

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF101118\
 Data File : BF109809.D
 Acq On : 12 Oct 2018 1:45
 Operator : JU/SJ
 Sample : J5314-06 10X
 Misc :
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 DOCUMENTATION-23

Quant Time: Oct 12 04:29:17 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF100818.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Oct 08 16:02:11 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.70	152	49690	20.00	ng	0.00
21) Naphthalene-d8	7.97	136	218171	20.00	ng	0.00
38) Acenaphthene-d10	9.72	164	92159	20.00	ng	0.00
63) Phenanthrene-d10	11.20	188	180359	20.00	ng	0.00
75) Chrysene-d12	13.84	240	154788	20.00	ng	0.01
86) Perylene-d12	15.24	264	136217	20.00	ng	0.02

System Monitoring Compounds

5) 2-Fluorophenol	5.33	112	10682	3.82	ng	0.01
7) Phenol-d6	6.37	99	17852	4.77	ng	0.01
23) Nitrobenzene-d5	7.29	82	16089	4.07	ng	0.02
41) 2,4,6-Tribromophenol	10.52	330	8401	8.37	ng	0.00
44) 2-Fluorobiphenyl	9.05	172	42470	6.35	ng	-0.01
78) Terphenyl-d14	12.78	244	48503	6.07	ng	0.00

Target Compounds

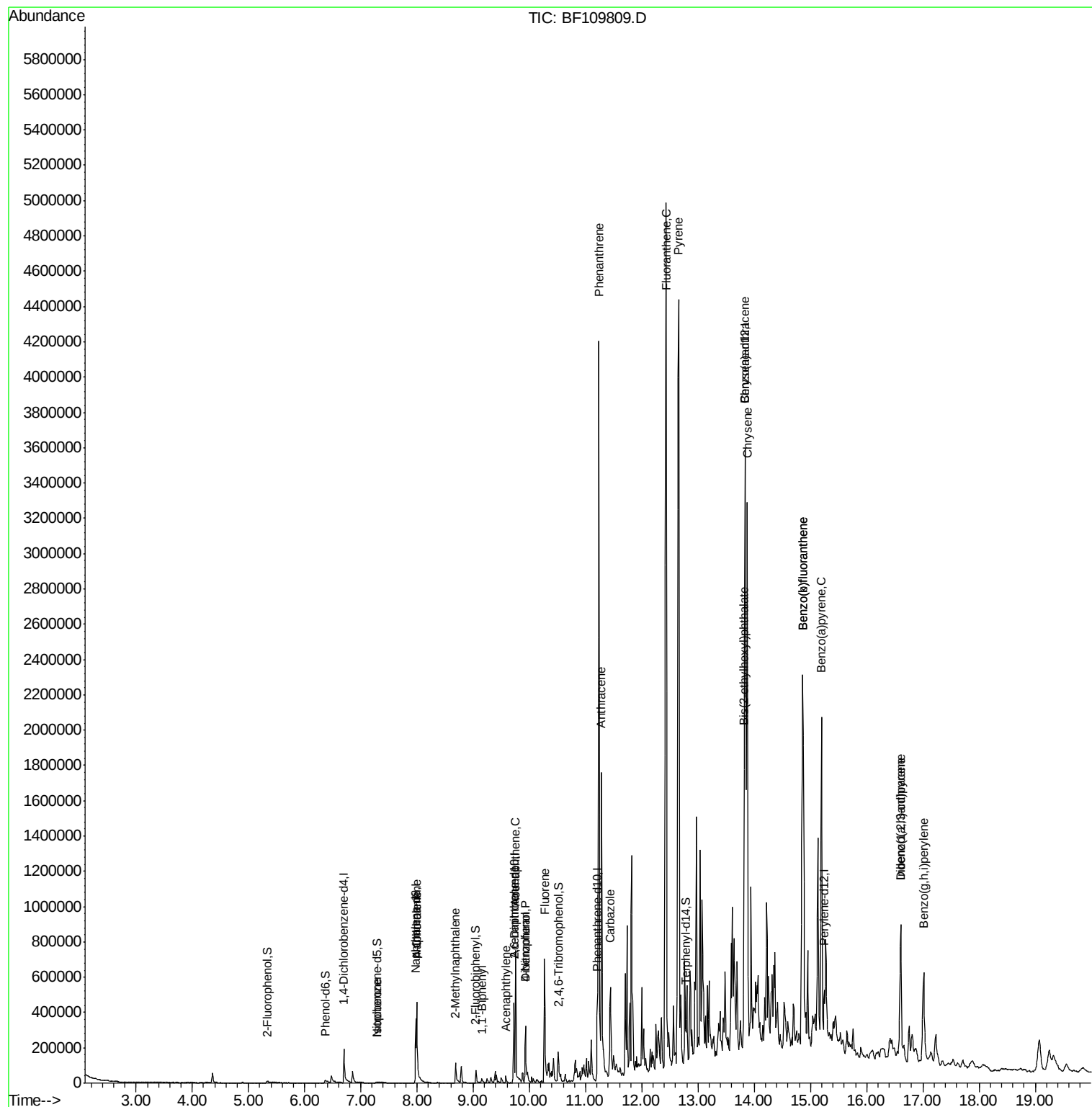
						Qvalue
25) Isophorone	7.29	82	16089	2.448	ng	# 67
31) Naphthalene	8.00	128	292801	29.019	ng	99
33) 4-Chloroaniline	8.00	127	33602	7.562	ng	# 37
37) 2-Methylnaphthalene	8.69	142	50438	7.631	ng	96
45) 1,1'-Biphenyl	9.15	154	16997	2.064	ng	95
48) Acenaphthylene	9.58	152	18217	2.026	ng	97
50) 2,6-Dinitrotoluene	9.72	165	13646	9.314	ng	# 25
51) Acenaphthene	9.75	154	183063	34.342	ng	100
54) Dibenzofuran	9.93	168	174488	21.837	ng	97
55) 4-Nitrophenol	9.93	139	66306	73.758	ng	# 7
57) Fluorene	10.27	166	233889	39.196	ng	100
70) Phenanthrene	11.24	178	2039980	226.015	ng	97
71) Anthracene	11.29	178	898811	96.333	ng	100
72) Carbazole	11.44	167	304171	33.613	ng	99
74) Fluoranthene	12.43	202	3297458	349.707	ng	97
77) Pyrene	12.66	202	2817459	248.436	ng	97
80) Benzo(a)anthracene	13.84	228	1807443	211.599	ng	96
82) Chrysene	13.88	228	1413826	157.579	ng	95
83) Bis(2-ethylhexyl)phthalate	13.82	149	22099	3.684	ng	# 98
85) Indeno(1,2,3-cd)pyrene	16.61	276	554833	86.396	ng	# 93
87) Benzo(b)fluoranthene	14.86	252	1975965	262.496	ng	97
88) Benzo(k)fluoranthene	14.86	252	1975965	261.254	ng	# 96
89) Benzo(a)pyrene	15.20	252	1021203	149.493	ng	98
90) Dibenzo(a,h)anthracene	16.61	278	156797	27.948	ng	94
91) Benzo(g,h,i)perylene	17.02	276	468018	83.540	ng	98

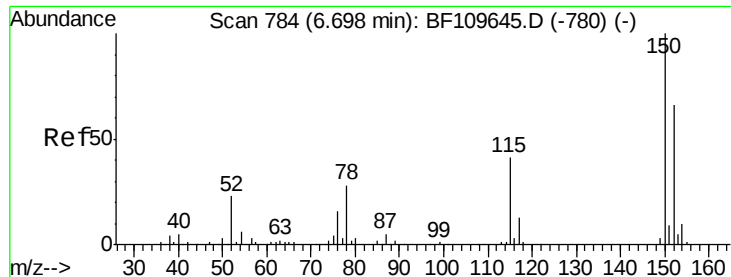
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF101118\
Data File : BF109809.D
Acq On : 12 Oct 2018 1:45
Operator : JU/SJ
Sample : J5314-06 10X
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DOCUMENTATION-23

Quant Time: Oct 12 04:29:17 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF100818.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Oct 08 16:02:11 2018
Response via : Initial Calibration



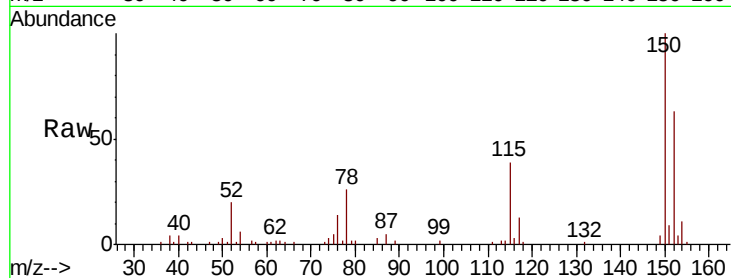


#1

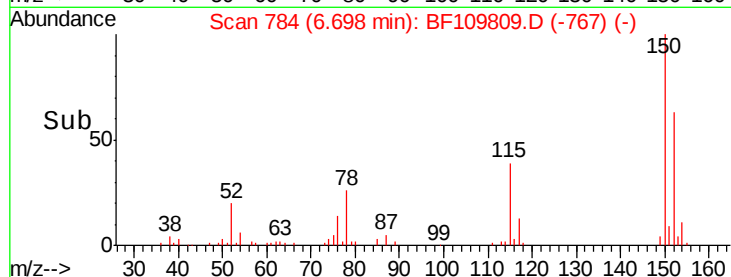
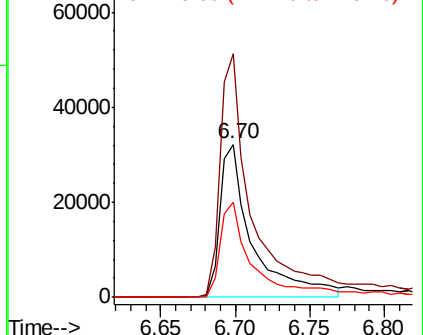
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.70 min Scan# 784
Delta R.T. -0.00 min
Lab File: BF109809.D
Acq: 12 Oct 2018 1:45

Instrument :
BNA_F
ClientSampleId :
DOCUMENTATION-23

Tgt Ion:152 Resp: 49690
Ion Ratio Lower Upper
152 100
150 158.8 122.7 184.1
115 62.0 49.1 73.7



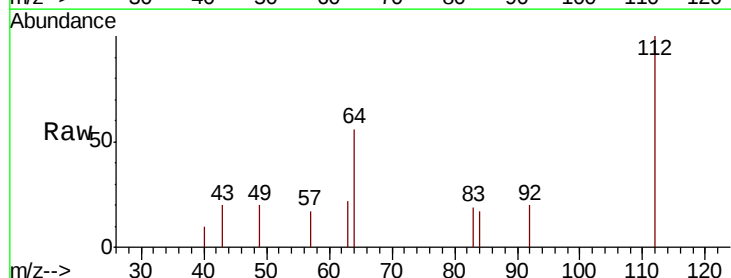
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



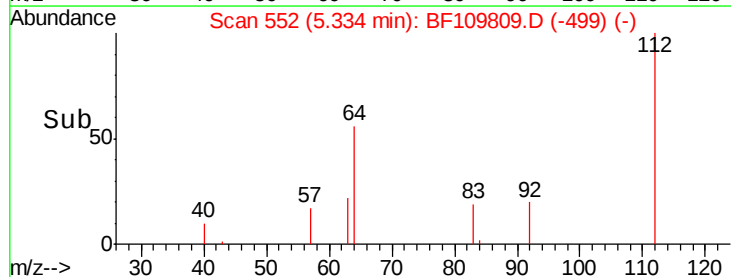
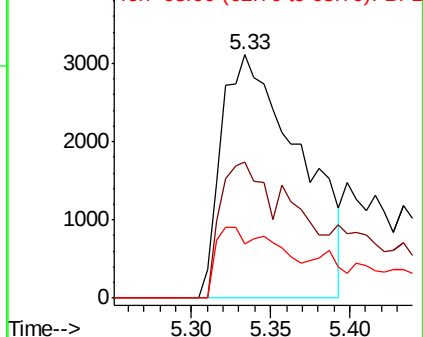
#5

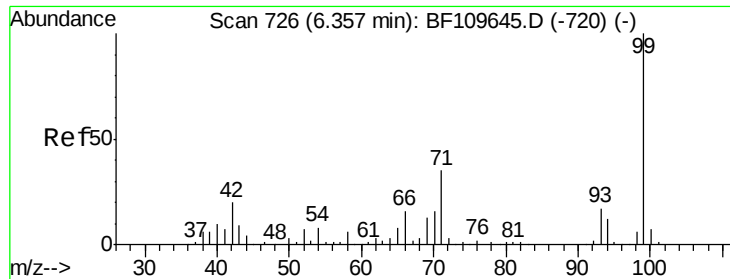
2-Fluorophenol
Concen: 3.816 ng
RT: 5.33 min Scan# 552
Delta R.T. 0.01 min
Lab File: BF109809.D
Acq: 12 Oct 2018 1:45

Tgt Ion:112 Resp: 10682
Ion Ratio Lower Upper
112 100
64 55.8 44.1 66.1
63 22.0 23.7 35.5#



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: 4.774 ng

RT: 6.37 min Scan# 728

Delta R.T. 0.01 min

Lab File: BF109809.D

Acq: 12 Oct 2018 1:45

Instrument :

BNA_F

ClientSampleId :

DOCUMENTATION-23

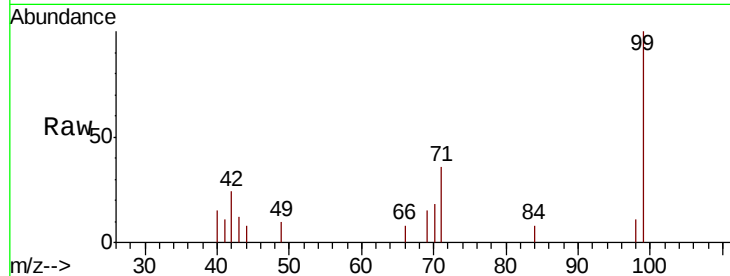
Tgt Ion: 99 Resp: 17852

Ion Ratio Lower Upper

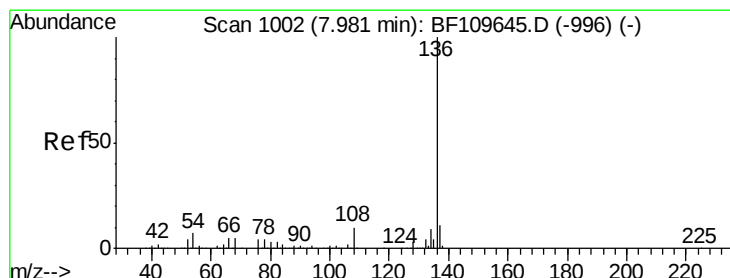
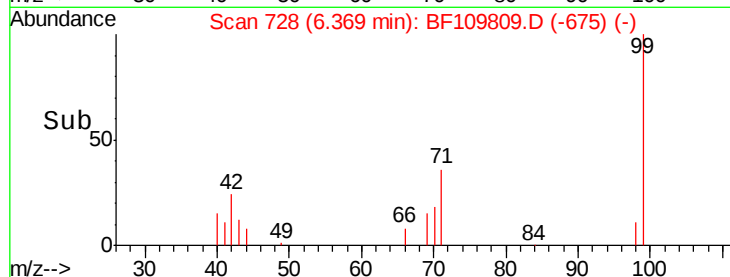
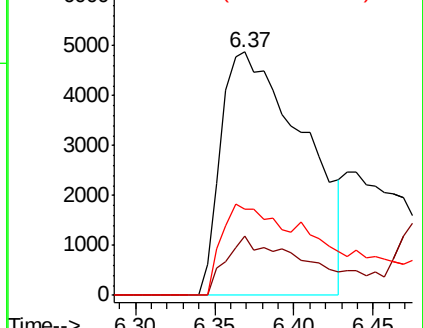
99 100

42 24.4 15.8 23.6#

71 35.6 28.0 42.0



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: 7.97 min Scan# 1001

Delta R.T. -0.01 min

Lab File: BF109809.D

Acq: 12 Oct 2018 1:45

Tgt Ion: 136 Resp: 218171

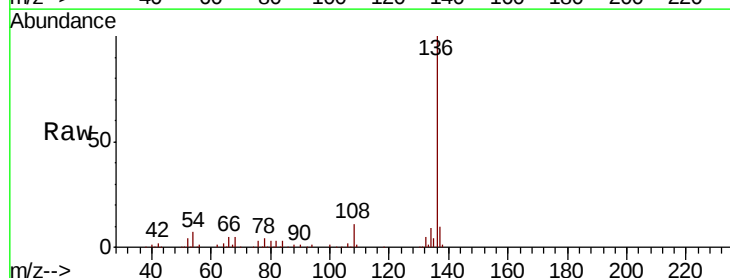
Ion Ratio Lower Upper

136 100

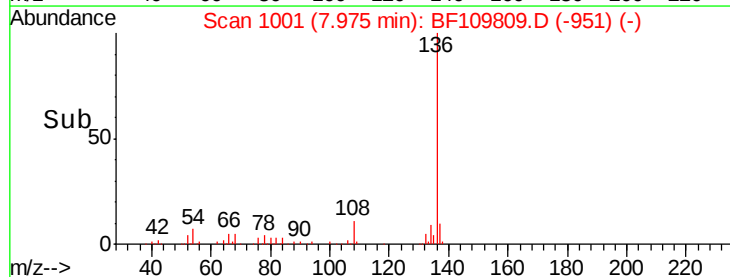
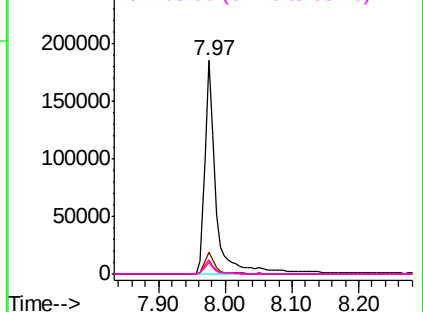
137 10.2 8.8 13.2

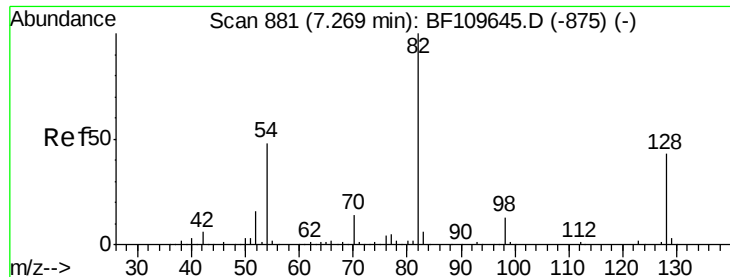
54 6.7 5.4 8.2

68 5.3 4.2 6.2



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

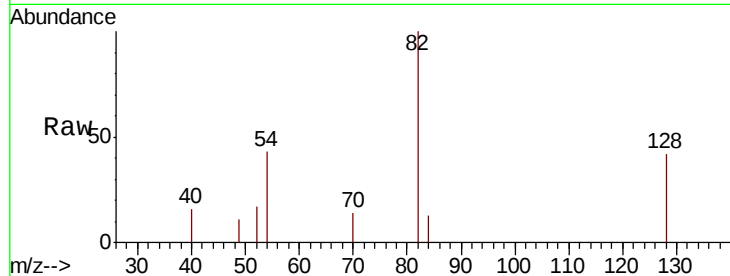




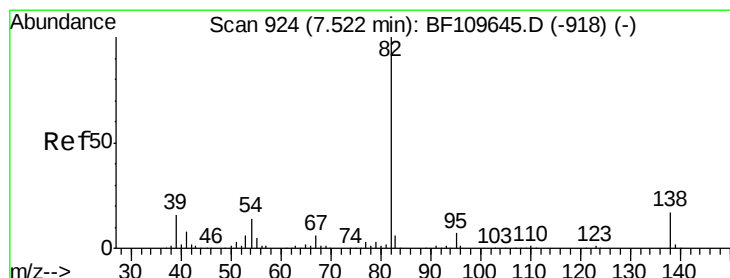
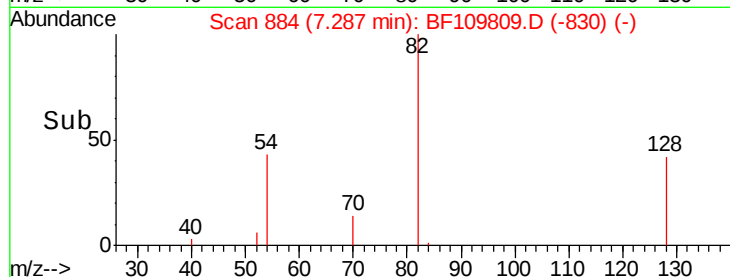
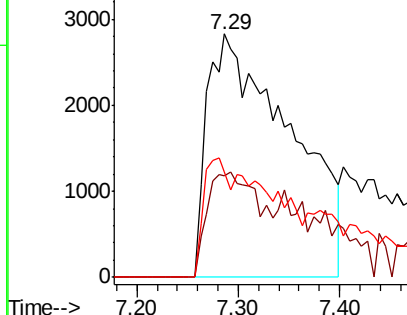
#23
 Nitrobenzene-d5
 Concen: 4.065 ng
 RT: 7.29 min Scan# 884
 Delta R.T. 0.02 min
 Lab File: BF109809.D
 Acq: 12 Oct 2018 1:45

Instrument :
 BNA_F
 ClientSampleId :
 DOCUMENTATION-23

Tgt Ion: 82 Resp: 16089
 Ion Ratio Lower Upper
 82 100
 128 41.6 34.2 51.2
 54 43.3 38.6 58.0

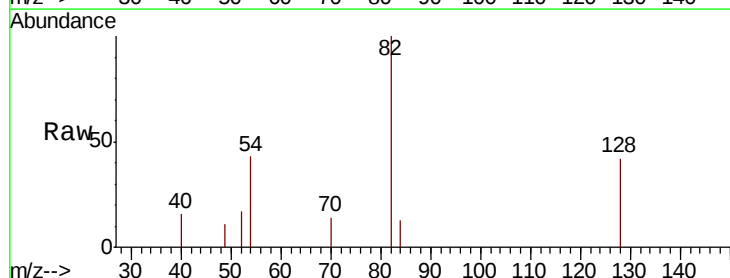


Abundance Ion 82.00 (81.70 to 82.70): BF1
 Ion 128.00 (127.70 to 128.70): BF1
 Ion 54.00 (53.70 to 54.70): BF1

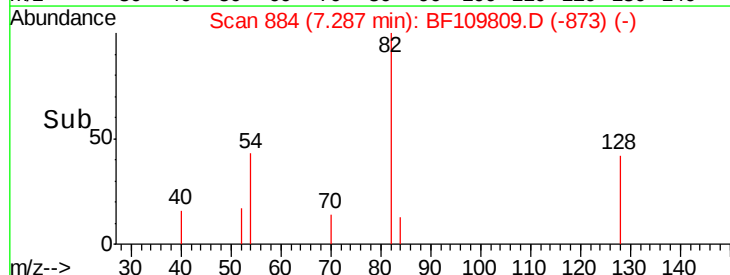
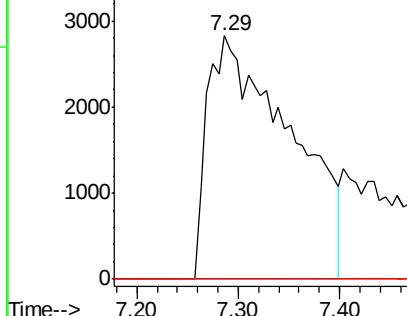


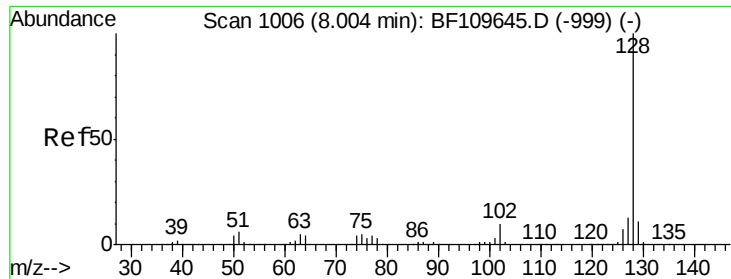
#25
 Isophorone
 Concen: 2.448 ng
 RT: 7.29 min Scan# 884
 Delta R.T. -0.24 min
 Lab File: BF109809.D
 Acq: 12 Oct 2018 1:45

Tgt Ion: 82 Resp: 16089
 Ion Ratio Lower Upper
 82 100
 95 0.0 5.7 8.5#
 138 0.0 13.2 19.8#



Abundance Ion 82.00 (81.70 to 82.70): BF1
 Ion 95.00 (94.70 to 95.70): BF1
 Ion 138.00 (137.70 to 138.70): BF1

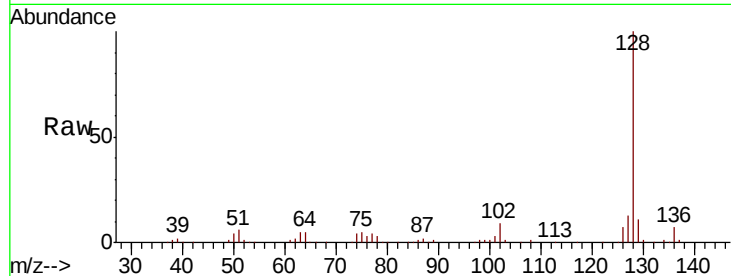




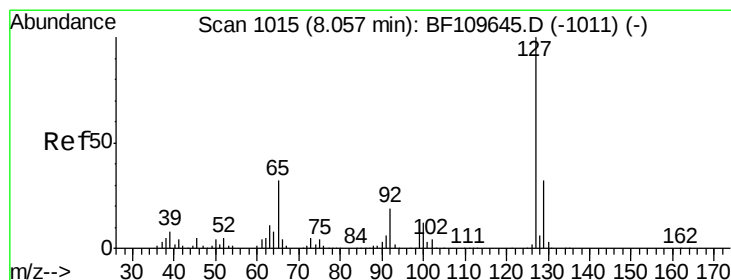
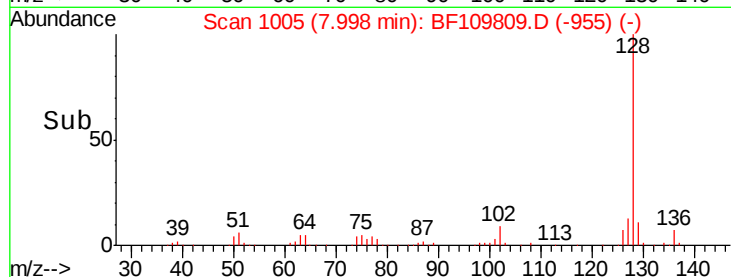
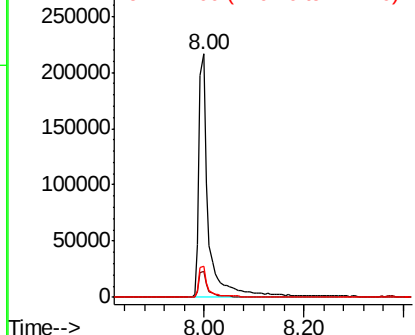
#31
Naphthalene
Concen: 29.019 ng
RT: 8.00 min Scan# 1005
Delta R.T. -0.01 min
Lab File: BF109809.D
Acq: 12 Oct 2018 1:45

Instrument :
BNA_F
ClientSampleId :
DOCUMENTATION-23

Tgt Ion:128 Resp: 292801
Ion Ratio Lower Upper
128 100
129 10.5 8.8 13.2
127 13.0 10.8 16.2

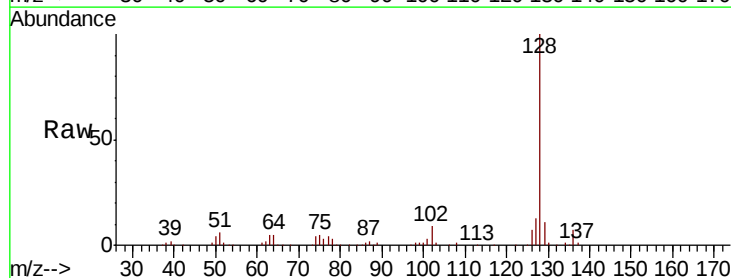


Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E

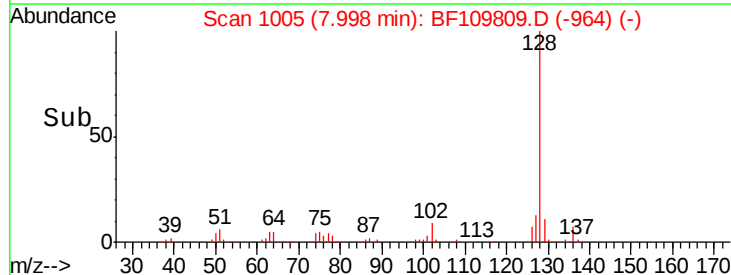
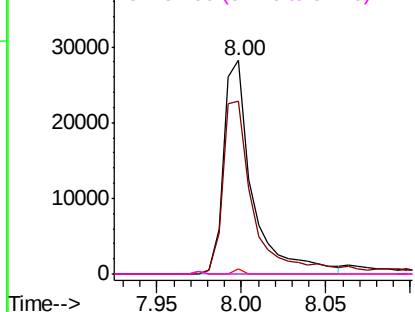


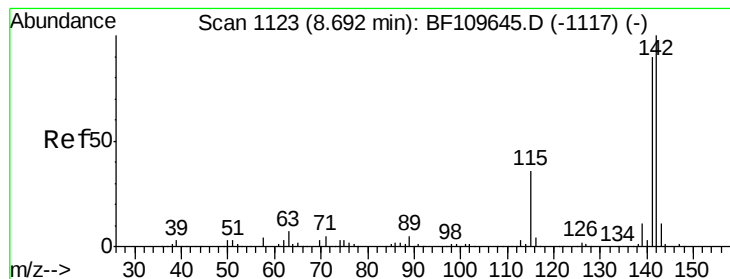
#33
4-Chloroaniline
Concen: 7.562 ng
RT: 8.00 min Scan# 1005
Delta R.T. -0.06 min
Lab File: BF109809.D
Acq: 12 Oct 2018 1:45

Tgt Ion:127 Resp: 33602
Ion Ratio Lower Upper
127 100
129 80.6 26.0 39.0#
65 2.6 25.1 37.7#
92 0.0 15.0 22.6#



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: 7.631 ng

RT: 8.69 min Scan# 1122

Delta R.T. -0.01 min

Lab File: BF109809.D

Acq: 12 Oct 2018 1:45

Instrument :

BNA_F

ClientSampleId :

DOCUMENTATION-23

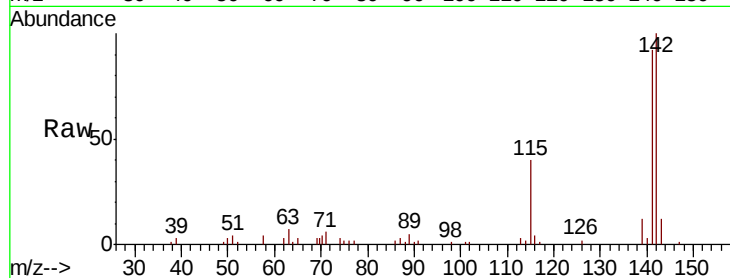
Tgt Ion:142 Resp: 50438

Ion Ratio Lower Upper

142 100

141 91.8 71.4 107.2

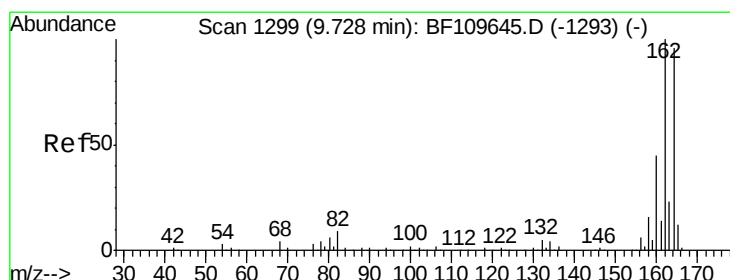
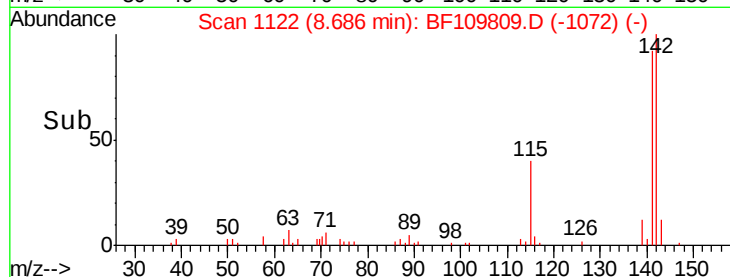
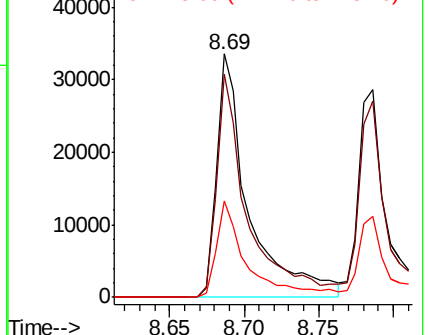
115 39.7 28.7 43.1



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

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.72 min Scan# 1298

Delta R.T. -0.01 min

Lab File: BF109809.D

Acq: 12 Oct 2018 1:45

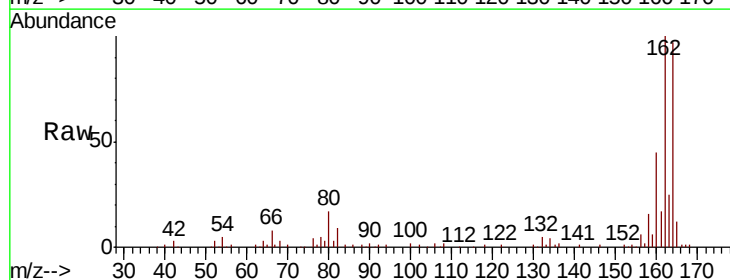
Tgt Ion:164 Resp: 92159

Ion Ratio Lower Upper

164 100

162 103.4 83.0 124.6

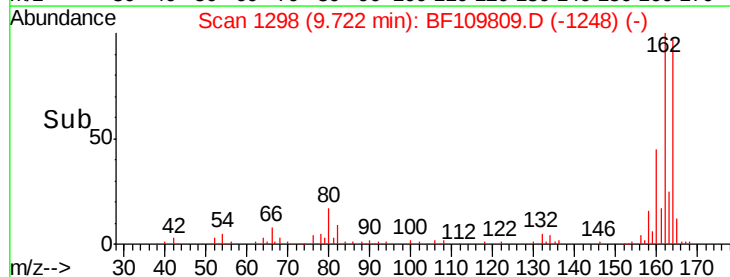
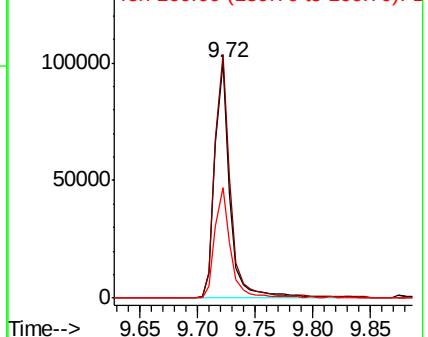
160 47.0 37.0 55.6

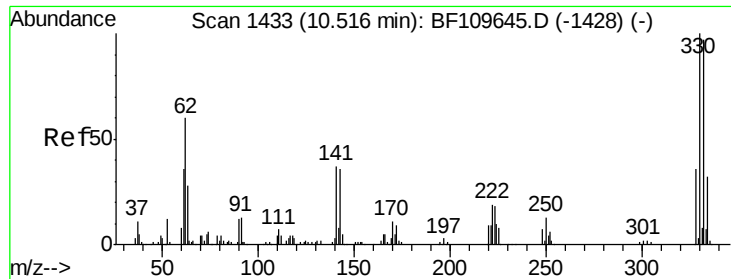


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E





#41

2,4,6-Tribromophenol

Concen: 8.366 ng

RT: 10.52 min Scan# 1433

Delta R.T. -0.00 min

Lab File: BF109809.D

Acq: 12 Oct 2018 1:45

Instrument :

BNA_F

ClientSampleId :

DOCUMENTATION-23

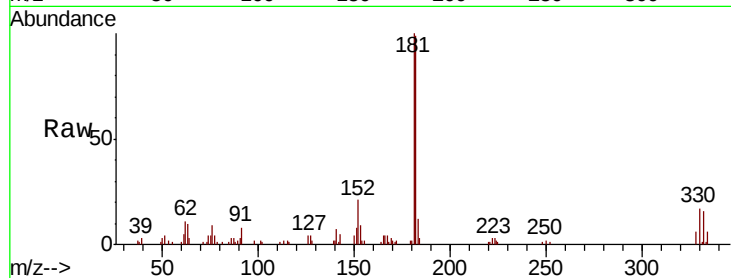
Tgt Ion:330 Resp: 8401

Ion Ratio Lower Upper

330 100

332 97.5 77.1 115.7

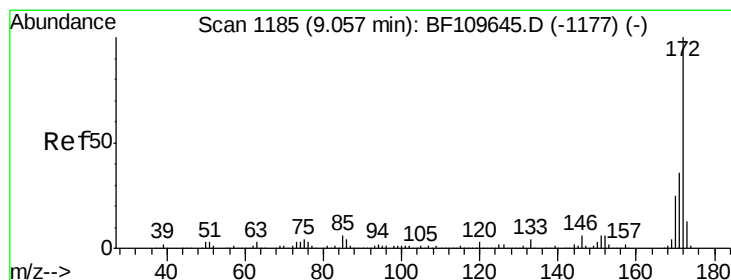
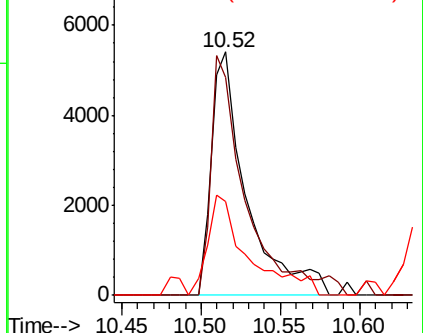
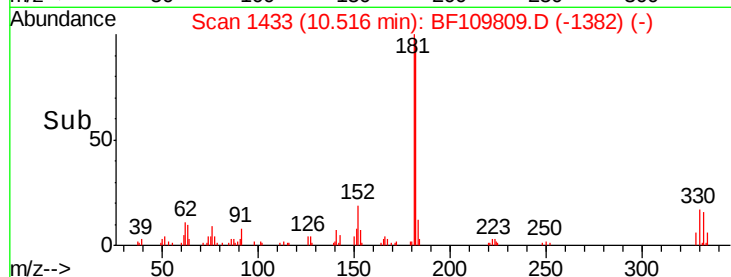
141 47.3 27.0 40.4#



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



#44

2-Fluorobiphenyl

Concen: 6.347 ng

RT: 9.05 min Scan# 1183

Delta R.T. -0.01 min

Lab File: BF109809.D

Acq: 12 Oct 2018 1:45

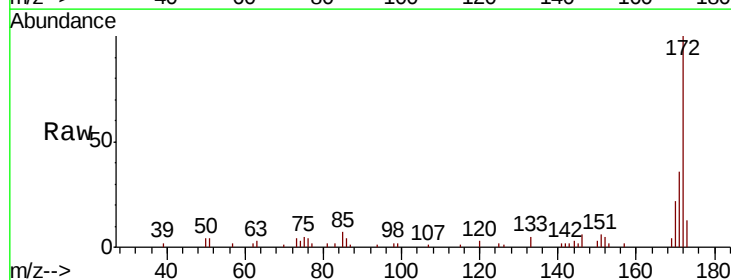
Tgt Ion:172 Resp: 42470

Ion Ratio Lower Upper

172 100

171 35.7 28.6 43.0

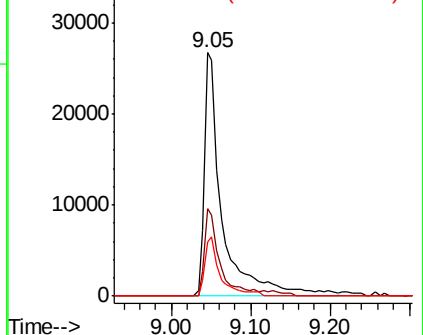
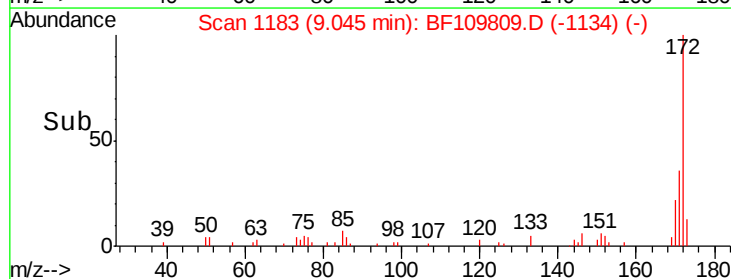
170 22.0 19.7 29.5

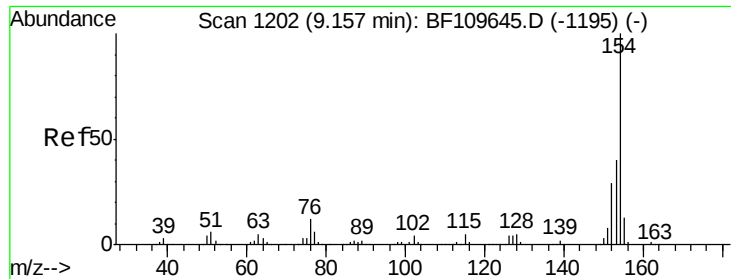


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E

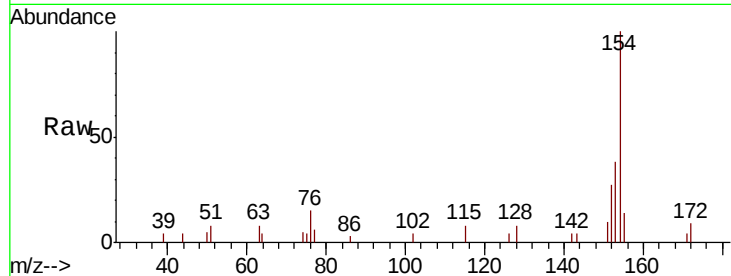




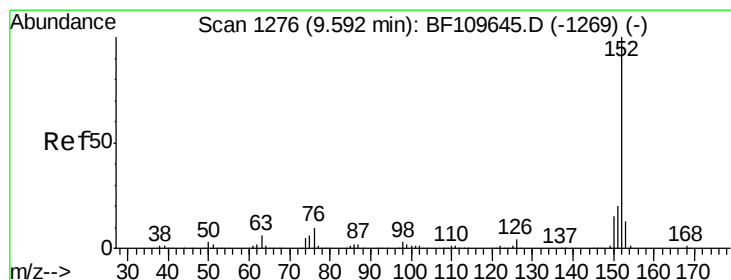
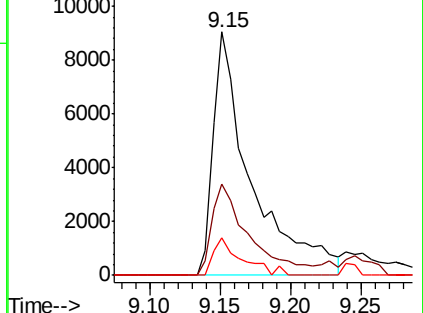
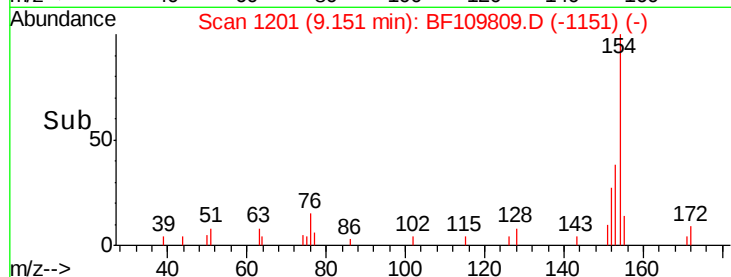
#45
1,1'-Biphenyl
Concen: 2.064 ng
RT: 9.15 min Scan# 1201
Delta R.T. -0.01 min
Lab File: BF109809.D
Acq: 12 Oct 2018 1:45

Instrument :
BNA_F
ClientSampleId :
DOCUMENTATION-23

Tgt Ion	Ratio	Lower	Upper
154	100		
153	37.7	20.4	60.4
76	15.3	0.0	31.9

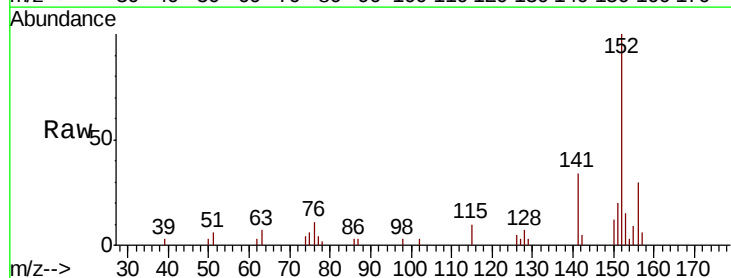


Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 76.00 (75.70 to 76.70): BF1

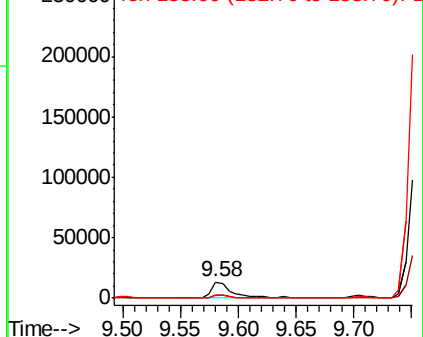
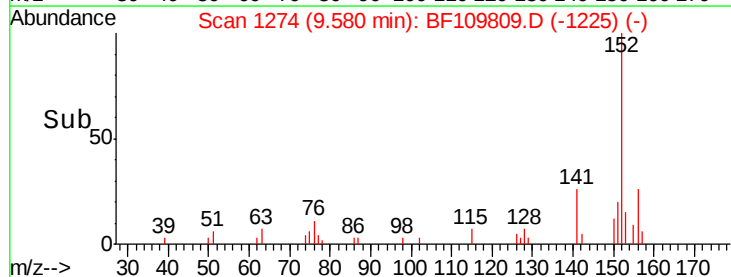


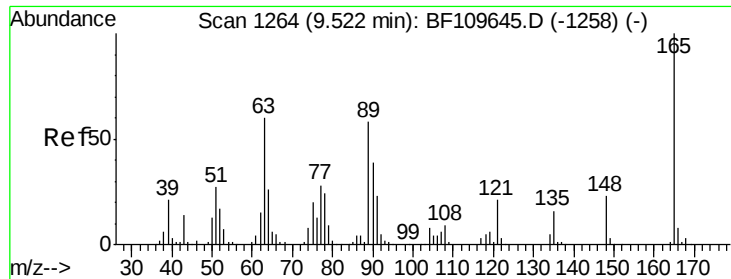
#48
Acenaphthylene
Concen: 2.026 ng
RT: 9.58 min Scan# 1274
Delta R.T. -0.01 min
Lab File: BF109809.D
Acq: 12 Oct 2018 1:45

Tgt Ion	Ratio	Lower	Upper
152	100		
151	19.7	15.8	23.8
153	15.5	10.4	15.6



Abundance Ion 152.00 (151.70 to 152.70): E
Ion 151.00 (150.70 to 151.70): E
Ion 153.00 (152.70 to 153.70): E

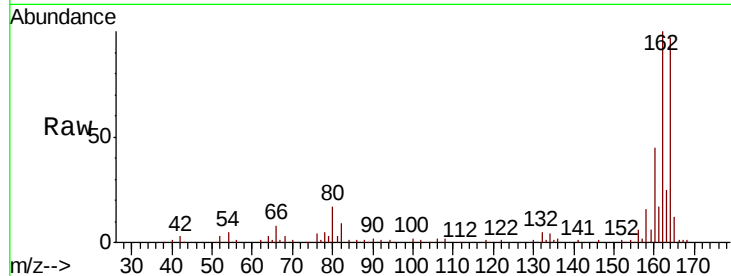




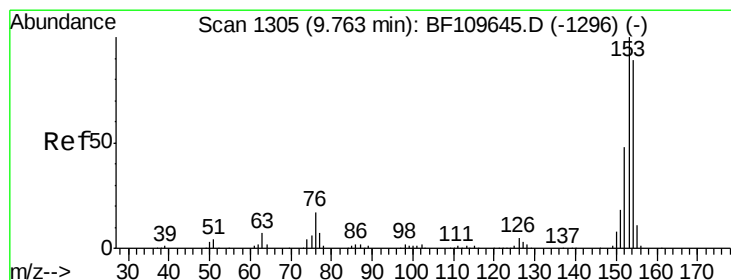
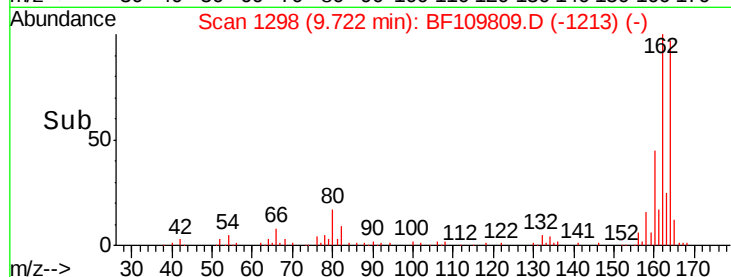
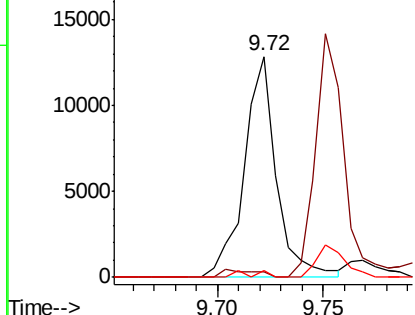
#50
 2,6-Dinitrotoluene
 Concen: 9.314 ng
 RT: 9.72 min Scan# 1298
 Delta R.T. 0.20 min
 Lab File: BF109809.D
 Acq: 12 Oct 2018 1:45

Instrument :
 BNA_F
 ClientSampleId :
 DOCUMENTATION-23

Tgt Ion	Ratio	Lower	Upper
165	100		
63	2.5	48.9	73.3#
89	3.1	46.6	69.8#

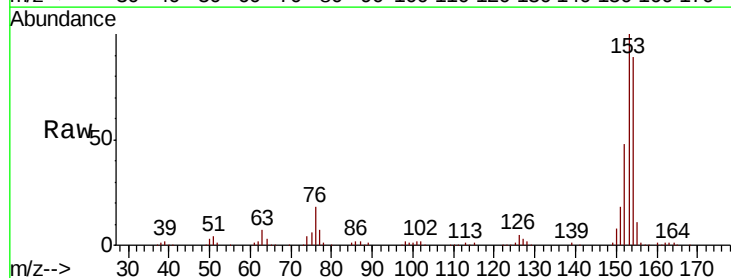


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF1
 Ion 89.00 (88.70 to 89.70): BF1

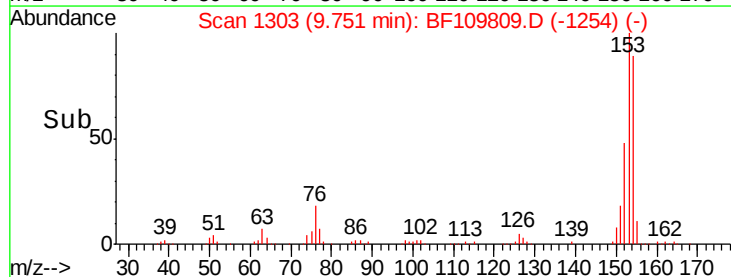
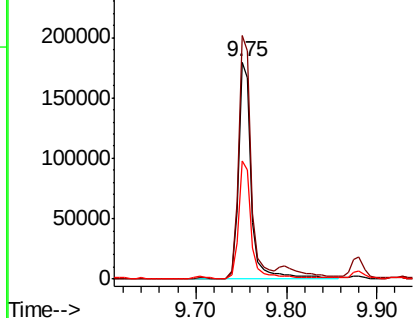


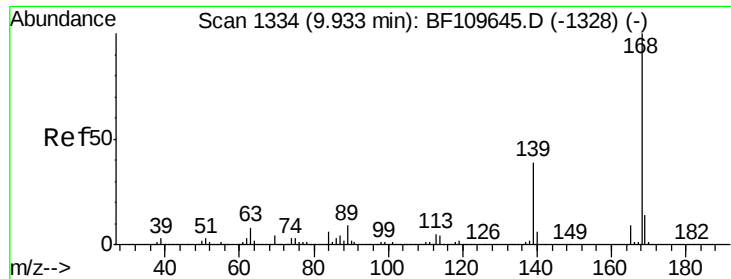
#51
 Acenaphthene
 Concen: 34.342 ng
 RT: 9.75 min Scan# 1303
 Delta R.T. -0.01 min
 Lab File: BF109809.D
 Acq: 12 Oct 2018 1:45

Tgt Ion	Ratio	Lower	Upper
154	100		
153	112.0	90.1	135.1
152	54.2	43.4	65.2



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

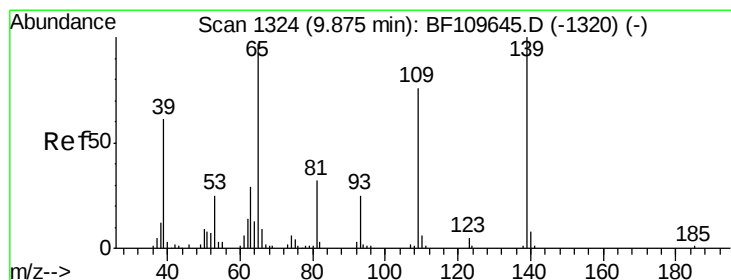
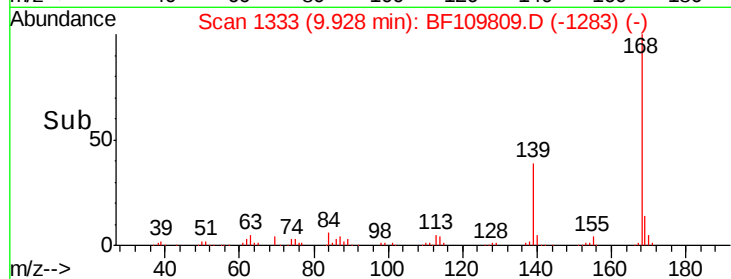
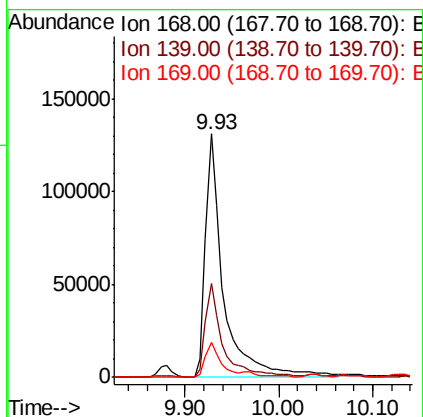
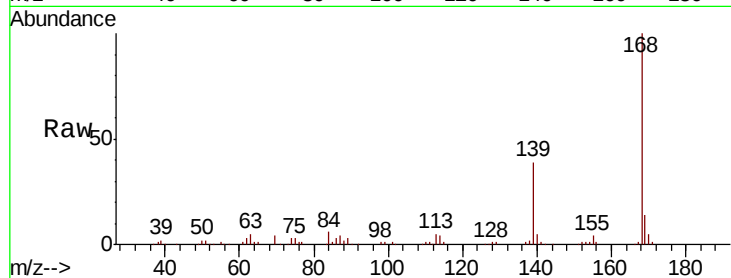




#54
Dibenzenofuran
Concen: 21.837 ng
RT: 9.93 min Scan# 1333
Delta R.T. -0.01 min
Lab File: BF109809.D
Acq: 12 Oct 2018 1:45

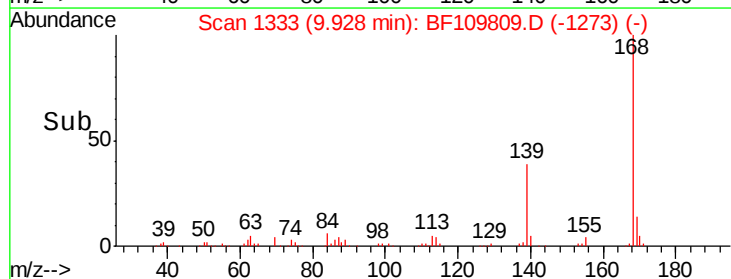
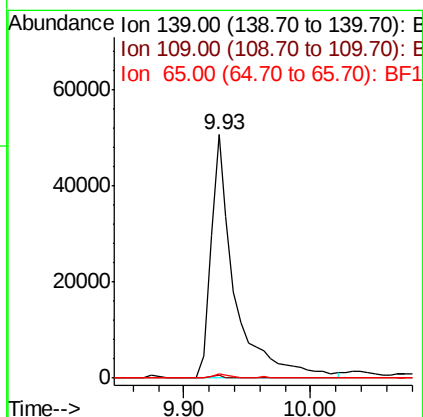
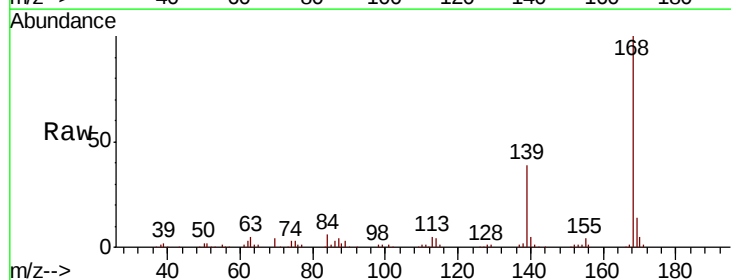
Instrument :
BNA_F
ClientSampleId :
DOCUMENTATION-23

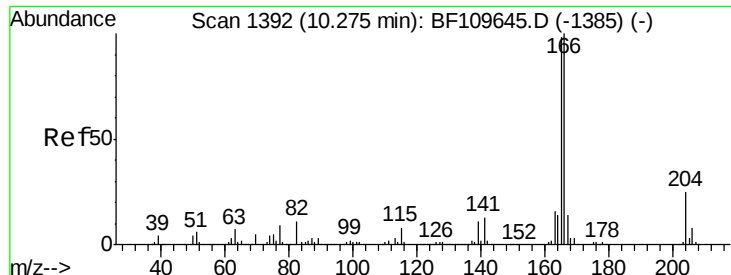
Tgt Ion:168 Resp: 174488
Ion Ratio Lower Upper
168 100
139 38.6 33.0 49.6
169 14.3 11.3 16.9



#55
4-Nitrophenol
Concen: 73.758 ng
RT: 9.93 min Scan# 1333
Delta R.T. 0.05 min
Lab File: BF109809.D
Acq: 12 Oct 2018 1:45

Tgt Ion:139 Resp: 66306
Ion Ratio Lower Upper
139 100
109 1.0 55.8 95.8#
65 1.8 77.9 117.9#

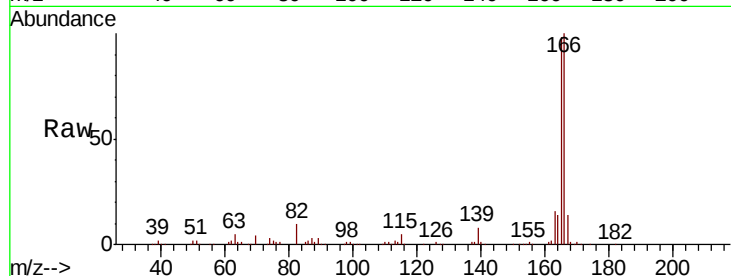




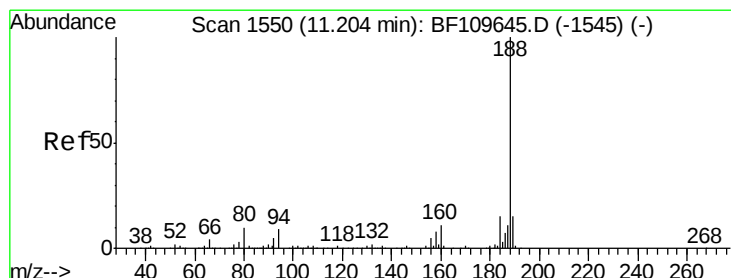
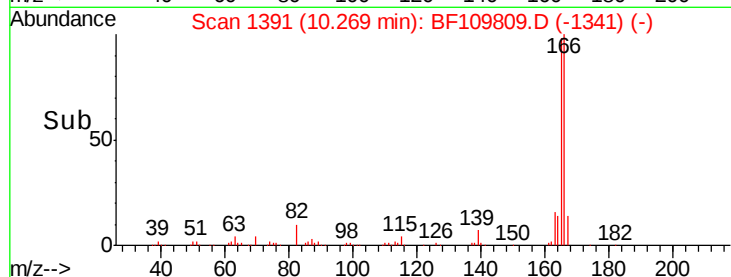
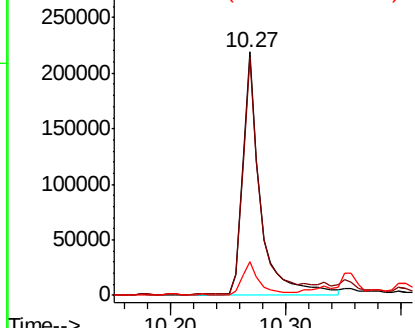
#57
 Fluorene
 Concen: 39.196 ng
 RT: 10.27 min Scan# 1391
 Delta R.T. -0.01 min
 Lab File: BF109809.D
 Acq: 12 Oct 2018 1:45

Instrument :
 BNA_F
 ClientSampleId :
 DOCUMENTATION-23

Tgt Ion:166 Resp: 233889
 Ion Ratio Lower Upper
 166 100
 165 98.1 78.6 117.8
 167 13.8 10.8 16.2

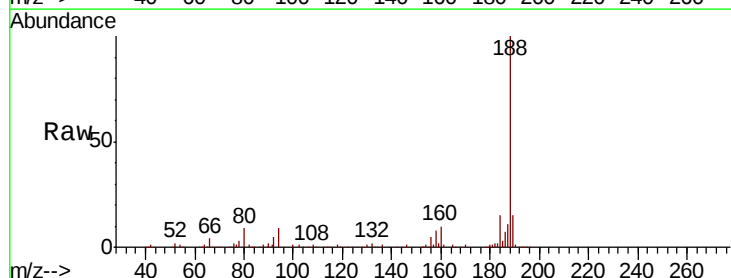


Abundance Ion 166.00 (165.70 to 166.70): E
 Ion 165.00 (164.70 to 165.70): E
 Ion 167.00 (166.70 to 167.70): E

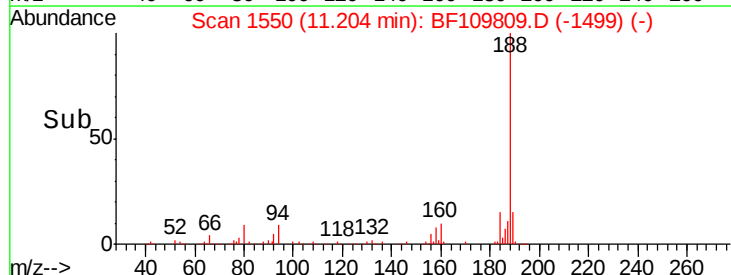
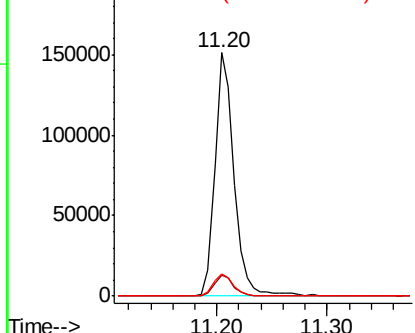


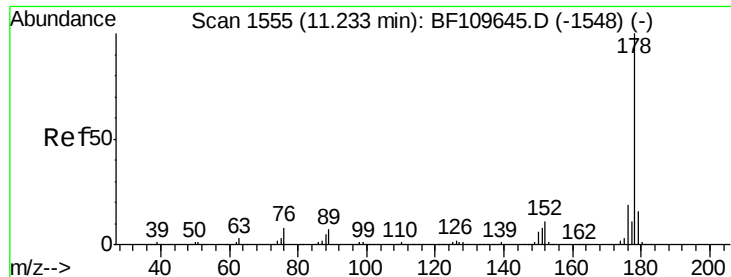
#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.20 min Scan# 1550
 Delta R.T. -0.00 min
 Lab File: BF109809.D
 Acq: 12 Oct 2018 1:45

Tgt Ion:188 Resp: 180359
 Ion Ratio Lower Upper
 188 100
 94 8.6 7.2 10.8
 80 9.2 7.9 11.9



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





#70

Phenanthrene

Concen: 226.015 ng

RT: 11.24 min Scan# 1556

Delta R.T. 0.01 min

Lab File: BF109809.D

Acq: 12 Oct 2018 1:45

Instrument :

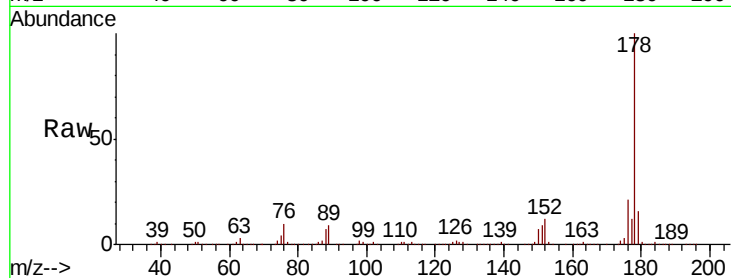
BNA_F

ClientSampleId :

DOCUMENTATION-23

Tgt Ion:178 Resp: 2039980

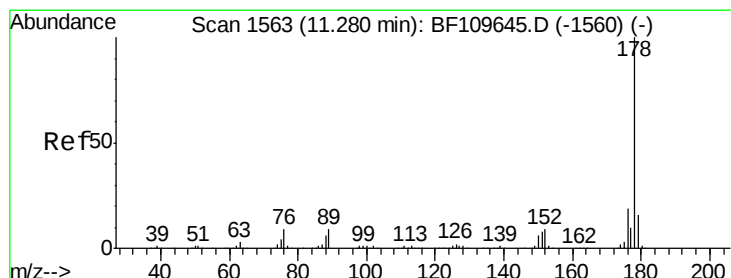
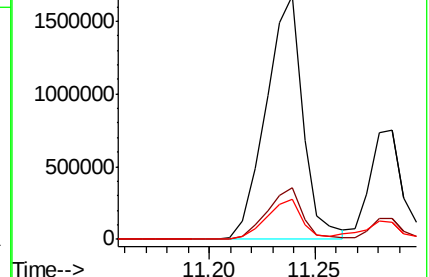
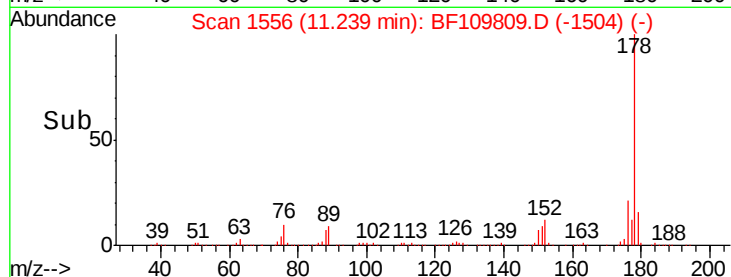
Ion	Ratio	Lower	Upper
178	100		
176	21.2	15.5	23.3
179	16.3	12.5	18.7



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#71

Anthracene

Concen: 96.333 ng

RT: 11.29 min Scan# 1564

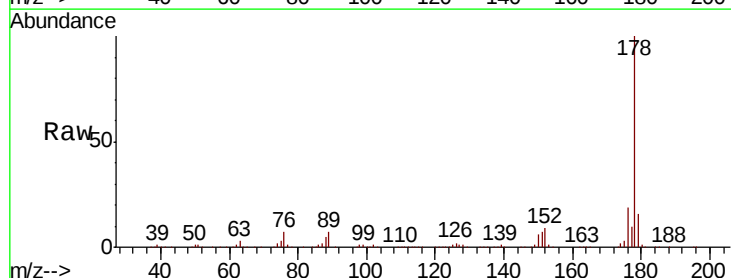
Delta R.T. 0.01 min

Lab File: BF109809.D

Acq: 12 Oct 2018 1:45

Tgt Ion:178 Resp: 898811

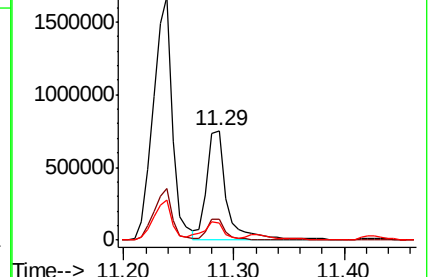
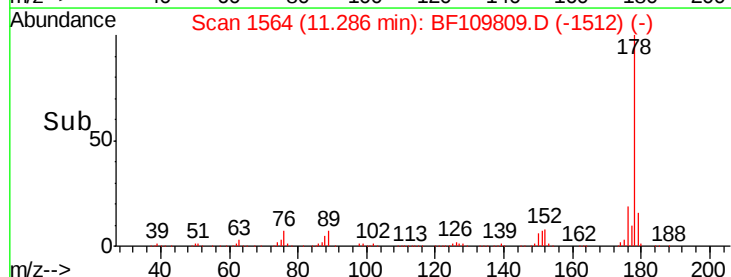
Ion	Ratio	Lower	Upper
178	100		
176	19.2	15.4	23.2
179	15.6	12.6	18.8

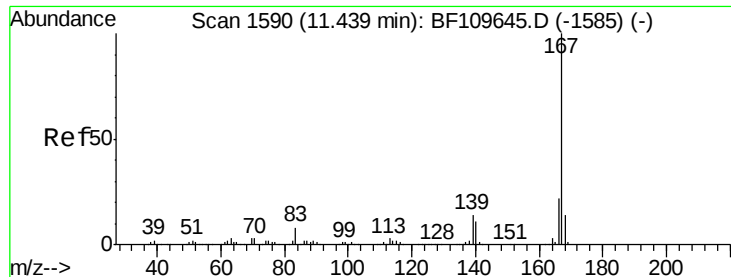


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#72

Carbazole

Concen: 33.613 ng

RT: 11.44 min Scan# 1590

Delta R.T. -0.00 min

Lab File: BF109809.D

Acq: 12 Oct 2018 1:45

Instrument :

BNA_F

ClientSampleId :

DOCUMENTATION-23

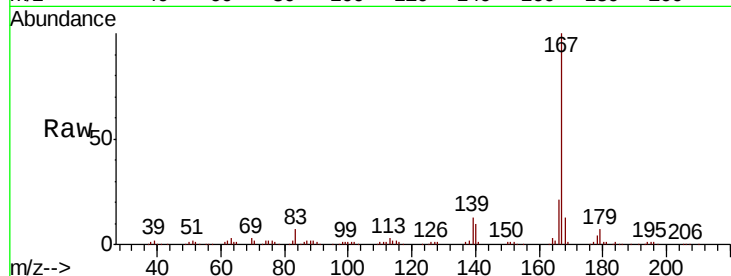
Tgt Ion:167 Resp: 304171

Ion Ratio Lower Upper

167 100

166 20.9 17.4 26.0

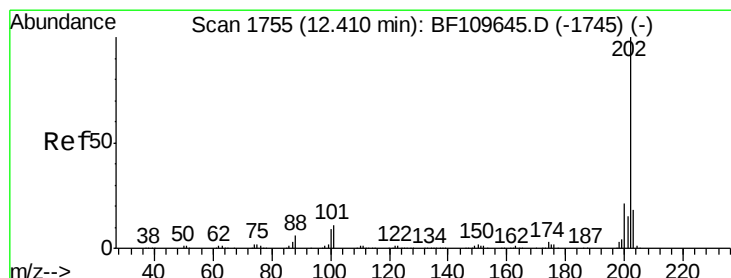
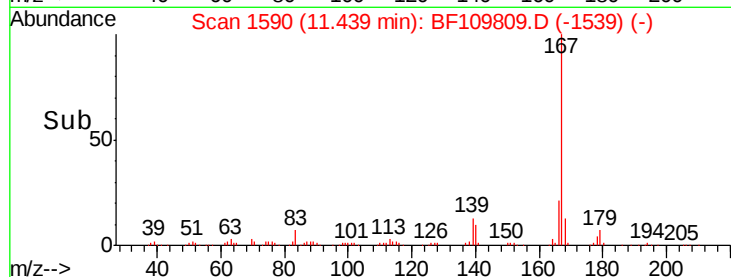
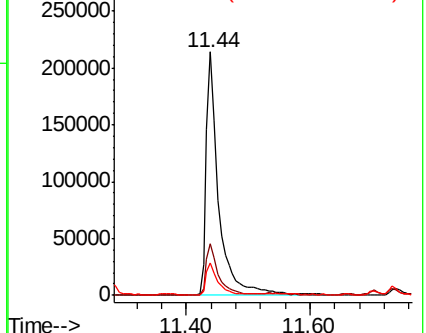
139 13.1 10.9 16.3



Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E



#74

Fluoranthene

Concen: 349.707 ng

RT: 12.43 min Scan# 1759

Delta R.T. 0.02 min

Lab File: BF109809.D

Acq: 12 Oct 2018 1:45

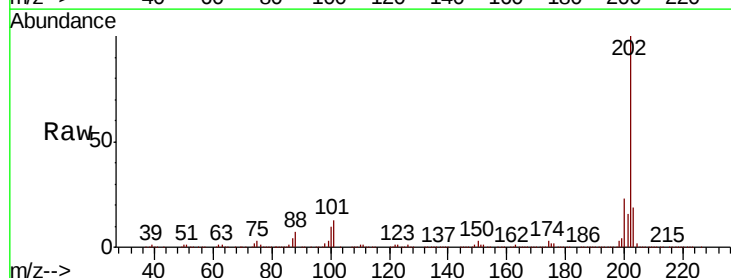
Tgt Ion:202 Resp: 3297458

Ion Ratio Lower Upper

202 100

101 13.0 0.0 31.4

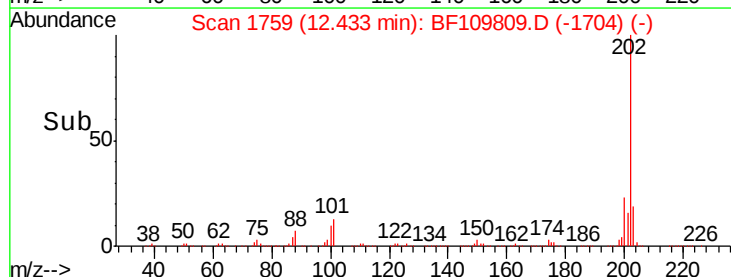
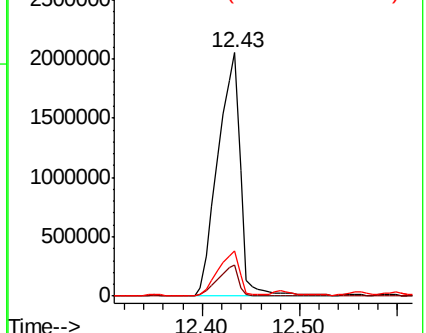
203 18.8 0.0 37.7

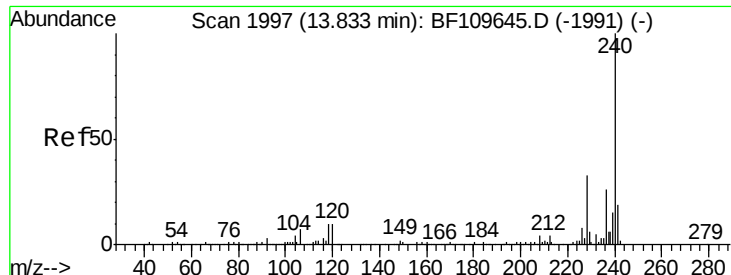


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#75

Chrysene-d12

Concen: 20.000 ng

RT: 13.84 min Scan# 1999

Delta R.T. 0.01 min

Lab File: BF109809.D

Acq: 12 Oct 2018 1:45

Instrument :

BNA_F

ClientSampleId :

DOCUMENTATION-23

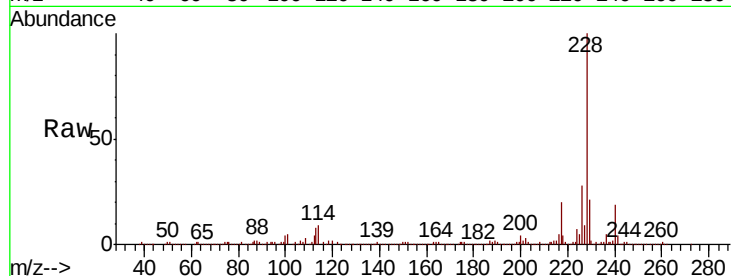
Tgt Ion:240 Resp: 154788

Ion Ratio Lower Upper

240 100

120 11.6 8.3 12.5

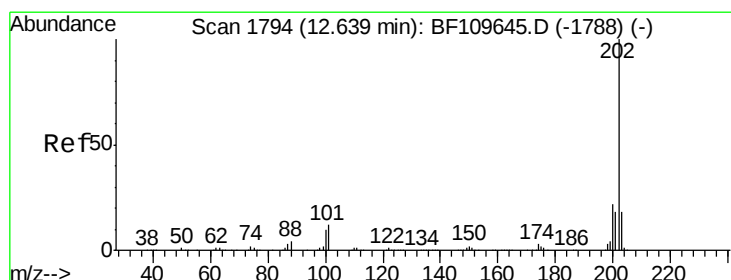
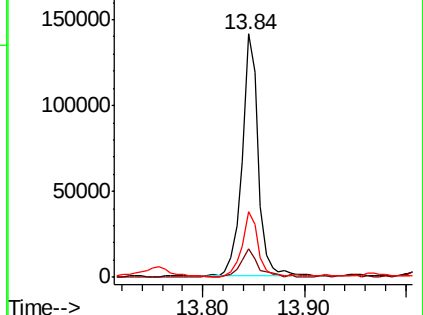
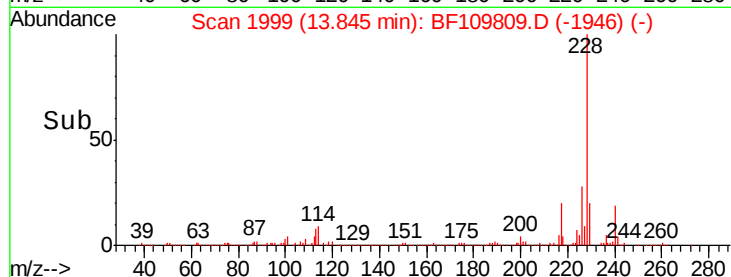
236 27.0 21.2 31.8



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



#77

Pyrene

Concen: 248.436 ng

RT: 12.66 min Scan# 1797

Delta R.T. 0.02 min

Lab File: BF109809.D

Acq: 12 Oct 2018 1:45

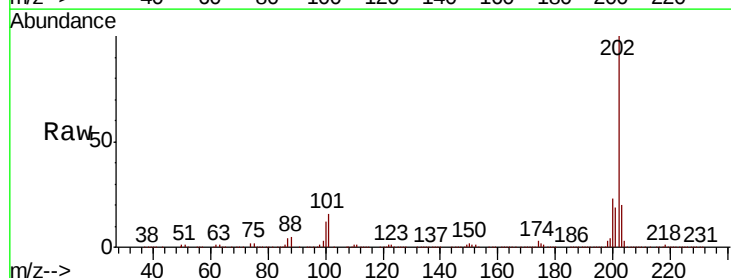
Tgt Ion:202 Resp: 2817459

Ion Ratio Lower Upper

202 100

200 23.1 17.8 26.6

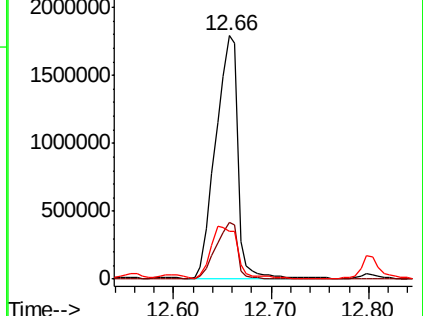
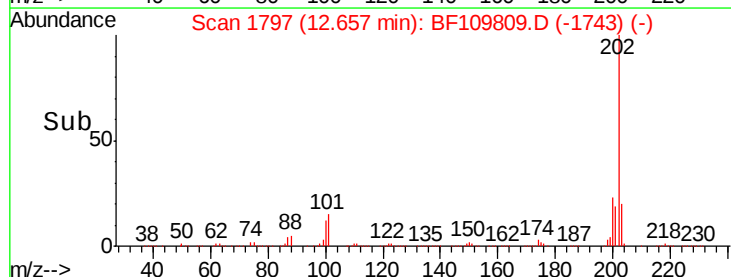
203 19.8 14.2 21.4

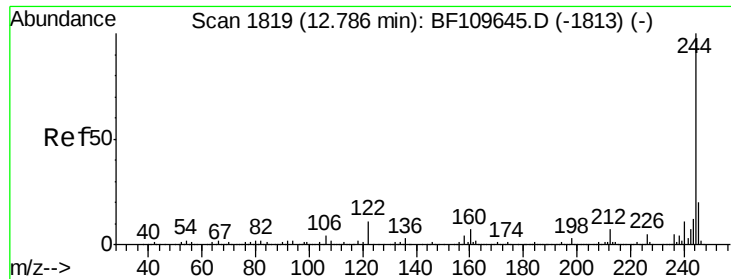


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

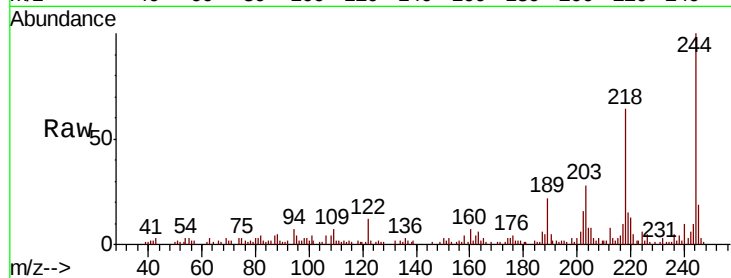




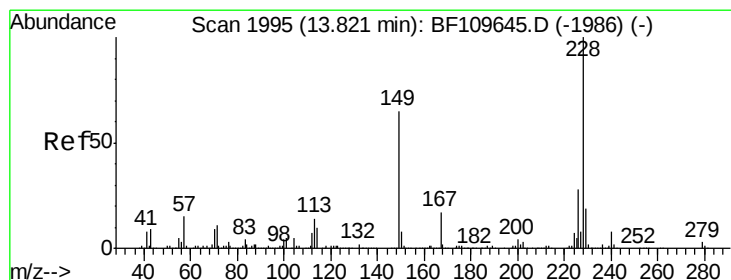
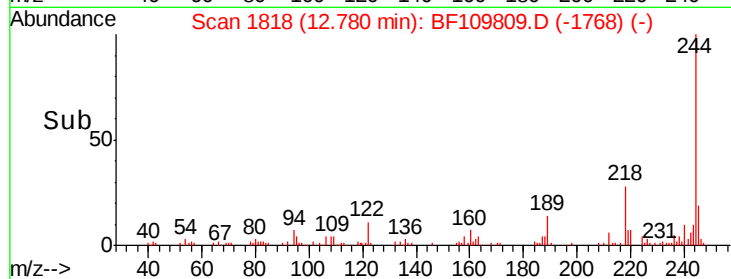
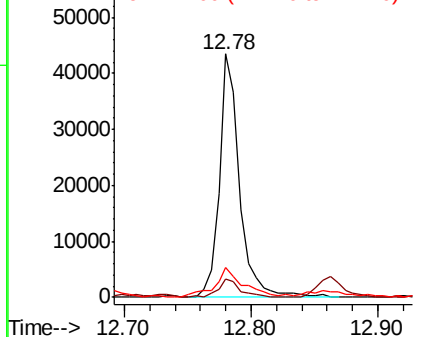
#78
 Terphenyl-d14
 Concen: 6.066 ng
 RT: 12.78 min Scan# 1818
 Delta R.T. -0.01 min
 Lab File: BF109809.D
 Acq: 12 Oct 2018 1:45

Instrument :
 BNA_F
 ClientSampleId :
 DOCUMENTATION-23

Tgt Ion: 244 Resp: 48503
 Ion Ratio Lower Upper
 244 100
 212 7.6 5.8 8.8
 122 12.4 8.7 13.1

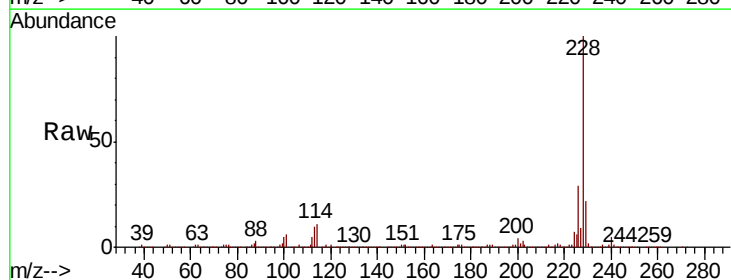


Abundance Ion 244.00 (243.70 to 244.70): E
 Ion 212.00 (211.70 to 212.70): E
 Ion 122.00 (121.70 to 122.70): E

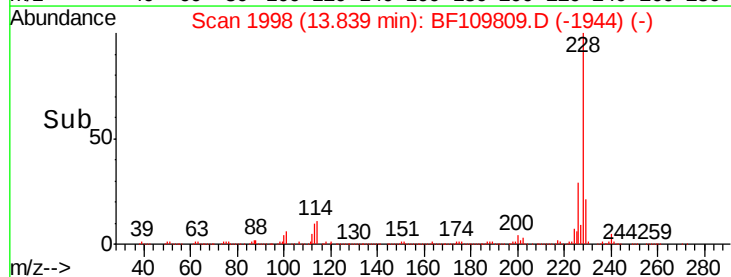
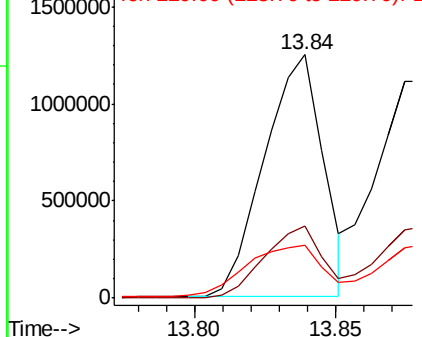


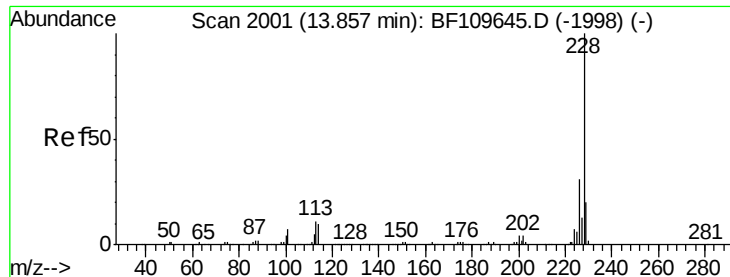
#80
 Benzo(a)anthracene
 Concen: 211.599 ng
 RT: 13.84 min Scan# 1998
 Delta R.T. 0.02 min
 Lab File: BF109809.D
 Acq: 12 Oct 2018 1:45

Tgt Ion: 228 Resp: 1807443
 Ion Ratio Lower Upper
 228 100
 226 29.4 22.1 33.1
 229 21.7 15.6 23.4



Abundance Ion 228.00 (227.70 to 228.70): E
 Ion 226.00 (225.70 to 226.70): E
 Ion 229.00 (228.70 to 229.70): E





#82

Chrysene

Concen: 157.579 ng

RT: 13.88 min Scan# 2005

Delta R.T. 0.02 min

Lab File: BF109809.D

Acq: 12 Oct 2018 1:45

Instrument :

BNA_F

ClientSampleId :

DOCUMENTATION-23

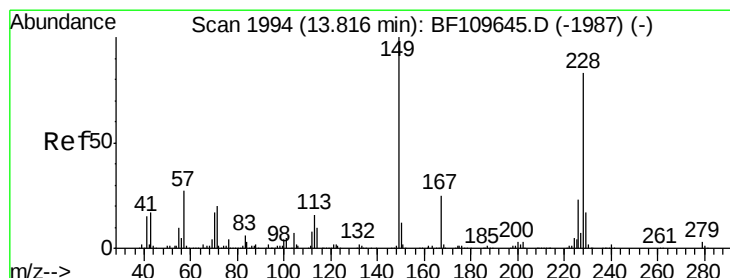
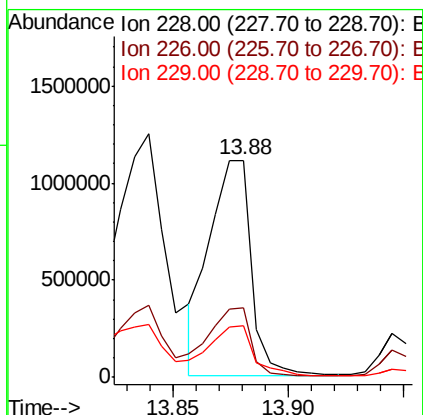
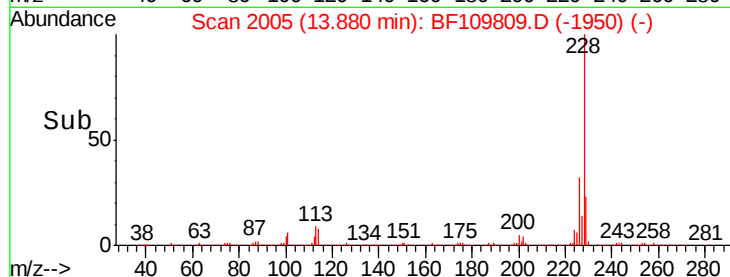
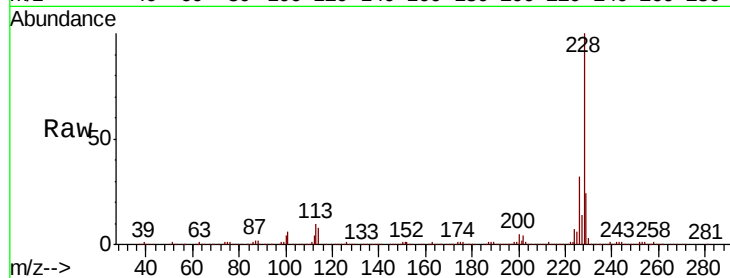
Tgt Ion:228 Resp: 1413826

Ion Ratio Lower Upper

228 100

226 32.2 24.7 37.1

229 23.6 15.9 23.9



#83

Bis(2-ethylhexyl)phthalate

Concen: 3.684 ng

RT: 13.82 min Scan# 1994

Delta R.T. -0.00 min

Lab File: BF109809.D

Acq: 12 Oct 2018 1:45

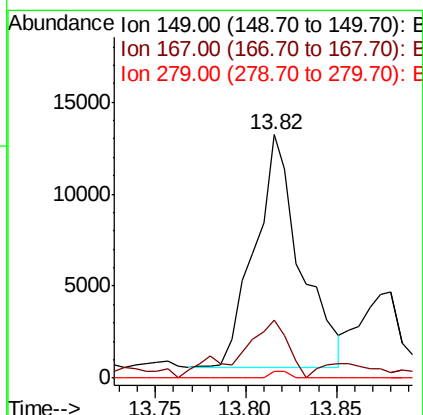
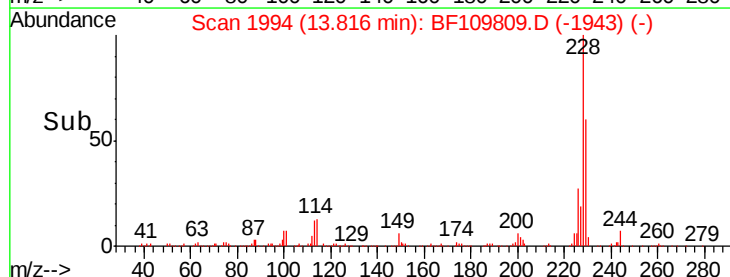
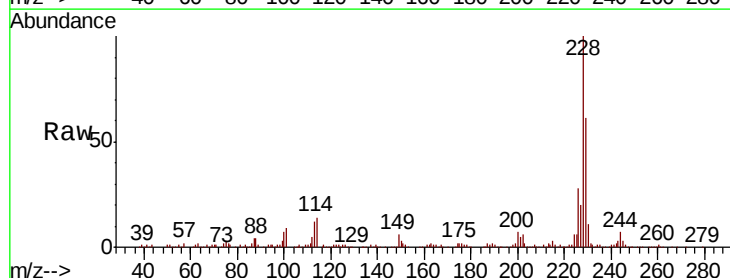
Tgt Ion:149 Resp: 22099

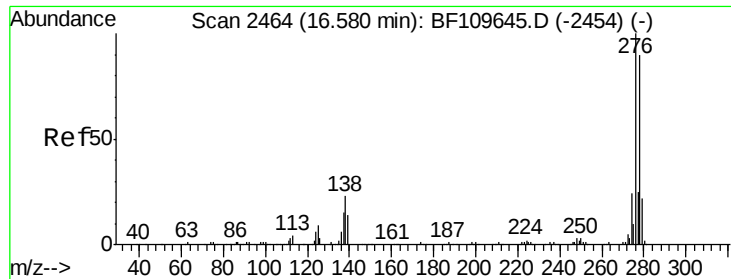
Ion Ratio Lower Upper

149 100

167 23.7 19.8 29.8

279 2.7 2.7 4.1#





#85

Indeno(1,2,3-cd)pyrene

Concen: 86.396 ng

RT: 16.61 min Scan# 2469

Delta R.T. 0.03 min

Lab File: BF109809.D

Acq: 12 Oct 2018 1:45

Instrument :

BNA_F

ClientSampleId :

DOCUMENTATION-23

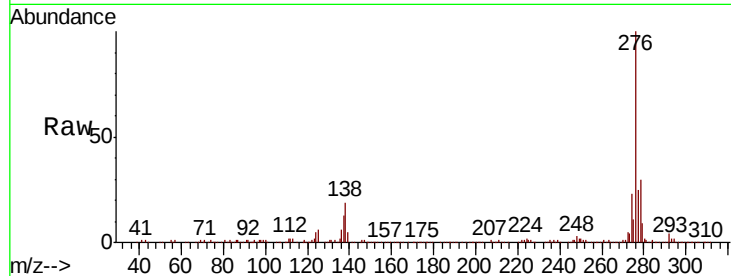
Tgt Ion:276 Resp: 554833

Ion Ratio Lower Upper

276 100

138 18.4 18.5 27.7#

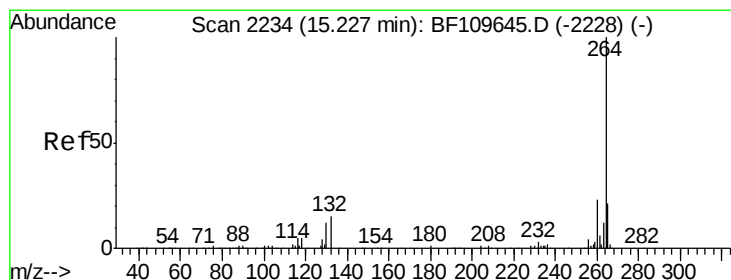
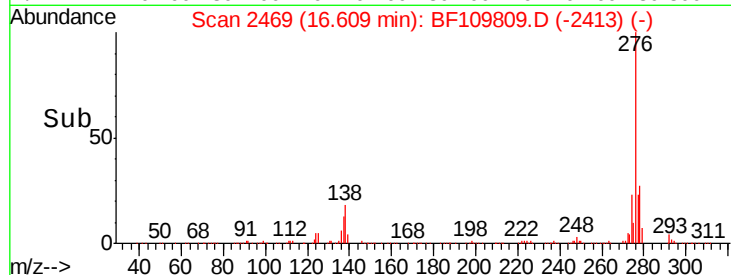
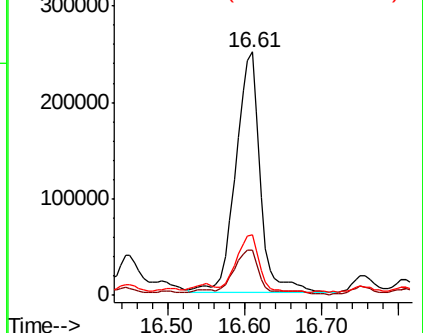
277 22.6 20.0 30.0



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.24 min Scan# 2237

Delta R.T. 0.02 min

Lab File: BF109809.D

Acq: 12 Oct 2018 1:45

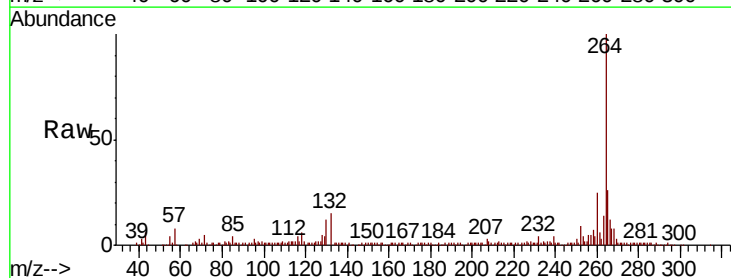
Tgt Ion:264 Resp: 136217

Ion Ratio Lower Upper

264 100

260 24.8 18.7 28.1

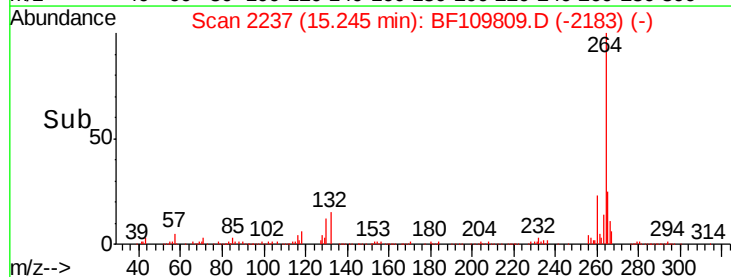
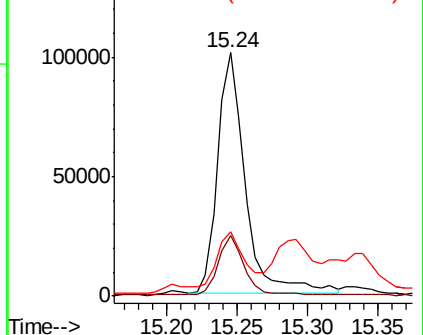
265 26.5 16.7 25.1#

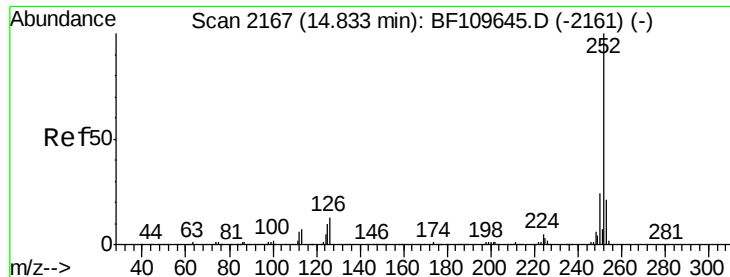


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

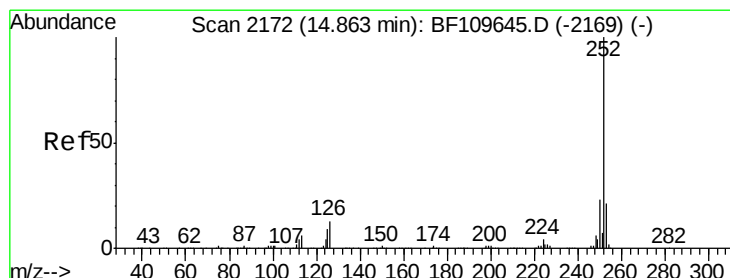
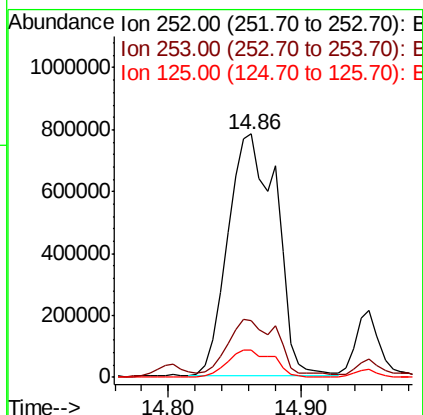
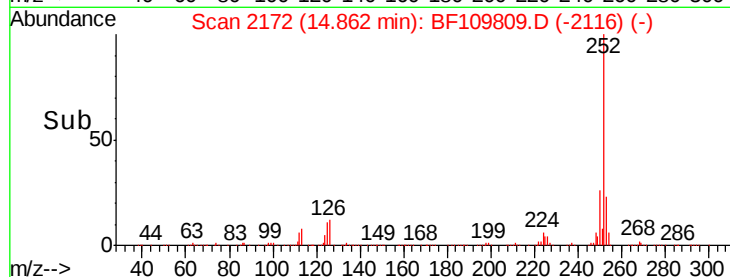
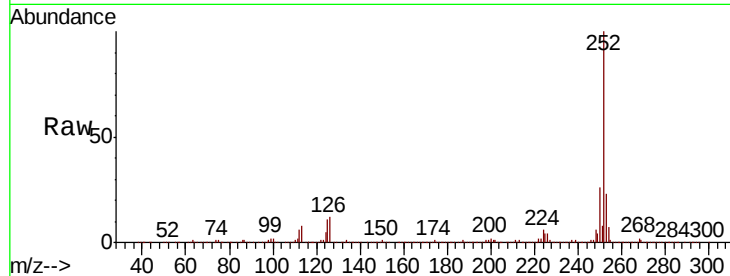




#87
Benzo(b)fluoranthene
Concen: 262.496 ng
RT: 14.86 min Scan# 2172
Delta R.T. 0.03 min
Lab File: BF109809.D
Acq: 12 Oct 2018 1:45

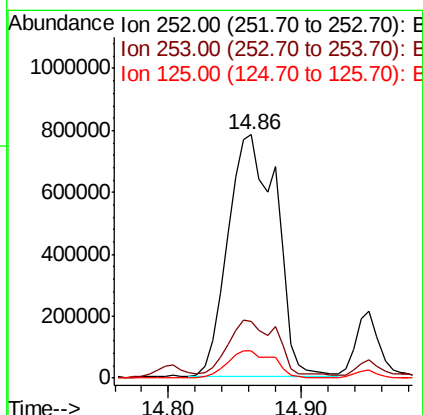
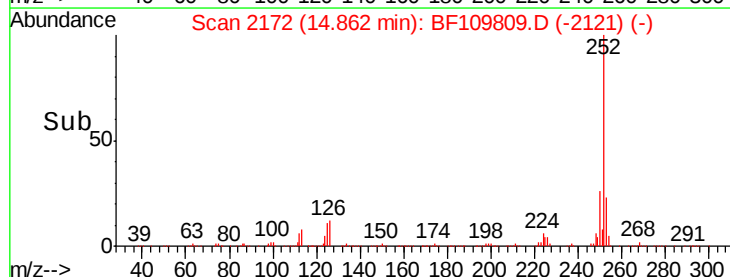
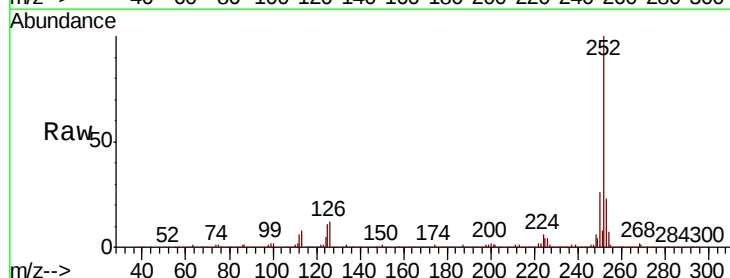
Instrument :
BNA_F
ClientSampleId :
DOCUMENTATION-23

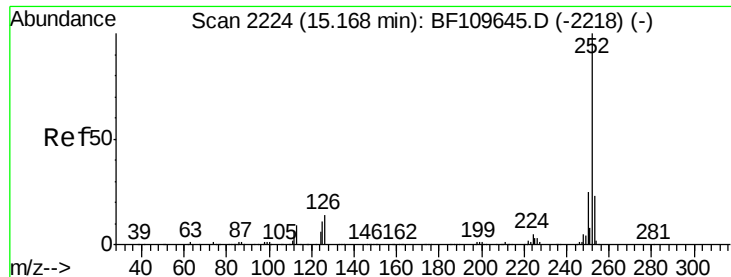
Tgt Ion:252 Resp: 1975965
Ion Ratio Lower Upper
252 100
253 23.4 17.2 25.8
125 11.0 8.2 12.4



#88
Benzo(k)fluoranthene
Concen: 261.254 ng
RT: 14.86 min Scan# 2172
Delta R.T. -0.00 min
Lab File: BF109809.D
Acq: 12 Oct 2018 1:45

Tgt Ion:252 Resp: 1975965
Ion Ratio Lower Upper
252 100
253 23.4 17.2 25.8
125 11.0 7.4 11.0#





#89

Benzo(a)pyrene

Concen: 149.493 ng

RT: 15.20 min Scan# 2229

Delta R.T. 0.03 min

Lab File: BF109809.D

Acq: 12 Oct 2018 1:45

Instrument :

BNA_F

ClientSampleId :

DOCUMENTATION-23

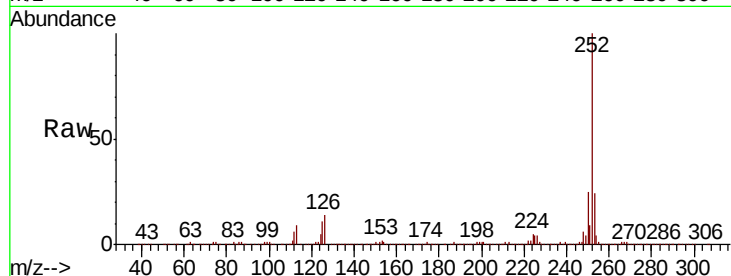
Tgt Ion:252 Resp: 1021203

Ion Ratio Lower Upper

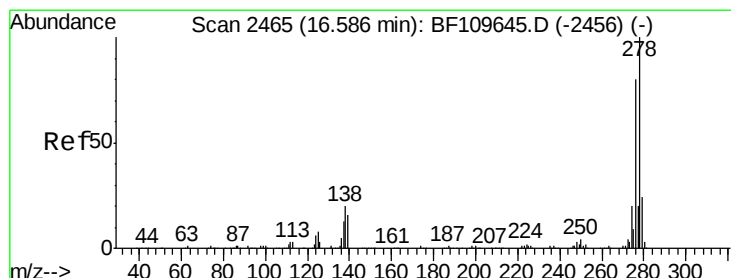
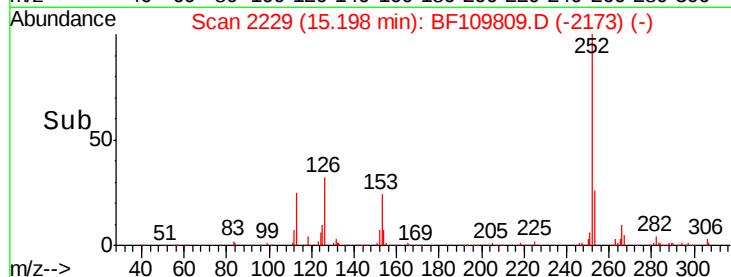
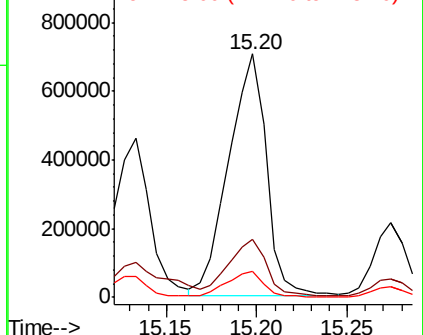
252 100

253 23.9 18.2 27.4

125 10.7 9.0 13.6



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

Dibenzo(a,h)anthracene

Concen: 27.948 ng

RT: 16.61 min Scan# 2469

Delta R.T. 0.02 min

Lab File: BF109809.D

Acq: 12 Oct 2018 1:45

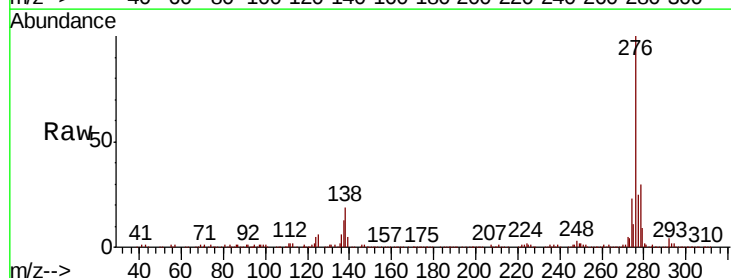
Tgt Ion:278 Resp: 156797

Ion Ratio Lower Upper

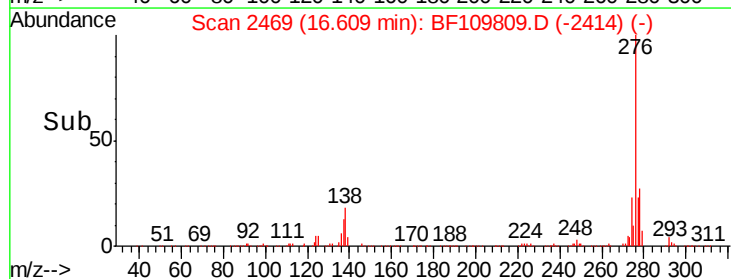
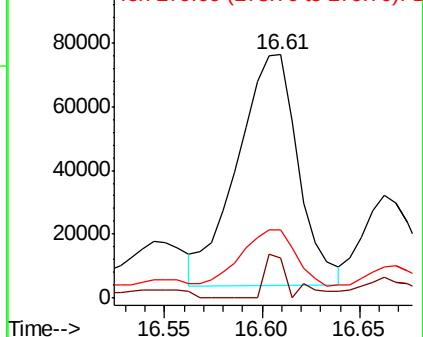
278 100

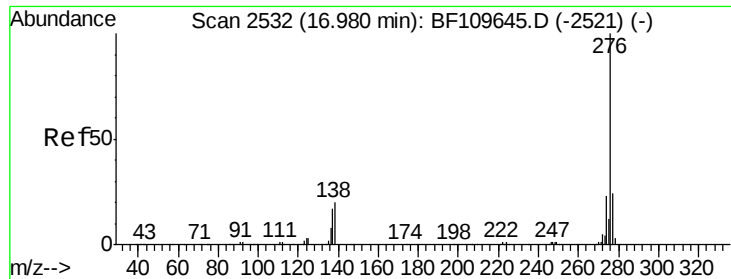
139 16.6 12.7 19.1

279 28.2 19.0 28.4



Abundance Ion 278.00 (277.70 to 278.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 279.00 (278.70 to 279.70): E





#91

Benzo(g,h,i)perylene

Concen: 83.540 ng

RT: 17.02 min Scan# 2538

Delta R.T. 0.04 min

Lab File: BF109809.D

Acq: 12 Oct 2018 1:45

Instrument :

BNA_F

ClientSampleId :

DOCUMENTATION-23

Tgt Ion: 276 Resp: 468018

Ion Ratio Lower Upper

276 100

277 24.3 18.8 28.2

138 19.0 16.0 24.0

