

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF100318\
 Data File : BF109550.D
 Acq On : 3 Oct 2018 16:59
 Operator : JU/SJ
 Sample : J5194-03 2X
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Oct 03 19:01:45 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

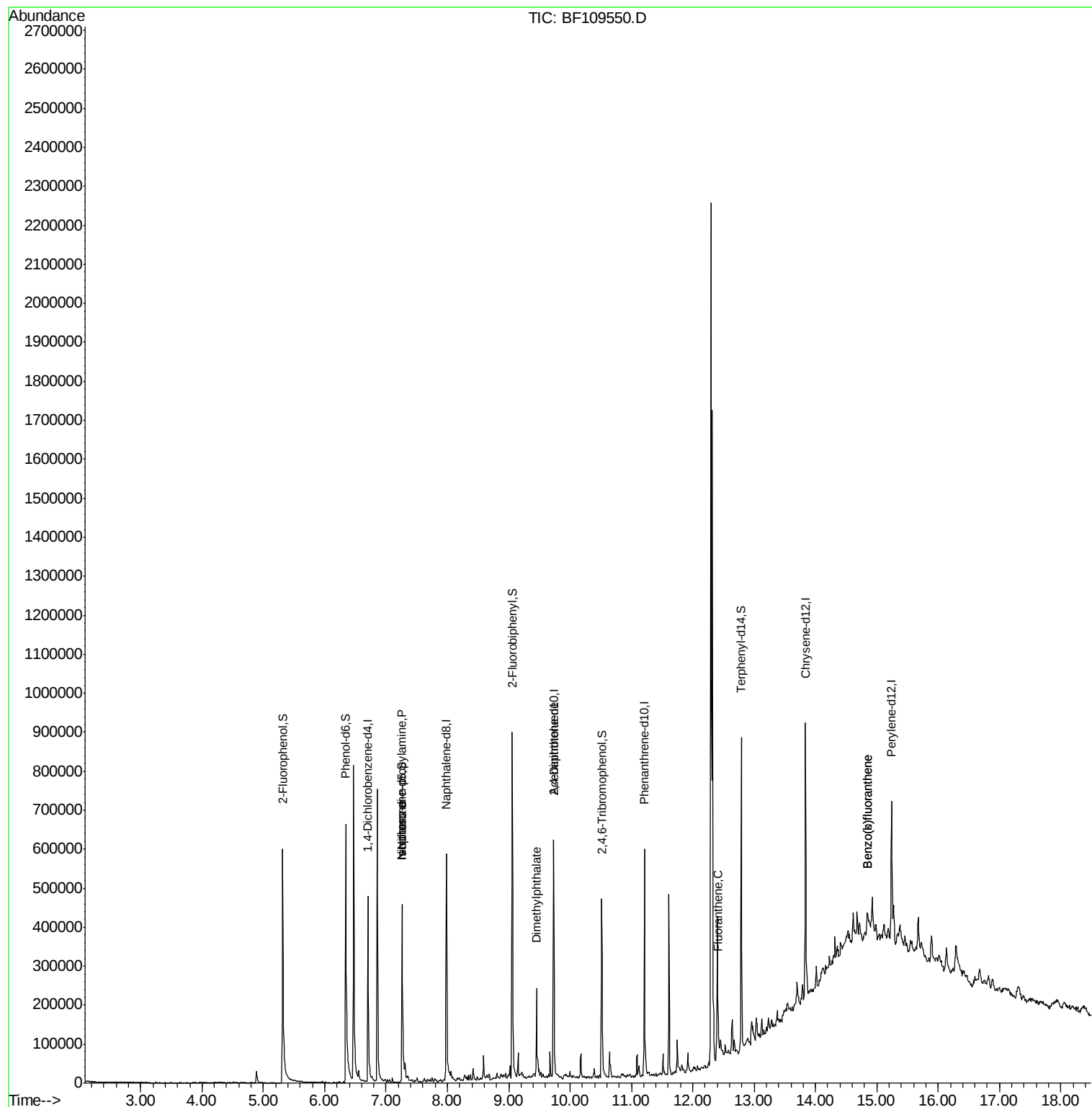
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.70	152	87649	20.00	ng	0.00
21) Naphthalene-d8	7.99	136	319681	20.00	ng	0.00
38) Acenaphthene-d10	9.73	164	122880	20.00	ng	0.00
63) Phenanthrene-d10	11.21	188	221626	20.00	ng	0.00
75) Chrysene-d12	13.84	240	241694	20.00	ng	0.00
86) Perylene-d12	15.24	264	187951	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.32	112	248106	46.62	ng	0.00
7) Phenol-d6	6.34	99	329504	48.52	ng	-0.02
23) Nitrobenzene-d5	7.26	82	200063	36.94	ng	-0.02
41) 2,4,6-Tribromophenol	10.52	330	62037	51.21	ng	-0.02
44) 2-Fluorobiphenyl	9.06	172	297520	36.52	ng	-0.02
78) Terphenyl-d14	12.79	244	287321	29.17	ng	-0.01
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.26	70	26918	6.050	ng	# 77
25) Isophorone	7.26	82	182907	18.756	ng	# 64
49) Dimethylphthalate	9.45	163	89490	10.013	ng	# 99
56) 2,4-Dinitrotoluene	9.73	165	15882	7.091	ng	# 21
74) Fluoranthene	12.42	202	31814	2.690	ng	# 97
87) Benzo(b)fluoranthene	14.84	252	22990	2.226	ng	# 61
88) Benzo(k)fluoranthene	14.84	252	22990	2.346	ng	# 65

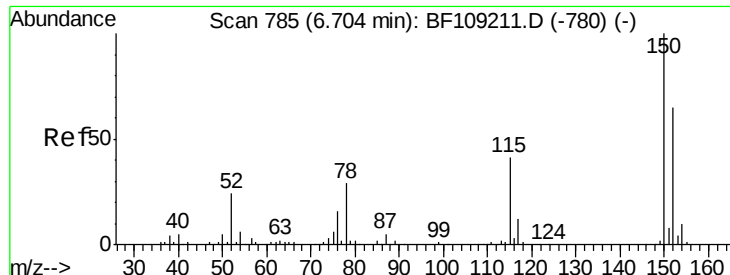
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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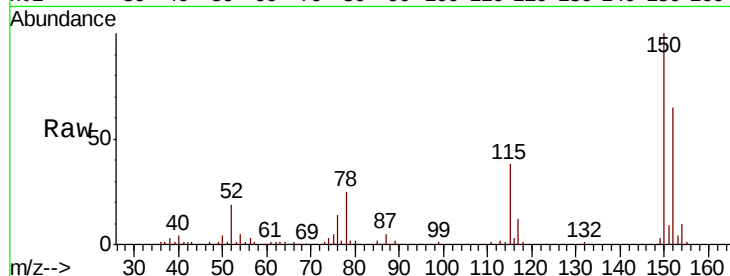


#1

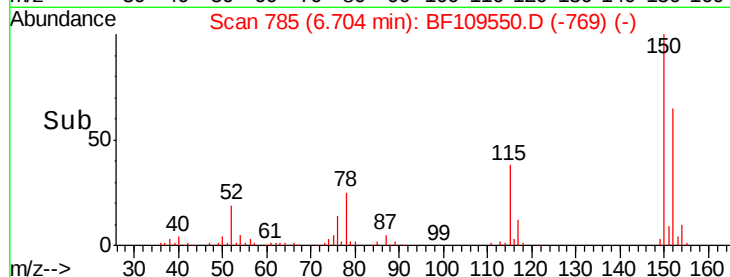
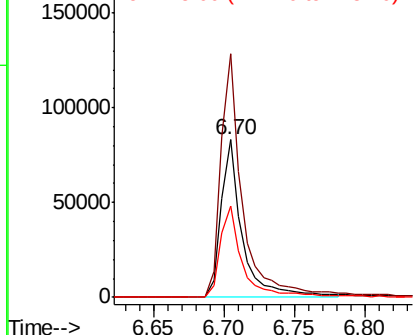
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.70 min Scan# 785
Delta R.T. -0.01 min
Lab File: BF109550.D
Acq: 3 Oct 2018 16:59

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 87649
Ion Ratio Lower Upper
152 100
150 154.5 124.6 186.8
115 58.1 50.1 75.1



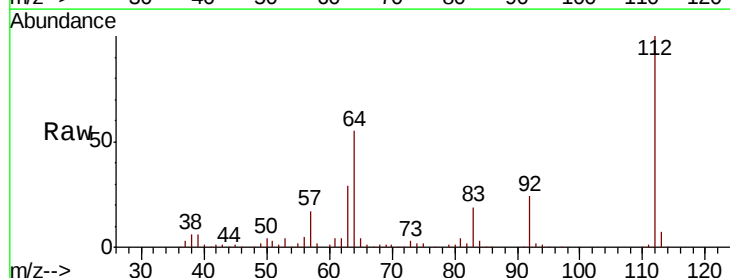
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



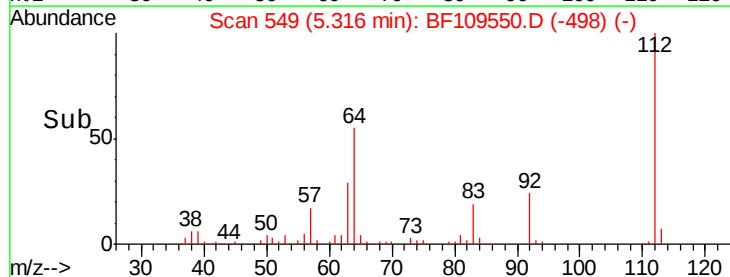
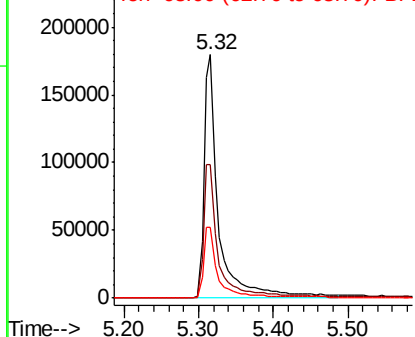
#5

2-Fluorophenol
Concen: 46.623 ng
RT: 5.32 min Scan# 549
Delta R.T. 0.00 min
Lab File: BF109550.D
Acq: 3 Oct 2018 16:59

Tgt Ion:112 Resp: 248106
Ion Ratio Lower Upper
112 100
64 54.8 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: 48.525 ng

RT: 6.34 min Scan# 723

Delta R.T. -0.02 min

Lab File: BF109550.D

Acq: 3 Oct 2018 16:59

Instrument :

BNA_F

ClientSampleId :

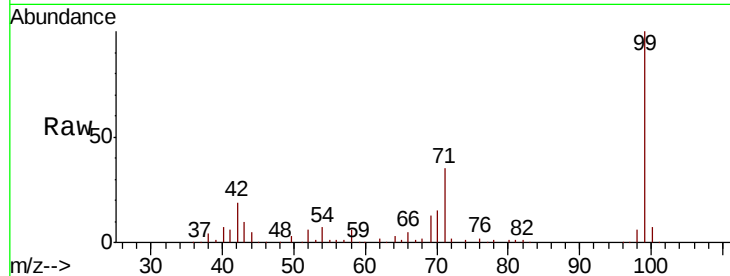
Tot Ion: 99 Resp: 329504

Ion Ratio Lower Upper

99 100

42 19.4 14.5 21.7

71 35.0 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

300000

250000

200000

150000

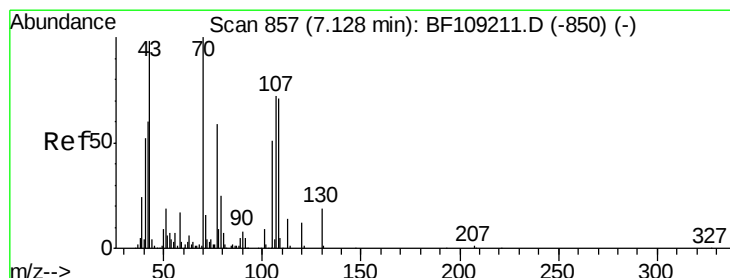
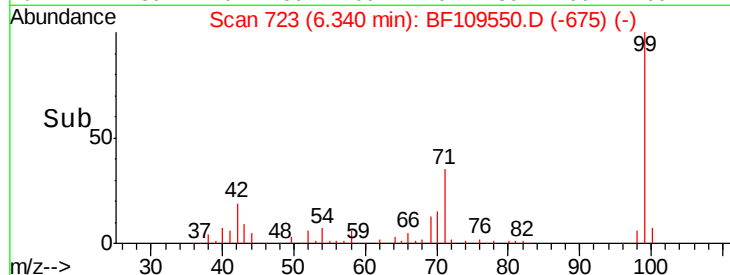
100000

50000

0

6.30 6.34 6.40 6.50 6.60

Time-->



#19

n-Nitroso-di-n-propylamine

Concen: 6.050 ng

RT: 7.26 min Scan# 880

Delta R.T. 0.12 min

Lab File: BF109550.D

Acq: 3 Oct 2018 16:59

Tgt Ion: 70 Resp: 26918

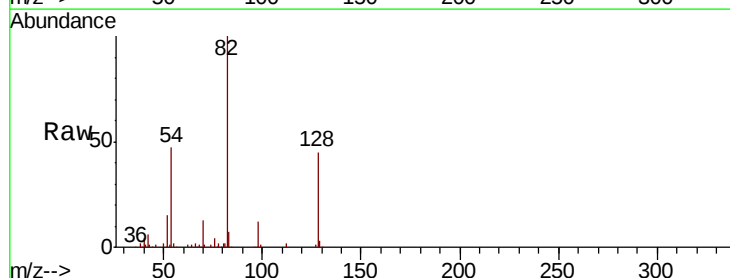
Ion Ratio Lower Upper

70 100

42 47.1 47.5 71.3#

101 0.0 7.4 11.2#

130 1.8 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

30000

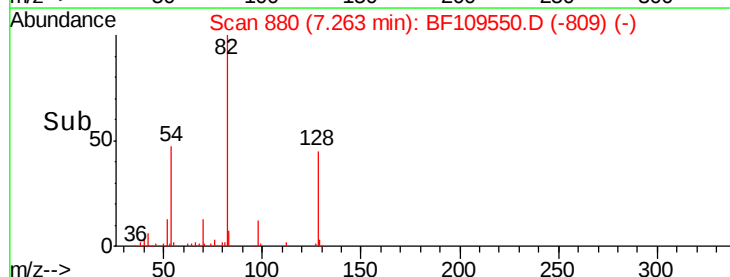
20000

10000

0

7.20 7.25 7.30 7.35

Time-->





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 7.99 min Scan# 1003

Delta R.T. -0.01 min

Lab File: BF109550.D

Acq: 3 Oct 2018 16:59

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 319681

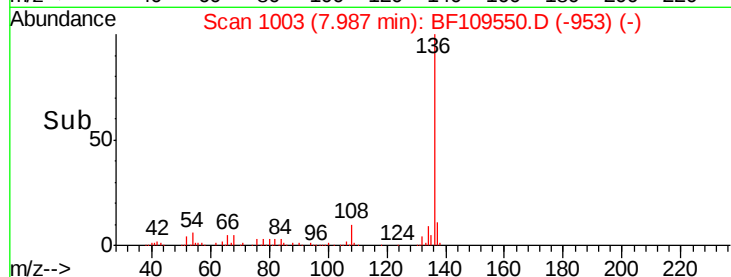
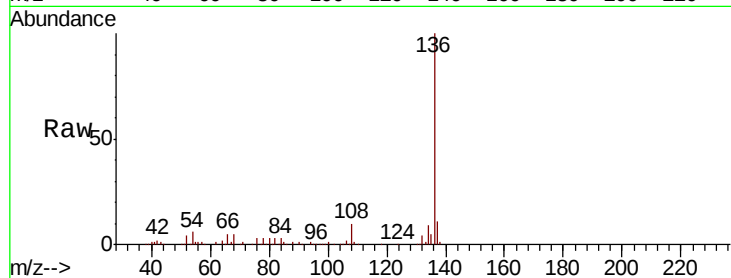
Ion Ratio Lower Upper

136 100

137 10.9 8.9 13.3

54 6.4 6.6 9.8#

68 4.8 5.0 7.4#



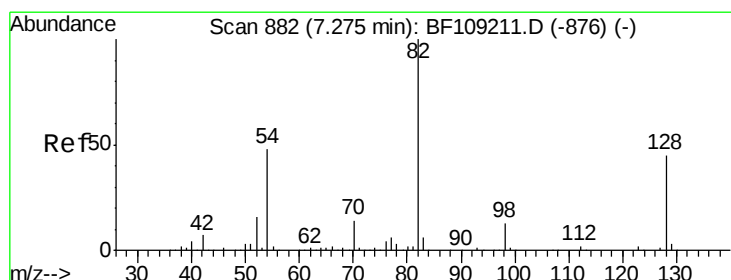
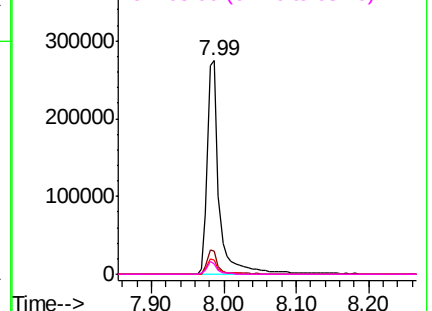
Abundance

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: 36.943 ng

RT: 7.26 min Scan# 880

Delta R.T. -0.02 min

Lab File: BF109550.D

Acq: 3 Oct 2018 16:59

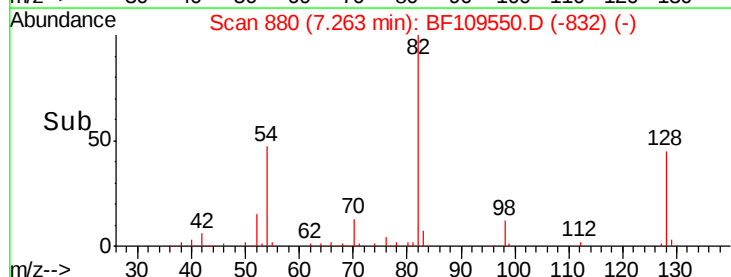
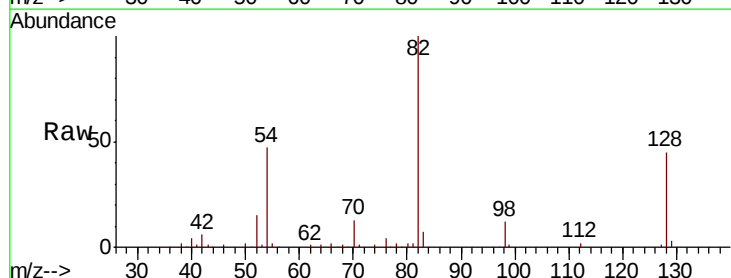
Tgt Ion: 82 Resp: 200063

Ion Ratio Lower Upper

82 100

128 44.8 36.1 54.1

54 47.4 41.4 62.2

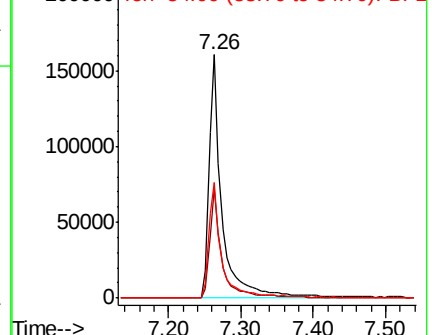


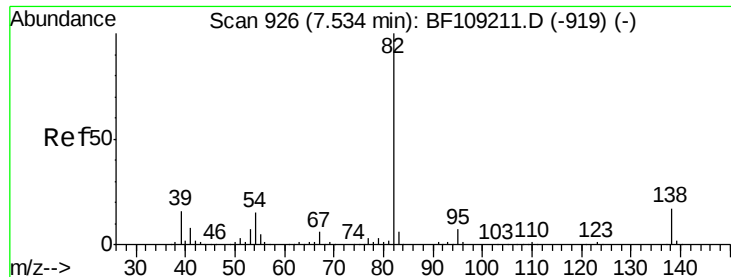
Abundance

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: 18.756 ng

RT: 7.26 min Scan# 880

Delta R.T. -0.28 min

Lab File: BF109550.D

Acq: 3 Oct 2018 16:59

Instrument :

BNA_F

ClientSampled :

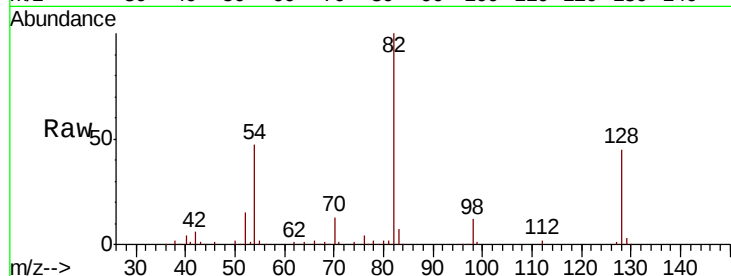
Tot Ion: 82 Resp: 182907

Ion Ratio Lower Upper

82 100

95 0.0 5.2 7.8#

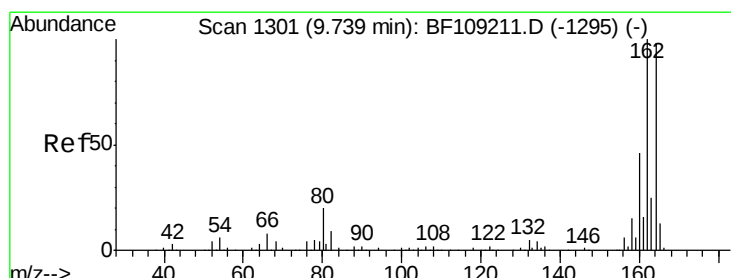
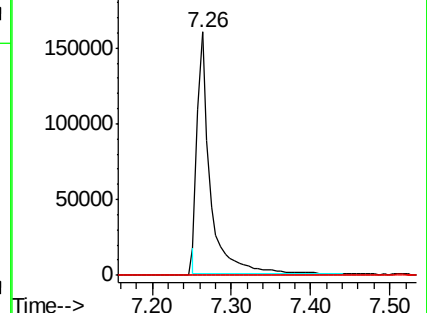
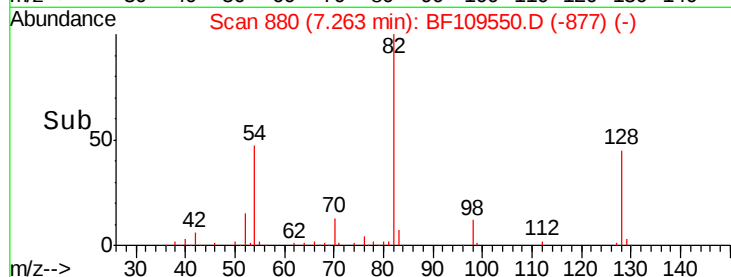
138 0.0 14.9 22.3#



Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 95.00 (94.70 to 95.70): BF1

Ion 138.00 (137.70 to 138.70): BF1



#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.73 min Scan# 1300

Delta R.T. -0.01 min

Lab File: BF109550.D

Acq: 3 Oct 2018 16:59

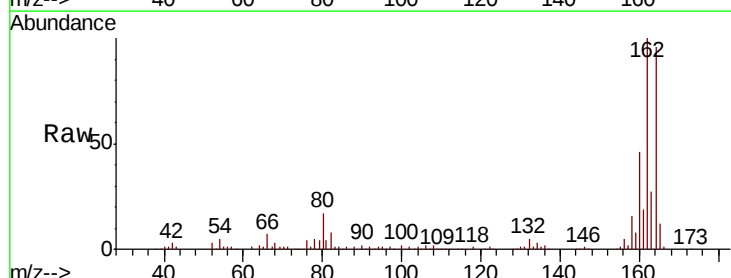
Tgt Ion: 164 Resp: 122880

Ion Ratio Lower Upper

164 100

162 104.0 86.1 129.1

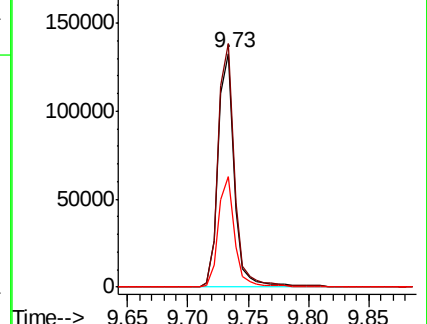
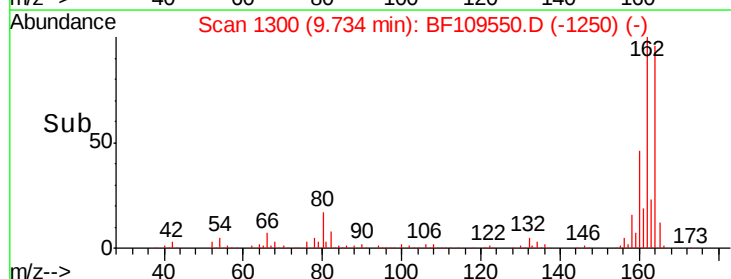
160 47.5 38.3 57.5

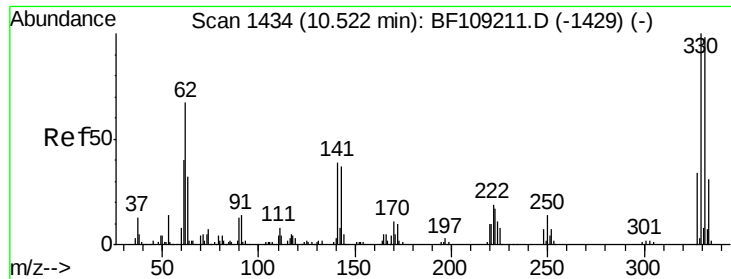


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

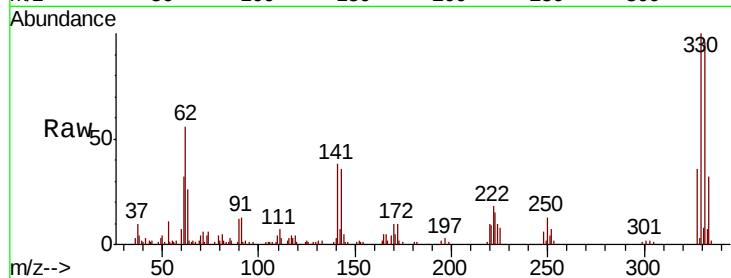




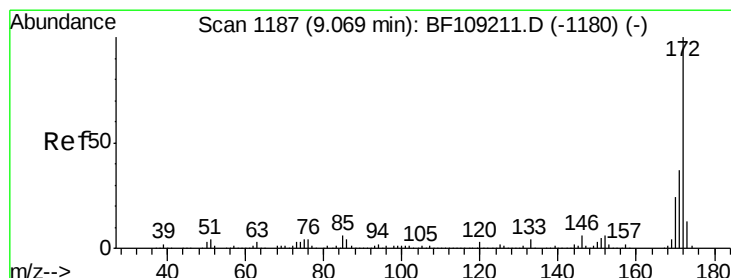
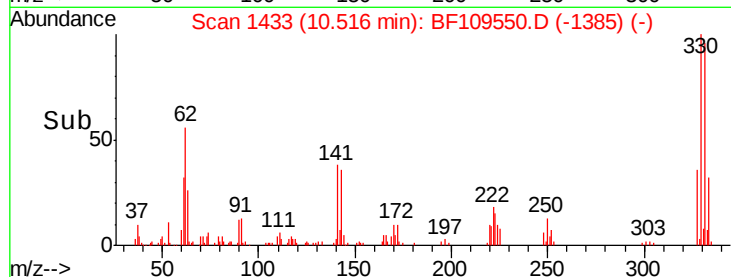
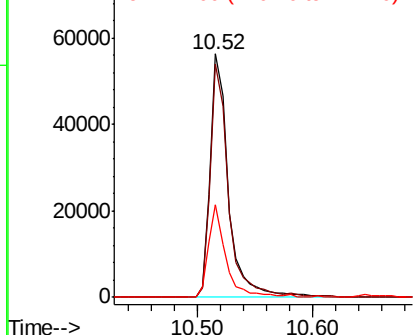
#41
 2,4,6-Tribromophenol
 Concen: 51.213 ng
 RT: 10.52 min Scan# 1433
 Delta R.T. -0.02 min
 Lab File: BF109550.D
 Acq: 3 Oct 2018 16:59

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:330 Resp: 62037
 Ion Ratio Lower Upper
 330 100
 332 96.3 77.0 115.6
 141 36.2 29.9 44.9

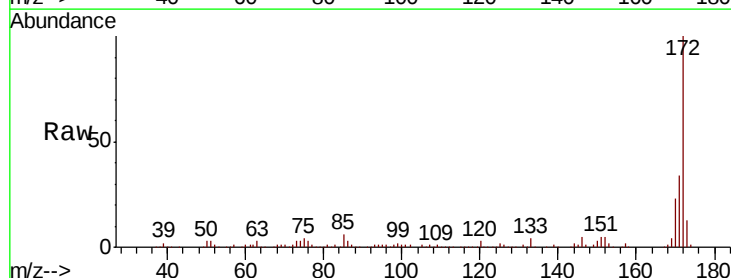


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

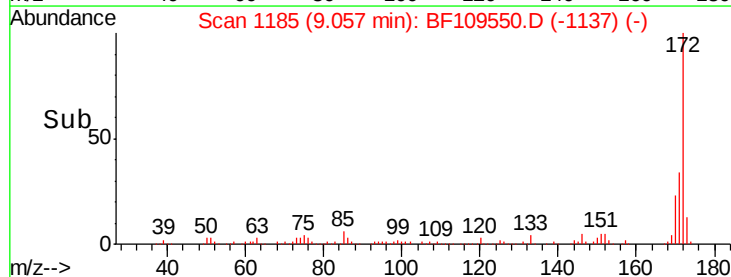
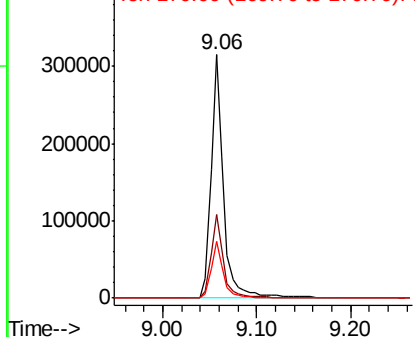


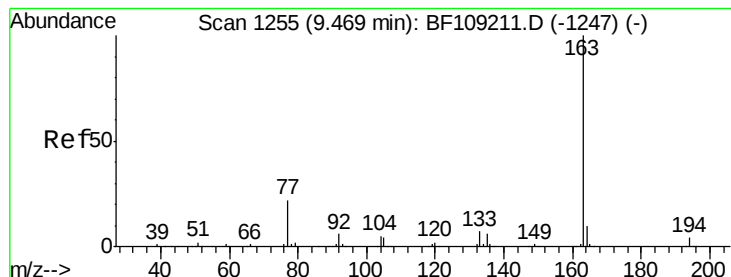
#44
 2-Fluorobiphenyl
 Concen: 36.517 ng
 RT: 9.06 min Scan# 1185
 Delta R.T. -0.02 min
 Lab File: BF109550.D
 Acq: 3 Oct 2018 16:59

Tgt Ion:172 Resp: 297520
 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: 10.013 ng

RT: 9.45 min Scan# 1252

Delta R.T. -0.03 min

Lab File: BF109550.D

Acq: 3 Oct 2018 16:59

Instrument :

BNA_F

ClientSampleId :

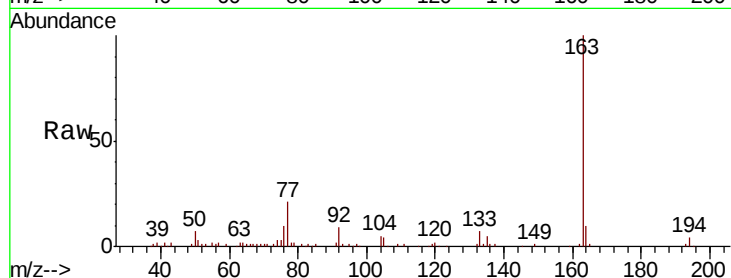
Tot Ion:163 Resp: 89490

Ion Ratio Lower Upper

163 100

194 4.1 2.7 4.1#

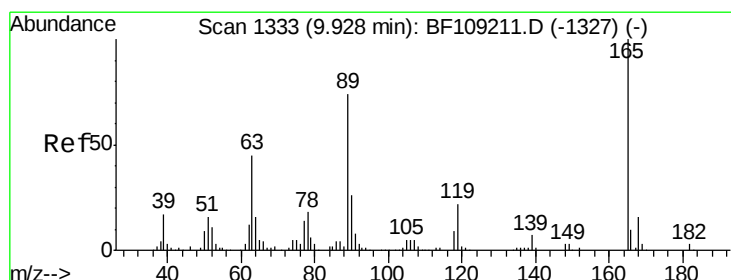
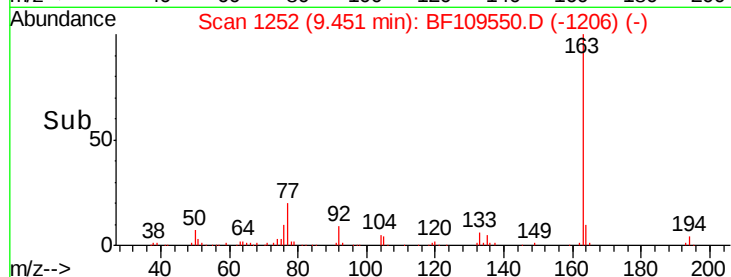
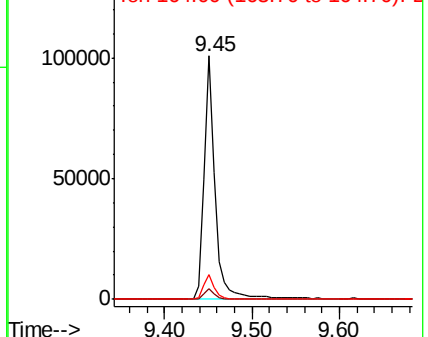
164 9.9 8.2 12.2



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



#56

2,4-Dinitrotoluene

Concen: 7.091 ng

RT: 9.73 min Scan# 1300

Delta R.T. -0.21 min

Lab File: BF109550.D

Acq: 3 Oct 2018 16:59

Tgt Ion:165 Resp: 15882

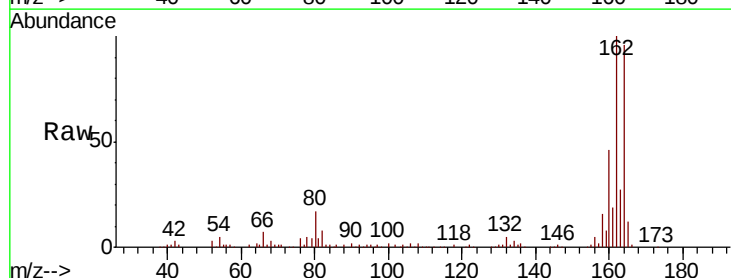
Ion Ratio Lower Upper

165 100

63 0.0 36.4 54.6#

89 0.0 57.8 86.6#

182 0.0 1.6 2.4#

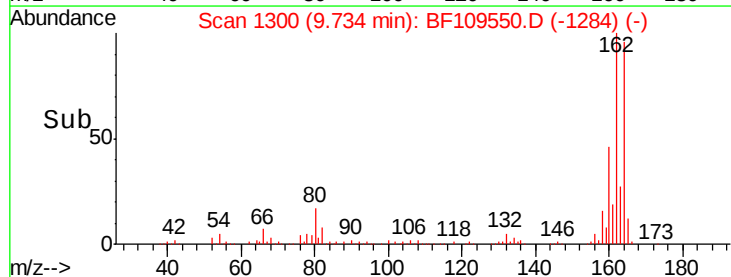
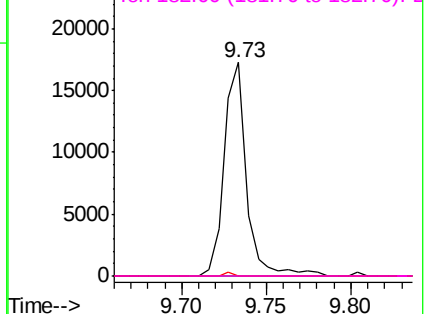


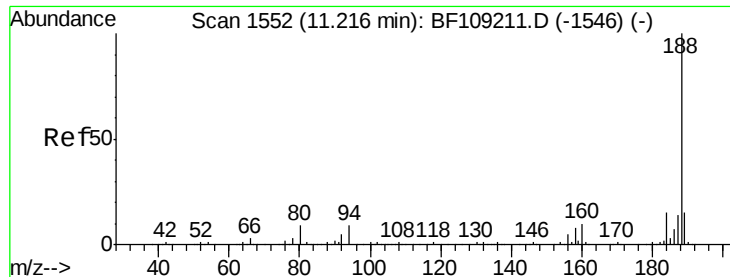
Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1

Ion 182.00 (181.70 to 182.70): E

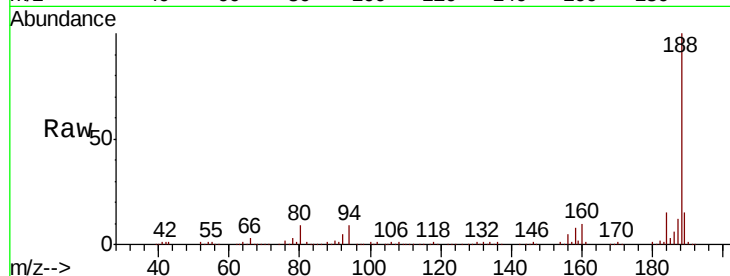




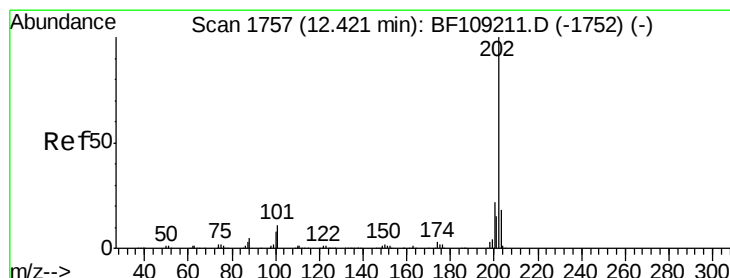
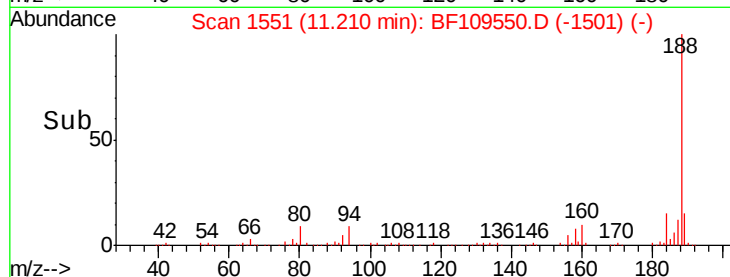
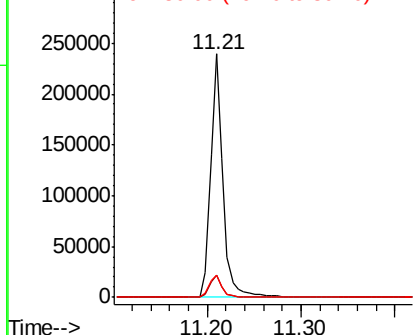
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.21 min Scan# 1551
Delta R.T. -0.01 min
Lab File: BF109550.D
Acq: 3 Oct 2018 16:59

Instrument :
BNA_F
ClientSampleId :

Tot Ion:188 Resp: 221626
Ion Ratio Lower Upper
188 100
94 8.9 8.5 12.7
80 9.3 9.2 13.8

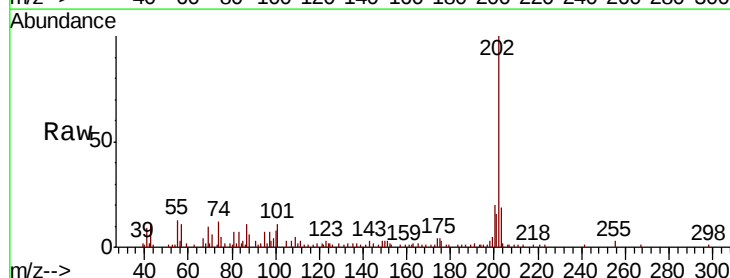


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF1
Ion 80.00 (79.70 to 80.70): BF1

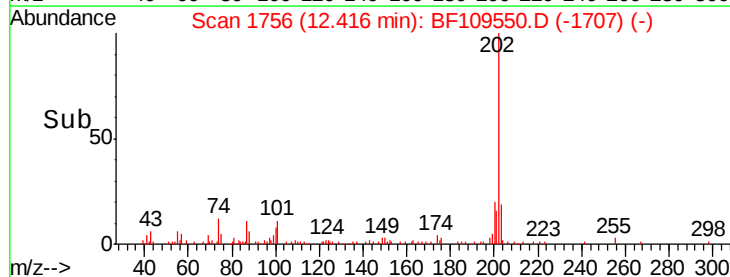
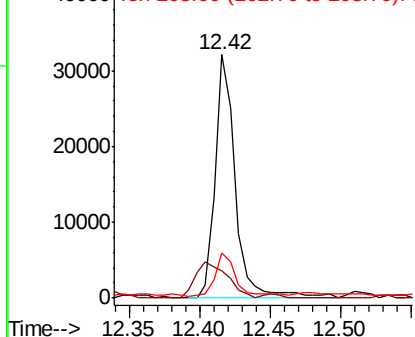


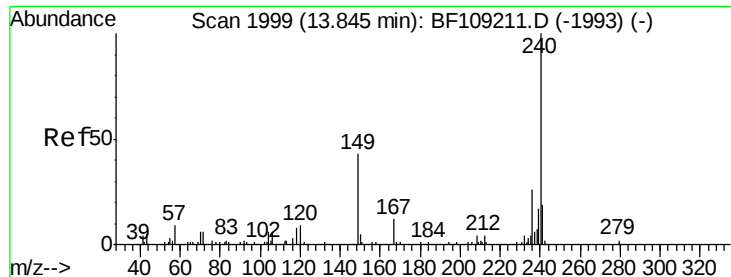
#74
Fluoranthene
Concen: 2.690 ng
RT: 12.42 min Scan# 1756
Delta R.T. -0.01 min
Lab File: BF109550.D
Acq: 3 Oct 2018 16:59

Tgt Ion:202 Resp: 31814
Ion Ratio Lower Upper
202 100
101 11.4 0.0 34.1
203 18.6 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: BF109550.D

Acq: 3 Oct 2018 16:59

Instrument :

BNA_F

ClientSampleId :

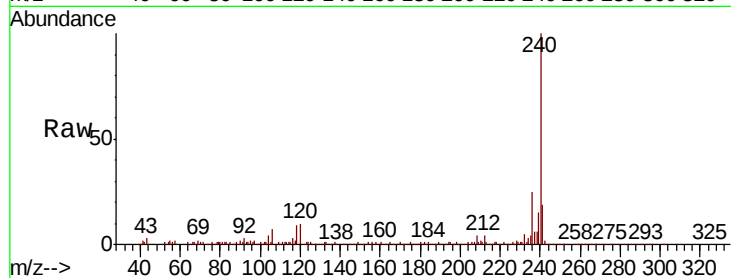
Tot Ion:240 Resp: 241694

Ion Ratio Lower Upper

240 100

120 10.4 9.5 14.3

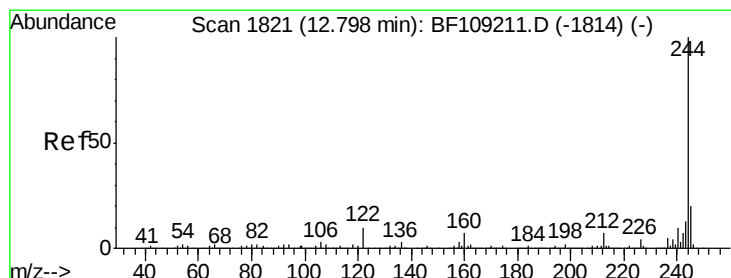
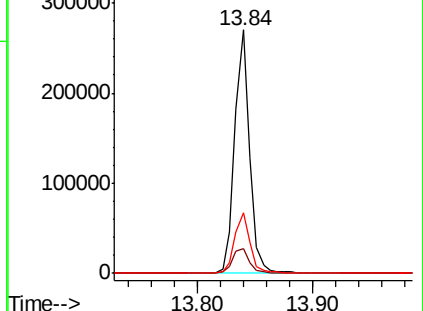
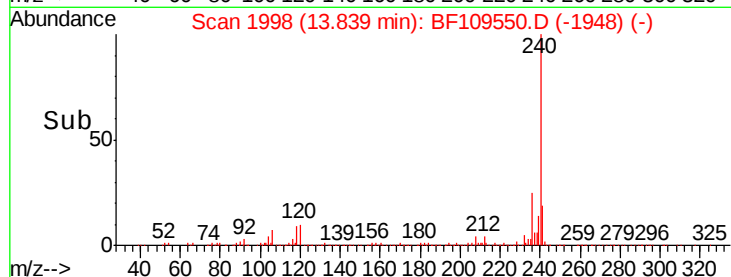
236 25.0 20.7 31.1



Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#78

Terphenyl-d14

Concen: 29.175 ng

RT: 12.79 min Scan# 1820

Delta R.T. -0.01 min

Lab File: BF109550.D

Acq: 3 Oct 2018 16:59

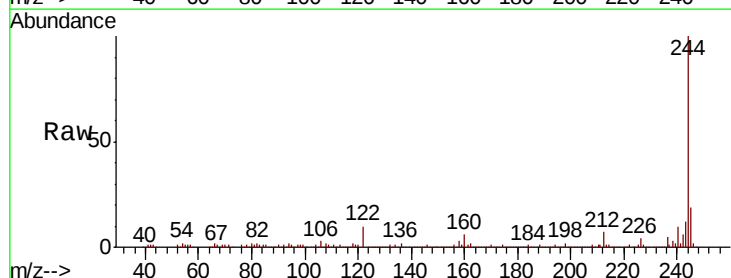
Tgt Ion:244 Resp: 287321

Ion Ratio Lower Upper

244 100

212 6.6 5.4 8.0

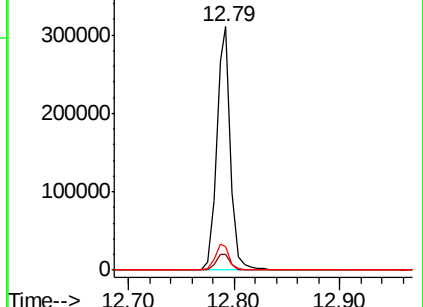
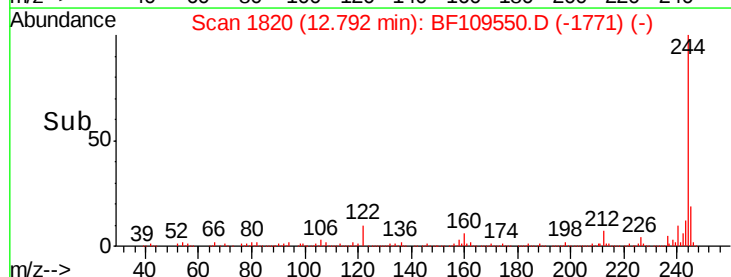
122 9.8 11.0 16.4#

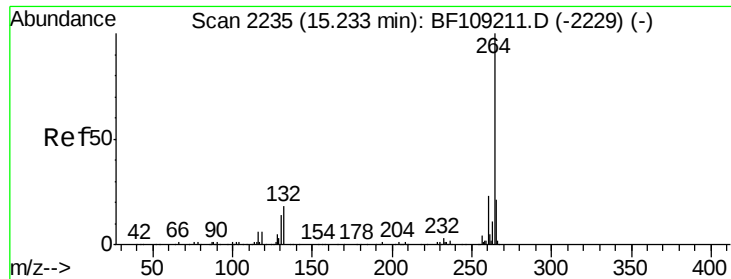


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

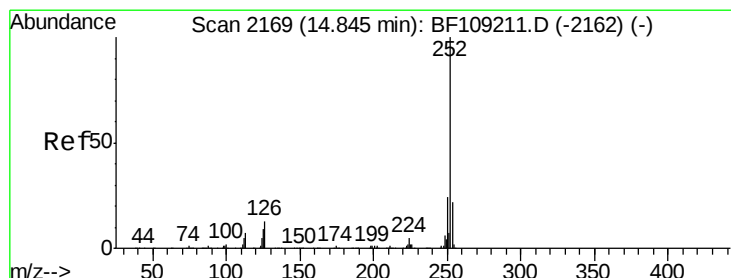
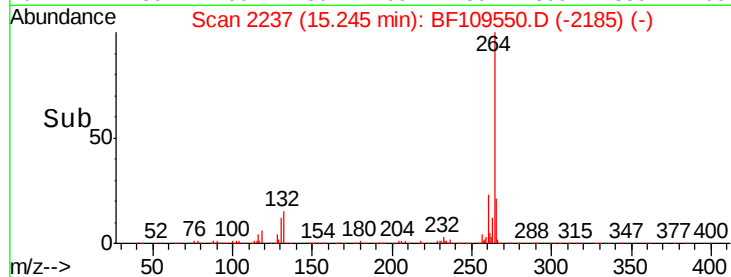
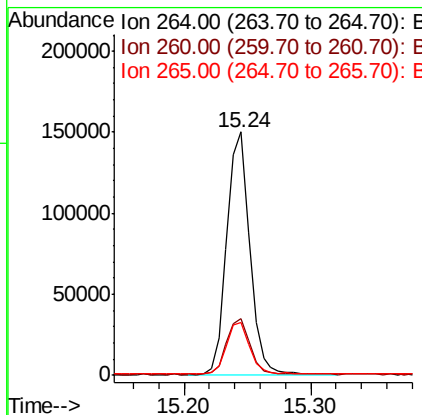
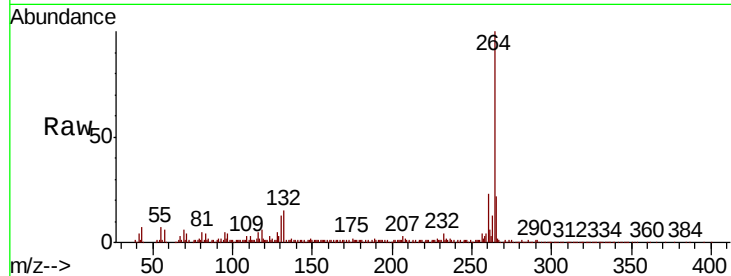




#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.24 min Scan# 2237
Delta R.T. 0.01 min
Lab File: BF109550.D
Acq: 3 Oct 2018 16:59

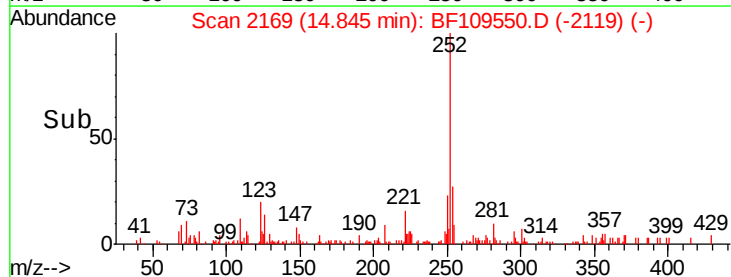
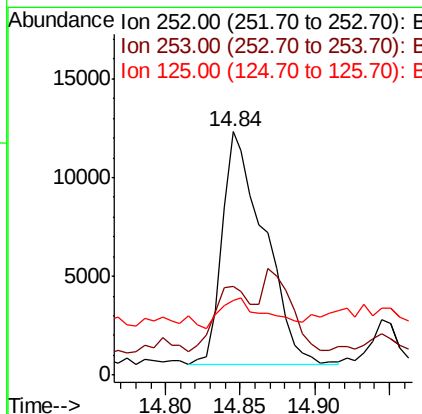
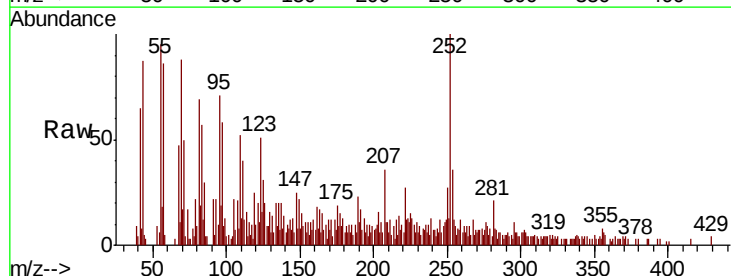
Instrument :
BNA_F
ClientSampleId :

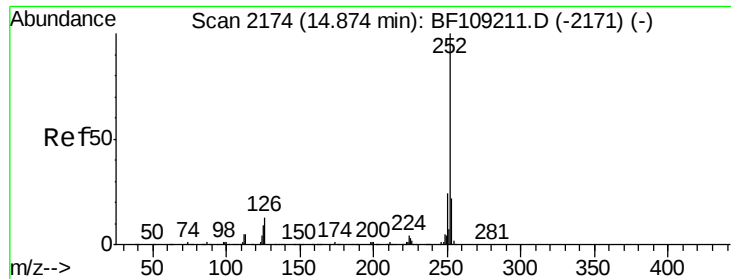
Tot Ion	Ratio	Lower	Upper
264	100		
260	23.3	19.2	28.8
265	21.7	17.5	26.3



#87
Benzo(b)fluoranthene
Concen: 2.226 ng
RT: 14.84 min Scan# 2169
Delta R.T. -0.01 min
Lab File: BF109550.D
Acq: 3 Oct 2018 16:59

Tgt Ion	Ratio	Lower	Upper
252	100		
253	36.3	17.0	25.6#
125	30.9	9.0	13.6#





#88

Benzo(k)fluoranthene

Concen: 2.346 ng

RT: 14.84 min Scan# 2169

Delta R.T. -0.04 min

Lab File: BF109550.D

Acq: 3 Oct 2018 16:59

Instrument :

BNA_F

ClientSampleId :

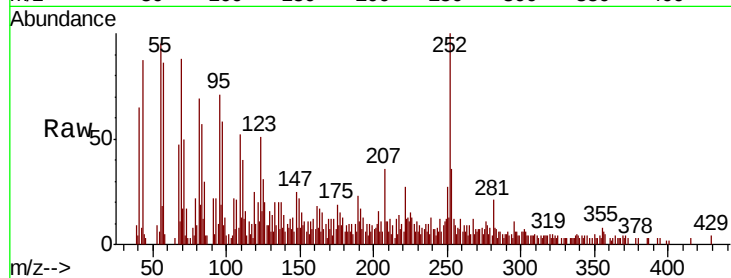
Tot Ion:252 Resp: 22990

Ion Ratio Lower Upper

252 100

253 36.3 17.9 26.9#

125 30.9 10.2 15.2#



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

