

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF100318\
 Data File : BF109551.D
 Acq On : 3 Oct 2018 17:25
 Operator : JU/SJ
 Sample : J5194-05 2X
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Oct 03 19:01:55 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

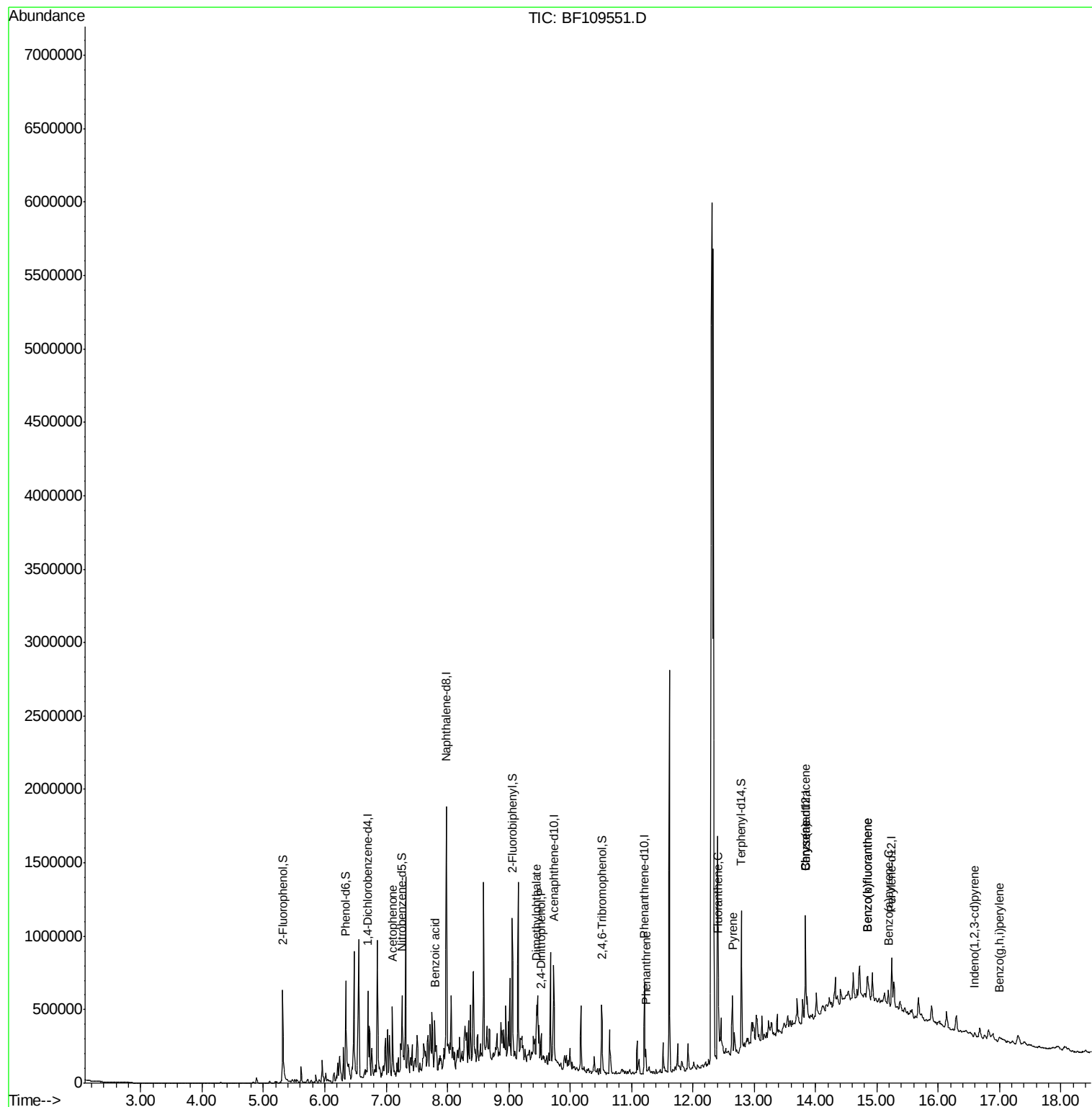
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.70	152	91085	20.00	ng	0.00
21) Naphthalene-d8	7.99	136	300040	20.00	ng	0.00
38) Acenaphthene-d10	9.73	164	127747	20.00	ng	0.00
63) Phenanthrene-d10	11.21	188	231018	20.00	ng	0.00
75) Chrysene-d12	13.84	240	228363	20.00	ng	0.00
86) Perylene-d12	15.24	264	165690	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.32	112	248651	44.96	ng	0.00
7) Phenol-d6	6.35	99	327781	46.45	ng	-0.01
23) Nitrobenzene-d5	7.26	82	194609	38.29	ng	-0.02
41) 2,4,6-Tribromophenol	10.52	330	61352	48.72	ng	-0.01
44) 2-Fluorobiphenyl	9.06	172	317376	37.47	ng	-0.02
78) Terphenyl-d14	12.79	244	303973	32.67	ng	-0.01
Target Compounds						
22) Acetophenone	7.10	105	47045	6.782	ng	# 38
32) Benzoic acid	7.80	122	112	6.832	ng	# 1
49) Dimethylphthalate	9.45	163	90361	9.725	ng	# 99
53) 2,4-Dinitrophenol	9.53	184	261	8.859	ng	# 87
70) Phenanthrene	11.23	178	54841	4.754	ng	98
74) Fluoranthene	12.42	202	148876	12.077	ng	95
77) Pyrene	12.64	202	142958	8.735	ng	99
80) Benzo(a)anthracene	13.83	228	79701	5.794	ng	98
82) Chrysene	13.83	228	79701	5.846	ng	96
85) Indeno(1,2,3-cd)pyrene	16.60	276	24572	2.224	ng	# 89
87) Benzo(b)fluoranthene	14.85	252	93712	10.293	ng	# 83
88) Benzo(k)fluoranthene	14.85	252	93712	10.847	ng	# 86
89) Benzo(a)pyrene	15.19	252	45575	5.555	ng	# 87
91) Benzo(a,h,i)perylene	17.00	276	23703	3.583	ng	# 89

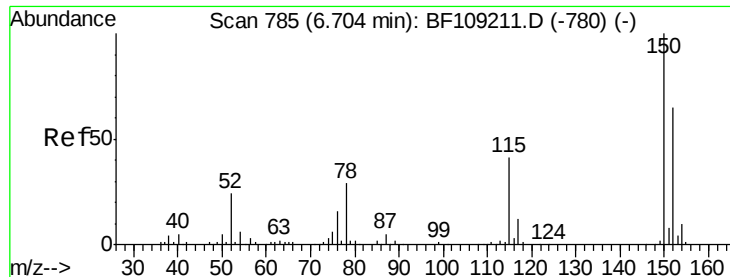
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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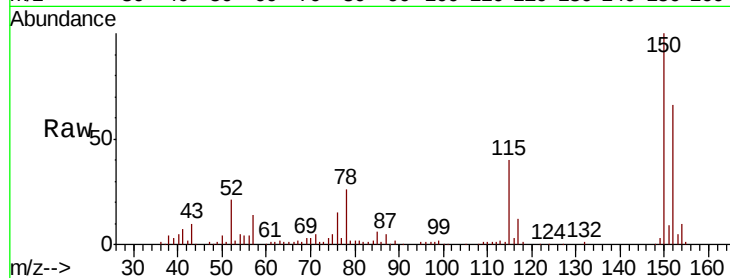


#1

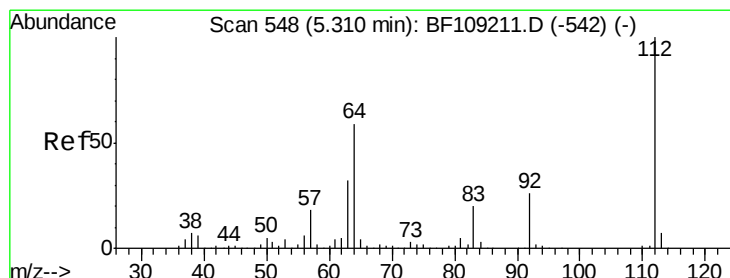
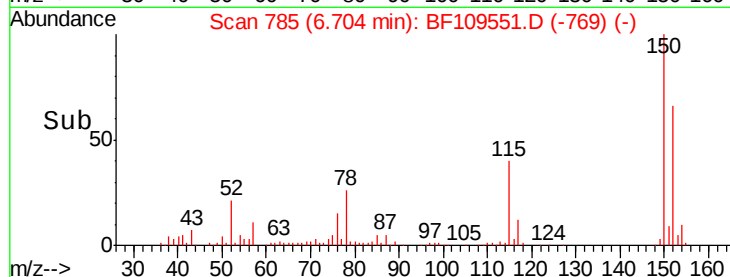
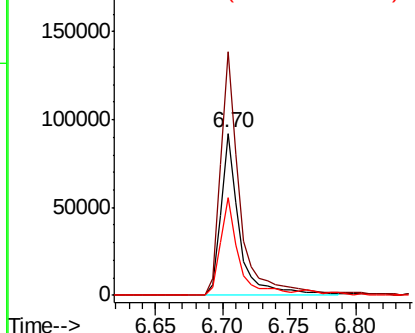
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.70 min Scan# 785
Delta R.T. -0.01 min
Lab File: BF109551.D
Acq: 3 Oct 2018 17:25

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 91085
Ion Ratio Lower Upper
152 100
150 150.5 124.6 186.8
115 60.1 50.1 75.1



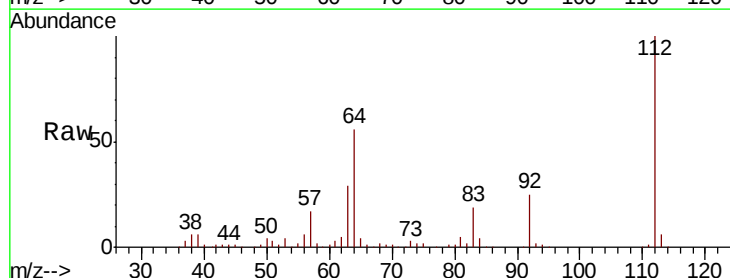
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



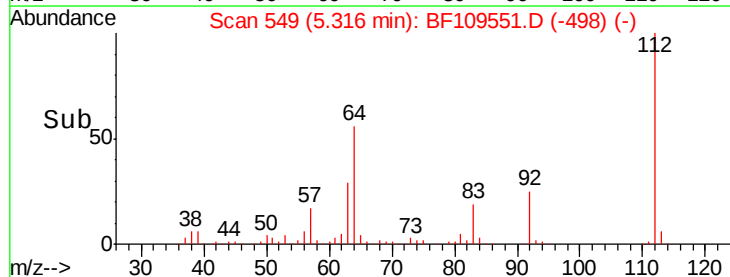
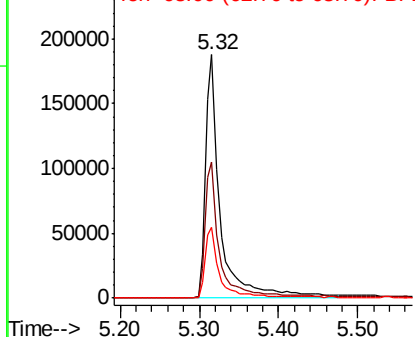
#5

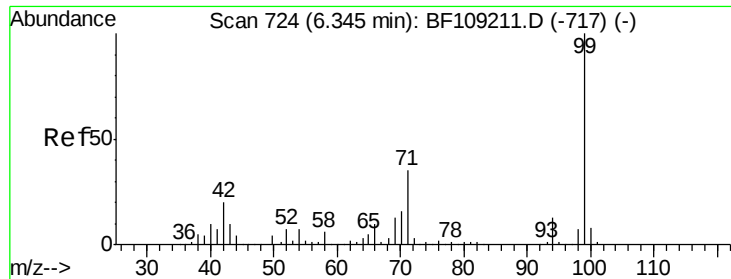
2-Fluorophenol
Concen: 44.963 ng
RT: 5.32 min Scan# 549
Delta R.T. 0.00 min
Lab File: BF109551.D
Acq: 3 Oct 2018 17:25

Tgt Ion:112 Resp: 248651
Ion Ratio Lower Upper
112 100
64 55.7 47.9 71.9
63 29.3 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: 46.450 ng

RT: 6.35 min Scan# 724

Delta R.T. -0.01 min

Lab File: BF109551.D

Acq: 3 Oct 2018 17:25

Instrument :

BNA_F

ClientSampleId :

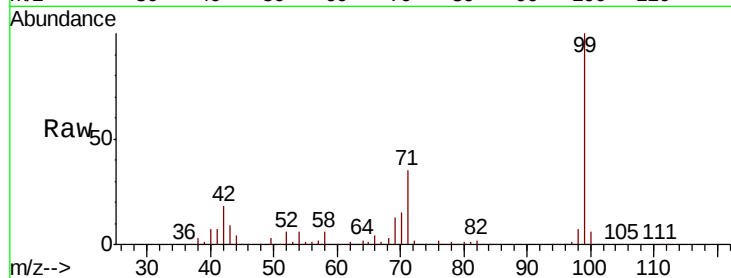
Tot Ion: 99 Resp: 327781

Ion Ratio Lower Upper

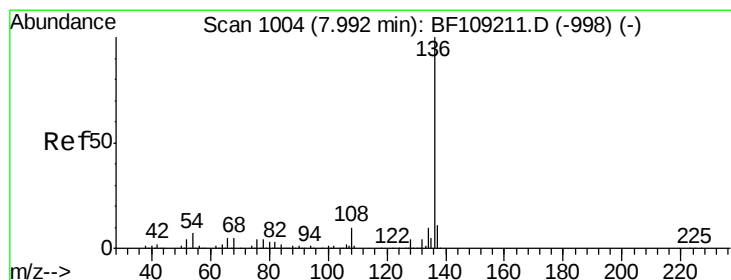
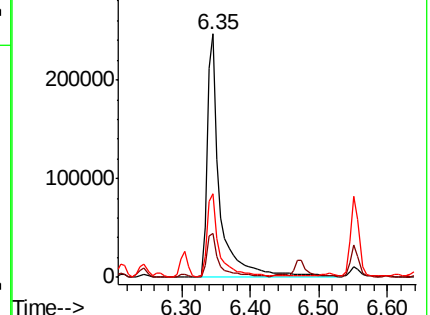
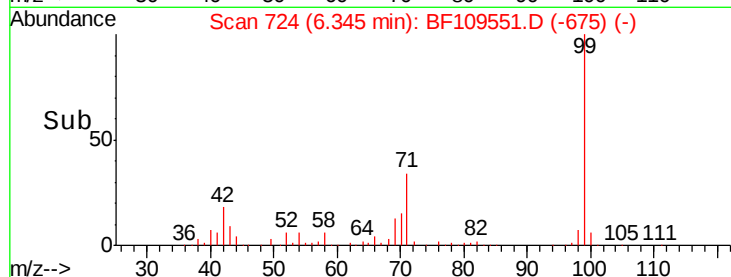
99 100

42 17.9 14.5 21.7

71 34.5 25.4 38.0



Abundance Ion 99.00 (98.70 to 99.70): BF1
Ion 42.00 (41.70 to 42.70): BF1
Ion 71.00 (70.70 to 71.70): BF1



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 7.99 min Scan# 1003

Delta R.T. -0.01 min

Lab File: BF109551.D

Acq: 3 Oct 2018 17:25

Tgt Ion: 136 Resp: 300040

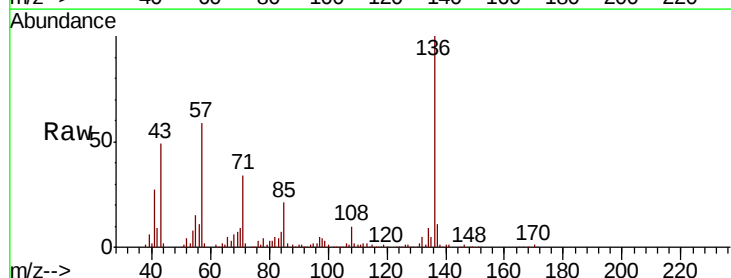
Ion Ratio Lower Upper

136 100

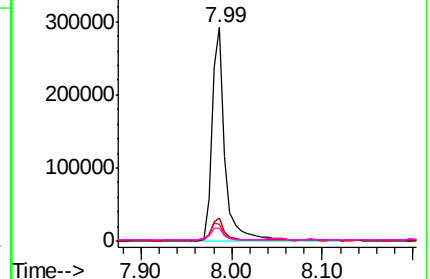
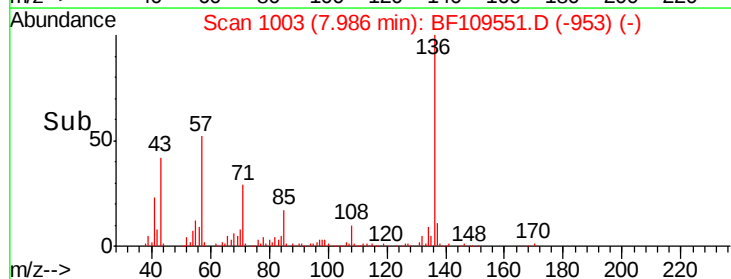
137 10.9 8.9 13.3

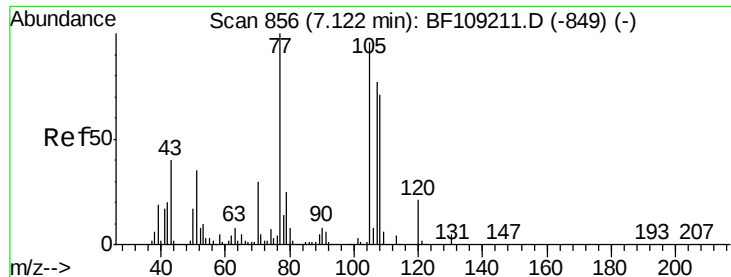
54 7.8 6.6 9.8

68 6.1 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





#22

Acetophenone

Concen: 6.782 ng

RT: 7.10 min Scan# 853

Delta R.T. -0.02 min

Lab File: BF109551.D

Acq: 3 Oct 2018 17:25

Instrument :

BNA_F

ClientSampled :

Tot Ion:105 Resp: 47045

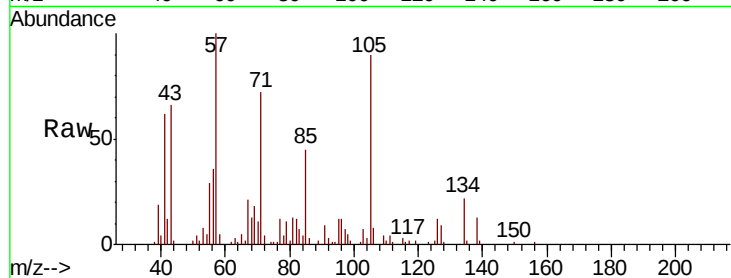
Ion Ratio Lower Upper

105 100

71 80.5 4.4 6.6#

51 4.9 22.3 33.5#

120 0.0 16.9 25.3#

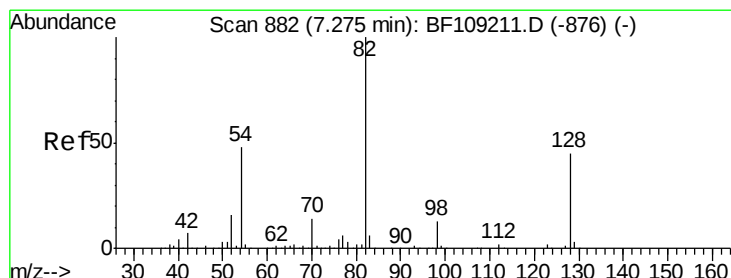
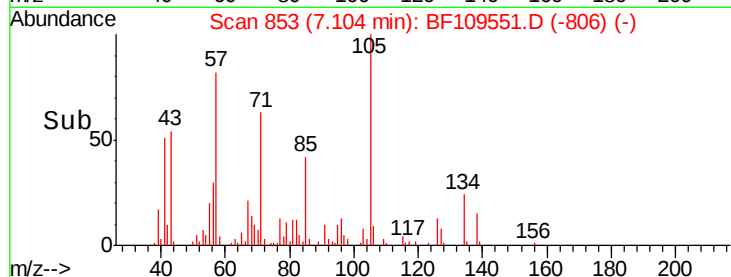
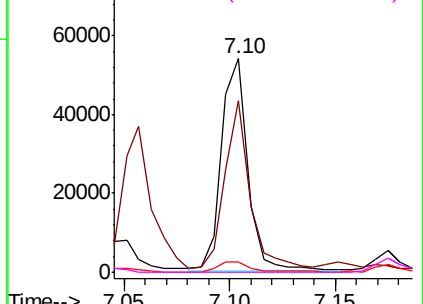


Abundance Ion 105.00 (104.70 to 105.70): E

Ion 71.00 (70.70 to 71.70): BF1

Ion 51.00 (50.70 to 51.70): BF1

Ion 120.00 (119.70 to 120.70): E



#23

Nitrobenzene-d5

Concen: 38.288 ng

RT: 7.26 min Scan# 880

Delta R.T. -0.02 min

Lab File: BF109551.D

Acq: 3 Oct 2018 17:25

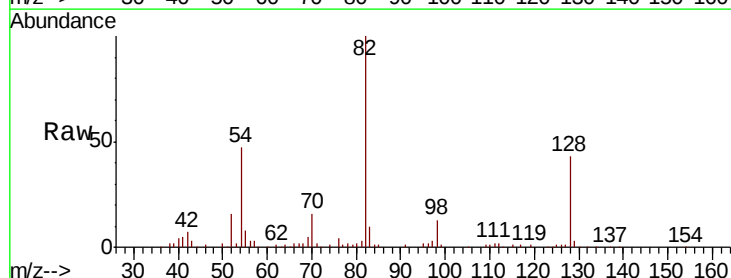
Tgt Ion: 82 Resp: 194609

Ion Ratio Lower Upper

82 100

128 42.6 36.1 54.1

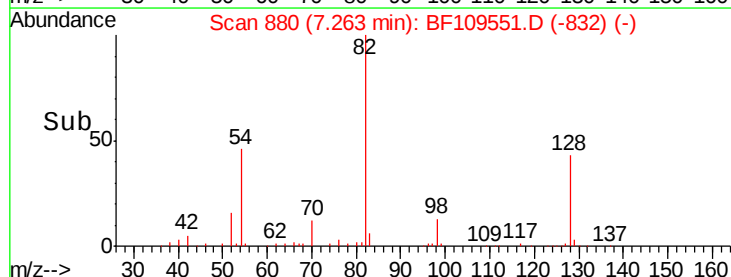
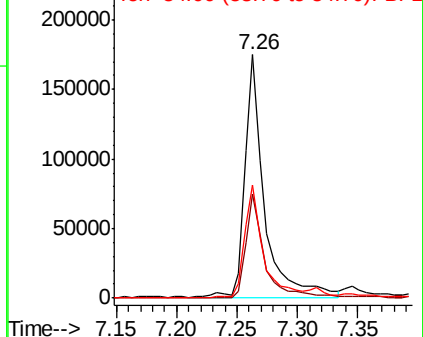
54 46.5 41.4 62.2

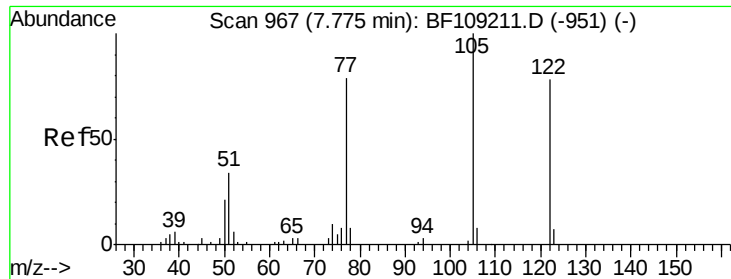


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1

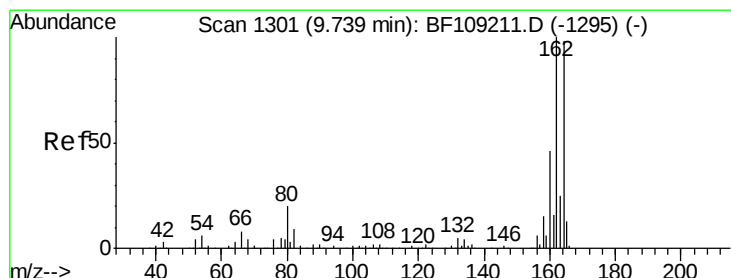
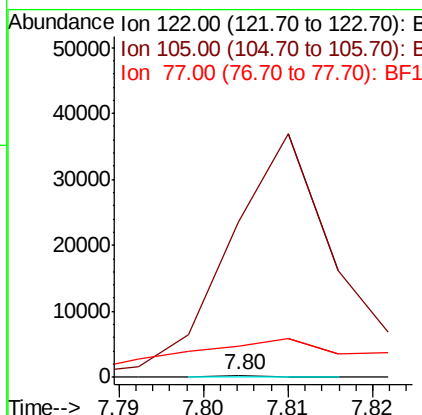
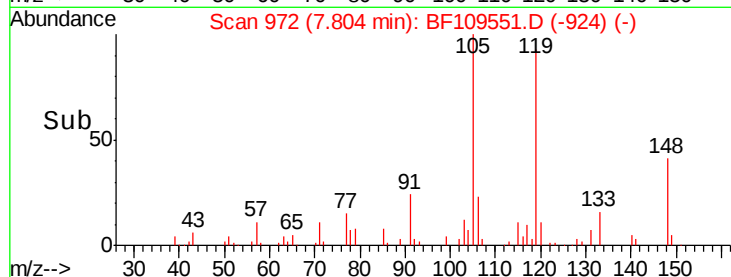
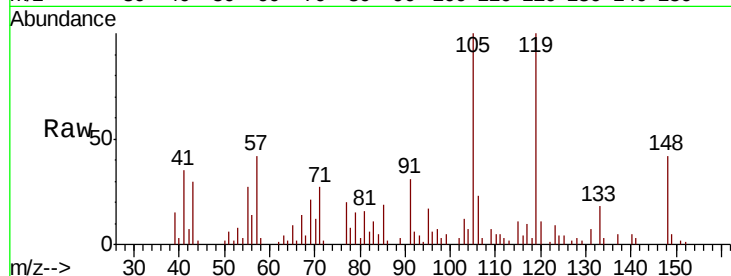




#32
Benzoic acid
Concen: 6.832 ng
RT: 7.80 min Scan# 972
Delta R.T. -0.02 min
Lab File: BF109551.D
Acq: 3 Oct 2018 17:25

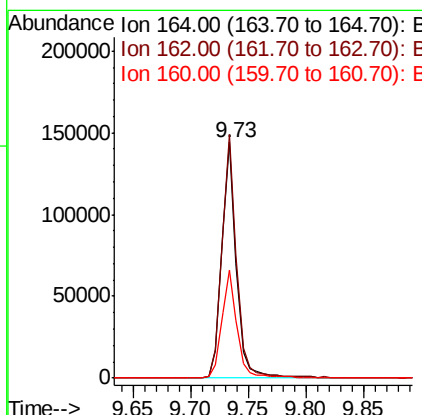
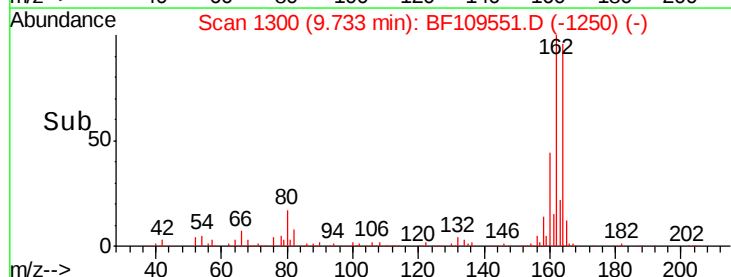
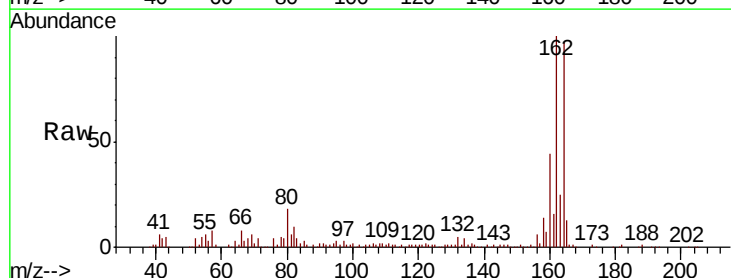
Instrument :
BNA_F
ClientSampled :

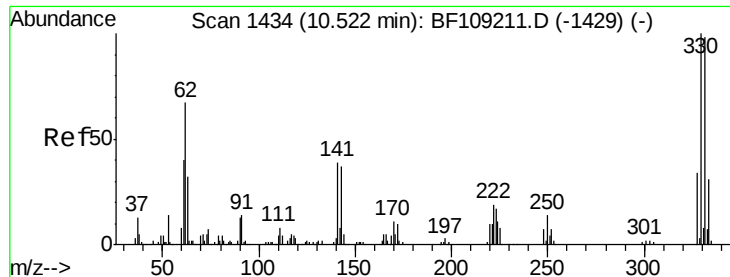
Tot Ion:122 Resp: 112
Ion Ratio Lower Upper
122 100
105 7431.4 101.1 141.1#
77 1483.6 70.7 110.7#



#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.73 min Scan# 1300
Delta R.T. -0.01 min
Lab File: BF109551.D
Acq: 3 Oct 2018 17:25

Tgt Ion:164 Resp: 127747
Ion Ratio Lower Upper
164 100
162 103.5 86.1 129.1
160 45.8 38.3 57.5

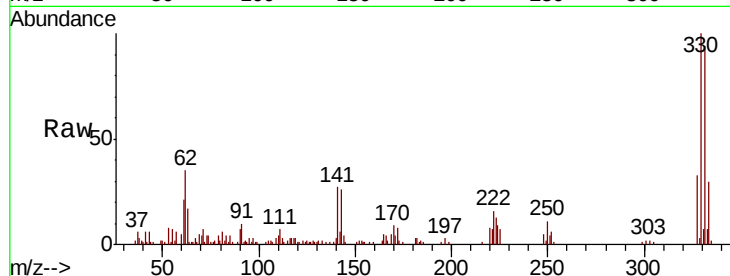




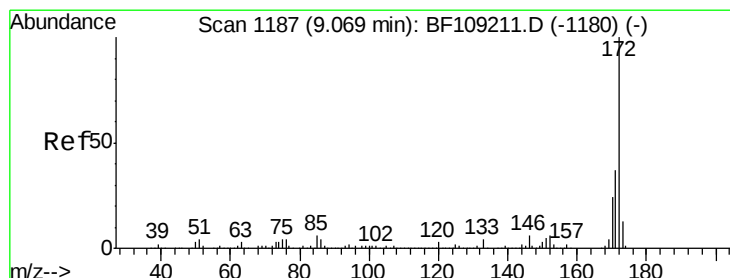
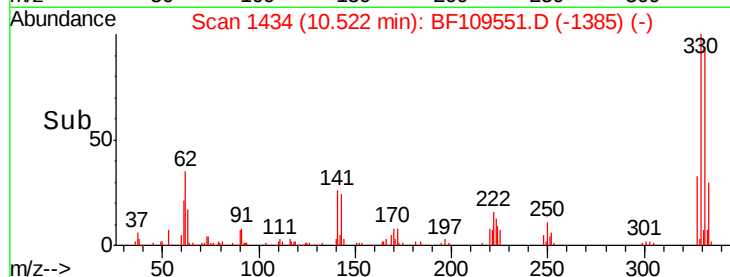
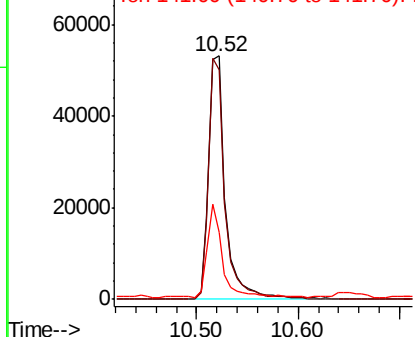
#41
 2,4,6-Tribromophenol
 Concen: 48.718 ng
 RT: 10.52 min Scan# 1434
 Delta R.T. -0.01 min
 Lab File: BF109551.D
 Acq: 3 Oct 2018 17:25

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:330 Resp: 61352
 Ion Ratio Lower Upper
 330 100
 332 96.3 77.0 115.6
 141 34.3 29.9 44.9

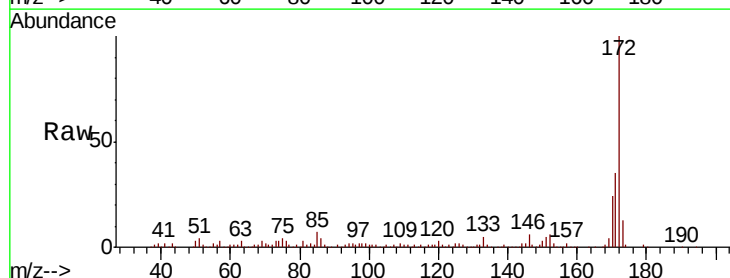


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

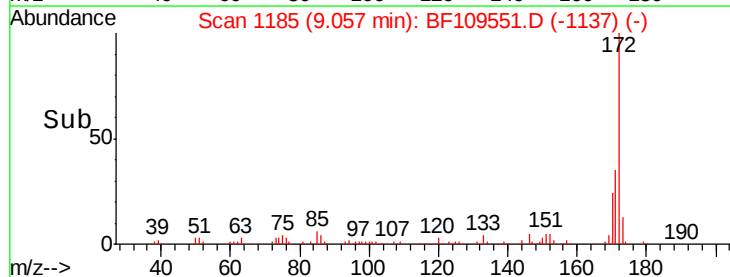
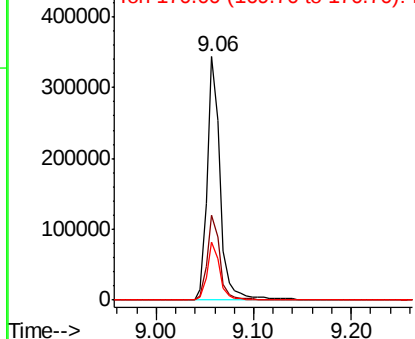


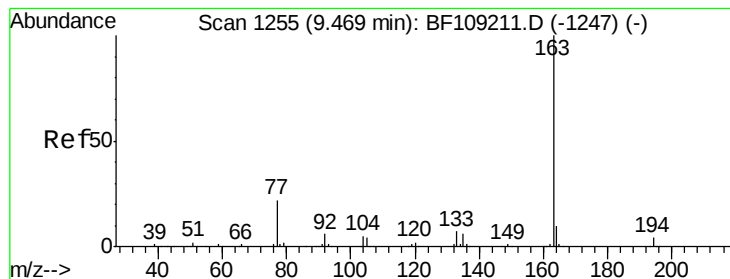
#44
 2-Fluorobiphenyl
 Concen: 37.470 ng
 RT: 9.06 min Scan# 1185
 Delta R.T. -0.02 min
 Lab File: BF109551.D
 Acq: 3 Oct 2018 17:25

Tgt Ion:172 Resp: 317376
 Ion Ratio Lower Upper
 172 100
 171 34.9 29.7 44.5
 170 23.7 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: 9.725 ng

RT: 9.45 min Scan# 1252

Delta R.T. -0.03 min

Lab File: BF109551.D

Acq: 3 Oct 2018 17:25

Instrument :

BNA_F

ClientSampleId :

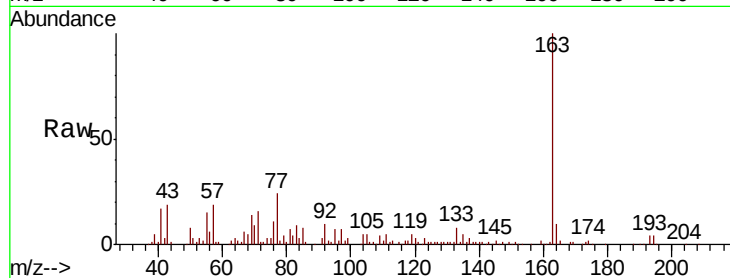
Tot Ion:163 Resp: 90361

Ion Ratio Lower Upper

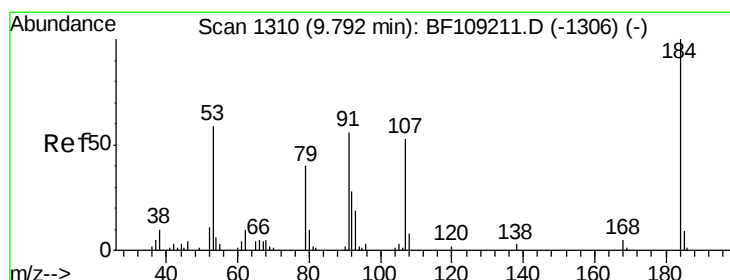
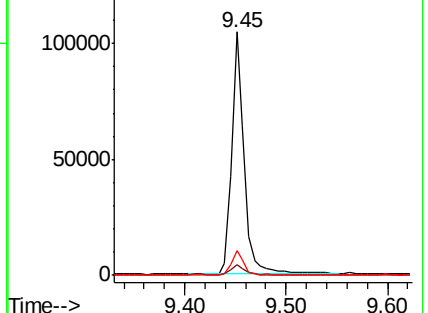
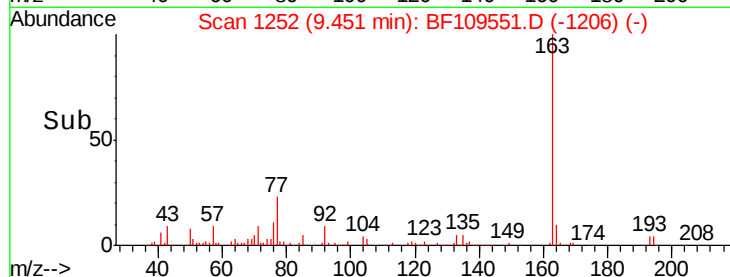
163 100

194 4.3 2.7 4.1#

164 10.0 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



#53

2,4-Dinitrophenol

Concen: 8.859 ng

RT: 9.53 min Scan# 1265

Delta R.T. -0.28 min

Lab File: BF109551.D

Acq: 3 Oct 2018 17:25

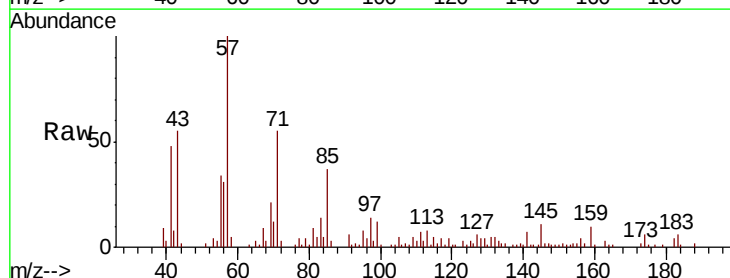
Tgt Ion:184 Resp: 261

Ion Ratio Lower Upper

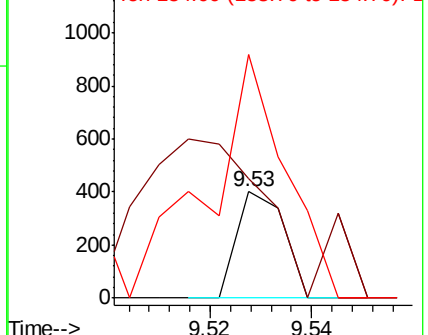
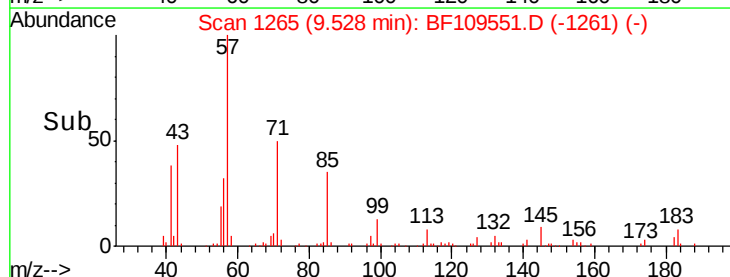
184 100

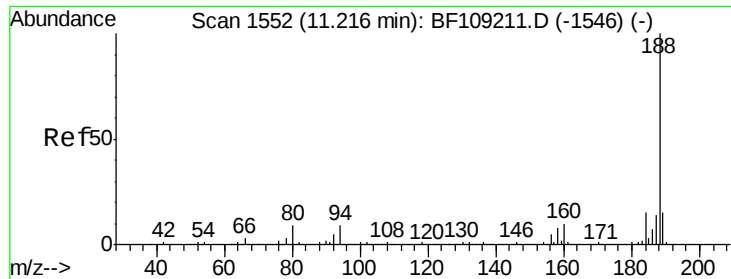
63 112.2 54.2 81.2#

154 228.9 184.0 276.0



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

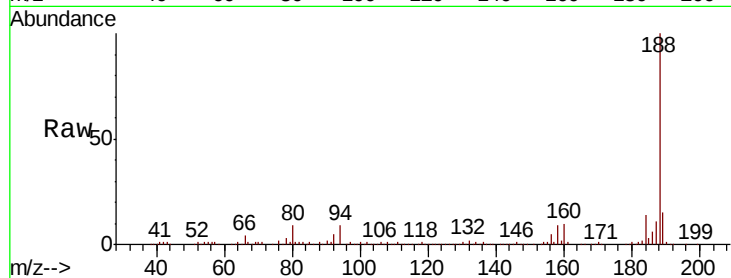




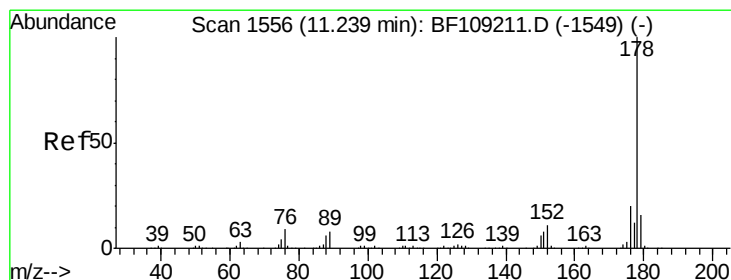
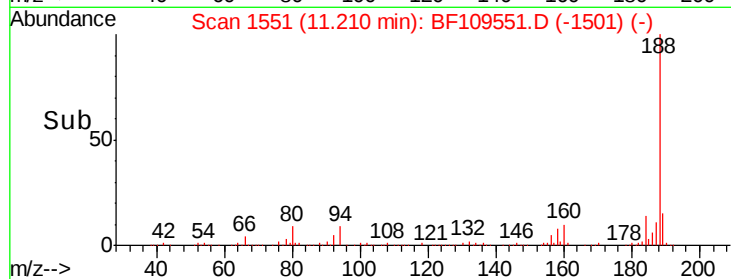
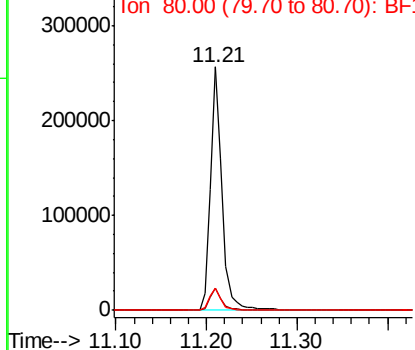
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.21 min Scan# 1551
Delta R.T. -0.01 min
Lab File: BF109551.D
Acq: 3 Oct 2018 17:25

Instrument :
BNA_F
ClientSampleId :

Tot Ion:188 Resp: 231018
Ion Ratio Lower Upper
188 100
94 9.2 8.5 12.7
80 9.3 9.2 13.8

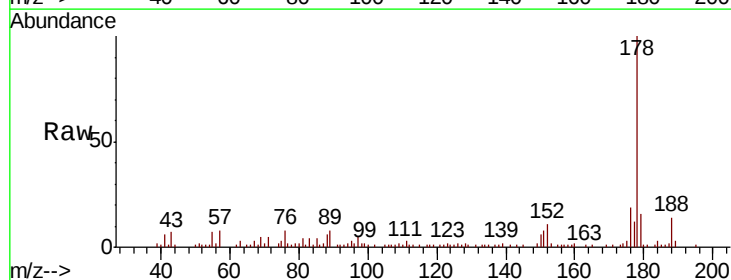


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF1
Ion 80.00 (79.70 to 80.70): BF1

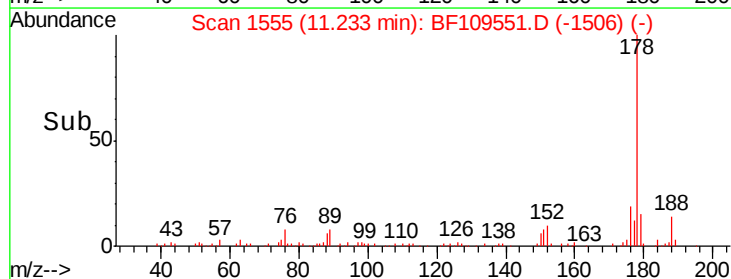
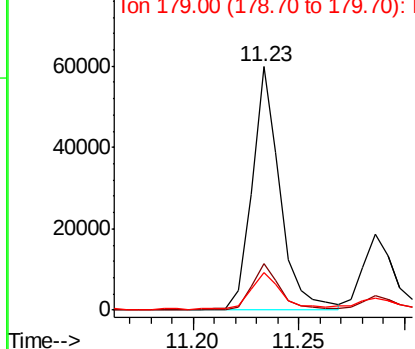


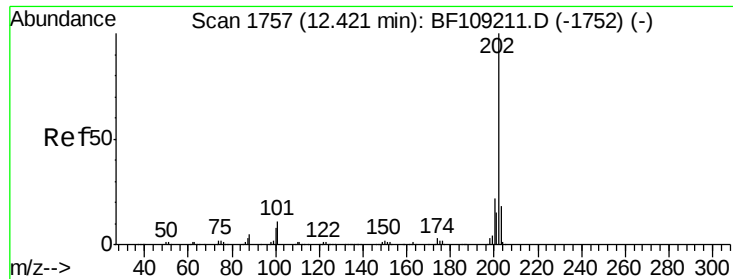
#70
Phenanthrene
Concen: 4.754 ng
RT: 11.23 min Scan# 1555
Delta R.T. -0.01 min
Lab File: BF109551.D
Acq: 3 Oct 2018 17:25

Tgt Ion:178 Resp: 54841
Ion Ratio Lower Upper
178 100
176 19.0 15.8 23.8
179 15.7 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





#74

Fluoranthene

Concen: 12.077 ng

RT: 12.42 min Scan# 1757

Delta R.T. -0.01 min

Lab File: BF109551.D

Acq: 3 Oct 2018 17:25

Instrument :

BNA_F

ClientSampleId :

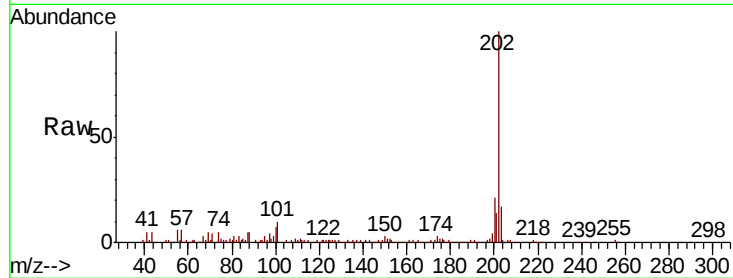
Tot Ion:202 Resp: 148876

Ion Ratio Lower Upper

202 100

101 10.1 0.0 34.1

203 17.4 0.0 38.1

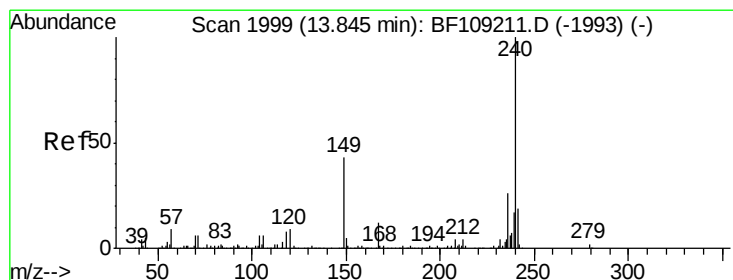
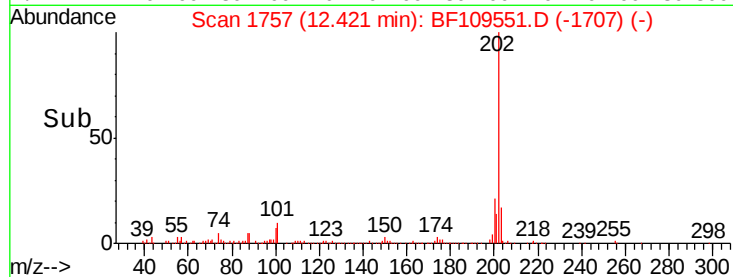
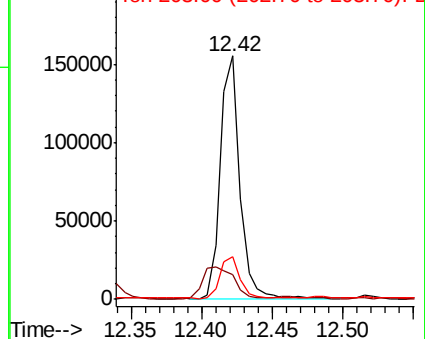


Abundance

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: BF109551.D

Acq: 3 Oct 2018 17:25

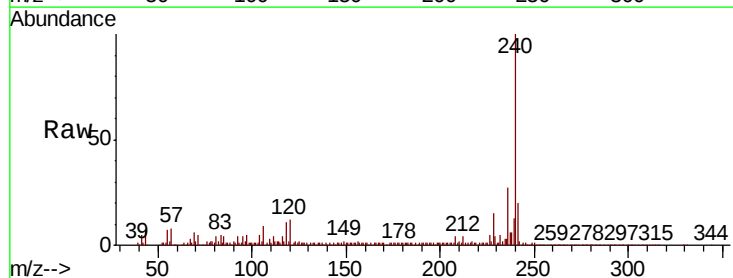
Tgt Ion:240 Resp: 228363

Ion Ratio Lower Upper

240 100

120 12.0 9.5 14.3

236 26.8 20.7 31.1

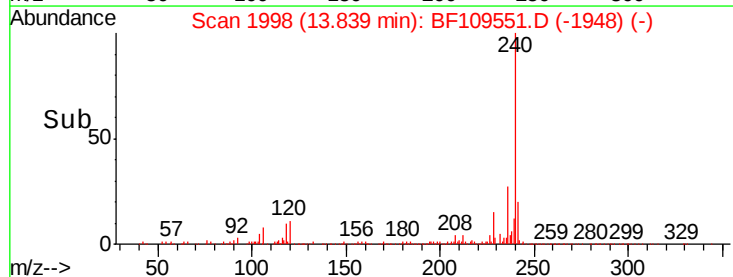
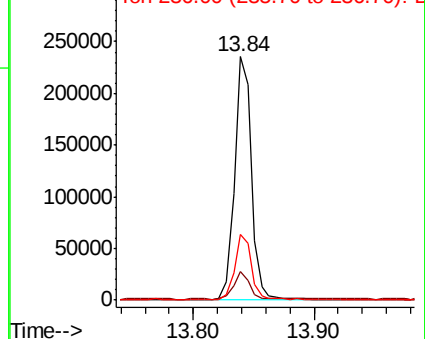


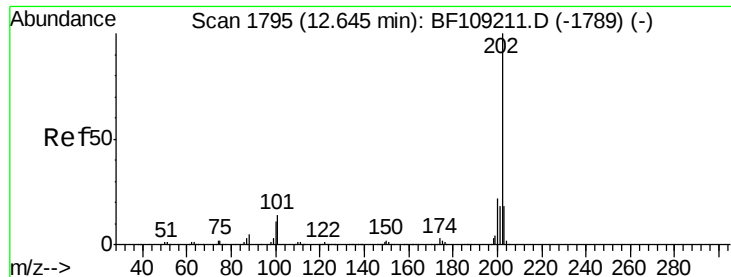
Abundance

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

Pvrene

Concen: 8.735 ng

RT: 12.64 min Scan# 1795

Delta R.T. -0.01 min

Lab File: BF109551.D

Acq: 3 Oct 2018 17:25

Instrument :

BNA_F

ClientSampleId :

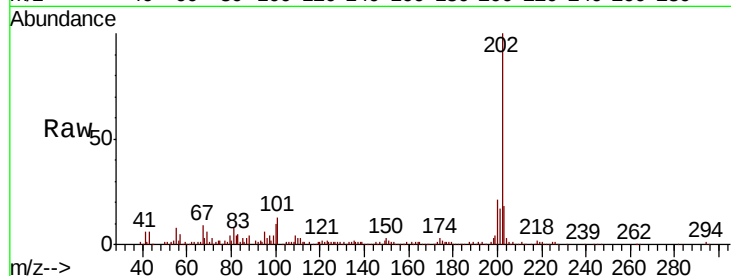
Tot Ion:202 Resp: 142958

Ion Ratio Lower Upper

202 100

200 20.9 17.4 26.2

203 18.3 14.3 21.5

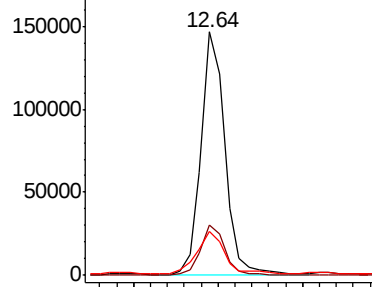


Abundance

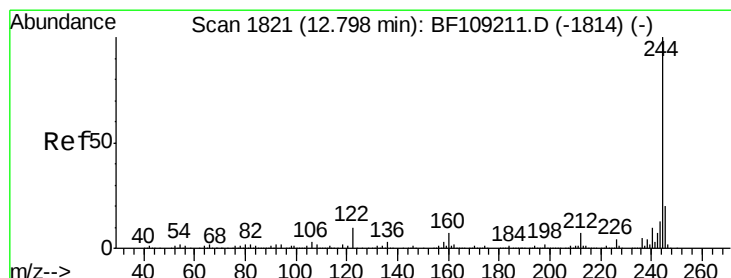
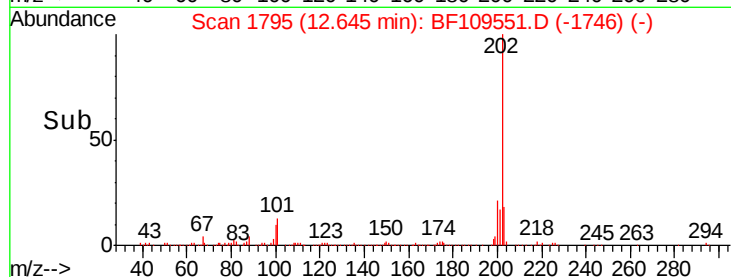
Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E



Time-->



#78

Terphenyl-d14

Concen: 32.667 ng

RT: 12.79 min Scan# 1820

Delta R.T. -0.01 min

Lab File: BF109551.D

Acq: 3 Oct 2018 17:25

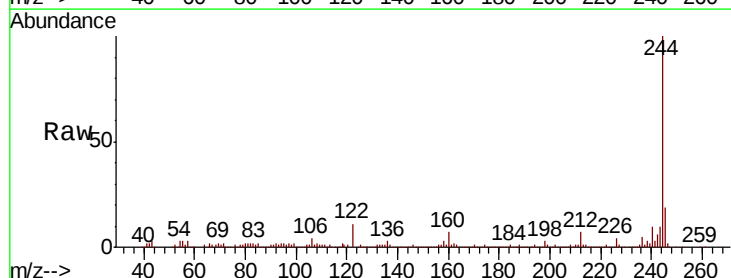
Tgt Ion:244 Resp: 303973

Ion Ratio Lower Upper

244 100

212 7.0 5.4 8.0

122 10.9 11.0 16.4#

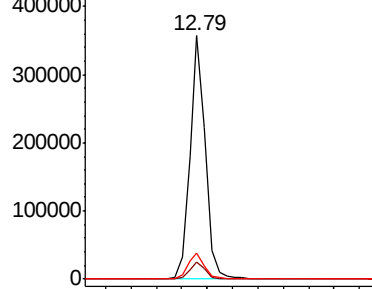


Abundance

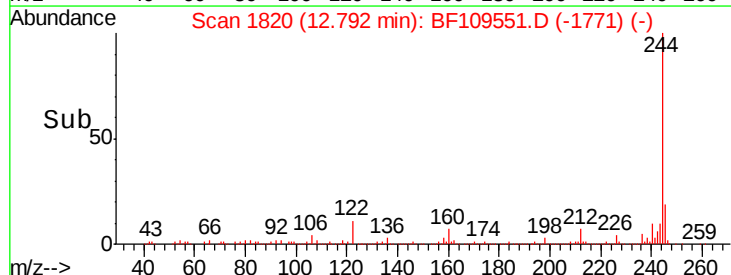
Ion 244.00 (243.70 to 244.70): E

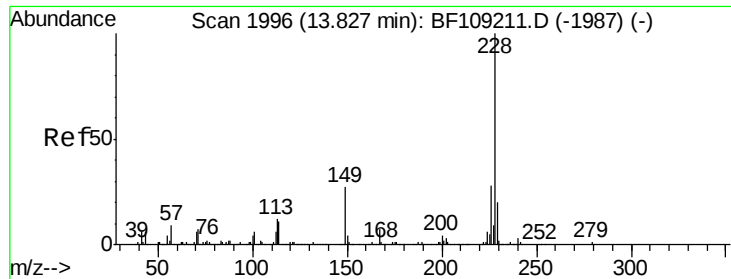
Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



Time-->

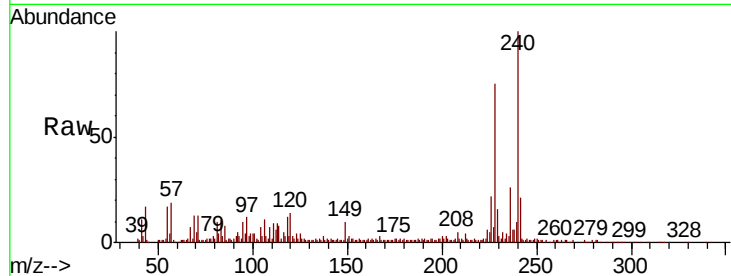




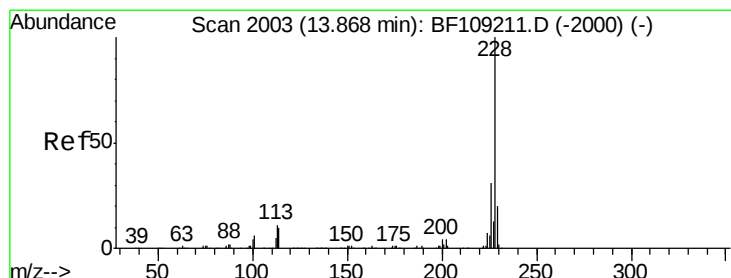
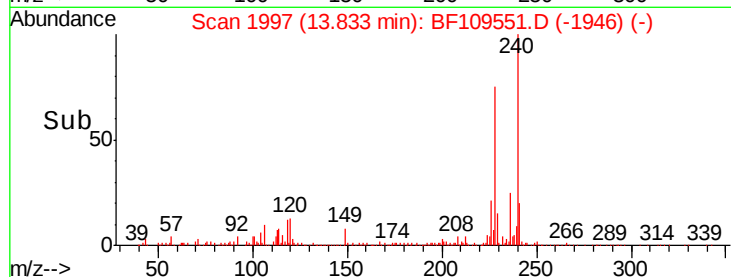
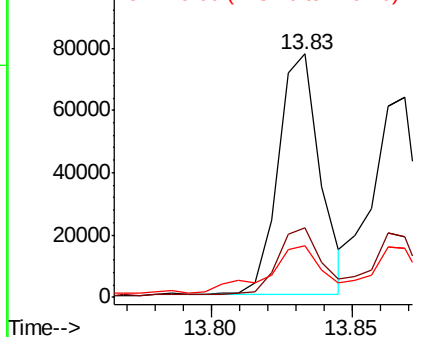
#80
Benzo(a)anthracene
Concen: 5.794 ng
RT: 13.83 min Scan# 1997
Delta R.T. 0.00 min
Lab File: BF109551.D
Acq: 3 Oct 2018 17:25

Instrument :
BNA_F
ClientSampleId :

Tot Ion:228 Resp: 79701
Ion Ratio Lower Upper
228 100
226 28.7 22.6 33.8
229 21.4 15.8 23.6

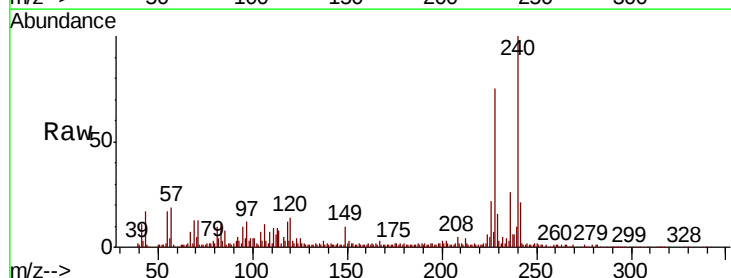


Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E

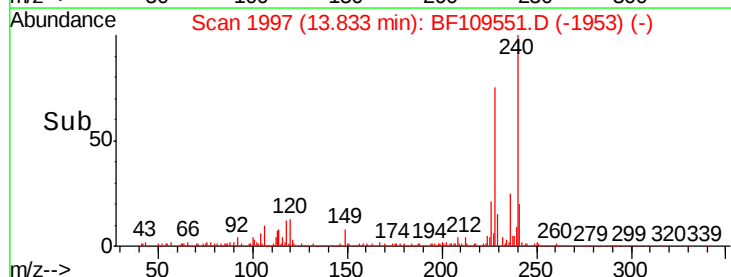
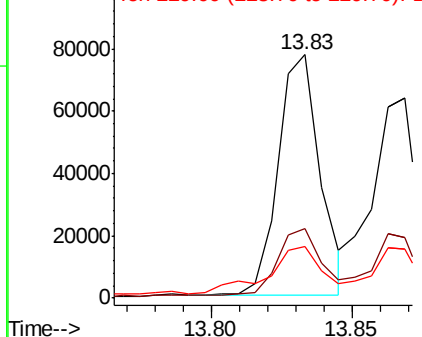


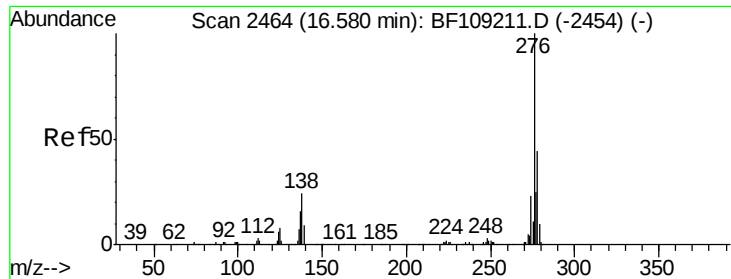
#82
Chrysene
Concen: 5.846 ng
RT: 13.83 min Scan# 1997
Delta R.T. -0.04 min
Lab File: BF109551.D
Acq: 3 Oct 2018 17:25

Tgt Ion:228 Resp: 79701
Ion Ratio Lower Upper
228 100
226 28.7 25.0 37.6
229 21.4 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

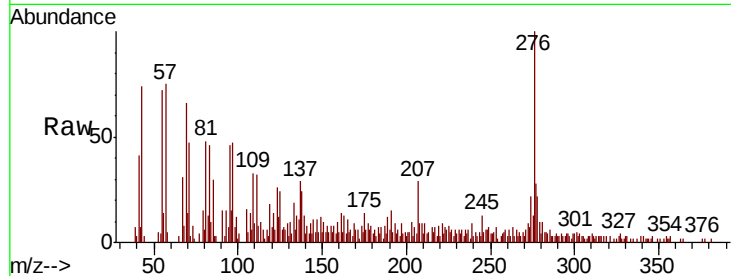




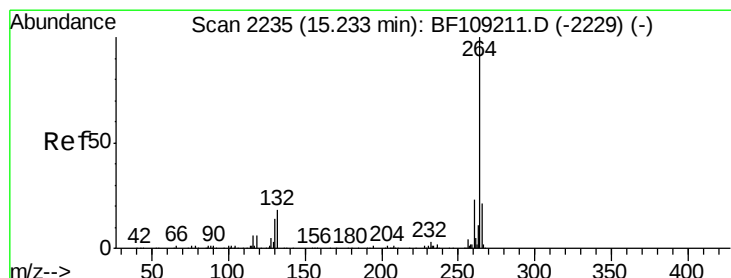
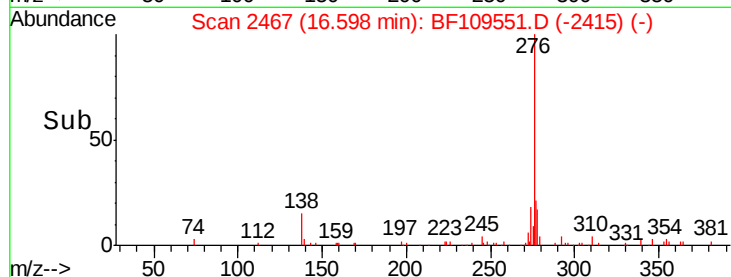
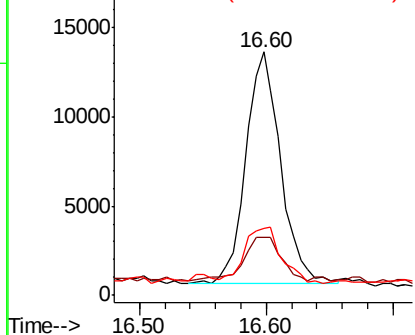
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 2.224 ng
 RT: 16.60 min Scan# 2467
 Delta R.T. 0.01 min
 Lab File: BF109551.D
 Acq: 3 Oct 2018 17:25

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ion	Ratio	Lower	Upper
276	100			
138	21.6	25.0	37.6	
277	26.4	20.1	30.1	

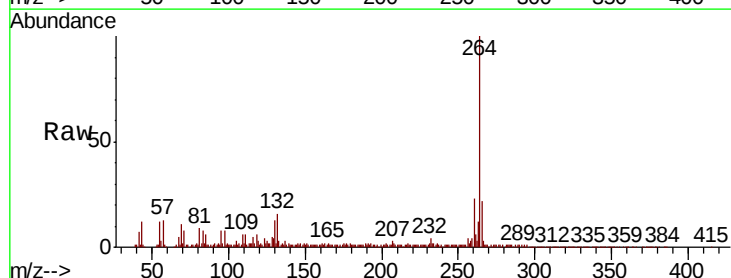


Abundance Ion 276.00 (275.70 to 276.70): E
 Ion 138.00 (137.70 to 138.70): E
 Ion 277.00 (276.70 to 277.70): E

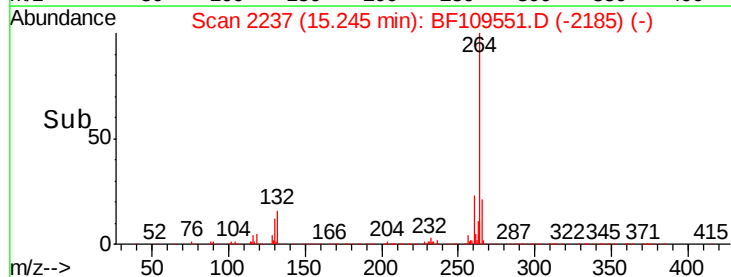
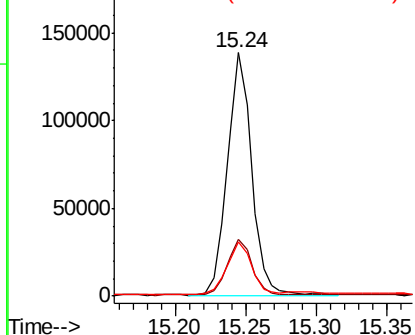


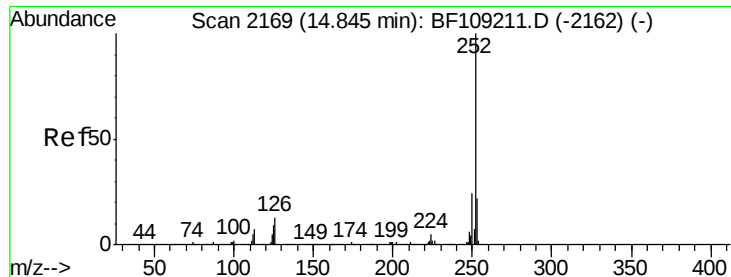
#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.24 min Scan# 2237
 Delta R.T. 0.01 min
 Lab File: BF109551.D
 Acq: 3 Oct 2018 17:25

Tgt Ion	Ion	Ratio	Lower	Upper
264	100			
260	23.3	19.2	28.8	
265	22.3	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

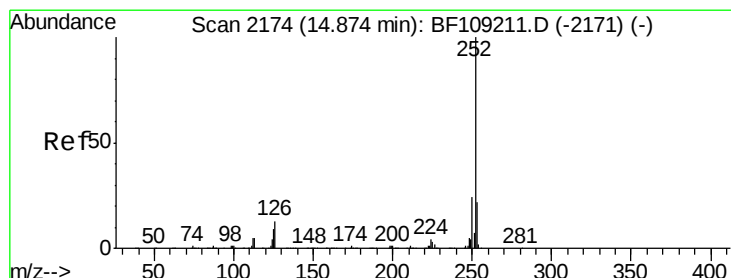
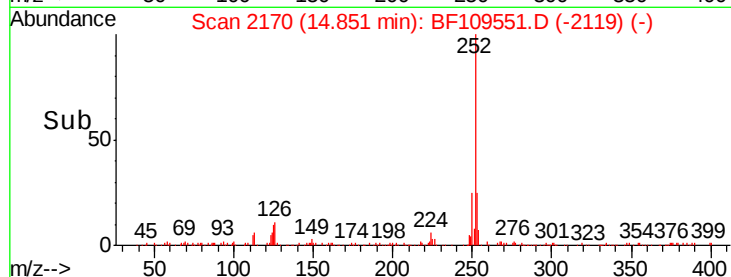
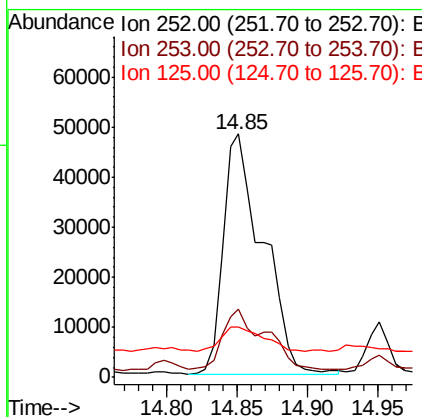
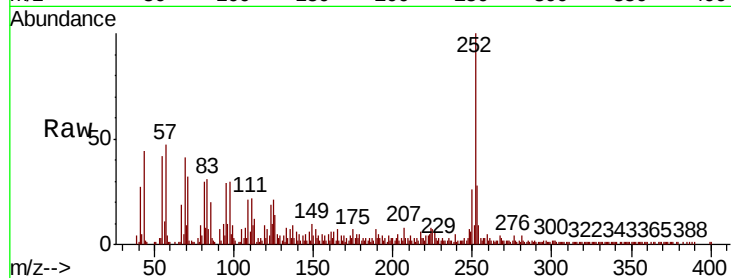




#87
Benzo(b)fluoranthene
Concen: 10.293 ng
RT: 14.85 min Scan# 2170
Delta R.T. 0.00 min
Lab File: BF109551.D
Acq: 3 Oct 2018 17:25

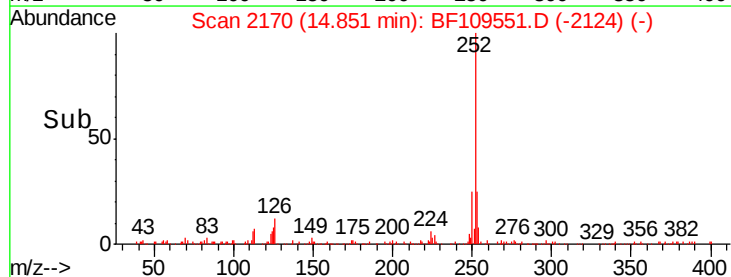
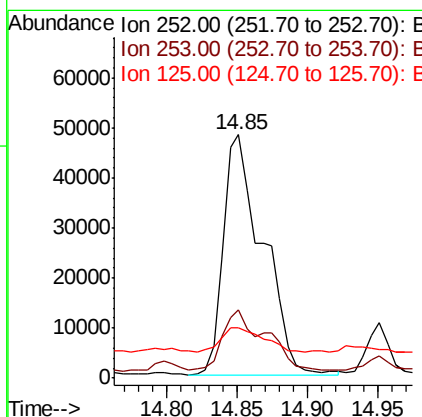
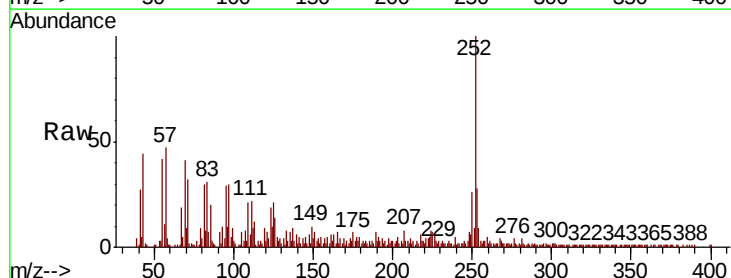
Instrument :
BNA_F
ClientSampleId :

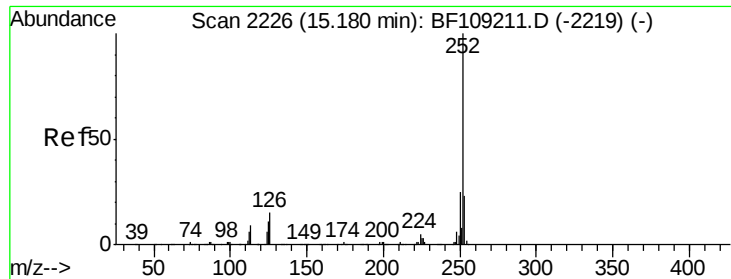
Tot Ion	Ratio	Lower	Upper
252	100		
253	27.8	17.0	25.6#
125	20.6	9.0	13.6#



#88
Benzo(k)fluoranthene
Concen: 10.847 ng
RT: 14.85 min Scan# 2170
Delta R.T. -0.03 min
Lab File: BF109551.D
Acq: 3 Oct 2018 17:25

Tgt Ion	Ratio	Lower	Upper
252	100		
253	27.8	17.9	26.9#
125	20.6	10.2	15.2#





#89

Benzo(a)pyrene

Concen: 5.555 ng

RT: 15.19 min Scan# 2227

Delta R.T. 0.00 min

Lab File: BF109551.D

Acq: 3 Oct 2018 17:25

Instrument :

BNA_F

ClientSampleId :

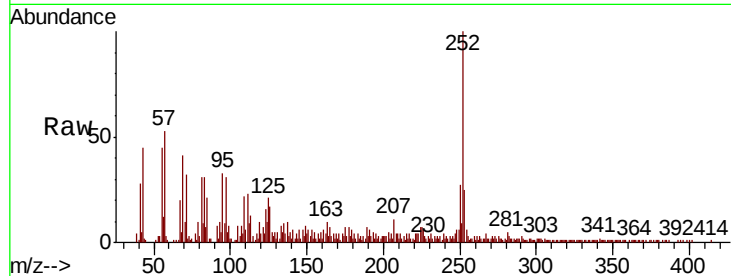
Tot Ion:252 Resp: 45575

Ion Ratio Lower Upper

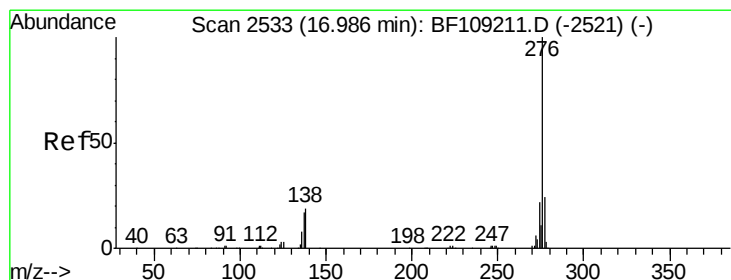
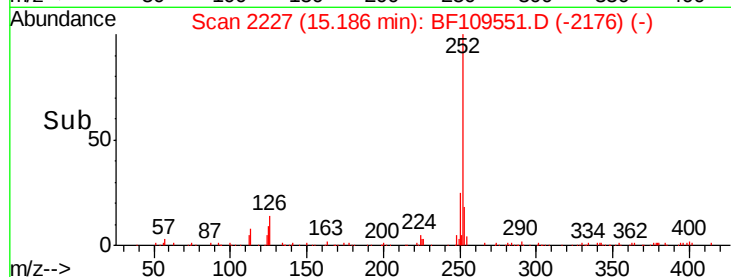
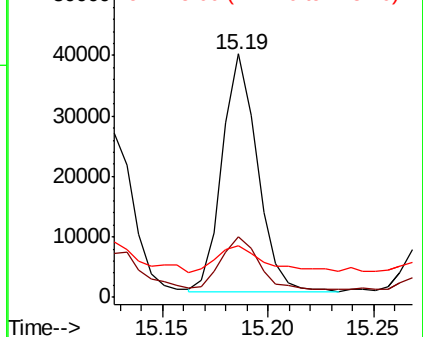
252 100

253 25.1 17.1 25.7

125 21.3 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: 3.583 ng

RT: 17.00 min Scan# 2536

Delta R.T. 0.01 min

Lab File: BF109551.D

Acq: 3 Oct 2018 17:25

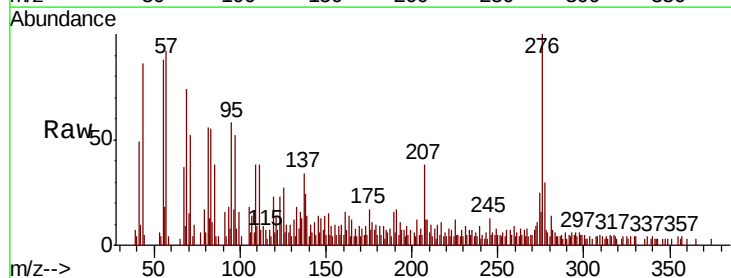
Tgt Ion:276 Resp: 23703

Ion Ratio Lower Upper

276 100

277 30.1 17.9 26.9#

138 23.9 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

