

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF100318\
 Data File : BF109553.D
 Acq On : 3 Oct 2018 18:17
 Operator : JU/SJ
 Sample : J5198-03 2X
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Oct 03 19:02:21 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	94823	20.00	ng	0.00
21) Naphthalene-d8	7.99	136	355251	20.00	ng	0.00
38) Acenaphthene-d10	9.73	164	139080	20.00	ng	0.00
63) Phenanthrene-d10	11.21	188	248958	20.00	ng	0.00
75) Chrysene-d12	13.84	240	223831	20.00	ng	0.00
86) Perylene-d12	15.24	264	151712	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.32	112	199769	34.70	ng	0.00
7) Phenol-d6	6.35	99	269212	36.65	ng	-0.01
23) Nitrobenzene-d5	7.26	82	167199	27.78	ng	-0.02
41) 2,4,6-Tribromophenol	10.52	330	52675	38.42	ng	-0.01
44) 2-Fluorobiphenyl	9.06	172	283997	30.80	ng	-0.02
78) Terphenyl-d14	12.79	244	245228	26.89	ng	-0.01

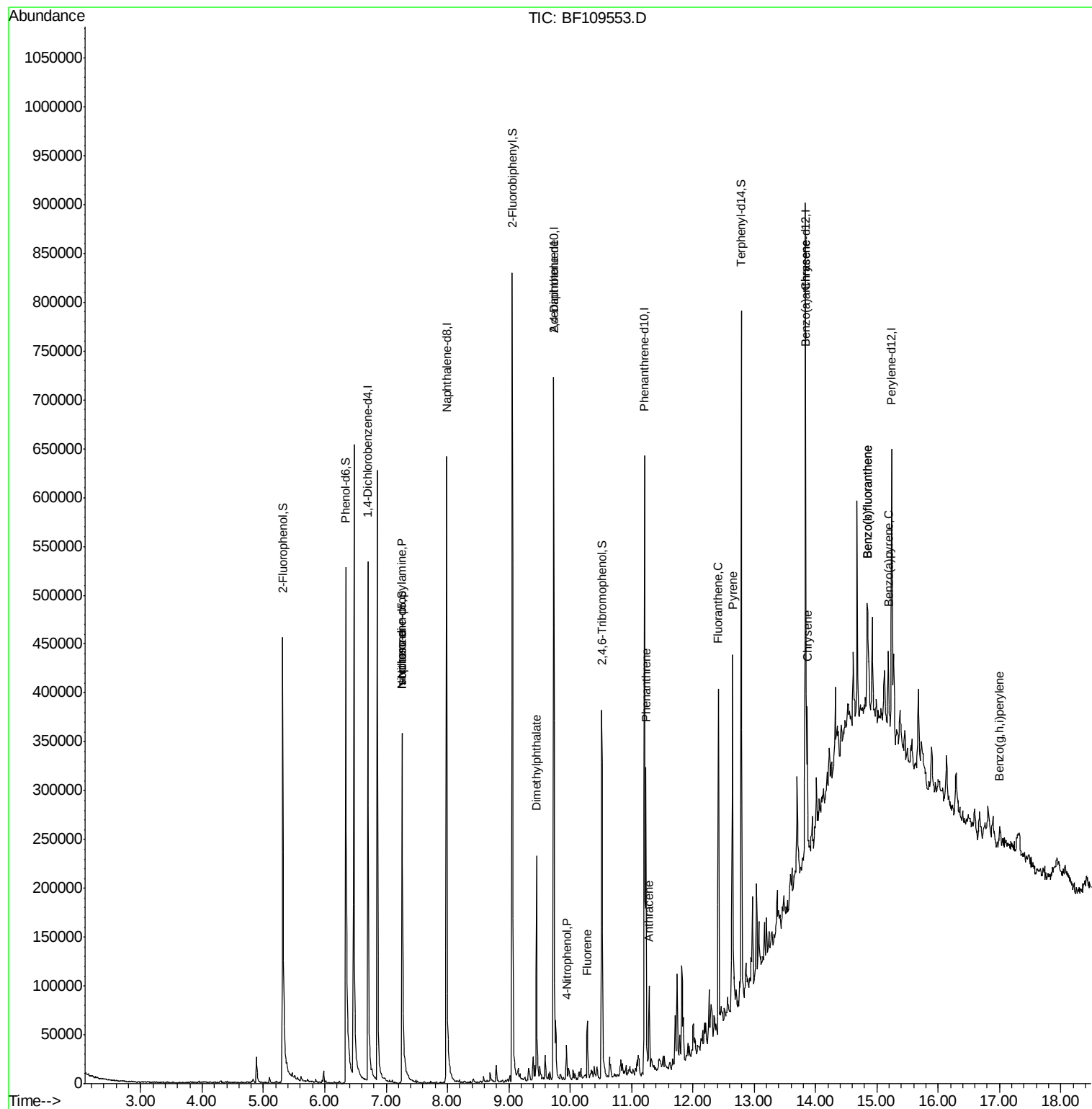
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	7.26	70	22253	4.623	ng	# 77
25) Isophorone	7.26	82	155332	14.334	ng	# 64
49) Dimethylphthalate	9.45	163	93356	9.229	ng	99
55) 4-Nitrophenol	9.94	139	5006	2.864	ng	# 9
56) 2,4-Dinitrotoluene	9.73	165	18412	7.263	ng	# 24
57) Fluorene	10.28	166	20665	2.359	ng	98
70) Phenanthrene	11.23	178	112717	9.068	ng	98
71) Anthracene	11.29	178	40392	3.204	ng	98
74) Fluoranthene	12.42	202	162888	12.262	ng	95
77) Pyrene	12.64	202	151377	9.437	ng	99
80) Benzo(a)anthracene	13.83	228	68452	5.077	ng	97
82) Chrysene	13.86	228	63186	4.729	ng	97
87) Benzo(b)fluoranthene	14.85	252	72064	8.644	ng	# 90
88) Benzo(k)fluoranthene	14.85	252	72064	9.110	ng	# 93
89) Benzo(a)pyrene	15.19	252	37010	4.927	ng	# 91
91) Benzo(g,h,i)perylene	17.00	276	19401	3.203	ng	# 92

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

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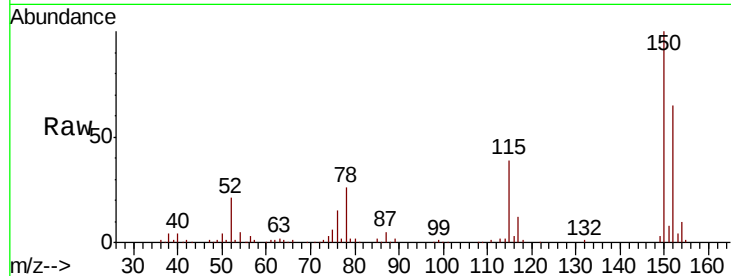


#1

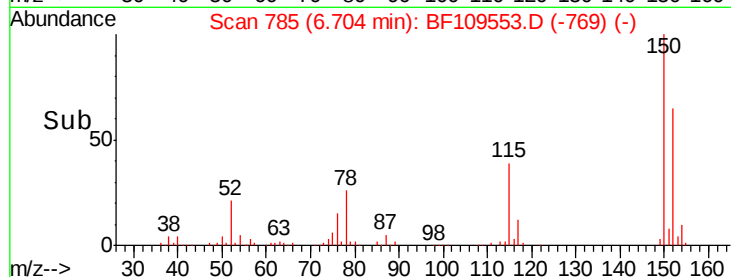
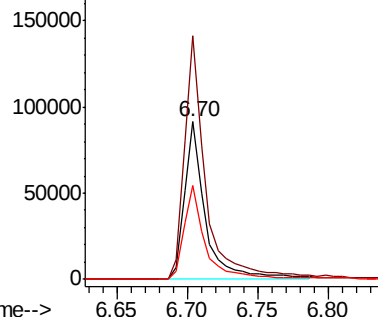
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.70 min Scan# 785
Delta R.T. -0.01 min
Lab File: BF109553.D
Acq: 3 Oct 2018 18:17

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 94823
Ion Ratio Lower Upper
152 100
150 154.3 124.6 186.8
115 59.9 50.1 75.1



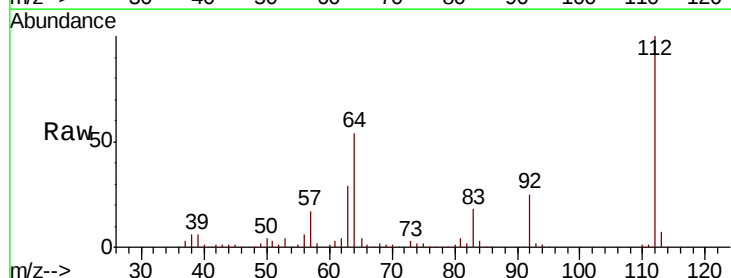
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



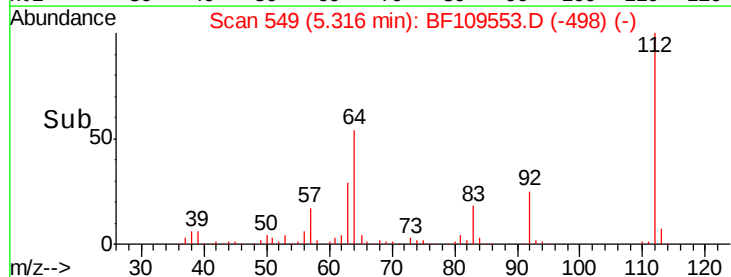
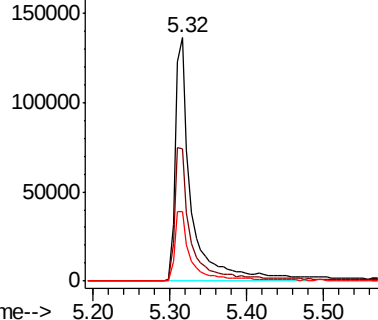
#5

2-Fluorophenol
Concen: 34.700 ng
RT: 5.32 min Scan# 549
Delta R.T. -0.00 min
Lab File: BF109553.D
Acq: 3 Oct 2018 18:17

Tgt Ion:112 Resp: 199769
Ion Ratio Lower Upper
112 100
64 54.3 47.9 71.9
63 28.8 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: 36.646 ng

RT: 6.35 min Scan# 724

Delta R.T. -0.01 min

Lab File: BF109553.D

Acq: 3 Oct 2018 18:17

Instrument :

BNA_F

ClientSampled :

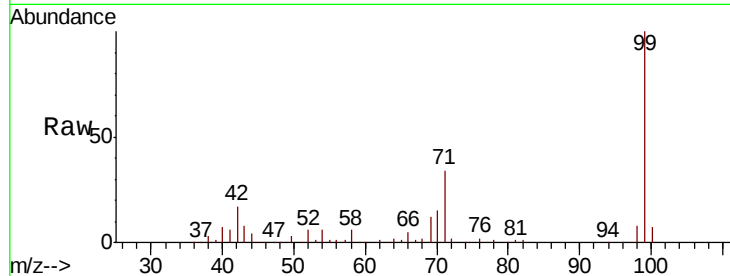
Tot Ion: 99 Resp: 269212

Ion Ratio Lower Upper

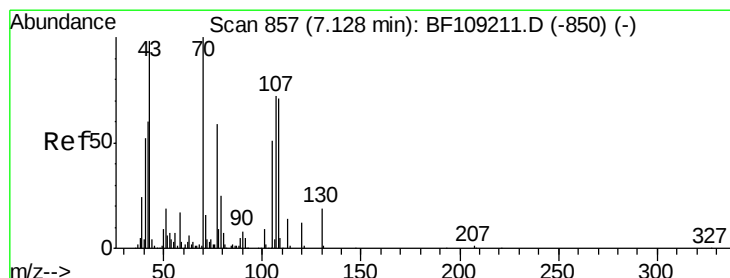
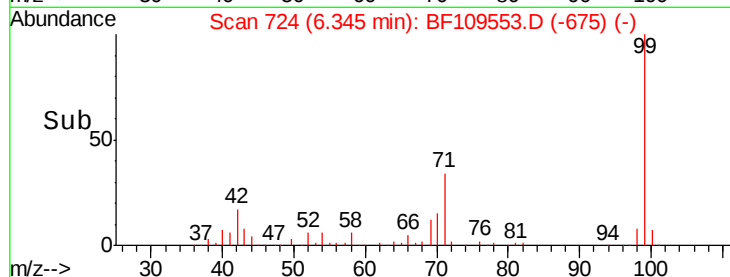
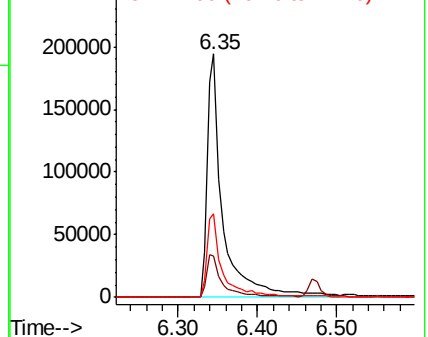
99 100

42 16.9 14.5 21.7

71 34.4 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: 4.623 ng

RT: 7.26 min Scan# 880

Delta R.T. 0.12 min

Lab File: BF109553.D

Acq: 3 Oct 2018 18:17

Tgt Ion: 70 Resp: 22253

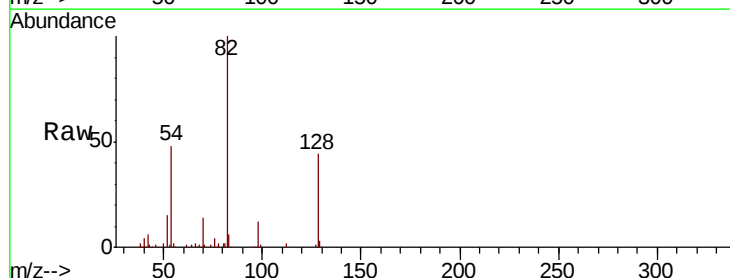
Ion Ratio Lower Upper

70 100

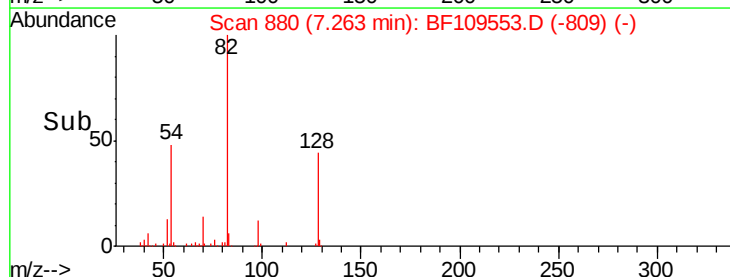
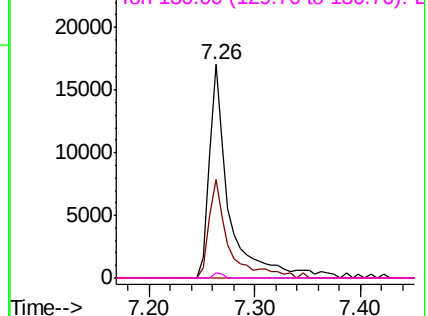
42 46.3 47.5 71.3#

101 0.0 7.4 11.2#

130 2.5 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

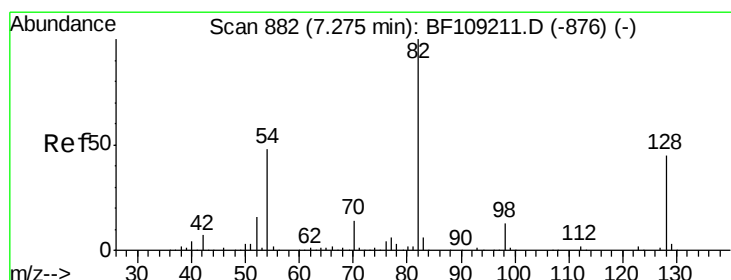
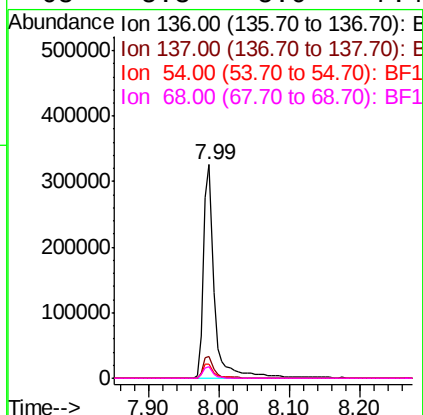
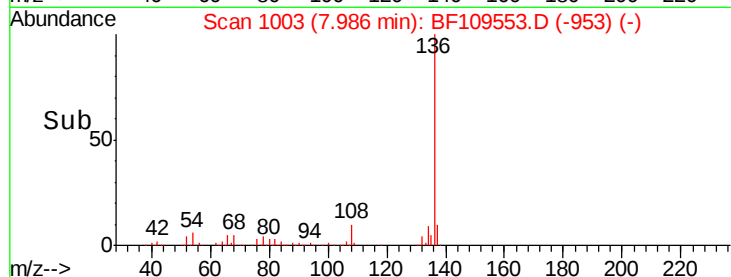
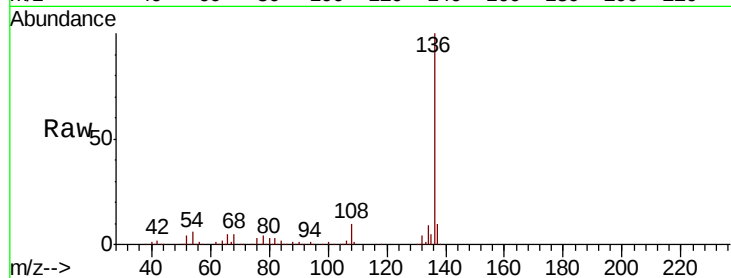




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 7.99 min Scan# 1003
Delta R.T. -0.01 min
Lab File: BF109553.D
Acq: 3 Oct 2018 18:17

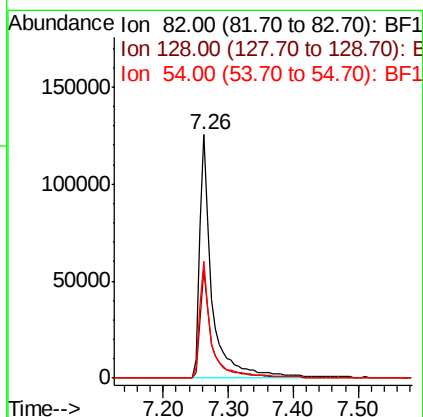
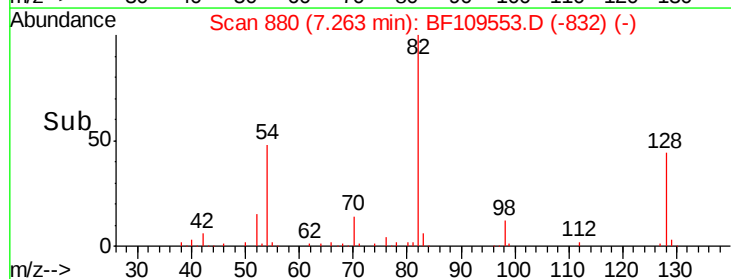
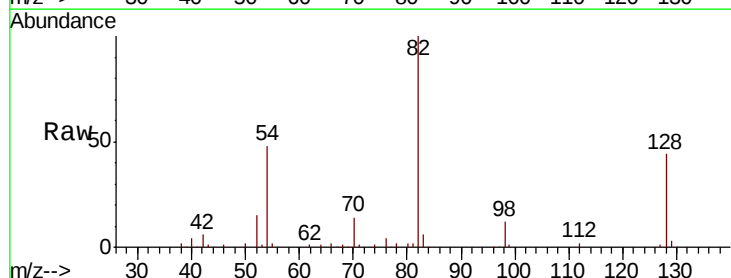
Instrument :
BNA_F
ClientSampled :

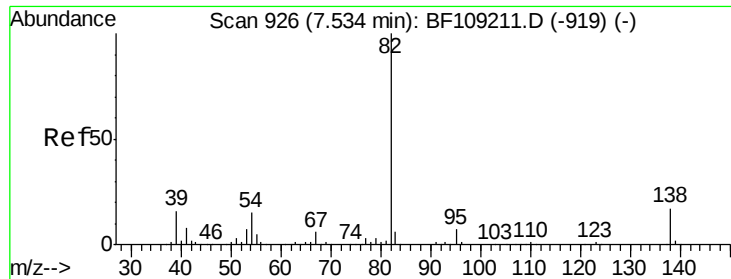
Tot Ion:136	Resp:	355251
Ion Ratio	Lower	Upper
136	100	
137	10.4	8.9 13.3
54	6.4	6.6 9.8#
68	5.3	5.0 7.4



#23
Nitrobenzene-d5
Concen: 27.783 ng
RT: 7.26 min Scan# 880
Delta R.T. -0.02 min
Lab File: BF109553.D
Acq: 3 Oct 2018 18:17

Tgt Ion: 82	Resp:	167199
Ion Ratio	Lower	Upper
82	100	
128	44.2	36.1 54.1
54	48.2	41.4 62.2

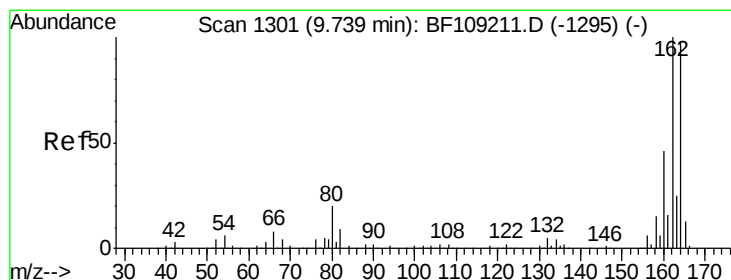
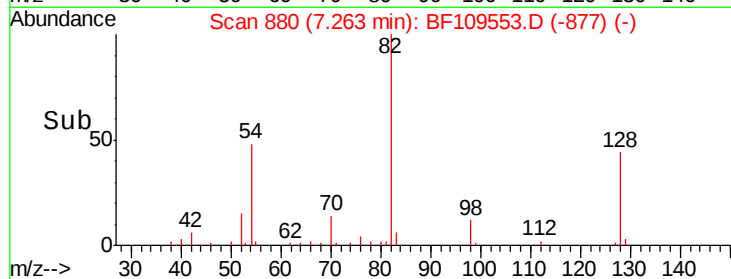
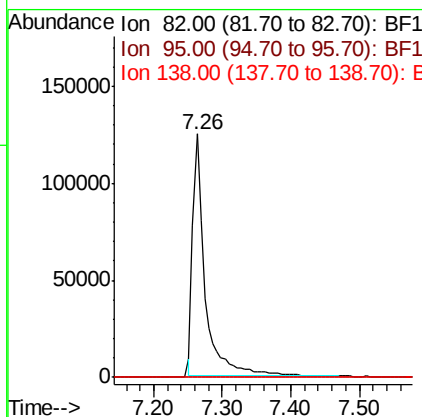
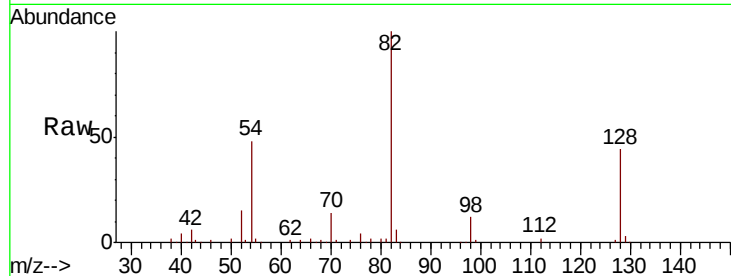




#25
Isophorone
Concen: 14.334 ng
RT: 7.26 min Scan# 880
Delta R.T. -0.28 min
Lab File: BF109553.D
Acq: 3 Oct 2018 18:17

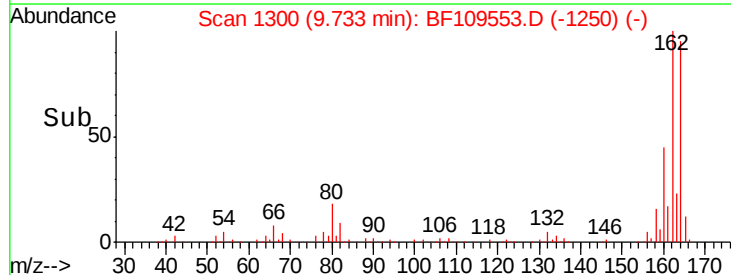
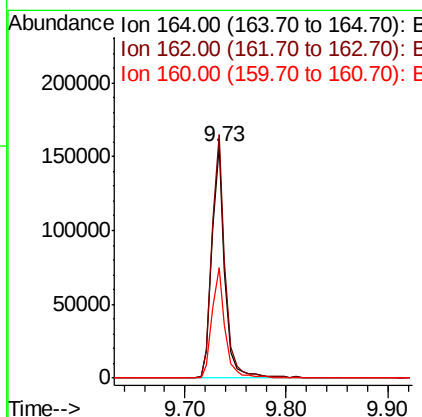
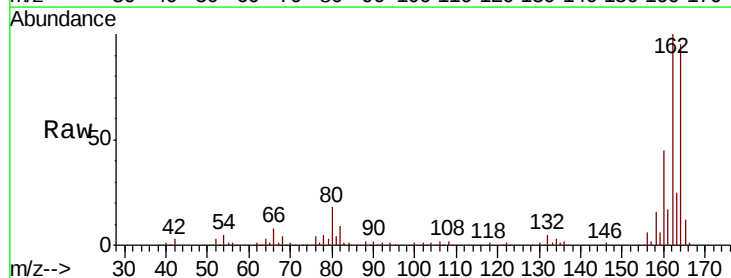
Instrument :
BNA_F
ClientSampleId :

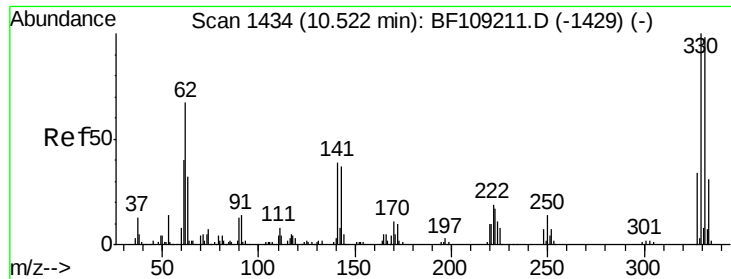
Tot Ion: 82 Resp: 155332
Ion Ratio Lower Upper
82 100
95 0.0 5.2 7.8#
138 0.0 14.9 22.3#



#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.73 min Scan# 1300
Delta R.T. -0.01 min
Lab File: BF109553.D
Acq: 3 Oct 2018 18:17

Tgt Ion:164 Resp: 139080
Ion Ratio Lower Upper
164 100
162 105.2 86.1 129.1
160 47.6 38.3 57.5

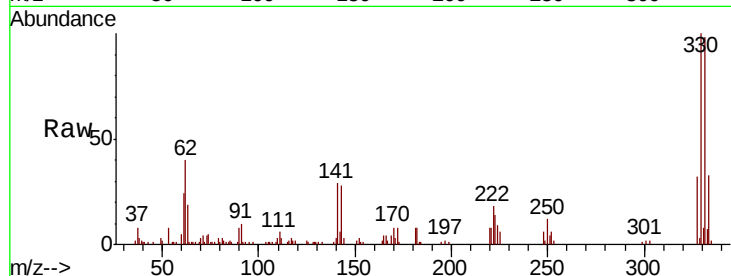




#41
 2,4,6-Tribromophenol
 Concen: 38.420 ng
 RT: 10.52 min Scan# 1434
 Delta R.T. -0.01 min
 Lab File: BF109553.D
 Acq: 3 Oct 2018 18:17

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	95.9	77.0	115.6
141	35.0	29.9	44.9

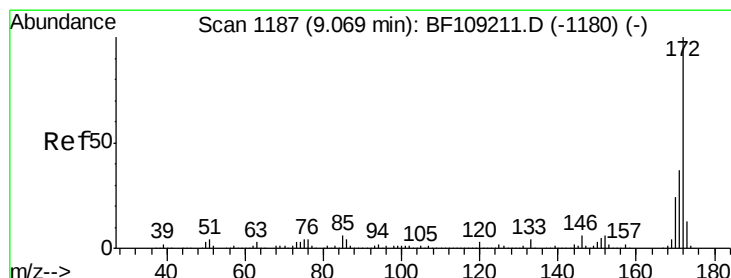
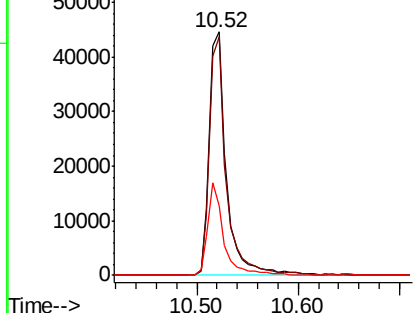
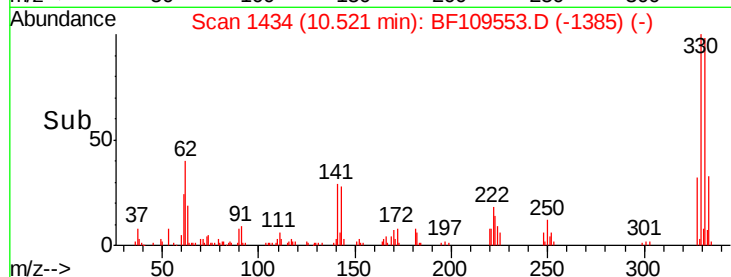


Abundance

Ion 329.80 (329.50 to 330.50): E

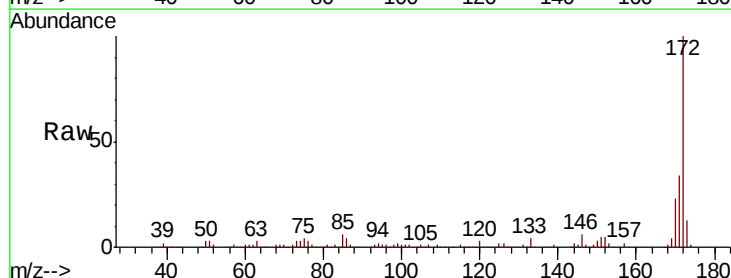
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#44
 2-Fluorobiphenyl
 Concen: 30.797 ng
 RT: 9.06 min Scan# 1185
 Delta R.T. -0.02 min
 Lab File: BF109553.D
 Acq: 3 Oct 2018 18:17

Tgt Ion	Ratio	Lower	Upper
172	100		
171	34.5	29.7	44.5
170	23.4	19.6	29.4

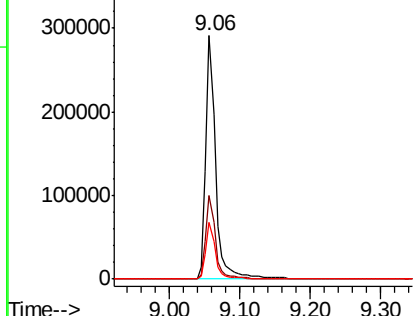
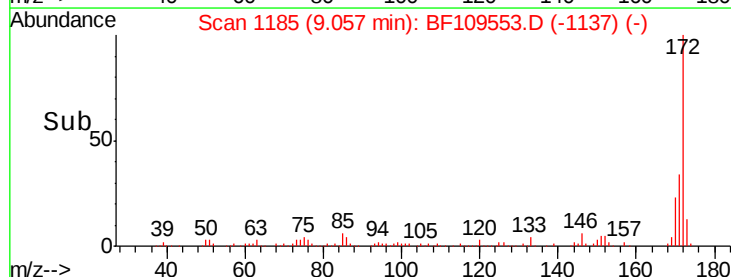


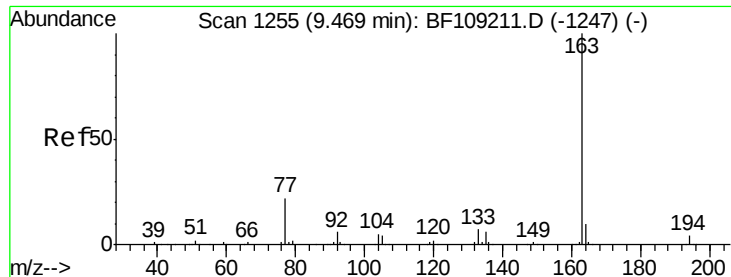
Abundance

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

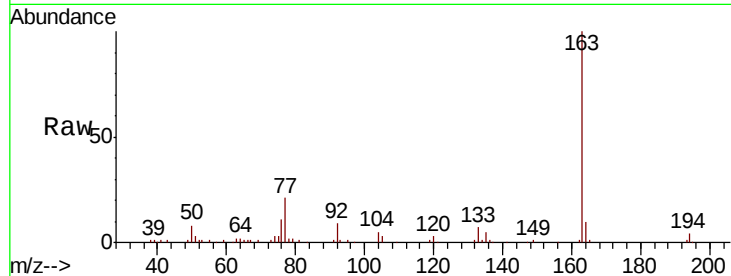




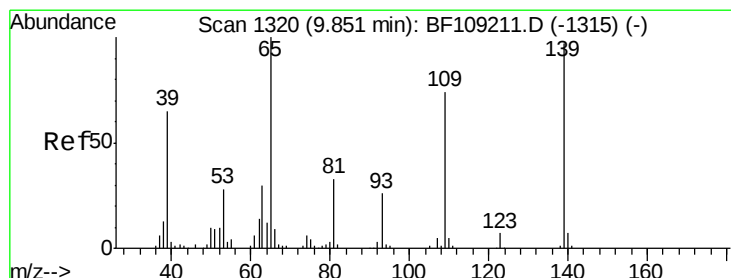
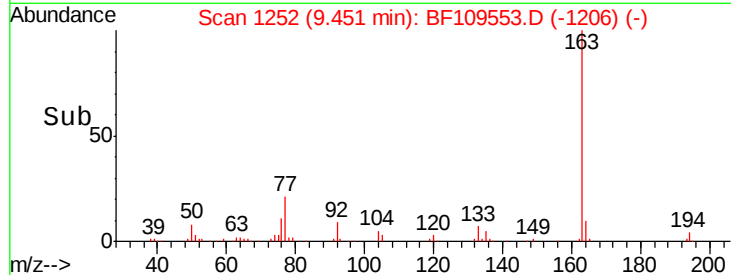
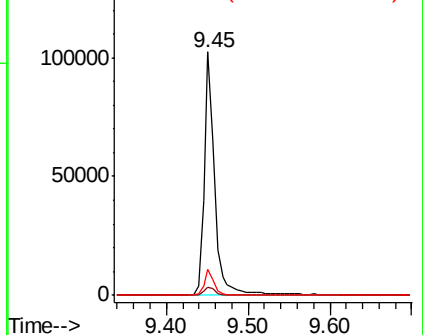
#49
Dimethylphthalate
Concen: 9.229 ng
RT: 9.45 min Scan# 1252
Delta R.T. -0.03 min
Lab File: BF109553.D
Acq: 3 Oct 2018 18:17

Instrument :
BNA_F
ClientSampled :

Tot Ion:163 Resp: 93356
Ion Ratio Lower Upper
163 100
194 3.5 2.7 4.1
164 10.5 8.2 12.2

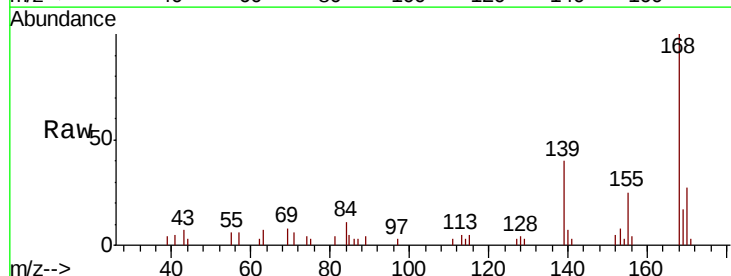


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

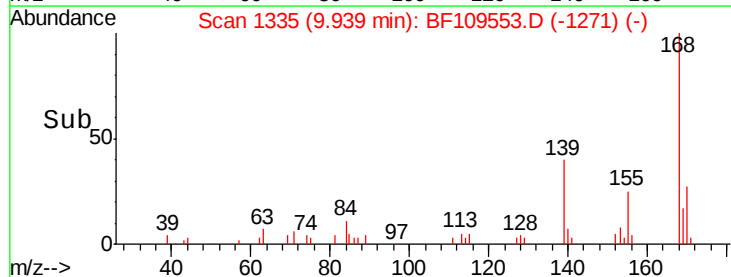
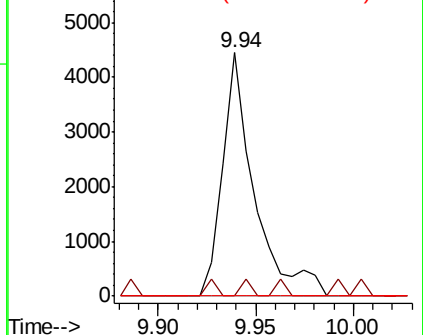


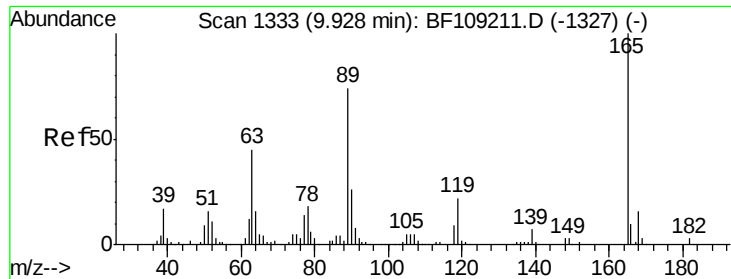
#55
4-Nitrophenol
Concen: 2.864 ng
RT: 9.94 min Scan# 1335
Delta R.T. 0.08 min
Lab File: BF109553.D
Acq: 3 Oct 2018 18:17

Tgt Ion:139 Resp: 5006
Ion Ratio Lower Upper
139 100
109 0.0 48.4 88.4#
65 0.0 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

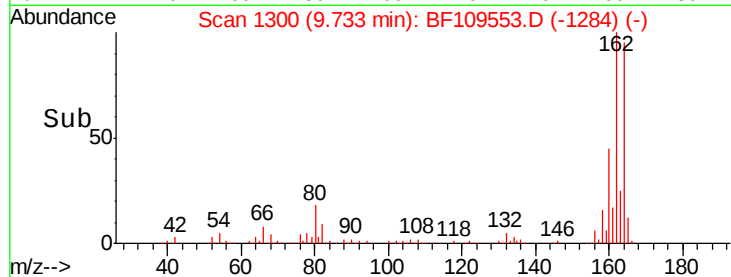
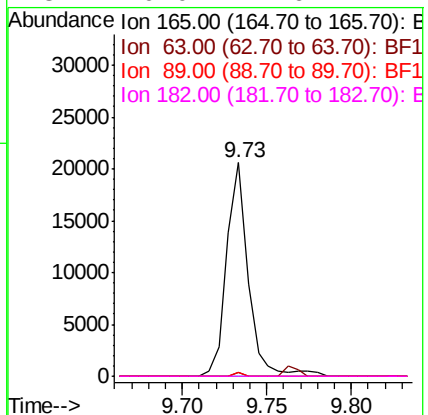
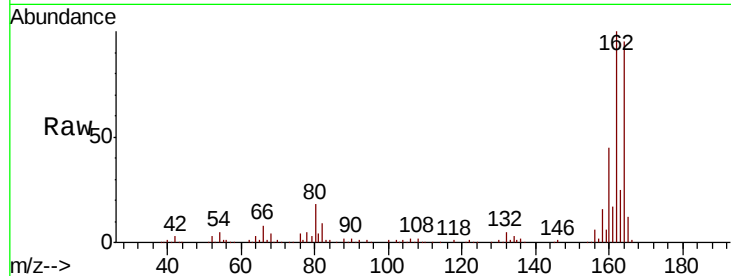




#56
2,4-Dinitrotoluene
Concen: 7.263 ng
RT: 9.73 min Scan# 1300
Delta R.T. -0.21 min
Lab File: BF109553.D
Acq: 3 Oct 2018 18:17

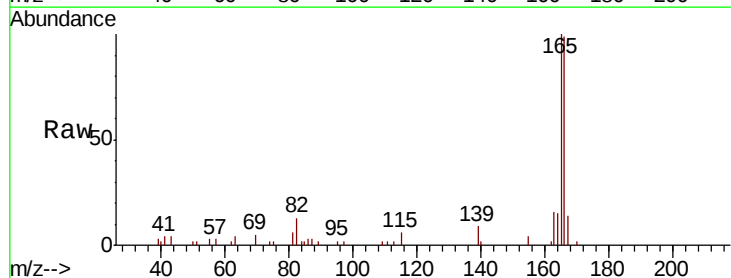
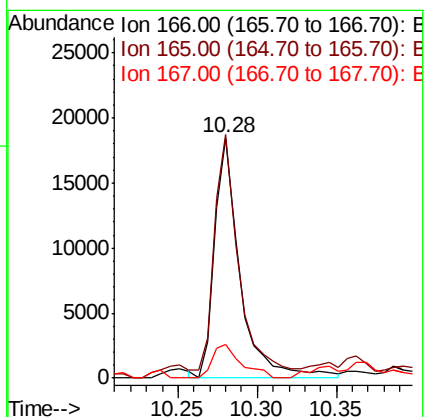
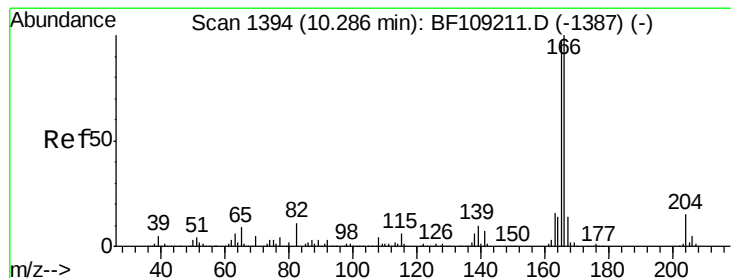
Instrument :
BNA_F
ClientSampleId :

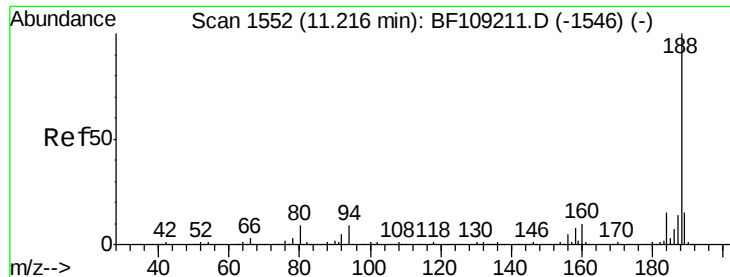
Tot Ion:165	Resp:	18412
Ion Ratio	Lower	Upper
165	100	
63	1.6	36.4 54.6#
89	1.7	57.8 86.6#
182	0.0	1.6 2.4#



#57
Fluorene
Concen: 2.359 ng
RT: 10.28 min Scan# 1393
Delta R.T. -0.01 min
Lab File: BF109553.D
Acq: 3 Oct 2018 18:17

Tgt Ion:166	Resp:	20665
Ion Ratio	Lower	Upper
166	100	
165	101.5	79.8 119.8
167	14.1	10.6 16.0

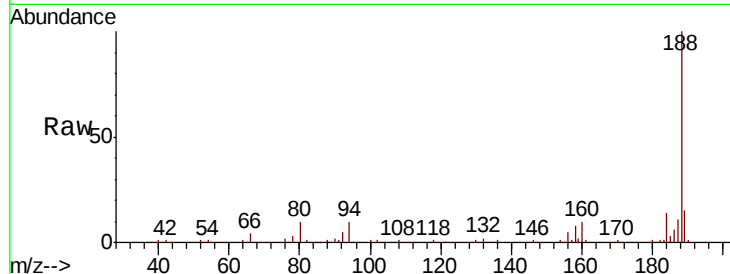




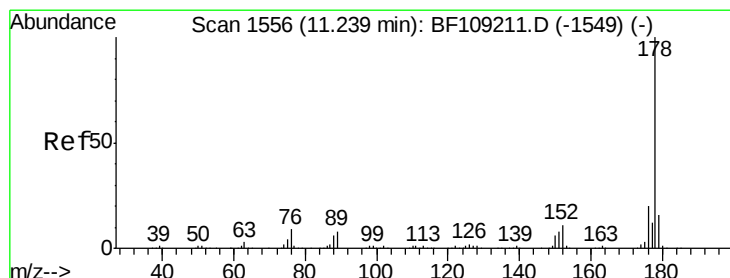
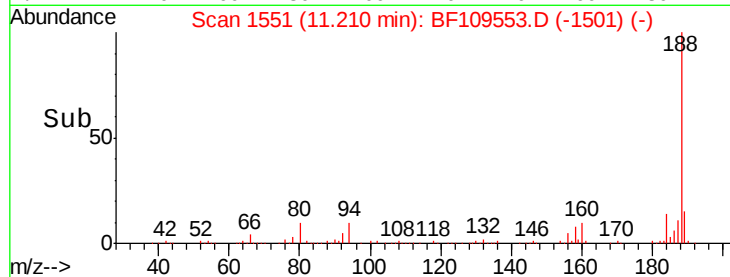
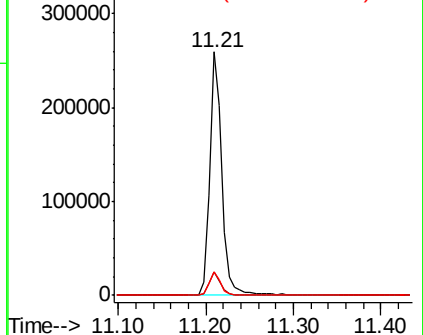
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.21 min Scan# 1551
Delta R.T. -0.01 min
Lab File: BF109553.D
Acq: 3 Oct 2018 18:17

Instrument :
BNA_F
ClientSampleId :

Tot Ion:188 Resp: 248958
Ion Ratio Lower Upper
188 100
94 9.7 8.5 12.7
80 9.9 9.2 13.8

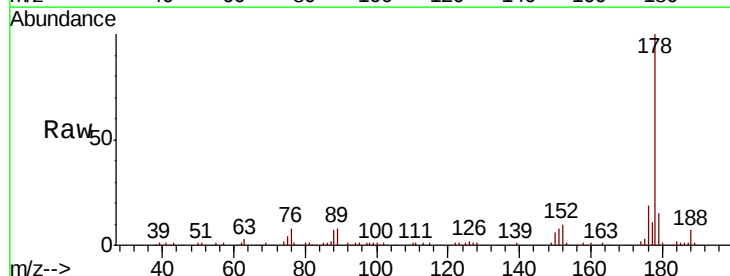


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF1
Ion 80.00 (79.70 to 80.70): BF1

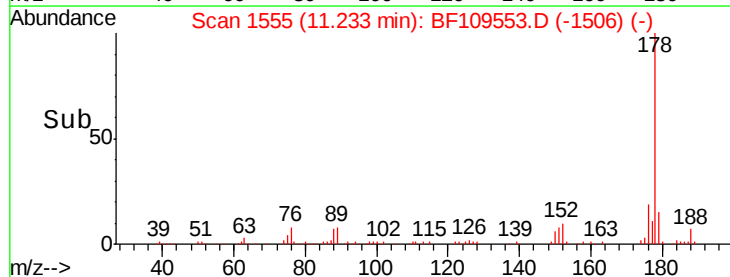
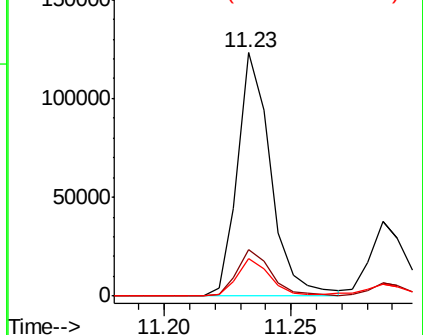


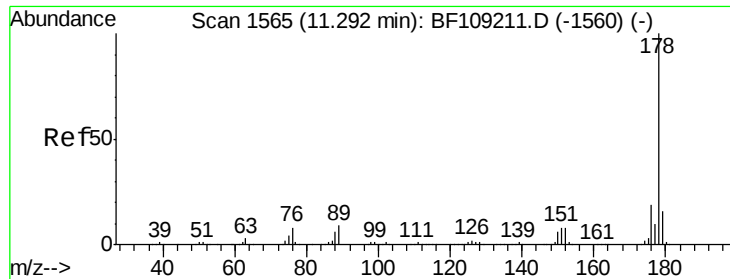
#70
Phenanthrene
Concen: 9.068 ng
RT: 11.23 min Scan# 1555
Delta R.T. -0.01 min
Lab File: BF109553.D
Acq: 3 Oct 2018 18:17

Tgt Ion:178 Resp: 112717
Ion Ratio Lower Upper
178 100
176 19.1 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

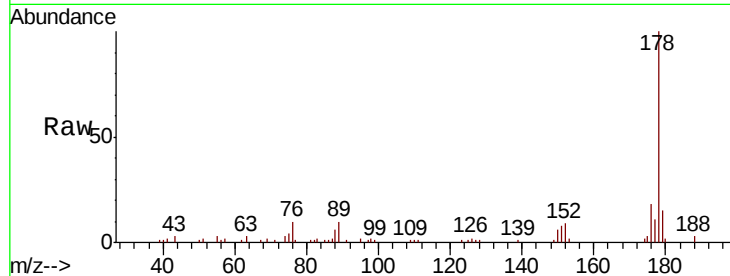




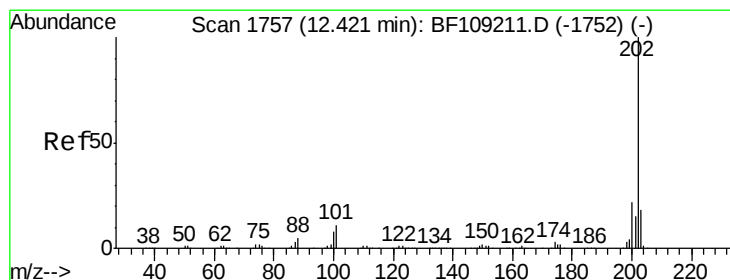
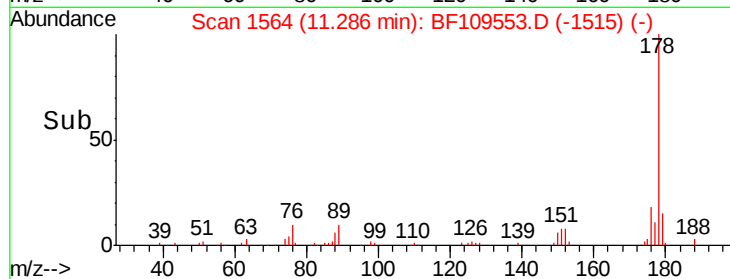
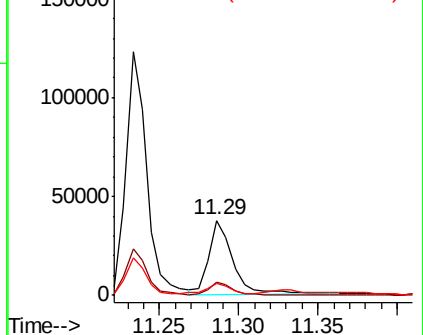
#71
 Anthracene
 Concen: 3.204 ng
 RT: 11.29 min Scan# 1564
 Delta R.T. -0.01 min
 Lab File: BF109553.D
 Acq: 3 Oct 2018 18:17

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:178 Resp: 40392
 Ion Ratio Lower Upper
 178 100
 176 18.4 15.4 23.2
 179 15.4 12.6 19.0

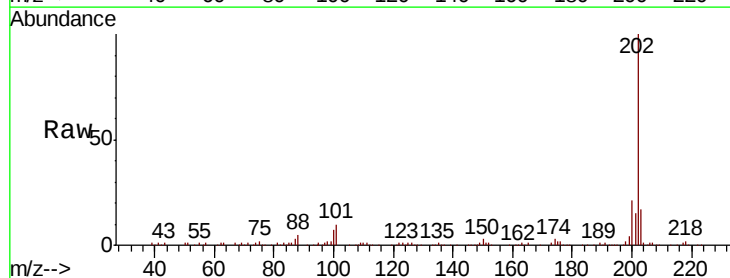


Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E

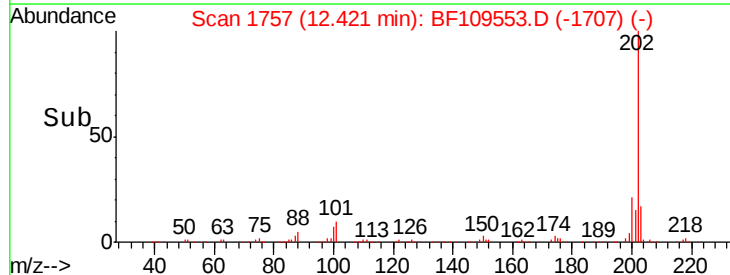
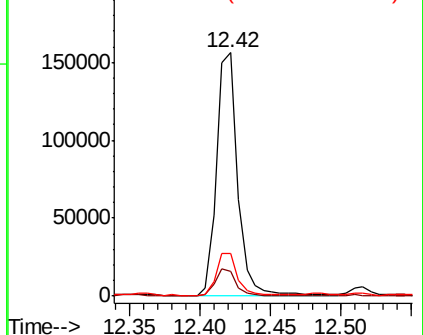


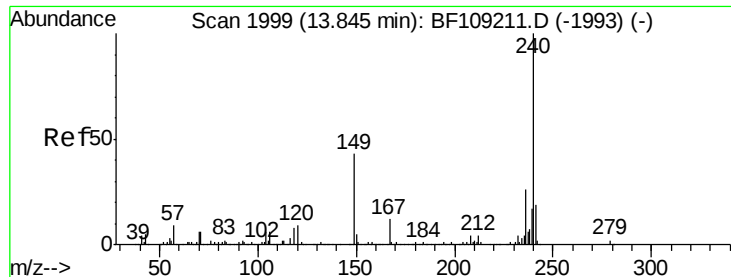
#74
 Fluoranthene
 Concen: 12.262 ng
 RT: 12.42 min Scan# 1757
 Delta R.T. -0.01 min
 Lab File: BF109553.D
 Acq: 3 Oct 2018 18:17

Tgt Ion:202 Resp: 162888
 Ion Ratio Lower Upper
 202 100
 101 10.1 0.0 34.1
 203 17.5 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: BF109553.D

Acq: 3 Oct 2018 18:17

Instrument :

BNA_F

ClientSampleId :

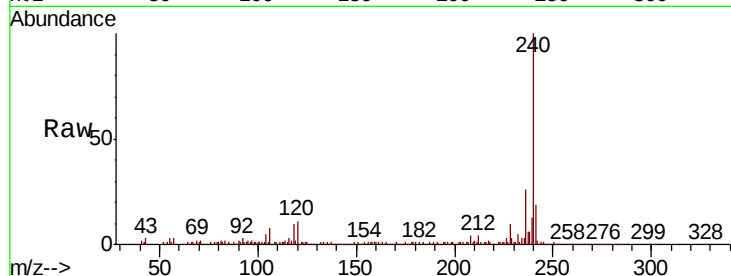
Tot Ion:240 Resp: 223831

Ion Ratio Lower Upper

240 100

120 11.0 9.5 14.3

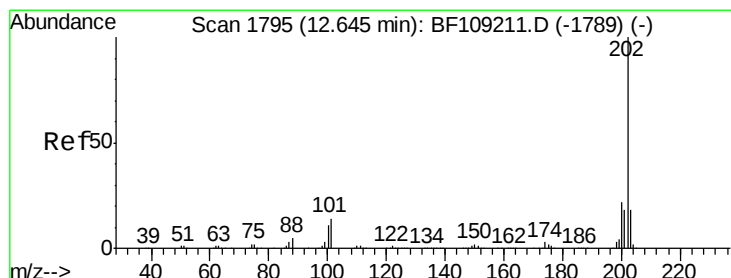
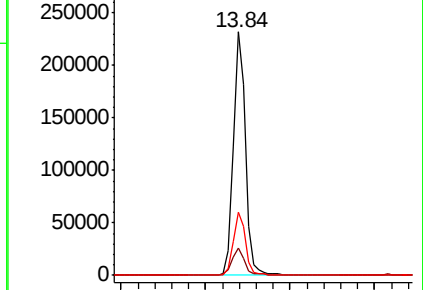
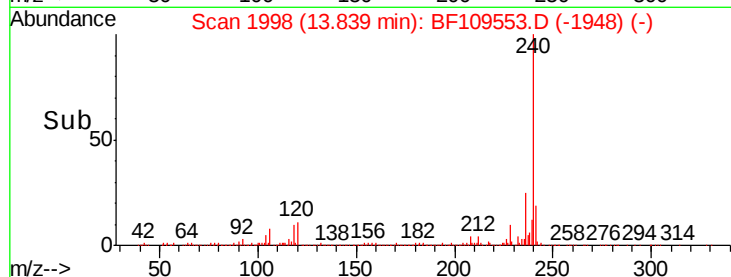
236 25.7 20.7 31.1



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: 9.437 ng

RT: 12.64 min Scan# 1795

Delta R.T. -0.01 min

Lab File: BF109553.D

Acq: 3 Oct 2018 18:17

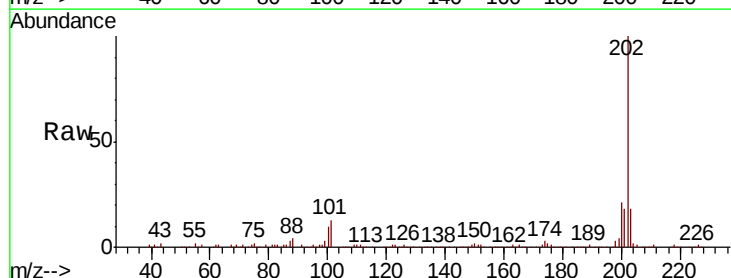
Tgt Ion:202 Resp: 151377

Ion Ratio Lower Upper

202 100

200 21.3 17.4 26.2

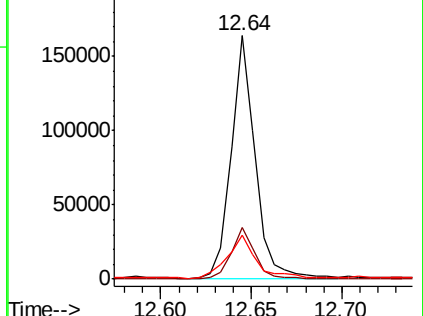
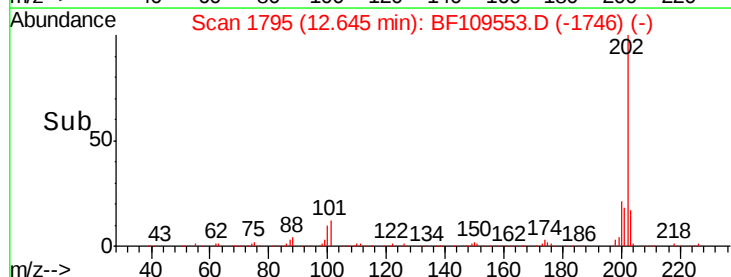
203 18.0 14.3 21.5

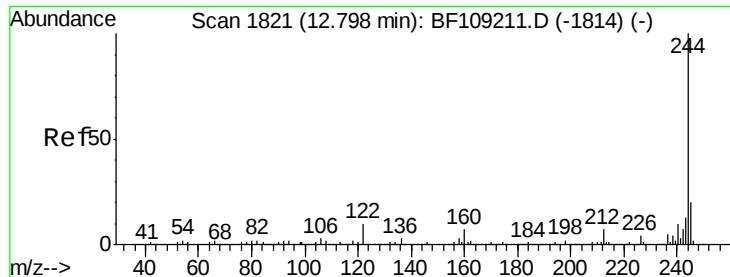


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

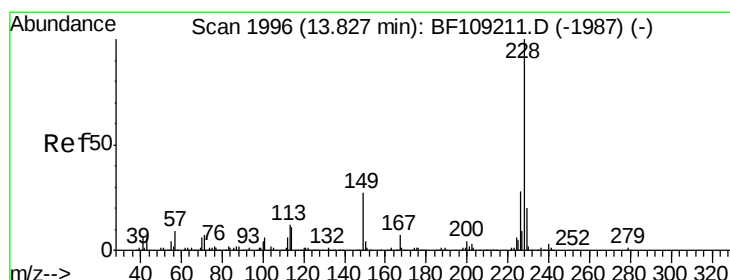
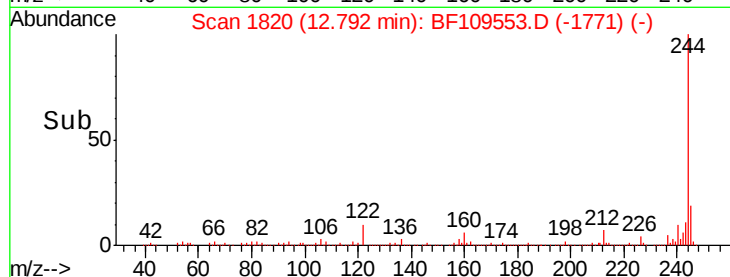
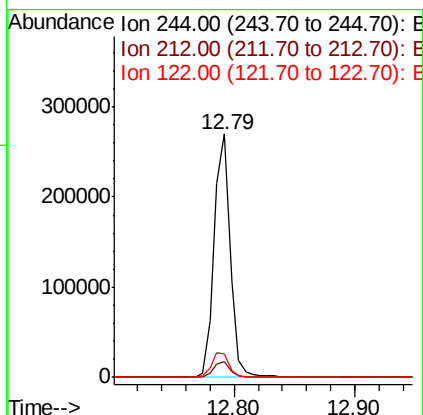
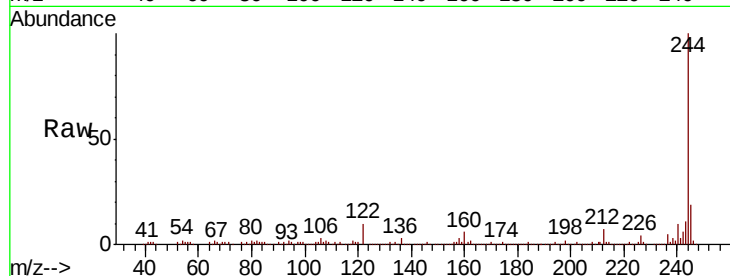




#78
 Terphenyl-d14
 Concen: 26.888 ng
 RT: 12.79 min Scan# 1820
 Delta R.T. -0.01 min
 Lab File: BF109553.D
 Acq: 3 Oct 2018 18:17

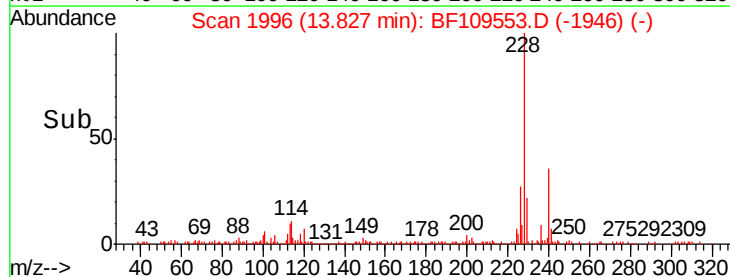
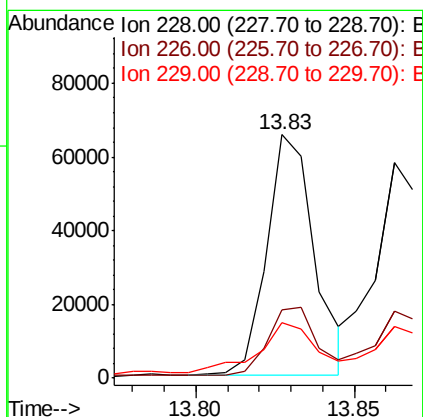
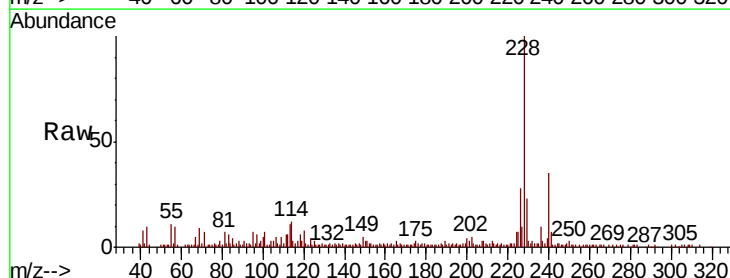
Instrument :
 BNA_F
 ClientSampleId :

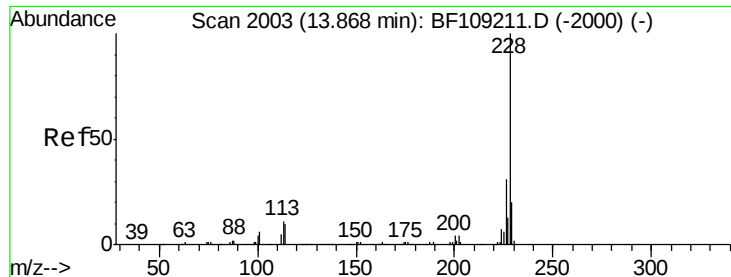
Tot Ion:244 Resp: 245228
 Ion Ratio Lower Upper
 244 100
 212 6.7 5.4 8.0
 122 9.8 11.0 16.4#



#80
 Benzo(a)anthracene
 Concen: 5.077 ng
 RT: 13.83 min Scan# 1996
 Delta R.T. -0.01 min
 Lab File: BF109553.D
 Acq: 3 Oct 2018 18:17

Tgt Ion:228 Resp: 68452
 Ion Ratio Lower Upper
 228 100
 226 28.1 22.6 33.8
 229 22.6 15.8 23.6





#82

Chrysene

Concen: 4.729 ng

RT: 13.86 min Scan# 2002

Delta R.T. -0.01 min

Lab File: BF109553.D

Acq: 3 Oct 2018 18:17

Instrument :

BNA_F

ClientSampleId :

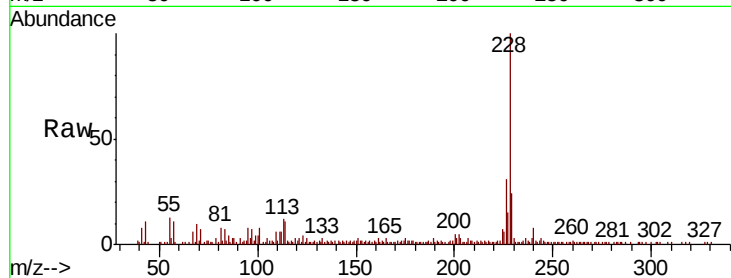
Tot Ion:228 Resp: 63186

Ion Ratio Lower Upper

228 100

226 31.2 25.0 37.6

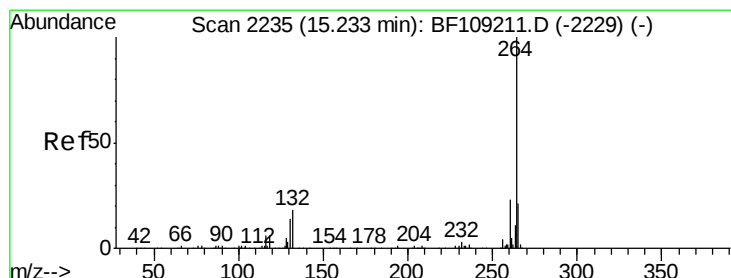
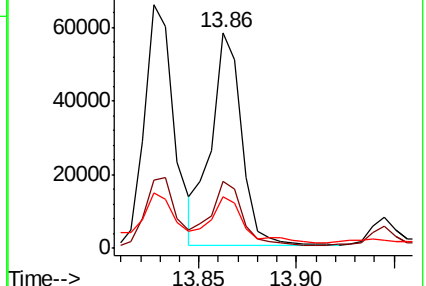
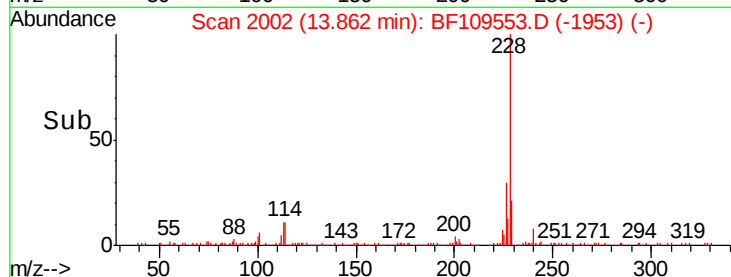
229 23.7 16.2 24.4



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



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.24 min Scan# 2237

Delta R.T. 0.01 min

Lab File: BF109553.D

Acq: 3 Oct 2018 18:17

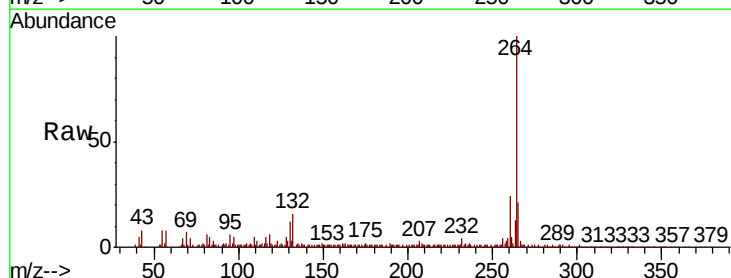
Tgt Ion:264 Resp: 151712

Ion Ratio Lower Upper

264 100

260 24.3 19.2 28.8

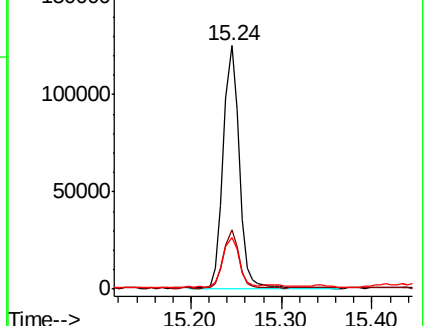
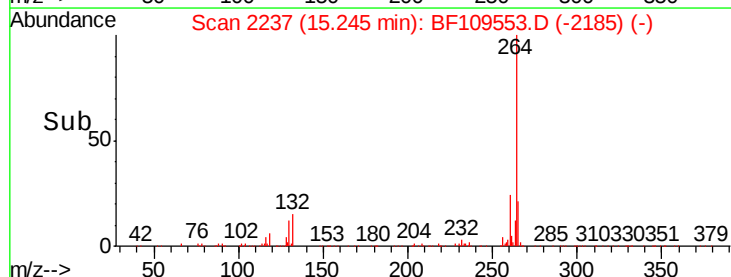
265 21.5 17.5 26.3

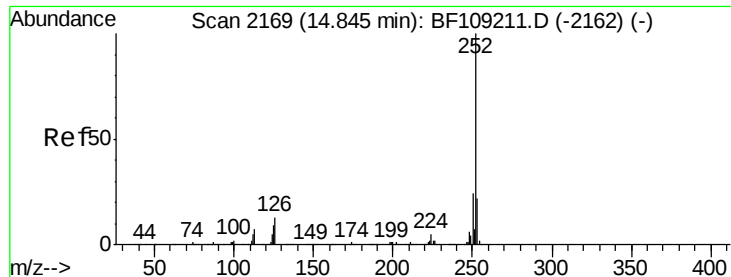


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

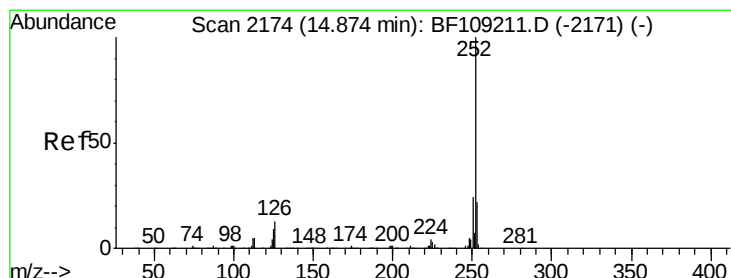
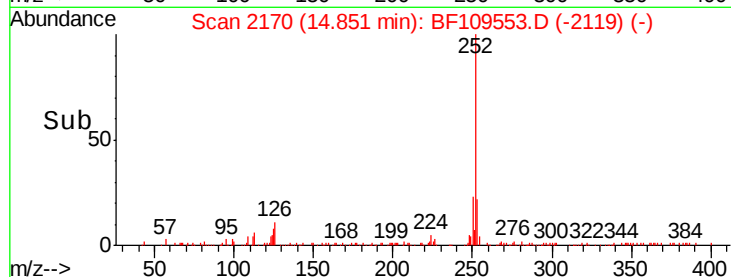
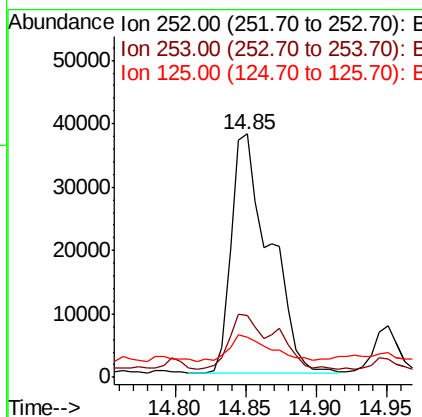
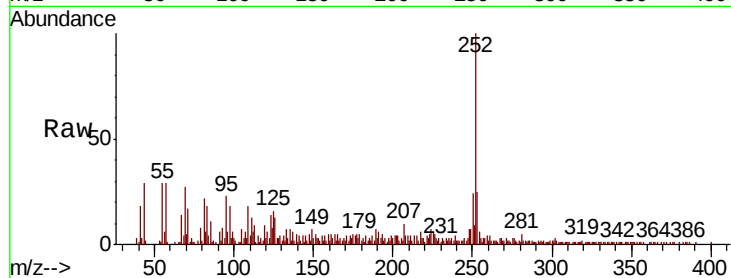




#87
Benzo(b)fluoranthene
Concen: 8.644 ng
RT: 14.85 min Scan# 2170
Delta R.T. -0.00 min
Lab File: BF109553.D
Acq: 3 Oct 2018 18:17

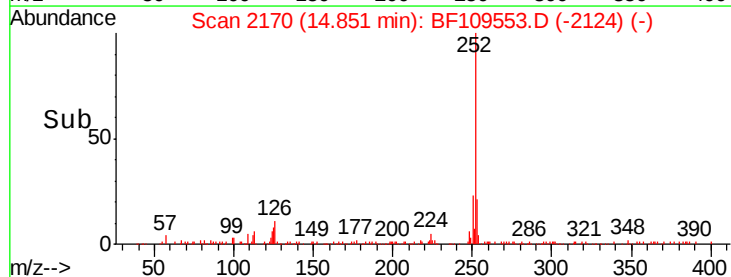
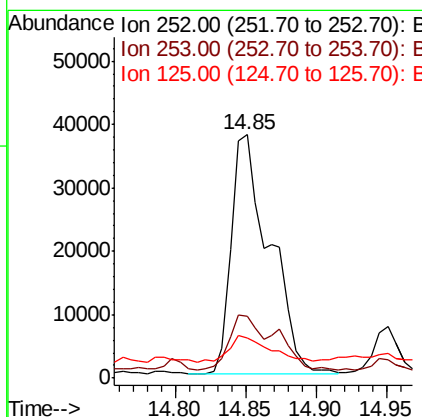
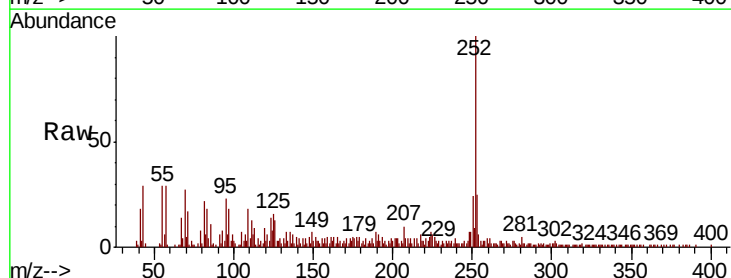
Instrument :
BNA_F
ClientSampleId :

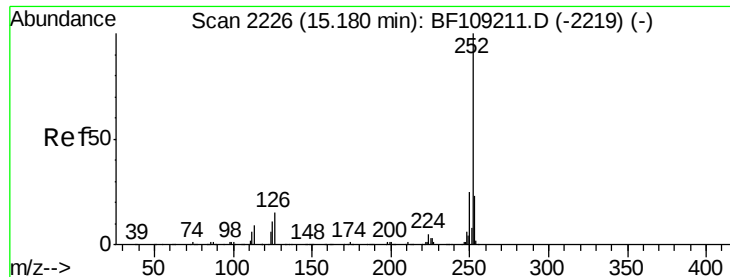
Tot Ion:252 Resp: 72064
Ion Ratio Lower Upper
252 100
253 25.2 17.0 25.6
125 16.3 9.0 13.6#



#88
Benzo(k)fluoranthene
Concen: 9.110 ng
RT: 14.85 min Scan# 2170
Delta R.T. -0.03 min
Lab File: BF109553.D
Acq: 3 Oct 2018 18:17

Tgt Ion:252 Resp: 72064
Ion Ratio Lower Upper
252 100
253 25.2 17.9 26.9
125 16.3 10.2 15.2#





#89

Benzo(a)pyrene

Concen: 4.927 ng

RT: 15.19 min Scan# 2227

Delta R.T. -0.00 min

Lab File: BF109553.D

Acq: 3 Oct 2018 18:17

Instrument :

BNA_F

ClientSampleId :

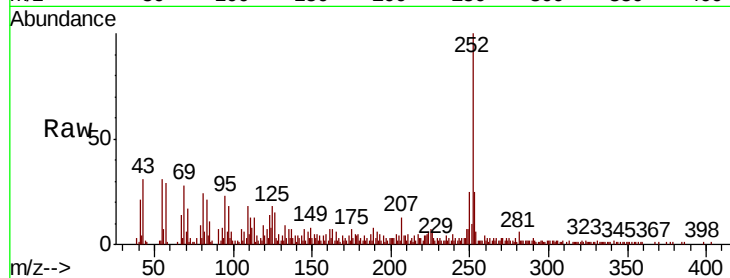
Tot Ion:252 Resp: 37010

Ion Ratio Lower Upper

252 100

253 24.6 17.1 25.7

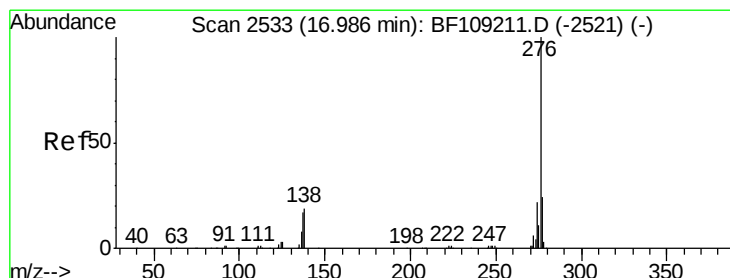
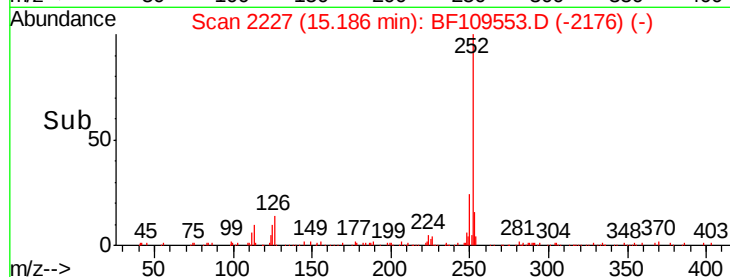
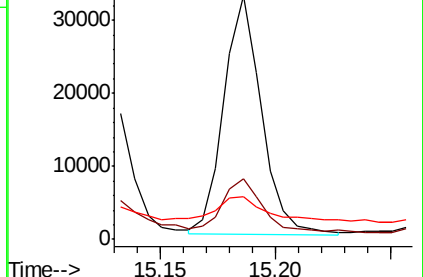
125 17.6 9.8 14.6#



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(g,h,i)perylene

Concen: 3.203 ng

RT: 17.00 min Scan# 2536

Delta R.T. 0.01 min

Lab File: BF109553.D

Acq: 3 Oct 2018 18:17

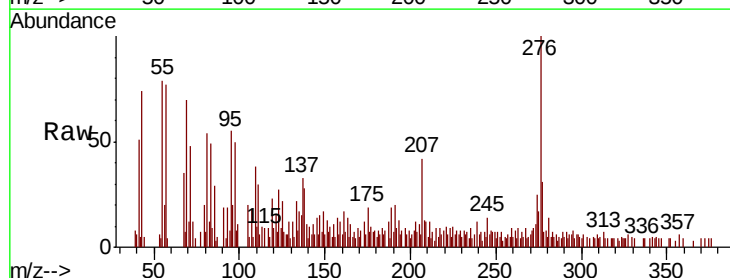
Tgt Ion:276 Resp: 19401

Ion Ratio Lower Upper

276 100

277 30.6 17.9 26.9#

138 27.6 21.8 32.8



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

