

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF092518\
 Data File : BF109292.D
 Acq On : 25 Sep 2018 18:10
 Operator : JU/SJ
 Sample : J4779-07 5X
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Sep 26 02:26:24 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF092218.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Sep 22 13:32:18 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.71	152	112422	20.00	ng	0.00
21) Naphthalene-d8	7.99	136	439736	20.00	ng	0.00
38) Acenaphthene-d10	9.74	164	187565	20.00	ng	0.00
63) Phenanthrene-d10	11.22	188	311439	20.00	ng	0.00
75) Chrysene-d12	13.84	240	257498	20.00	ng	0.00
86) Perylene-d12	15.25	264	196489	20.00	ng	0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.31	112	97345	14.26	ng	0.00
7) Phenol-d6	6.34	99	128502	14.75	ng	-0.02
23) Nitrobenzene-d5	7.26	82	72880	9.78	ng	-0.02
41) 2,4,6-Tribromophenol	10.52	330	23236	12.57	ng	-0.01
44) 2-Fluorobiphenyl	9.06	172	146352	11.77	ng	-0.01
78) Terphenyl-d14	12.80	244	119044	11.35	ng	0.00

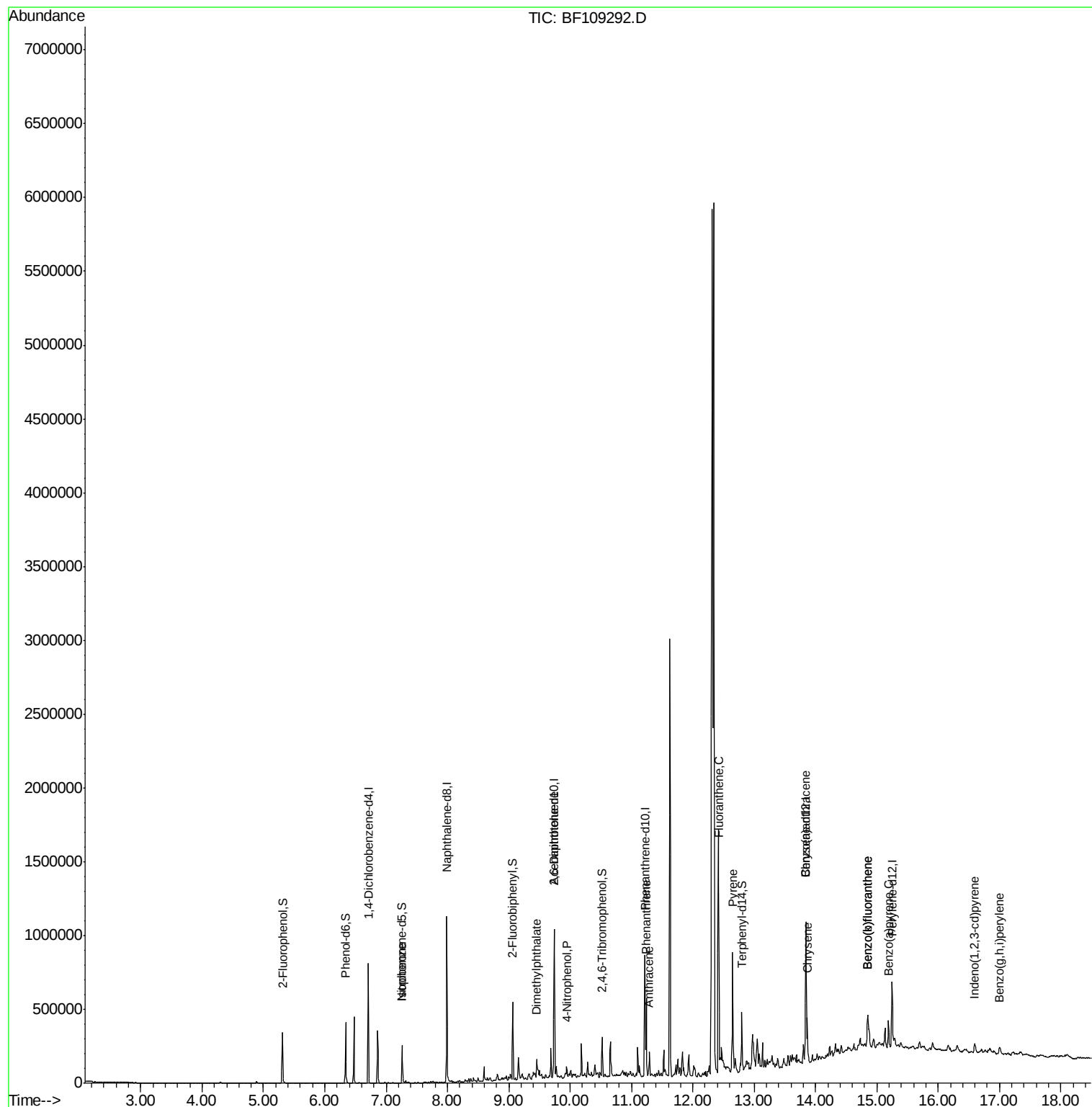
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
25) Isophorone	7.26	82	56425	4.206	ng	# 64
49) Dimethylphthalate	9.46	163	39616	2.904	ng	# 99
50) 2,6-Dinitrotoluene	9.74	165	25199	9.326	ng	# 26
55) 4-Nitrophenol	9.95	139	5174	2.195	ng	# 17
70) Phenanthrene	11.24	178	190378	12.243	ng	98
71) Anthracene	11.29	178	54562	3.459	ng	100
74) Fluoranthene	12.43	202	317499	19.106	ng	96
77) Pyrene	12.66	202	296600	16.072	ng	99
80) Benzo(a)anthracene	13.84	228	147408	9.504	ng	99
82) Chrysene	13.87	228	124412	8.093	ng	97
85) Indeno(1,2,3-cd)pyrene	16.60	276	40258	3.231	ng	# 90
87) Benzo(b)fluoranthene	14.85	252	156040	14.452	ng	95
88) Benzo(k)fluoranthene	14.85	252	156040	15.230	ng	98
89) Benzo(a)pyrene	15.19	252	81281	8.355	ng	98
91) Benzo(a,h,i)perylene	17.00	276	36789	4.690	ng	# 89

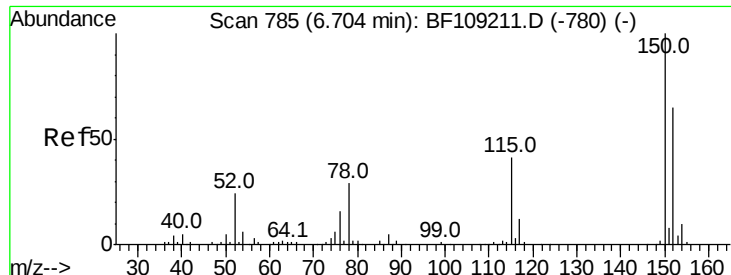
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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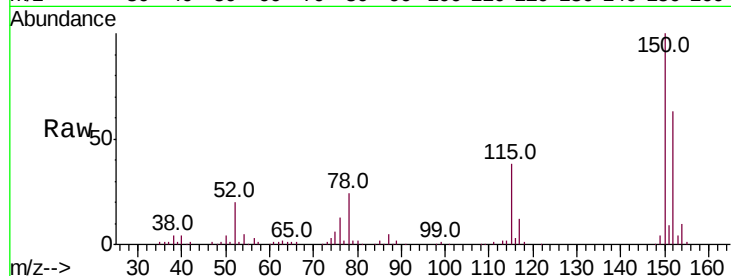


#1

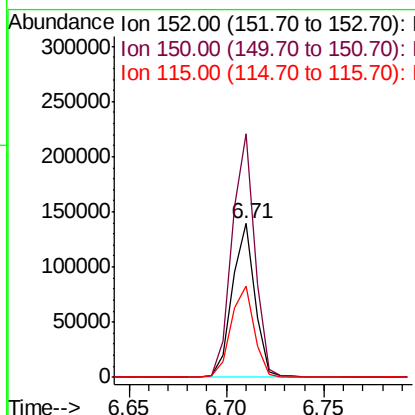
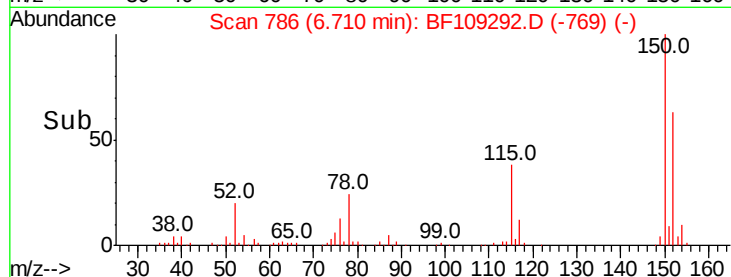
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.71 min Scan# 786
Delta R.T. 0.00 min
Lab File: BF109292.D
Acq: 25 Sep 2018 18:10

Instrument :
BNA_F
ClientSampled :

Tot Ion:152 Resp: 112422
Ion Ratio Lower Upper
152 100
150 158.1 124.6 186.8
115 59.6 50.1 75.1



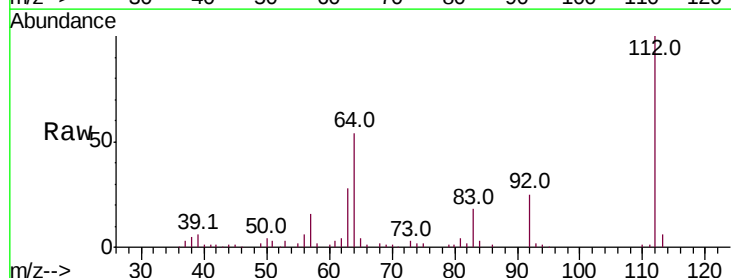
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



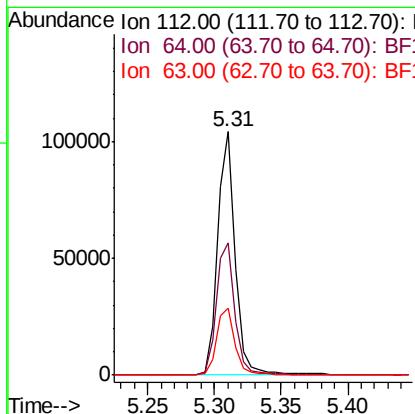
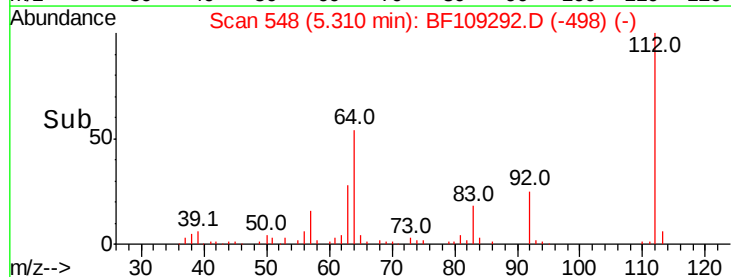
#5

2-Fluorophenol
Concen: 14.262 ng
RT: 5.31 min Scan# 548
Delta R.T. -0.01 min
Lab File: BF109292.D
Acq: 25 Sep 2018 18:10

Tgt Ion:112 Resp: 97345
Ion Ratio Lower Upper
112 100
64 54.3 47.9 71.9
63 27.6 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: 14.754 ng

RT: 6.34 min Scan# 723

Delta R.T. -0.02 min

Lab File: BF109292.D

Acq: 25 Sep 2018 18:10

Instrument :

BNA_F

ClientSampleId :

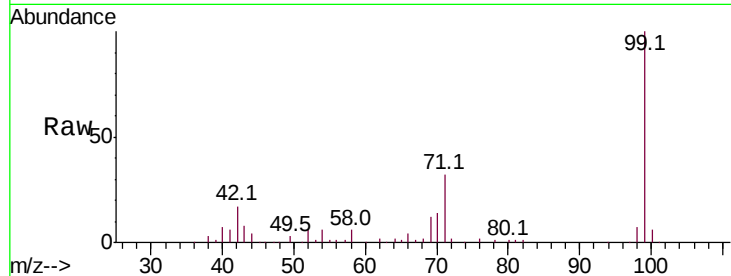
Tot Ion: 99 Resp: 128502

Ion Ratio Lower Upper

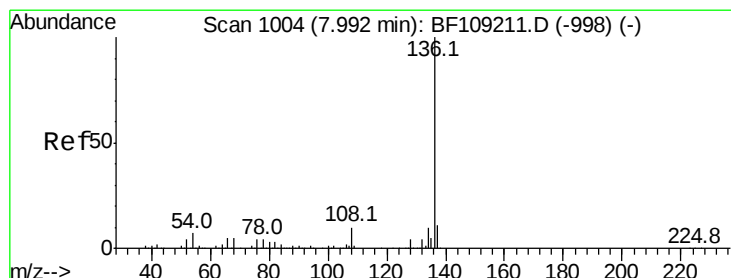
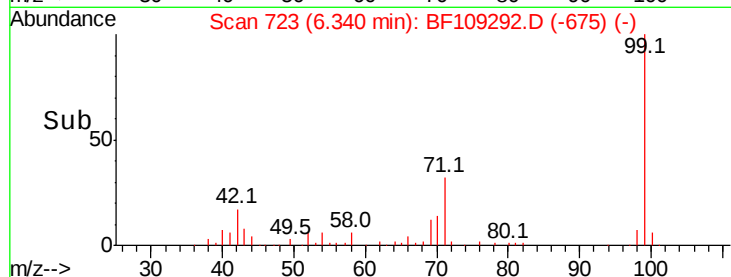
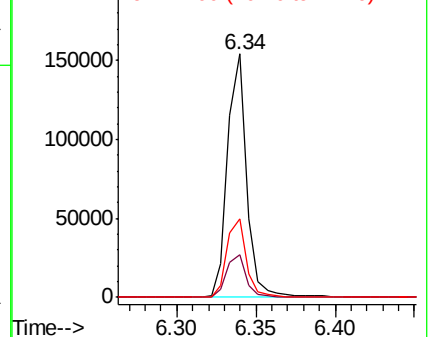
99 100

42 17.3 14.5 21.7

71 32.1 25.4 38.0



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: 7.99 min Scan# 1004

Delta R.T. 0.00 min

Lab File: BF109292.D

Acq: 25 Sep 2018 18:10

Tgt Ion: 136 Resp: 439736

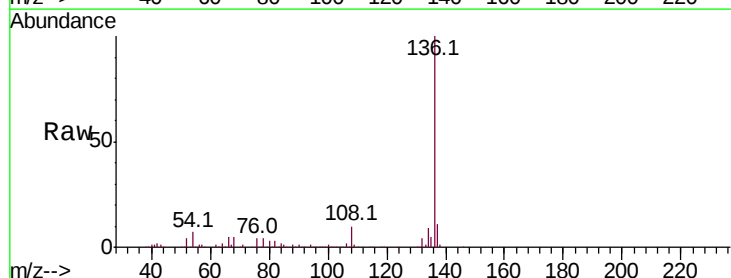
Ion Ratio Lower Upper

136 100

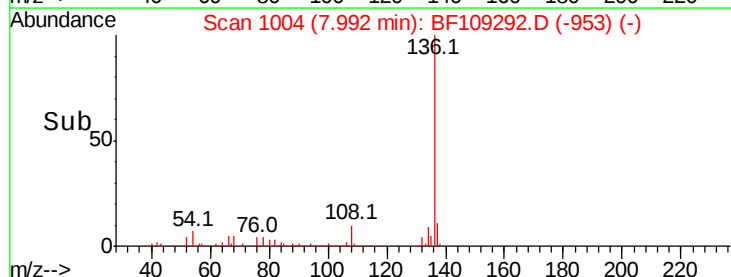
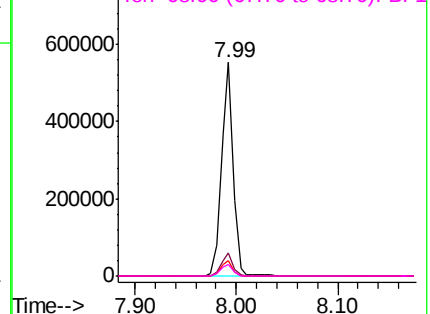
137 10.9 8.9 13.3

54 7.0 6.6 9.8

68 5.5 5.0 7.4



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

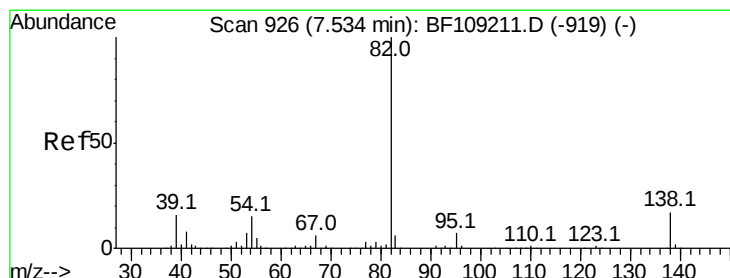
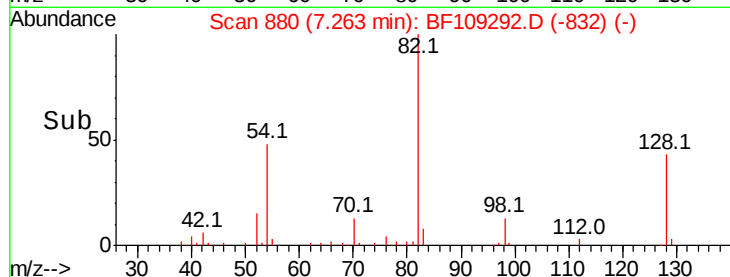
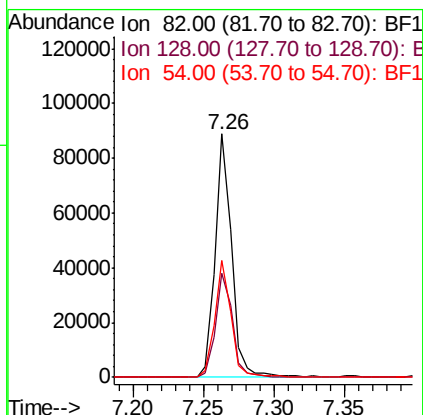
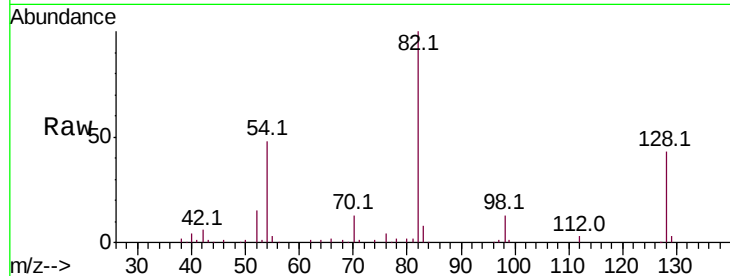




#23
 Nitrobenzene-d5
 Concen: 9.784 ng
 RT: 7.26 min Scan# 880
 Delta R.T. -0.02 min
 Lab File: BF109292.D
 Acq: 25 Sep 2018 18:10

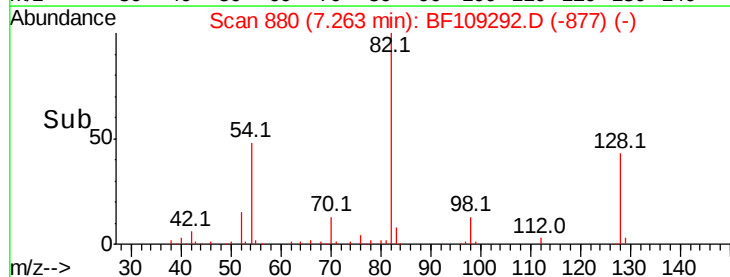
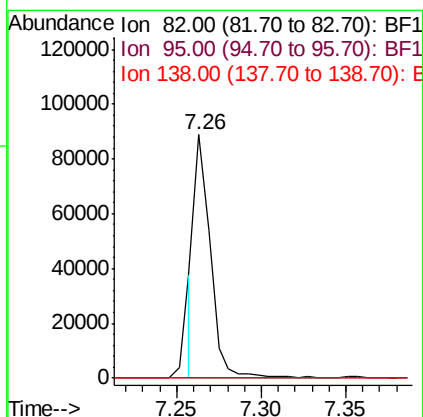
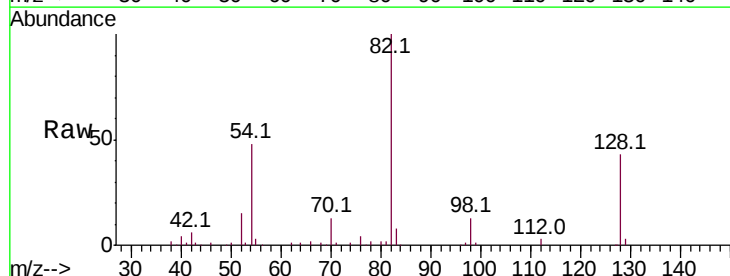
Instrument :
 BNA_F
 ClientSampleID :

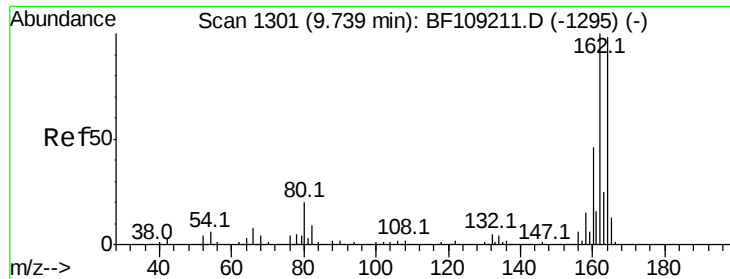
Tot Ion	82	Resp	72880
Ion Ratio	Lower	Upper	
82	100		
128	42.7	36.1	54.1
54	48.0	41.4	62.2



#25
 Isophorone
 Concen: 4.206 ng
 RT: 7.26 min Scan# 880
 Delta R.T. -0.28 min
 Lab File: BF109292.D
 Acq: 25 Sep 2018 18:10

Tgt Ion	82	Resp	56425
Ion Ratio	Lower	Upper	
82	100		
95	0.0	5.2	7.8#
138	0.0	14.9	22.3#

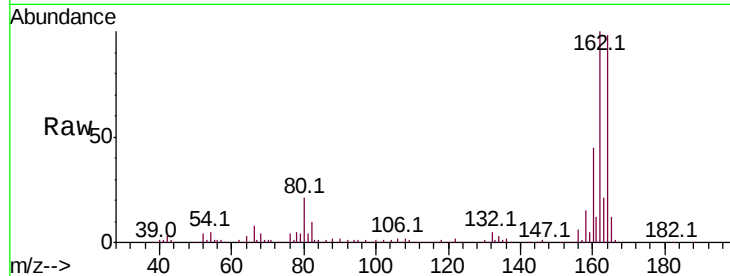




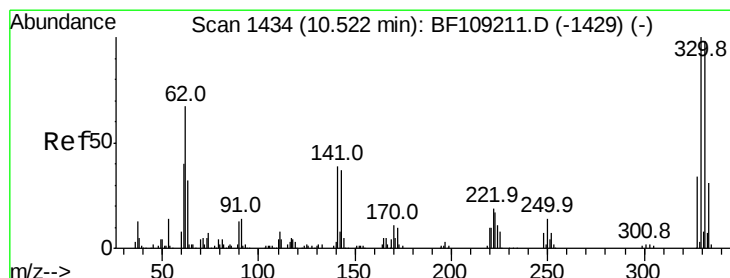
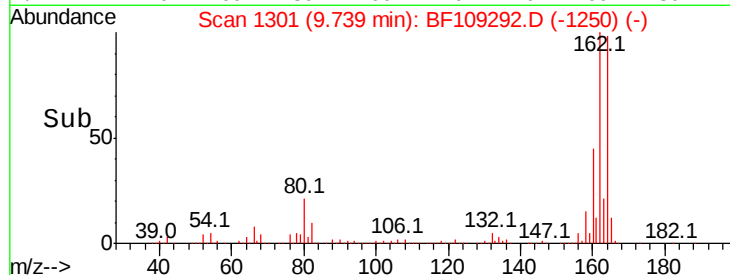
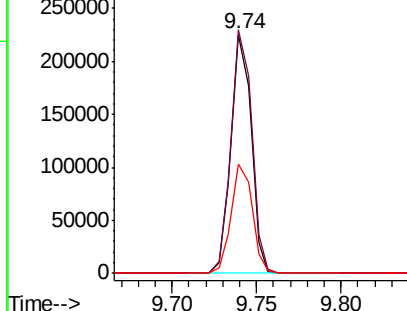
#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.74 min Scan# 1301
 Delta R.T. 0.00 min
 Lab File: BF109292.D
 Acq: 25 Sep 2018 18:10

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:164 Resp: 187565
 Ion Ratio Lower Upper
 164 100
 162 101.8 86.1 129.1
 160 45.6 38.3 57.5

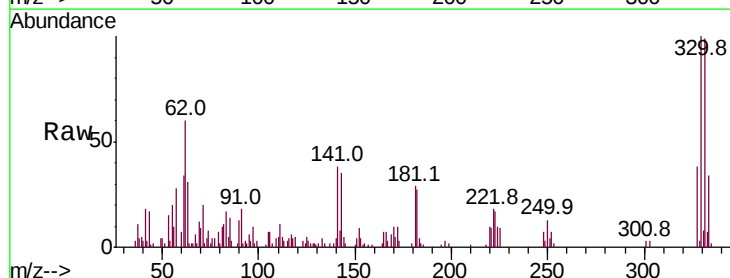


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

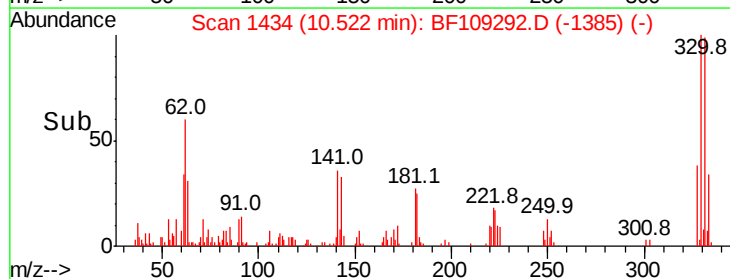
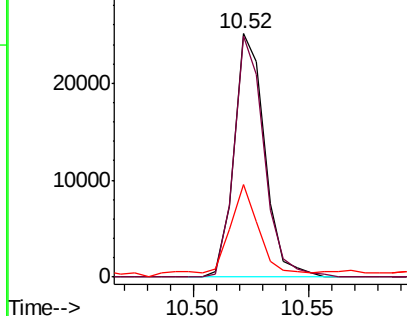


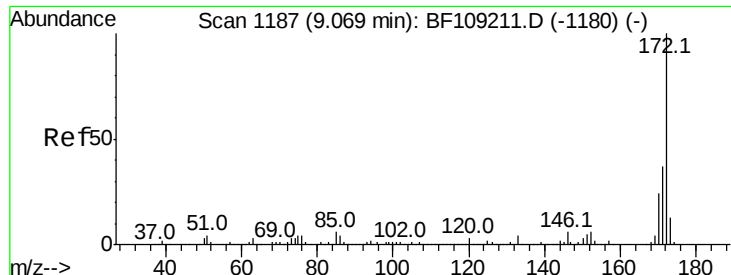
#41
 2,4,6-Tribromophenol
 Concen: 12.567 ng
 RT: 10.52 min Scan# 1434
 Delta R.T. -0.01 min
 Lab File: BF109292.D
 Acq: 25 Sep 2018 18:10

Tgt Ion:330 Resp: 23236
 Ion Ratio Lower Upper
 330 100
 332 97.3 77.0 115.6
 141 40.0 29.9 44.9



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

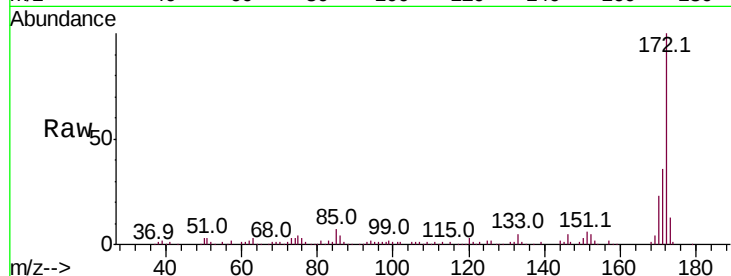




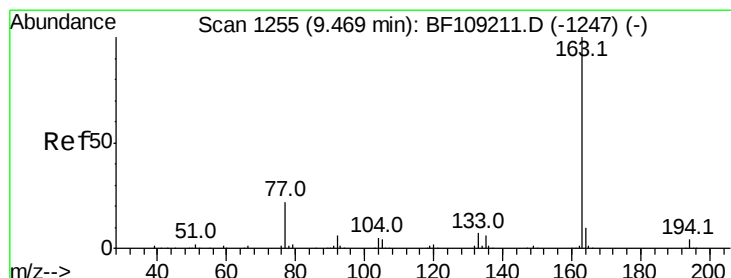
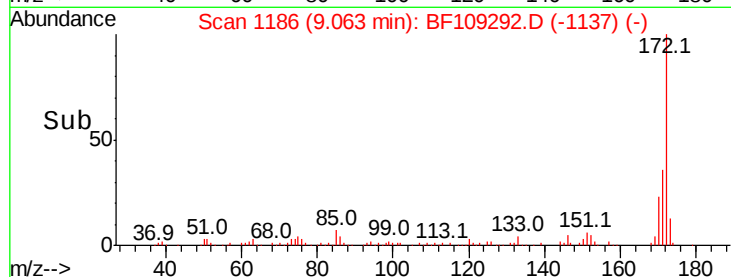
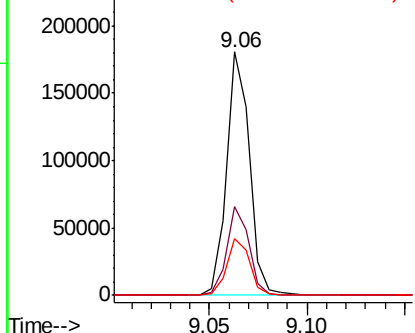
#44
2-Fluorobiphenyl
Concen: 11.768 ng
RT: 9.06 min Scan# 1186
Delta R.T. -0.01 min
Lab File: BF109292.D
Acq: 25 Sep 2018 18:10

Instrument :
BNA_F
ClientSampleId :

Tot Ion:172 Resp: 146352
Ion Ratio Lower Upper
172 100
171 36.4 29.7 44.5
170 23.5 19.6 29.4

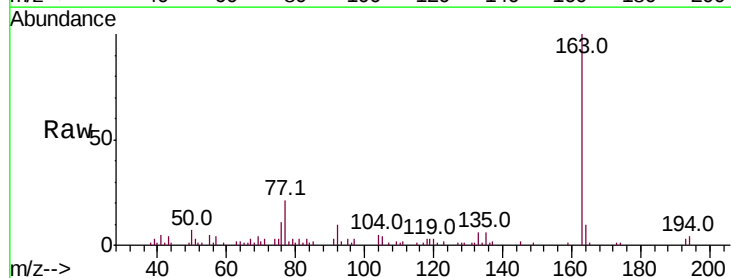


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

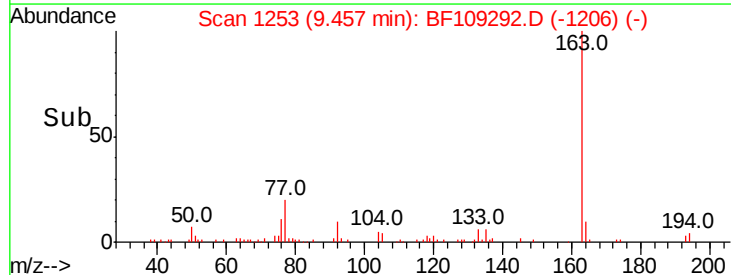
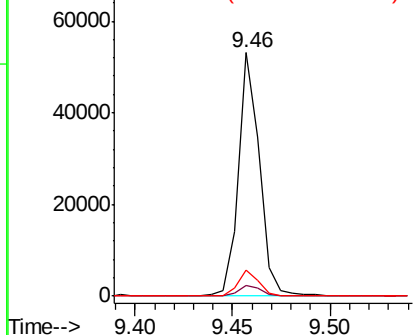


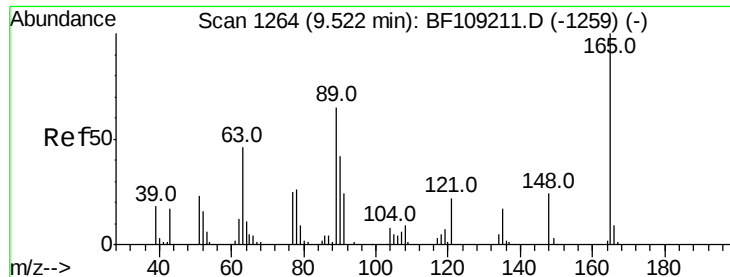
#49
Dimethylphthalate
Concen: 2.904 ng
RT: 9.46 min Scan# 1253
Delta R.T. -0.02 min
Lab File: BF109292.D
Acq: 25 Sep 2018 18:10

Tgt Ion:163 Resp: 39616
Ion Ratio Lower Upper
163 100
194 4.2 2.7 4.1#
164 10.5 8.2 12.2



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

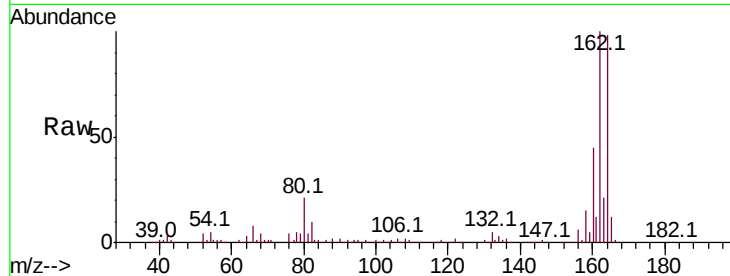




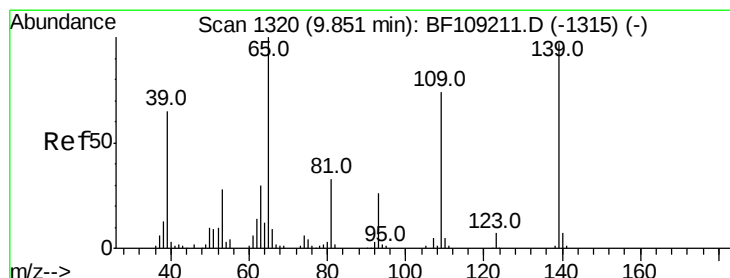
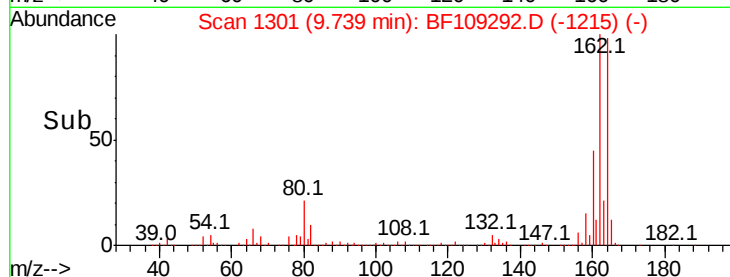
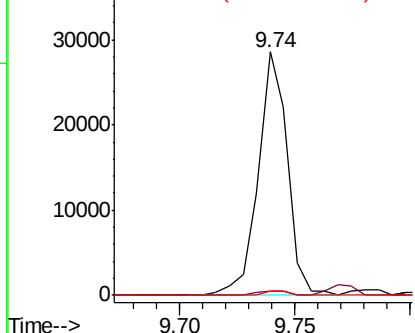
#50
 2,6-Dinitrotoluene
 Concen: 9.326 ng
 RT: 9.74 min Scan# 1301
 Delta R.T. 0.21 min
 Lab File: BF109292.D
 Acq: 25 Sep 2018 18:10

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:165 Resp: 25199
 Ion Ratio Lower Upper
 165 100
 63 1.7 44.7 67.1#
 89 1.7 44.0 66.0#

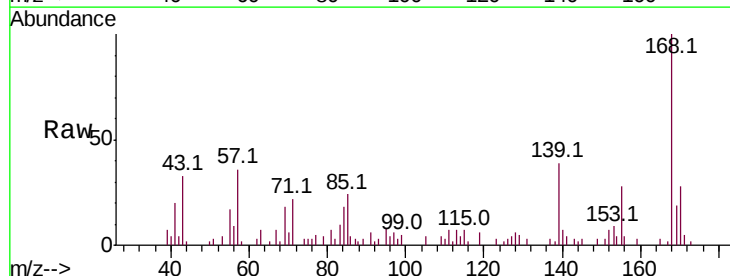


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF1
 Ion 89.00 (88.70 to 89.70): BF1

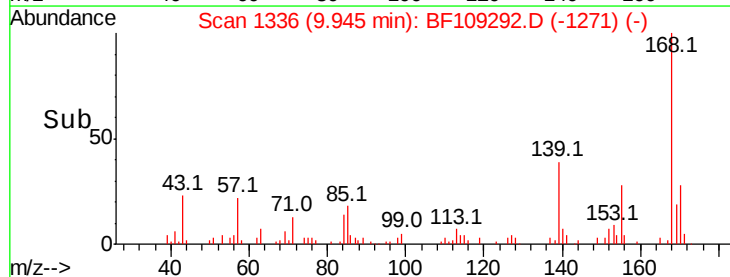
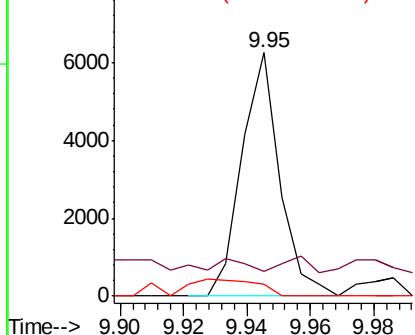


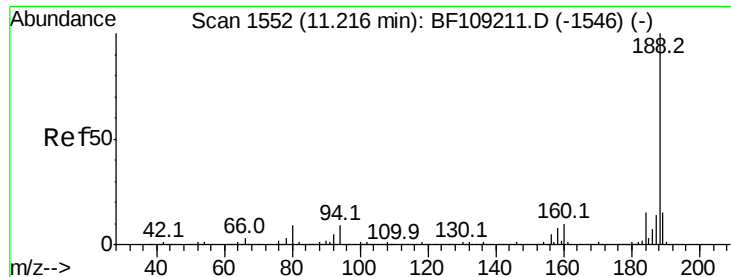
#55
 4-Nitrophenol
 Concen: 2.195 ng
 RT: 9.95 min Scan# 1336
 Delta R.T. 0.08 min
 Lab File: BF109292.D
 Acq: 25 Sep 2018 18:10

Tgt Ion:139 Resp: 5174
 Ion Ratio Lower Upper
 139 100
 109 10.1 48.4 88.4#
 65 4.9 72.6 112.6#



Abundance Ion 139.00 (138.70 to 139.70): E
 Ion 109.00 (108.70 to 109.70): E
 Ion 65.00 (64.70 to 65.70): BF1





#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.22 min Scan# 1553

Delta R.T. 0.01 min

Lab File: BF109292.D

Acq: 25 Sep 2018 18:10

Instrument :

BNA_F

ClientSampleId :

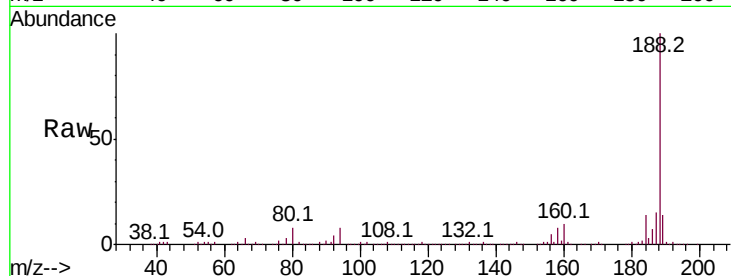
Tot Ion:188 Resp: 311439

Ion Ratio Lower Upper

188 100

94 8.3 8.5 12.7#

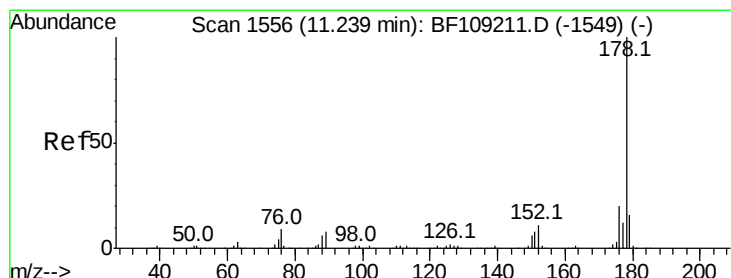
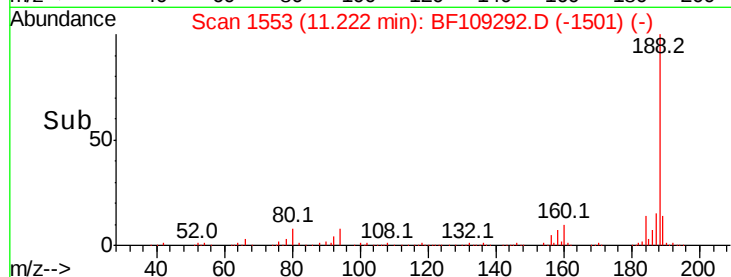
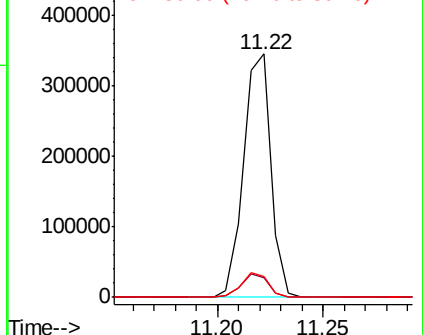
80 8.4 9.2 13.8#



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: 12.243 ng

RT: 11.24 min Scan# 1556

Delta R.T. -0.01 min

Lab File: BF109292.D

Acq: 25 Sep 2018 18:10

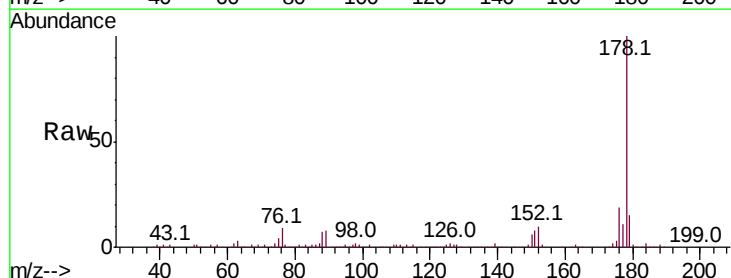
Tgt Ion:178 Resp: 190378

Ion Ratio Lower Upper

178 100

176 18.9 15.8 23.8

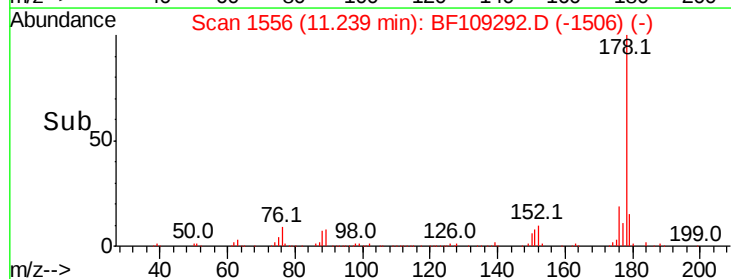
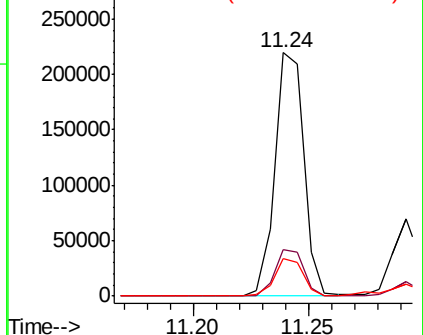
179 15.4 13.0 19.6

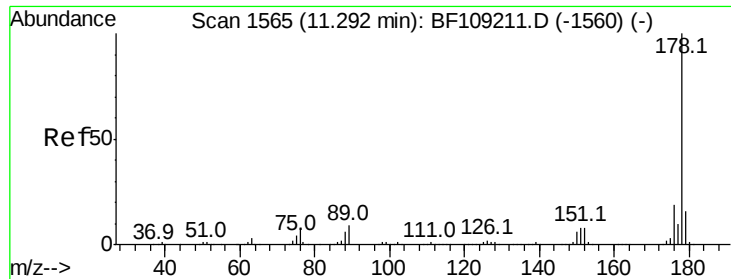


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

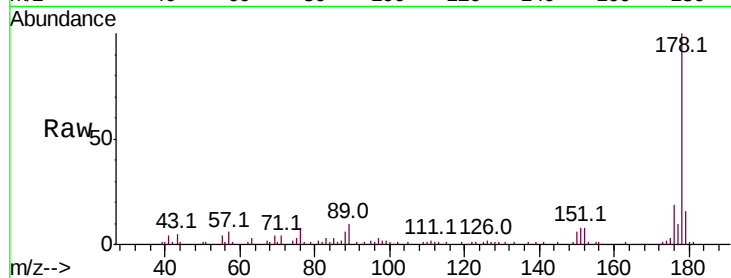




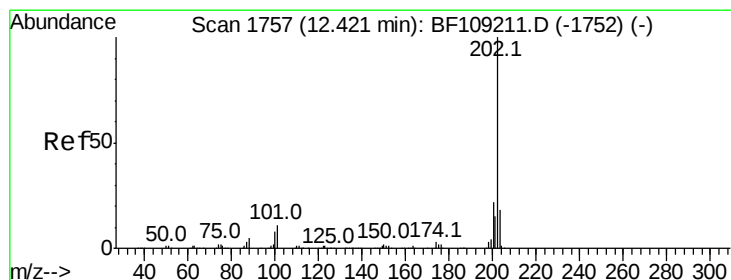
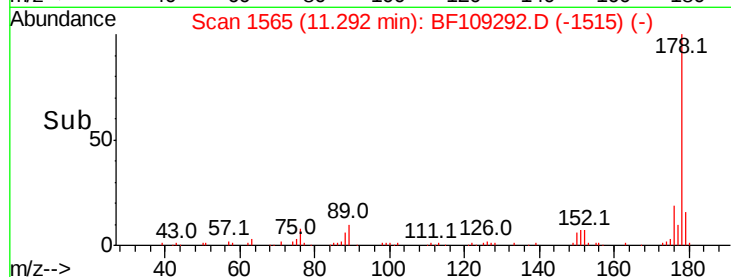
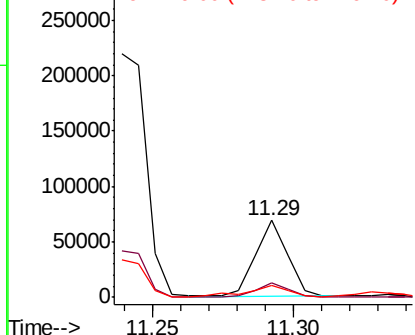
#71
 Anthracene
 Concen: 3.459 ng
 RT: 11.29 min Scan# 1565
 Delta R.T. -0.01 min
 Lab File: BF109292.D
 Acq: 25 Sep 2018 18:10

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:178 Resp: 54562
 Ion Ratio Lower Upper
 178 100
 176 19.1 15.4 23.2
 179 15.8 12.6 19.0

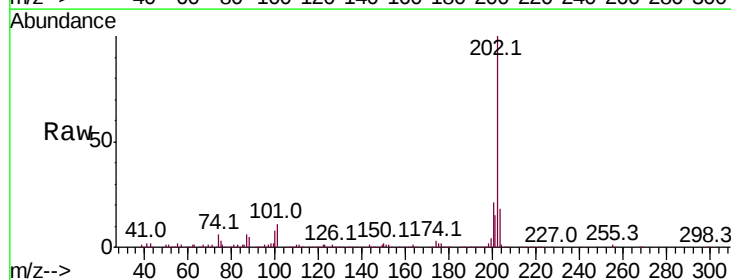


Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E

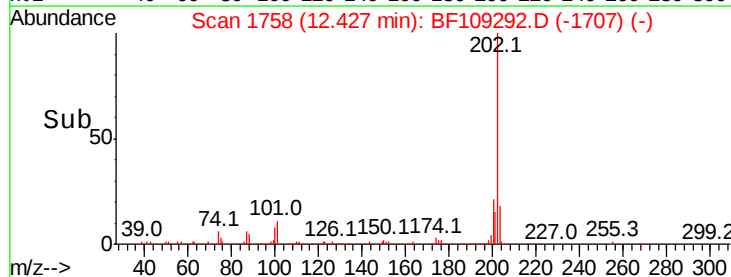
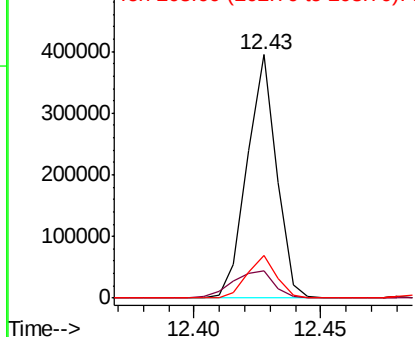


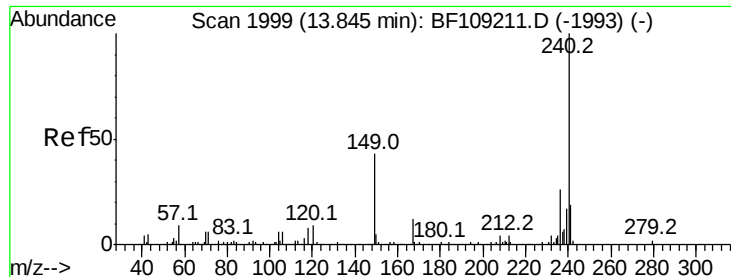
#74
 Fluoranthene
 Concen: 19.106 ng
 RT: 12.43 min Scan# 1758
 Delta R.T. 0.00 min
 Lab File: BF109292.D
 Acq: 25 Sep 2018 18:10

Tgt Ion:202 Resp: 317499
 Ion Ratio Lower Upper
 202 100
 101 11.1 0.0 34.1
 203 17.6 0.0 38.1



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. 0.00 min

Lab File: BF109292.D

Acq: 25 Sep 2018 18:10

Instrument :

BNA_F

ClientSampleId :

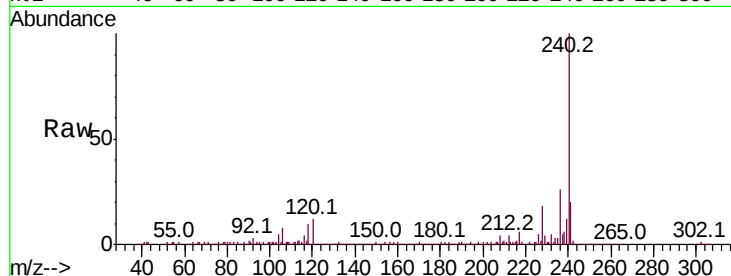
Tot Ion:240 Resp: 257498

Ion Ratio Lower Upper

240 100

120 12.5 9.5 14.3

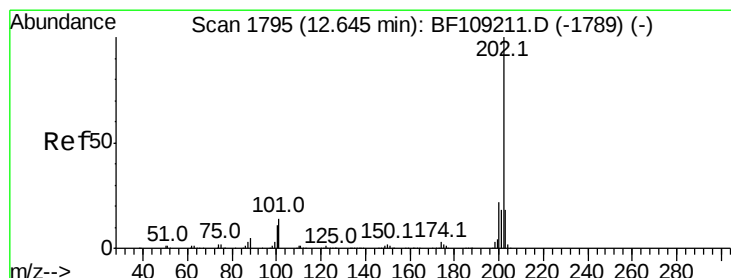
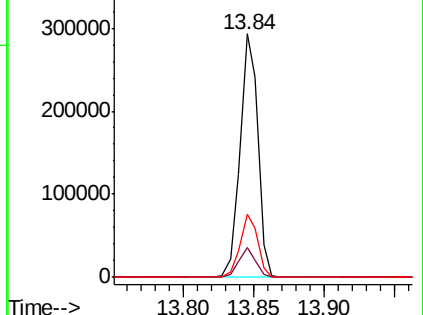
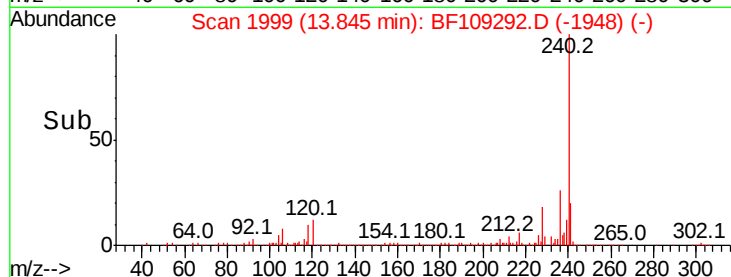
236 26.0 20.7 31.1



Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#77

Pyrene

Concen: 16.072 ng

RT: 12.66 min Scan# 1797

Delta R.T. 0.00 min

Lab File: BF109292.D

Acq: 25 Sep 2018 18:10

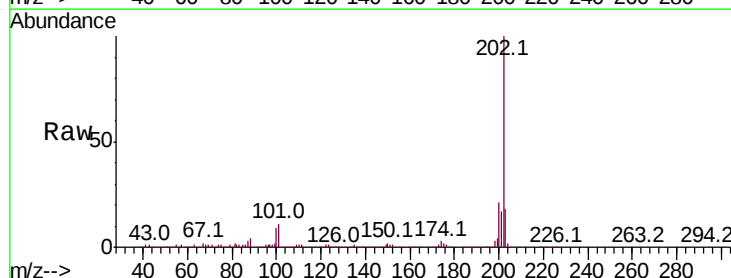
Tgt Ion:202 Resp: 296600

Ion Ratio Lower Upper

202 100

200 21.1 17.4 26.2

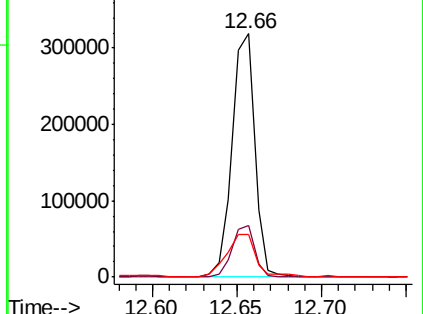
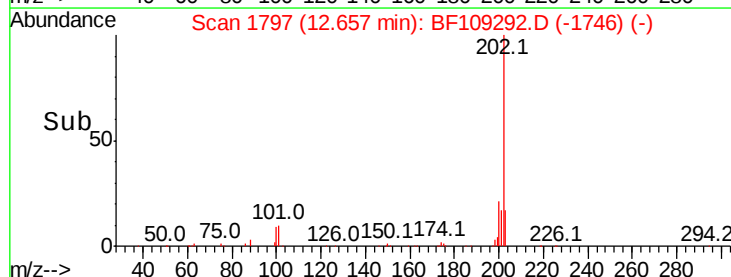
203 17.6 14.3 21.5

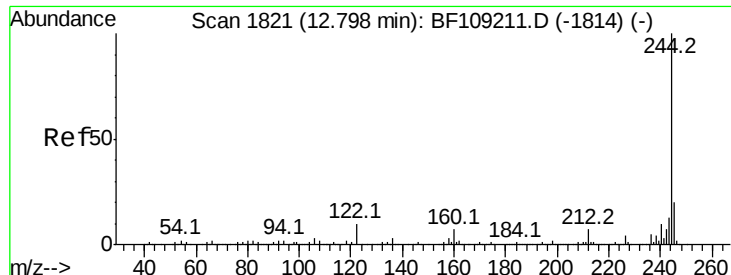


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 11.346 ng

RT: 12.80 min Scan# 1821

Delta R.T. -0.01 min

Lab File: BF109292.D

Acq: 25 Sep 2018 18:10

Instrument :

BNA_F

ClientSampled :

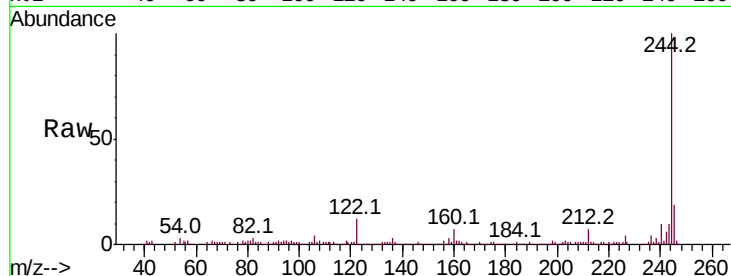
Tot Ion:244 Resp: 119044

Ion Ratio Lower Upper

244 100

212 7.0 5.4 8.0

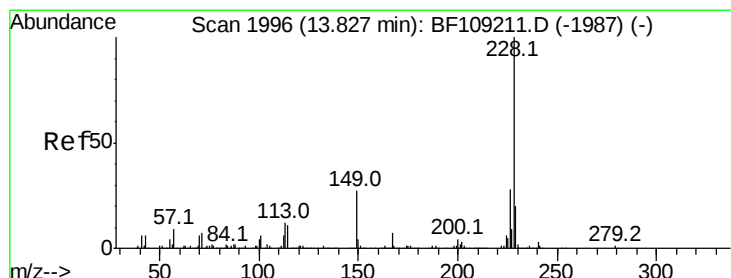
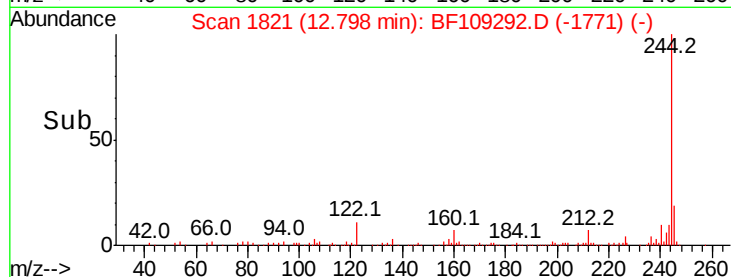
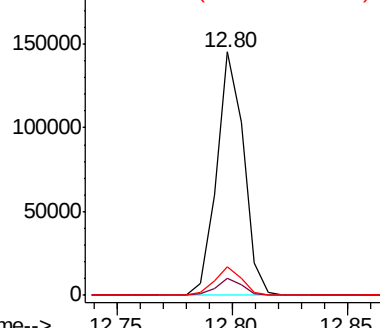
122 11.8 11.0 16.4



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: 9.504 ng

RT: 13.84 min Scan# 1998

Delta R.T. 0.01 min

Lab File: BF109292.D

Acq: 25 Sep 2018 18:10

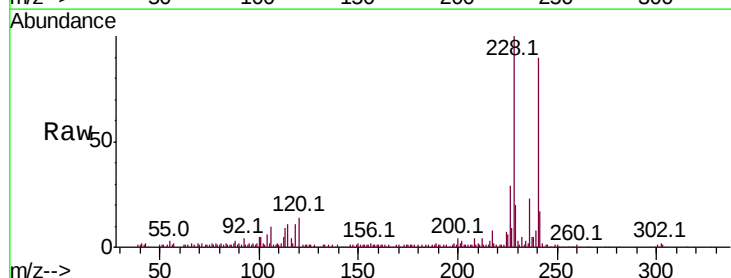
Tgt Ion:228 Resp: 147408

Ion Ratio Lower Upper

228 100

226 28.8 22.6 33.8

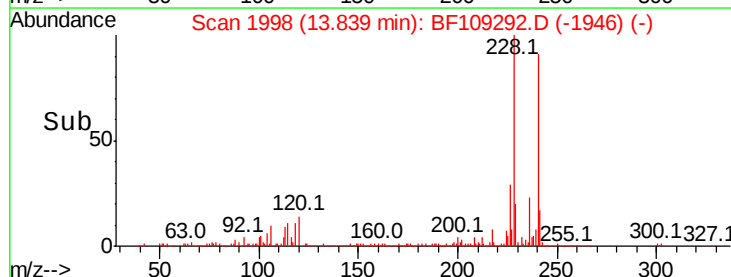
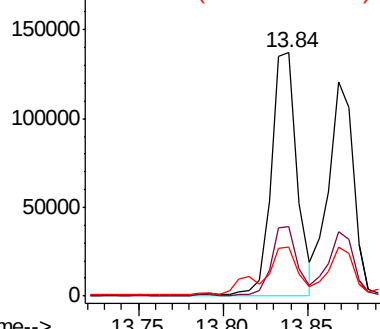
229 20.0 15.8 23.6

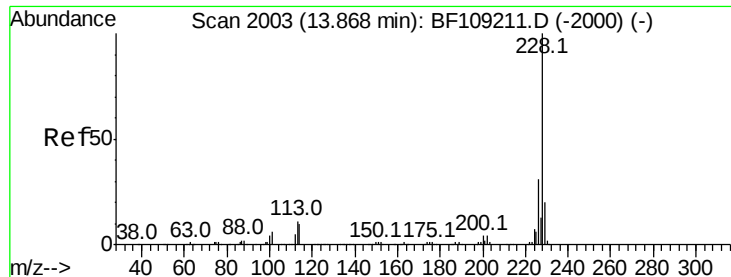


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#82

Chrysene

Concen: 8.093 ng

RT: 13.87 min Scan# 2003

Delta R.T. -0.01 min

Lab File: BF109292.D

Acq: 25 Sep 2018 18:10

Instrument :

BNA_F

ClientSampleId :

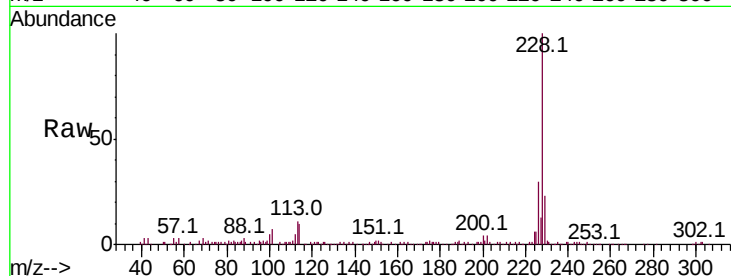
Tot Ion:228 Resp: 124412

Ion Ratio Lower Upper

228 100

226 30.2 25.0 37.6

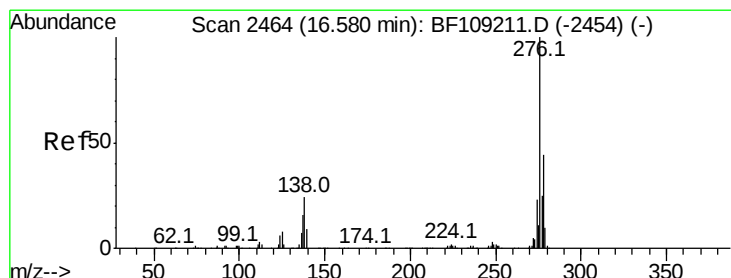
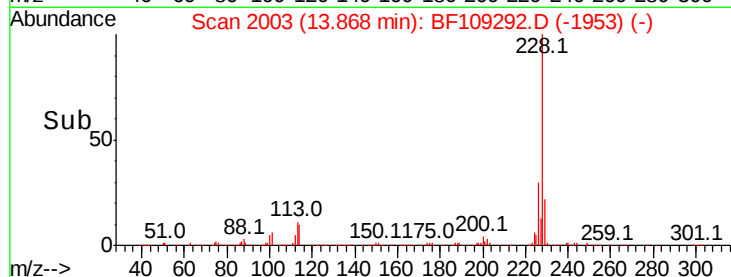
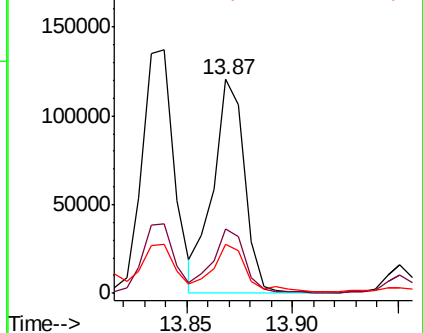
229 22.7 16.2 24.4



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



#85

Indeno(1,2,3-cd)pyrene

Concen: 3.231 ng

RT: 16.60 min Scan# 2467

Delta R.T. 0.01 min

Lab File: BF109292.D

Acq: 25 Sep 2018 18:10

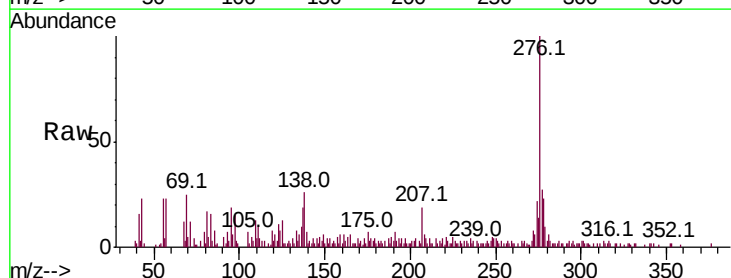
Tgt Ion:276 Resp: 40258

Ion Ratio Lower Upper

276 100

138 21.8 25.0 37.6#

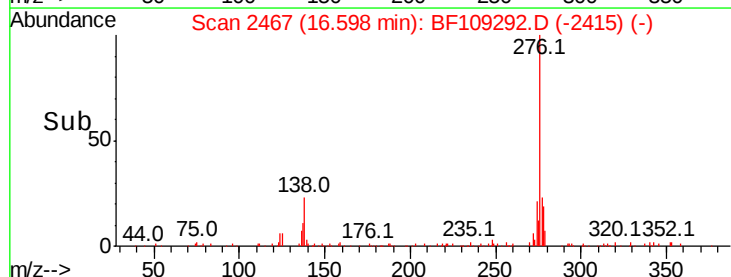
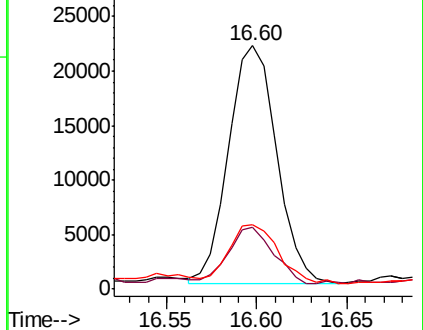
277 25.4 20.1 30.1

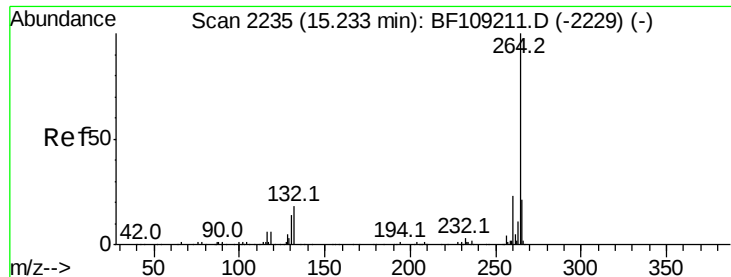


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

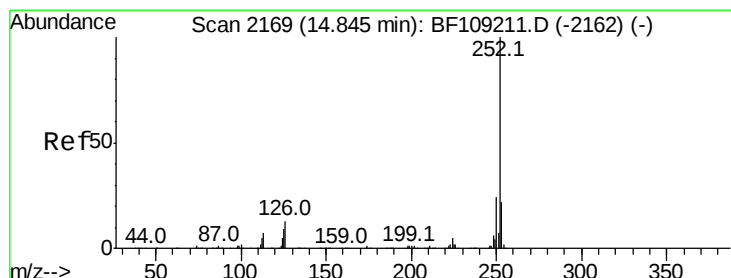
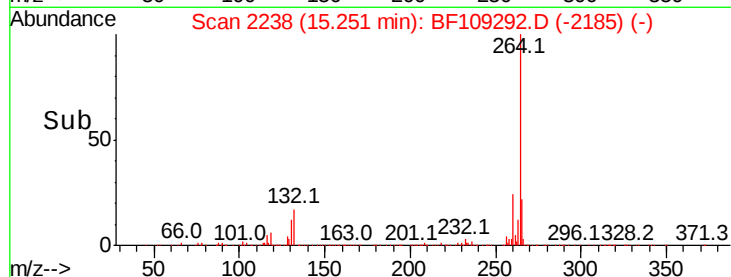
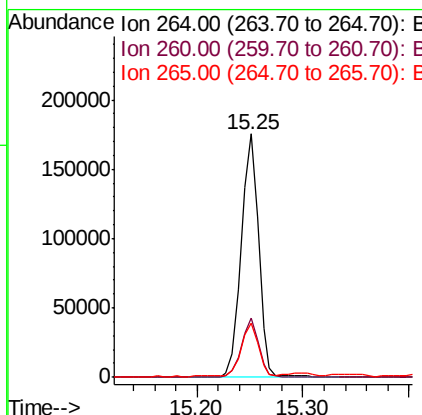
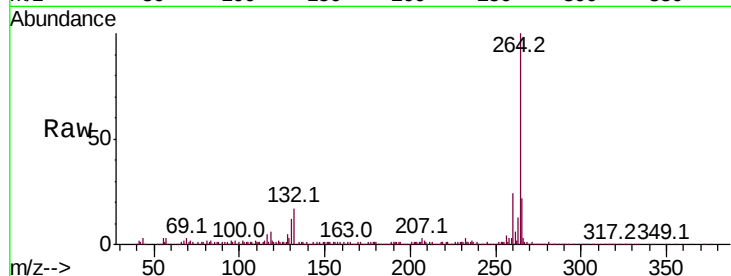




#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.25 min Scan# 2238
Delta R.T. 0.01 min
Lab File: BF109292.D
Acq: 25 Sep 2018 18:10

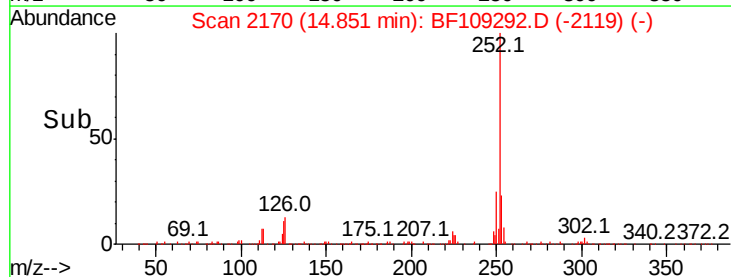
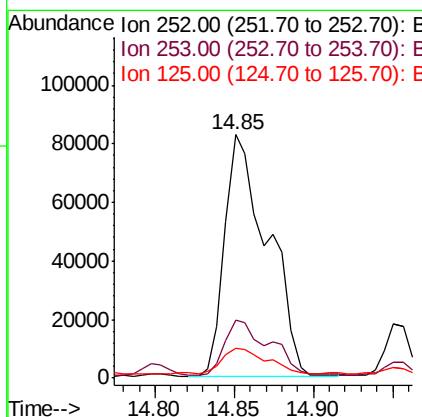
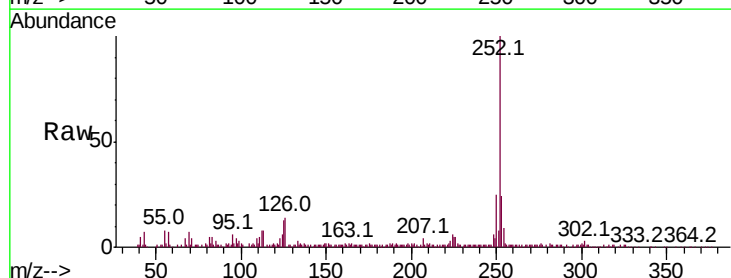
Instrument :
BNA_F
ClientSampleId :

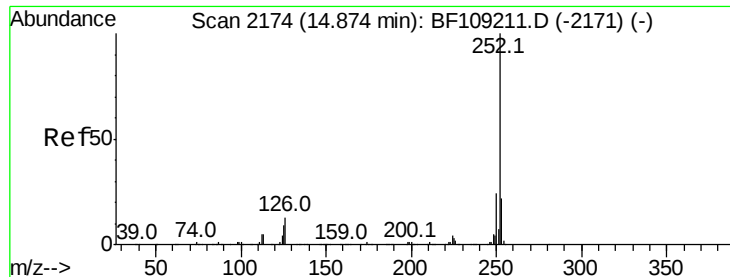
Tot Ion:264 Resp: 196489
Ion Ratio Lower Upper
264 100
260 24.3 19.2 28.8
265 22.2 17.5 26.3



#87
Benzo(b)fluoranthene
Concen: 14.452 ng
RT: 14.85 min Scan# 2170
Delta R.T. 0.00 min
Lab File: BF109292.D
Acq: 25 Sep 2018 18:10

Tgt Ion:252 Resp: 156040
Ion Ratio Lower Upper
252 100
253 23.8 17.0 25.6
125 12.5 9.0 13.6





#88

Benzo(k)fluoranthene

Concen: 15.230 ng

RT: 14.85 min Scan# 2170

Delta R.T. -0.03 min

Lab File: BF109292.D

Acq: 25 Sep 2018 18:10

Instrument :

BNA_F

ClientSampleId :

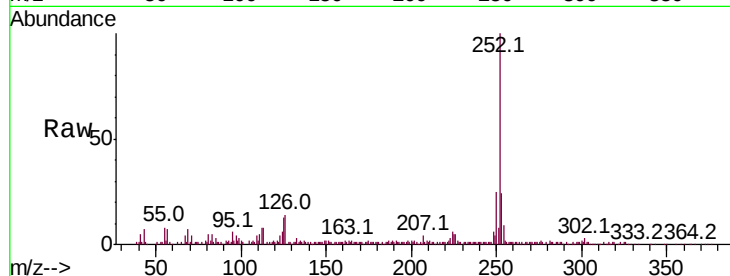
Tot Ion:252 Resp: 156040

Ion Ratio Lower Upper

252 100

253 23.8 17.9 26.9

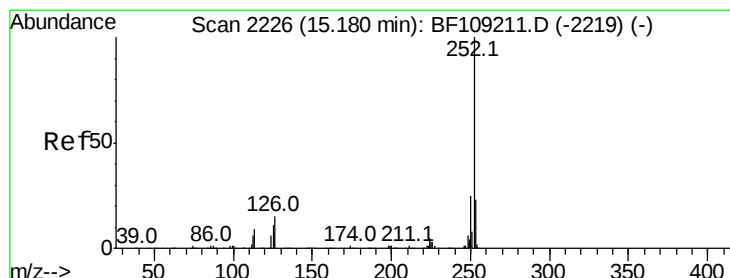
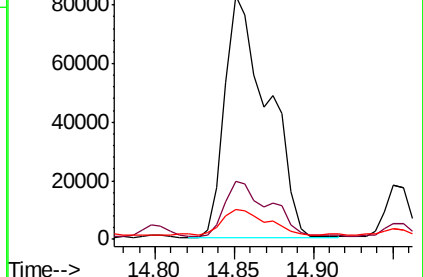
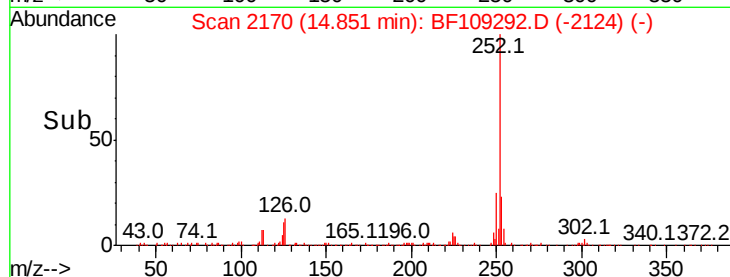
125 12.5 10.2 15.2



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(a)pyrene

Concen: 8.355 ng

RT: 15.19 min Scan# 2228

Delta R.T. 0.01 min

Lab File: BF109292.D

Acq: 25 Sep 2018 18:10

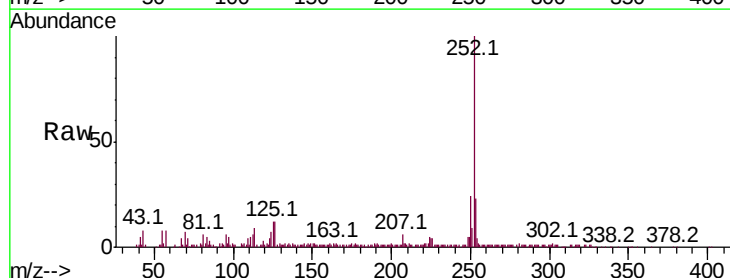
Tgt Ion:252 Resp: 81281

Ion Ratio Lower Upper

252 100

253 23.0 17.1 25.7

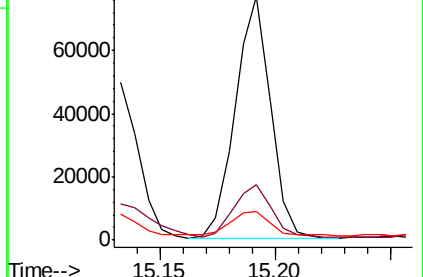
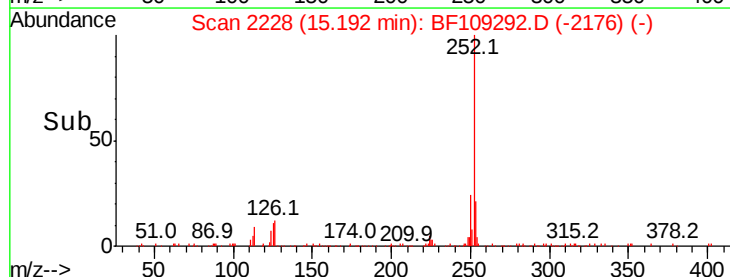
125 11.9 9.8 14.6

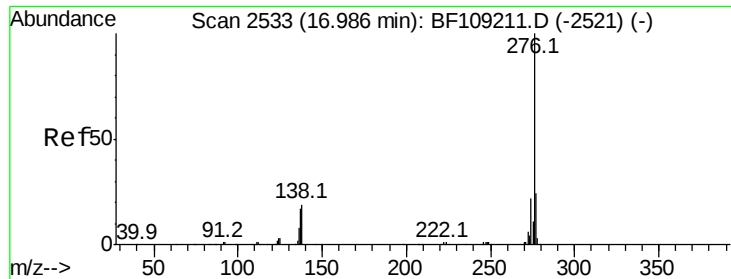


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#91
 Benzo(a,h,i)perylene
 Concen: 4.690 ng
 RT: 17.00 min Scan# 2536
 Delta R.T. 0.01 min
 Lab File: BF109292.D
 Acq: 25 Sep 2018 18:10

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
276	100		
277	27.3	17.9	26.9#
138	21.3	21.8	32.8#

