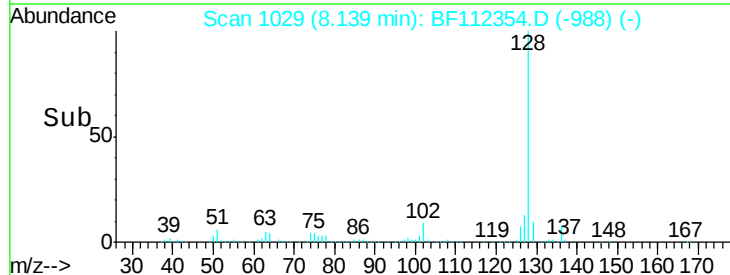
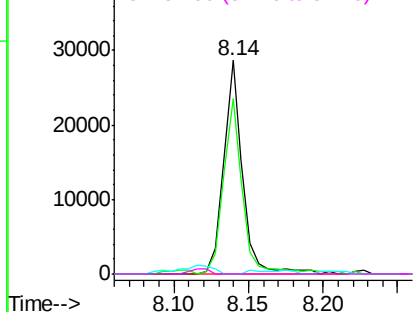


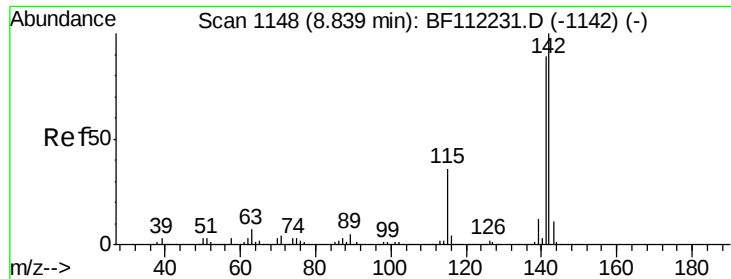
#33
4-Chloroaniline
Concen: 2.068 ng
RT: 8.14 min Scan# 1029
Delta R.T. -0.06 min
Lab File: BF112354.D
Acq: 1 Feb 2019 16:30

Tgt Ion:127 Resp: 25796
Ion Ratio Lower Upper
127 100
129 82.3 26.6 39.8#
65 0.0 21.4 32.2#
92 0.0 14.2 21.2#



Abundance Ion 127.00 (126.70 to 127.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 65.00 (64.70 to 65.70): BF1
Ion 92.00 (91.70 to 92.70): BF1

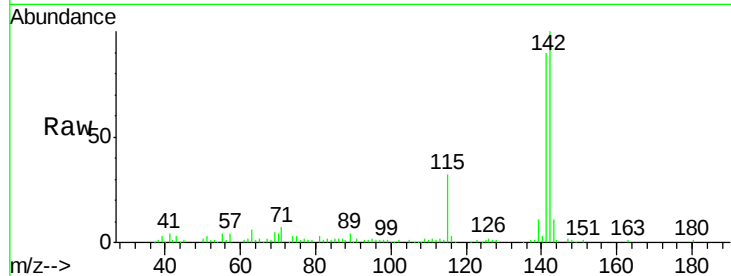




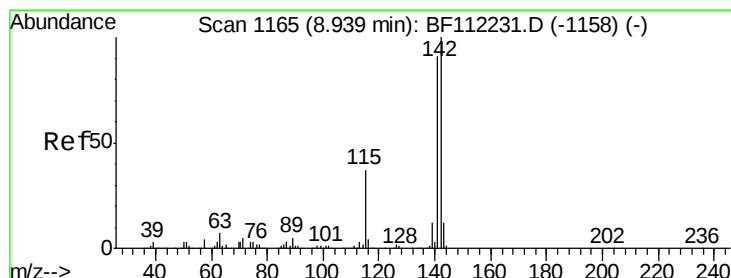
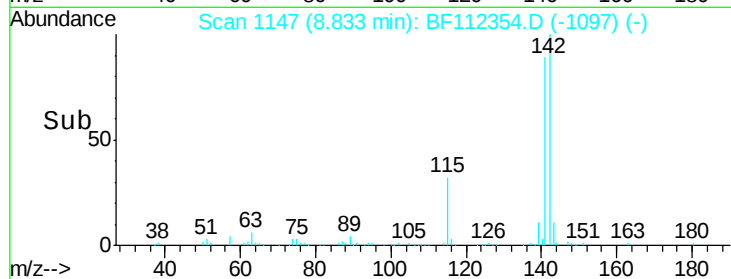
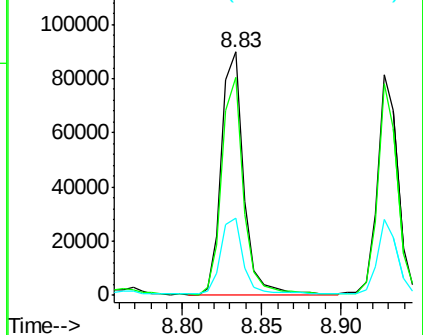
#37
 2-Methylnaphthalene
 Concen: 4.437 ng
 RT: 8.83 min Scan# 1147
 Delta R.T. -0.01 min
 Lab File: BF112354.D
 Acq: 1 Feb 2019 16:30

Instrument :
 BNA_F
 ClientSampleId :
 0038-AMND-COMP-1

Tgt Ion:142 Resp: 87012
 Ion Ratio Lower Upper
 142 100
 141 89.7 70.9 106.3
 115 31.6 24.9 37.3

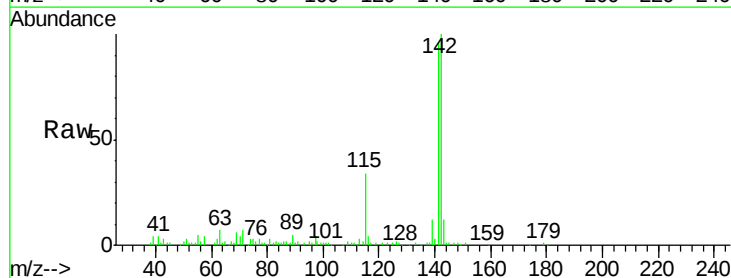


Abundance Ion 142.00 (141.70 to 142.70): E
 Ion 141.00 (140.70 to 141.70): E
 Ion 115.00 (114.70 to 115.70): E

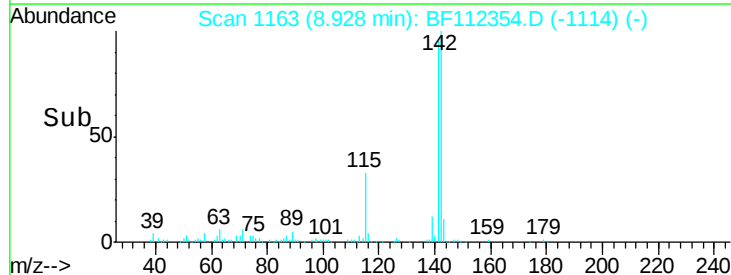
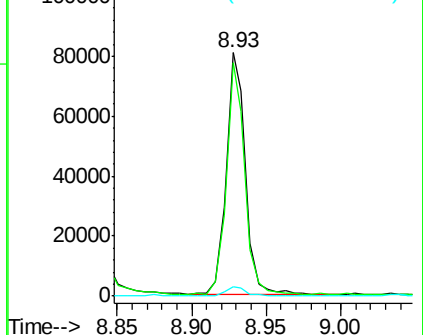


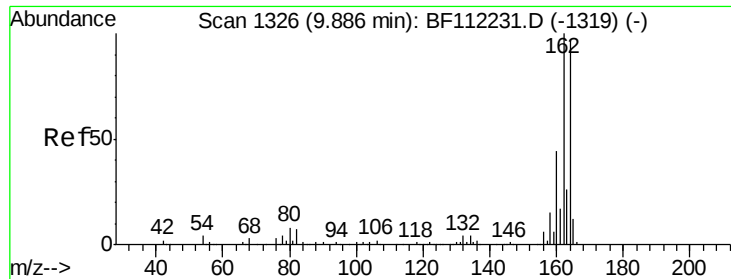
#38
 1-Methylnaphthalene
 Concen: 3.934 ng
 RT: 8.93 min Scan# 1163
 Delta R.T. -0.01 min
 Lab File: BF112354.D
 Acq: 1 Feb 2019 16:30

Tgt Ion:142 Resp: 73946
 Ion Ratio Lower Upper
 142 100
 141 96.1 72.6 108.8
 116 3.9 2.8 4.2



Abundance Ion 142.00 (141.70 to 142.70): E
 Ion 141.00 (140.70 to 141.70): E
 Ion 116.00 (115.70 to 116.70): E

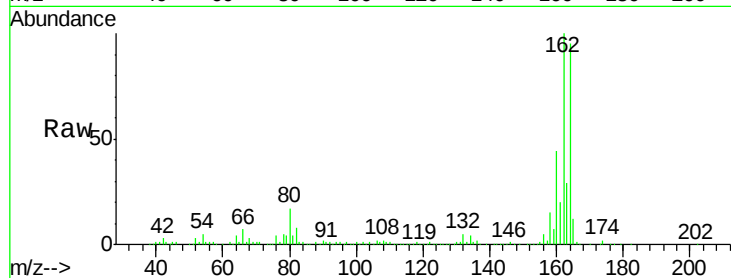




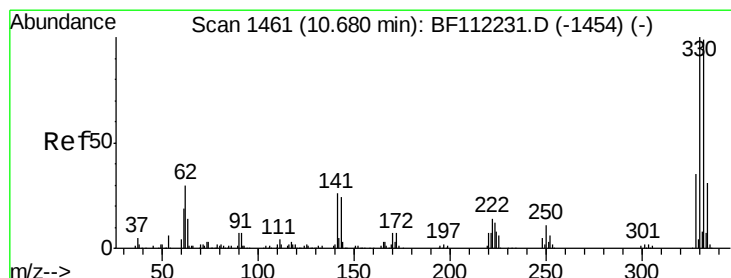
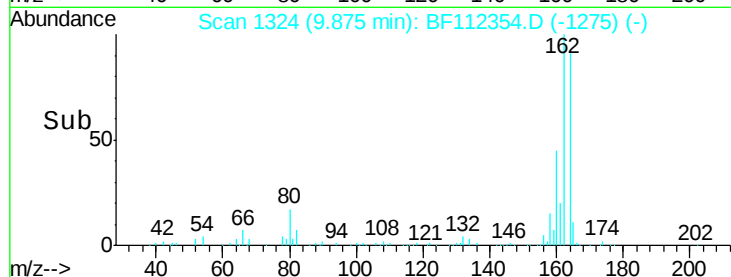
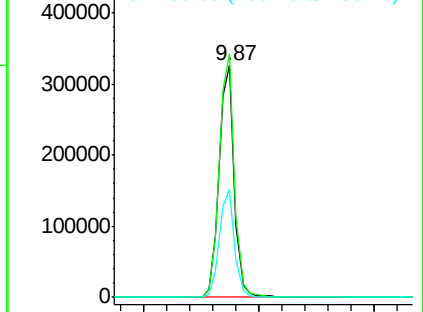
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.87 min Scan# 1324
Delta R.T. -0.01 min
Lab File: BF112354.D
Acq: 1 Feb 2019 16:30

Instrument :
BNA_F
ClientSampleId :
0038-AMND-COMP-1

Tgt Ion:164 Resp: 298325
Ion Ratio Lower Upper
164 100
162 105.1 82.2 123.4
160 46.7 36.2 54.4

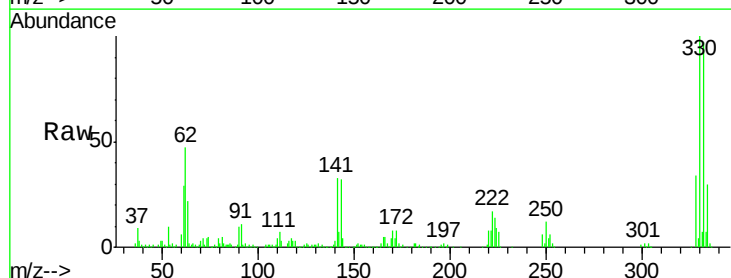


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

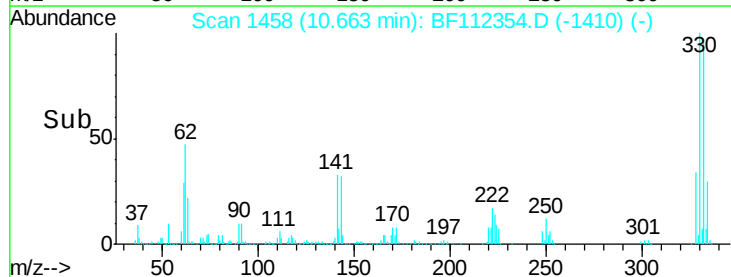
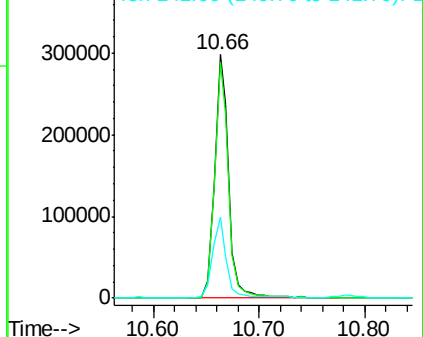


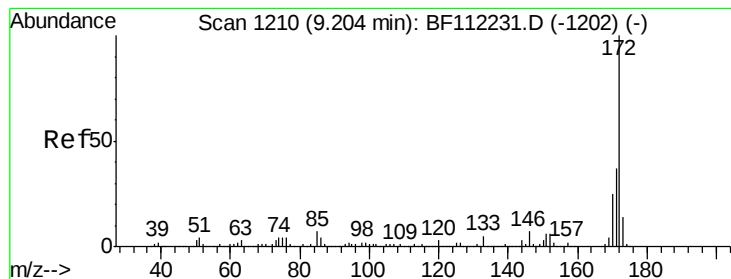
#42
2,4,6-Tribromophenol
Concen: 81.654 ng
RT: 10.66 min Scan# 1458
Delta R.T. -0.02 min
Lab File: BF112354.D
Acq: 1 Feb 2019 16:30

Tgt Ion:330 Resp: 283536
Ion Ratio Lower Upper
330 100
332 96.3 76.6 114.8
141 31.9 24.3 36.5



Abundance Ion 329.80 (329.50 to 330.50): E
Ion 331.80 (331.50 to 332.50): E
Ion 141.00 (140.70 to 141.70): E





#45

2-Fluorobiphenyl

Concen: 62.293 ng

RT: 9.19 min Scan# 1208

Delta R.T. -0.01 min

Lab File: BF112354.D

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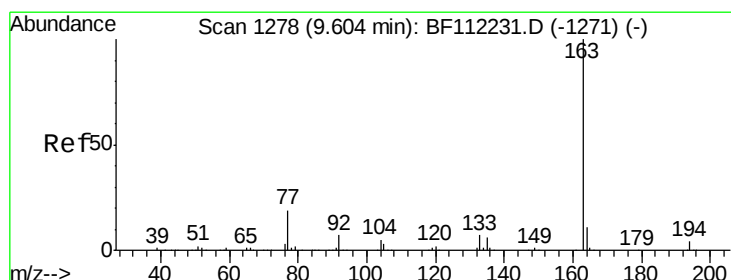
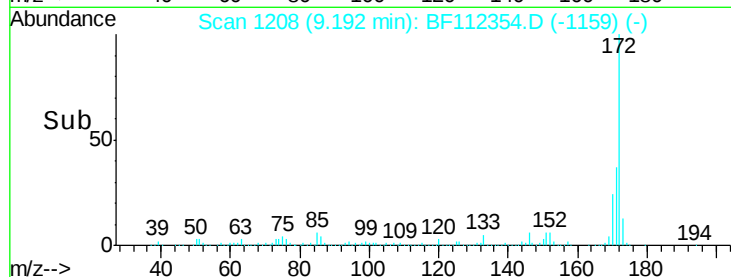
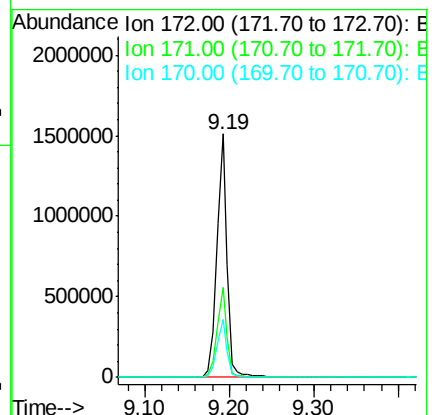
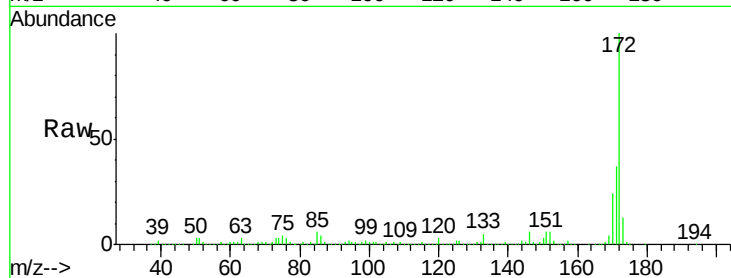
Tgt Ion:172 Resp: 1313934

Ion Ratio Lower Upper

172 100

171 37.0 30.5 45.7

170 24.0 20.2 30.4



#50

Dimethylphthalate

Concen: 6.238 ng

RT: 9.59 min Scan# 1275

Delta R.T. -0.02 min

Lab File: BF112354.D

Acq: 1 Feb 2019 16:30

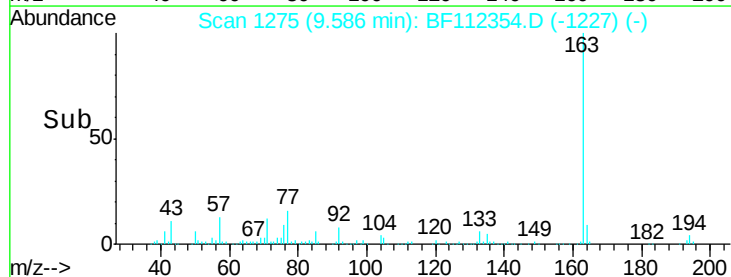
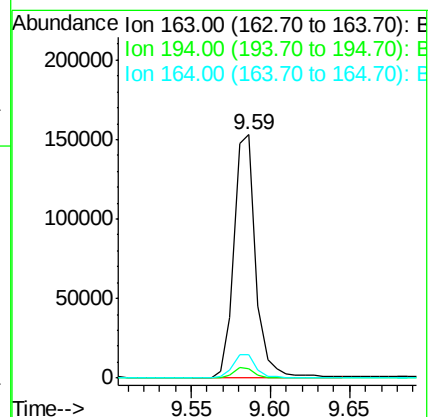
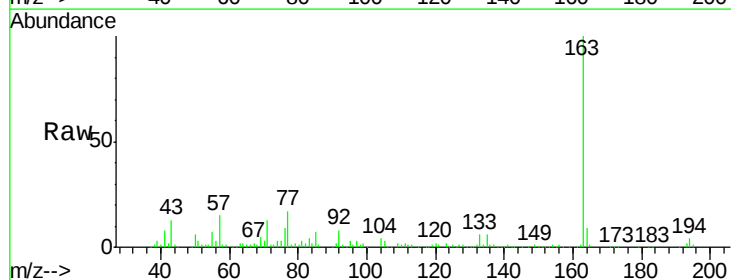
Tgt Ion:163 Resp: 144579

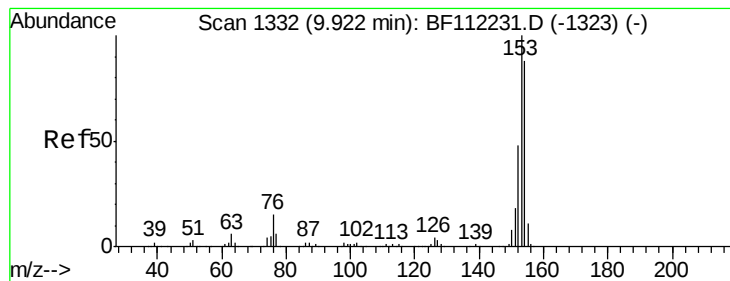
Ion Ratio Lower Upper

163 100

194 4.0 3.3 4.9

164 9.4 8.5 12.7





#52

Acenaphthene

Concen: 3.306 ng

RT: 9.90 min Scan# 1329

Delta R.T. -0.02 min

Lab File: BF112354.D

Acq: 1 Feb 2019 16:30

Instrument :

BNA_F

ClientSampleId :

0038-AMND-COMP-1

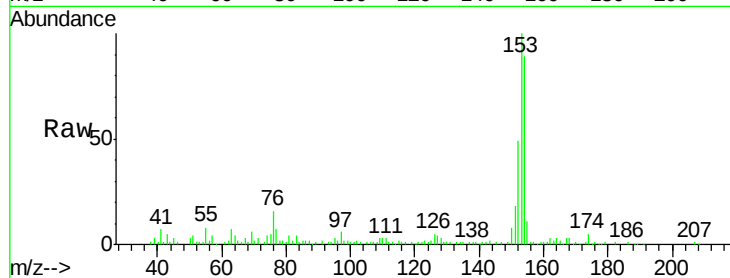
Tgt Ion:154 Resp: 58538

Ion Ratio Lower Upper

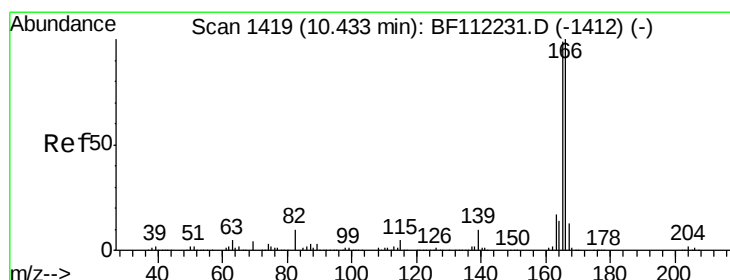
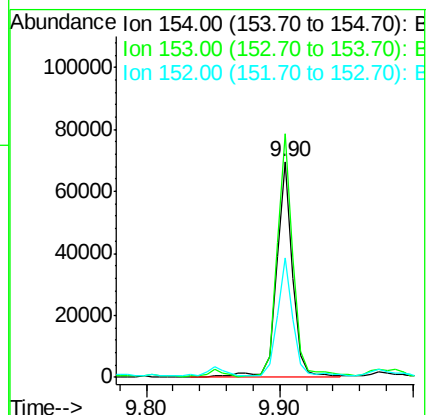
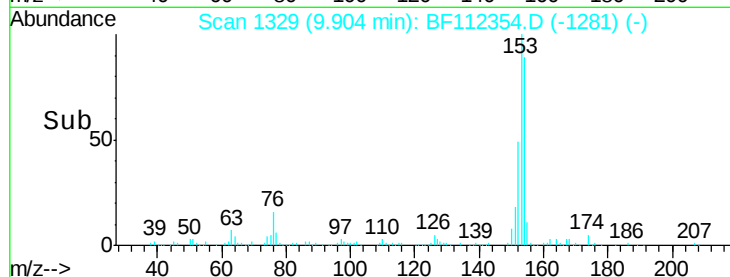
154 100

153 112.9 89.8 134.6

152 55.7 43.5 65.3



Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E



#58

Fluorene

Concen: 2.030 ng

RT: 10.42 min Scan# 1417

Delta R.T. -0.01 min

Lab File: BF112354.D

Acq: 1 Feb 2019 16:30

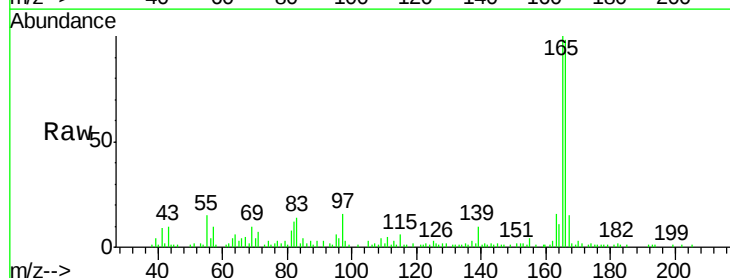
Tgt Ion:166 Resp: 41106

Ion Ratio Lower Upper

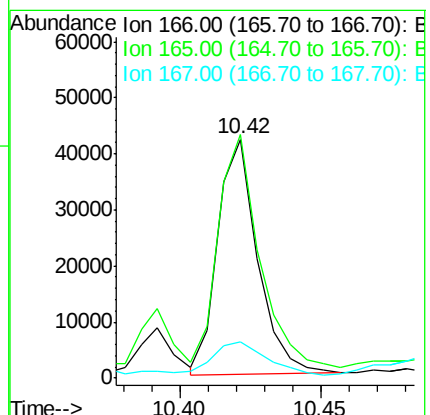
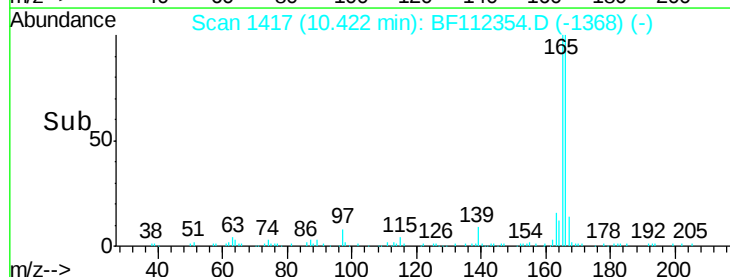
166 100

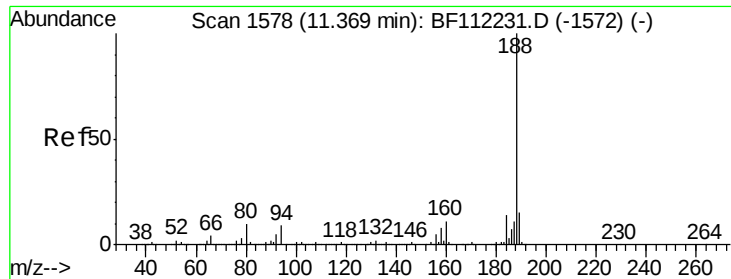
165 102.0 77.1 115.7

167 15.2 11.3 16.9



Abundance Ion 166.00 (165.70 to 166.70): E
Ion 165.00 (164.70 to 165.70): E
Ion 167.00 (166.70 to 167.70): E





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.36 min Scan# 1576

Delta R.T. -0.01 min

Lab File: BF112354.D

Acq: 1 Feb 2019 16:30

Instrument :

BNA_F

ClientSampleId :

0038-AMND-COMP-1

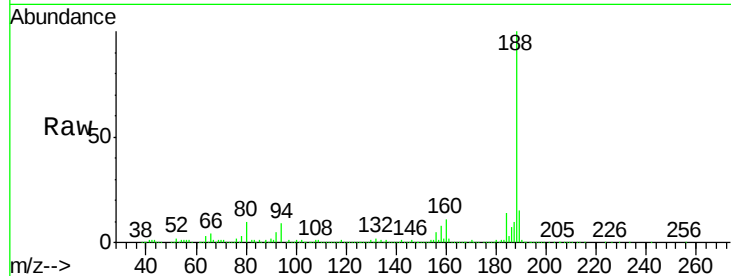
Tgt Ion:188 Resp: 534295

Ion Ratio Lower Upper

188 100

94 9.2 8.2 12.2

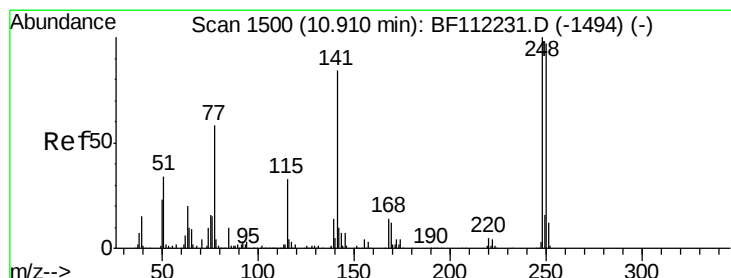
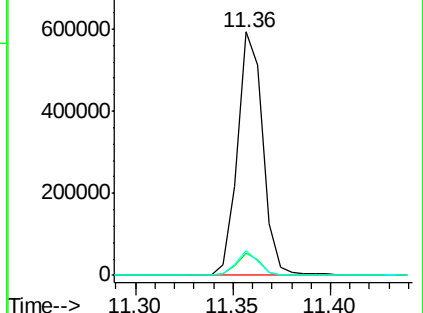
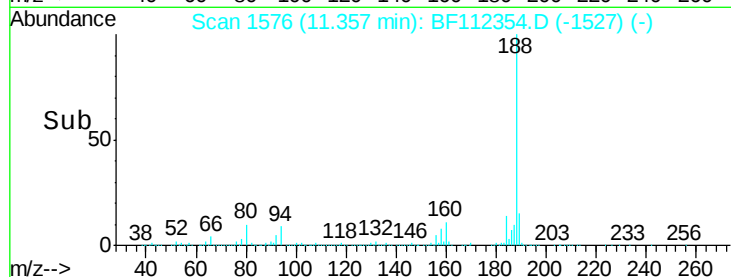
80 10.3 8.9 13.3



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1



#67

4-Bromophenyl-phenylether

Concen: 2.689 ng

RT: 10.66 min Scan# 1458

Delta R.T. -0.25 min

Lab File: BF112354.D

Acq: 1 Feb 2019 16:30

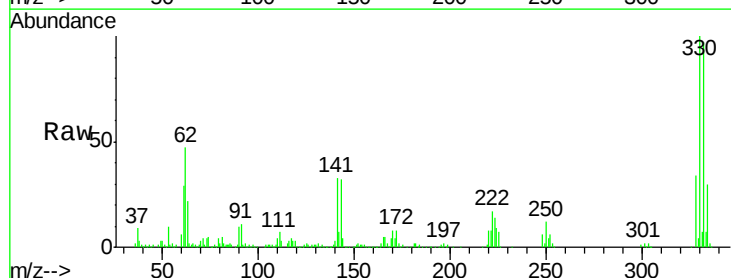
Tgt Ion:248 Resp: 16896

Ion Ratio Lower Upper

248 100

250 199.0 79.7 119.5#

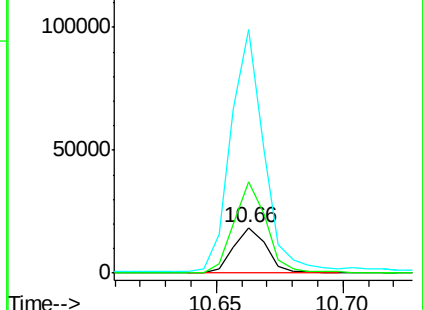
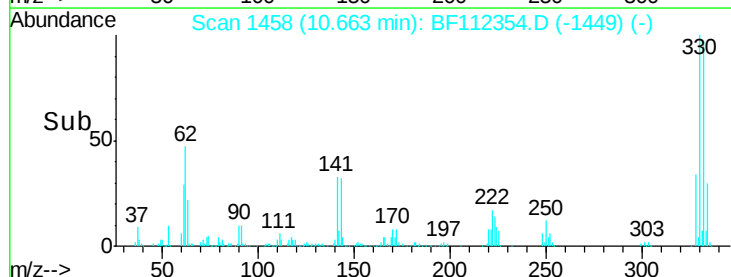
141 531.3 60.3 90.5#

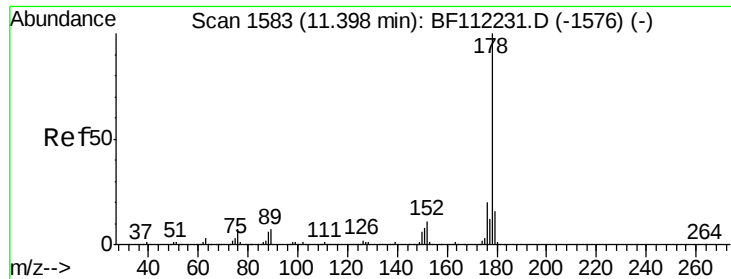


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

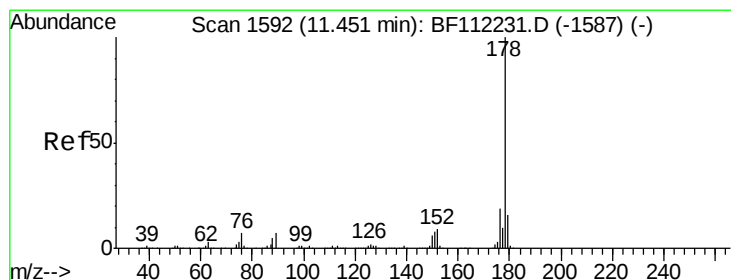
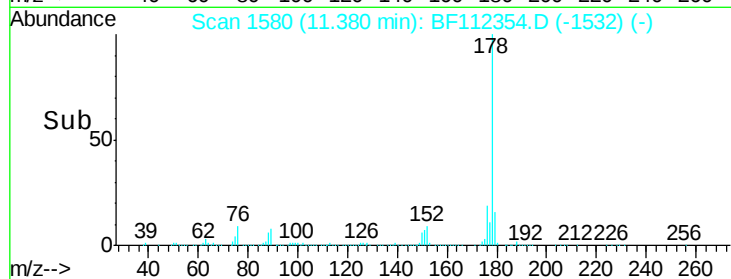
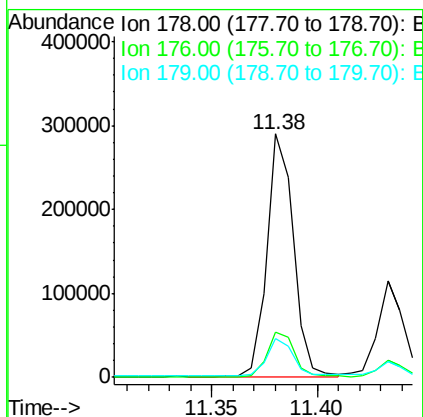
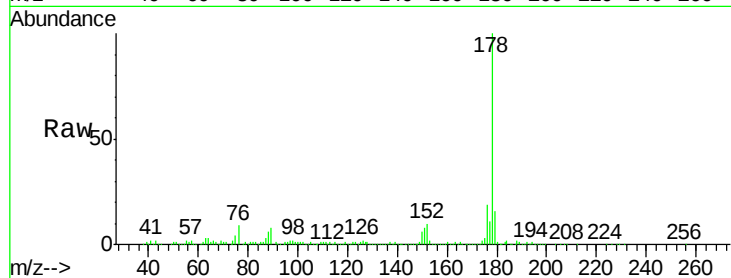




#71
Phenanthrene
Concen: 9.117 ng
RT: 11.38 min Scan# 1580
Delta R.T. -0.02 min
Lab File: BF112354.D
Acq: 1 Feb 2019 16:30

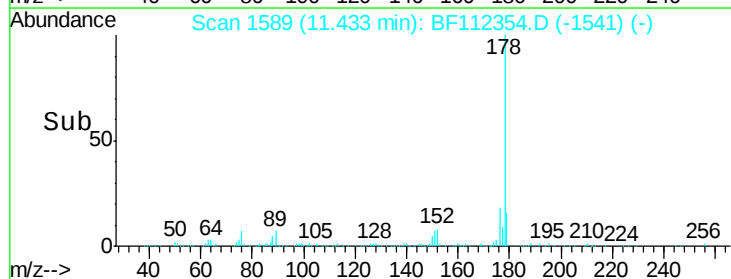
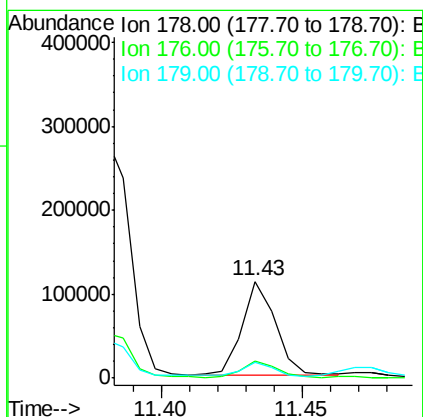
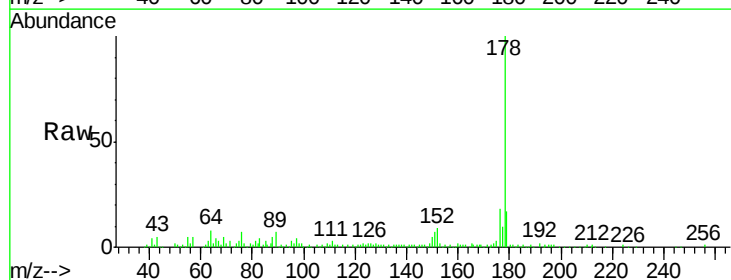
Instrument :
BNA_F
ClientSampleId :
0038-AMND-COMP-1

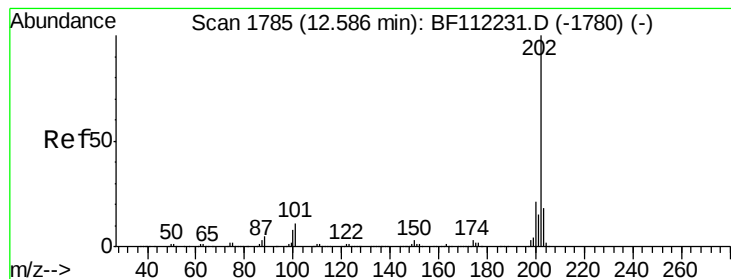
Tgt Ion:178 Resp: 253236
Ion Ratio Lower Upper
178 100
176 18.7 16.3 24.5
179 16.2 13.0 19.4



#72
Anthracene
Concen: 3.313 ng
RT: 11.43 min Scan# 1589
Delta R.T. -0.02 min
Lab File: BF112354.D
Acq: 1 Feb 2019 16:30

Tgt Ion:178 Resp: 91679
Ion Ratio Lower Upper
178 100
176 18.1 15.5 23.3
179 16.7 12.8 19.2





#75

Fluoranthene

Concen: 7.461 ng

RT: 12.57 min Scan# 1783

Delta R.T. -0.01 min

Lab File: BF112354.D

Acq: 1 Feb 2019 16:30

Instrument :

BNA_F

ClientSampleId :

0038-AMND-COMP-1

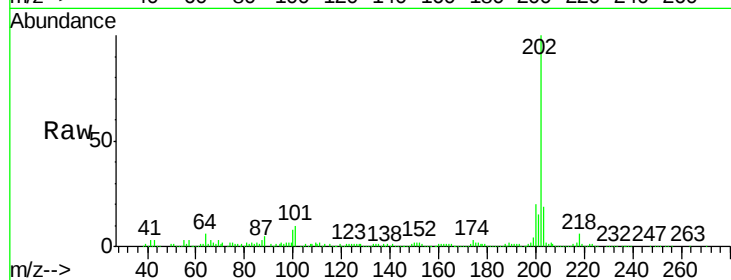
Tgt Ion:202 Resp: 222281

Ion Ratio Lower Upper

202 100

101 10.4 0.0 31.8

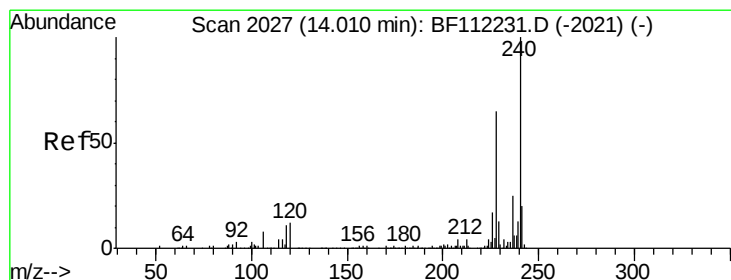
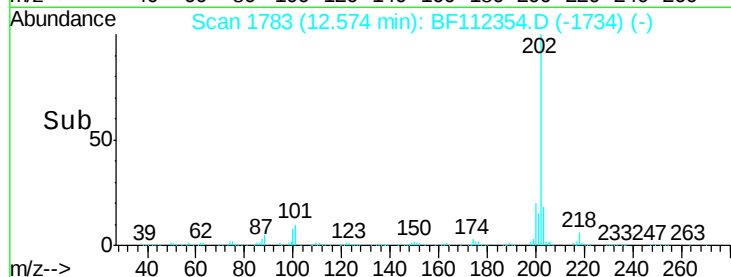
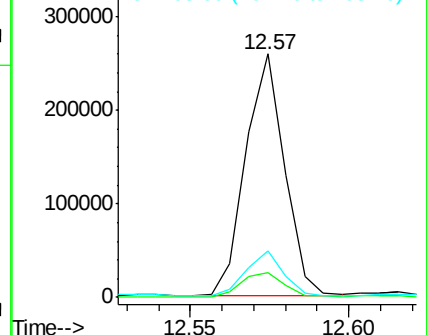
203 18.9 0.0 38.4



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.00 min Scan# 2025

Delta R.T. -0.01 min

Lab File: BF112354.D

Acq: 1 Feb 2019 16:30

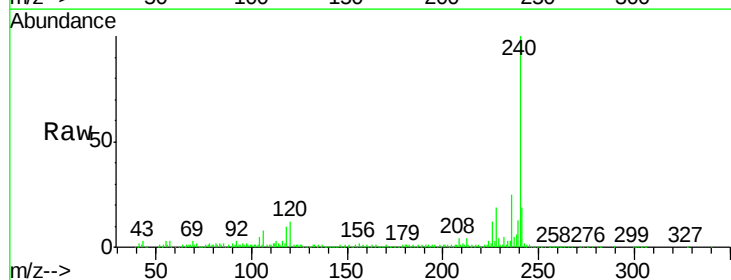
Tgt Ion:240 Resp: 310433

Ion Ratio Lower Upper

240 100

120 11.6 9.0 13.6

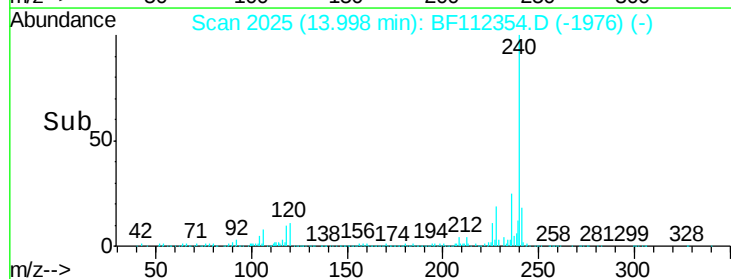
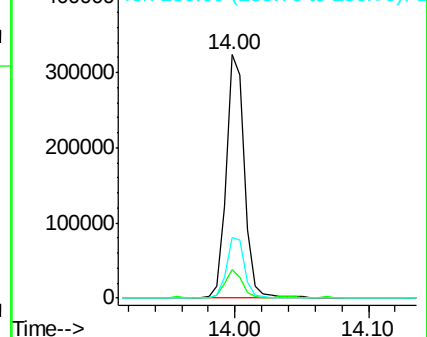
236 24.9 20.7 31.1

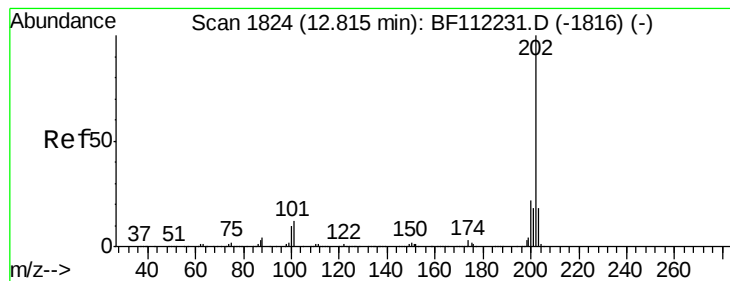


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#78

Pyrene

Concen: 12.569 ng

RT: 12.80 min Scan# 1822

Delta R.T. -0.01 min

Lab File: BF112354.D

Acq: 1 Feb 2019 16:30

Instrument :

BNA_F

ClientSampleId :

0038-AMND-COMP-1

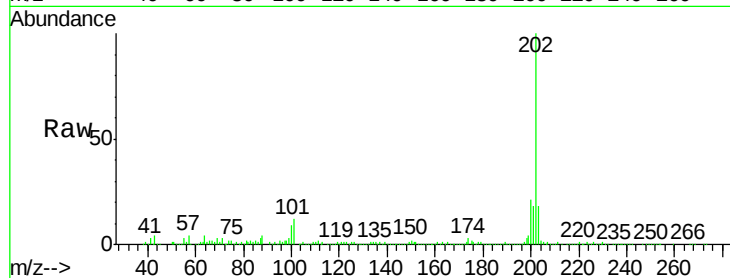
Tgt Ion: 202 Resp: 270131

Ion Ratio Lower Upper

202 100

200 20.6 17.7 26.5

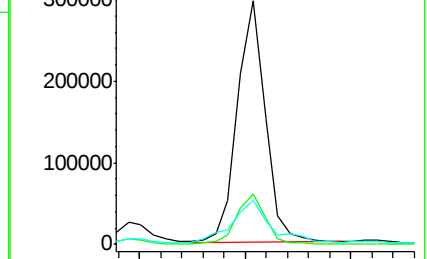
203 18.0 14.6 22.0



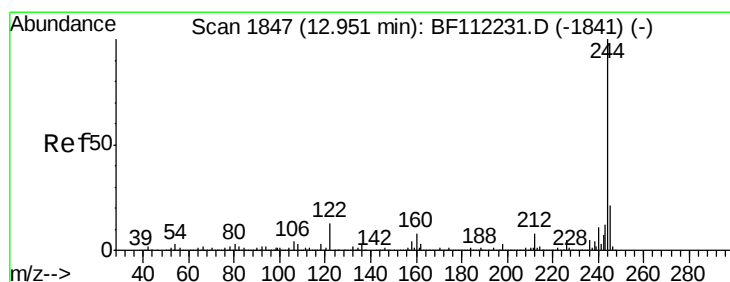
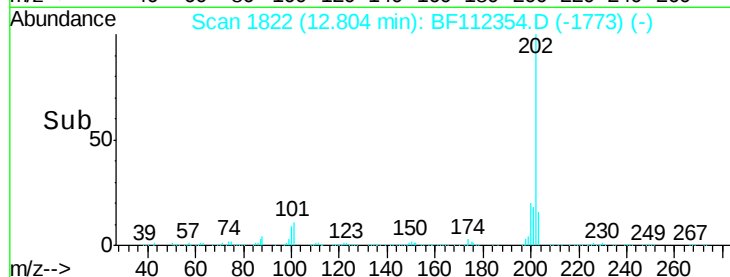
Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E



Time-->



#79

Terphenyl-d14

Concen: 70.300 ng

RT: 12.94 min Scan# 1845

Delta R.T. -0.01 min

Lab File: BF112354.D

Acq: 1 Feb 2019 16:30

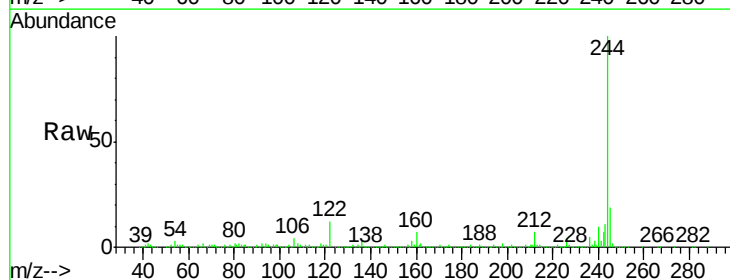
Tgt Ion: 244 Resp: 1158691

Ion Ratio Lower Upper

244 100

212 6.9 5.9 8.9

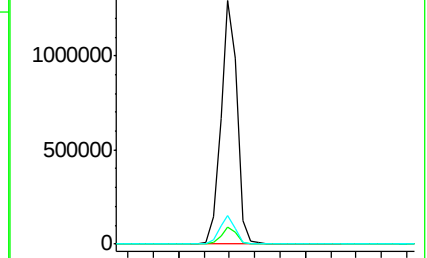
122 11.6 9.8 14.6



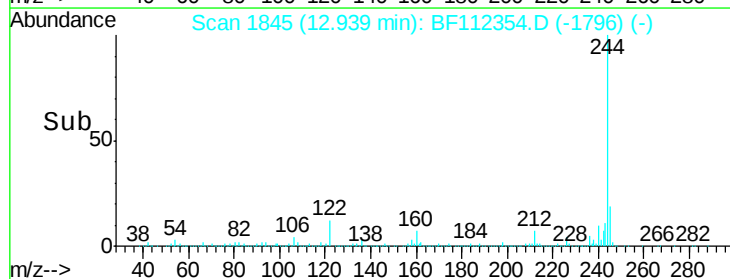
Abundance Ion 244.00 (243.70 to 244.70): E

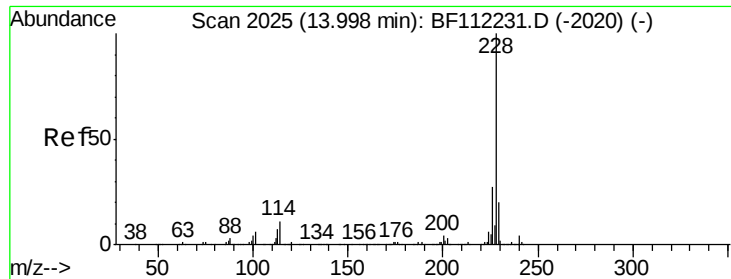
Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



Time-->

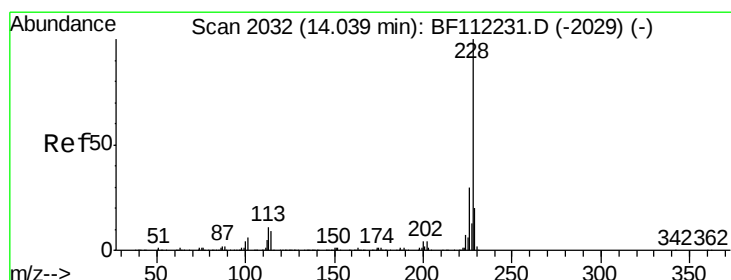
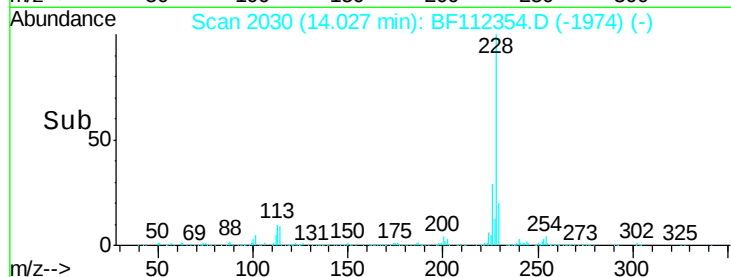
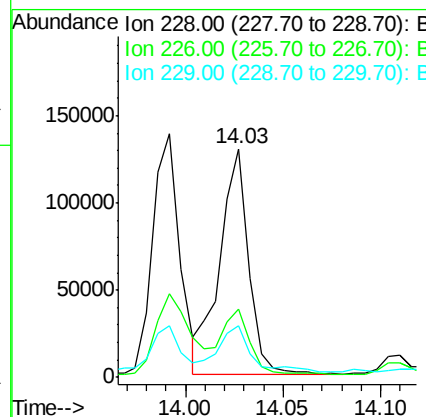
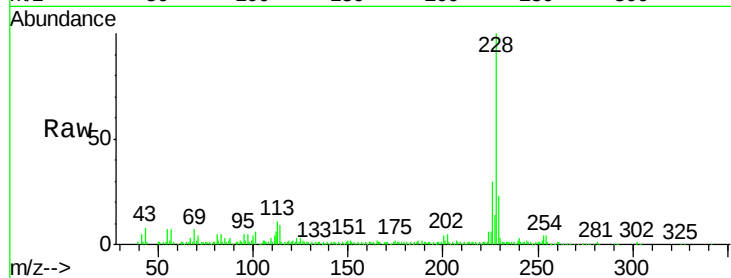




#81
Benzo(a)anthracene
Concen: 7.265 ng
RT: 14.03 min Scan# 2030
Delta R.T. 0.03 min
Lab File: BF112354.D
Acq: 1 Feb 2019 16:30

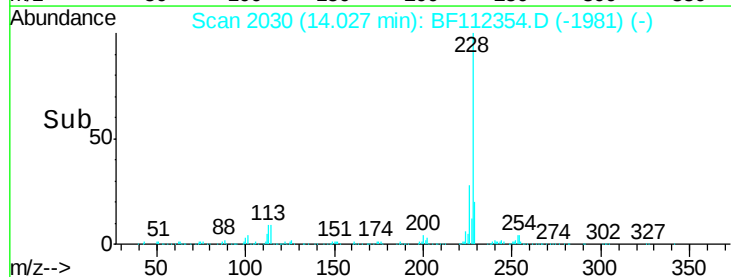
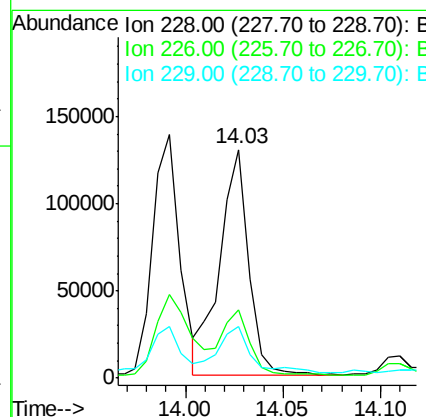
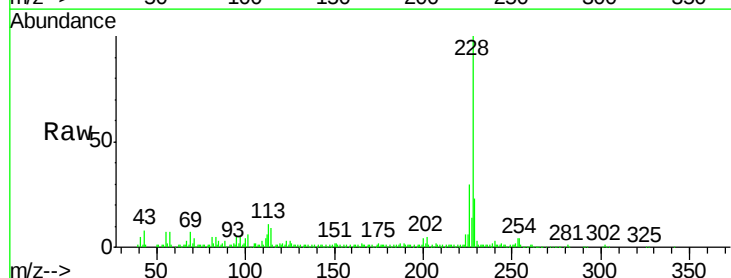
Instrument :
BNA_F
ClientSampleId :
0038-AMND-COMP-1

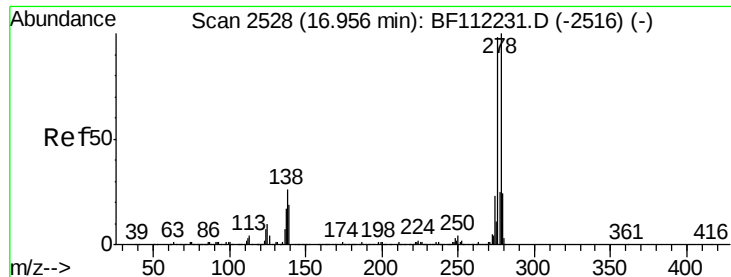
Tgt Ion:228 Resp: 132569
Ion Ratio Lower Upper
228 100
226 29.9 22.6 34.0
229 22.7 16.5 24.7



#83
Chrysene
Concen: 7.610 ng
RT: 14.03 min Scan# 2030
Delta R.T. -0.01 min
Lab File: BF112354.D
Acq: 1 Feb 2019 16:30

Tgt Ion:228 Resp: 132569
Ion Ratio Lower Upper
228 100
226 29.9 25.0 37.6
229 22.7 16.6 24.8

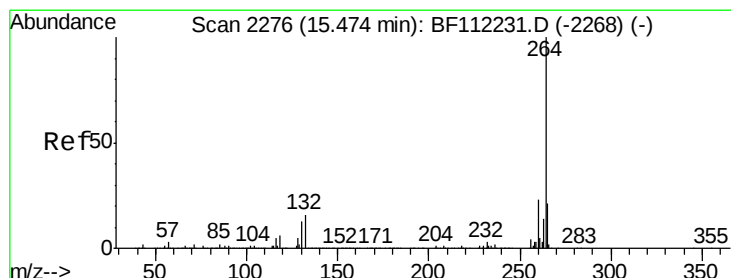
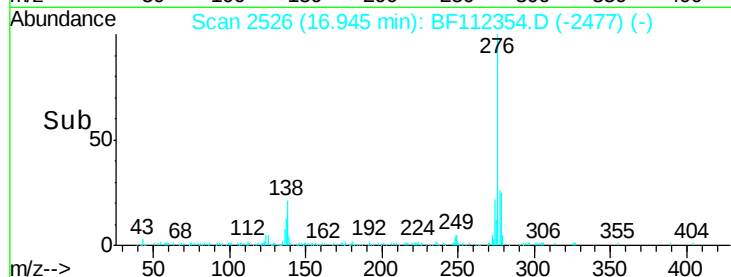
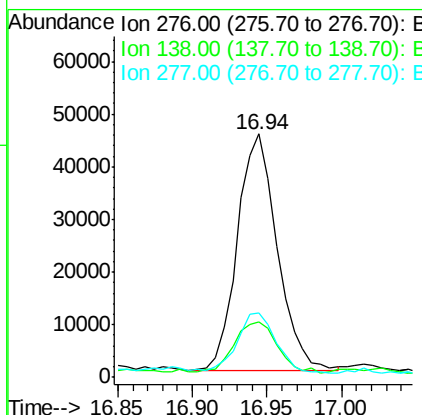
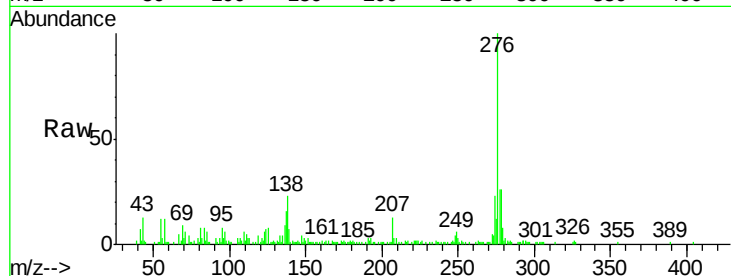




#86
 Indeno(1,2,3-cd)pyrene
 Concen: 6.066 ng
 RT: 16.94 min Scan# 2526
 Delta R.T. -0.01 min
 Lab File: BF112354.D
 Acq: 1 Feb 2019 16:30

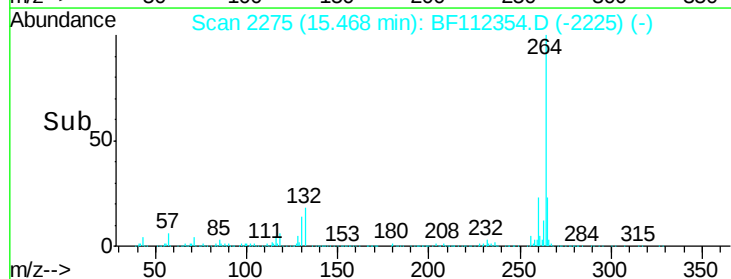
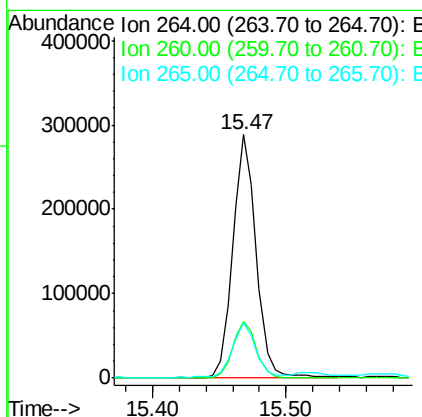
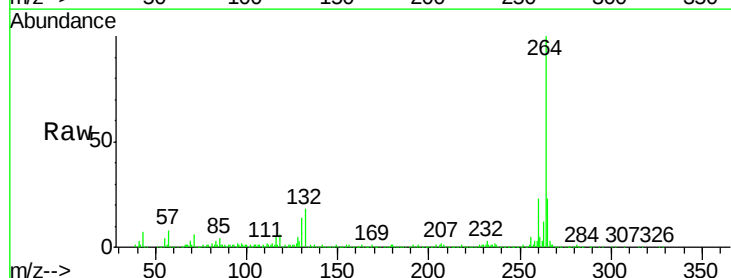
Instrument :
 BNA_F
 ClientSampleId :
 0038-AMND-COMP-1

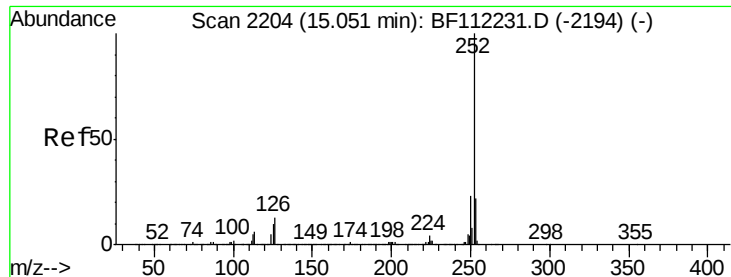
Tgt Ion: 276 Resp: 83725
 Ion Ratio Lower Upper
 276 100
 138 23.5 22.6 34.0
 277 25.1 20.3 30.5



#87
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.47 min Scan# 2275
 Delta R.T. -0.01 min
 Lab File: BF112354.D
 Acq: 1 Feb 2019 16:30

Tgt Ion: 264 Resp: 349533
 Ion Ratio Lower Upper
 264 100
 260 23.1 18.2 27.2
 265 22.7 17.0 25.4





#88

Benzo(b)fluoranthene

Concen: 9.193 ng

RT: 15.04 min Scan# 2203

Delta R.T. -0.01 min

Lab File: BF112354.D

Acq: 1 Feb 2019 16:30

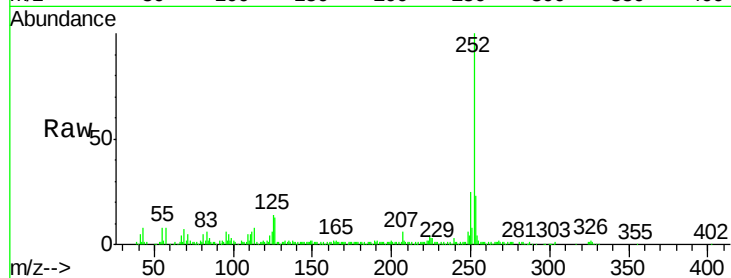
Instrument :

BNA_F

ClientSampleId :

0038-AMND-COMP-1

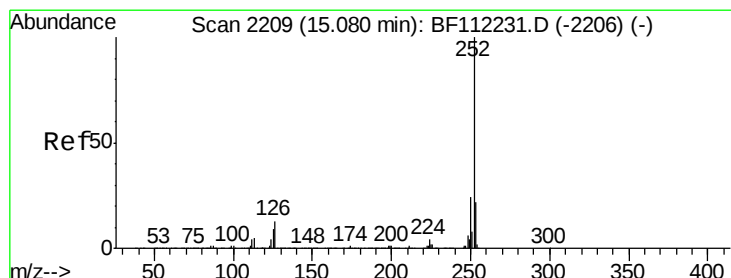
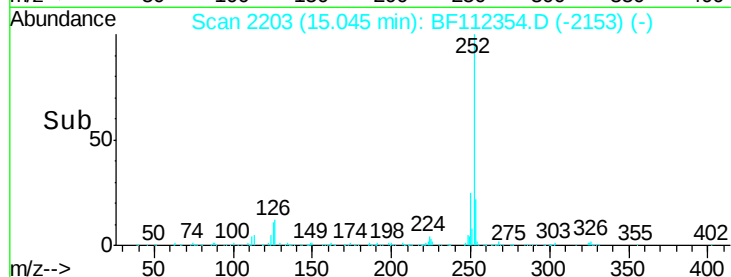
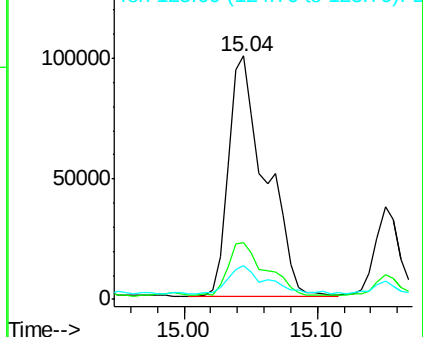
Tgt Ion:	252	Resp:	192159
Ion Ratio	Lower	Upper	
252	100		
253	23.1	18.0	27.0
125	13.7	8.7	13.1#



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#89

Benzo(k)fluoranthene

Concen: 9.614 ng

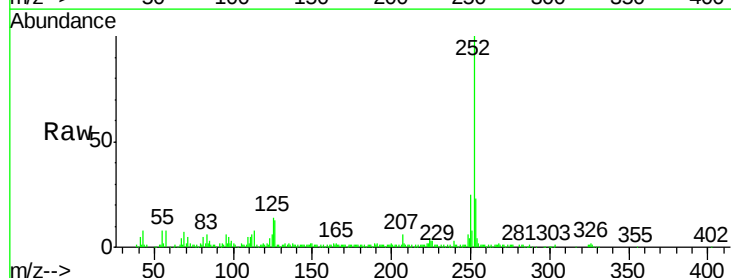
RT: 15.04 min Scan# 2203

Delta R.T. -0.04 min

Lab File: BF112354.D

Acq: 1 Feb 2019 16:30

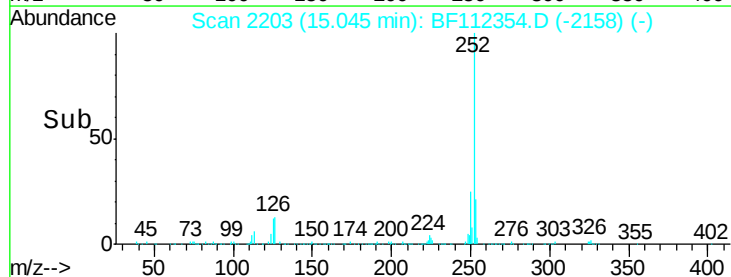
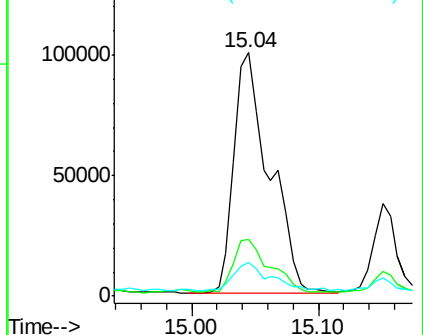
Tgt Ion:	252	Resp:	192494
Ion Ratio	Lower	Upper	
252	100		
253	23.1	18.0	27.0
125	13.7	9.1	13.7#

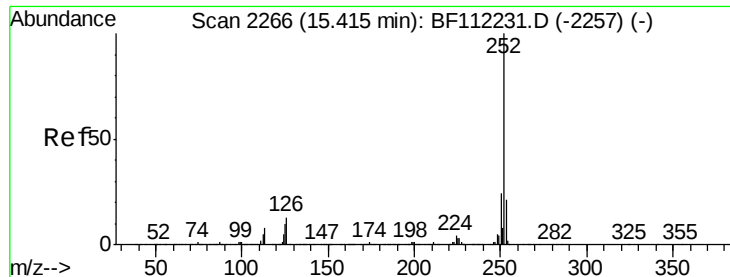


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#90

Benzo(a)pyrene

Concen: 8.447 ng

RT: 15.41 min Scan# 2265

Delta R.T. -0.01 min

Lab File: BF112354.D

Acq: 1 Feb 2019 16:30

Instrument :

BNA_F

ClientSampleId :

0038-AMND-COMP-1

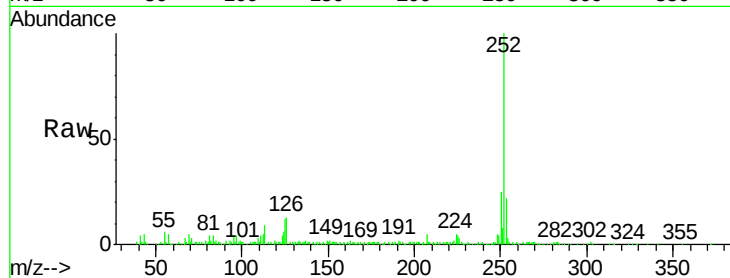
Tgt Ion:252 Resp: 158873

Ion Ratio Lower Upper

252 100

253 22.2 17.5 26.3

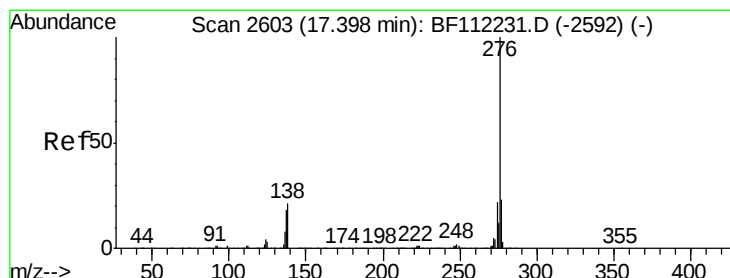
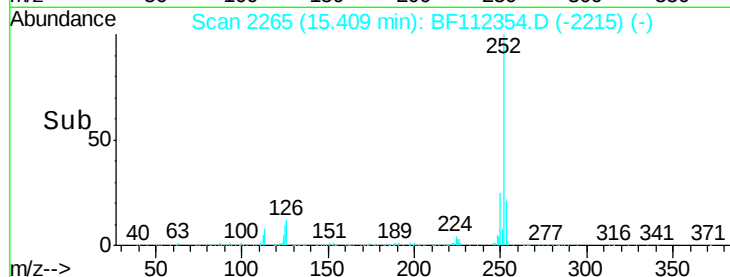
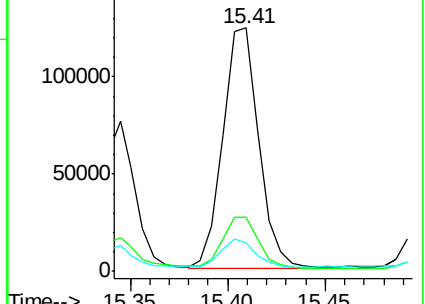
125 11.7 9.0 13.4



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#92

Benzo(g,h,i)perylene

Concen: 6.156 ng

RT: 17.39 min Scan# 2602

Delta R.T. -0.01 min

Lab File: BF112354.D

Acq: 1 Feb 2019 16:30

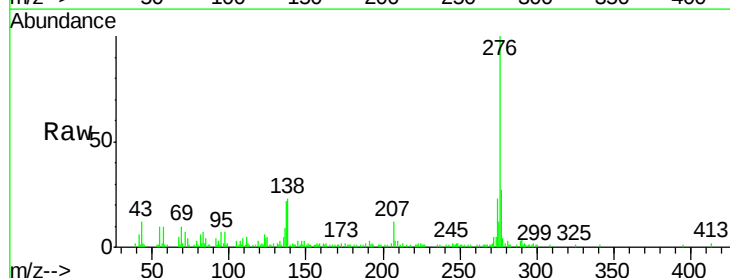
Tgt Ion:276 Resp: 88037

Ion Ratio Lower Upper

276 100

277 27.1 19.4 29.0

138 23.3 19.1 28.7



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

