

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF101718\
 Data File : BF109932.D
 Acq On : 17 Oct 2018 20:48
 Operator : JU/SJ
 Sample : J5536-01 2X
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Oct 18 10:41:36 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF101518.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Oct 16 14:58:24 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.97	152	246197	20.00	ng	0.00
21) Naphthalene-d8	8.26	136	914000	20.00	ng	-0.01
39) Acenaphthene-d10	10.02	164	374784	20.00	ng	0.00
64) Phenanthrene-d10	11.52	188	409403	20.00	ng	0.00
76) Chrysene-d12	14.14	240	12880	20.00	ng	-0.02
87) Perylene-d12	15.73	264	535188	20.00	ng	0.04

System Monitoring Compounds						
5) 2-Fluorophenol	5.59	112	597808	38.49	ng	-0.01
7) Phenol-d6	6.59	99	755278	39.16	ng	-0.02
23) Nitrobenzene-d5	7.53	82	424092	31.26	ng	-0.02
42) 2,4,6-Tribromophenol	10.81	330	114617	35.32	ng	0.00
45) 2-Fluorobiphenyl	9.33	172	657094	27.98	ng	0.00
79) Terphenyl-d14	13.11	244	372156	606.75	ng	0.00

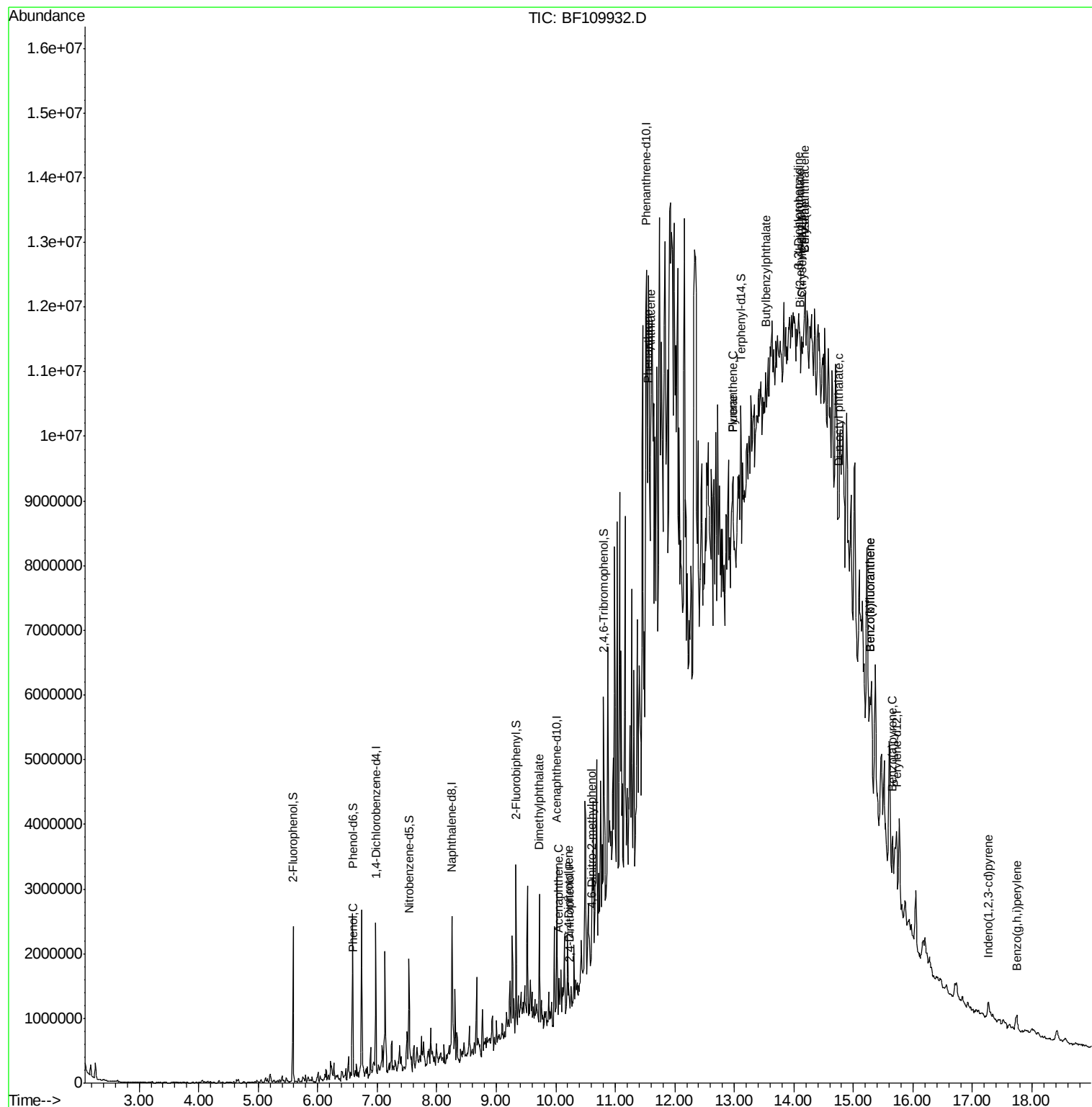
Target Compounds				Qvalue		
10) Phenol	6.60	94	42903	2.060	ng	# 59
50) Dimethylphthalate	9.72	163	100943	3.804	ng	# 93
52) Acenaphthene	10.05	154	80434	3.536	ng	# 98
54) 2,4-Dinitrophenol	10.23	184	513	9.193	ng	# 1
57) 2,4-Dinitrotoluene	10.22	165	2130	4.886	ng	# 50
65) 4,6-Dinitro-2-methylphenol	10.59	198	332	8.091	ng	# 1
71) Phenanthrene	11.54	178	109657	5.174	ng	# 82
72) Anthracene	11.59	178	129386	6.072	ng	# 90
75) Fluoranthene	12.98	202	654083	30.891	ng	# 71
78) Pyrene	12.98	202	654083	691.422	ng	# 80
80) Butylbenzylphthalate	13.53	149	1326	3.467	ng	# 1
81) Benzo(a)anthracene	14.18	228	170010	224.091	ng	# 79
82) 3,3'-Dichlorobenzidine	14.08	252	1161	4.365	ng	# 1
83) Chrysene	14.18	228	170010	235.428	ng	# 84
84) Bis(2-ethylhexyl)phthalate	14.12	149	2482	4.932	ng	# 1
85) Di-n-octyl phthalate	14.74	149	5300	7.470	ng	# 76
86) Indeno(1,2,3-cd)pyrene	17.27	276	194150	333.919	ng	# 99
88) Benzo(b)fluoranthene	15.27	252	546027	17.697	ng	# 87
89) Benzo(k)fluoranthene	15.27	252	546027	17.954	ng	# 86
90) Benzo(a)pyrene	15.66	252	362094	12.760	ng	# 92
92) Benzo(a,h,i)perylene	17.74	276	190315	7.490	ng	# 96

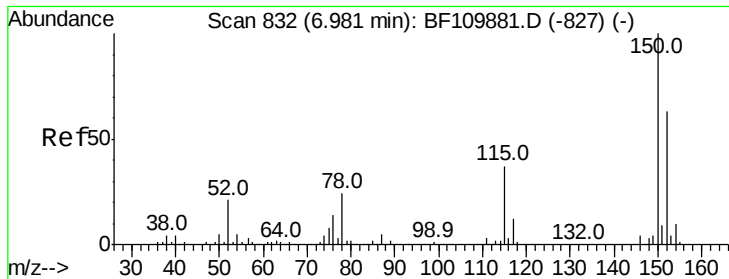
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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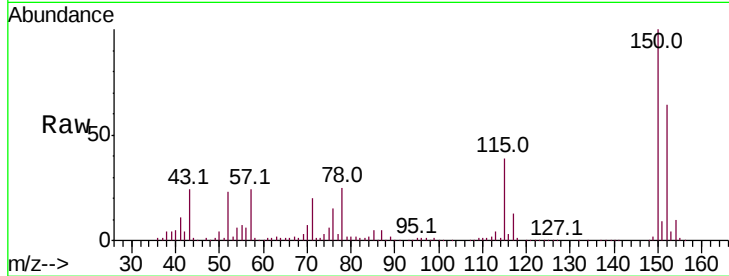


#1

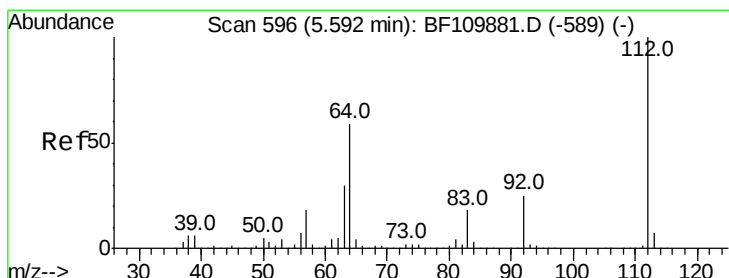
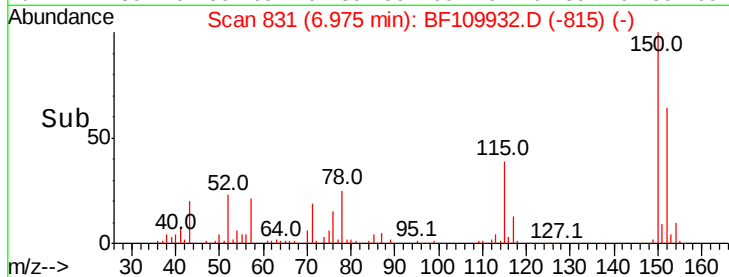
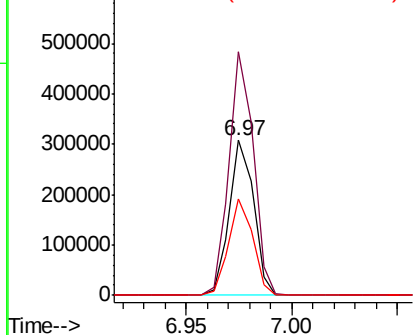
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.97 min Scan# 831
Delta R.T. -0.01 min
Lab File: BF109932.D
Acq: 17 Oct 2018 20:48

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	157.1	122.7	184.1
115	62.0	49.1	73.7



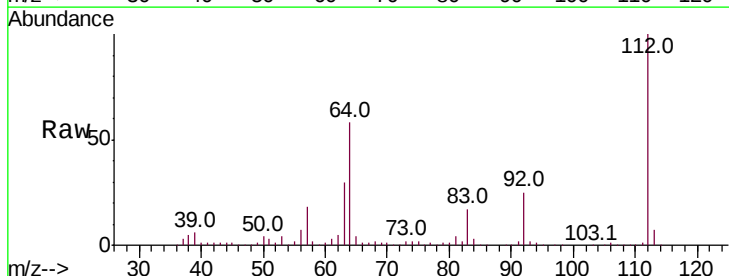
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



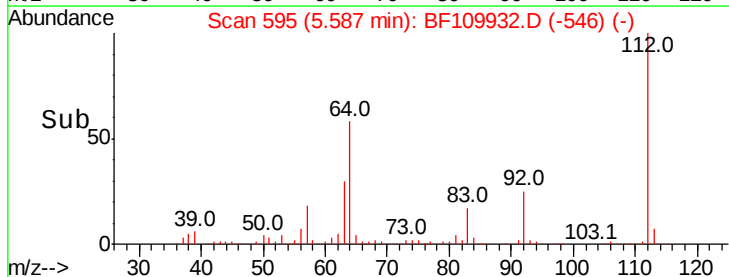
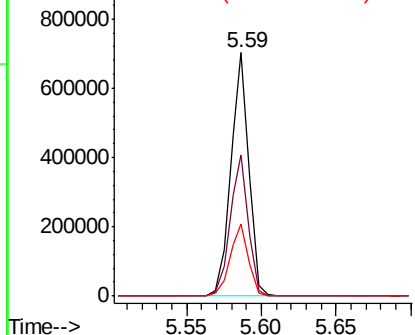
#5

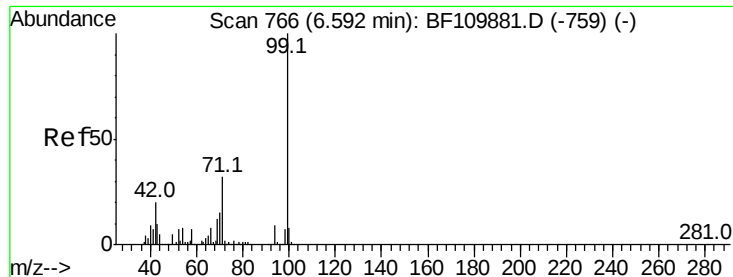
2-Fluorophenol
Concen: 38.490 ng
RT: 5.59 min Scan# 595
Delta R.T. -0.01 min
Lab File: BF109932.D
Acq: 17 Oct 2018 20:48

Tgt Ion	Ratio	Lower	Upper
112	100		
64	57.9	44.1	66.1
63	29.8	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: 39.162 ng

RT: 6.59 min Scan# 765

Delta R.T. -0.02 min

Lab File: BF109932.D

Acq: 17 Oct 2018 20:48

Instrument :

BNA_F

ClientSampleId :

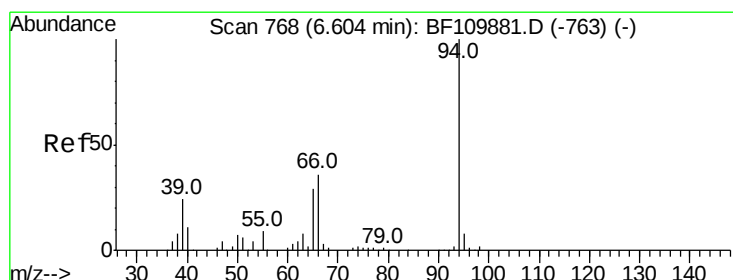
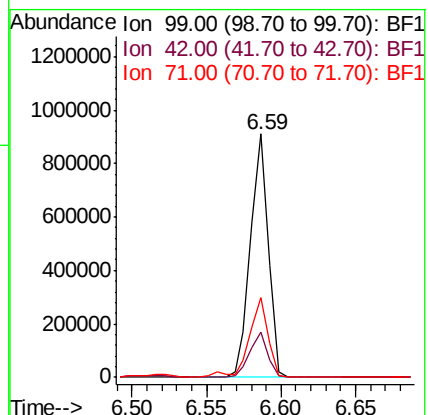
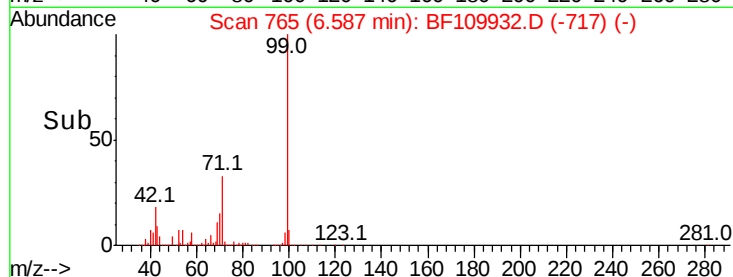
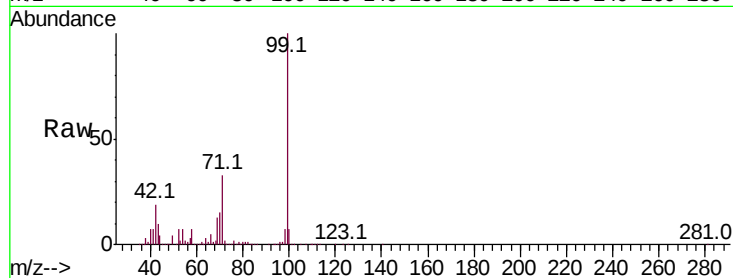
Tot Ion: 99 Resp: 755278

Ion Ratio Lower Upper

99 100

42 18.6 15.8 23.6

71 32.8 28.0 42.0



#10

Phenol

Concen: 2.060 ng

RT: 6.60 min Scan# 767

Delta R.T. -0.02 min

Lab File: BF109932.D

Acq: 17 Oct 2018 20:48

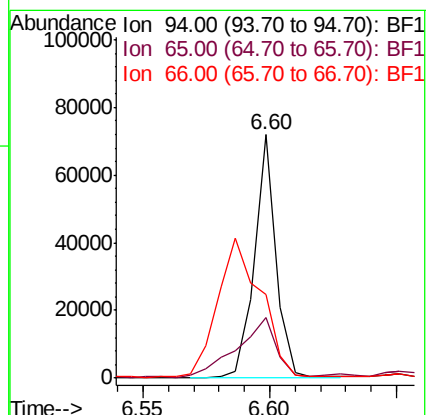
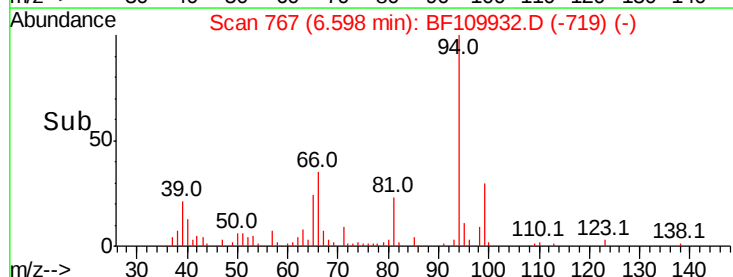
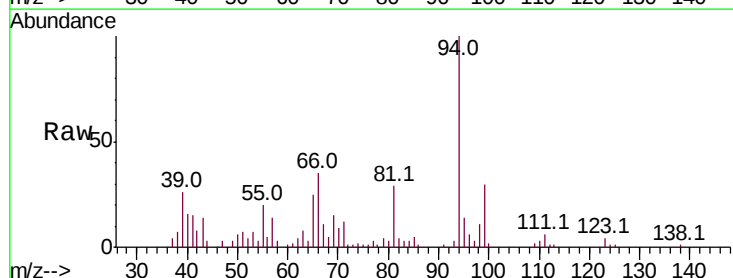
Tgt Ion: 94 Resp: 42903

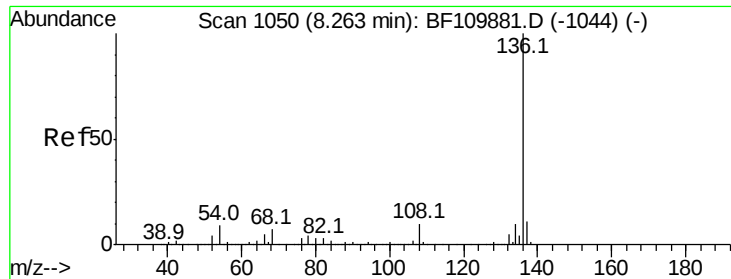
Ion Ratio Lower Upper

94 100

65 24.9 25.3 65.3#

66 34.6 54.5 94.5#

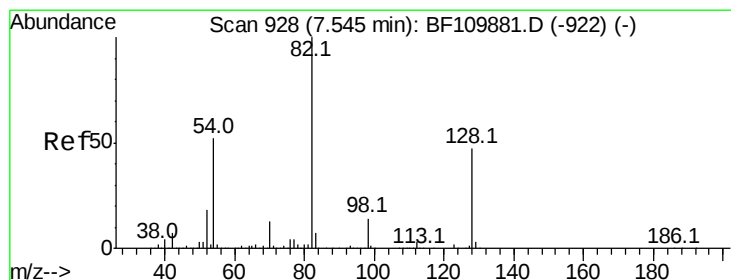
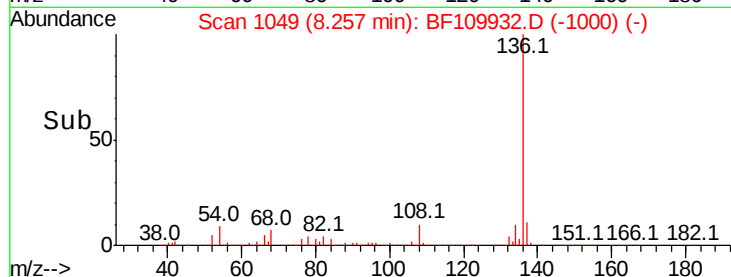
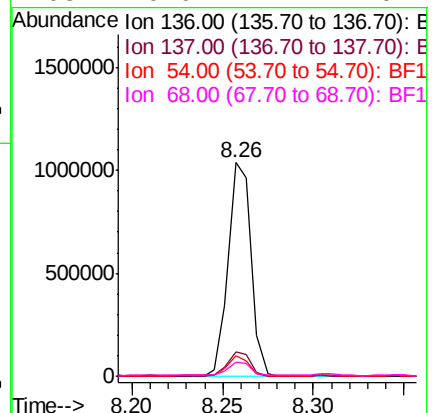
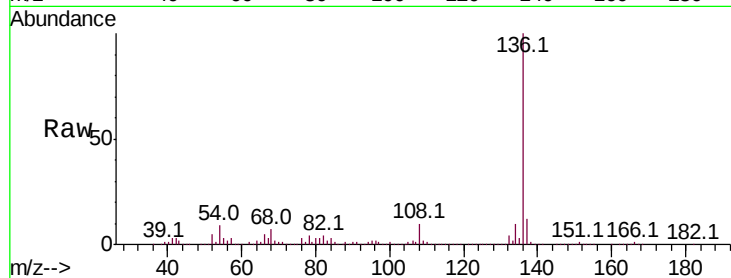




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.26 min Scan# 1049
Delta R.T. -0.01 min
Lab File: BF109932.D
Acq: 17 Oct 2018 20:48

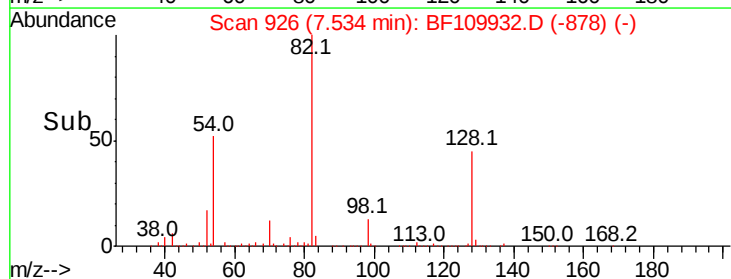
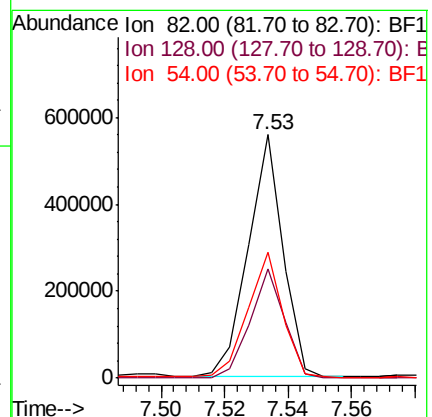
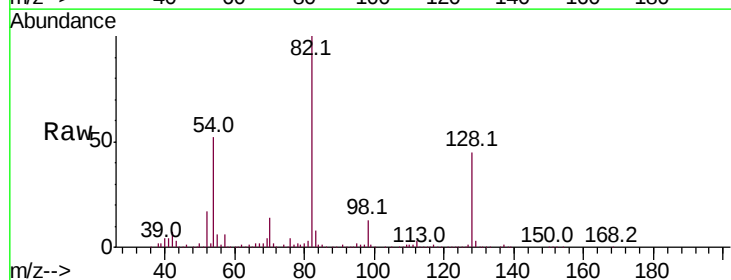
Instrument :
BNA_F
ClientSampleId :

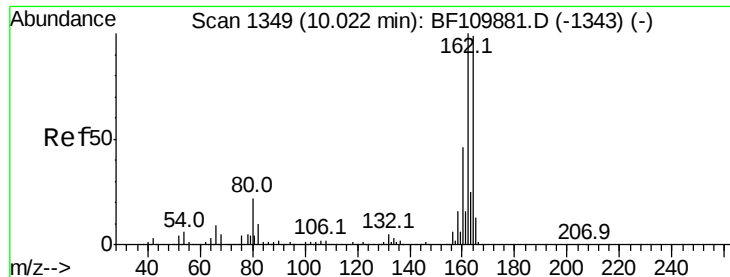
Tot Ion:	136	Resp:	914000
Ion	Ratio	Lower	Upper
136	100		
137	11.6	8.8	13.2
54	9.4	5.4	8.2#
68	6.9	4.2	6.2#



#23
Nitrobenzene-d5
Concen: 31.257 ng
RT: 7.53 min Scan# 926
Delta R.T. -0.02 min
Lab File: BF109932.D
Acq: 17 Oct 2018 20:48

Tgt Ion:	82	Resp:	424092
Ion	Ratio	Lower	Upper
82	100		
128	45.1	34.2	51.2
54	51.5	38.6	58.0

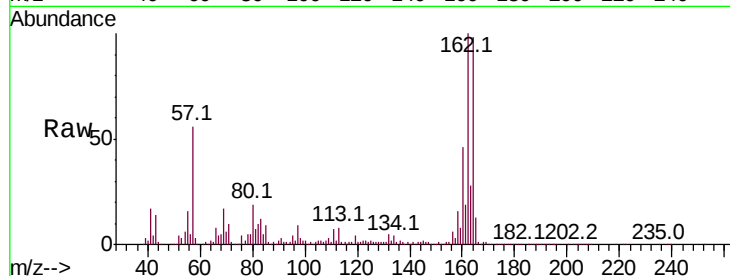




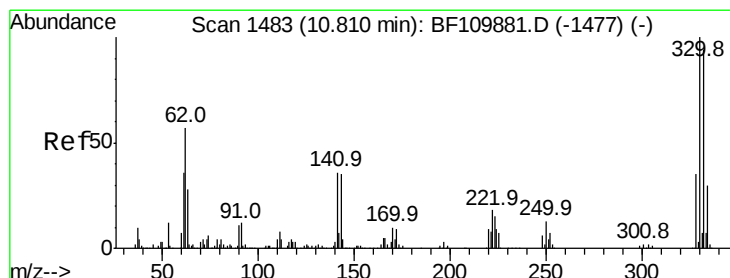
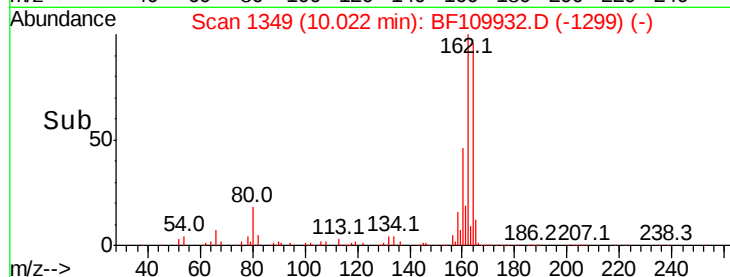
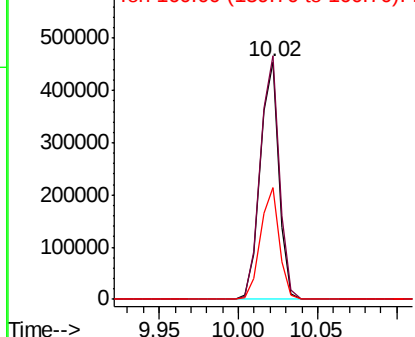
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.02 min Scan# 1349
Delta R.T. -0.01 min
Lab File: BF109932.D
Acq: 17 Oct 2018 20:48

Instrument :
BNA_F
ClientSampleId :

Tot Ion:164 Resp: 374784
Ion Ratio Lower Upper
164 100
162 102.4 83.0 124.6
160 46.9 37.0 55.6

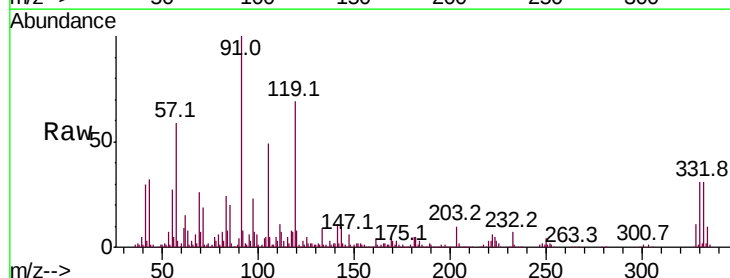


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

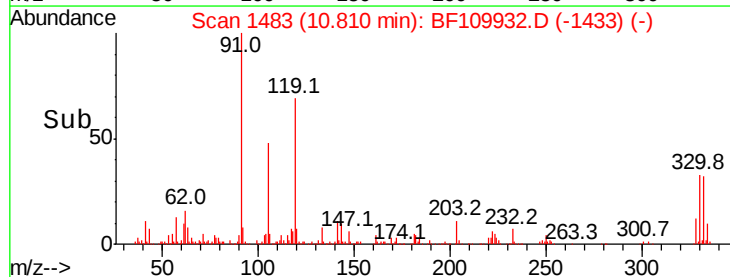
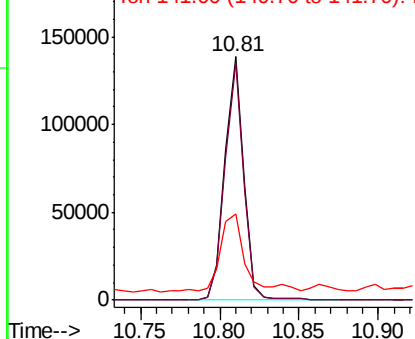


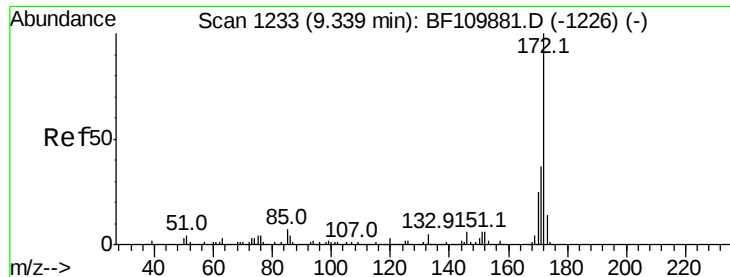
#42
2,4,6-Tribromophenol
Concen: 35.324 ng
RT: 10.81 min Scan# 1483
Delta R.T. -0.01 min
Lab File: BF109932.D
Acq: 17 Oct 2018 20:48

Tgt Ion:330 Resp: 114617
Ion Ratio Lower Upper
330 100
332 96.2 77.1 115.7
141 40.9 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

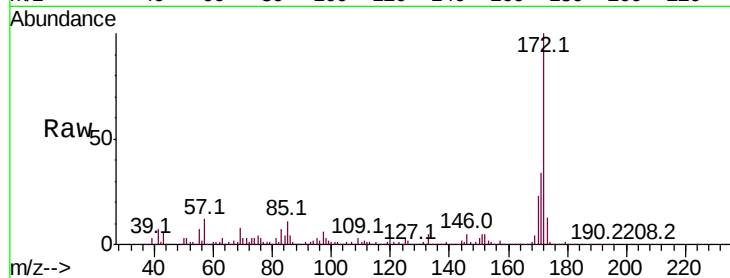




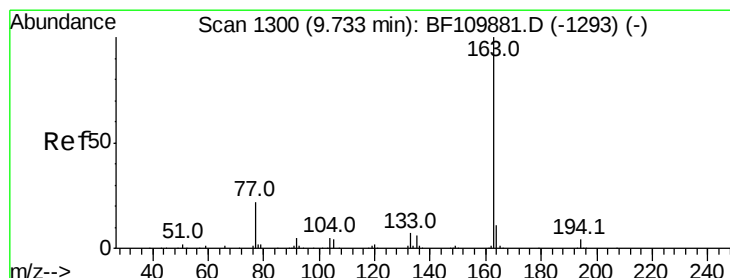
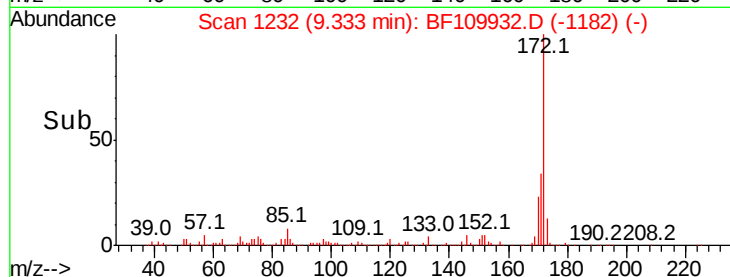
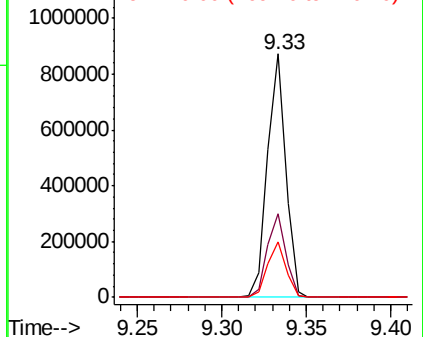
#45
2-Fluorobiphenyl
Concen: 27.976 ng
RT: 9.33 min Scan# 1232
Delta R.T. -0.01 min
Lab File: BF109932.D
Acq: 17 Oct 2018 20:48

Instrument :
BNA_F
ClientSampleId :

Tot Ion:172 Resp: 657094
Ion Ratio Lower Upper
172 100
171 34.5 28.6 43.0
170 22.9 19.7 29.5

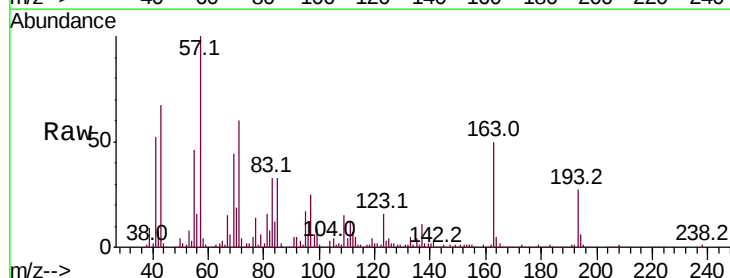


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

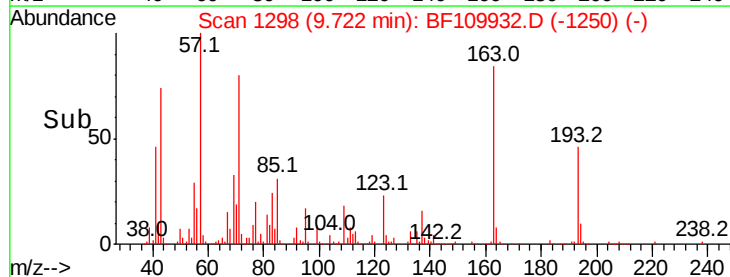
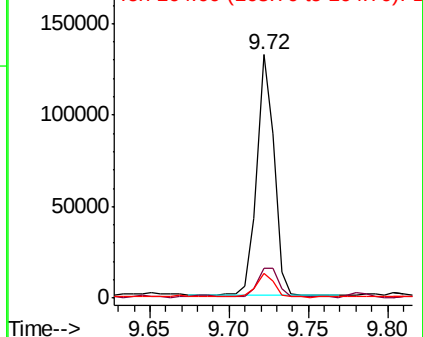


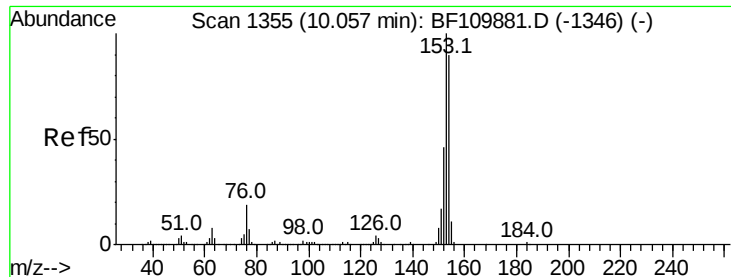
#50
Dimethylphthalate
Concen: 3.804 ng
RT: 9.72 min Scan# 1298
Delta R.T. -0.02 min
Lab File: BF109932.D
Acq: 17 Oct 2018 20:48

Tgt Ion:163 Resp: 100943
Ion Ratio Lower Upper
163 100
194 12.4 3.2 4.8#
164 10.1 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





#52

Acenaphthene

Concen: 3.536 ng

RT: 10.05 min Scan# 1354

Delta R.T. -0.01 min

Lab File: BF109932.D

Acq: 17 Oct 2018 20:48

Instrument :

BNA_F

ClientSampleId :

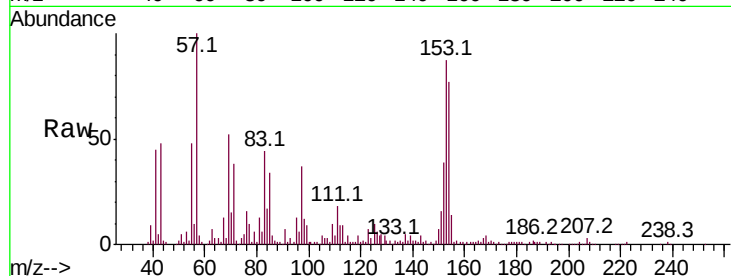
Tot Ion:154 Resp: 80434

Ion Ratio Lower Upper

154 100

153 112.7 90.1 135.1

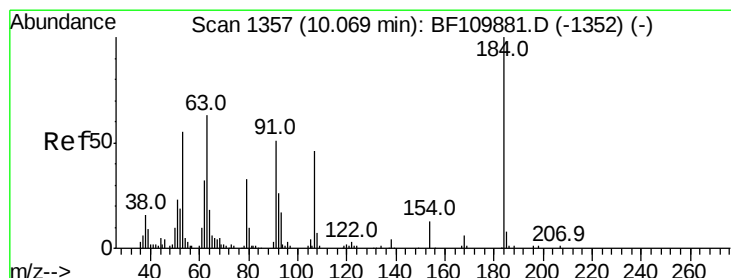
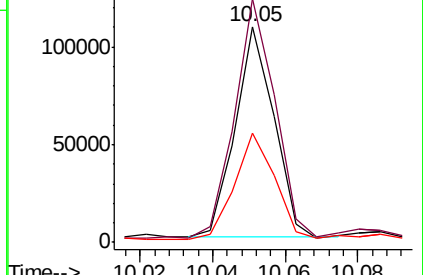
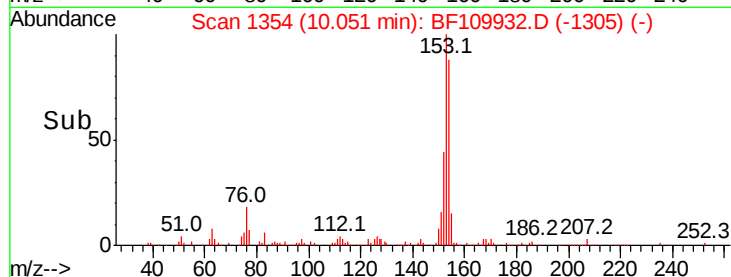
152 50.7 43.4 65.2



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

2,4-Dinitrophenol

Concen: 9.193 ng

RT: 10.23 min Scan# 1385

Delta R.T. 0.15 min

Lab File: BF109932.D

Acq: 17 Oct 2018 20:48

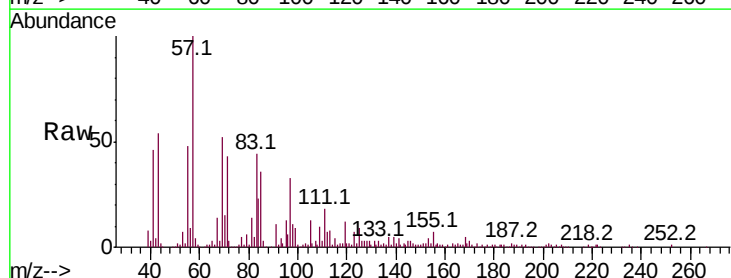
Tgt Ion:184 Resp: 513

Ion Ratio Lower Upper

184 100

63 130.2 55.8 83.6#

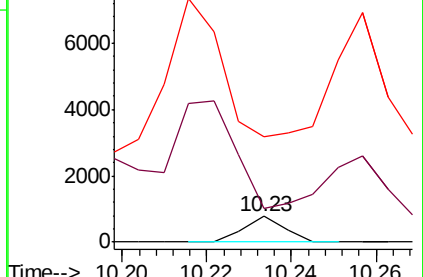
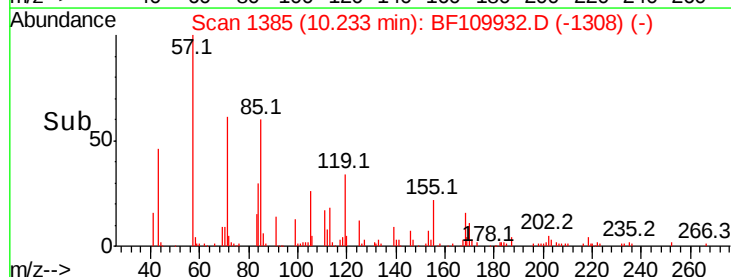
154 412.2 63.2 94.8#

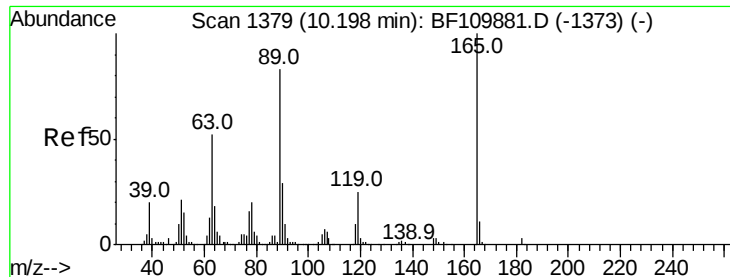


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 154.00 (153.70 to 154.70): E

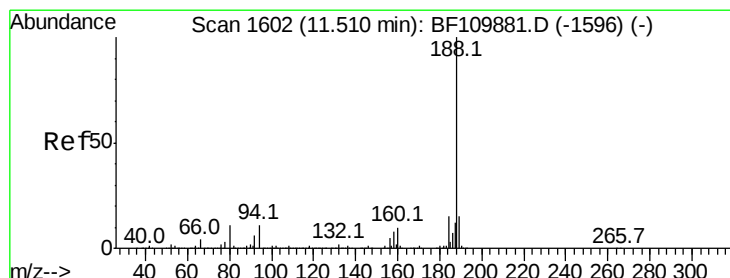
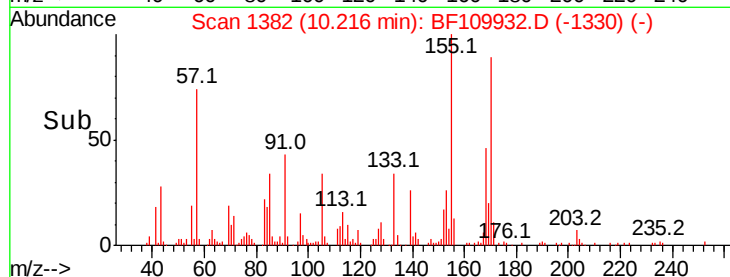
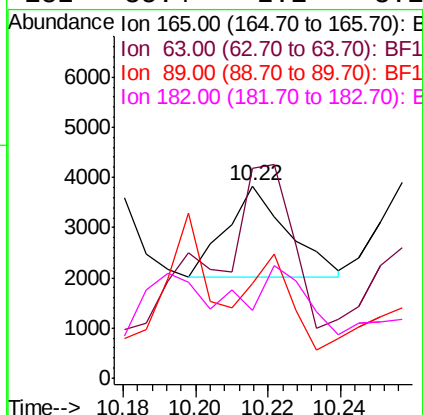
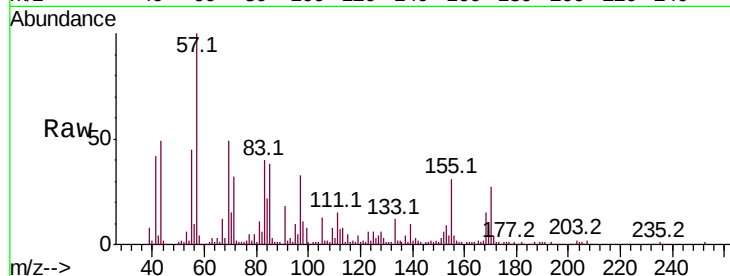




#57
2,4-Dinitrotoluene
Concen: 4.886 ng
RT: 10.22 min Scan# 1382
Delta R.T. 0.01 min
Lab File: BF109932.D
Acq: 17 Oct 2018 20:48

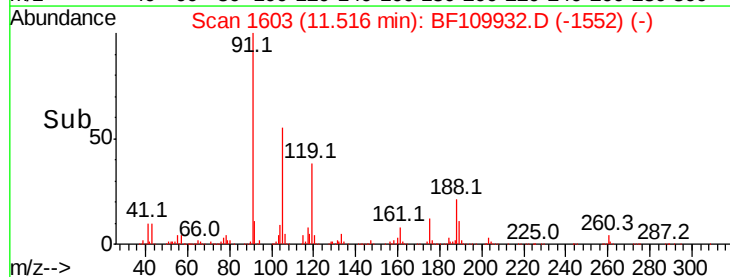
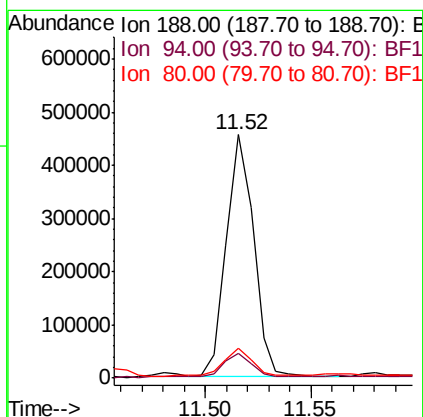
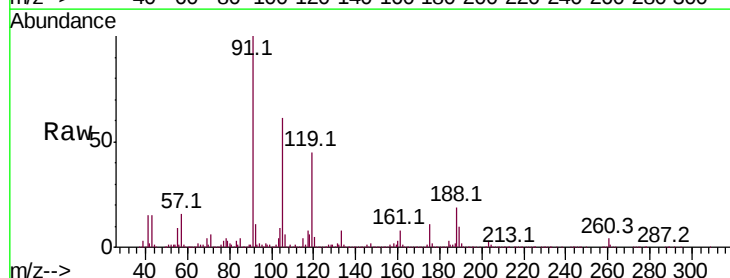
Instrument :
BNA_F
ClientSampleId :

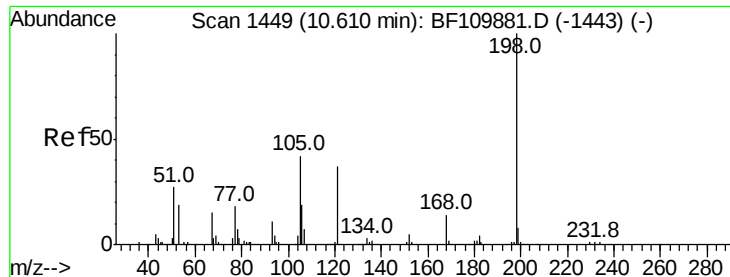
Tot Ion:165 Resp: 2130
Ion Ratio Lower Upper
165 100
63 109.0 44.8 67.2#
89 49.3 62.2 93.4#
182 35.4 2.1 3.1#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.52 min Scan# 1603
Delta R.T. -0.00 min
Lab File: BF109932.D
Acq: 17 Oct 2018 20:48

Tgt Ion:188 Resp: 409403
Ion Ratio Lower Upper
188 100
94 10.4 7.2 10.8
80 12.3 7.9 11.9#

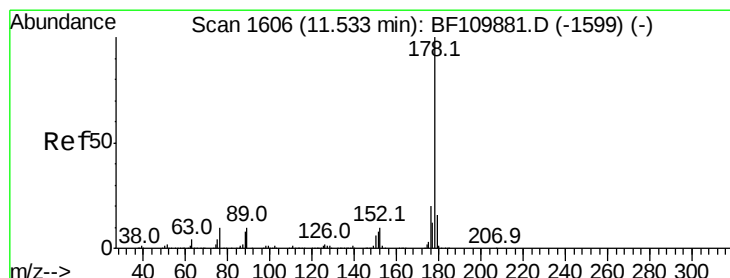
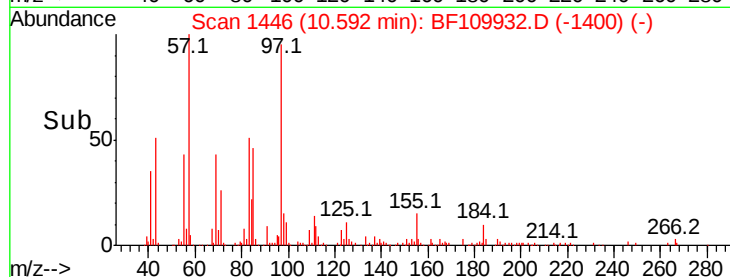
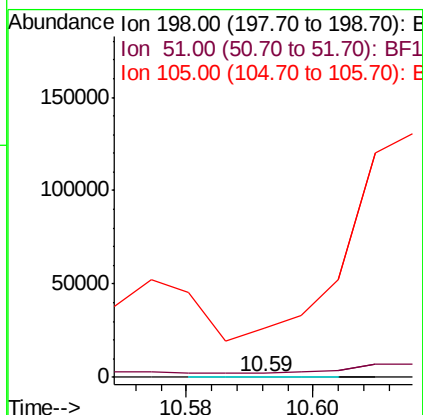
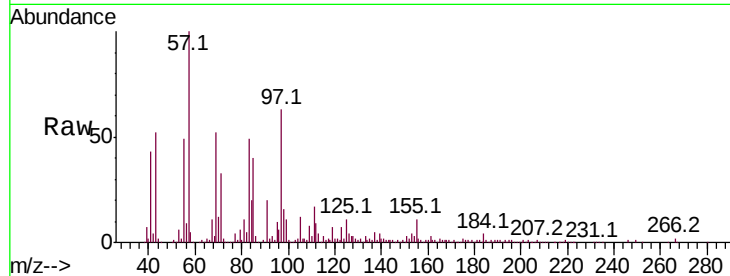




#65
4,6-Dinitro-2-methylphenol
Concen: 8.091 ng
RT: 10.59 min Scan# 1446
Delta R.T. -0.03 min
Lab File: BF109932.D
Acq: 17 Oct 2018 20:48

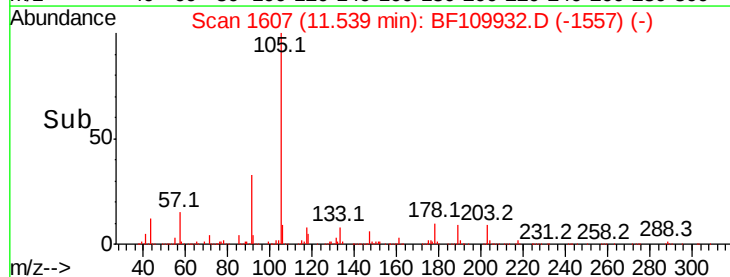
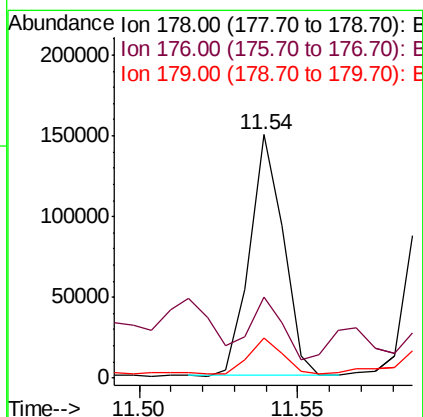
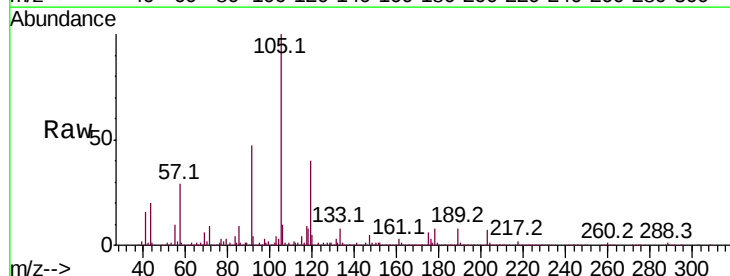
Instrument :
BNA_F
ClientSampleId :

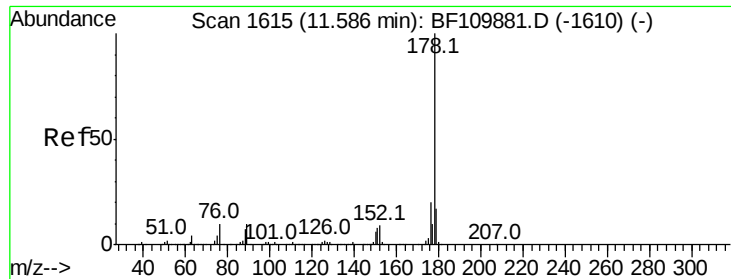
Tot Ion:198 Resp: 332
Ion Ratio Lower Upper
198 100
51 517.4 22.8 62.8#
105 5519.7 23.6 63.6#



#71
Phenanthrene
Concen: 5.174 ng
RT: 11.54 min Scan# 1607
Delta R.T. -0.01 min
Lab File: BF109932.D
Acq: 17 Oct 2018 20:48

Tgt Ion:178 Resp: 109657
Ion Ratio Lower Upper
178 100
176 33.4 15.5 23.3#
179 16.5 12.5 18.7

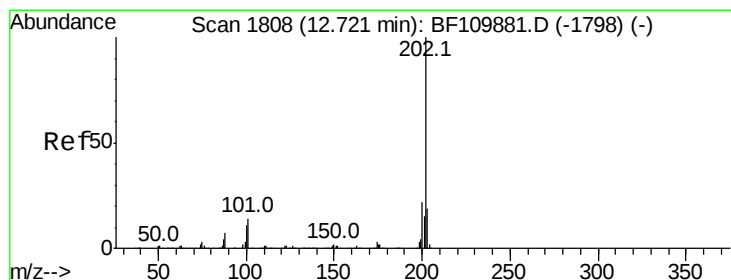
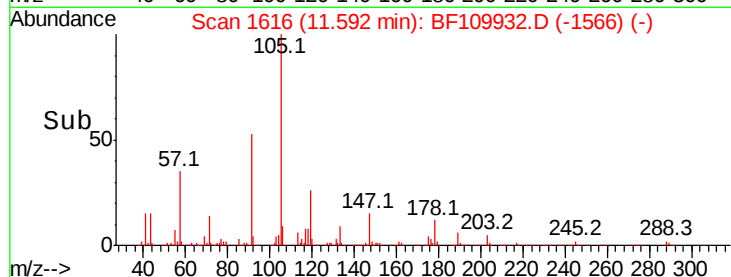
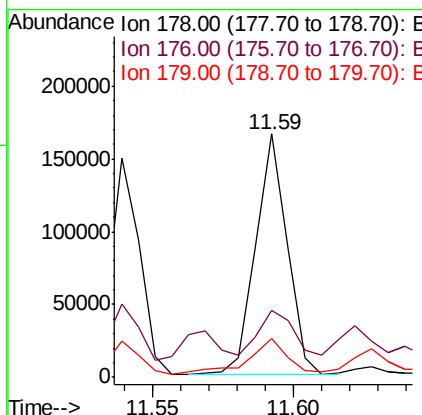
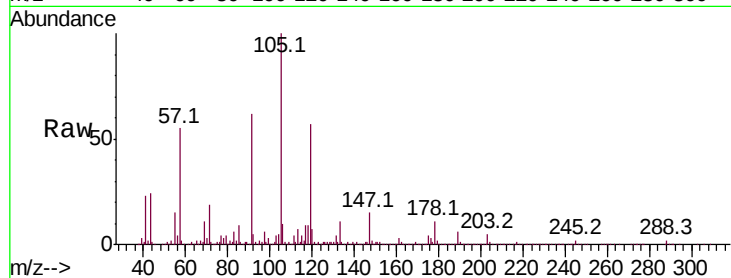




#72
 Anthracene
 Concen: 6.072 ng
 RT: 11.59 min Scan# 1616
 Delta R.T. -0.01 min
 Lab File: BF109932.D
 Acq: 17 Oct 2018 20:48

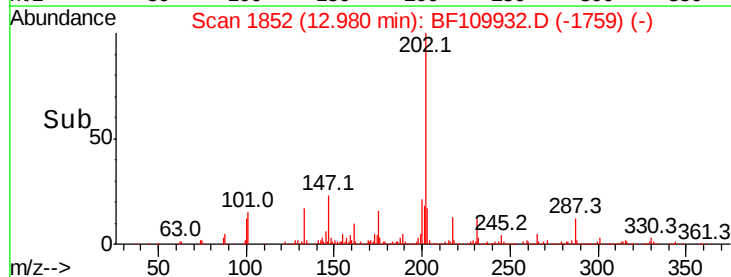
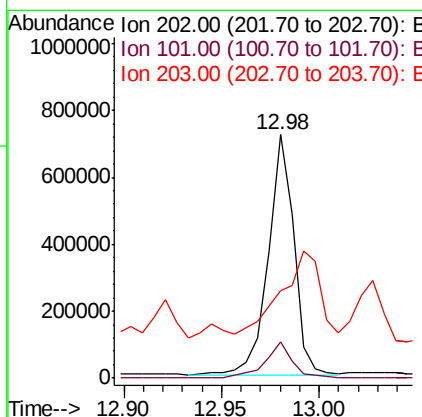
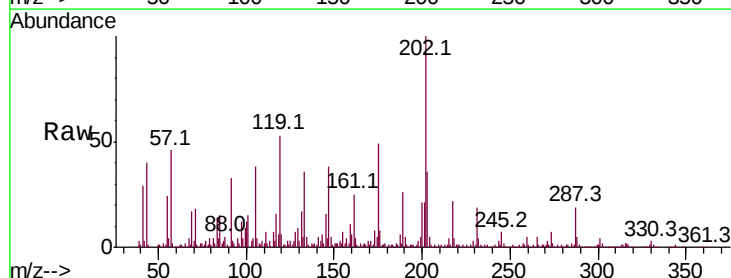
Instrument :
 BNA_F
 ClientSampleId :

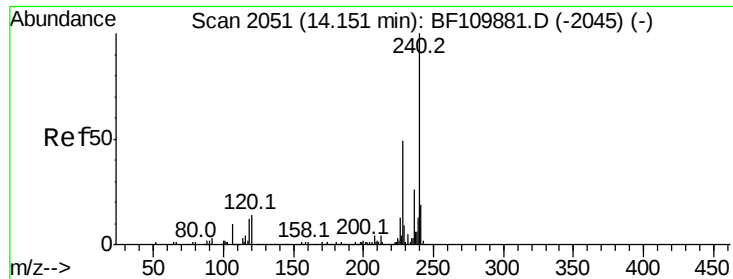
Tot Ion	Ratio	Lower	Upper
178	100		
176	27.4	15.4	23.2#
179	16.1	12.6	18.8



#75
 Fluoranthene
 Concen: 30.891 ng
 RT: 12.98 min Scan# 1852
 Delta R.T. 0.25 min
 Lab File: BF109932.D
 Acq: 17 Oct 2018 20:48

Tgt Ion	Ratio	Lower	Upper
202	100		
101	14.9	0.0	31.4
203	36.1	0.0	37.7

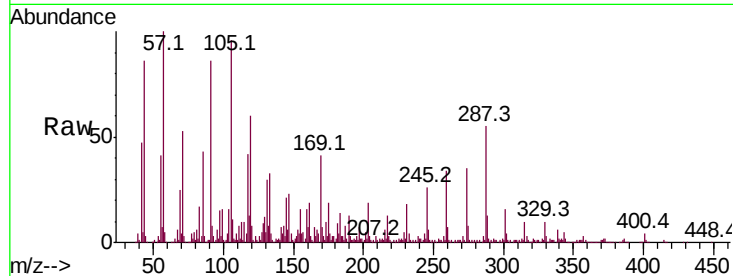




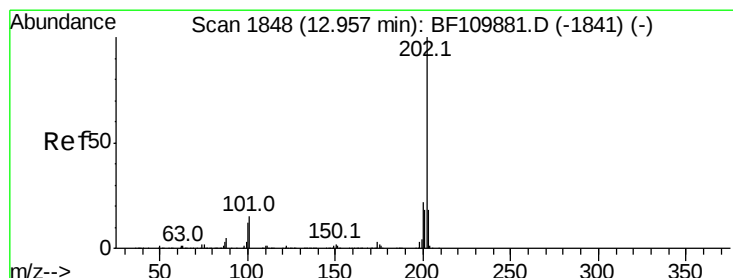
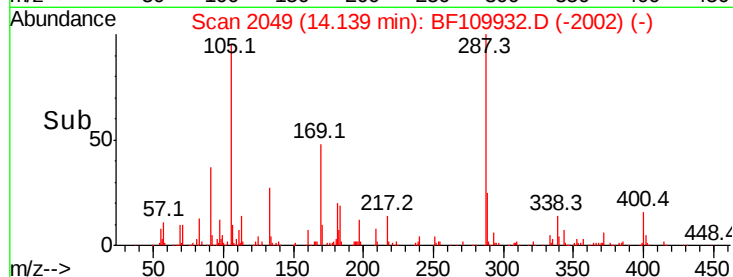
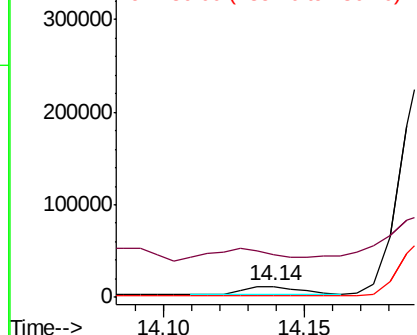
#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.14 min Scan# 2049
Delta R.T. -0.02 min
Lab File: BF109932.D
Acq: 17 Oct 2018 20:48

Instrument :
BNA_F
ClientSampleId :

Tot Ion:240 Resp: 12880
Ion Ratio Lower Upper
240 100
120 384.6 8.3 12.5#
236 14.8 21.2 31.8#

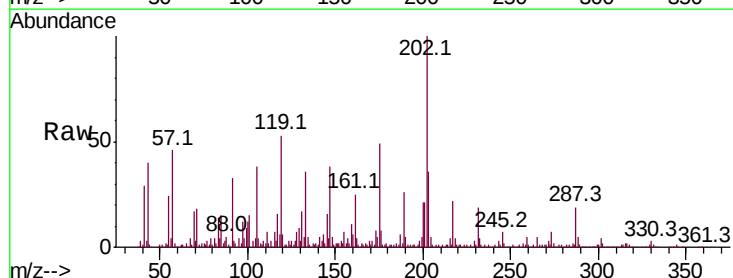


Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E

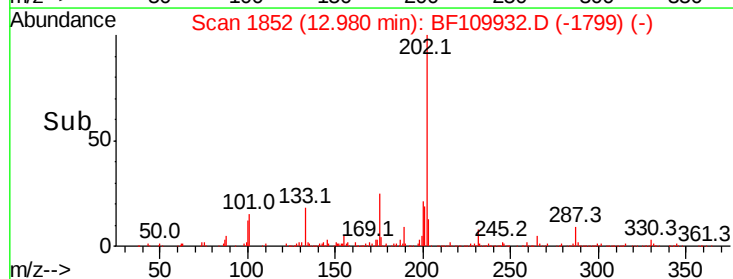
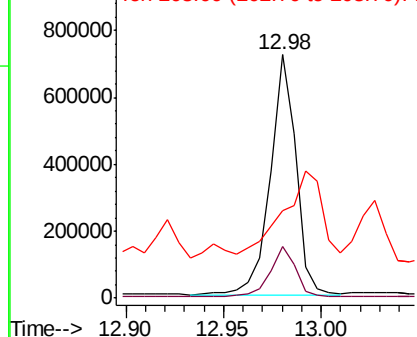


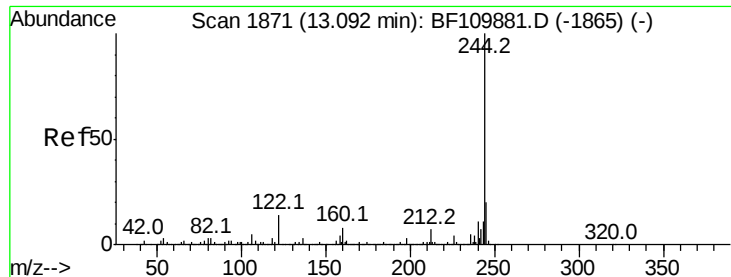
#78
Pyrene
Concen: 691.422 ng
RT: 12.98 min Scan# 1852
Delta R.T. 0.01 min
Lab File: BF109932.D
Acq: 17 Oct 2018 20:48

Tgt Ion:202 Resp: 654083
Ion Ratio Lower Upper
202 100
200 21.2 17.8 26.6
203 36.1 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: 606.755 ng

RT: 13.11 min Scan# 1874

Delta R.T. 0.01 min

Lab File: BF109932.D

Acq: 17 Oct 2018 20:48

Instrument :

BNA_F

ClientSampleId :

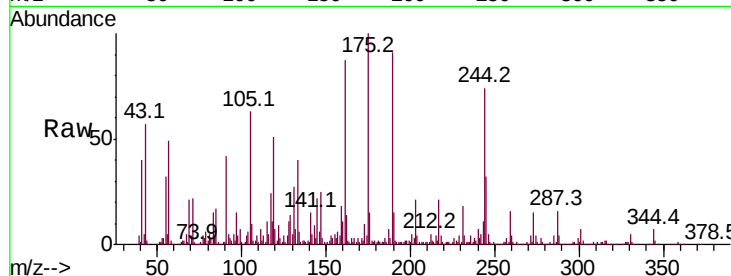
Tot Ion:244 Resp: 372156

Ion Ratio Lower Upper

244 100

212 7.0 5.8 8.8

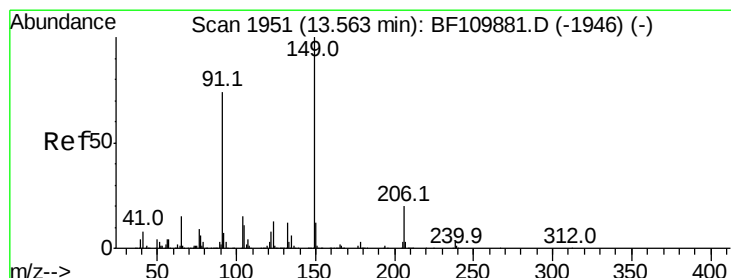
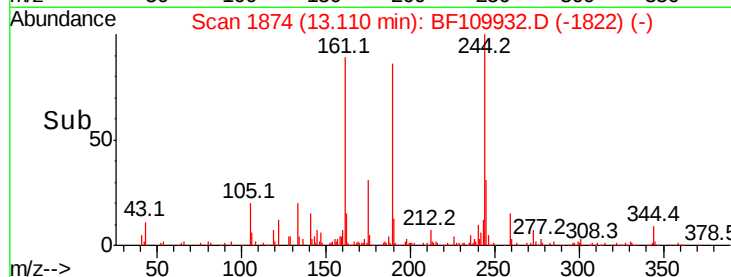
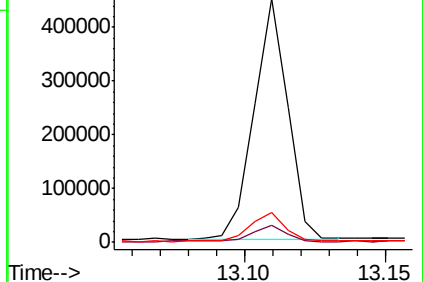
122 12.4 8.7 13.1



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

Butylbenzylphthalate

Concen: 3.467 ng

RT: 13.53 min Scan# 1945

Delta R.T. -0.04 min

Lab File: BF109932.D

Acq: 17 Oct 2018 20:48

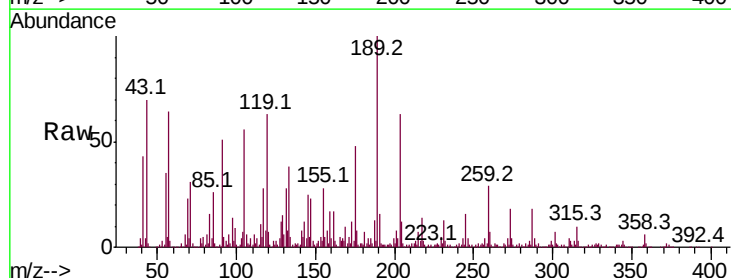
Tgt Ion:149 Resp: 1326

Ion Ratio Lower Upper

149 100

91 6417.2 57.2 85.8#

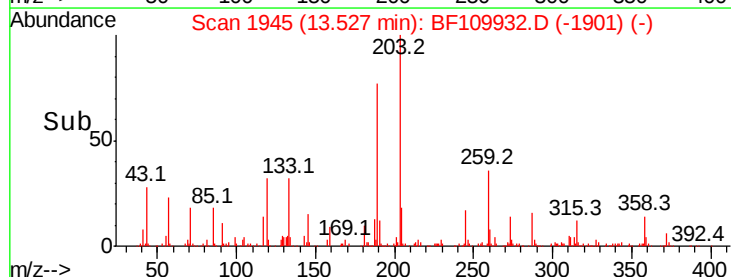
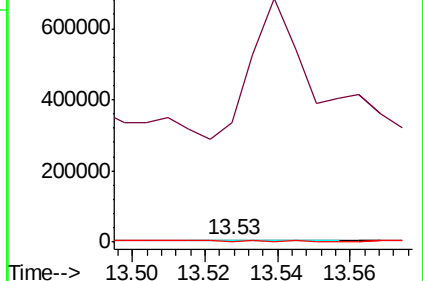
206 49.8 15.7 23.5#

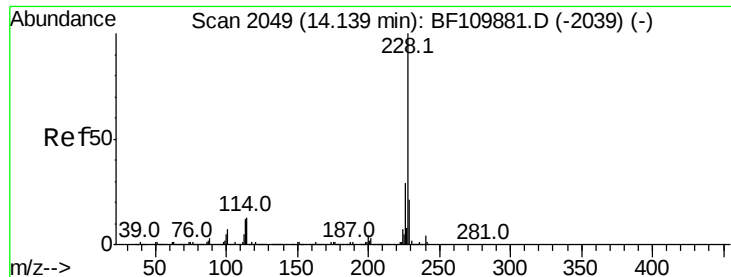


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): BF1

Ion 206.00 (205.70 to 206.70): E

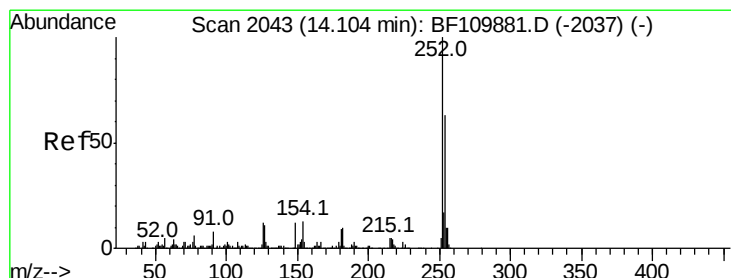
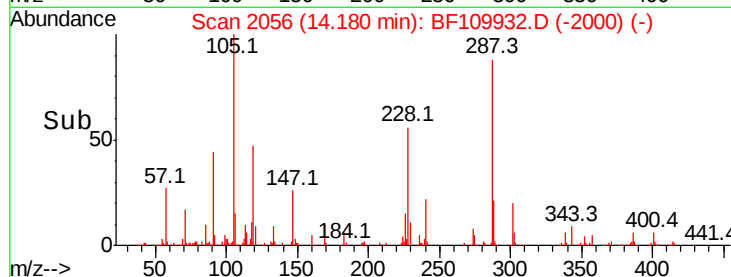
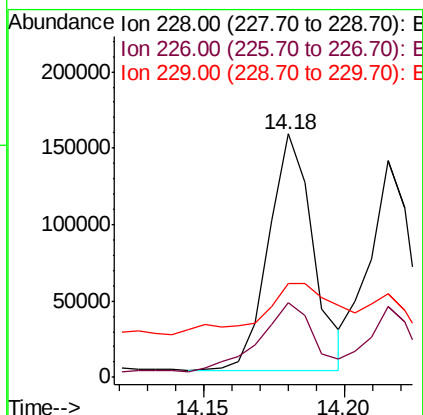
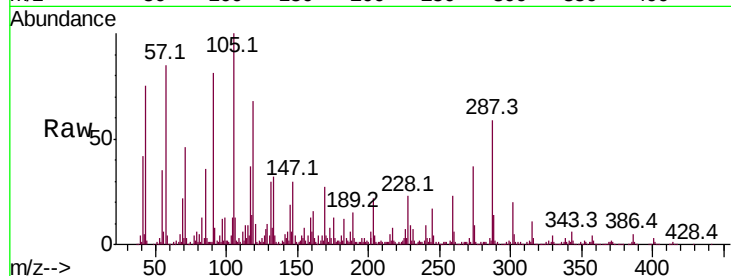




#81
Benzo(a)anthracene
Concen: 224.091 ng
RT: 14.18 min Scan# 2056
Delta R.T. 0.03 min
Lab File: BF109932.D
Acq: 17 Oct 2018 20:48

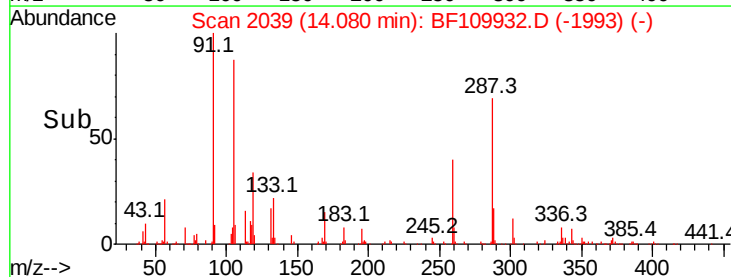
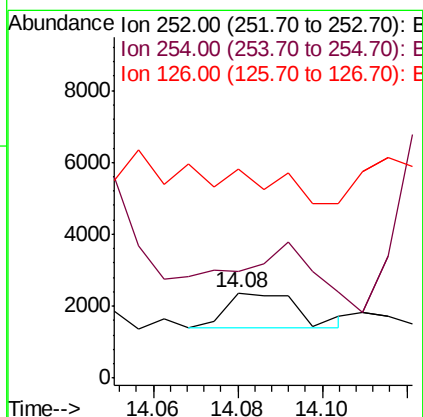
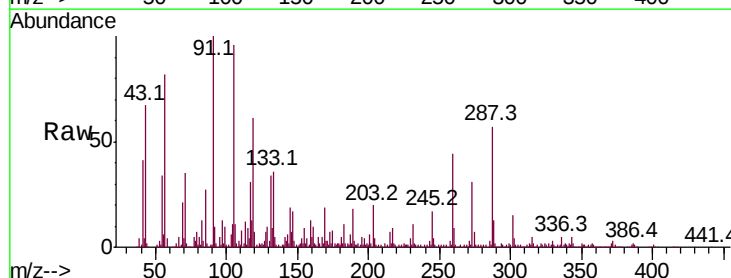
Instrument :
BNA_F
ClientSampleId :

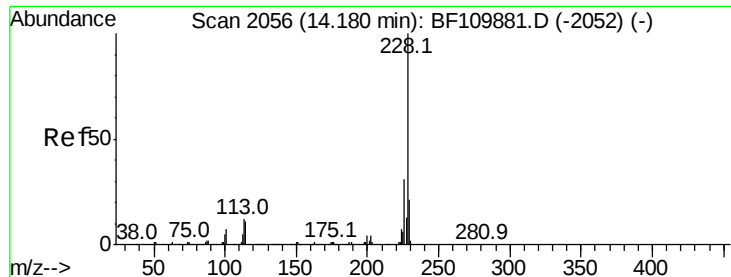
Tot Ion:228 Resp: 170010
Ion Ratio Lower Upper
228 100
226 30.9 22.1 33.1
229 38.3 15.6 23.4#



#82
3,3'-Dichlorobenzidine
Concen: 4.365 ng
RT: 14.08 min Scan# 2039
Delta R.T. -0.03 min
Lab File: BF109932.D
Acq: 17 Oct 2018 20:48

Tgt Ion:252 Resp: 1161
Ion Ratio Lower Upper
252 100
254 124.8 51.3 76.9#
126 245.1 9.4 14.2#

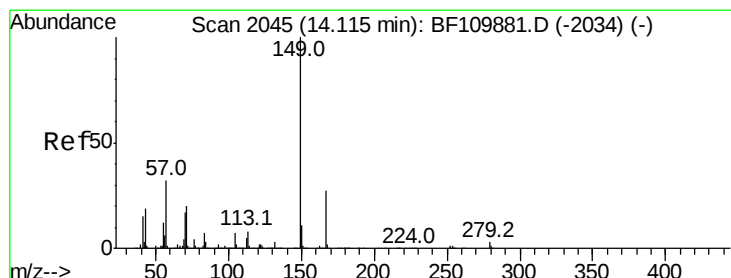
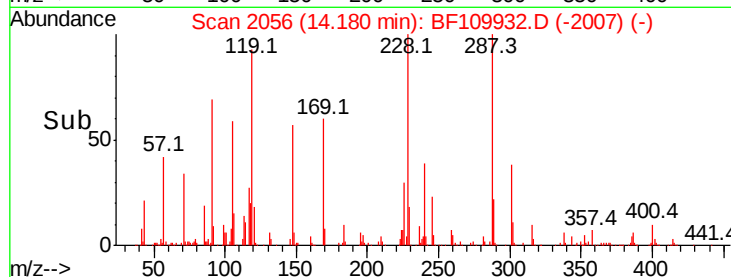
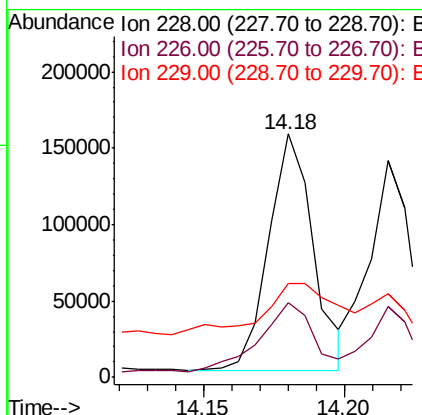
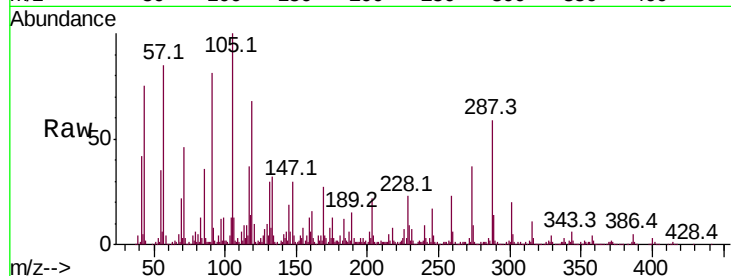




#83
Chrysene
Concen: 235.428 ng
RT: 14.18 min Scan# 2056
Delta R.T. -0.01 min
Lab File: BF109932.D
Acq: 17 Oct 2018 20:48

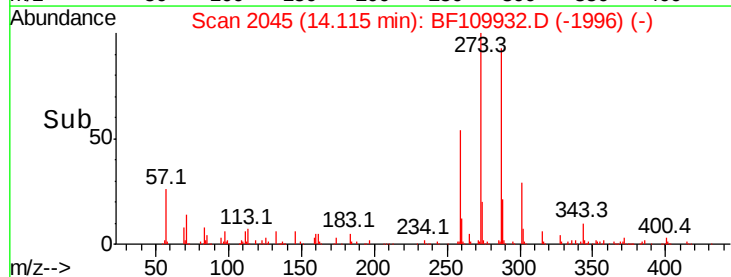
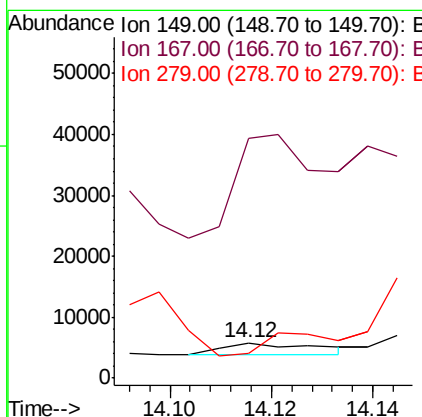
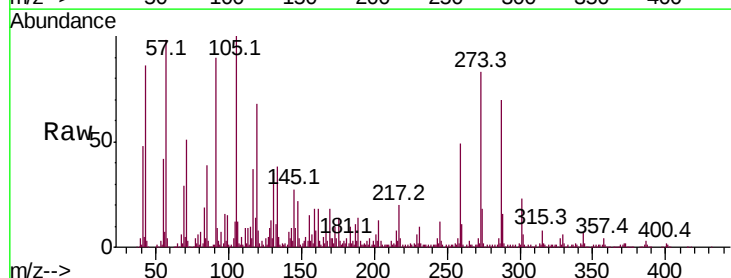
Instrument :
BNA_F
ClientSampled :

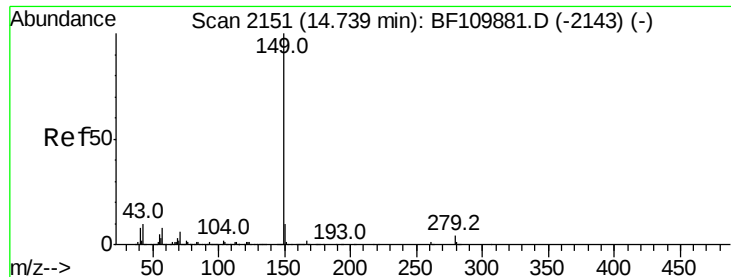
Tot Ion:228 Resp: 170010
Ion Ratio Lower Upper
228 100
226 30.9 24.7 37.1
229 38.3 15.9 23.9#



#84
Bis(2-ethylhexyl)phthalate
Concen: 4.932 ng
RT: 14.12 min Scan# 2045
Delta R.T. -0.01 min
Lab File: BF109932.D
Acq: 17 Oct 2018 20:48

Tgt Ion:149 Resp: 2482
Ion Ratio Lower Upper
149 100
167 675.4 19.8 29.8#
279 69.2 2.7 4.1#





#85

Di-n-octyl phthalate

Concen: 7.470 ng

RT: 14.74 min Scan# 2152

Delta R.T. -0.00 min

Lab File: BF109932.D

Acq: 17 Oct 2018 20:48

Instrument :

BNA_F

ClientSampleId :

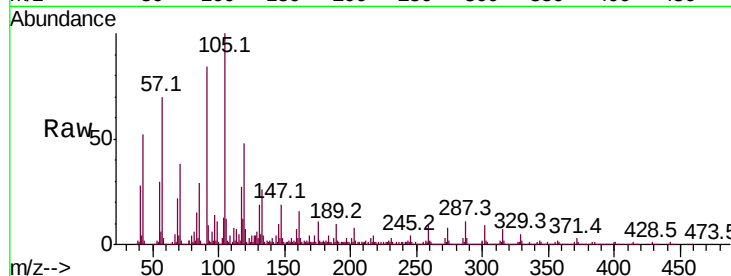
Tot Ion:149 Resp: 5300

Ion Ratio Lower Upper

149 100

167 0.0 1.1 1.7#

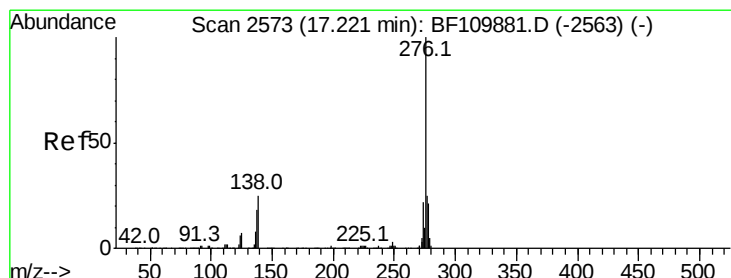
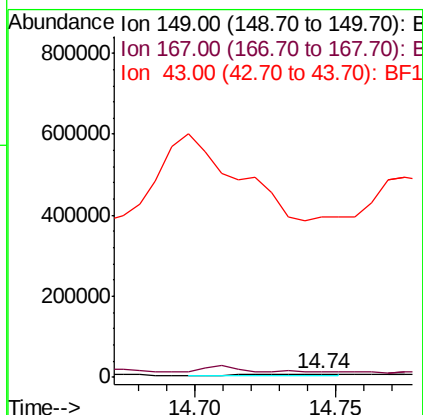
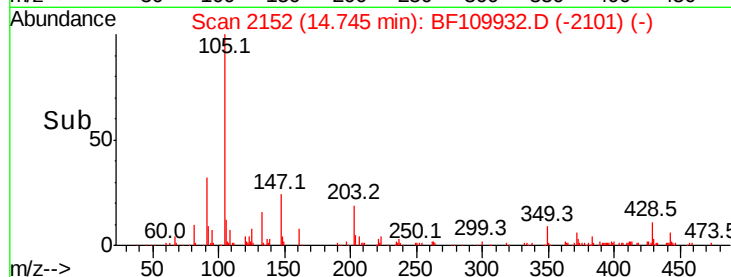
43 0.0 7.8 11.8#



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 43.00 (42.70 to 43.70): BF1



#86

Indeno(1,2,3-cd)pyrene

Concen: 333.919 ng

RT: 17.27 min Scan# 2581

Delta R.T. 0.01 min

Lab File: BF109932.D

Acq: 17 Oct 2018 20:48

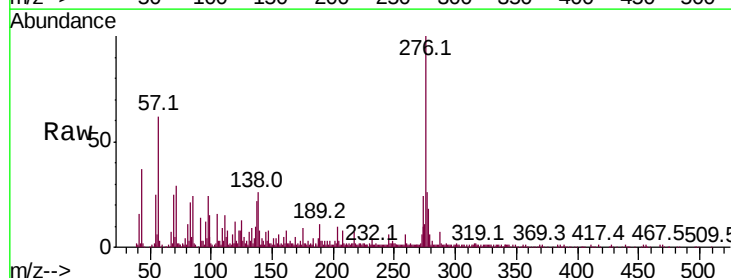
Tgt Ion:276 Resp: 194150

Ion Ratio Lower Upper

276 100

138 24.1 18.5 27.7

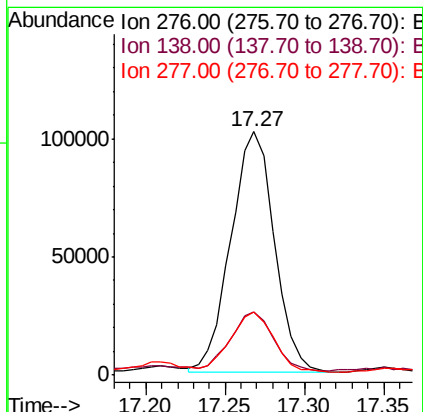
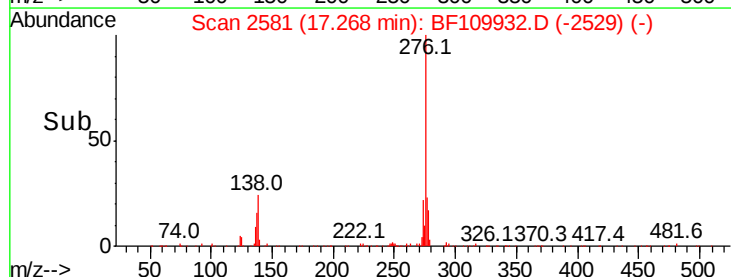
277 24.9 20.0 30.0

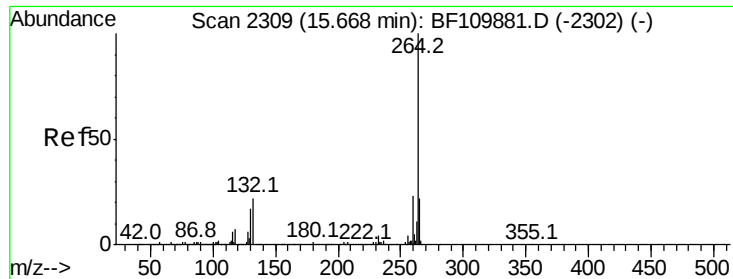


Abundance Ion 276.00 (275.70 to 276.70): E

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: 15.73 min Scan# 2319

Delta R.T. 0.04 min

Lab File: BF109932.D

Acq: 17 Oct 2018 20:48

Instrument :

BNA_F

ClientSampleId :

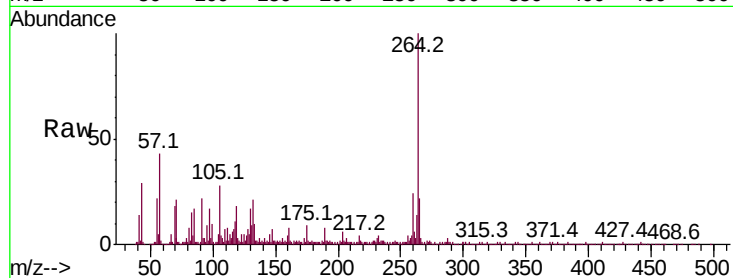
Tot Ion:264 Resp: 535188

Ion Ratio Lower Upper

264 100

260 24.3 18.7 28.1

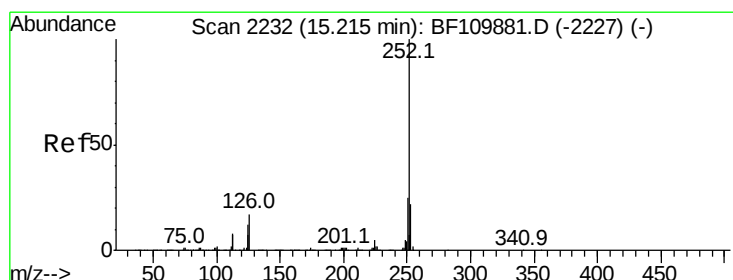
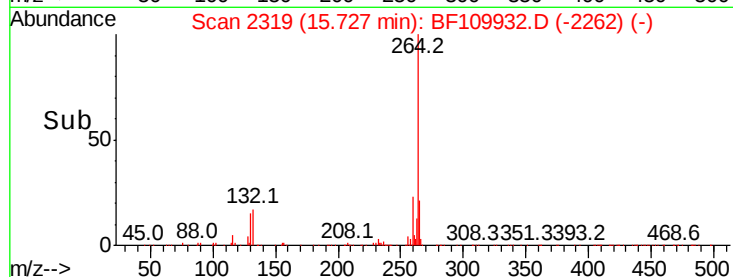
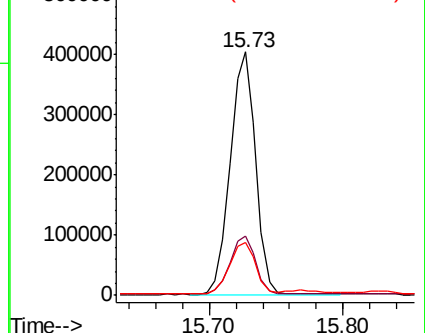
265 21.7 16.7 25.1



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: 17.697 ng

RT: 15.27 min Scan# 2241

Delta R.T. 0.04 min

Lab File: BF109932.D

Acq: 17 Oct 2018 20:48

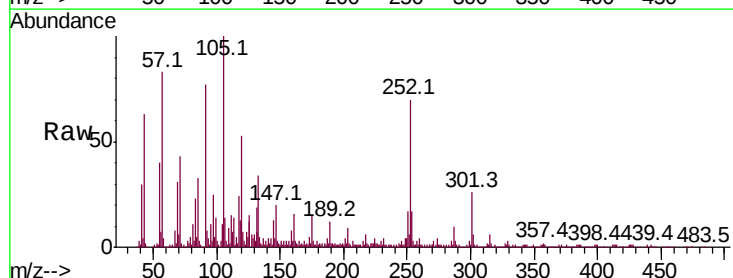
Tgt Ion:252 Resp: 546027

Ion Ratio Lower Upper

252 100

253 23.7 17.2 25.8

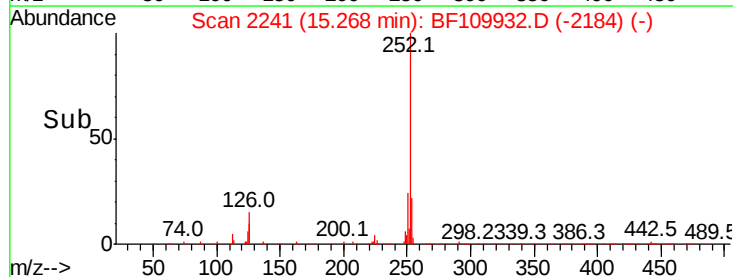
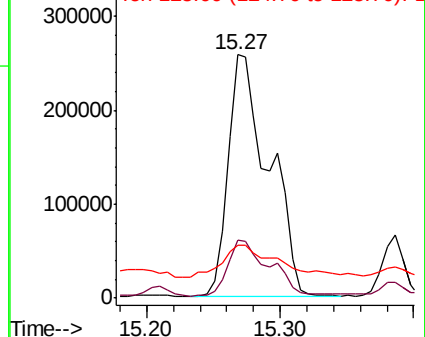
125 21.7 8.2 12.4#

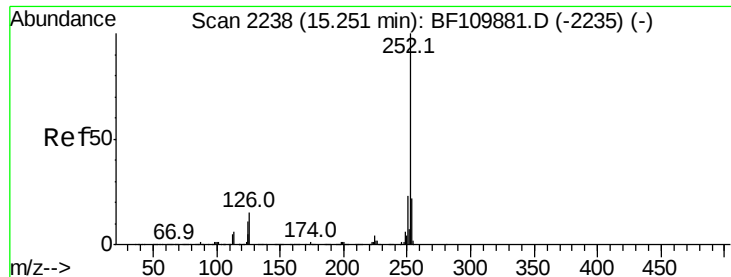


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

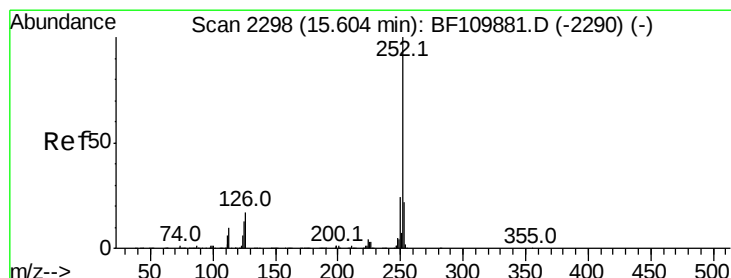
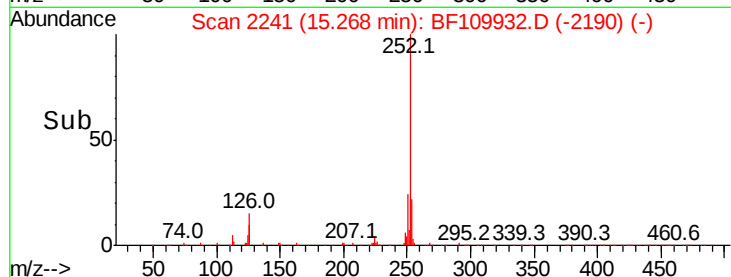
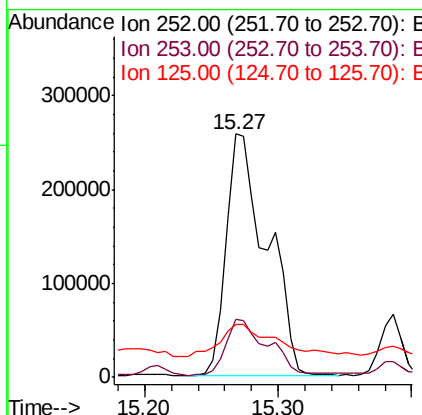
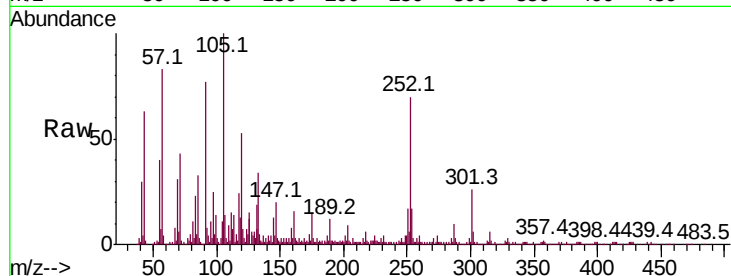




#89
Benzo(k)fluoranthene
Concen: 17.954 ng
RT: 15.27 min Scan# 2241
Delta R.T. -0.00 min
Lab File: BF109932.D
Acq: 17 Oct 2018 20:48

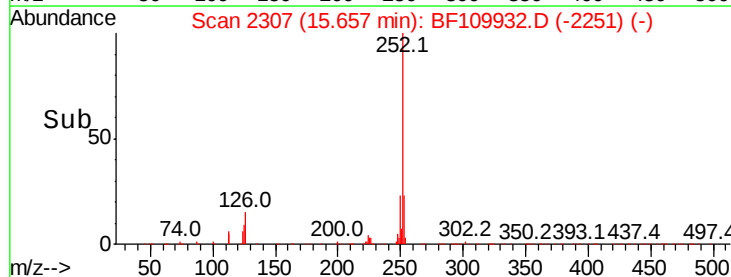
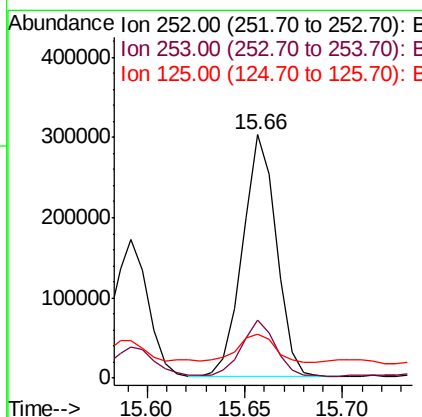
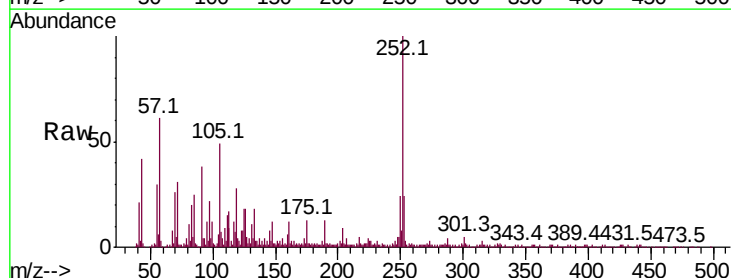
Instrument :
BNA_F
ClientSampleId :

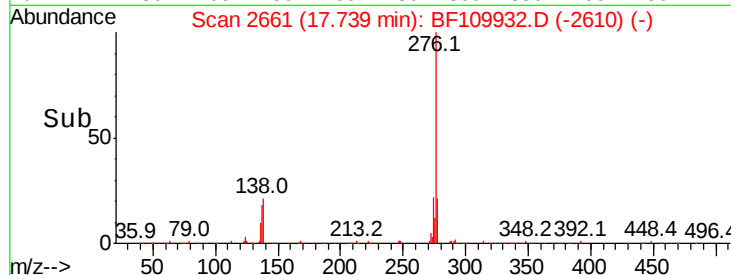
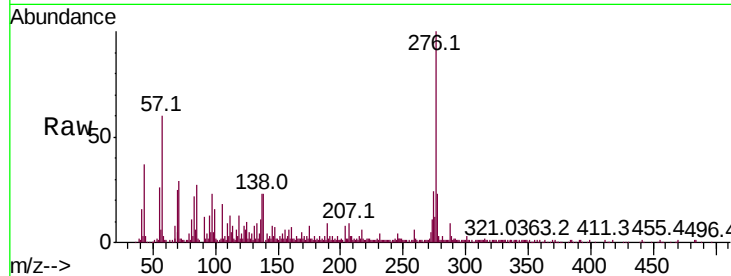
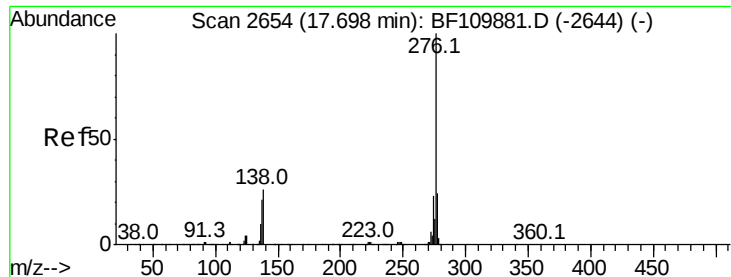
Tot Ion:252 Resp: 546027
Ion Ratio Lower Upper
252 100
253 23.7 17.2 25.8
125 21.7 7.4 11.0#



#90
Benzo(a)pyrene
Concen: 12.760 ng
RT: 15.66 min Scan# 2307
Delta R.T. 0.03 min
Lab File: BF109932.D
Acq: 17 Oct 2018 20:48

Tgt Ion:252 Resp: 362094
Ion Ratio Lower Upper
252 100
253 24.0 18.2 27.4
125 18.3 9.0 13.6#





#92
 Benzo(a,h,i)perylene
 Concen: 7.490 ng
 RT: 17.74 min Scan# 2661
 Delta R.T. -0.00 min
 Lab File: BF109932.D
 Acq: 17 Oct 2018 20:48

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
276	100		
277	22.9	18.8	28.2
138	23.4	16.0	24.0

