

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF111318\
 Data File : BF110758.D
 Acq On : 14 Nov 2018 9:41
 Operator : JU/SJ
 Sample : J5908-27DL 10X
 Misc :
 ALS Vial : 39 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Nov 14 10:10:20 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF110818.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Nov 13 12:43:10 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.95	152	70873	20.00	ng	0.00
21) Naphthalene-d8	8.23	136	282076	20.00	ng	0.00
39) Acenaphthene-d10	9.98	164	105981	20.00	ng	-0.01
64) Phenanthrene-d10	11.47	188	173540	20.00	ng	-0.01
76) Chrysene-d12	14.13	240	161548	20.00	ng	-0.01
87) Perylene-d12	15.65	264	107156	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.56	112	44741	10.25	ng	0.00
7) Phenol-d6	6.57	99	54706	9.80	ng	0.00
23) Nitrobenzene-d5	7.52	82	31137	6.36	ng	0.00
42) 2,4,6-Tribromophenol	10.78	330	7833	7.34	ng	0.00
45) 2-Fluorobiphenyl	9.30	172	52270	7.04	ng	0.00
79) Terphenyl-d14	13.06	244	45188	5.24	ng	-0.01

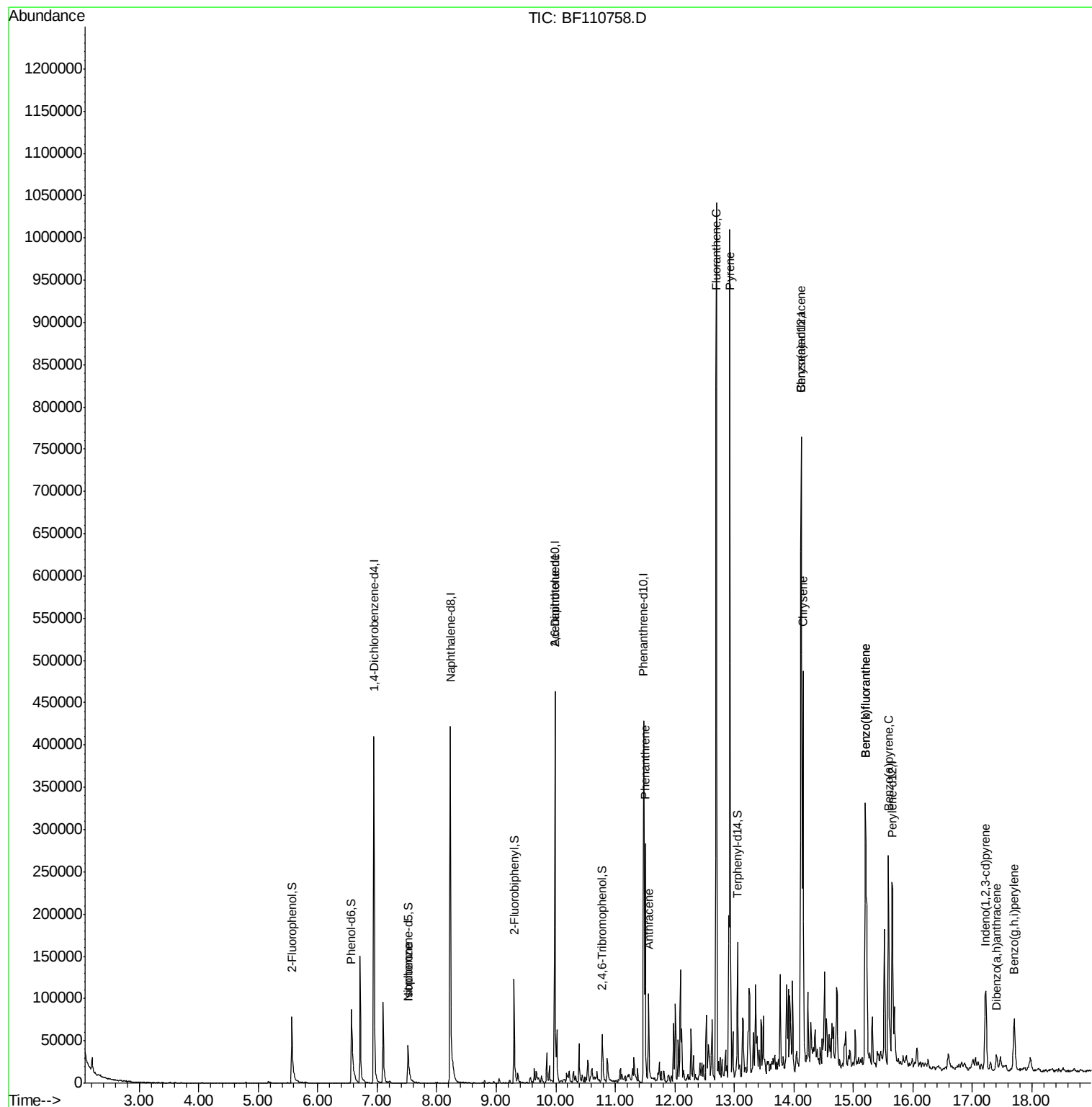
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.72	77	902	Below Cal		# 58
25) Isophorone	7.52	82	31137	3.879	ng	# 67
51) 2,6-Dinitrotoluene	9.98	165	13451	7.732	ng	# 21
71) Phenanthrene	11.50	178	120497	12.960	ng	99
72) Anthracene	11.56	178	46292	4.936	ng	96
75) Fluoranthene	12.70	202	410188	44.006	ng	98
78) Pyrene	12.93	202	401268	32.259	ng	98
81) Benzo(a)anthracene	14.12	228	225110	23.313	ng	99
83) Chrysene	14.16	228	185163	20.128	ng	99
86) Indeno(1,2,3-cd)pyrene	17.23	276	59404	8.999	ng	98
88) Benzo(b)fluoranthene	15.20	252	241221	37.629	ng	99
89) Benzo(k)fluoranthene	15.20	252	241221	38.082	ng	# 98
90) Benzo(a)pyrene	15.59	252	119073	20.444	ng	98
91) Dibenzo(a,h)anthracene	17.41	278	14927	3.028	ng	96
92) Benzo(a,h,i)perylene	17.70	276	54326	11.109	ng	99

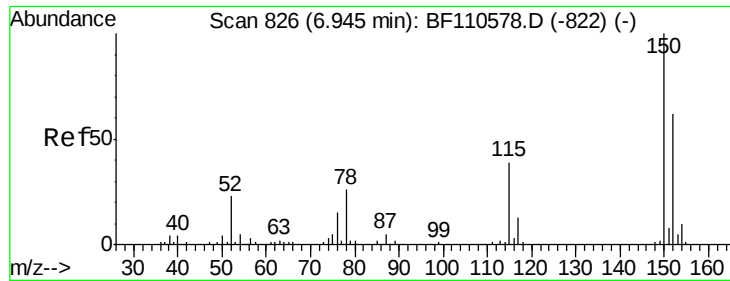
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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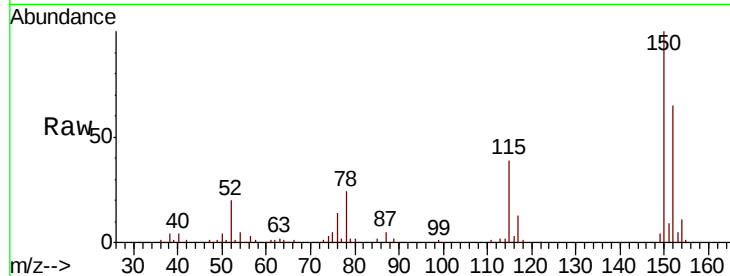




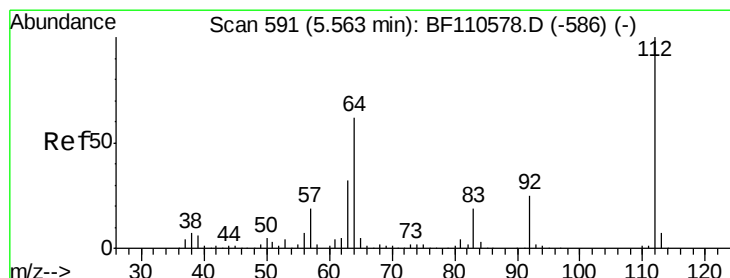
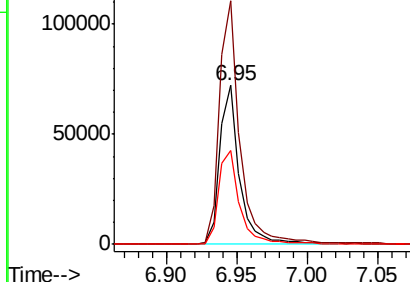
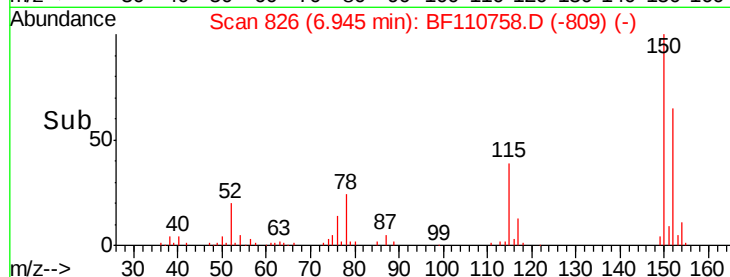
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.95 min Scan# 826
 Delta R.T. 0.00 min
 Lab File: BF110758.D
 Acq: 14 Nov 2018 9:41

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:152 Resp: 70873
 Ion Ratio Lower Upper
 152 100
 150 153.5 122.7 184.1
 115 59.2 49.1 73.7

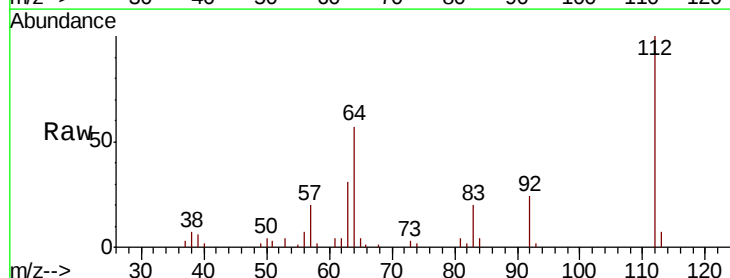


Abundance Ion 152.00 (151.70 to 152.70): E
 150000 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E

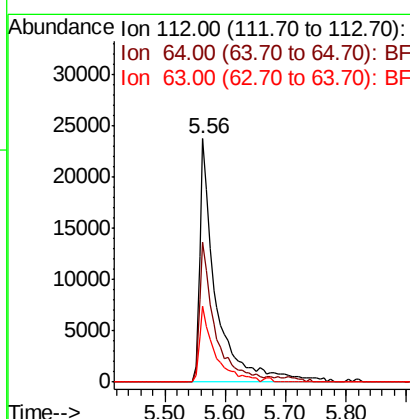
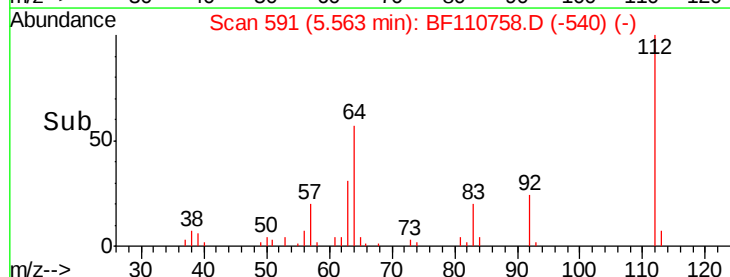


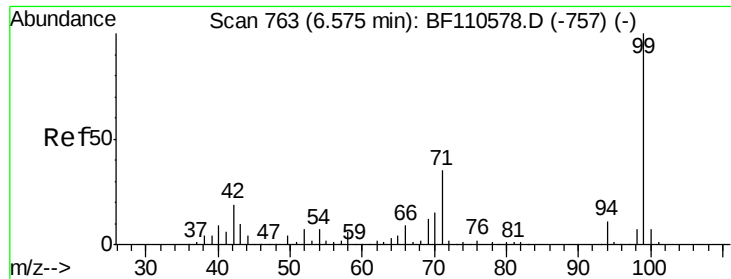
#5
 2-Fluorophenol
 Concen: 10.254 ng
 RT: 5.56 min Scan# 591
 Delta R.T. 0.00 min
 Lab File: BF110758.D
 Acq: 14 Nov 2018 9:41

Tgt Ion:112 Resp: 44741
 Ion Ratio Lower Upper
 112 100
 64 57.3 44.1 66.1
 63 31.1 23.7 35.5



Abundance Ion 112.00 (111.70 to 112.70): E
 30000 Ion 64.00 (63.70 to 64.70): BF1
 Ion 63.00 (62.70 to 63.70): BF1





#7

Phenol-d6

Concen: 9.805 ng

RT: 6.57 min Scan# 762

Delta R.T. -0.01 min

Lab File: BF110758.D

Acq: 14 Nov 2018 9:41

Instrument :

BNA_F

ClientSampleId :

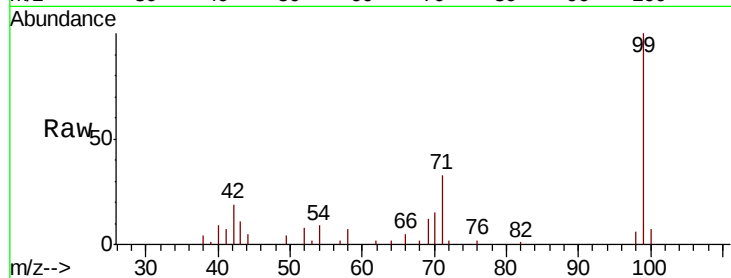
Tot Ion: 99 Resp: 54706

Ion Ratio Lower Upper

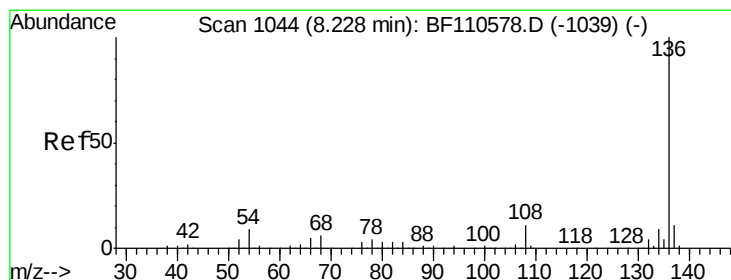
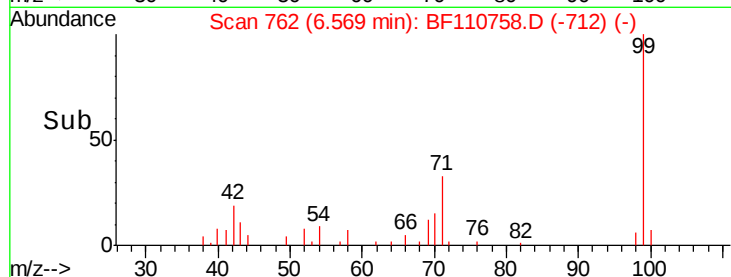
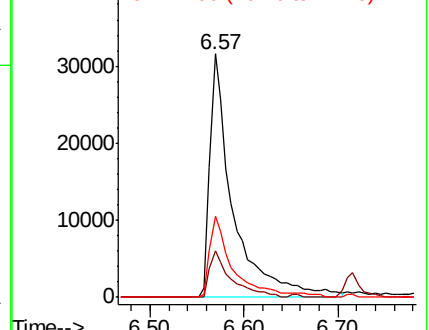
99 100

42 19.0 15.8 23.6

71 33.5 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: 8.23 min Scan# 1044

Delta R.T. 0.00 min

Lab File: BF110758.D

Acq: 14 Nov 2018 9:41

Tgt Ion: 136 Resp: 282076

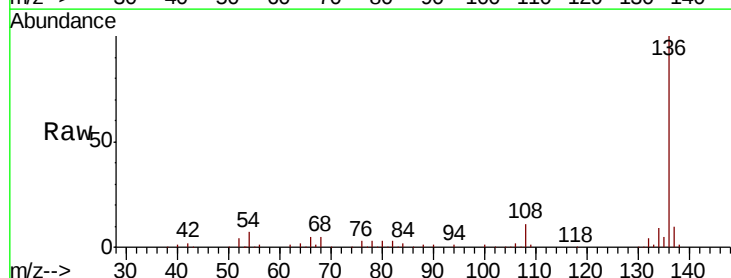
Ion Ratio Lower Upper

136 100

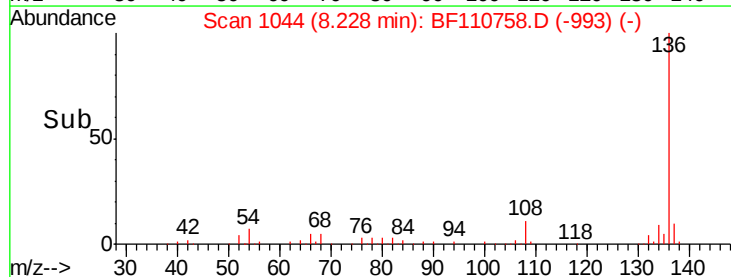
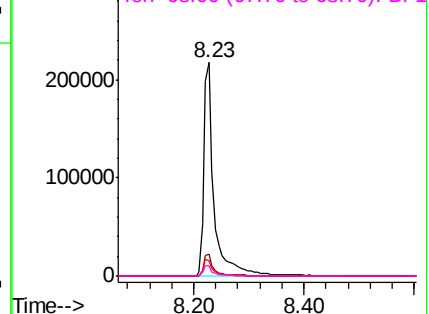
137 10.3 8.8 13.2

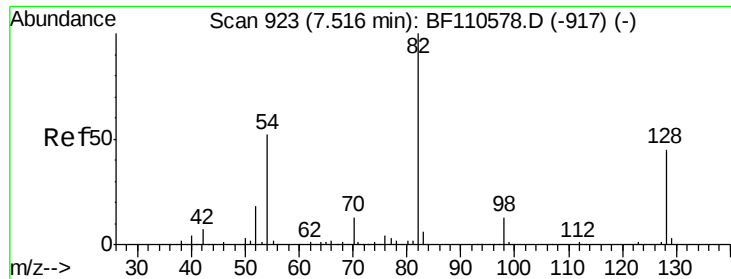
54 7.1 5.4 8.2

68 5.0 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

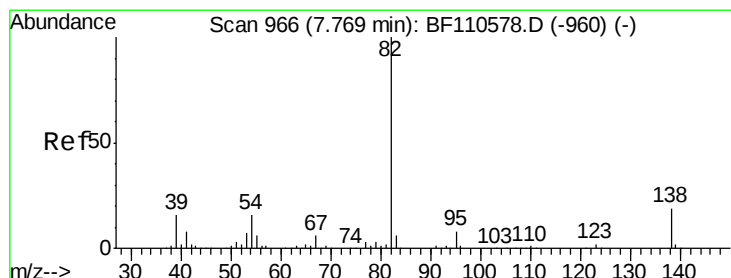
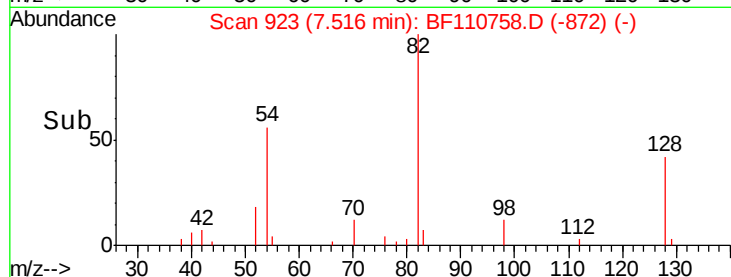
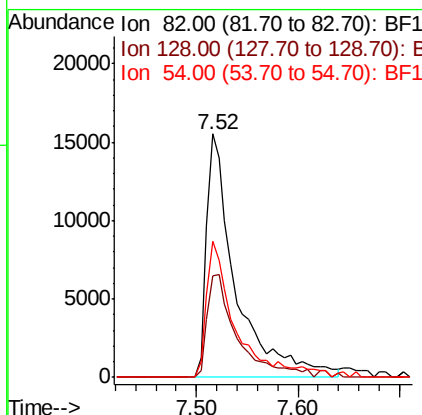
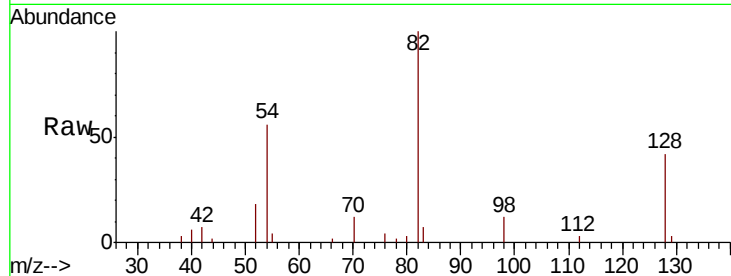




#23
 Nitrobenzene-d5
 Concen: 6.357 ng
 RT: 7.52 min Scan# 923
 Delta R.T. 0.00 min
 Lab File: BF110758.D
 Acq: 14 Nov 2018 9:41

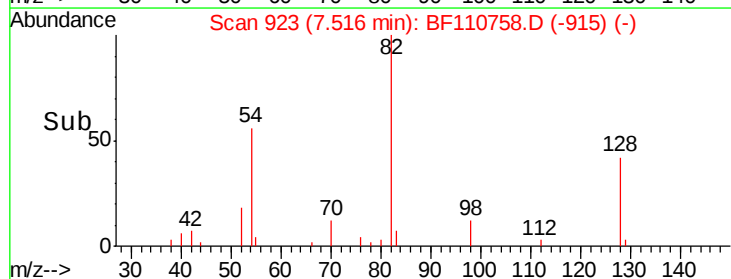
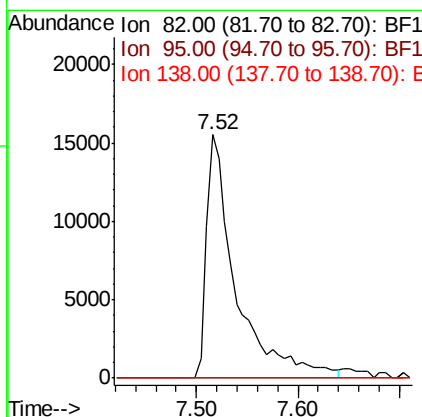
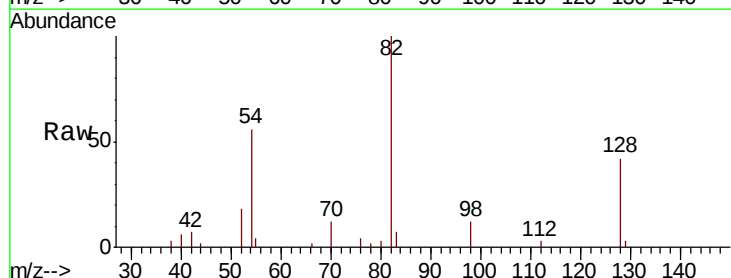
Instrument :
 BNA_F
 ClientSampled :

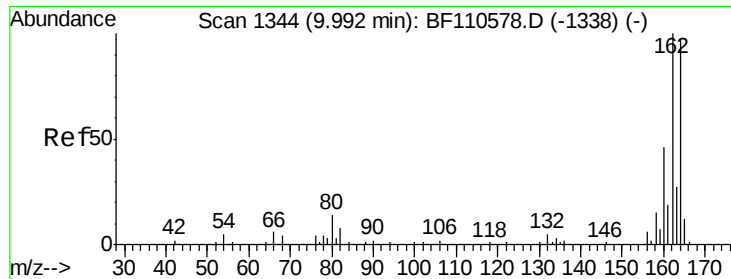
Tot Ion	82	Resp	31137
Ion Ratio	Lower	Upper	
82	100		
128	41.9	34.2	51.2
54	56.1	38.6	58.0



#25
 Isophorone
 Concen: 3.879 ng
 RT: 7.52 min Scan# 923
 Delta R.T. -0.25 min
 Lab File: BF110758.D
 Acq: 14 Nov 2018 9:41

Tgt Ion	82	Resp	31137
Ion Ratio	Lower	Upper	
82	100		
95	0.0	5.7	8.5#
138	0.0	13.2	19.8#





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.98 min Scan# 1342

Delta R.T. -0.01 min

Lab File: BF110758.D

Acq: 14 Nov 2018 9:41

Instrument :

BNA_F

ClientSampleId :

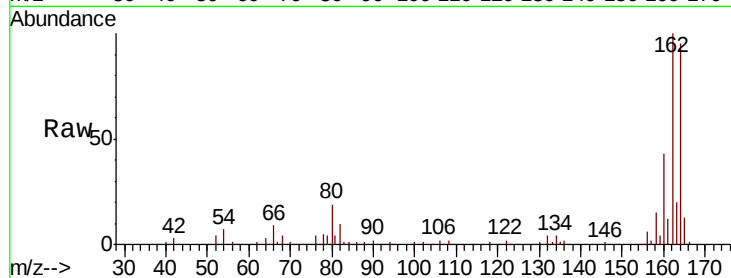
Tot Ion:164 Resp: 105981

Ion Ratio Lower Upper

164 100

162 105.0 83.0 124.6

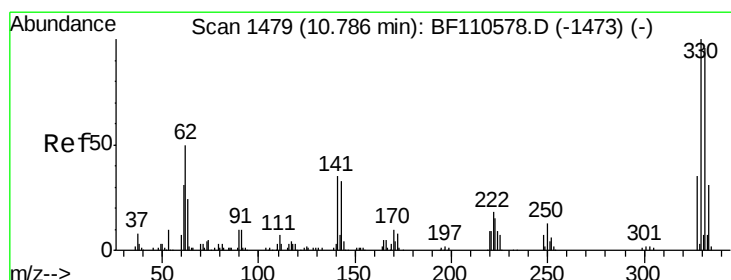
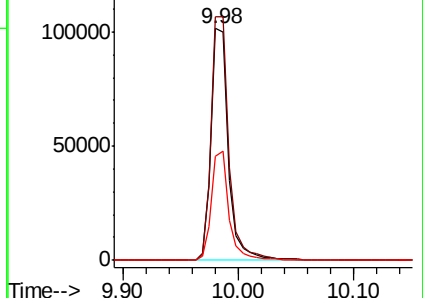
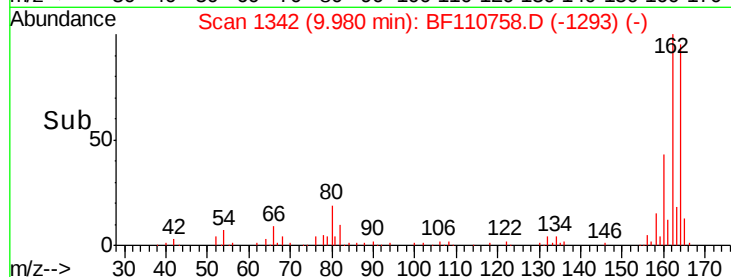
160 44.8 37.0 55.6



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: 7.335 ng

RT: 10.78 min Scan# 1478

Delta R.T. -0.01 min

Lab File: BF110758.D

Acq: 14 Nov 2018 9:41

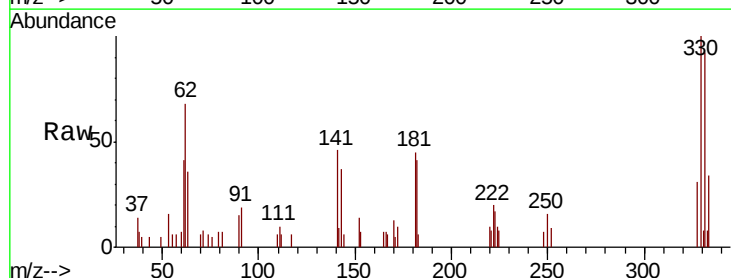
Tgt Ion:330 Resp: 7833

Ion Ratio Lower Upper

330 100

332 93.2 77.1 115.7

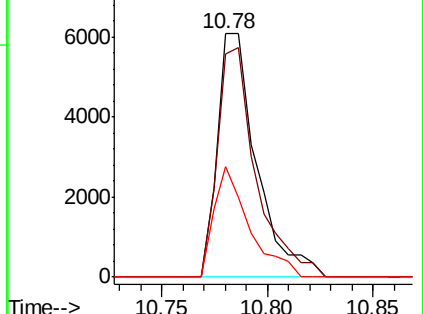
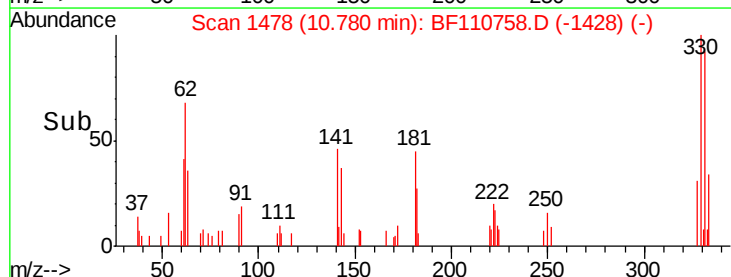
141 41.0 27.0 40.4#

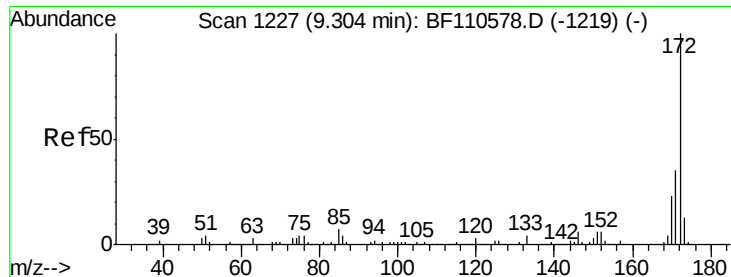


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

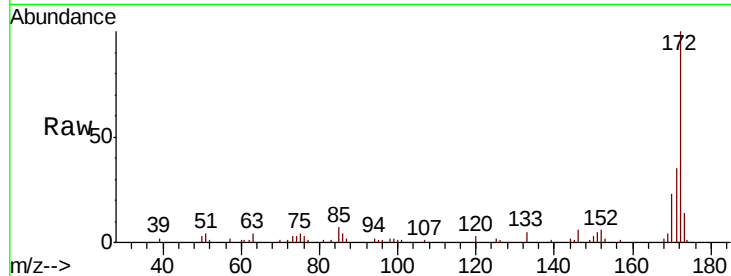




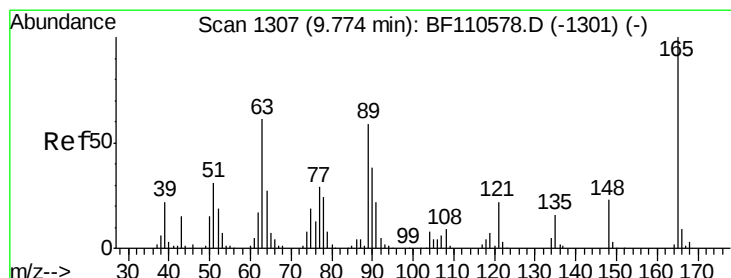
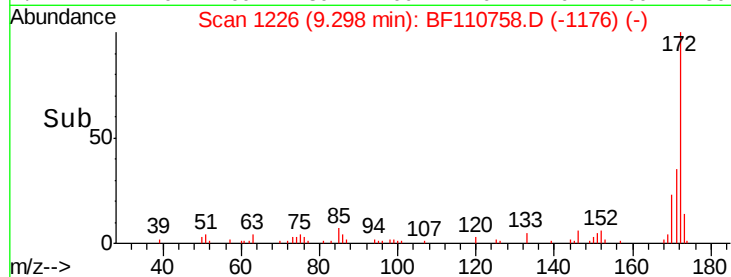
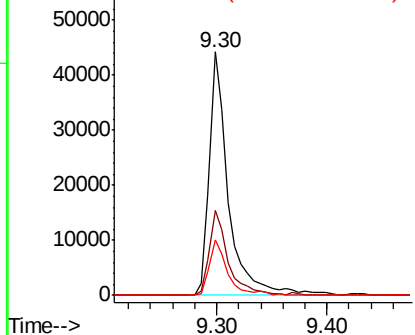
#45
 2-Fluorobiphenyl
 Concen: 7.044 ng
 RT: 9.30 min Scan# 1226
 Delta R.T. -0.01 min
 Lab File: BF110758.D
 Acq: 14 Nov 2018 9:41

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:172 Resp: 52270
 Ion Ratio Lower Upper
 172 100
 171 35.1 28.6 43.0
 170 22.8 19.7 29.5

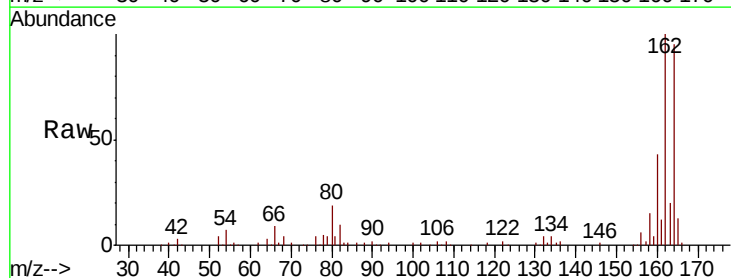


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

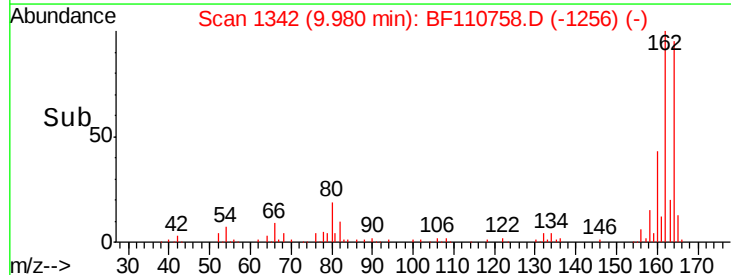
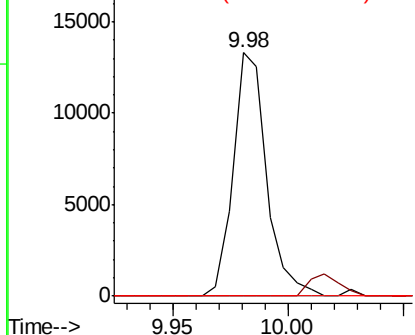


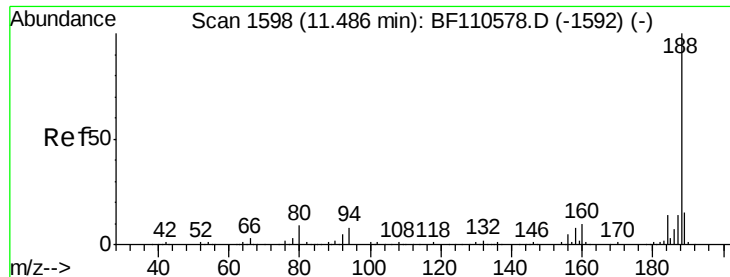
#51
 2,6-Dinitrotoluene
 Concen: 7.732 ng
 RT: 9.98 min Scan# 1342
 Delta R.T. 0.21 min
 Lab File: BF110758.D
 Acq: 14 Nov 2018 9:41

Tgt Ion:165 Resp: 13451
 Ion Ratio Lower Upper
 165 100
 63 0.0 48.9 73.3#
 89 0.0 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

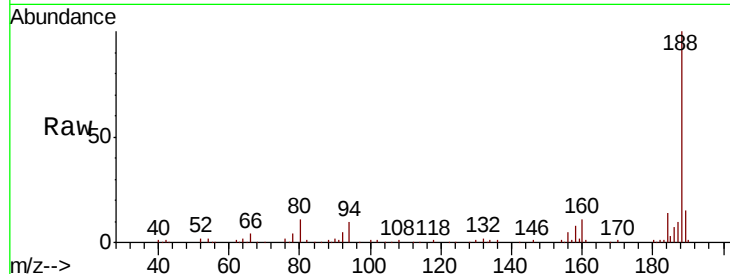




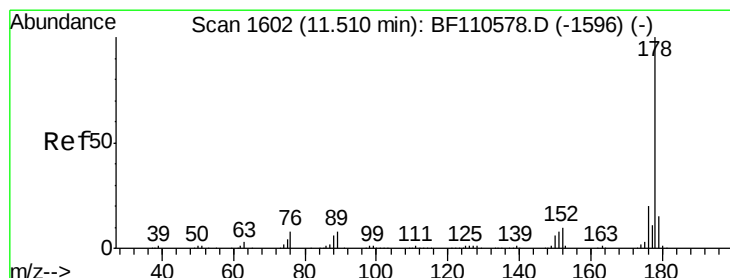
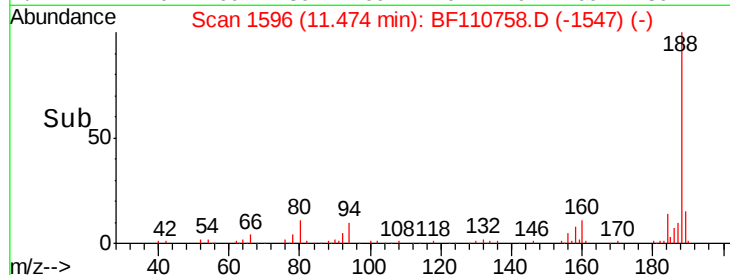
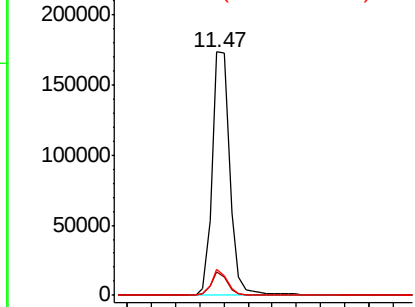
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.47 min Scan# 1596
Delta R.T. -0.01 min
Lab File: BF110758.D
Acq: 14 Nov 2018 9:41

Instrument :
BNA_F
ClientSampleId :

Tot Ion:188 Resp: 173540
Ion Ratio Lower Upper
188 100
94 9.5 7.2 10.8
80 10.7 7.9 11.9

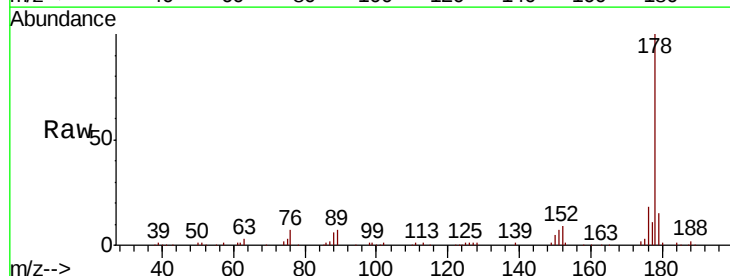


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF1
Ion 80.00 (79.70 to 80.70): BF1

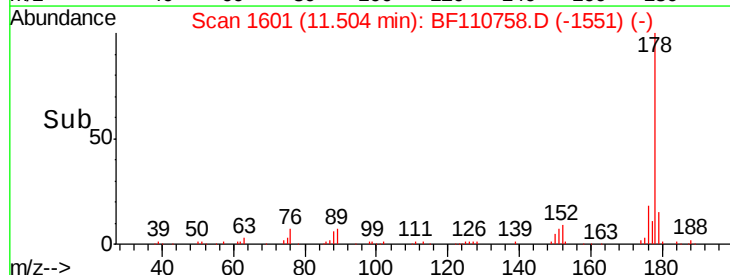
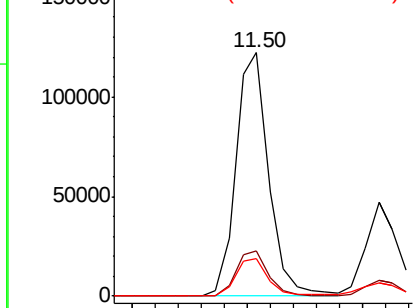


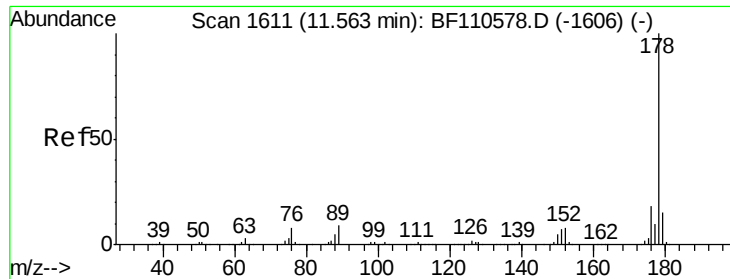
#71
Phenanthrene
Concen: 12.960 ng
RT: 11.50 min Scan# 1601
Delta R.T. -0.01 min
Lab File: BF110758.D
Acq: 14 Nov 2018 9:41

Tgt Ion:178 Resp: 120497
Ion Ratio Lower Upper
178 100
176 18.5 15.5 23.3
179 15.4 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

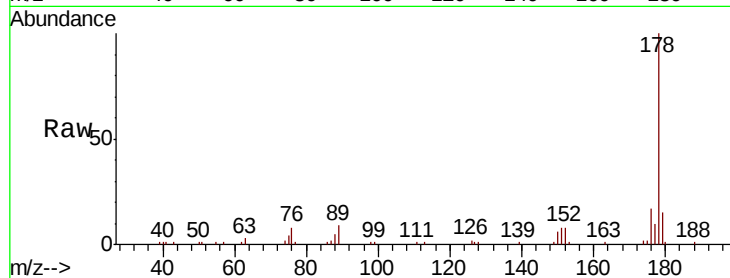




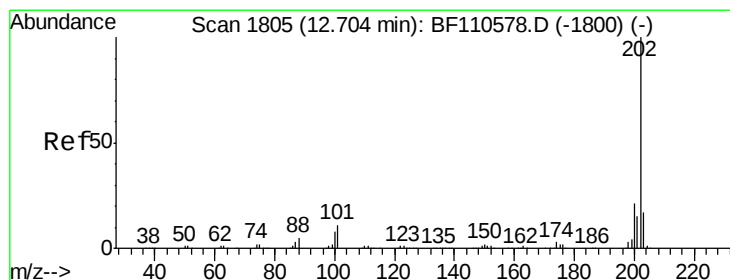
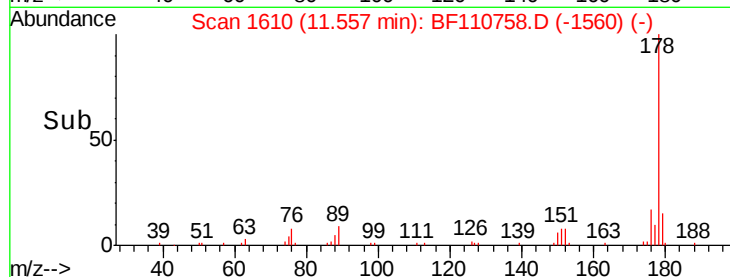
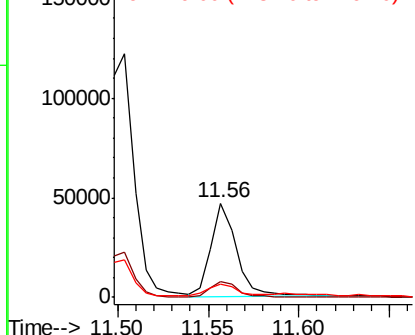
#72
 Anthracene
 Concen: 4.936 ng
 RT: 11.56 min Scan# 1610
 Delta R.T. -0.01 min
 Lab File: BF110758.D
 Acq: 14 Nov 2018 9:41

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:178 Resp: 46292
 Ion Ratio Lower Upper
 178 100
 176 16.6 15.4 23.2
 179 14.6 12.6 18.8

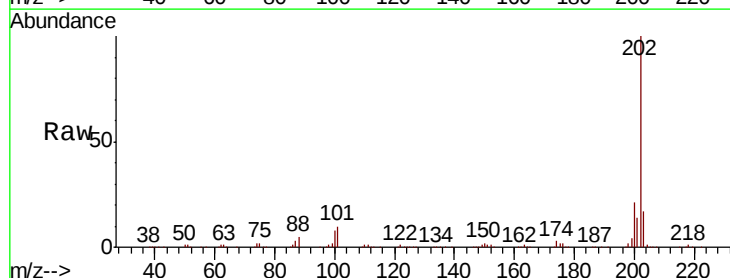


Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E

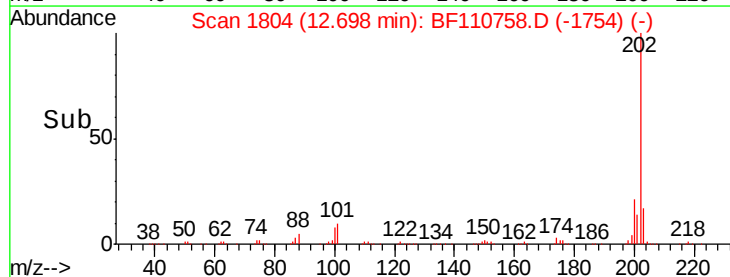
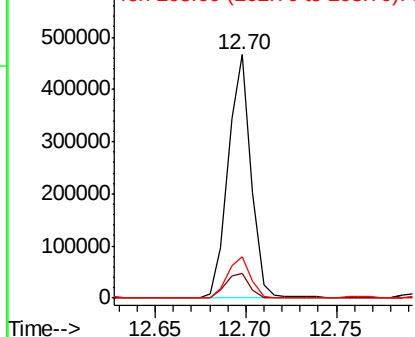


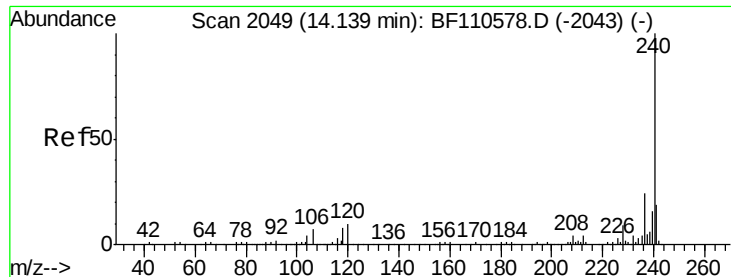
#75
 Fluoranthene
 Concen: 44.006 ng
 RT: 12.70 min Scan# 1804
 Delta R.T. -0.01 min
 Lab File: BF110758.D
 Acq: 14 Nov 2018 9:41

Tgt Ion:202 Resp: 410188
 Ion Ratio Lower Upper
 202 100
 101 10.1 0.0 31.4
 203 17.1 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

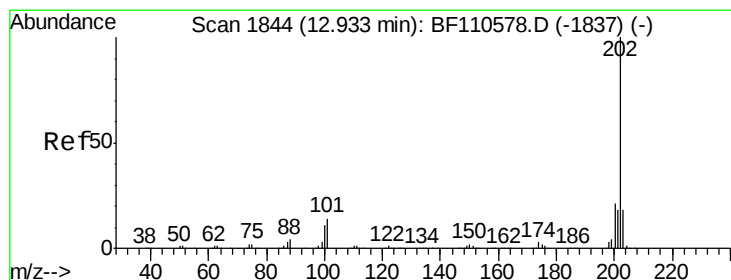
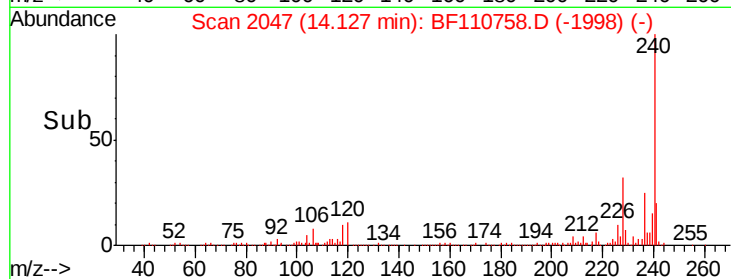
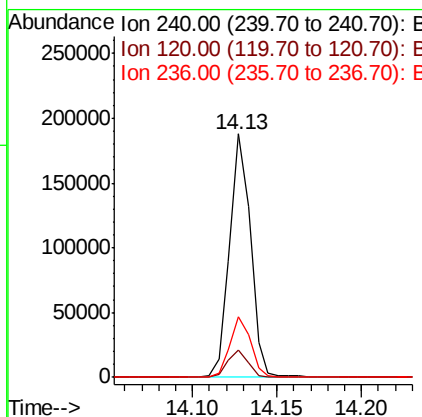
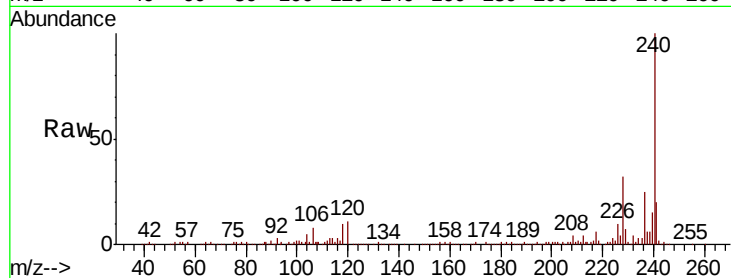




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.13 min Scan# 2047
Delta R.T. -0.01 min
Lab File: BF110758.D
Acq: 14 Nov 2018 9:41

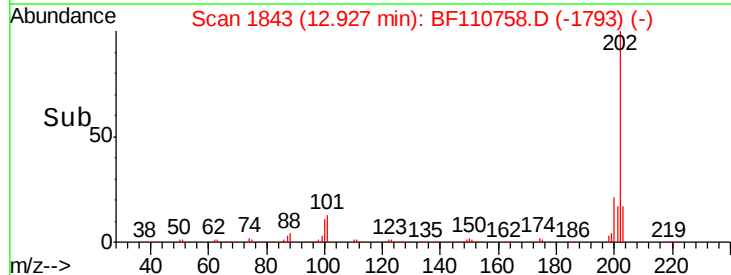
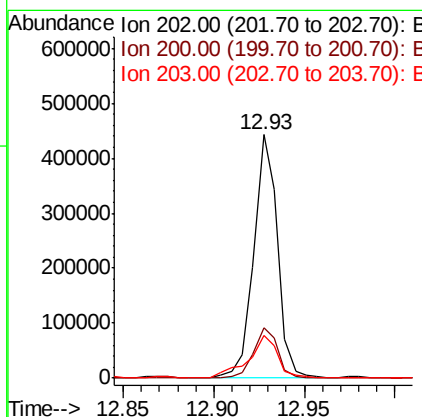
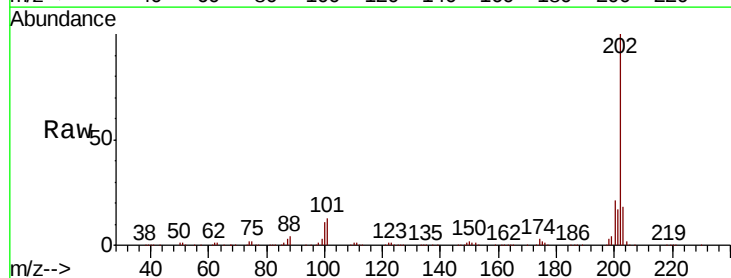
Instrument :
BNA_F
ClientSampled :

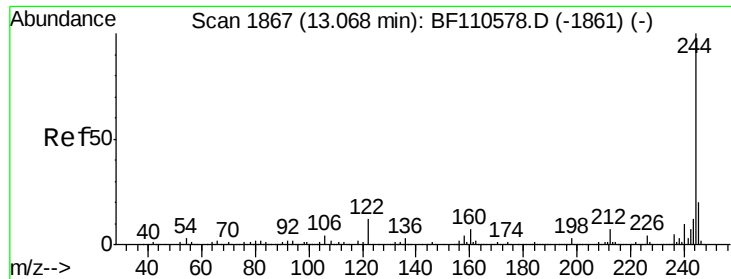
Tot Ion:240 Resp: 161548
Ion Ratio Lower Upper
240 100
120 11.3 8.3 12.5
236 24.9 21.2 31.8



#78
Pyrene
Concen: 32.259 ng
RT: 12.93 min Scan# 1843
Delta R.T. -0.01 min
Lab File: BF110758.D
Acq: 14 Nov 2018 9:41

Tgt Ion:202 Resp: 401268
Ion Ratio Lower Upper
202 100
200 20.8 17.8 26.6
203 17.5 14.2 21.4





#79

Terphenyl-d14

Concen: 5.238 ng

RT: 13.06 min Scan# 1865

Delta R.T. -0.01 min

Lab File: BF110758.D

Acq: 14 Nov 2018 9:41

Instrument :

BNA_F

ClientSampleId :

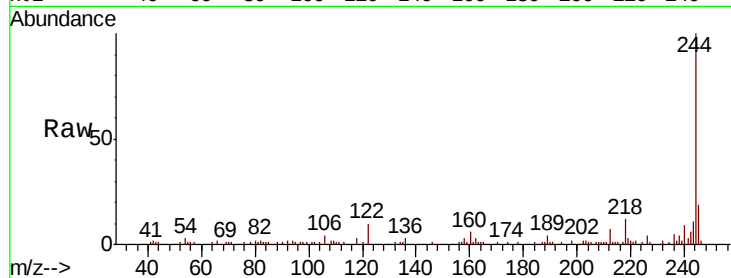
Tot Ion:244 Resp: 45188

Ion Ratio Lower Upper

244 100

212 6.5 5.8 8.8

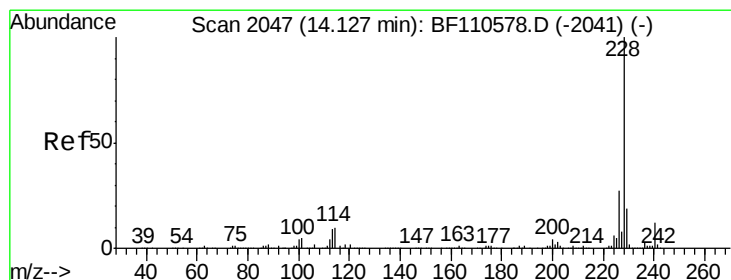
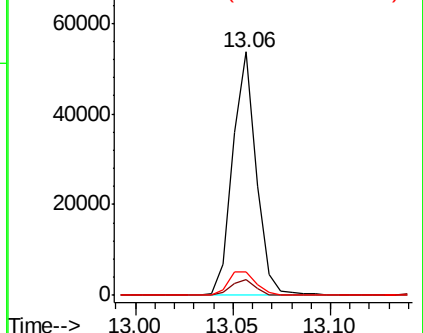
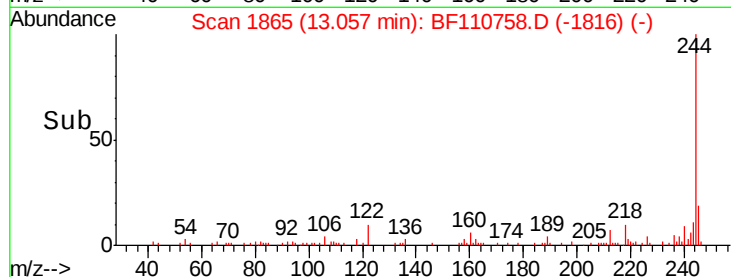
122 9.8 8.7 13.1



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: 23.313 ng

RT: 14.12 min Scan# 2045

Delta R.T. -0.01 min

Lab File: BF110758.D

Acq: 14 Nov 2018 9:41

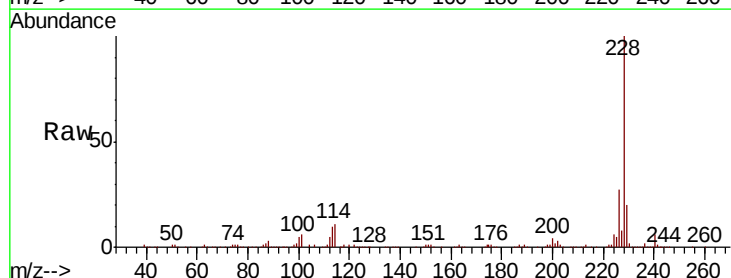
Tgt Ion:228 Resp: 225110

Ion Ratio Lower Upper

228 100

226 27.5 22.1 33.1

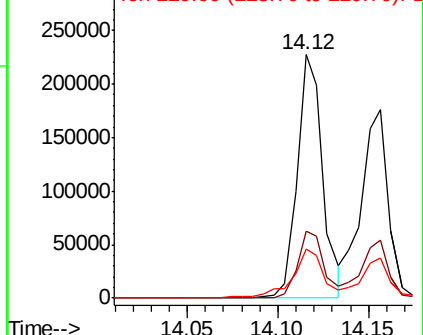
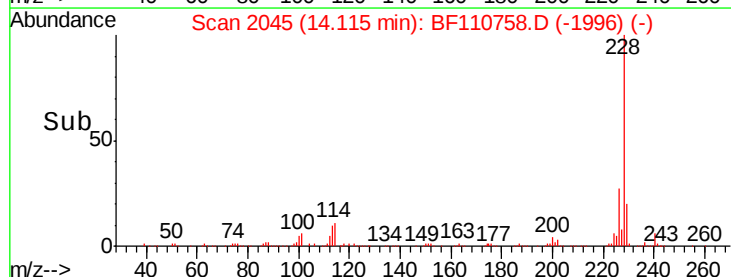
229 20.1 15.6 23.4

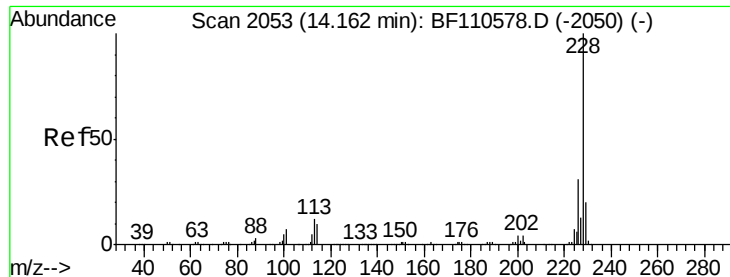


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#83

Chrysene

Concen: 20.128 ng

RT: 14.16 min Scan# 2052

Delta R.T. -0.01 min

Lab File: BF110758.D

Acq: 14 Nov 2018 9:41

Instrument :

BNA_F

ClientSampleId :

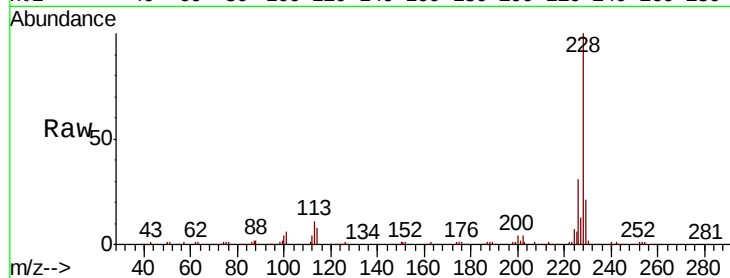
Tot Ion:228 Resp: 185163

Ion Ratio Lower Upper

228 100

226 30.6 24.7 37.1

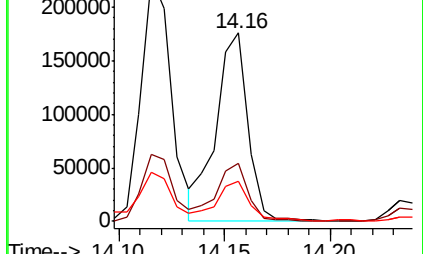
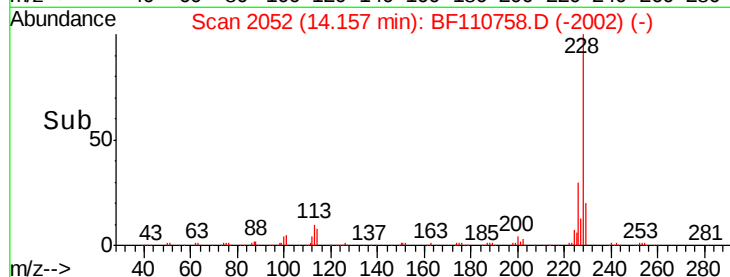
229 21.3 15.9 23.9



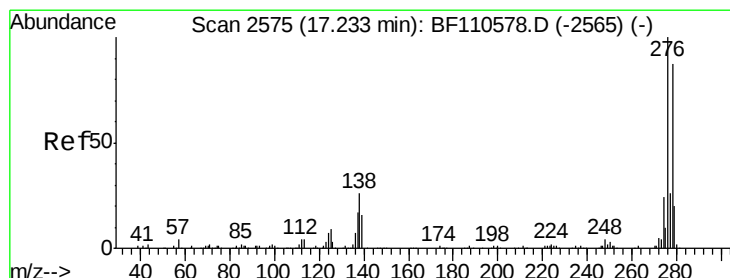
Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



Time--> 14.10 14.15 14.20



#86

Indeno(1,2,3-cd)pyrene

Concen: 8.999 ng

RT: 17.23 min Scan# 2574

Delta R.T. -0.01 min

Lab File: BF110758.D

Acq: 14 Nov 2018 9:41

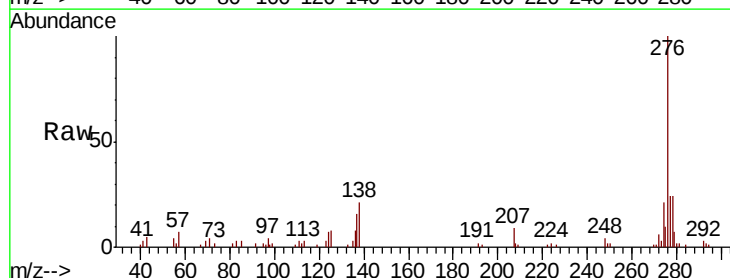
Tgt Ion:276 Resp: 59404

Ion Ratio Lower Upper

276 100

138 24.2 18.5 27.7

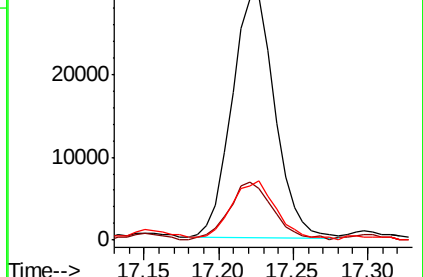
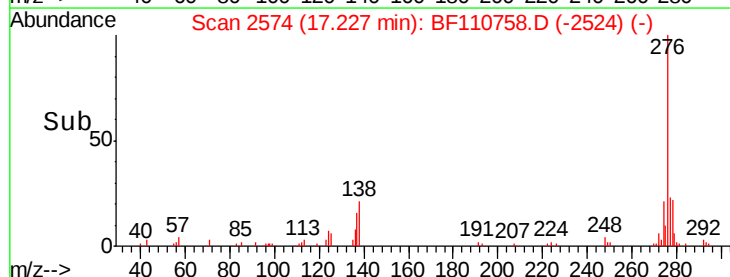
277 25.5 20.0 30.0



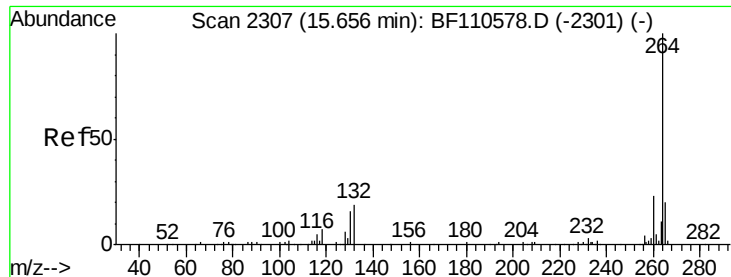
Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



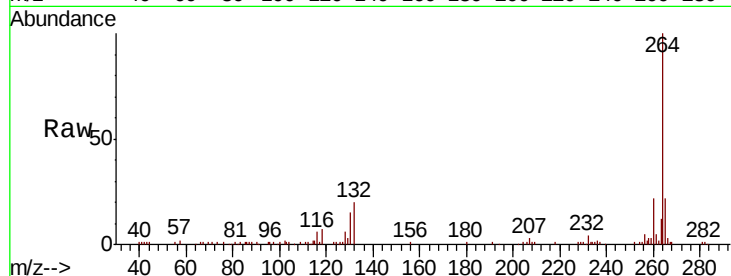
Time--> 17.15 17.20 17.25 17.30



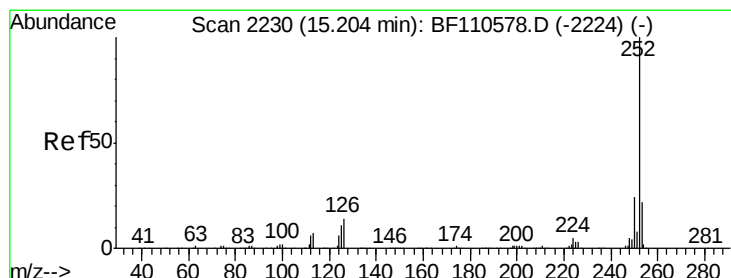
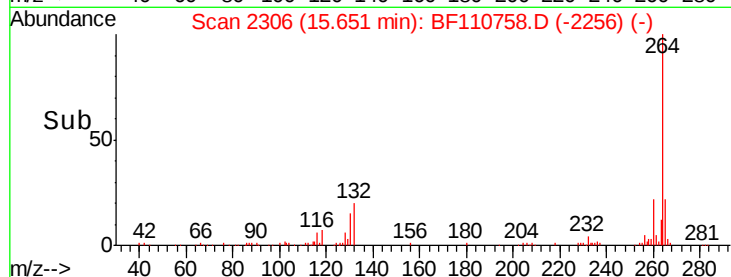
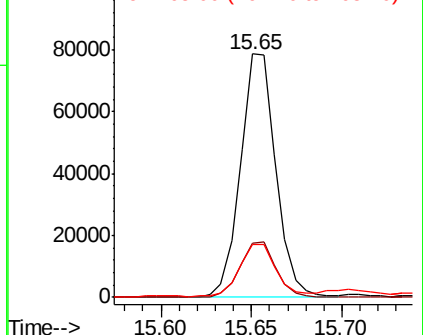
#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.65 min Scan# 2306
Delta R.T. -0.01 min
Lab File: BF110758.D
Acq: 14 Nov 2018 9:41

Instrument :
BNA_F
ClientSampled :

Tot Ion:264 Resp: 107156
Ion Ratio Lower Upper
264 100
260 22.4 18.7 28.1
265 21.8 16.7 25.1

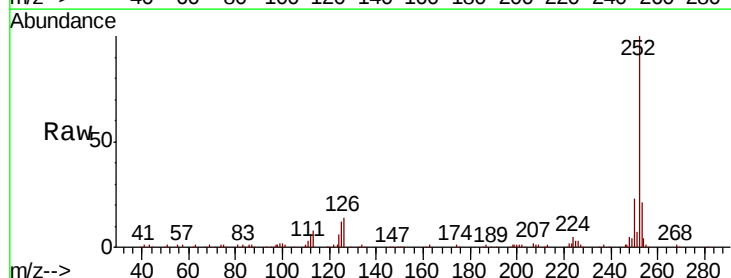


Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E

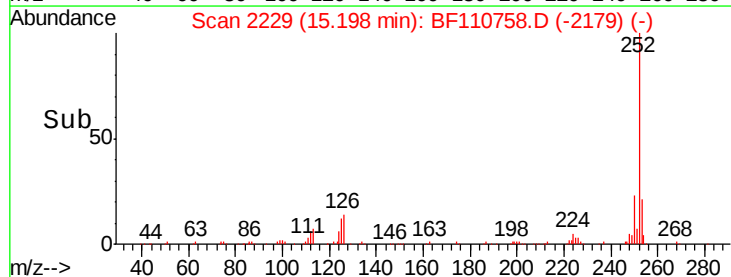
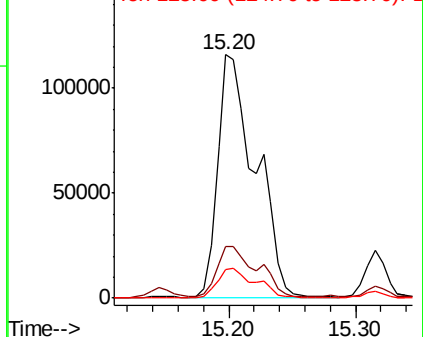


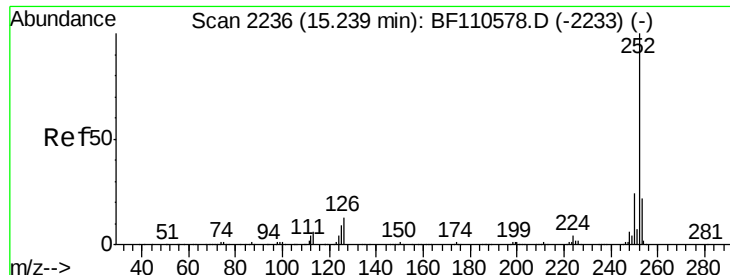
#88
Benzo(b)fluoranthene
Concen: 37.629 ng
RT: 15.20 min Scan# 2229
Delta R.T. -0.01 min
Lab File: BF110758.D
Acq: 14 Nov 2018 9:41

Tgt Ion:252 Resp: 241221
Ion Ratio Lower Upper
252 100
253 21.3 17.2 25.8
125 11.6 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

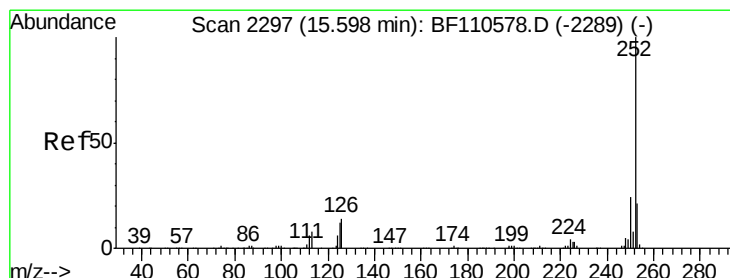
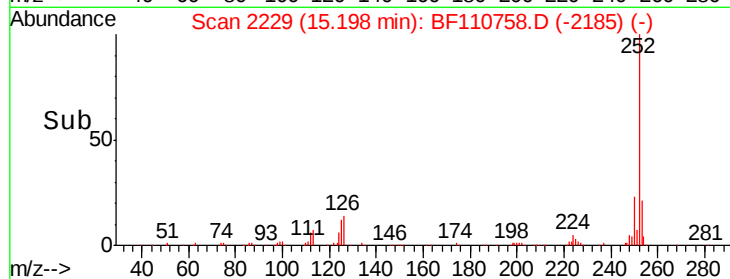
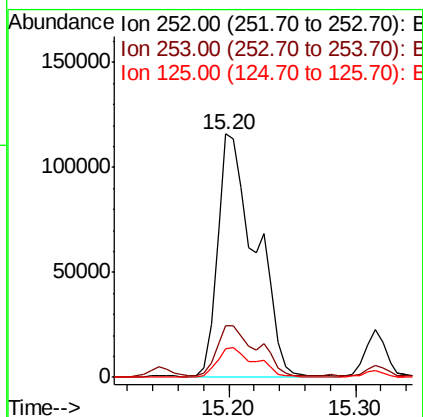
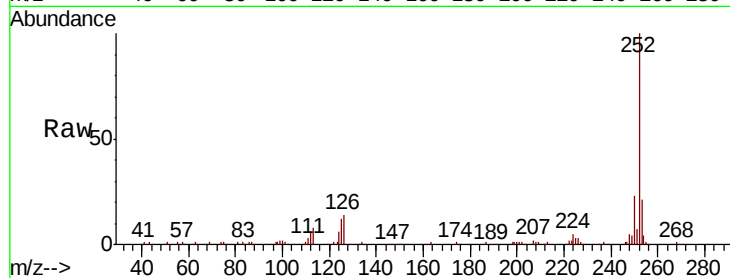




#89
Benzo(k)fluoranthene
Concen: 38.082 ng
RT: 15.20 min Scan# 2229
Delta R.T. -0.04 min
Lab File: BF110758.D
Acq: 14 Nov 2018 9:41

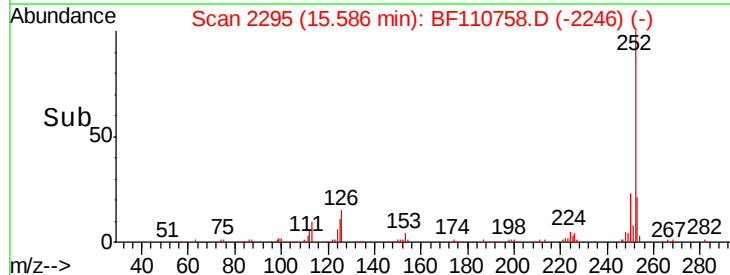
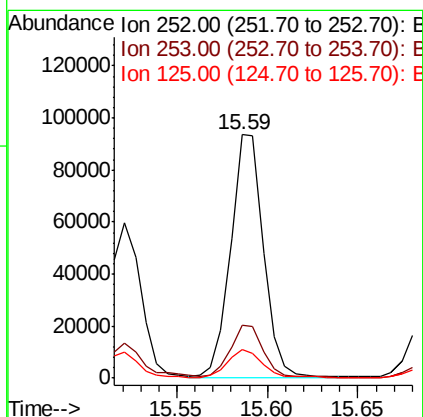
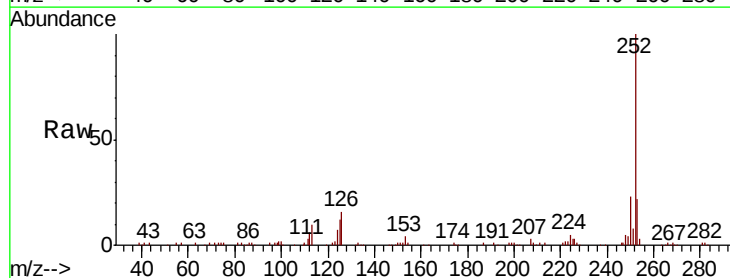
Instrument :
BNA_F
ClientSampleId :

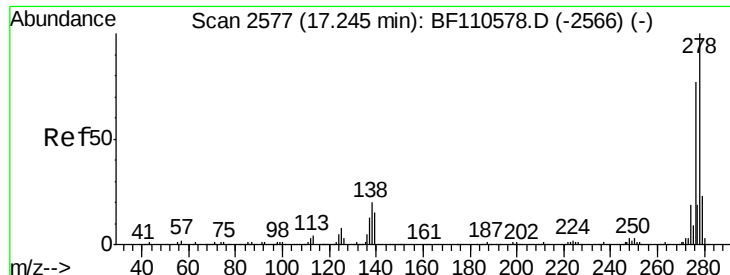
Tot Ion	Ratio	Lower	Upper
252	100		
253	21.3	17.2	25.8
125	11.6	7.4	11.0



#90
Benzo(a)pyrene
Concen: 20.444 ng
RT: 15.59 min Scan# 2295
Delta R.T. -0.01 min
Lab File: BF110758.D
Acq: 14 Nov 2018 9:41

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.7	18.2	27.4
125	11.6	9.0	13.6



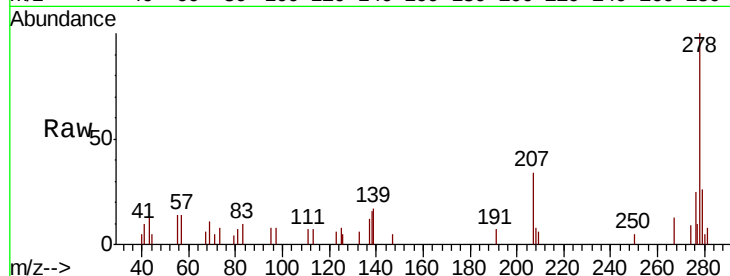


#91
Dibenzo(a,h)anthracene
Concen: 3.028 ng
RT: 17.41 min Scan# 2605
Delta R.T. 0.16 min
Lab File: BF110758.D
Acq: 14 Nov 2018 9:41

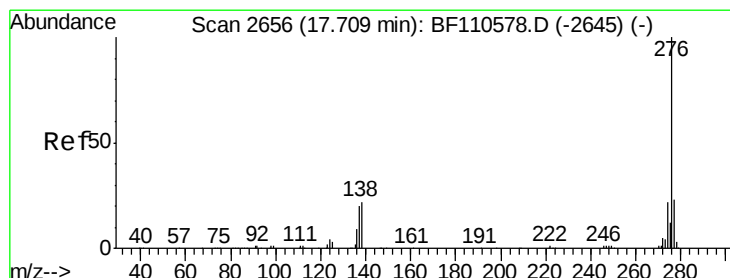
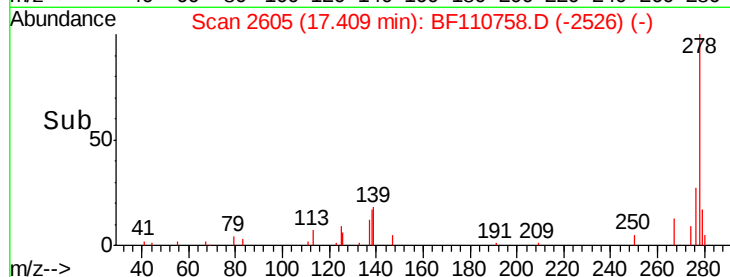
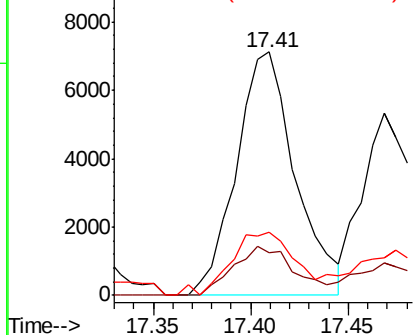
Instrument :
BNA_F
ClientSampled :

Tot Ion:278 Resp: 14927

Ion	Ratio	Lower	Upper
278	100		
139	17.4	12.7	19.1
279	25.9	19.0	28.4



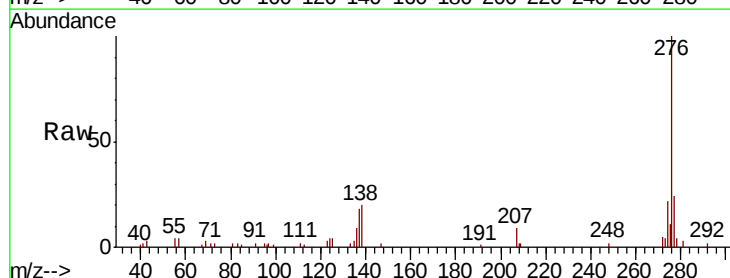
Abundance Ion 278.00 (277.70 to 278.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 279.00 (278.70 to 279.70): E



#92
Benzo(g,h,i)perylene
Concen: 11.109 ng
RT: 17.70 min Scan# 2655
Delta R.T. -0.01 min
Lab File: BF110758.D
Acq: 14 Nov 2018 9:41

Tgt Ion:276 Resp: 54326

Ion	Ratio	Lower	Upper
276	100		
277	23.9	18.8	28.2
138	19.7	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

