

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF100318\
 Data File : BF109555.D
 Acq On : 3 Oct 2018 19:10
 Operator : JU/SJ
 Sample : J5198-09 2X
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 CL-01-100218-E

Quant Time: Oct 04 02:18:28 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	6.70	152	75525	20.00	ng	0.00
21) Naphthalene-d8	7.99	136	264560	20.00	ng	0.00
38) Acenaphthene-d10	9.73	164	112695	20.00	ng	0.00
63) Phenanthrene-d10	11.21	188	236766	20.00	ng	0.00
75) Chrysene-d12	13.84	240	220391	20.00	ng	0.00
86) Perylene-d12	15.24	264	151906	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.32	112	174018	37.95	ng	0.00
7) Phenol-d6	6.35	99	234051	40.00	ng	-0.01
23) Nitrobenzene-d5	7.26	82	132826	29.64	ng	-0.02
41) 2,4,6-Tribromophenol	10.52	330	53919	48.53	ng	-0.01
44) 2-Fluorobiphenyl	9.06	172	225578	30.19	ng	-0.02
78) Terphenyl-d14	12.79	244	261628	29.13	ng	-0.01

Target Compounds

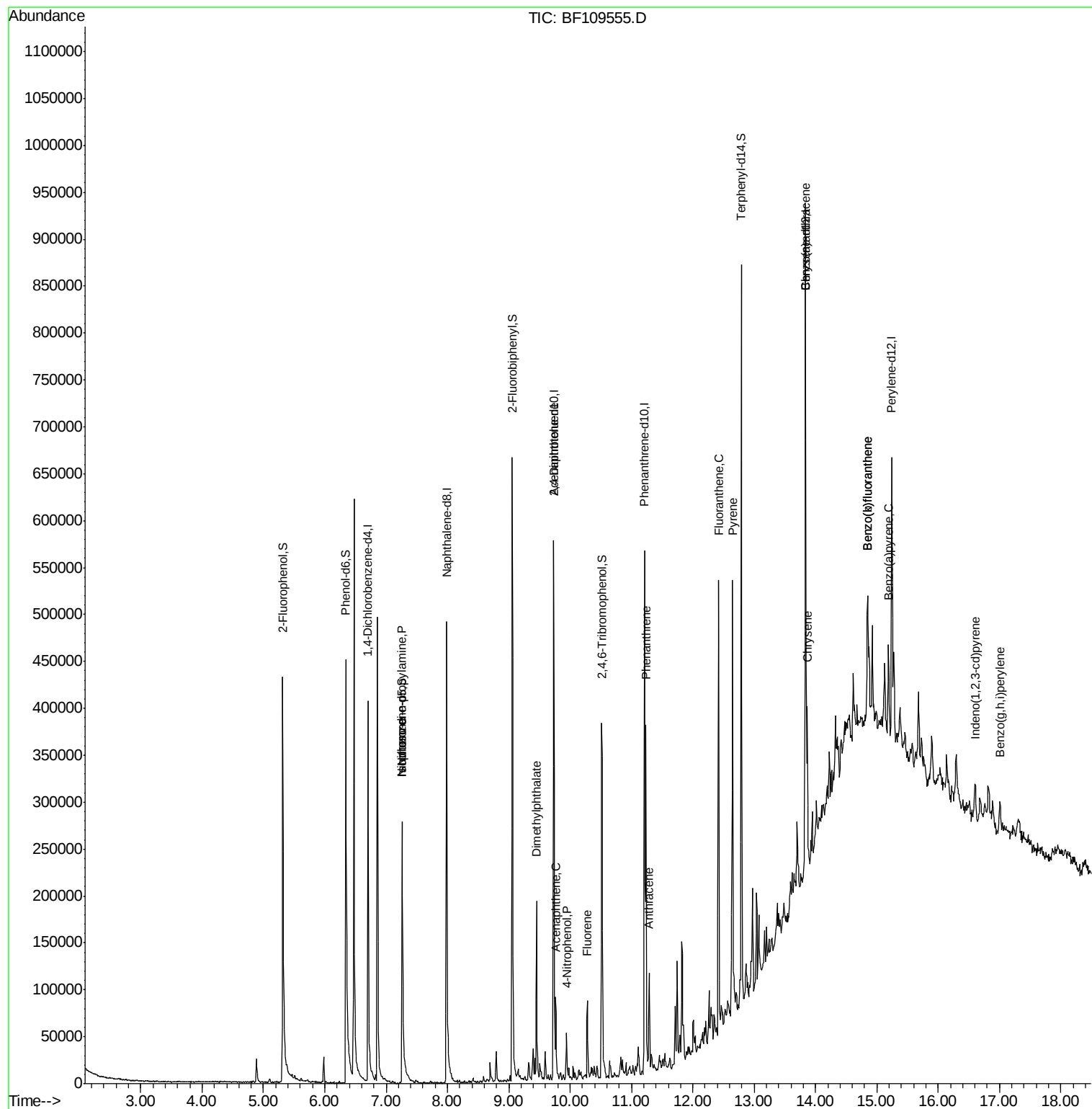
						Qvalue
19) n-Nitroso-di-n-propylamine	7.26	70	18240	4.757	ng	# 74
25) Isophorone	7.26	82	118997	14.745	ng	# 64
49) Dimethylphthalate	9.45	163	77760	9.487	ng	# 98
51) Acenaphthene	9.76	154	18003	2.691	ng	# 96
55) 4-Nitrophenol	9.94	139	7249	5.119	ng	# 9
56) 2,4-Dinitrotoluene	9.73	165	15300	7.449	ng	# 21
57) Fluorene	10.28	166	29216	4.115	ng	# 99
70) Phenanthrene	11.23	178	136719	11.565	ng	# 98
71) Anthracene	11.29	178	51357	4.283	ng	# 100
74) Fluoranthene	12.42	202	211670	16.755	ng	# 95
77) Pyrene	12.64	202	196790	12.459	ng	# 100
80) Benzo(a)anthracene	13.83	228	83052	6.256	ng	# 97
82) Chrysene	13.87	228	77670	5.903	ng	# 97
85) Indeno(1,2,3-cd)pyrene	16.60	276	24744	2.320	ng	# 91
87) Benzo(b)fluoranthene	14.85	252	91284	10.936	ng	# 92
88) Benzo(k)fluoranthene	14.85	252	91284	11.525	ng	# 95
89) Benzo(a)pyrene	15.19	252	47883	6.366	ng	# 91
91) Benzo(g,h,i)perylene	17.01	276	24388	4.021	ng	# 89

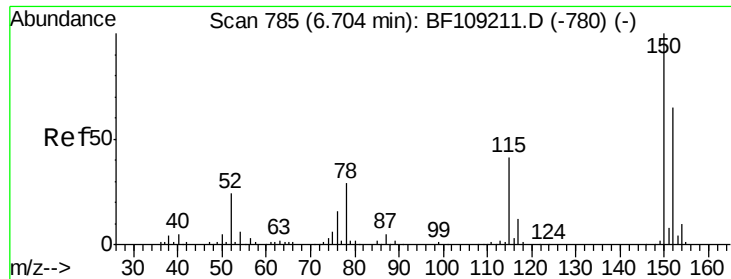
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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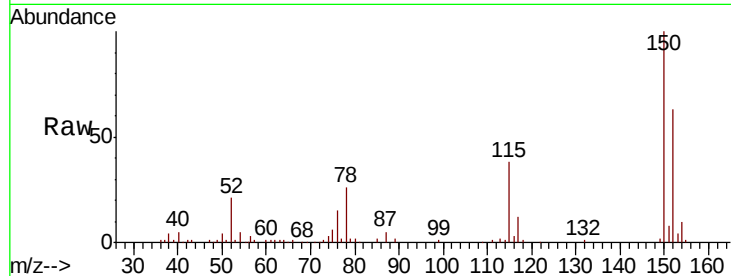




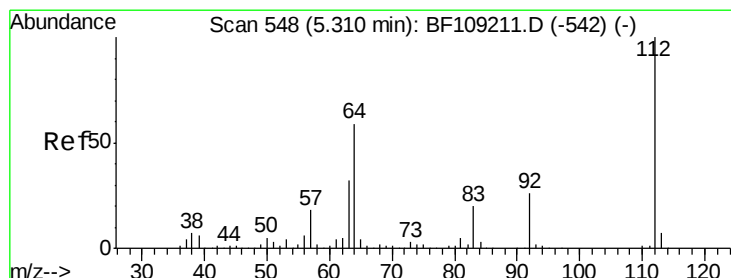
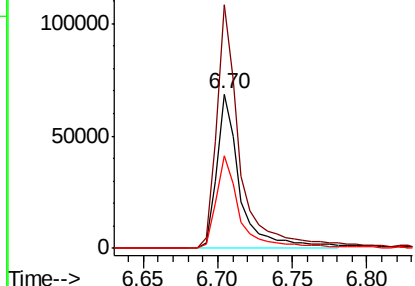
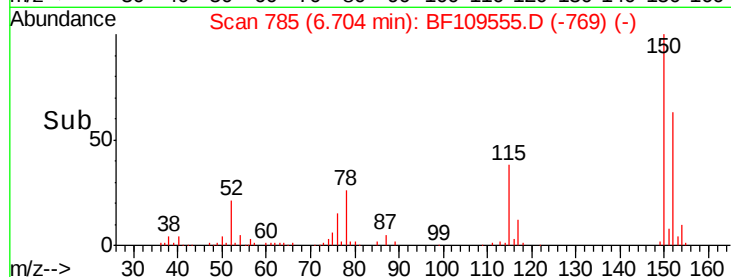
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.70 min Scan# 785
 Delta R.T. -0.01 min
 Lab File: BF109555.D
 Acq: 3 Oct 2018 19:10

Instrument :
 BNA_F
 ClientSampleId :
 CL-01-100218-E

Tgt Ion:152 Resp: 75525
 Ion Ratio Lower Upper
 152 100
 150 157.5 124.6 186.8
 115 60.2 50.1 75.1

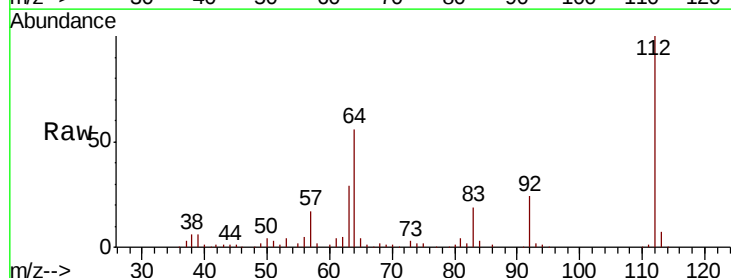


Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E

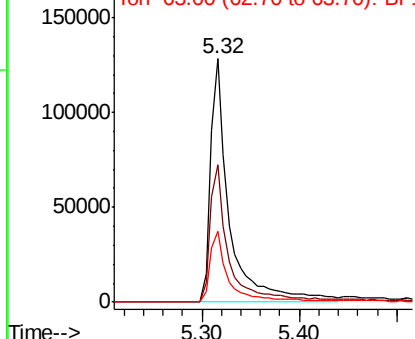
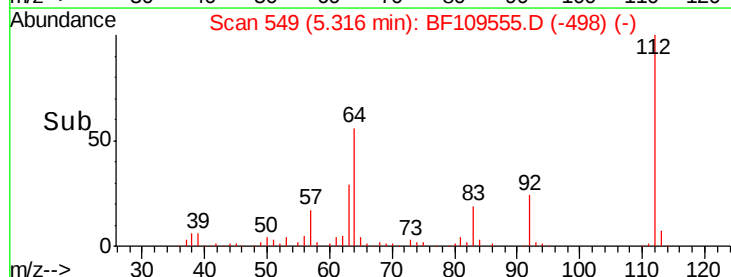


#5
 2-Fluorophenol
 Concen: 37.950 ng
 RT: 5.32 min Scan# 549
 Delta R.T. -0.00 min
 Lab File: BF109555.D
 Acq: 3 Oct 2018 19:10

Tgt Ion:112 Resp: 174018
 Ion Ratio Lower Upper
 112 100
 64 56.5 47.9 71.9
 63 29.1 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: 40.001 ng

RT: 6.35 min Scan# 724

Delta R.T. -0.01 min

Lab File: BF109555.D

Acq: 3 Oct 2018 19:10

Instrument :

BNA_F

ClientSampleId :

CL-01-100218-E

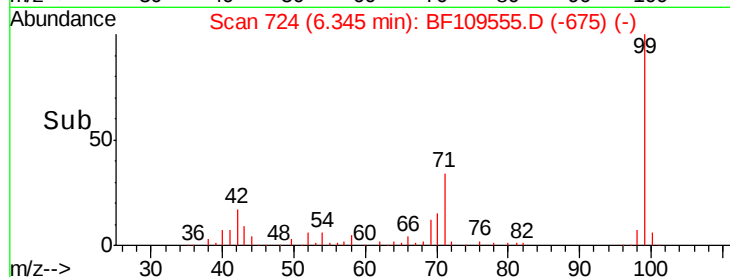
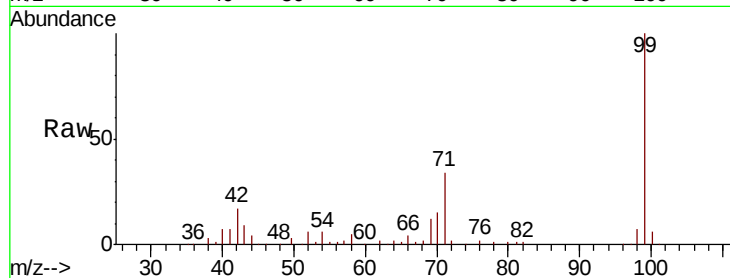
Tgt Ion: 99 Resp: 234051

Ion Ratio Lower Upper

99 100

42 17.1 14.5 21.7

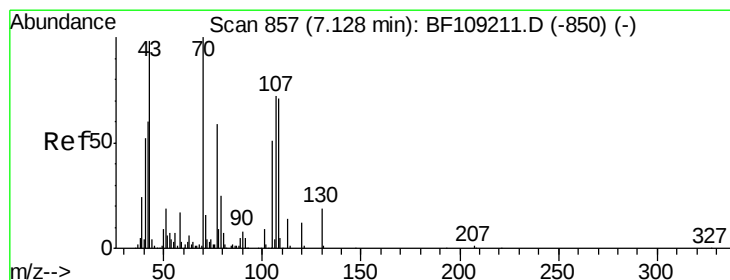
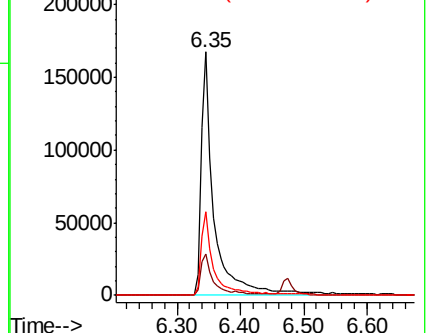
71 34.2 25.4 38.0



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



#19

n-Nitroso-di-n-propylamine

Concen: 4.757 ng

RT: 7.26 min Scan# 880

Delta R.T. 0.12 min

Lab File: BF109555.D

Acq: 3 Oct 2018 19:10

Tgt Ion: 70 Resp: 18240

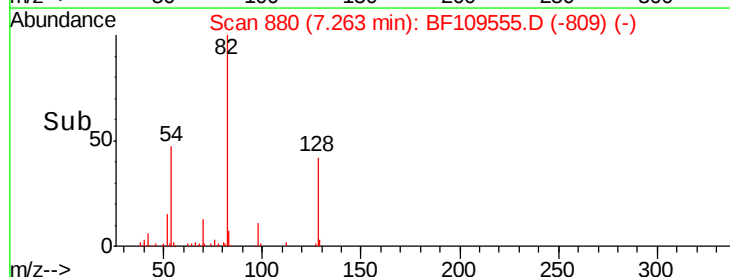
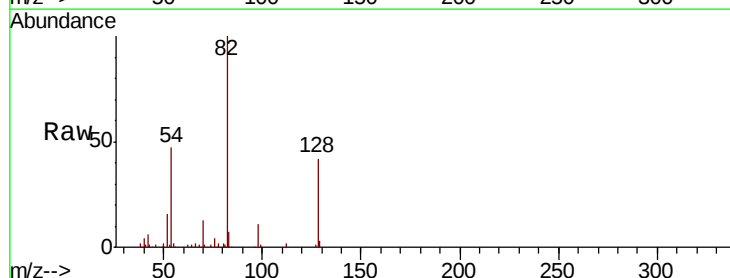
Ion Ratio Lower Upper

70 100

42 44.8 47.5 71.3#

101 0.0 7.4 11.2#

130 0.0 16.6 25.0#

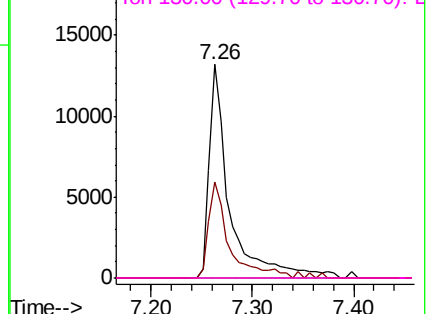


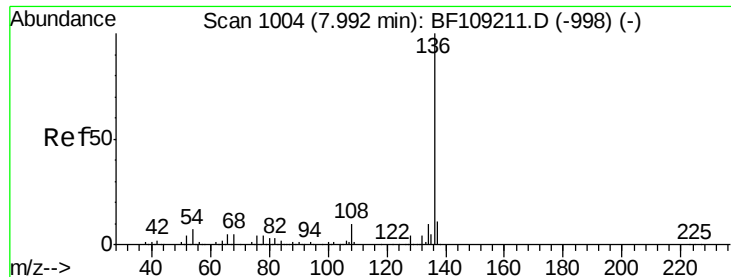
Abundance Ion 70.00 (69.70 to 70.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 101.00 (100.70 to 101.70): BF1

Ion 130.00 (129.70 to 130.70): BF1

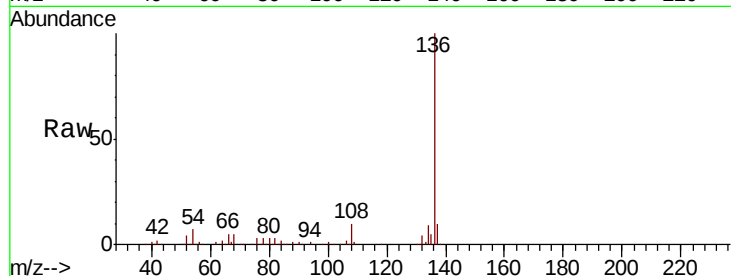




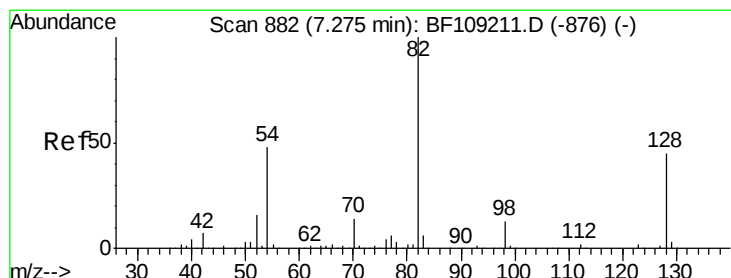
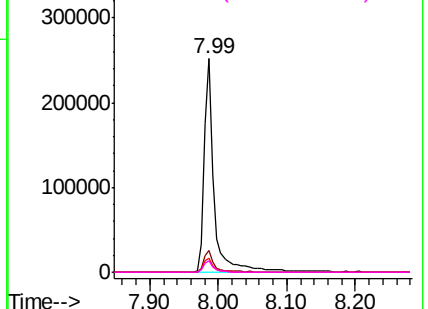
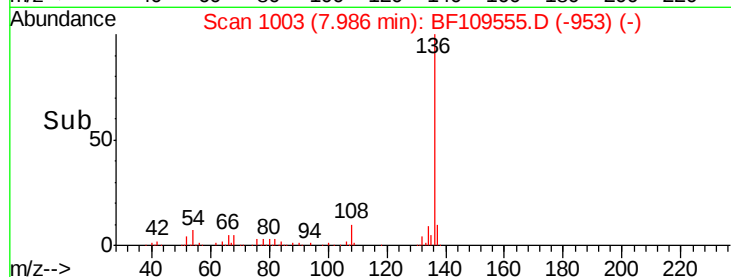
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 7.99 min Scan# 1003
Delta R.T. -0.01 min
Lab File: BF109555.D
Acq: 3 Oct 2018 19:10

Instrument :
BNA_F
ClientSampleId :
CL-01-100218-E

Tgt Ion:	136	Resp:	264560
Ion	Ratio	Lower	Upper
136	100		
137	10.3	8.9	13.3
54	6.7	6.6	9.8
68	5.2	5.0	7.4

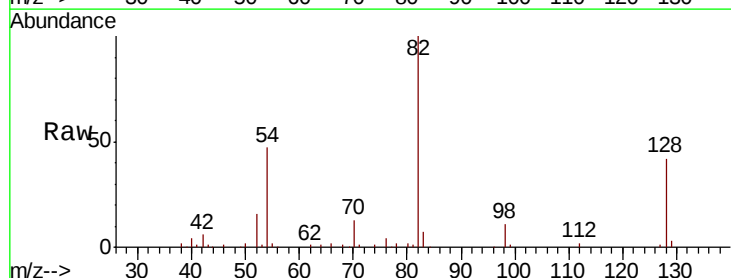


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

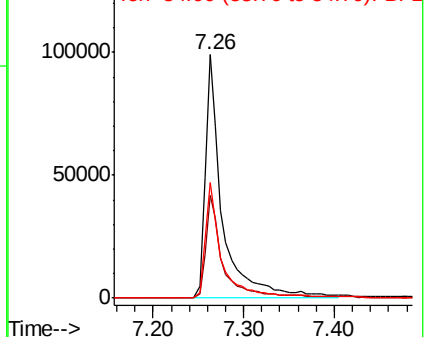
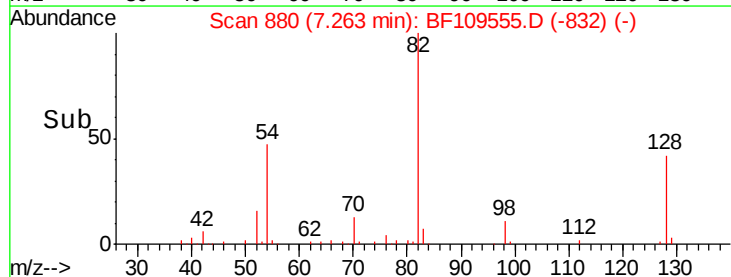


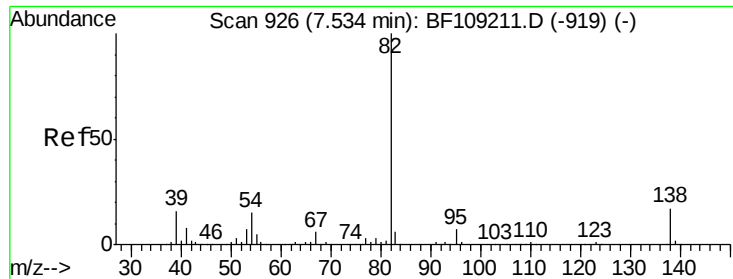
#23
Nitrobenzene-d5
Concen: 29.638 ng
RT: 7.26 min Scan# 880
Delta R.T. -0.02 min
Lab File: BF109555.D
Acq: 3 Oct 2018 19:10

Tgt Ion:	82	Resp:	132826
Ion	Ratio	Lower	Upper
82	100		
128	42.3	36.1	54.1
54	47.3	41.4	62.2



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

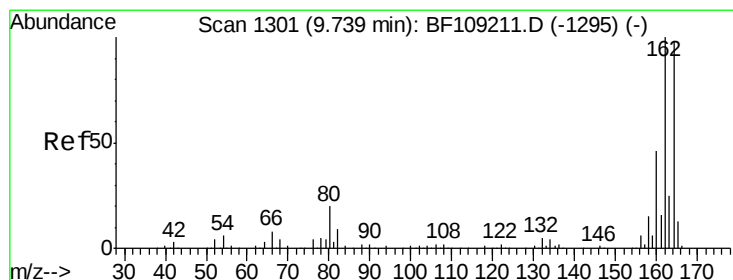
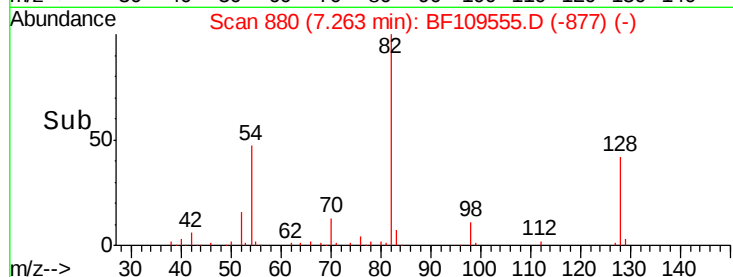
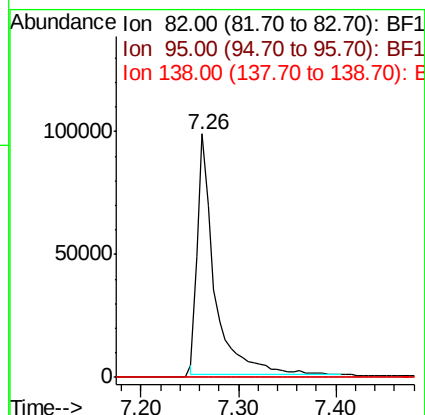
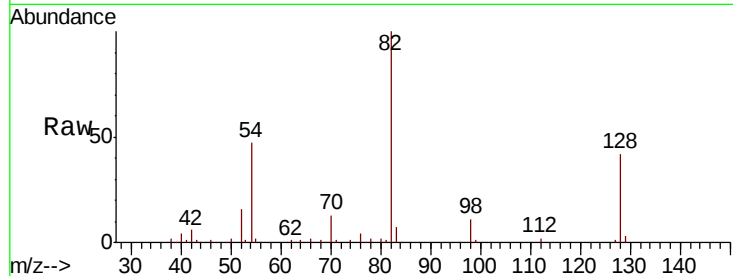




#25
Isophorone
Concen: 14.745 ng
RT: 7.26 min Scan# 880
Delta R.T. -0.28 min
Lab File: BF109555.D
Acq: 3 Oct 2018 19:10

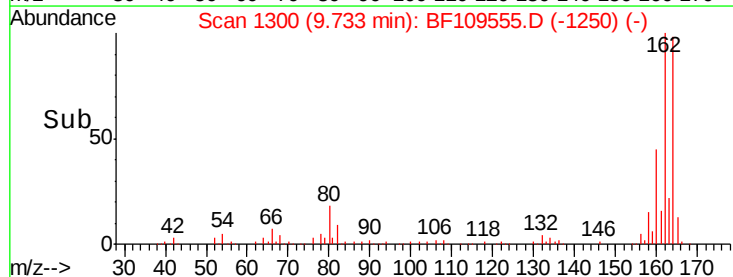
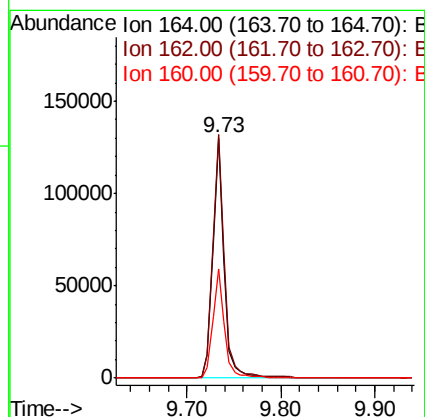
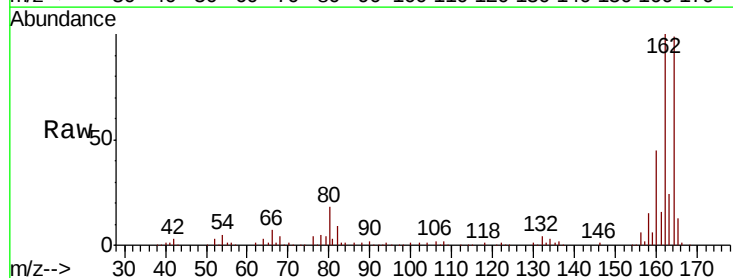
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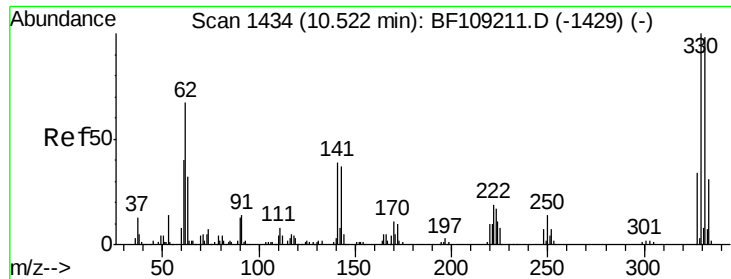
Tgt Ion: 82 Resp: 118997
Ion Ratio Lower Upper
82 100
95 0.0 5.2 7.8#
138 0.0 14.9 22.3#



#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.73 min Scan# 1300
Delta R.T. -0.01 min
Lab File: BF109555.D
Acq: 3 Oct 2018 19:10

Tgt Ion: 164 Resp: 112695
Ion Ratio Lower Upper
164 100
162 101.4 86.1 129.1
160 45.5 38.3 57.5

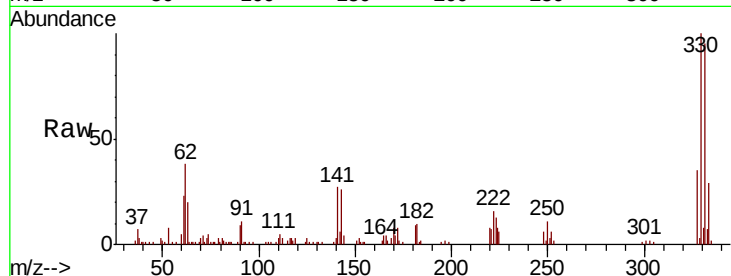




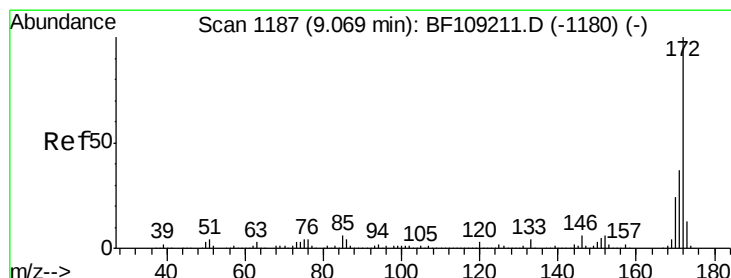
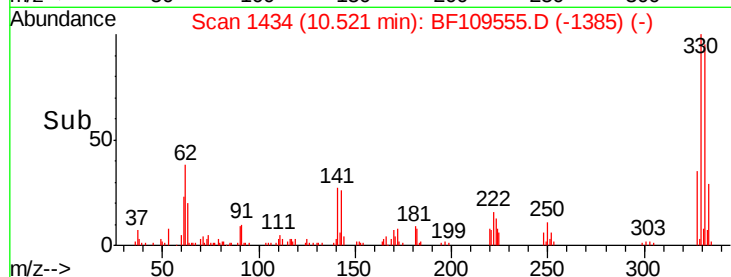
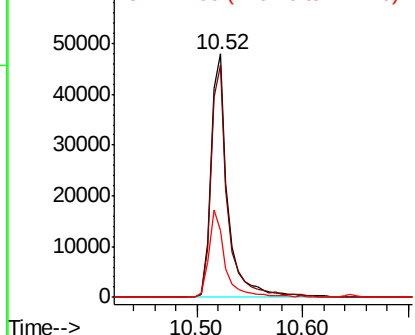
#41
 2,4,6-Tribromophenol
 Concen: 48.535 ng
 RT: 10.52 min Scan# 1434
 Delta R.T. -0.01 min
 Lab File: BF109555.D
 Acq: 3 Oct 2018 19:10

Instrument :
 BNA_F
 ClientSampleId :
 CL-01-100218-E

Tgt Ion:330 Resp: 53919
 Ion Ratio Lower Upper
 330 100
 332 94.5 77.0 115.6
 141 34.8 29.9 44.9

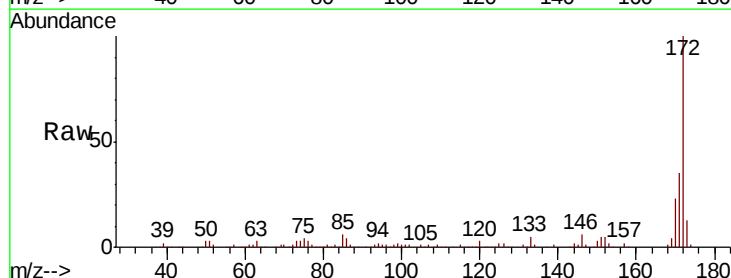


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

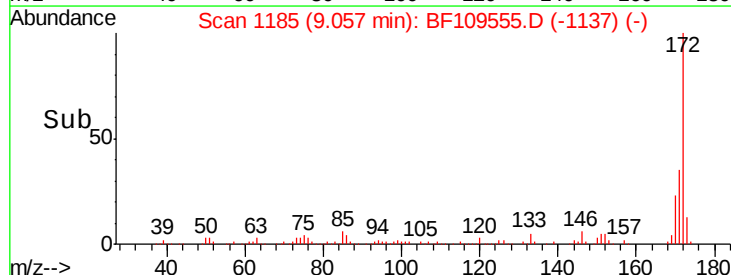
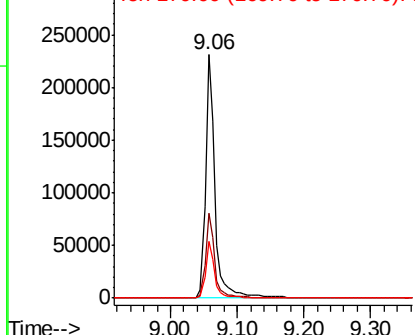


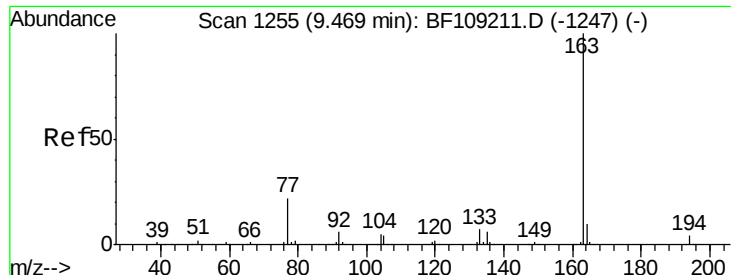
#44
 2-Fluorobiphenyl
 Concen: 30.189 ng
 RT: 9.06 min Scan# 1185
 Delta R.T. -0.02 min
 Lab File: BF109555.D
 Acq: 3 Oct 2018 19:10

Tgt Ion:172 Resp: 225578
 Ion Ratio Lower Upper
 172 100
 171 35.0 29.7 44.5
 170 23.3 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

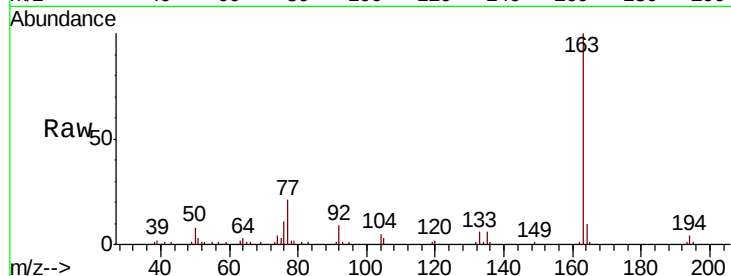




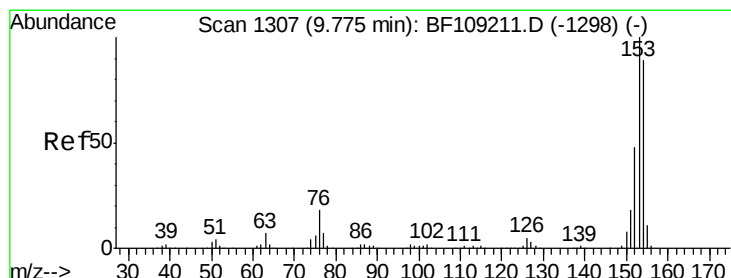
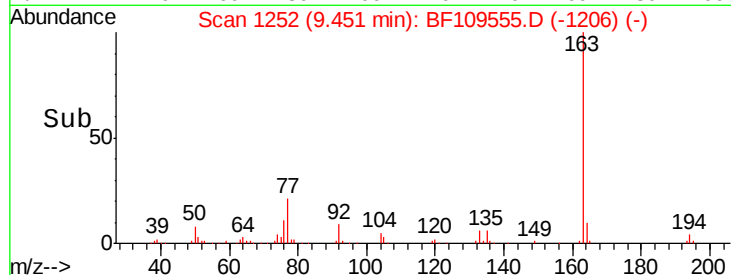
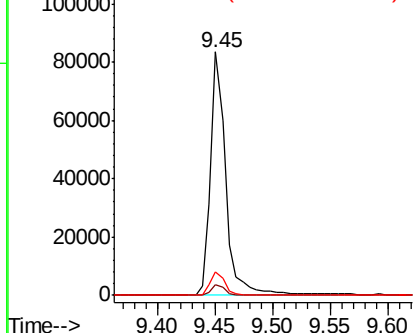
#49
Dimethylphthalate
Concen: 9.487 ng
RT: 9.45 min Scan# 1252
Delta R.T. -0.03 min
Lab File: BF109555.D
Acq: 3 Oct 2018 19:10

Instrument :
BNA_F
ClientSampleId :
CL-01-100218-E

Tgt Ion:163 Resp: 77760
Ion Ratio Lower Upper
163 100
194 4.1 2.7 4.1#
164 9.7 8.2 12.2

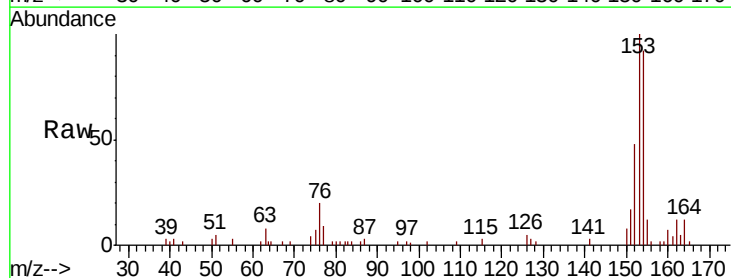


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

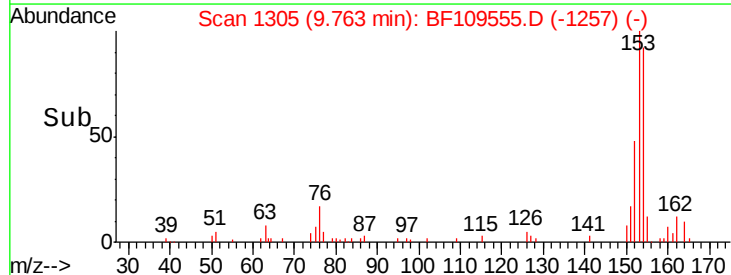
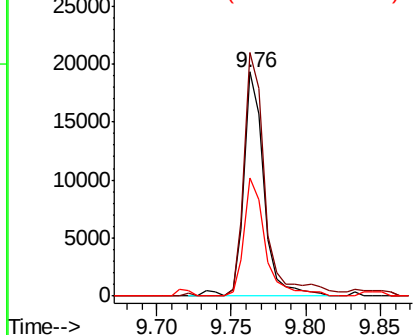


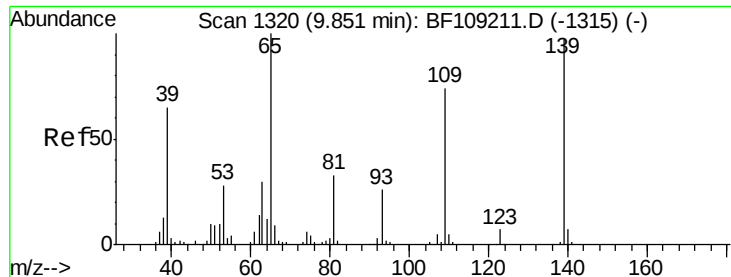
#51
Acenaphthene
Concen: 2.691 ng
RT: 9.76 min Scan# 1305
Delta R.T. -0.02 min
Lab File: BF109555.D
Acq: 3 Oct 2018 19:10

Tgt Ion:154 Resp: 18003
Ion Ratio Lower Upper
154 100
153 108.7 91.2 136.8
152 52.7 43.8 65.8



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

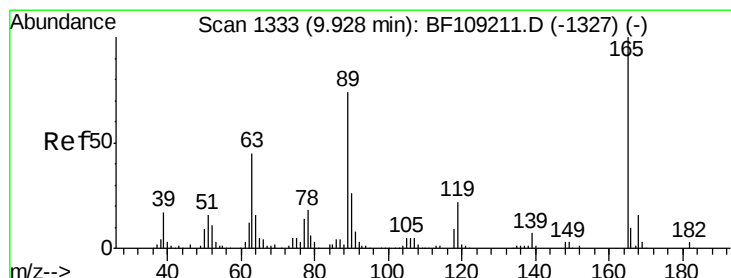
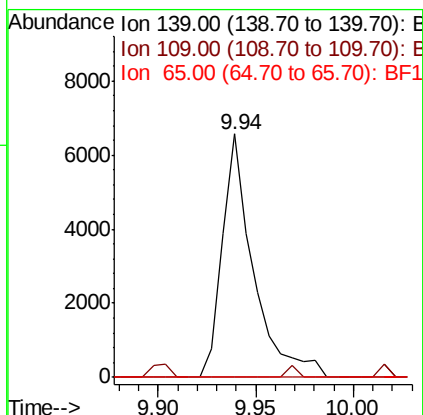
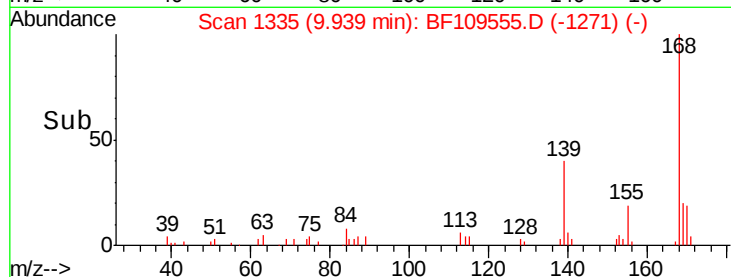
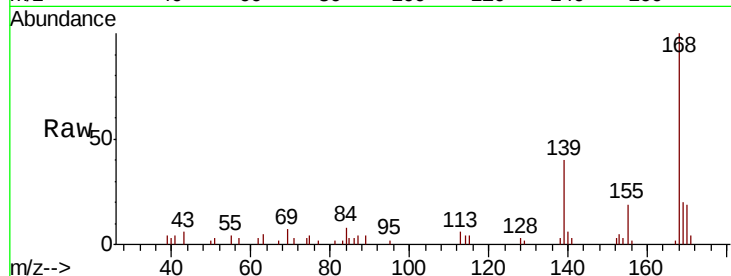




#55
4-Nitrophenol
Concen: 5.119 ng
RT: 9.94 min Scan# 1335
Delta R.T. 0.08 min
Lab File: BF109555.D
Acq: 3 Oct 2018 19:10

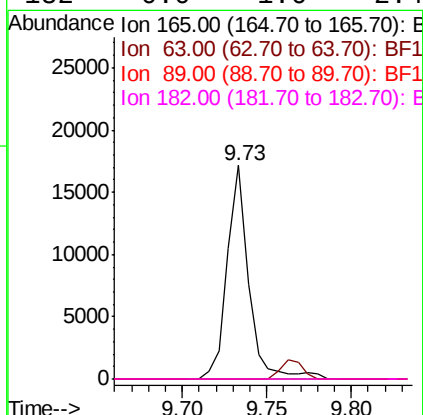
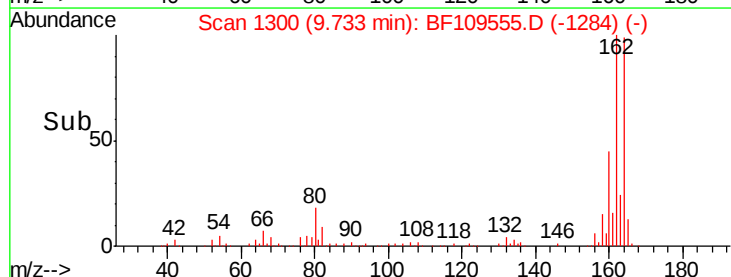
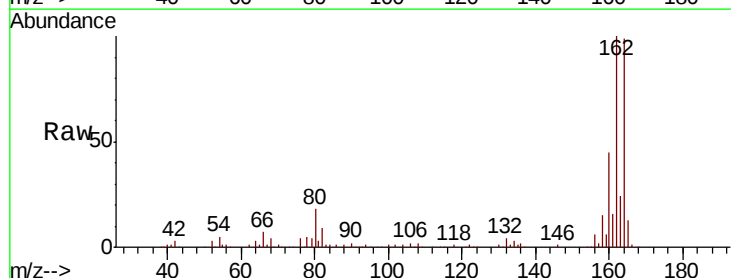
Instrument :
BNA_F
ClientSampleId :
CL-01-100218-E

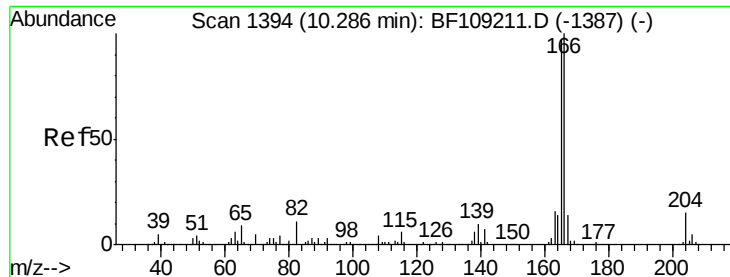
Tgt Ion:139 Resp: 7249
Ion Ratio Lower Upper
139 100
109 0.0 48.4 88.4#
65 0.0 72.6 112.6#



#56
2,4-Dinitrotoluene
Concen: 7.449 ng
RT: 9.73 min Scan# 1300
Delta R.T. -0.21 min
Lab File: BF109555.D
Acq: 3 Oct 2018 19:10

Tgt Ion:165 Resp: 15300
Ion Ratio Lower Upper
165 100
63 0.0 36.4 54.6#
89 0.0 57.8 86.6#
182 0.0 1.6 2.4#

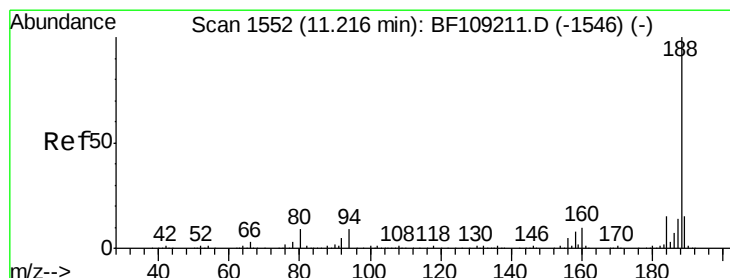
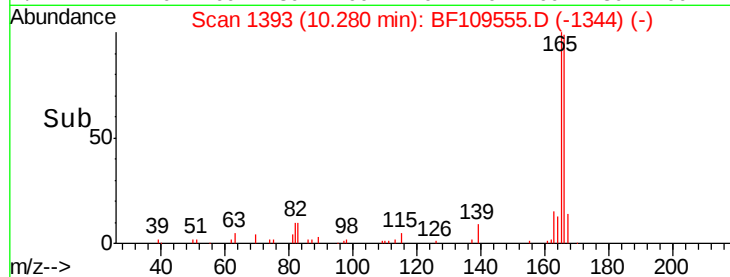
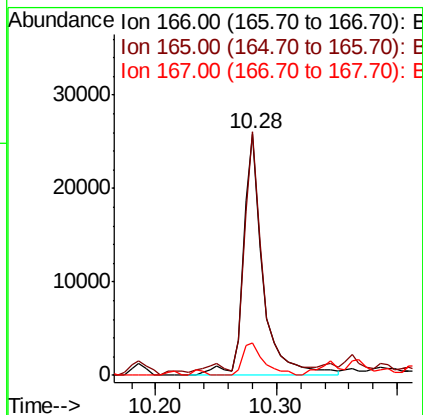
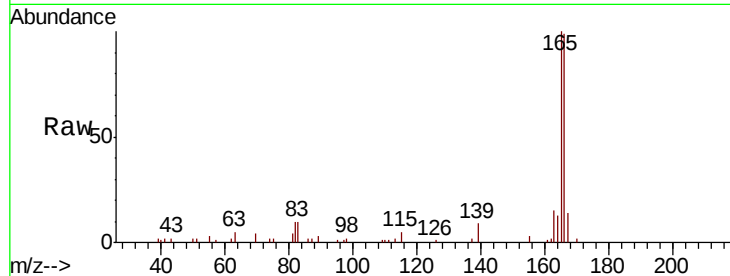




#57
Fluorene
 Concen: 4.115 ng
 RT: 10.28 min Scan# 1393
 Delta R.T. -0.01 min
 Lab File: BF109555.D
 Acq: 3 Oct 2018 19:10

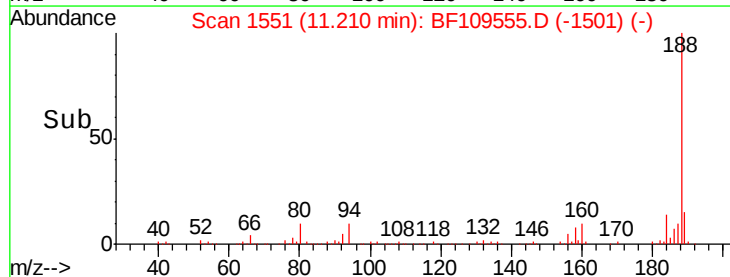
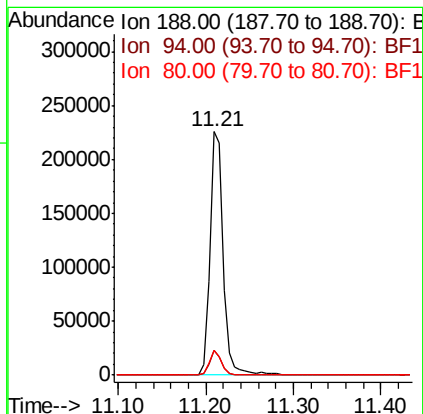
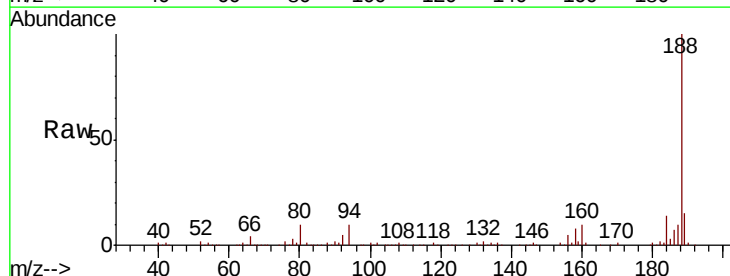
Instrument :
 BNA_F
 ClientSampleId :
 CL-01-100218-E

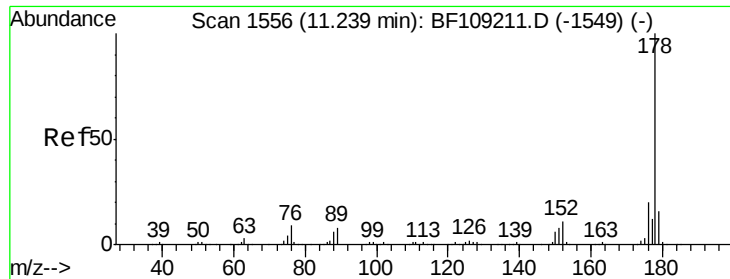
Tgt Ion:166 Resp: 29216
 Ion Ratio Lower Upper
 166 100
 165 101.0 79.8 119.8
 167 13.7 10.6 16.0



#63
Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.21 min Scan# 1551
 Delta R.T. -0.01 min
 Lab File: BF109555.D
 Acq: 3 Oct 2018 19:10

Tgt Ion:188 Resp: 236766
 Ion Ratio Lower Upper
 188 100
 94 10.0 8.5 12.7
 80 10.0 9.2 13.8





#70

Phenanthrene

Concen: 11.565 ng

RT: 11.23 min Scan# 1555

Delta R.T. -0.01 min

Lab File: BF109555.D

Acq: 3 Oct 2018 19:10

Instrument :

BNA_F

ClientSampleId :

CL-01-100218-E

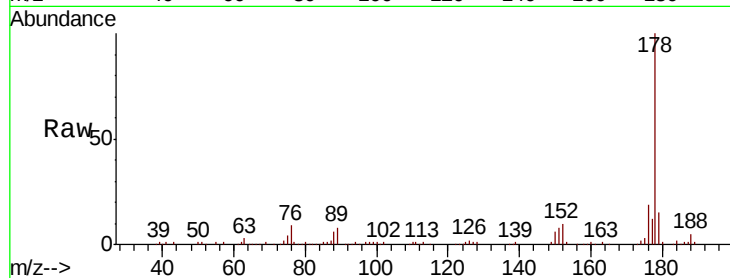
Tgt Ion:178 Resp: 136719

Ion Ratio Lower Upper

178 100

176 19.1 15.8 23.8

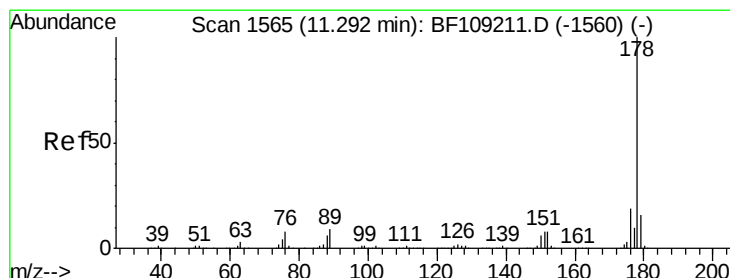
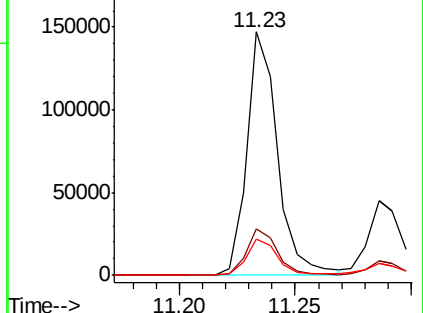
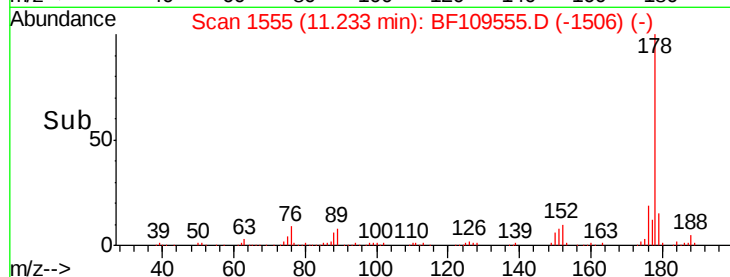
179 14.8 13.0 19.6



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: 4.283 ng

RT: 11.29 min Scan# 1564

Delta R.T. -0.01 min

Lab File: BF109555.D

Acq: 3 Oct 2018 19:10

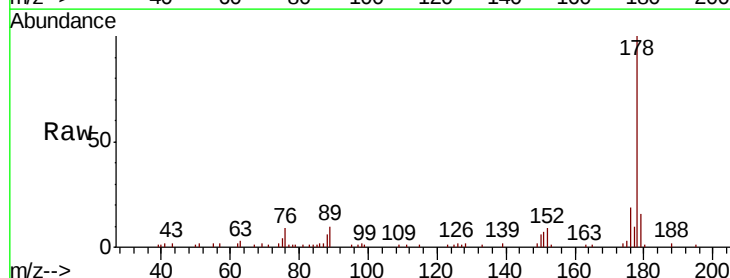
Tgt Ion:178 Resp: 51357

Ion Ratio Lower Upper

178 100

176 19.3 15.4 23.2

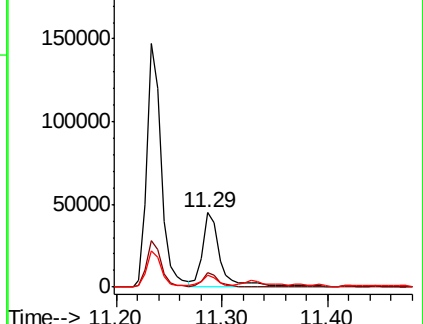
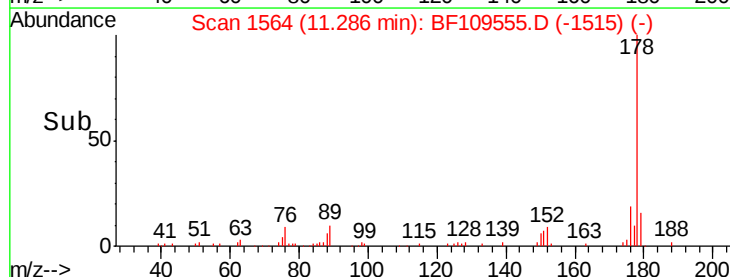
179 15.7 12.6 19.0

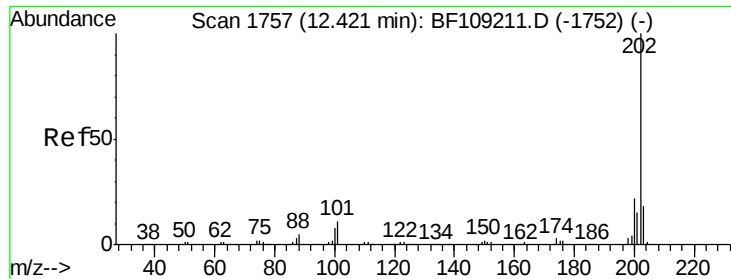


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#74

Fluoranthene

Concen: 16.755 ng

RT: 12.42 min Scan# 1757

Delta R.T. -0.01 min

Lab File: BF109555.D

Acq: 3 Oct 2018 19:10

Instrument :

BNA_F

ClientSampleId :

CL-01-100218-E

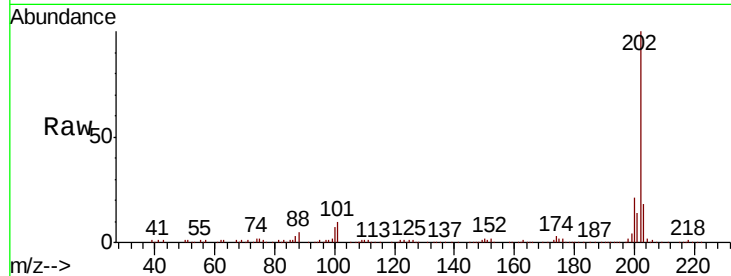
Tgt Ion: 202 Resp: 211670

Ion Ratio Lower Upper

202 100

101 9.9 0.0 34.1

203 17.6 0.0 38.1

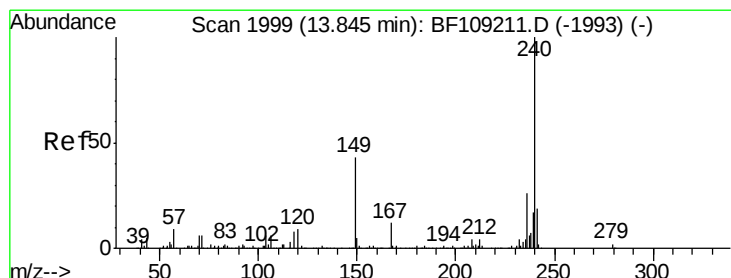
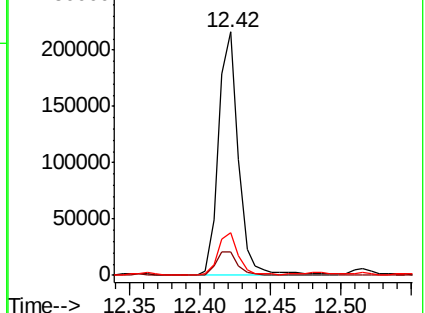
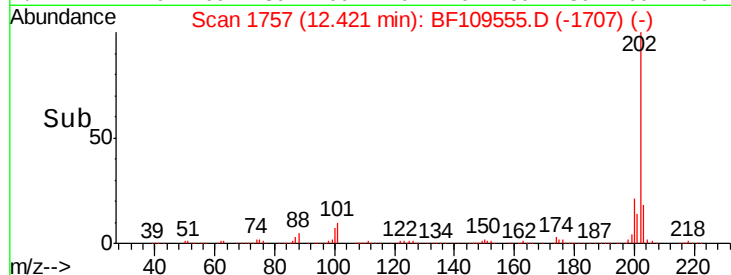


Abundance

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# 1998

Delta R.T. -0.01 min

Lab File: BF109555.D

Acq: 3 Oct 2018 19:10

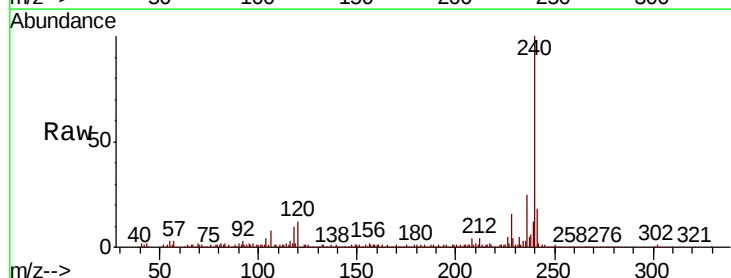
Tgt Ion: 240 Resp: 220391

Ion Ratio Lower Upper

240 100

120 11.6 9.5 14.3

236 24.6 20.7 31.1

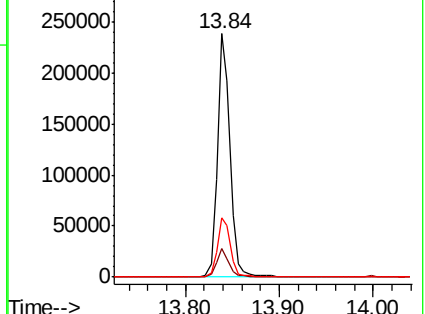
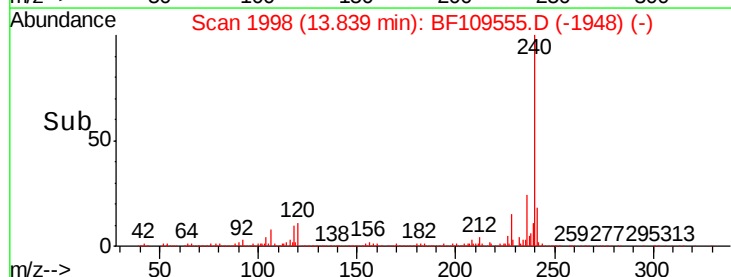


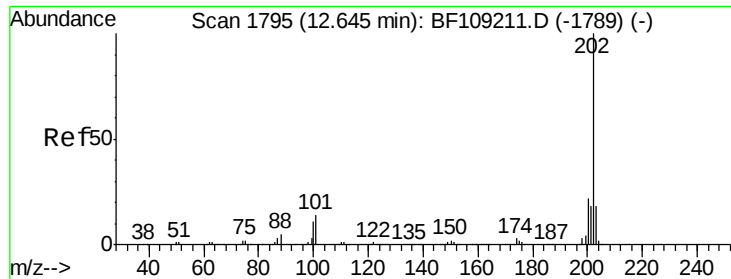
Abundance

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: 12.459 ng

RT: 12.64 min Scan# 1795

Delta R.T. -0.01 min

Lab File: BF109555.D

Acq: 3 Oct 2018 19:10

Instrument :

BNA_F

ClientSampleId :

CL-01-100218-E

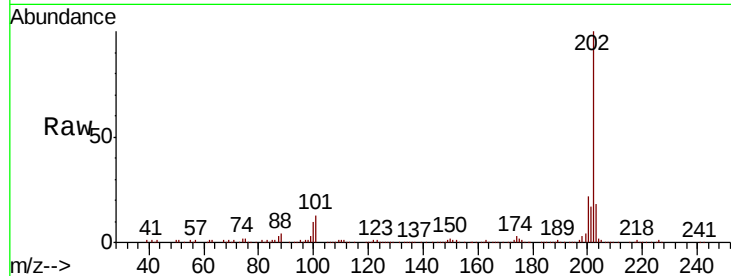
Tgt Ion:202 Resp: 196790

Ion Ratio Lower Upper

202 100

200 21.5 17.4 26.2

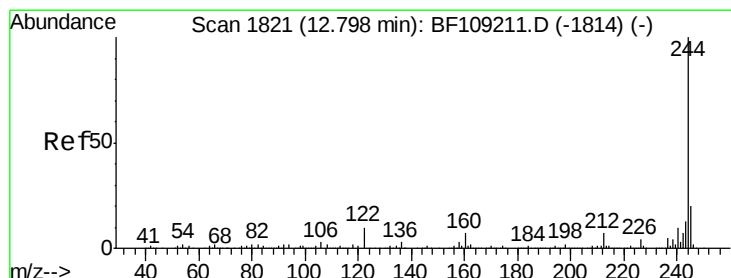
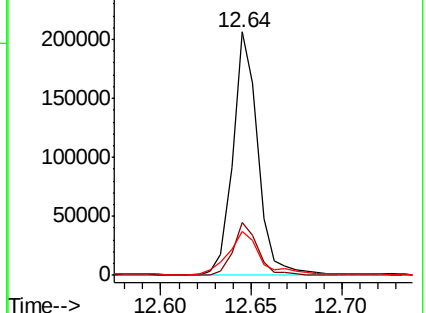
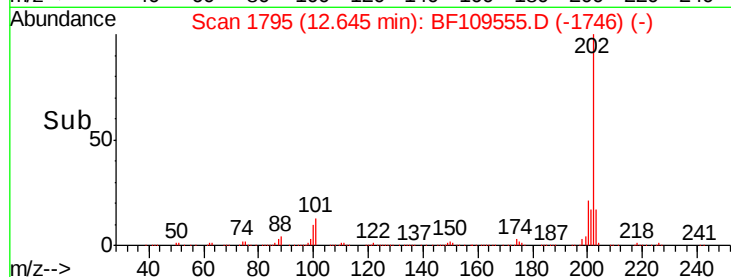
203 17.9 14.3 21.5



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: 29.134 ng

RT: 12.79 min Scan# 1820

Delta R.T. -0.01 min

Lab File: BF109555.D

Acq: 3 Oct 2018 19:10

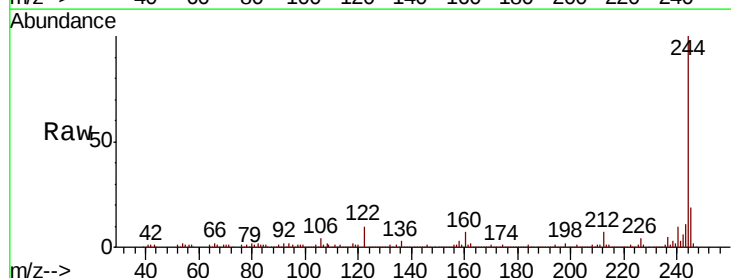
Tgt Ion:244 Resp: 261628

Ion Ratio Lower Upper

244 100

212 6.8 5.4 8.0

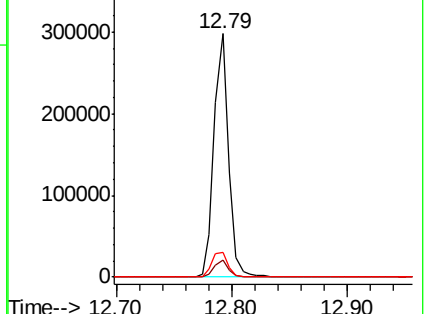
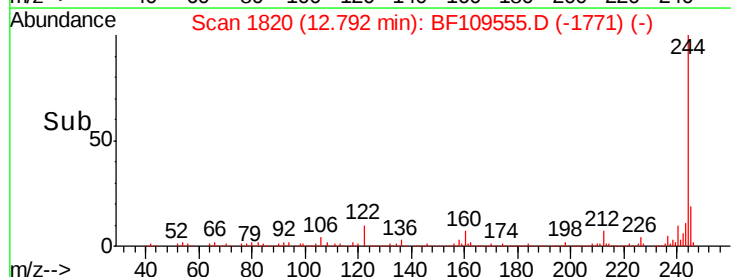
122 10.1 11.0 16.4#

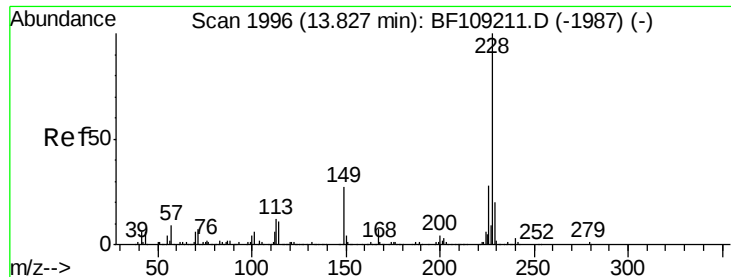


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#80

Benzo(a)anthracene

Concen: 6.256 ng

RT: 13.83 min Scan# 1997

Delta R.T. -0.00 min

Lab File: BF109555.D

Acq: 3 Oct 2018 19:10

Instrument :

BNA_F

ClientSampleId :

CL-01-100218-E

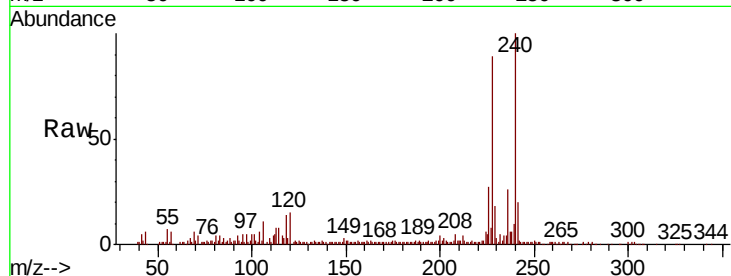
Tgt Ion:228 Resp: 83052

Ion Ratio Lower Upper

228 100

226 30.0 22.6 33.8

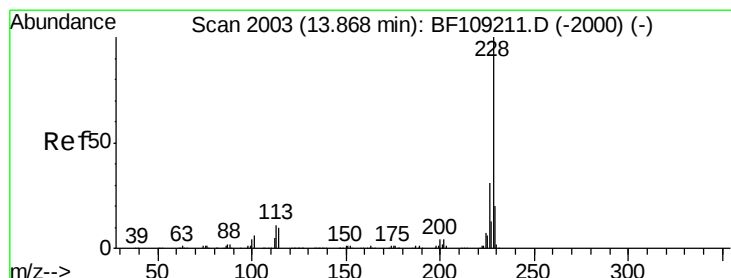
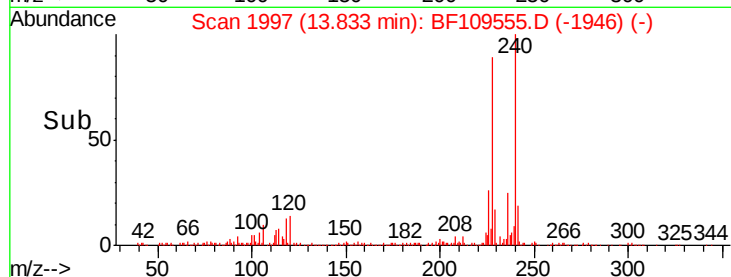
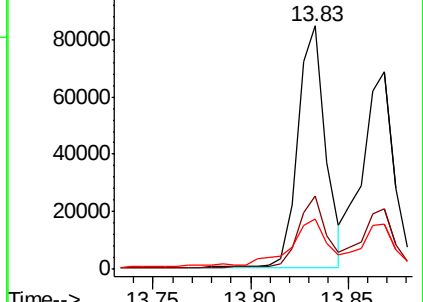
229 20.5 15.8 23.6



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: 5.903 ng

RT: 13.87 min Scan# 2003

Delta R.T. -0.01 min

Lab File: BF109555.D

Acq: 3 Oct 2018 19:10

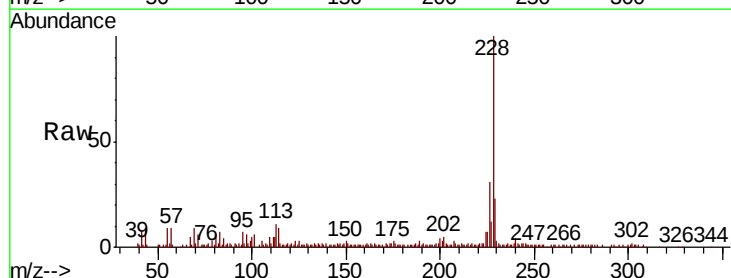
Tgt Ion:228 Resp: 77670

Ion Ratio Lower Upper

228 100

226 30.7 25.0 37.6

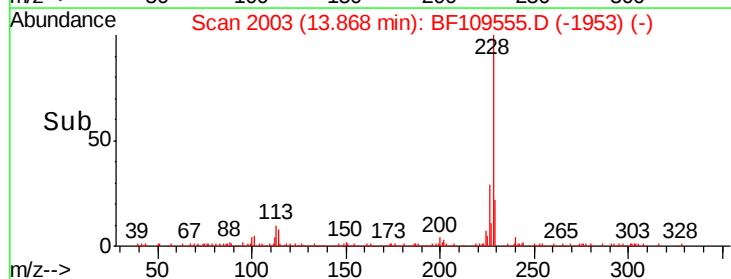
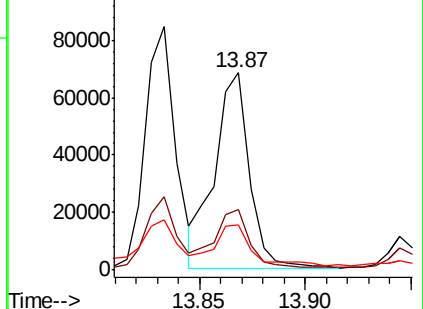
229 23.0 16.2 24.4

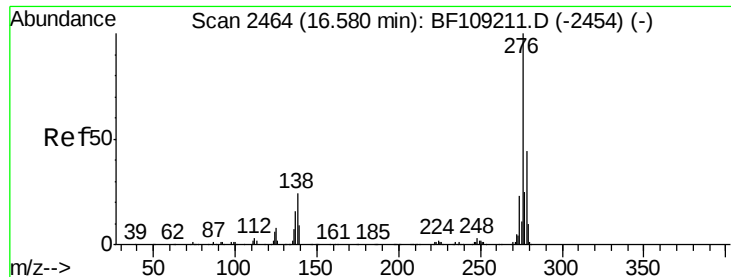


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

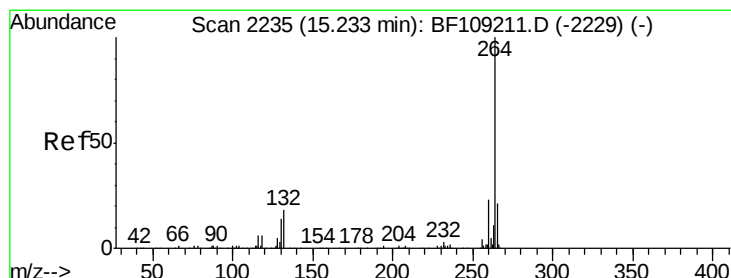
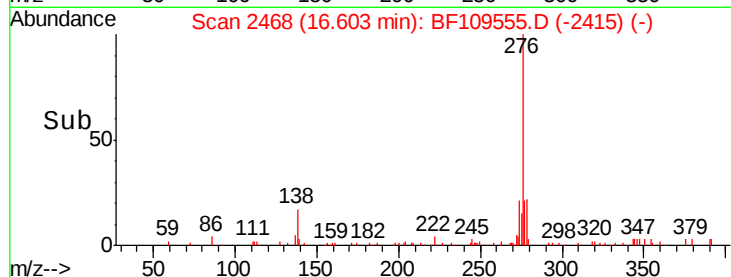
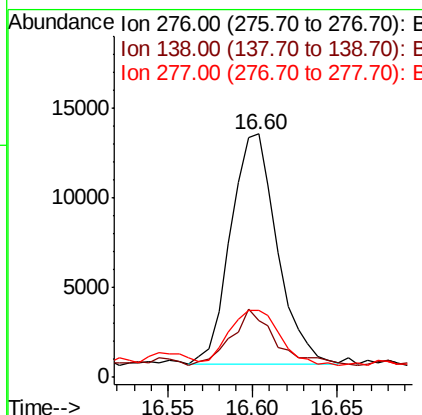
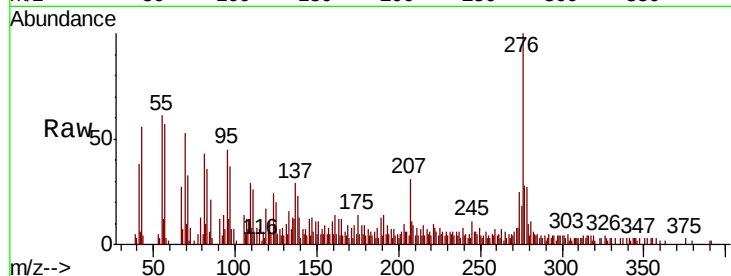




#85
 Indeno(1,2,3-cd)pyrene
 Concen: 2.320 ng
 RT: 16.60 min Scan# 2468
 Delta R.T. 0.01 min
 Lab File: BF109555.D
 Acq: 3 Oct 2018 19:10

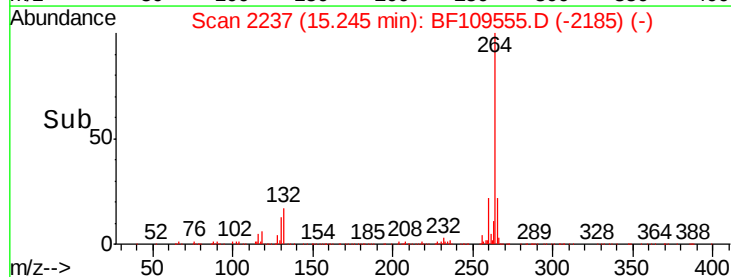
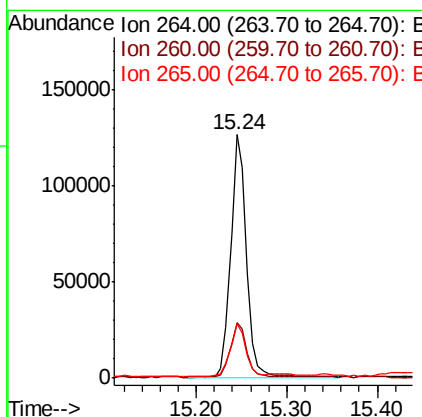
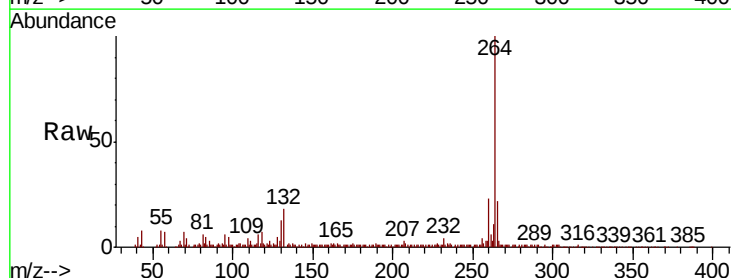
Instrument :
 BNA_F
 ClientSampleId :
 CL-01-100218-E

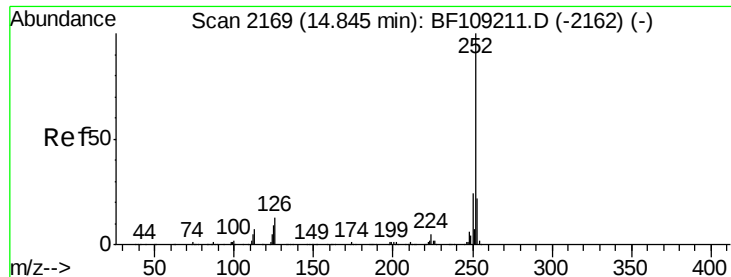
Tgt Ion: 276 Resp: 24744
 Ion Ratio Lower Upper
 276 100
 138 23.5 25.0 37.6#
 277 26.2 20.1 30.1



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.24 min Scan# 2237
 Delta R.T. 0.01 min
 Lab File: BF109555.D
 Acq: 3 Oct 2018 19:10

Tgt Ion: 264 Resp: 151906
 Ion Ratio Lower Upper
 264 100
 260 22.6 19.2 28.8
 265 22.5 17.5 26.3





#87

Benzo(b)fluoranthene

Concen: 10.936 ng

RT: 14.85 min Scan# 2170

Delta R.T. -0.00 min

Lab File: BF109555.D

Acq: 3 Oct 2018 19:10

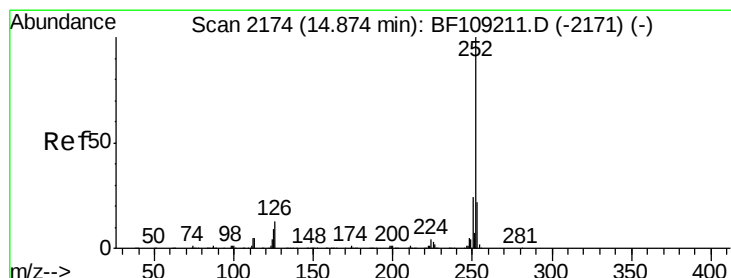
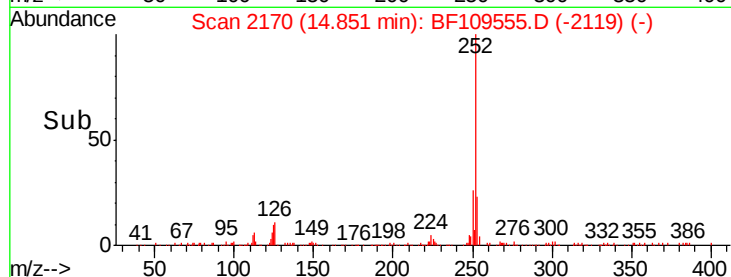
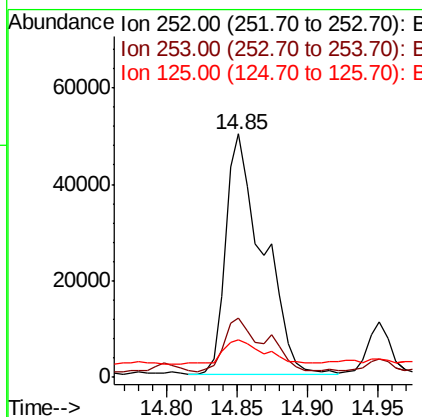
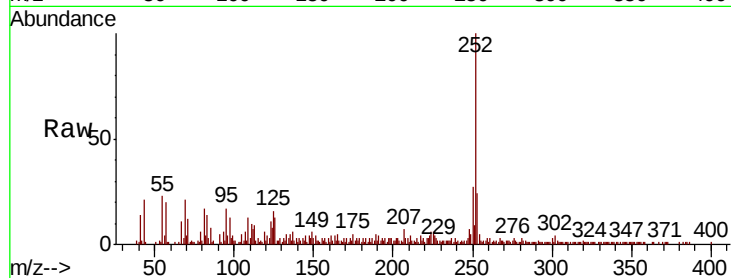
Instrument :

BNA_F

ClientSampleId :

CL-01-100218-E

Tgt Ion:	252	Resp:	91284
Ion Ratio	Lower	Upper	
252	100		
253	24.5	17.0	25.6
125	15.6	9.0	13.6#



#88

Benzo(k)fluoranthene

Concen: 11.525 ng

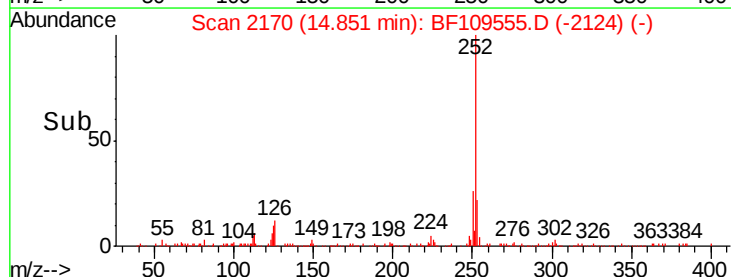
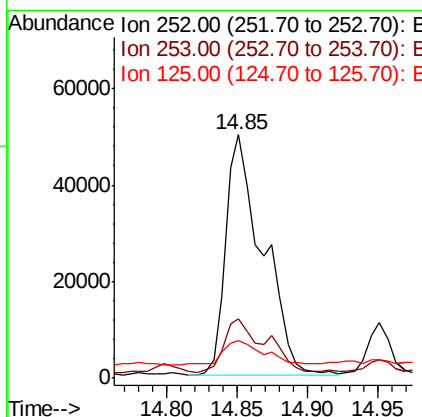
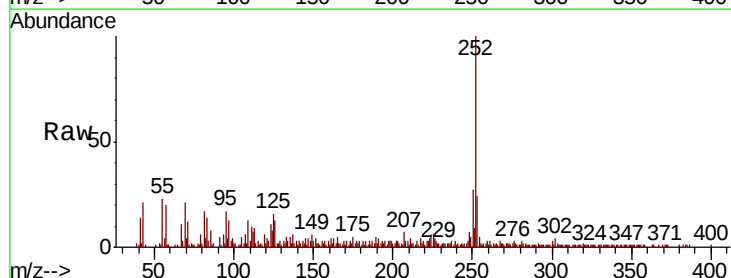
RT: 14.85 min Scan# 2170

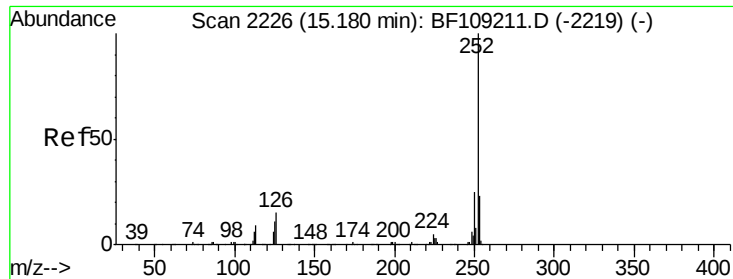
Delta R.T. -0.03 min

Lab File: BF109555.D

Acq: 3 Oct 2018 19:10

Tgt Ion:	252	Resp:	91284
Ion Ratio	Lower	Upper	
252	100		
253	24.5	17.9	26.9
125	15.6	10.2	15.2#

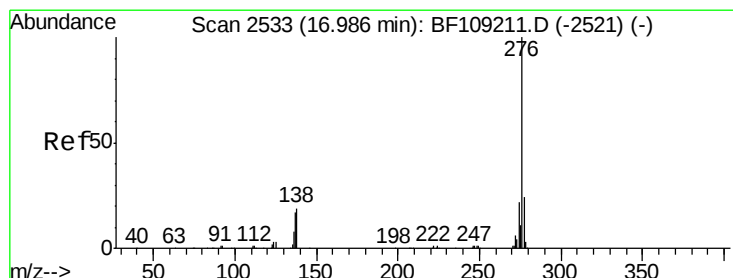
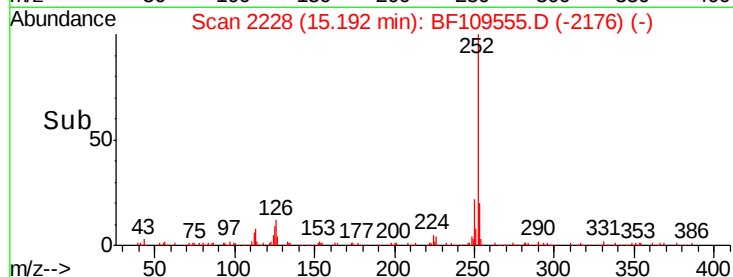
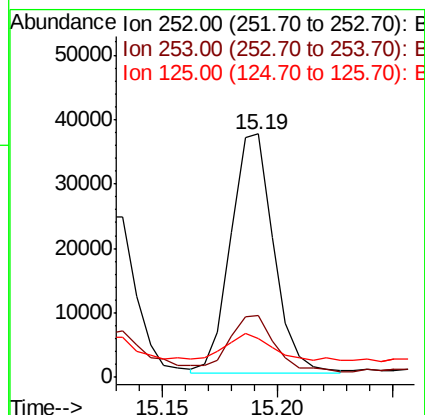
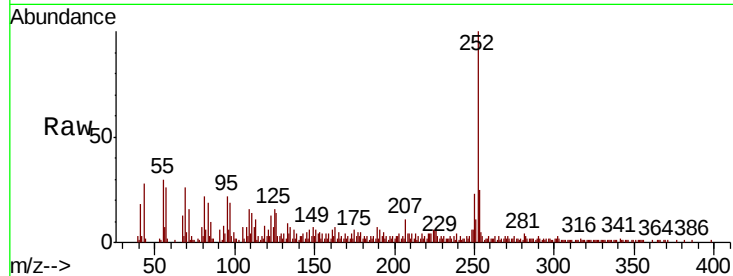




#89
Benzo(a)pyrene
Concen: 6.366 ng
RT: 15.19 min Scan# 2228
Delta R.T. 0.01 min
Lab File: BF109555.D
Acq: 3 Oct 2018 19:10

Instrument :
BNA_F
ClientSampleId :
CL-01-100218-E

Tgt Ion:252 Resp: 47883
Ion Ratio Lower Upper
252 100
253 25.2 17.1 25.7
125 16.0 9.8 14.6#



#91
Benzo(g,h,i)perylene
Concen: 4.021 ng
RT: 17.01 min Scan# 2537
Delta R.T. 0.01 min
Lab File: BF109555.D
Acq: 3 Oct 2018 19:10

Tgt Ion:276 Resp: 24388
Ion Ratio Lower Upper
276 100
277 30.6 17.9 26.9#
138 23.7 21.8 32.8

