

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF111918\
 Data File : BF110854.D
 Acq On : 19 Nov 2018 15:45
 Operator : JU/SJ
 Sample : J5574-01 2X
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Nov 19 16:21:03 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF110818.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Nov 13 12:43:10 2018
 Response via : Initial Calibration

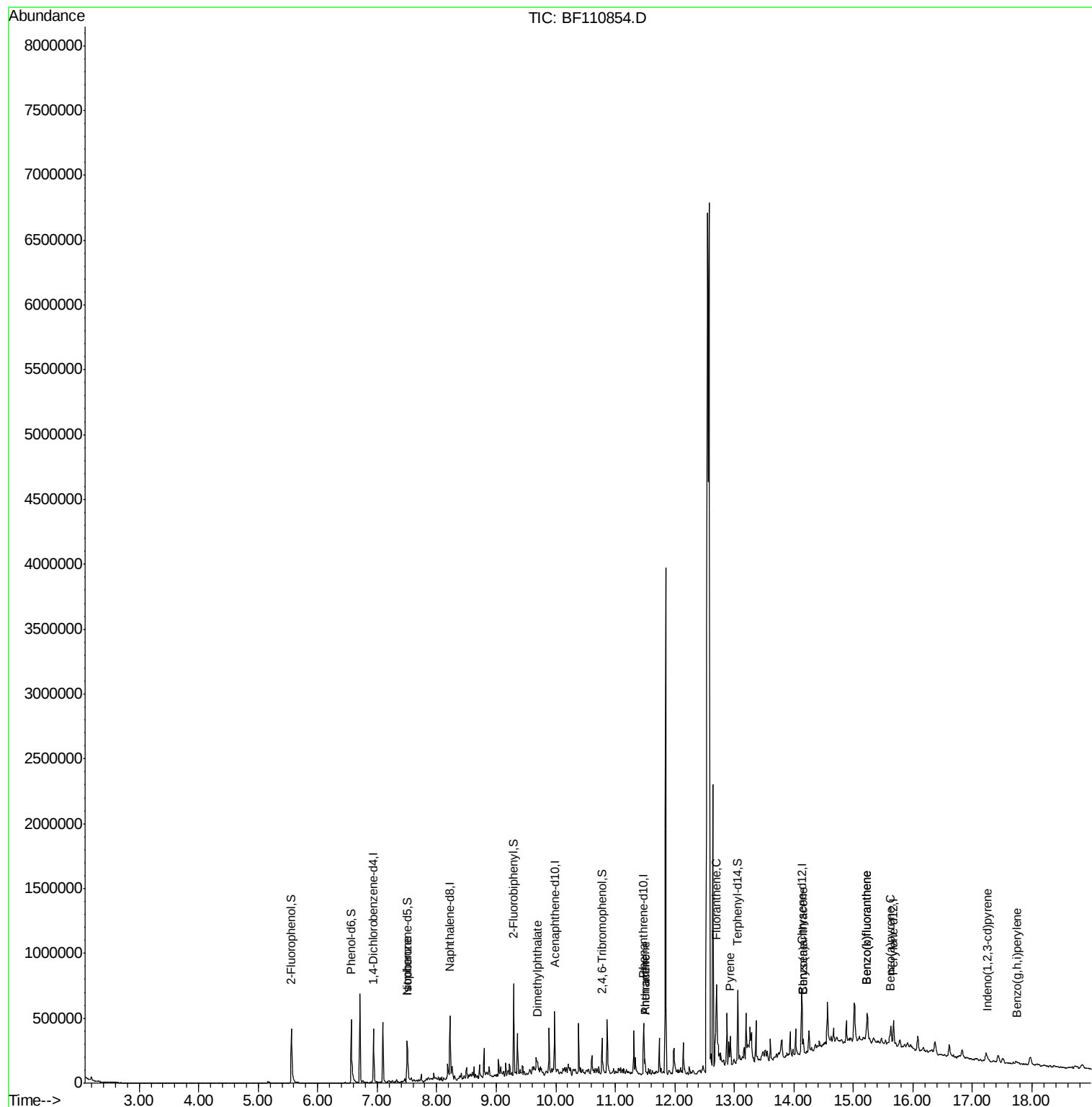
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.94	152	60955	20.00	ng	0.00
21) Naphthalene-d8	8.22	136	226735	20.00	ng	0.00
39) Acenaphthene-d10	9.98	164	87823	20.00	ng	-0.01
64) Phenanthrene-d10	11.47	188	140416	20.00	ng	-0.01
76) Chrysene-d12	14.13	240	149642	20.00	ng	0.00
87) Perylene-d12	15.67	264	100212	20.00	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.56	112	162987	43.43	ng	0.00
7) Phenol-d6	6.56	99	204336	42.58	ng	-0.01
23) Nitrobenzene-d5	7.50	82	121642	30.90	ng	-0.01
42) 2,4,6-Tribromophenol	10.78	330	33023	37.32	ng	0.00
45) 2-Fluorobiphenyl	9.29	172	205976	33.50	ng	-0.01
79) Terphenyl-d14	13.06	244	180630	22.61	ng	0.00
Target Compounds						
25) Isophorone	7.50	82	118932	18.431	ng	Qvalue # 67
50) Dimethylphthalate	9.69	163	16490	2.516	ng	98
71) Phenanthrene	11.50	178	36439	4.844	ng	98
72) Anthracene	11.50	178	36439	4.802	ng	98
75) Fluoranthene	12.70	202	74114	9.827	ng	98
78) Pyrene	12.93	202	79801	6.926	ng	98
81) Benzo(a)anthracene	14.16	228	42378	4.738	ng	92
83) Chrysene	14.16	228	42378	4.973	ng	96
86) Indeno(1,2,3-cd)pyrene	17.26	276	12414	2.030	ng	# 94
88) Benzo(b)fluoranthene	15.22	252	50264	8.384	ng	# 85
89) Benzo(k)fluoranthene	15.22	252	50264	8.485	ng	# 84
90) Benzo(a)pyrene	15.61	252	24877	4.567	ng	# 85
92) Benzo(a,h,i)perylene	17.74	276	13683	2.992	ng	92

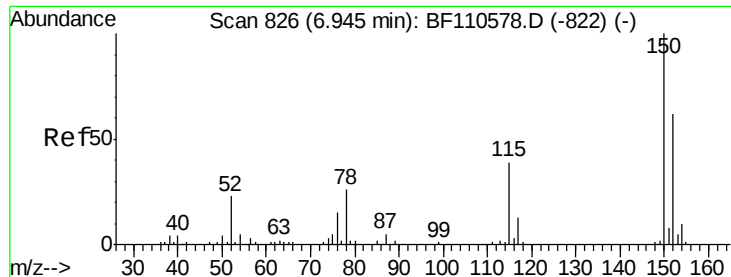
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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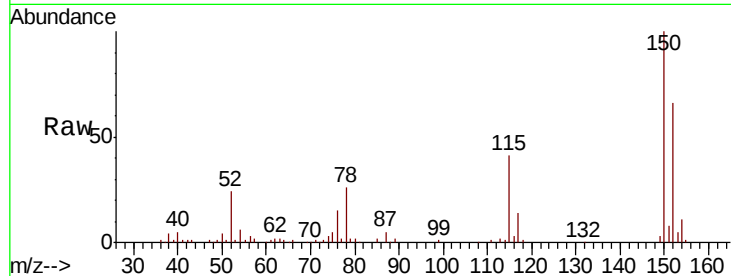




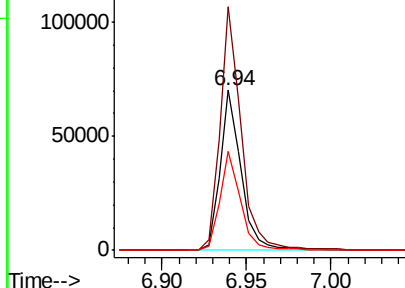
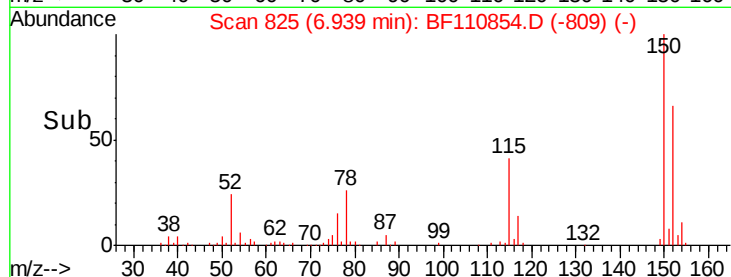
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.94 min Scan# 825
 Delta R.T. -0.01 min
 Lab File: BF110854.D
 Acq: 19 Nov 2018 15:45

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:152 Resp: 60955
 Ion Ratio Lower Upper
 152 100
 150 152.1 122.7 184.1
 115 62.1 49.1 73.7

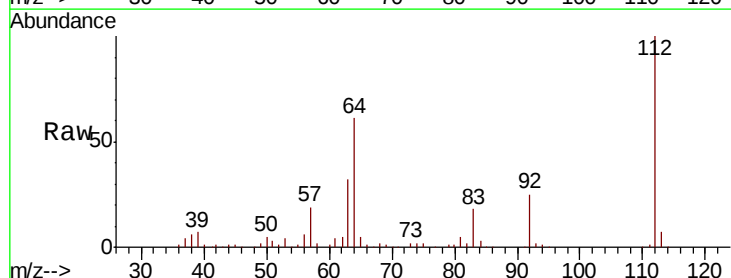


Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E

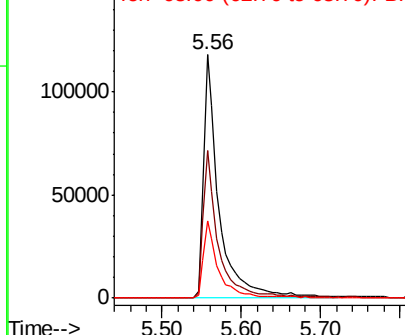
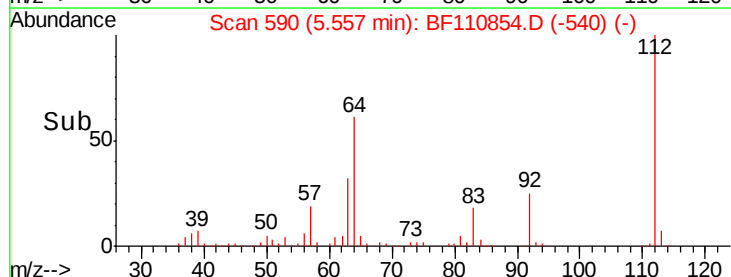


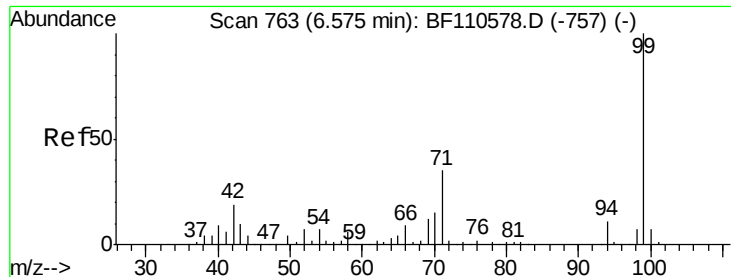
#5
 2-Fluorophenol
 Concen: 43.432 ng
 RT: 5.56 min Scan# 590
 Delta R.T. -0.01 min
 Lab File: BF110854.D
 Acq: 19 Nov 2018 15:45

Tgt Ion:112 Resp: 162987
 Ion Ratio Lower Upper
 112 100
 64 60.8 44.1 66.1
 63 31.8 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: 42.581 ng

RT: 6.56 min Scan# 761

Delta R.T. -0.01 min

Lab File: BF110854.D

Acq: 19 Nov 2018 15:45

Instrument :

BNA_F

ClientSampleId :

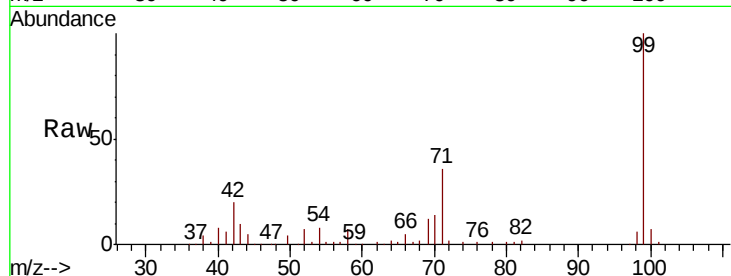
Tot Ion: 99 Resp: 204336

Ion Ratio Lower Upper

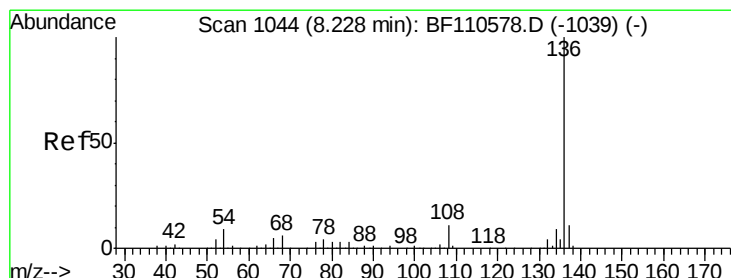
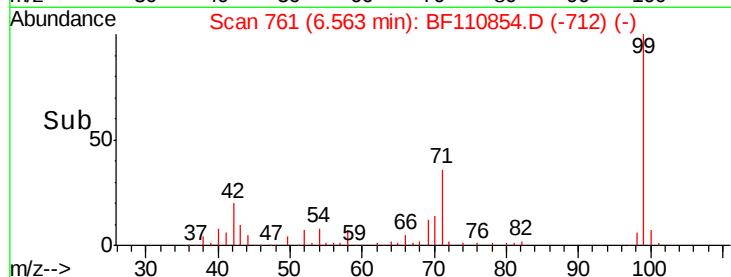
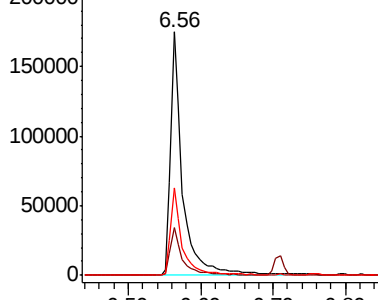
99 100

42 19.6 15.8 23.6

71 35.9 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: 8.22 min Scan# 1043

Delta R.T. -0.01 min

Lab File: BF110854.D

Acq: 19 Nov 2018 15:45

Tgt Ion: 136 Resp: 226735

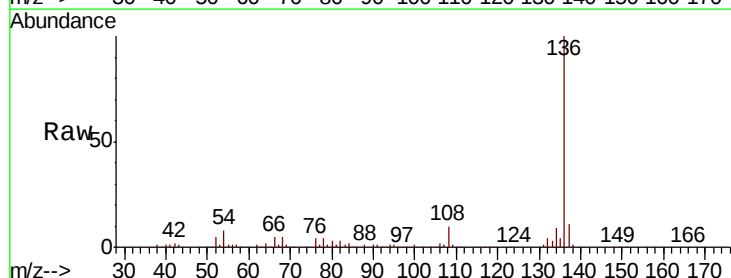
Ion Ratio Lower Upper

136 100

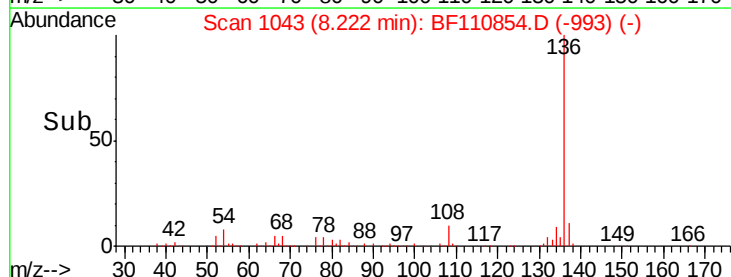
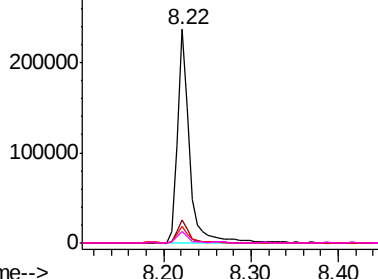
137 11.0 8.8 13.2

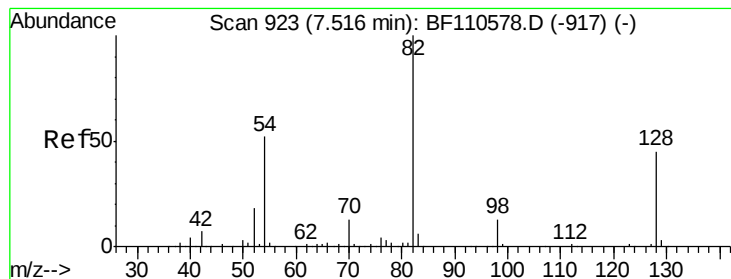
54 8.1 5.4 8.2

68 5.1 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: 30.896 ng

RT: 7.50 min Scan# 921

Delta R.T. -0.01 min

Lab File: BF110854.D

Acq: 19 Nov 2018 15:45

Instrument :

BNA_F

ClientSampled :

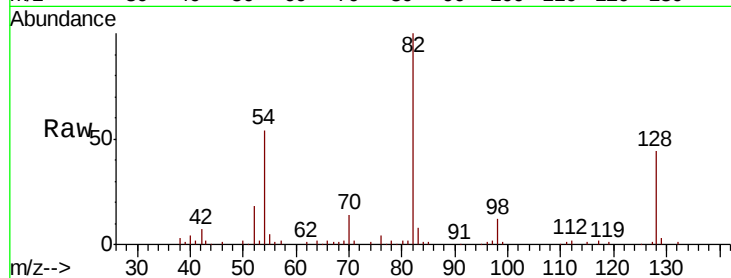
Tot Ion: 82 Resp: 121642

Ion Ratio Lower Upper

82 100

128 43.9 34.2 51.2

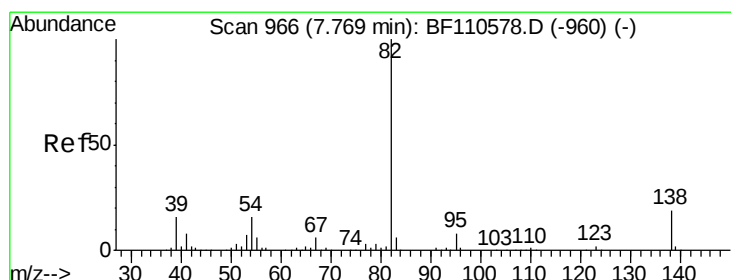
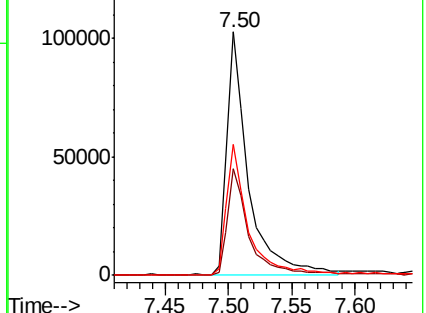
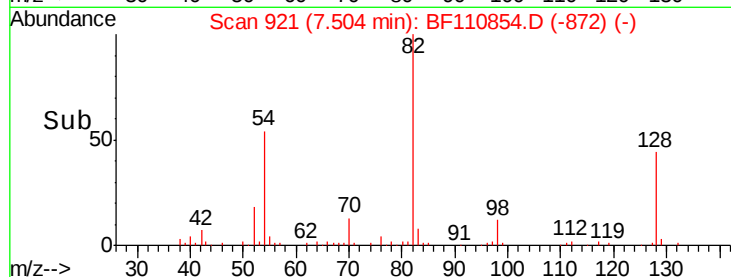
54 53.8 38.6 58.0



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: 18.431 ng

RT: 7.50 min Scan# 921

Delta R.T. -0.26 min

Lab File: BF110854.D

Acq: 19 Nov 2018 15:45

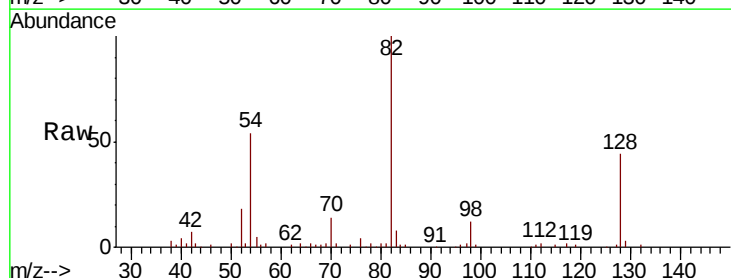
Tgt Ion: 82 Resp: 118932

Ion Ratio Lower Upper

82 100

95 0.4 5.7 8.5#

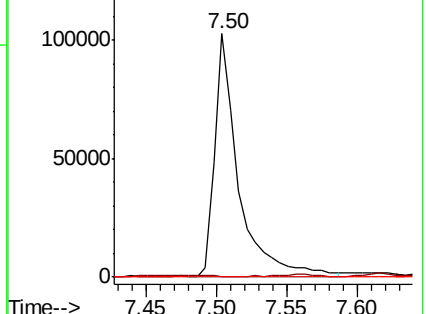
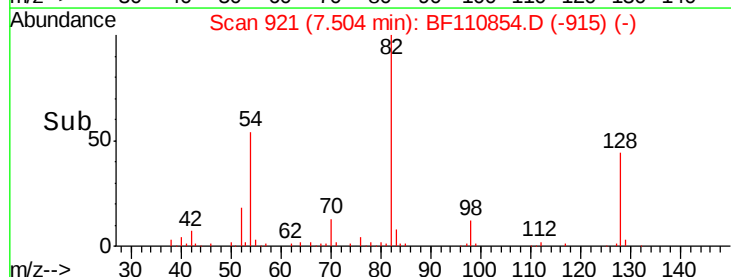
138 0.0 13.2 19.8#

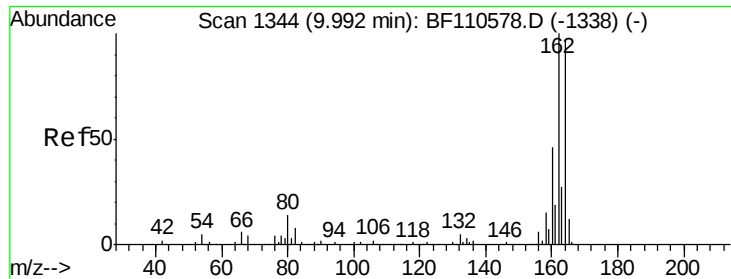


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 95.00 (94.70 to 95.70): BF1

Ion 138.00 (137.70 to 138.70): BF1

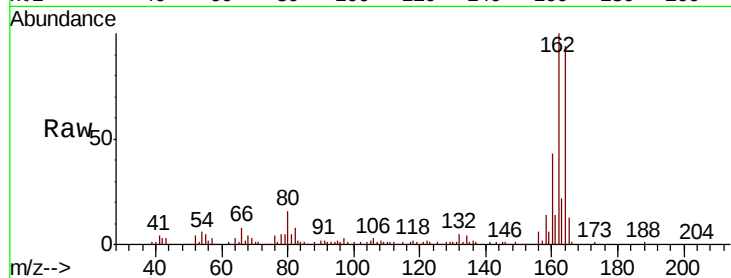




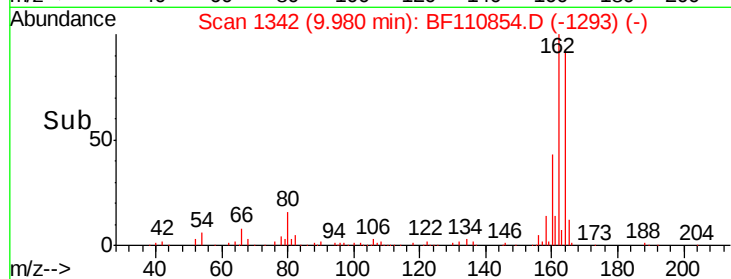
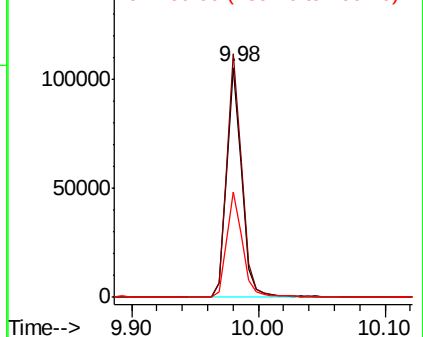
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.98 min Scan# 1342
Delta R.T. -0.01 min
Lab File: BF110854.D
Acq: 19 Nov 2018 15:45

Instrument :
BNA_F
ClientSampled :

Tot Ion:164 Resp: 87823
Ion Ratio Lower Upper
164 100
162 106.0 83.0 124.6
160 46.0 37.0 55.6

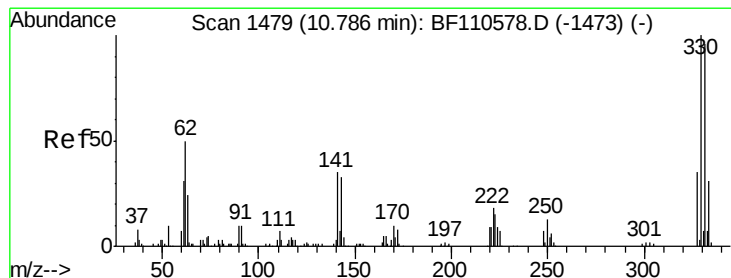


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

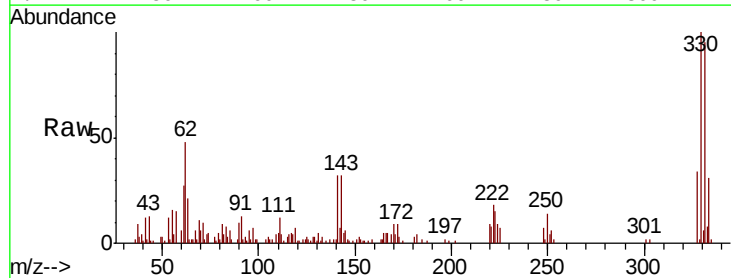
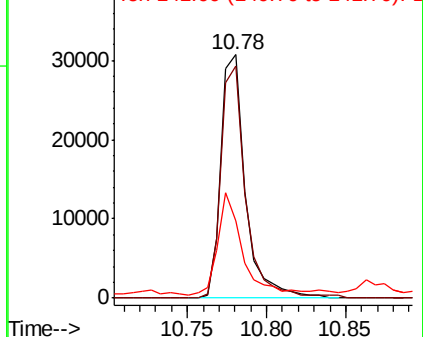


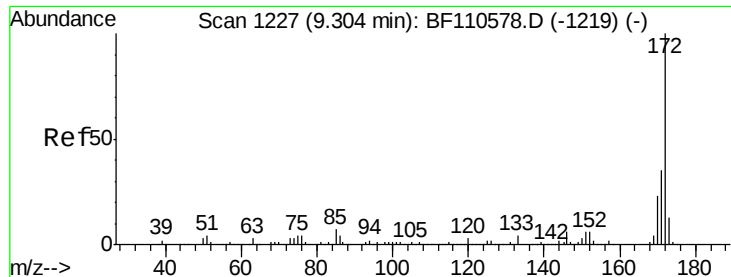
#42
2,4,6-Tribromophenol
Concen: 37.317 ng
RT: 10.78 min Scan# 1478
Delta R.T. -0.01 min
Lab File: BF110854.D
Acq: 19 Nov 2018 15:45

Tgt Ion:330 Resp: 33023
Ion Ratio Lower Upper
330 100
332 96.8 77.1 115.7
141 42.0 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

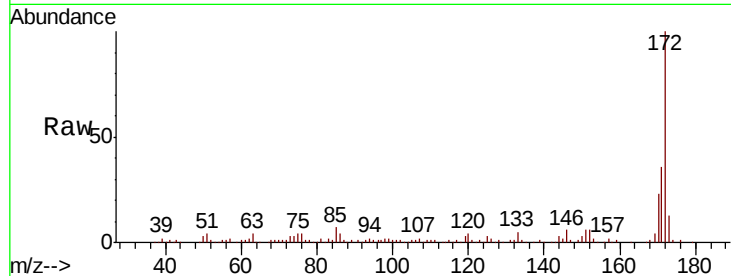




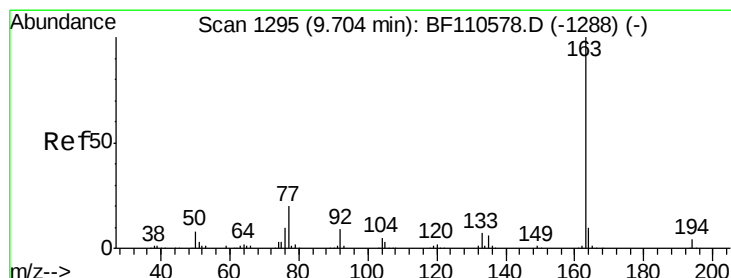
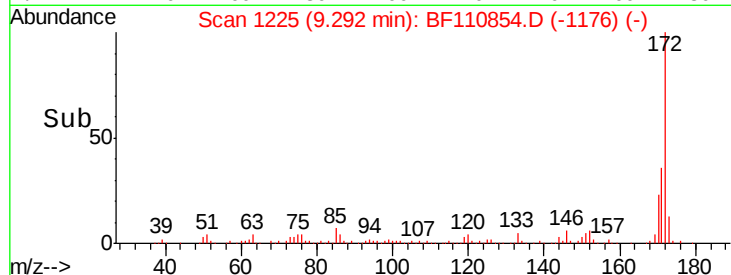
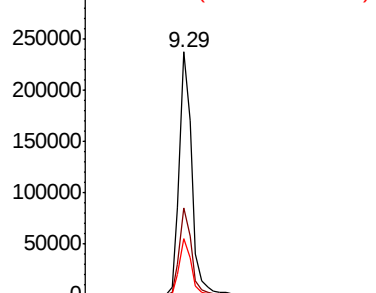
#45
2-Fluorobiphenyl
Concen: 33.496 ng
RT: 9.29 min Scan# 1225
Delta R.T. -0.01 min
Lab File: BF110854.D
Acq: 19 Nov 2018 15:45

Instrument :
BNA_F
ClientSampleId :

Tot Ion:172 Resp: 205976
Ion Ratio Lower Upper
172 100
171 35.7 28.6 43.0
170 23.1 19.7 29.5

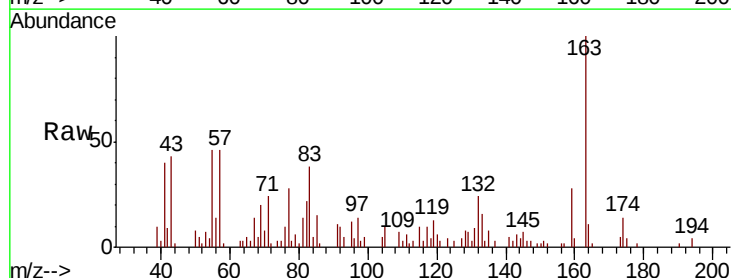


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

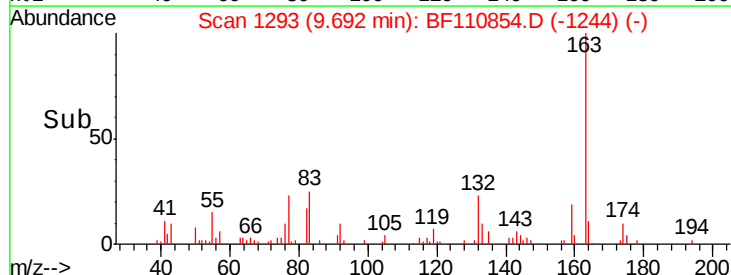
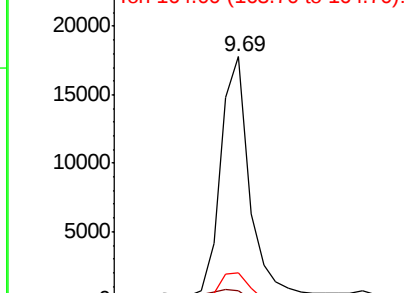


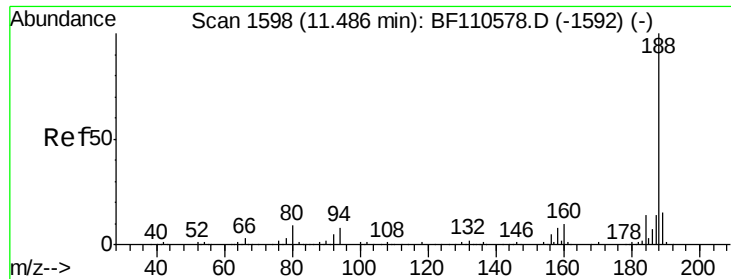
#50
Dimethylphthalate
Concen: 2.516 ng
RT: 9.69 min Scan# 1293
Delta R.T. -0.01 min
Lab File: BF110854.D
Acq: 19 Nov 2018 15:45

Tgt Ion:163 Resp: 16490
Ion Ratio Lower Upper
163 100
194 4.1 3.2 4.8
164 11.2 8.1 12.1



Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

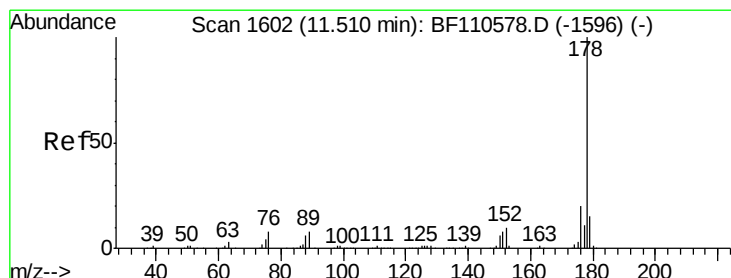
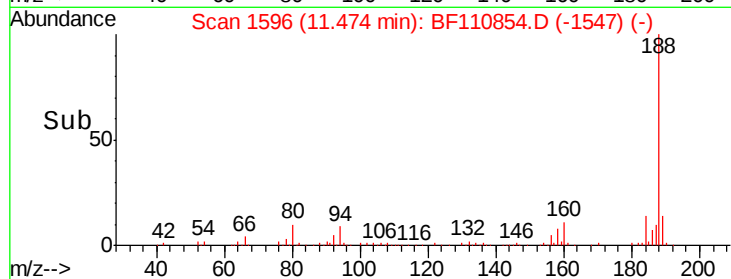
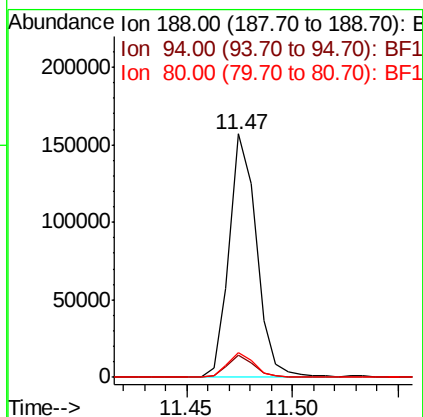
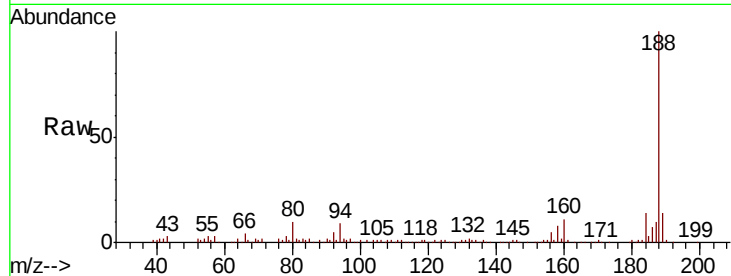




#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.47 min Scan# 1596
 Delta R.T. -0.01 min
 Lab File: BF110854.D
 Acq: 19 Nov 2018 15:45

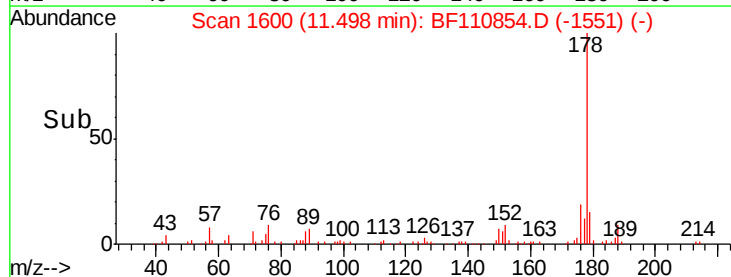
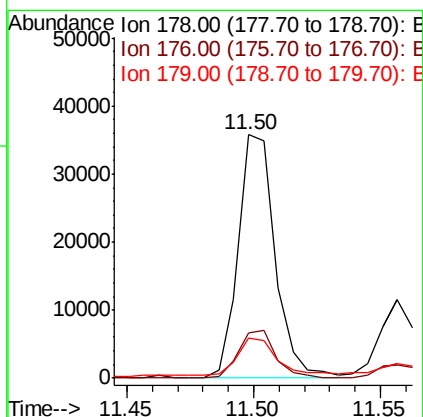
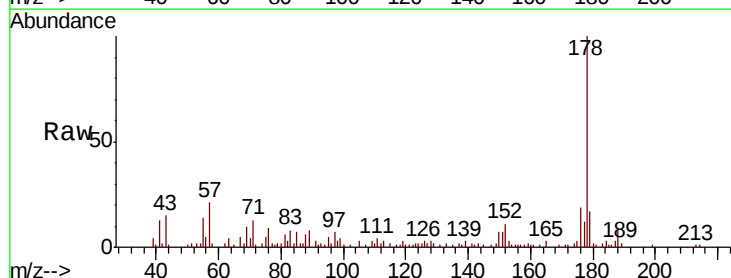
Instrument :
 BNA_F
 ClientSampleId :

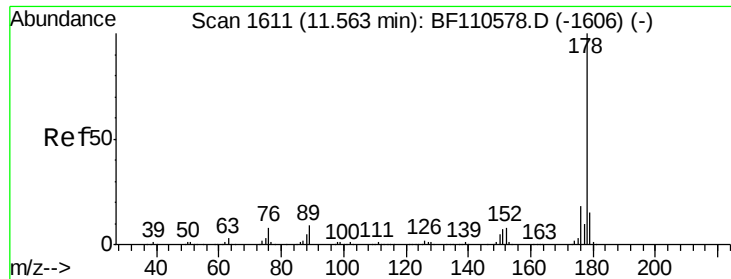
Tot Ion:188 Resp: 140416
 Ion Ratio Lower Upper
 188 100
 94 9.2 7.2 10.8
 80 9.9 7.9 11.9



#71
 Phenanthrene
 Concen: 4.844 ng
 RT: 11.50 min Scan# 1600
 Delta R.T. -0.01 min
 Lab File: BF110854.D
 Acq: 19 Nov 2018 15:45

Tgt Ion:178 Resp: 36439
 Ion Ratio Lower Upper
 178 100
 176 18.7 15.5 23.3
 179 16.6 12.5 18.7

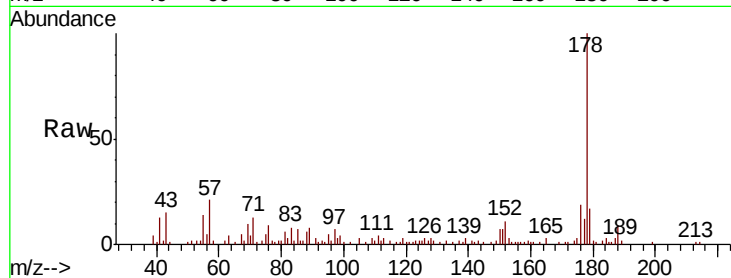




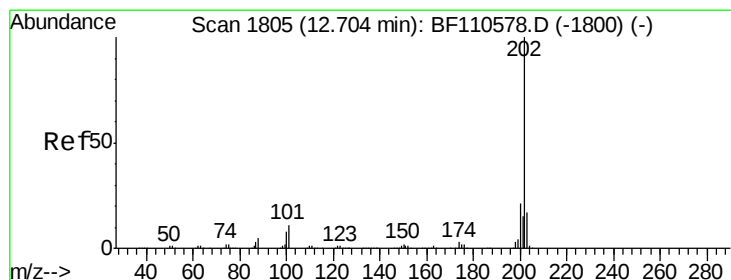
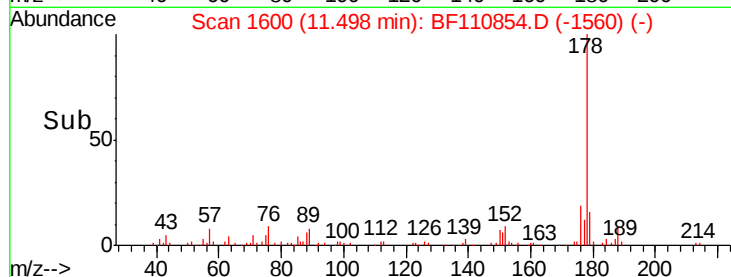
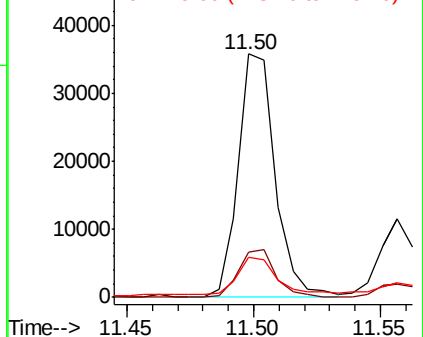
#72
 Anthracene
 Concen: 4.802 ng
 RT: 11.50 min Scan# 1600
 Delta R.T. -0.06 min
 Lab File: BF110854.D
 Acq: 19 Nov 2018 15:45

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:178 Resp: 36439
 Ion Ratio Lower Upper
 178 100
 176 18.7 15.4 23.2
 179 16.6 12.6 18.8

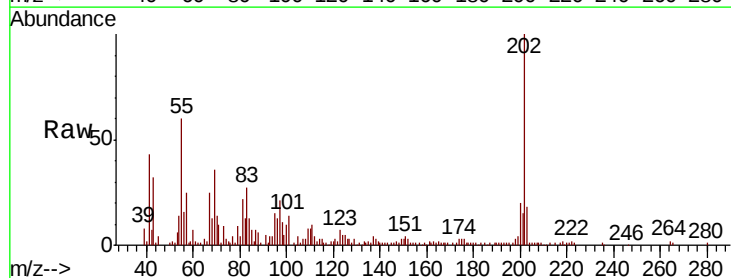


Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E

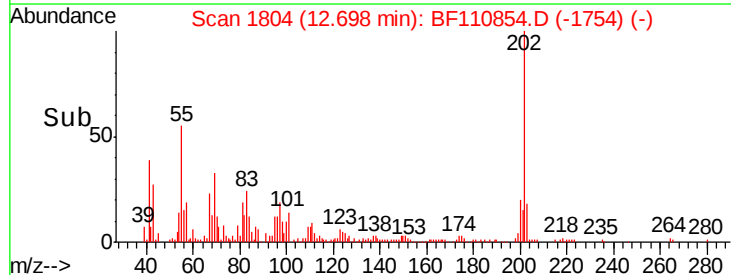
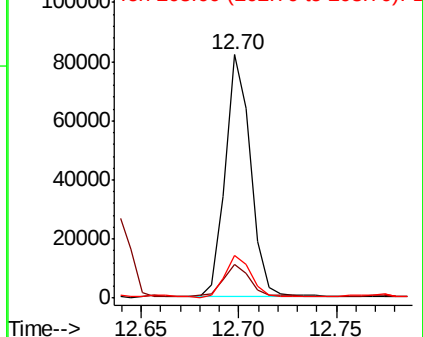


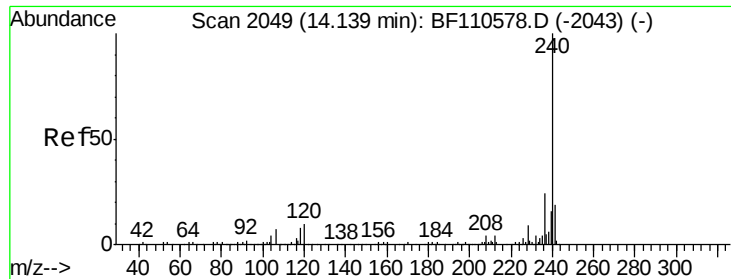
#75
 Fluoranthene
 Concen: 9.827 ng
 RT: 12.70 min Scan# 1804
 Delta R.T. -0.01 min
 Lab File: BF110854.D
 Acq: 19 Nov 2018 15:45

Tgt Ion:202 Resp: 74114
 Ion Ratio Lower Upper
 202 100
 101 13.6 0.0 31.4
 203 17.7 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





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.13 min Scan# 2048

Delta R.T. -0.01 min

Lab File: BF110854.D

Acq: 19 Nov 2018 15:45

Instrument :

BNA_F

ClientSampleId :

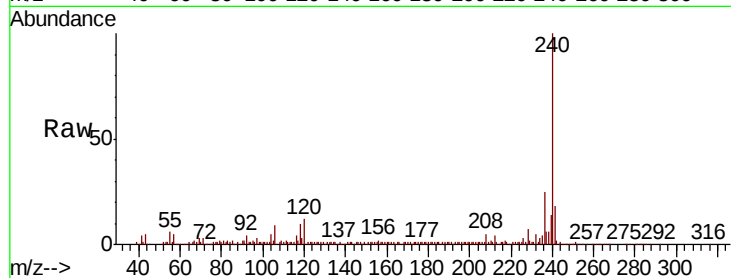
Tot Ion:240 Resp: 149642

Ion Ratio Lower Upper

240 100

120 11.6 8.3 12.5

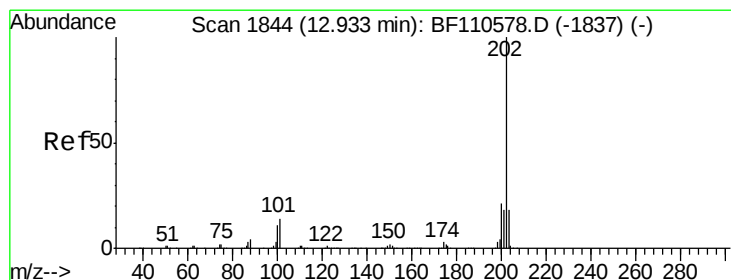
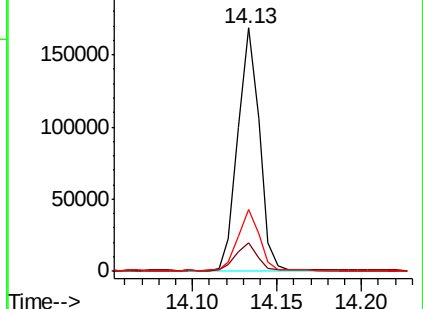
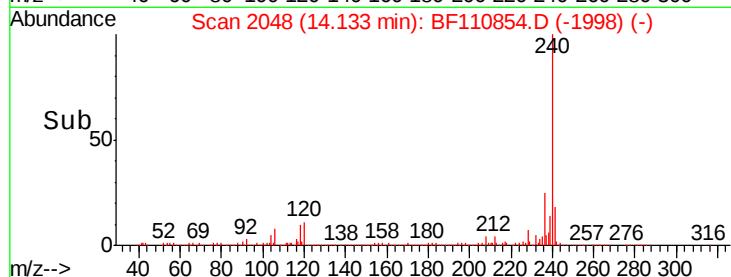
236 25.4 21.2 31.8



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



#78

Pyrene

Concen: 6.926 ng

RT: 12.93 min Scan# 1844

Delta R.T. 0.00 min

Lab File: BF110854.D

Acq: 19 Nov 2018 15:45

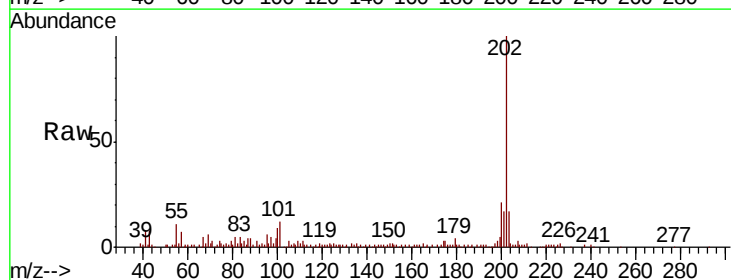
Tgt Ion:202 Resp: 79801

Ion Ratio Lower Upper

202 100

200 20.7 17.8 26.6

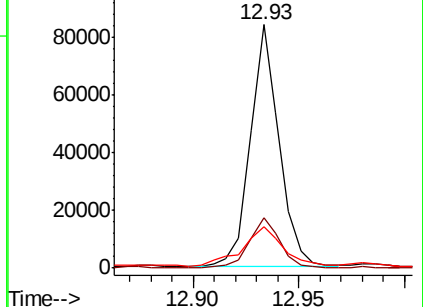
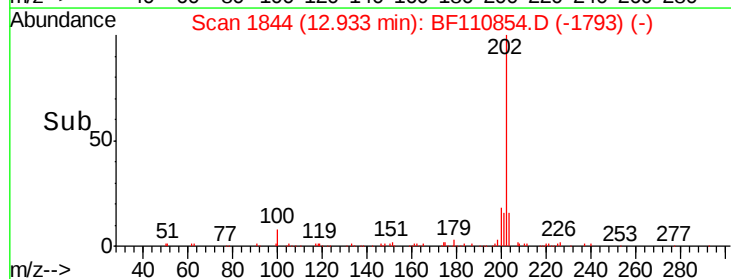
203 17.2 14.2 21.4

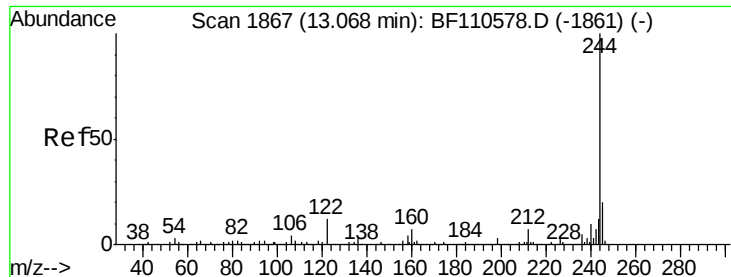


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#79

Terphenyl-d14

Concen: 22.606 ng

RT: 13.06 min Scan# 1866

Delta R.T. -0.01 min

Lab File: BF110854.D

Acq: 19 Nov 2018 15:45

Instrument :

BNA_F

ClientSampled :

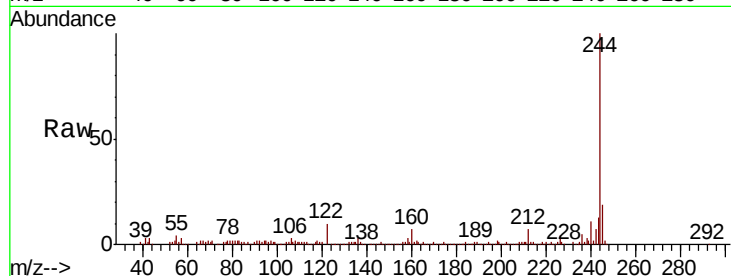
Tot Ion:244 Resp: 180630

Ion Ratio Lower Upper

244 100

212 6.7 5.8 8.8

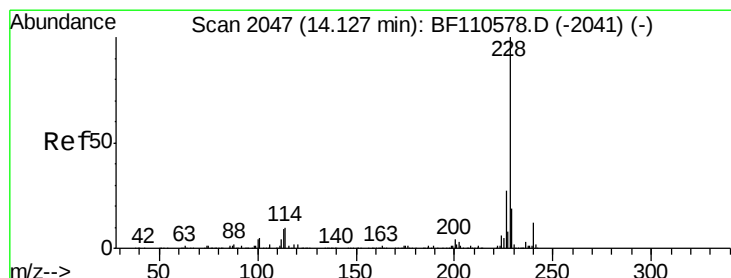
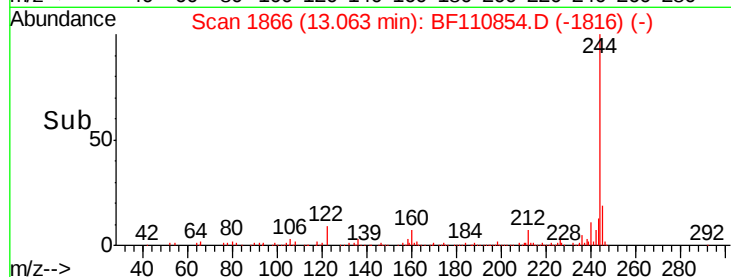
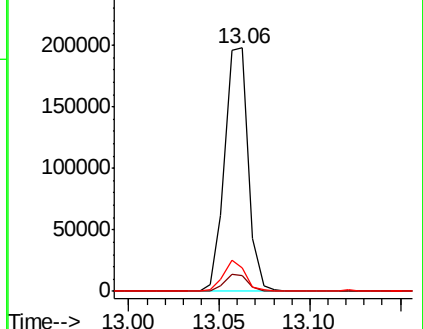
122 9.7 8.7 13.1



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



#81

Benzo(a)anthracene

Concen: 4.738 ng

RT: 14.16 min Scan# 2053

Delta R.T. 0.04 min

Lab File: BF110854.D

Acq: 19 Nov 2018 15:45

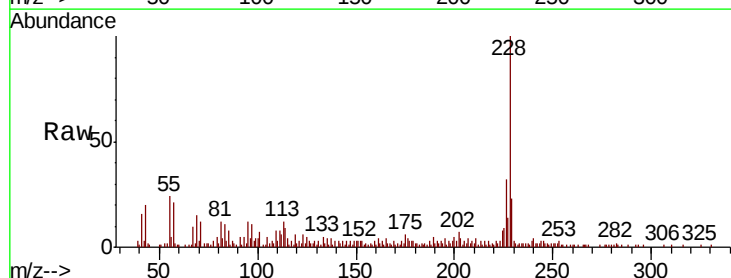
Tgt Ion:228 Resp: 42378

Ion Ratio Lower Upper

228 100

226 32.1 22.1 33.1

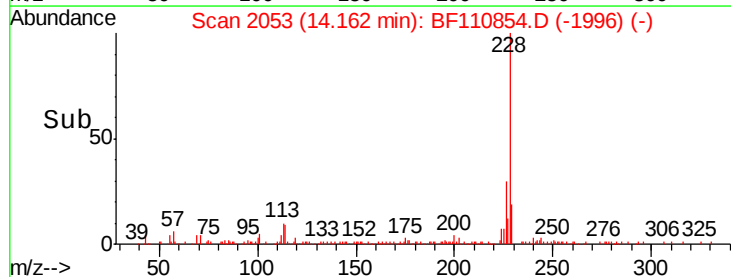
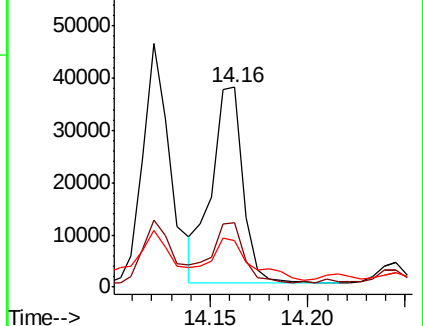
229 23.1 15.6 23.4

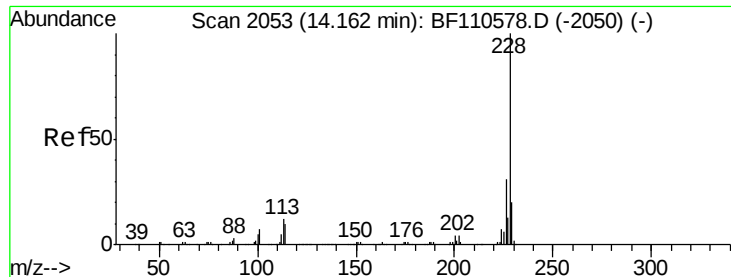


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#83

Chrysene

Concen: 4.973 ng

RT: 14.16 min Scan# 2053

Delta R.T. 0.00 min

Lab File: BF110854.D

Acq: 19 Nov 2018 15:45

Instrument :

BNA_F

ClientSampleId :

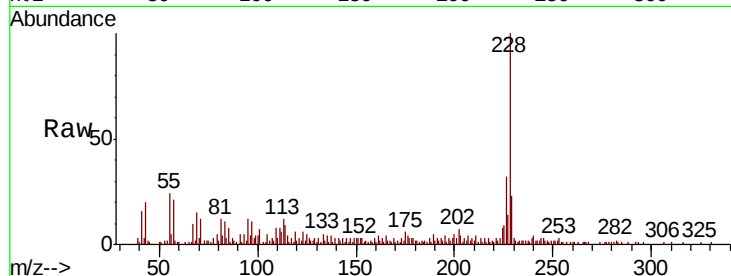
Tot Ion:228 Resp: 42378

Ion Ratio Lower Upper

228 100

226 32.1 24.7 37.1

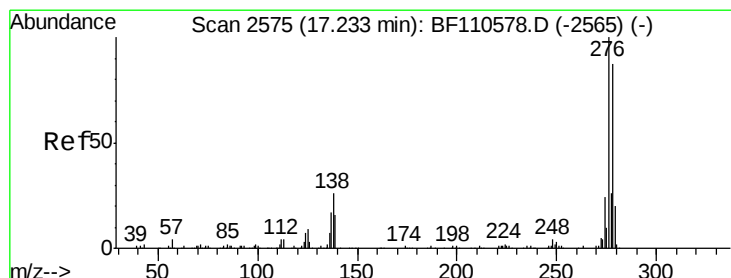
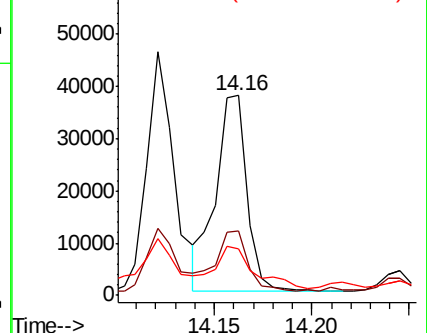
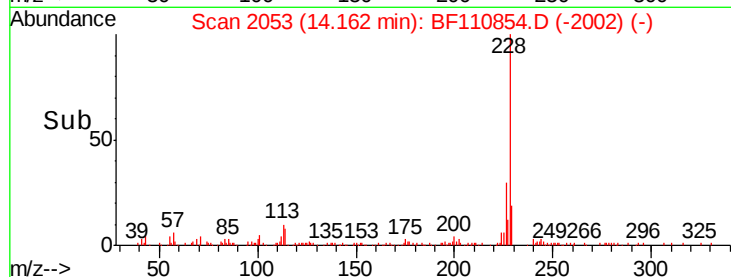
229 23.1 15.9 23.9



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



#86

Indeno(1,2,3-cd)pyrene

Concen: 2.030 ng

RT: 17.26 min Scan# 2579

Delta R.T. 0.02 min

Lab File: BF110854.D

Acq: 19 Nov 2018 15:45

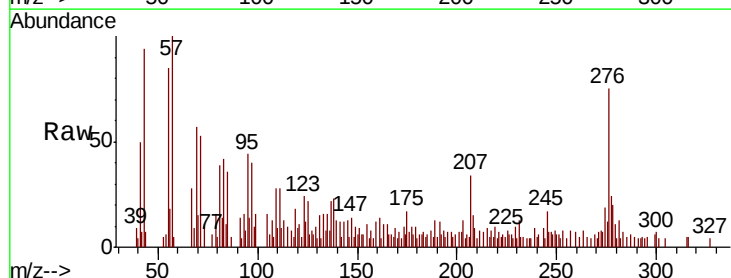
Tgt Ion:276 Resp: 12414

Ion Ratio Lower Upper

276 100

138 28.6 18.5 27.7#

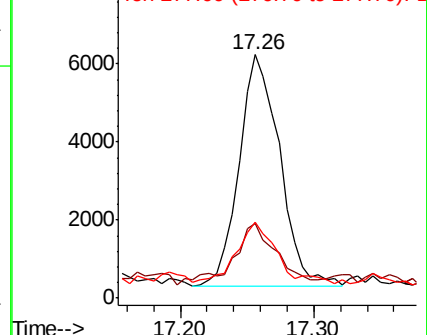
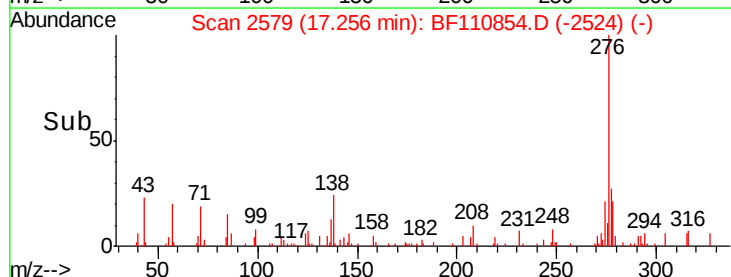
277 25.6 20.0 30.0

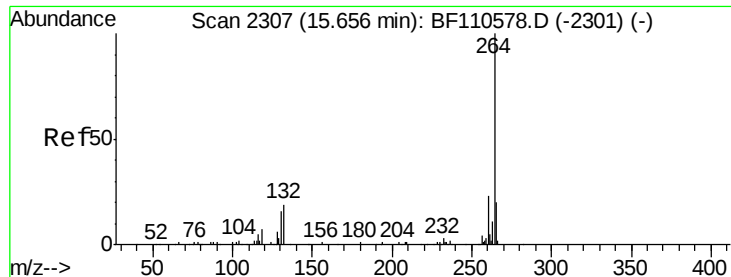


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

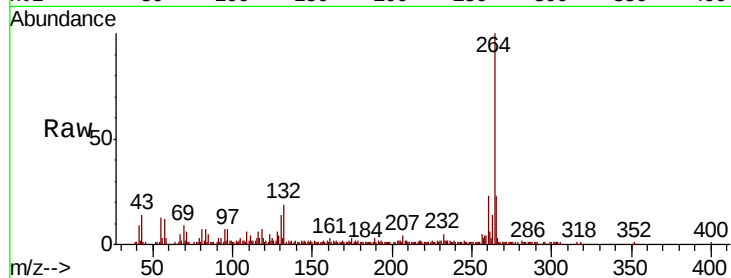




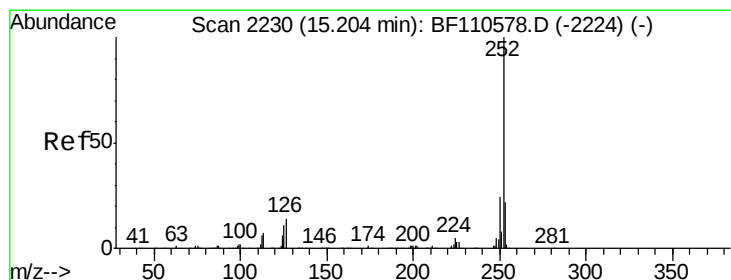
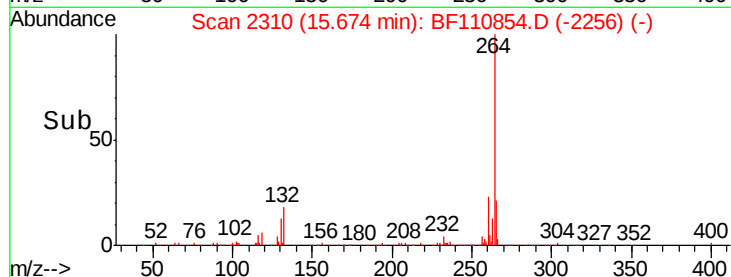
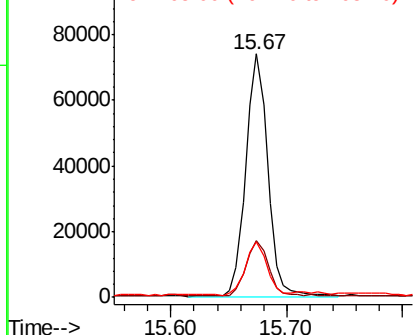
#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.67 min Scan# 2310
Delta R.T. 0.02 min
Lab File: BF110854.D
Acq: 19 Nov 2018 15:45

Instrument :
BNA_F
ClientSampled :

Tot Ion:264 Resp: 100212
Ion Ratio Lower Upper
264 100
260 23.2 18.7 28.1
265 22.5 16.7 25.1

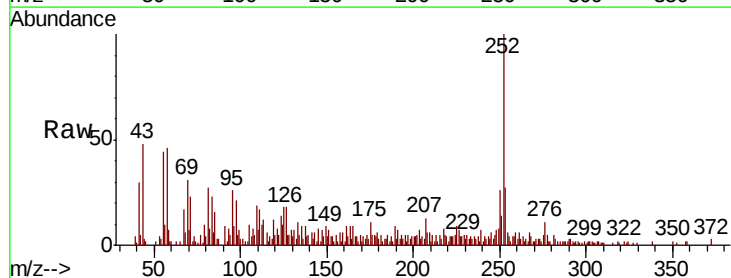


Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E

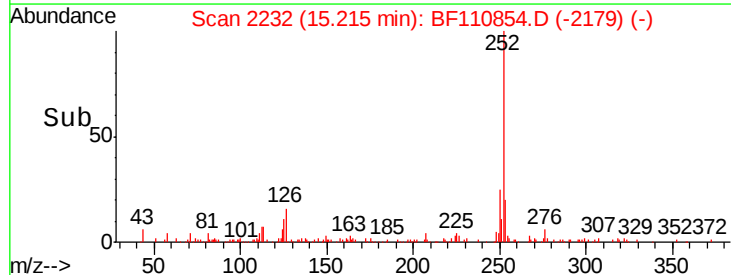
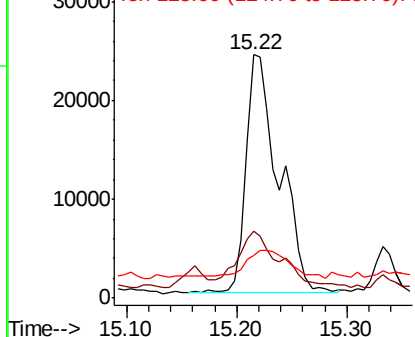


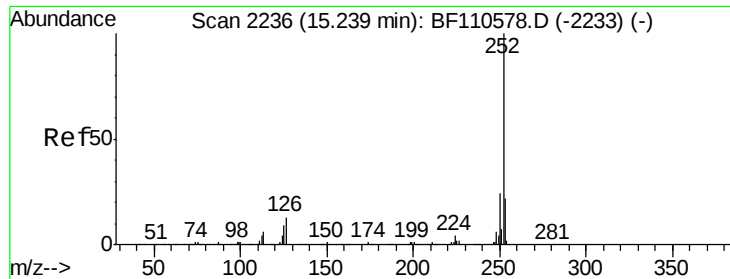
#88
Benzo(b)fluoranthene
Concen: 8.384 ng
RT: 15.22 min Scan# 2232
Delta R.T. 0.01 min
Lab File: BF110854.D
Acq: 19 Nov 2018 15:45

Tgt Ion:252 Resp: 50264
Ion Ratio Lower Upper
252 100
253 27.4 17.2 25.8#
125 17.6 8.2 12.4#



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

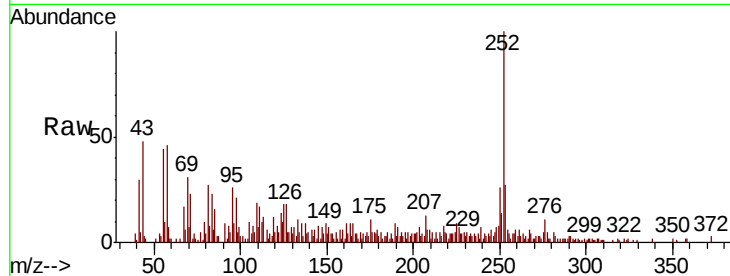




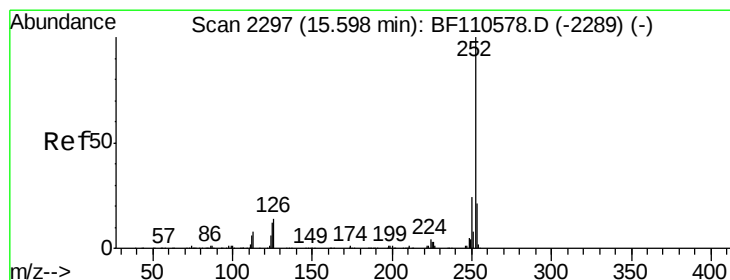
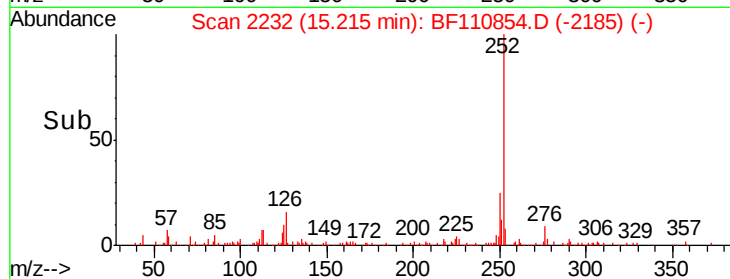
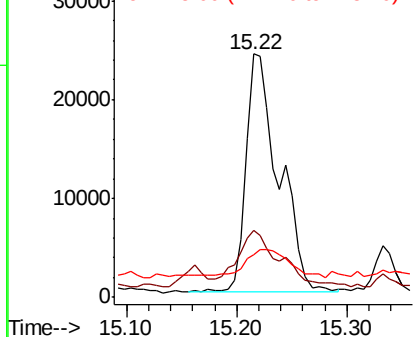
#89
Benzo(k)fluoranthene
Concen: 8.485 ng
RT: 15.22 min Scan# 2232
Delta R.T. -0.02 min
Lab File: BF110854.D
Acq: 19 Nov 2018 15:45

Instrument :
BNA_F
ClientSampleId :

Tot Ion:252 Resp: 50264
Ion Ratio Lower Upper
252 100
253 27.4 17.2 25.8#
125 17.6 7.4 11.0#

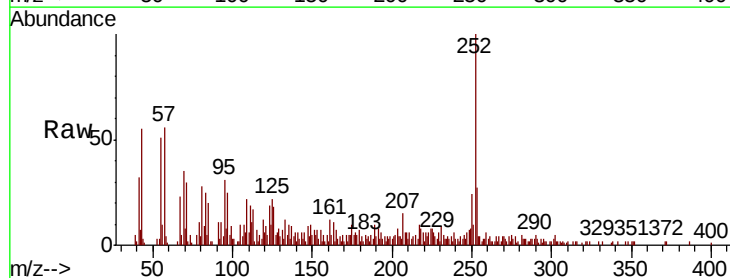


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

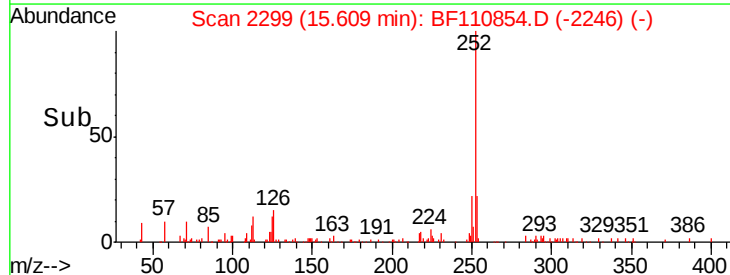
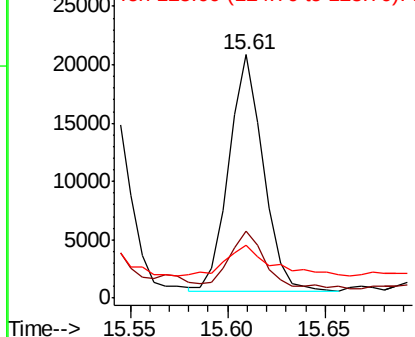


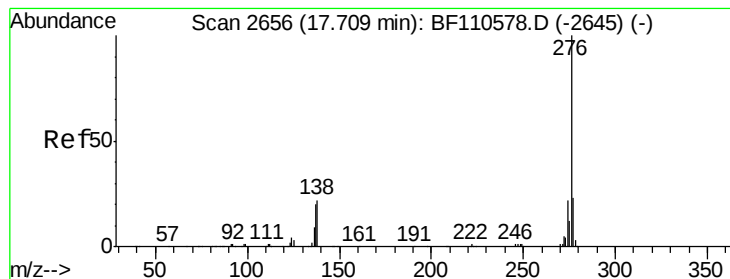
#90
Benzo(a)pyrene
Concen: 4.567 ng
RT: 15.61 min Scan# 2299
Delta R.T. 0.01 min
Lab File: BF110854.D
Acq: 19 Nov 2018 15:45

Tgt Ion:252 Resp: 24877
Ion Ratio Lower Upper
252 100
253 27.3 18.2 27.4
125 21.8 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





#92

Benzo(a,h,i)perylene

Concen: 2.992 ng

RT: 17.74 min Scan# 2662

Delta R.T. 0.04 min

Lab File: BF110854.D

Acq: 19 Nov 2018 15:45

Instrument :

BNA_F

ClientSampleId :

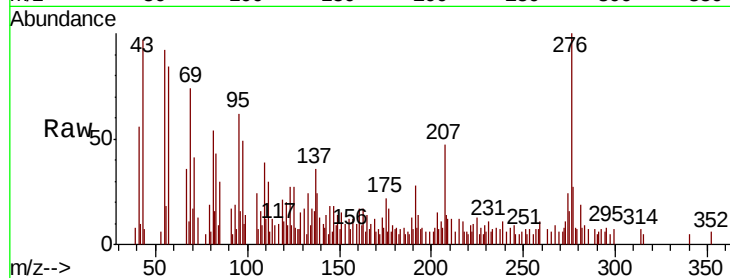
Tot Ion:276 Resp: 13683

Ion Ratio Lower Upper

276 100

277 27.3 18.8 28.2

138 23.6 16.0 24.0



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

