

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF100218\
 Data File : BF109502.D
 Acq On : 2 Oct 2018 15:37
 Operator : JU/SJ
 Sample : J5200-03 2X
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 OR-02-100118-B

Quant Time: Oct 03 03:07:12 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

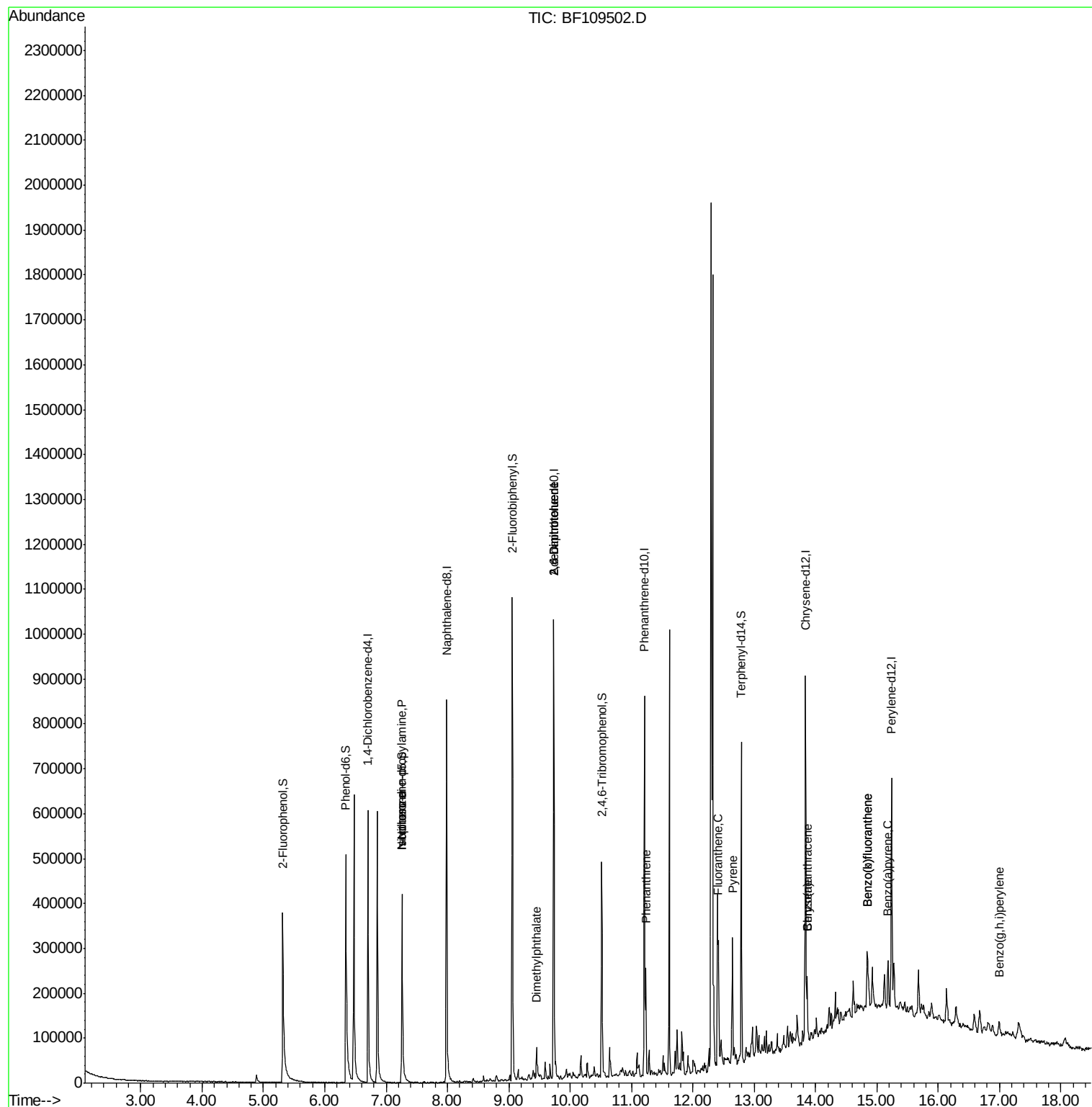
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.70	152	109302	20.00	ng	0.00
21) Naphthalene-d8	7.99	136	426778	20.00	ng	0.00
38) Acenaphthene-d10	9.73	164	193977	20.00	ng	0.00
63) Phenanthrene-d10	11.21	188	312625	20.00	ng	0.00
75) Chrysene-d12	13.84	240	253812	20.00	ng	0.00
86) Perylene-d12	15.24	264	251620	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.32	112	194159	29.26	ng	0.00
7) Phenol-d6	6.35	99	270036	31.89	ng	-0.01
23) Nitrobenzene-d5	7.26	82	168359	23.29	ng	-0.02
41) 2,4,6-Tribromophenol	10.52	330	57513	30.08	ng	-0.02
44) 2-Fluorobiphenyl	9.06	172	335413	26.08	ng	-0.02
78) Terphenyl-d14	12.79	244	244592	23.65	ng	-0.01
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.26	70	22744	4.099	ng	# 78
25) Isophorone	7.26	82	158091	12.143	ng	# 64
49) Dimethylphthalate	9.45	163	29469	2.089	ng	100
50) 2,6-Dinitrotoluene	9.73	165	25262	9.041	ng	# 25
56) 2,4-Dinitrotoluene	9.73	165	25262	7.145	ng	# 23
70) Phenanthrene	11.23	178	77773	4.982	ng	99
74) Fluoranthene	12.42	202	101746	6.099	ng	98
77) Pyrene	12.64	202	114548	6.297	ng	97
80) Benzo(a)anthracene	13.86	228	52318	3.422	ng	95
82) Chrysene	13.86	228	52318	3.453	ng	96
87) Benzo(b)fluoranthene	14.84	252	83652	6.050	ng	94
88) Benzo(k)fluoranthene	14.84	252	83652	6.376	ng	96
89) Benzo(a)pyrene	15.18	252	47167	3.786	ng	95
91) Benzo(g,h,i)perylene	17.00	276	25674	2.556	ng	# 90

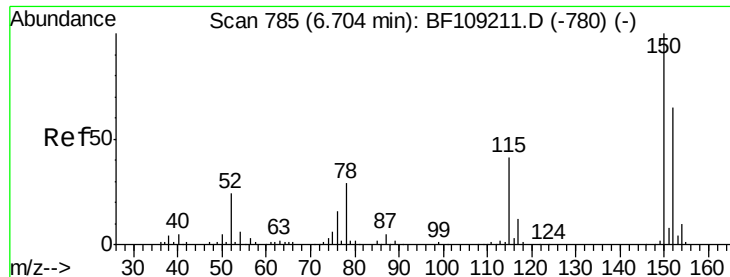
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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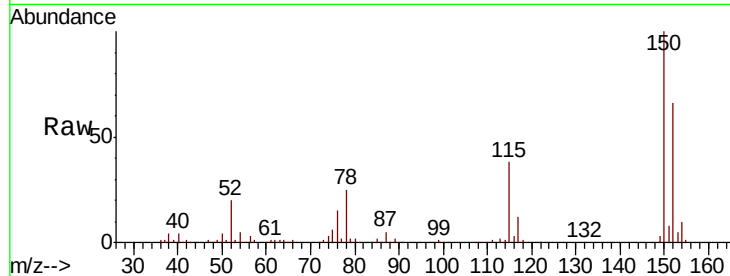




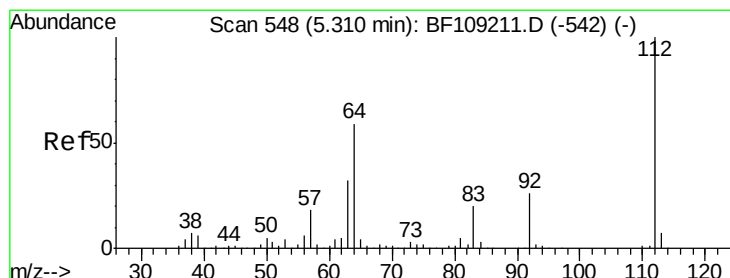
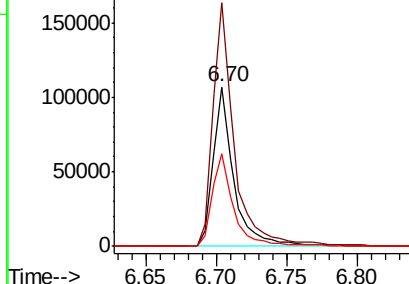
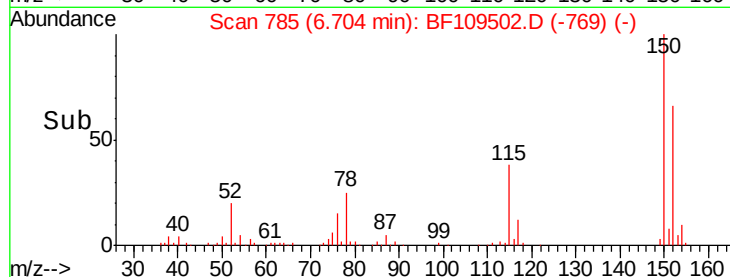
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.70 min Scan# 785
 Delta R.T. -0.01 min
 Lab File: BF109502.D
 Acq: 2 Oct 2018 15:37

Instrument :
 BNA_F
 ClientSampleId :
 OR-02-100118-B

Tgt Ion:152 Resp: 109302
 Ion Ratio Lower Upper
 152 100
 150 152.5 124.6 186.8
 115 58.3 50.1 75.1

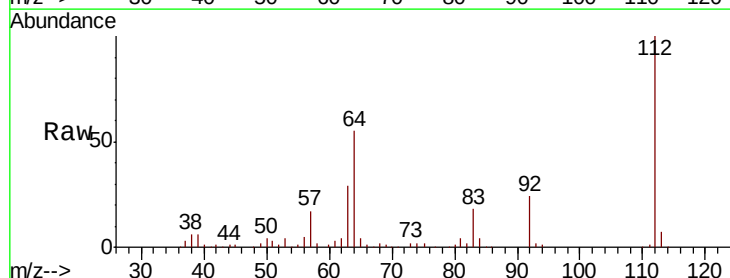


Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E

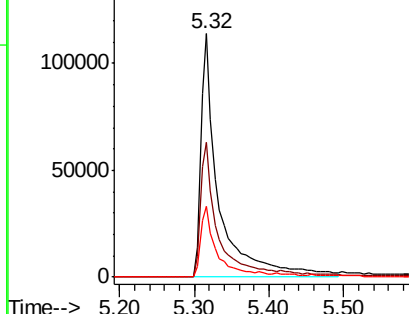
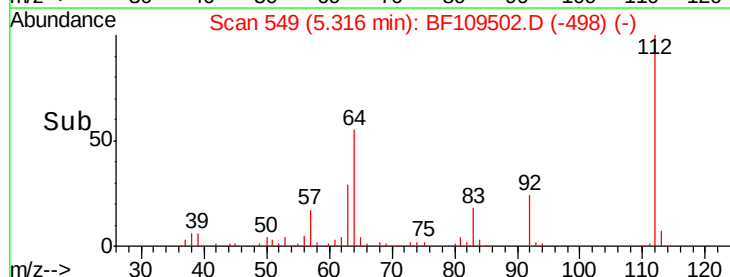


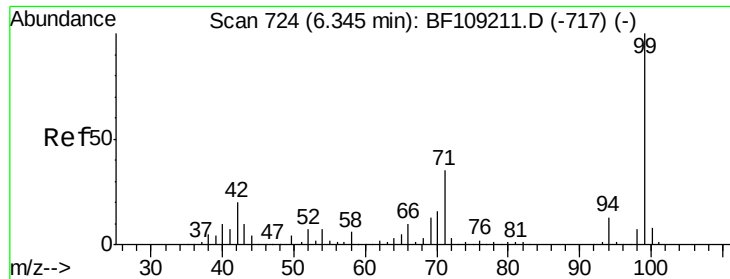
#5
 2-Fluorophenol
 Concen: 29.258 ng
 RT: 5.32 min Scan# 549
 Delta R.T. -0.00 min
 Lab File: BF109502.D
 Acq: 2 Oct 2018 15:37

Tgt Ion:112 Resp: 194159
 Ion Ratio Lower Upper
 112 100
 64 55.2 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: 31.889 ng

RT: 6.35 min Scan# 724

Delta R.T. -0.01 min

Lab File: BF109502.D

Acq: 2 Oct 2018 15:37

Instrument :

BNA_F

ClientSampleId :

OR-02-100118-B

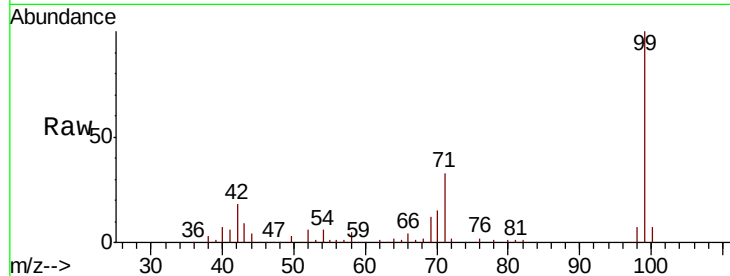
Tgt Ion: 99 Resp: 270036

Ion Ratio Lower Upper

99 100

42 17.5 14.5 21.7

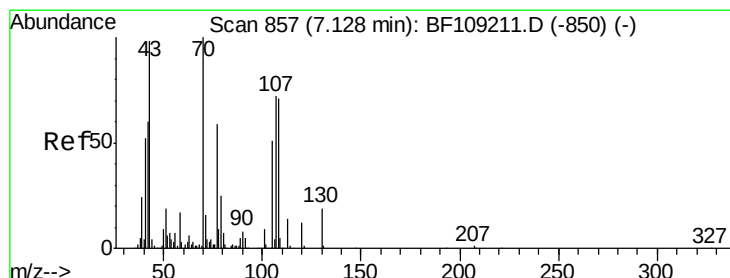
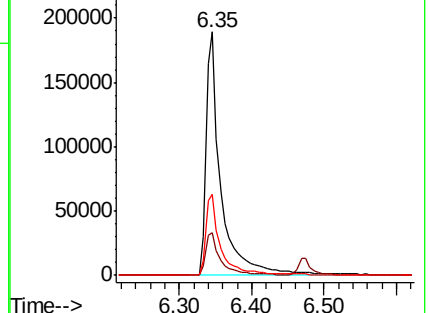
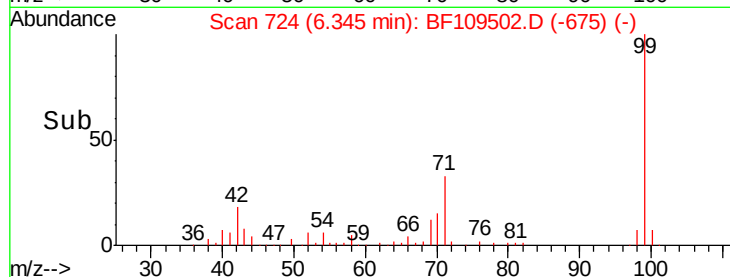
71 33.2 25.4 38.0



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: 4.099 ng

RT: 7.26 min Scan# 880

Delta R.T. 0.12 min

Lab File: BF109502.D

Acq: 2 Oct 2018 15:37

Tgt Ion: 70 Resp: 22744

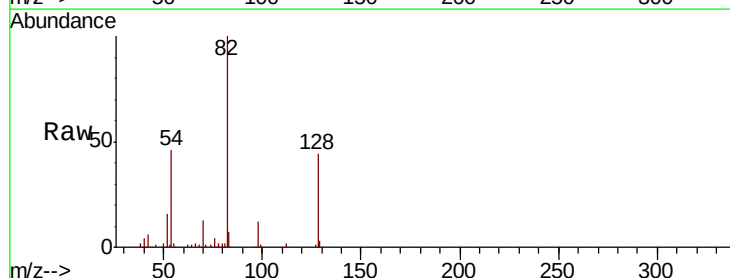
Ion Ratio Lower Upper

70 100

42 47.9 47.5 71.3

101 0.0 7.4 11.2#

130 2.4 16.6 25.0#

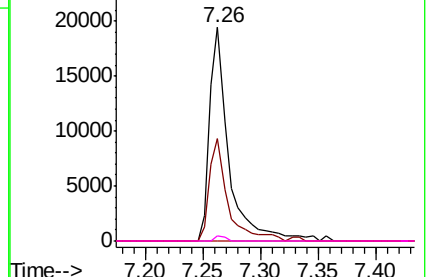
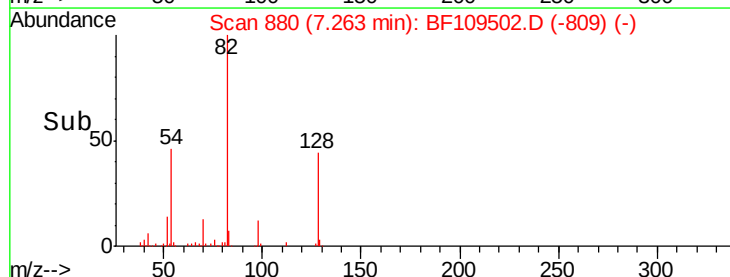


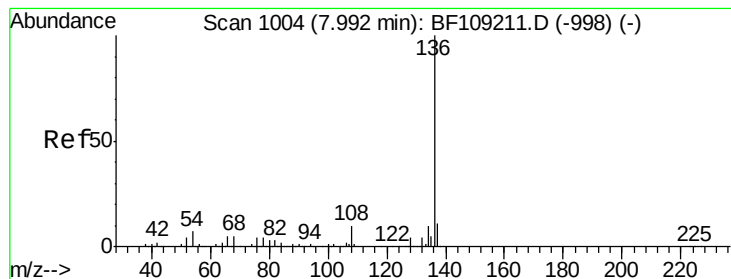
Abundance Ion 70.00 (69.70 to 70.70): BF1

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: BF109502.D

Acq: 2 Oct 2018 15:37

Instrument :

BNA_F

ClientSampleId :

OR-02-100118-B

Tgt Ion:136 Resp: 426778

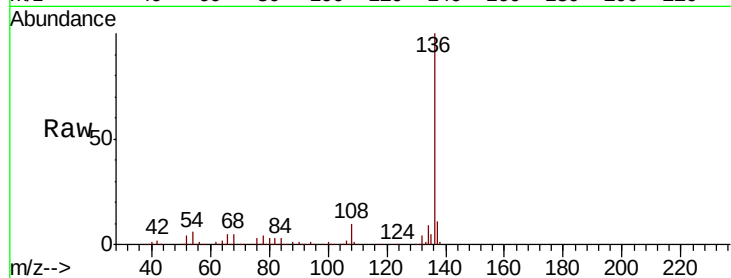
Ion Ratio Lower Upper

136 100

137 10.8 8.9 13.3

54 6.5 6.6 9.8#

68 5.3 5.0 7.4

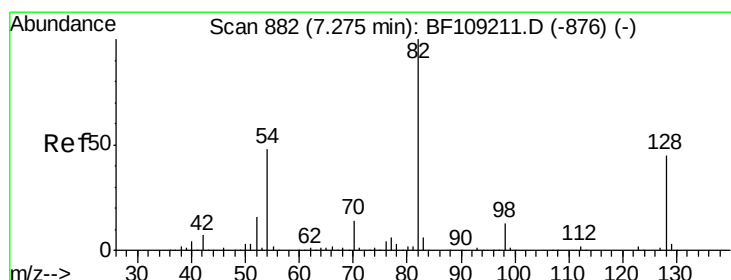
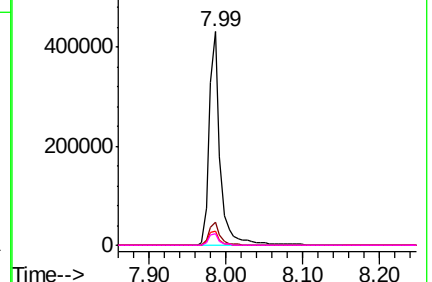
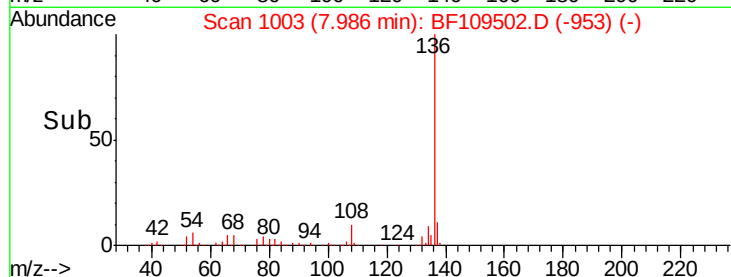


Abundance Ion 136.00 (135.70 to 136.70): E

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: 23.287 ng

RT: 7.26 min Scan# 880

Delta R.T. -0.02 min

Lab File: BF109502.D

Acq: 2 Oct 2018 15:37

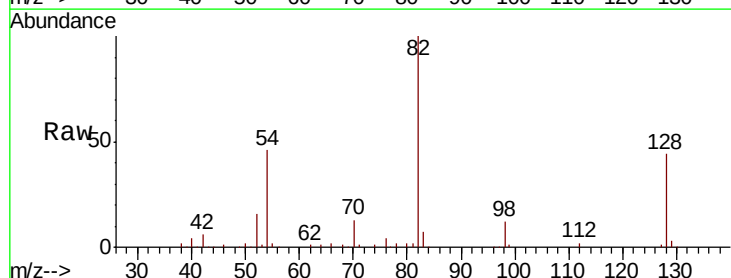
Tgt Ion: 82 Resp: 168359

Ion Ratio Lower Upper

82 100

128 44.3 36.1 54.1

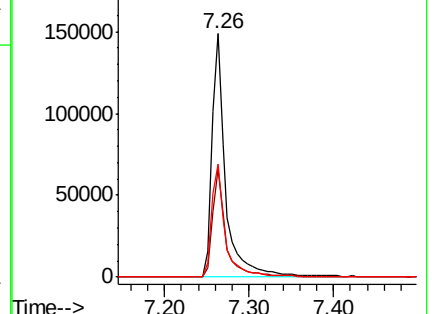
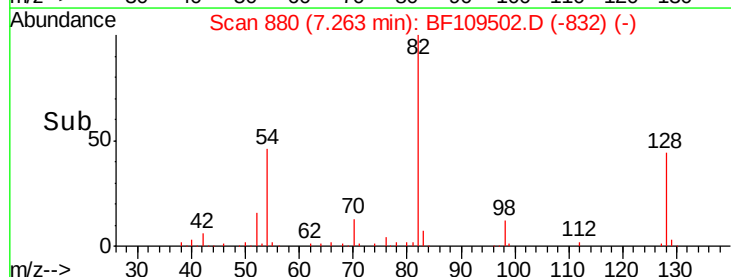
54 46.2 41.4 62.2

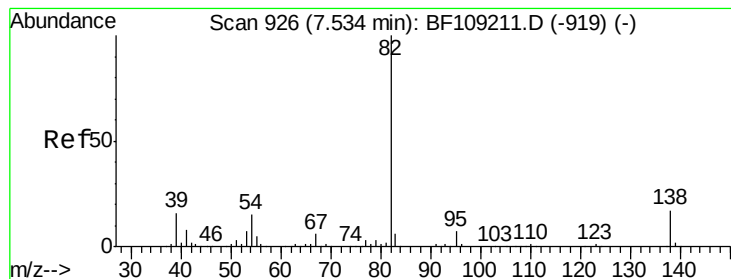


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 12.143 ng

RT: 7.26 min Scan# 880

Delta R.T. -0.28 min

Lab File: BF109502.D

Acq: 2 Oct 2018 15:37

Instrument :

BNA_F

ClientSampleId :

OR-02-100118-B

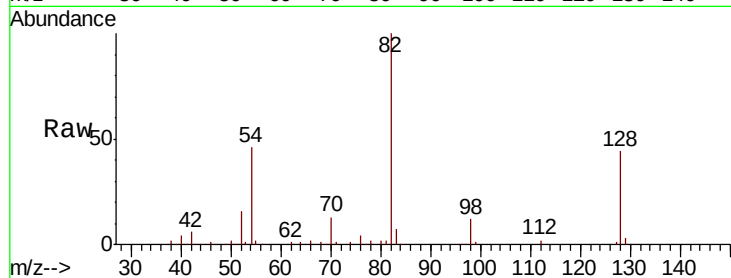
Tgt Ion: 82 Resp: 158091

Ion Ratio Lower Upper

82 100

95 0.0 5.2 7.8#

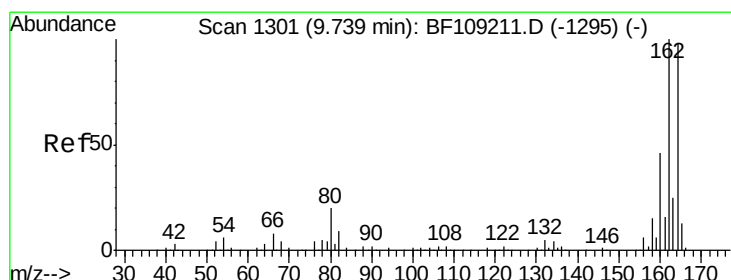
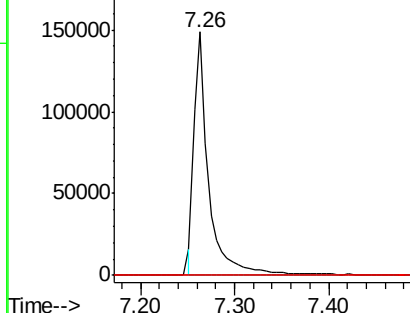
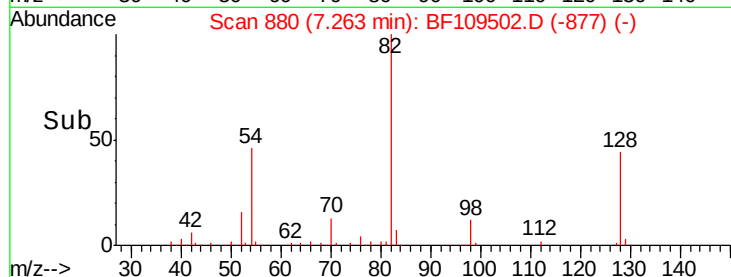
138 0.0 14.9 22.3#



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: BF109502.D

Acq: 2 Oct 2018 15:37

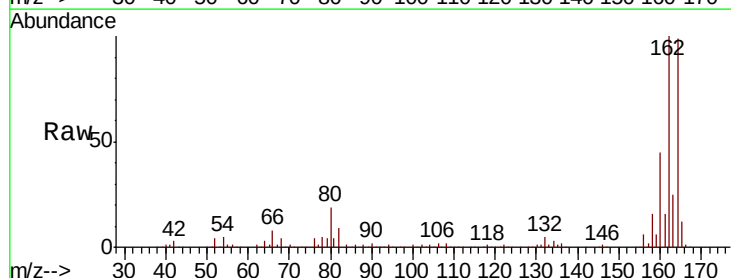
Tgt Ion: 164 Resp: 193977

Ion Ratio Lower Upper

164 100

162 101.5 86.1 129.1

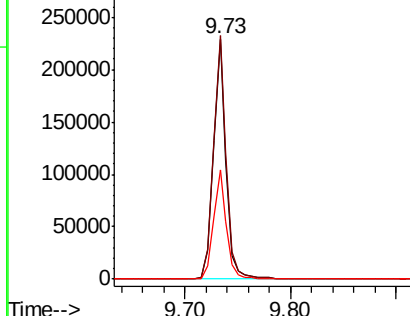
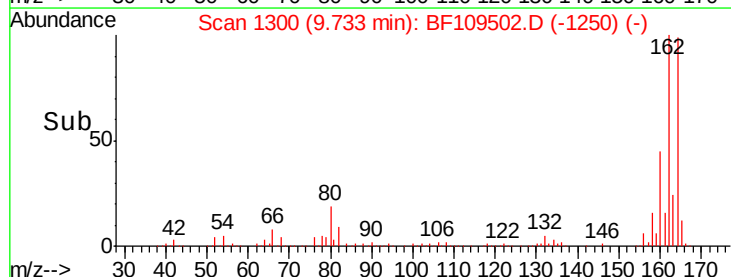
160 45.8 38.3 57.5

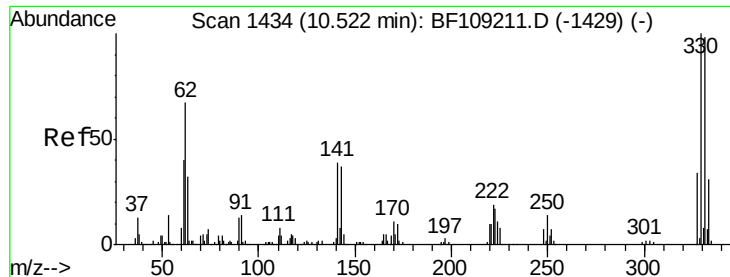


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

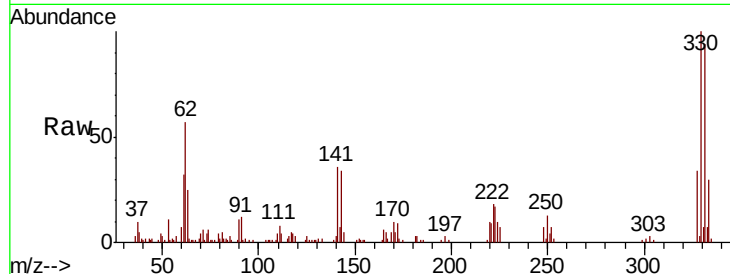




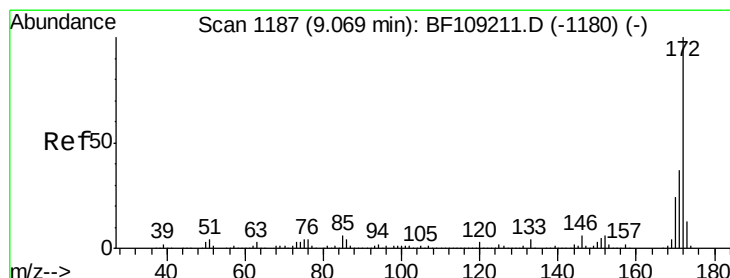
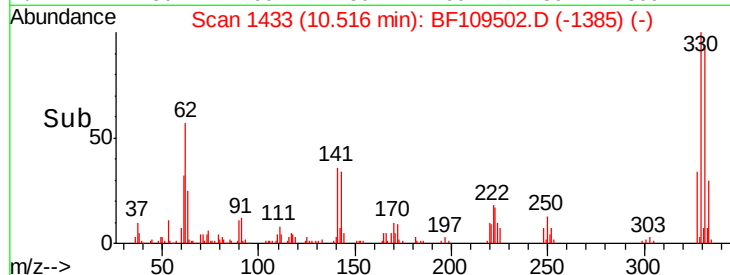
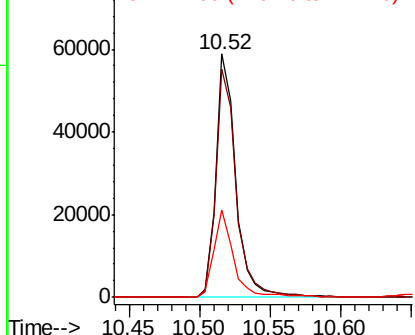
#41
 2,4,6-Tribromophenol
 Concen: 30.077 ng
 RT: 10.52 min Scan# 1433
 Delta R.T. -0.02 min
 Lab File: BF109502.D
 Acq: 2 Oct 2018 15:37

Instrument :
 BNA_F
 ClientSampleId :
 OR-02-100118-B

Tgt Ion:330 Resp: 57513
 Ion Ratio Lower Upper
 330 100
 332 96.4 77.0 115.6
 141 35.9 29.9 44.9

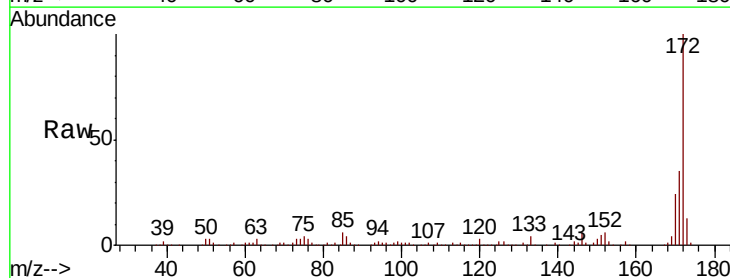


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

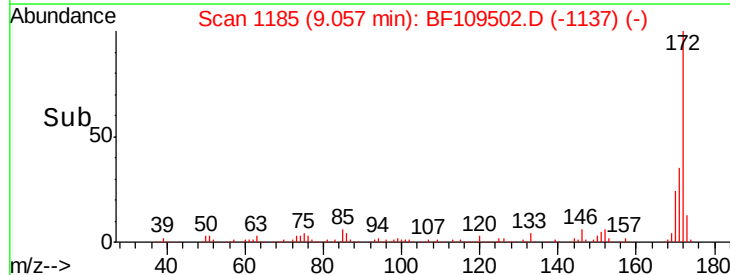
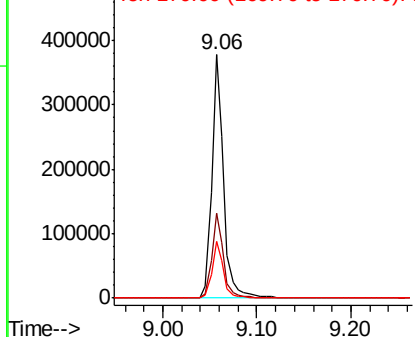


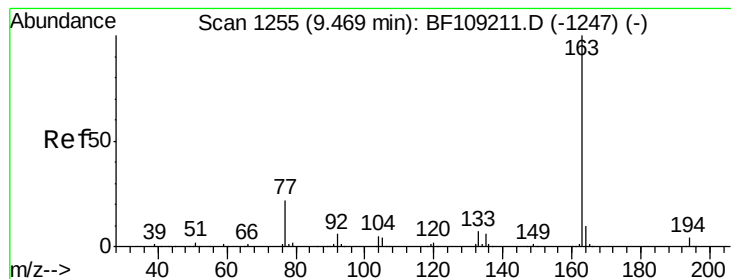
#44
 2-Fluorobiphenyl
 Concen: 26.079 ng
 RT: 9.06 min Scan# 1185
 Delta R.T. -0.02 min
 Lab File: BF109502.D
 Acq: 2 Oct 2018 15:37

Tgt Ion:172 Resp: 335413
 Ion Ratio Lower Upper
 172 100
 171 34.7 29.7 44.5
 170 23.5 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: 2.089 ng

RT: 9.45 min Scan# 1252

Delta R.T. -0.03 min

Lab File: BF109502.D

Acq: 2 Oct 2018 15:37

Instrument :

BNA_F

ClientSampleId :

OR-02-100118-B

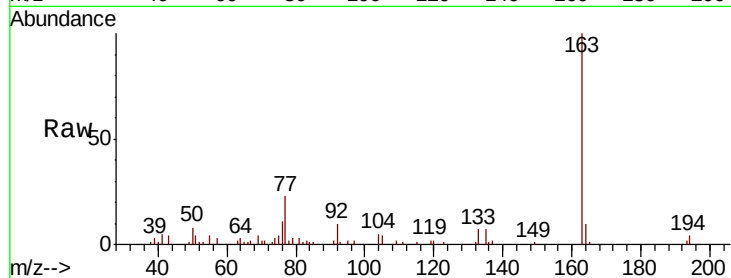
Tgt Ion:163 Resp: 29469

Ion Ratio Lower Upper

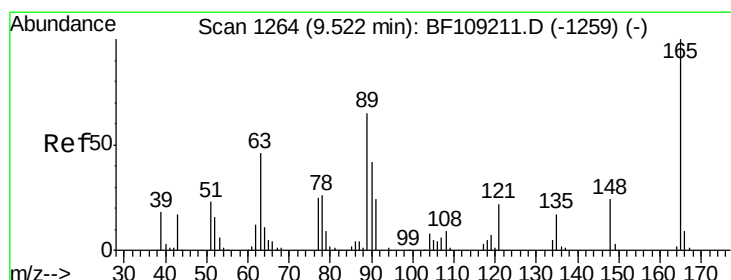
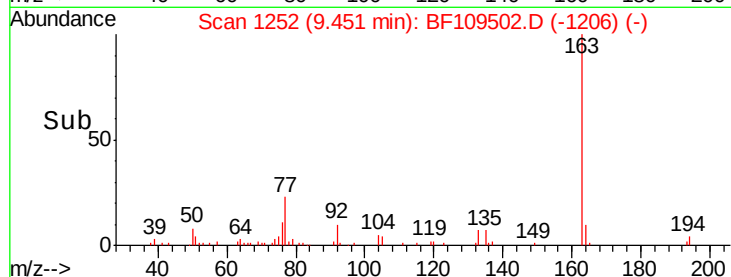
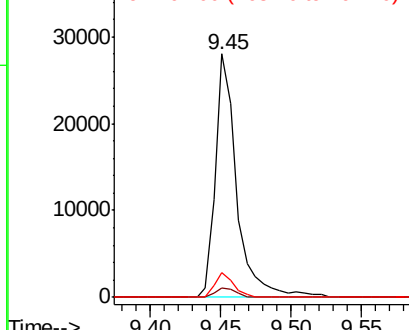
163 100

194 3.8 2.7 4.1

164 10.2 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



#50

2,6-Dinitrotoluene

Concen: 9.041 ng

RT: 9.73 min Scan# 1300

Delta R.T. 0.20 min

Lab File: BF109502.D

Acq: 2 Oct 2018 15:37

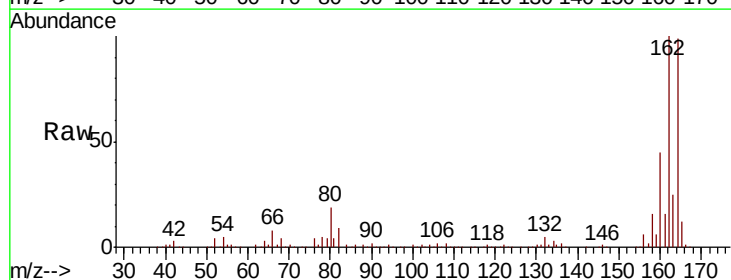
Tgt Ion:165 Resp: 25262

Ion Ratio Lower Upper

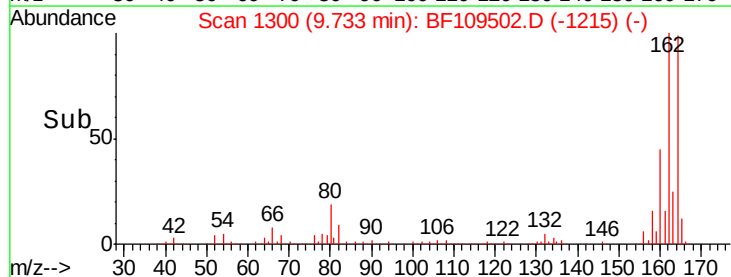
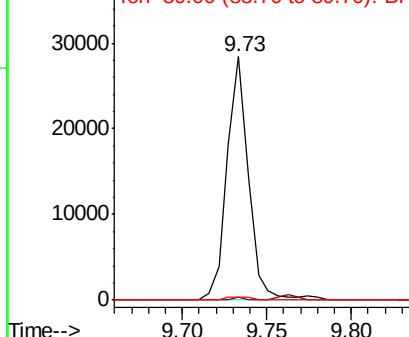
165 100

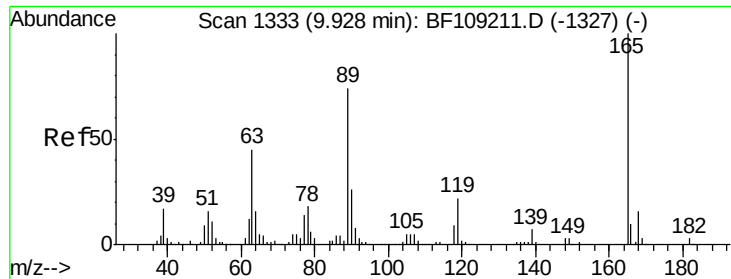
63 1.1 44.7 67.1#

89 1.4 44.0 66.0#



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

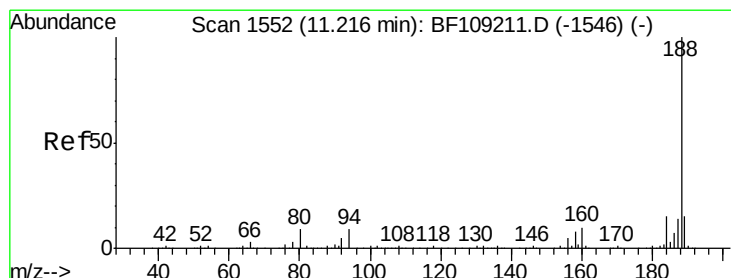
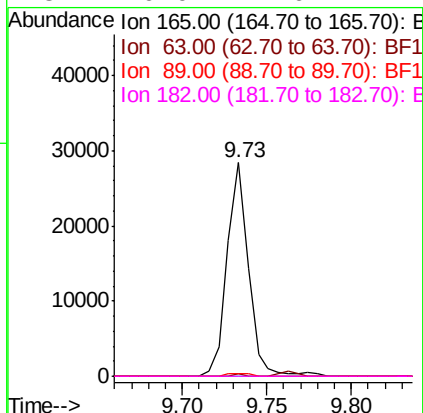
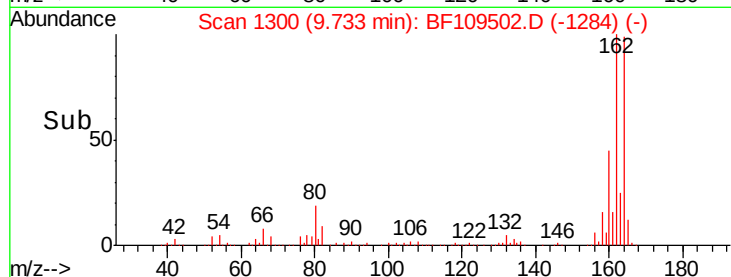
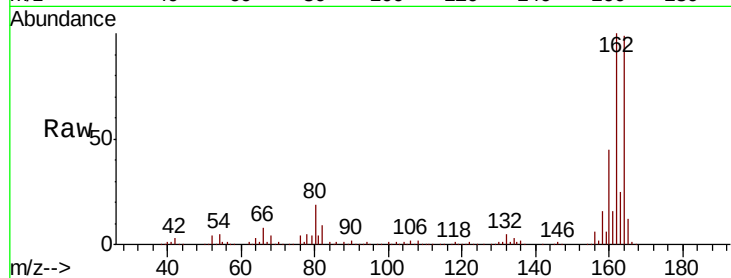




#56
 2,4-Dinitrotoluene
 Concen: 7.145 ng
 RT: 9.73 min Scan# 1300
 Delta R.T. -0.21 min
 Lab File: BF109502.D
 Acq: 2 Oct 2018 15:37

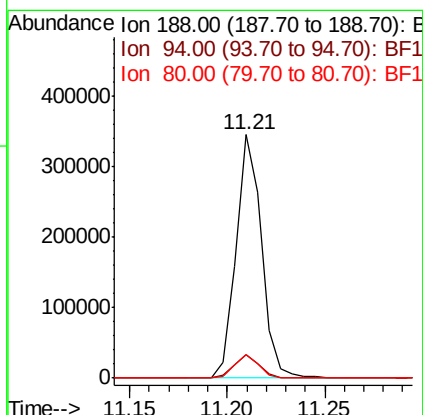
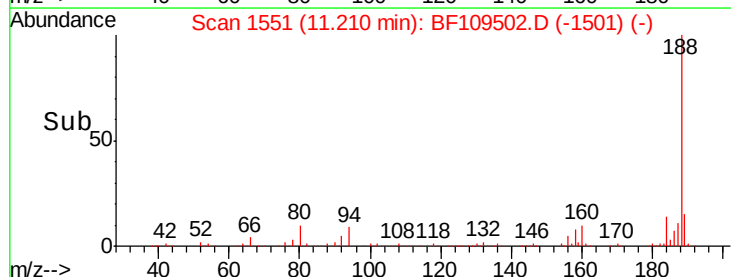
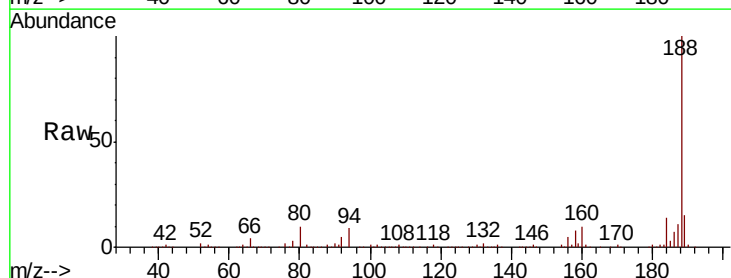
Instrument :
 BNA_F
 ClientSampleId :
 OR-02-100118-B

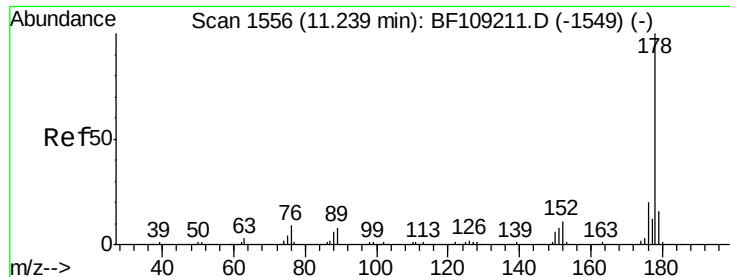
Tgt Ion:	165	Resp:	25262
Ion	Ratio	Lower	Upper
165	100		
63	1.1	36.4	54.6#
89	1.4	57.8	86.6#
182	0.0	1.6	2.4#



#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.21 min Scan# 1551
 Delta R.T. -0.01 min
 Lab File: BF109502.D
 Acq: 2 Oct 2018 15:37

Tgt Ion:	188	Resp:	312625
Ion	Ratio	Lower	Upper
188	100		
94	9.4	8.5	12.7
80	9.9	9.2	13.8





#70

Phenanthrene

Concen: 4.982 ng

RT: 11.23 min Scan# 1555

Delta R.T. -0.01 min

Lab File: BF109502.D

Acq: 2 Oct 2018 15:37

Instrument :

BNA_F

ClientSampleId :

OR-02-100118-B

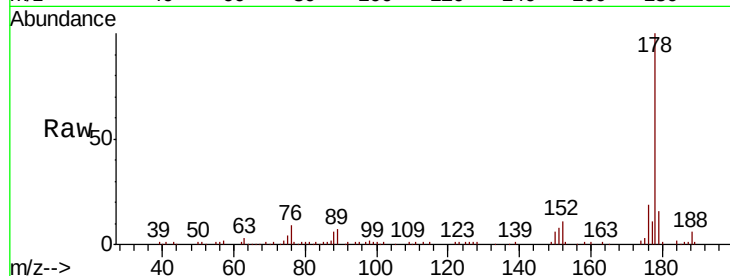
Tgt Ion:178 Resp: 77773

Ion Ratio Lower Upper

178 100

176 19.3 15.8 23.8

179 15.7 13.0 19.6

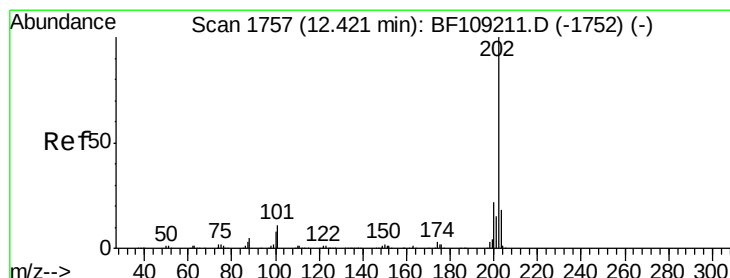
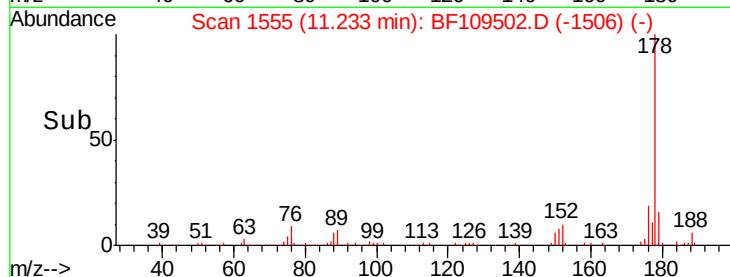
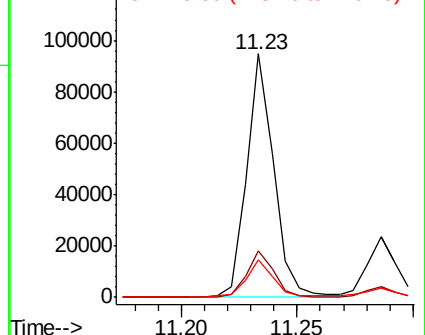


Abundance

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: 6.099 ng

RT: 12.42 min Scan# 1756

Delta R.T. -0.01 min

Lab File: BF109502.D

Acq: 2 Oct 2018 15:37

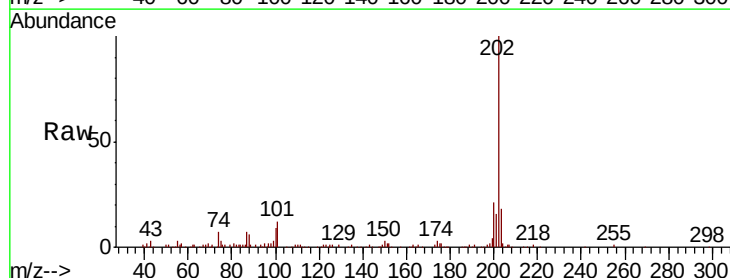
Tgt Ion:202 Resp: 101746

Ion Ratio Lower Upper

202 100

101 12.3 0.0 34.1

203 18.2 0.0 38.1

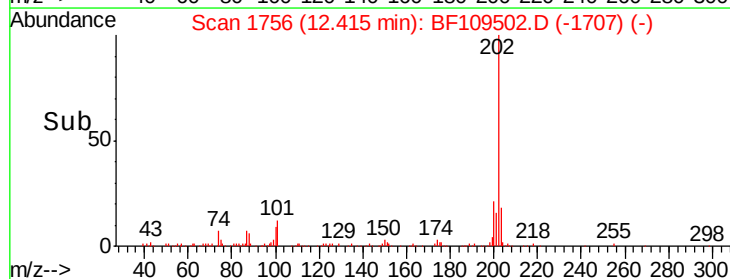
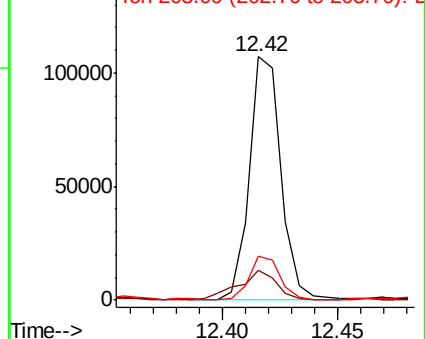


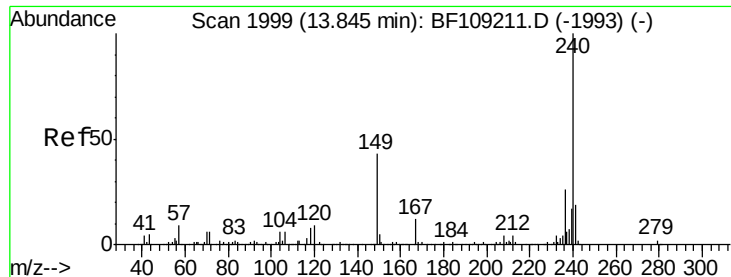
Abundance

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: BF109502.D

Acq: 2 Oct 2018 15:37

Instrument :

BNA_F

ClientSampleId :

OR-02-100118-B

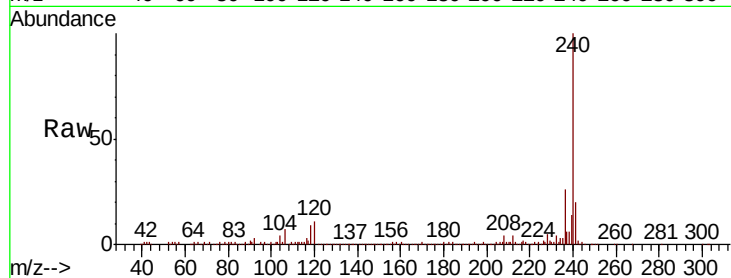
Tgt Ion:240 Resp: 253812

Ion Ratio Lower Upper

240 100

120 10.9 9.5 14.3

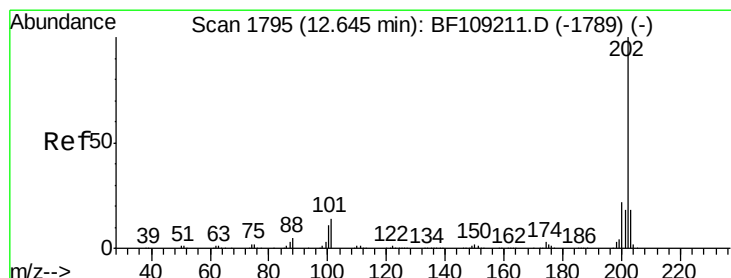
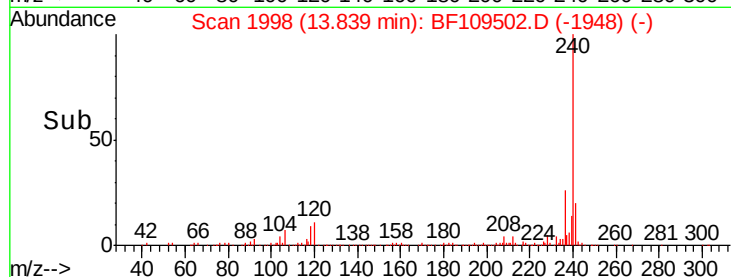
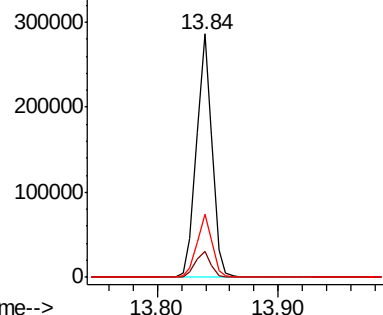
236 25.8 20.7 31.1



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

Pyrene

Concen: 6.297 ng

RT: 12.64 min Scan# 1795

Delta R.T. -0.01 min

Lab File: BF109502.D

Acq: 2 Oct 2018 15:37

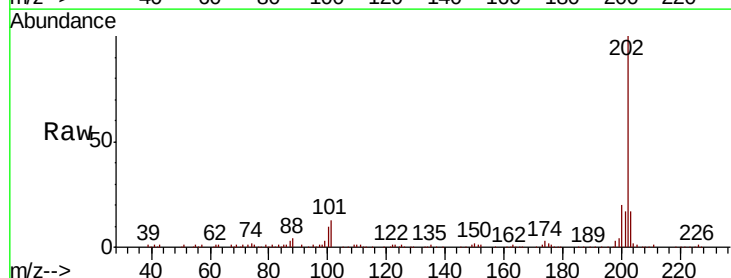
Tgt Ion:202 Resp: 114548

Ion Ratio Lower Upper

202 100

200 19.7 17.4 26.2

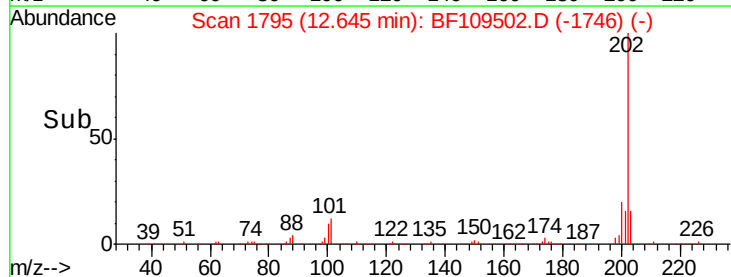
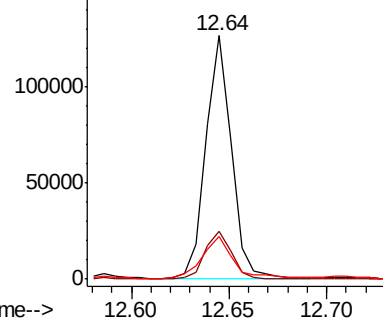
203 17.5 14.3 21.5

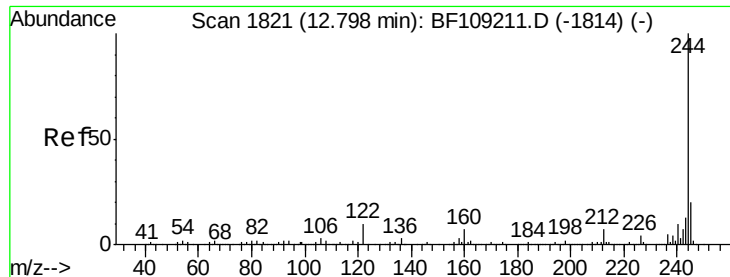


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 23.650 ng

RT: 12.79 min Scan# 1820

Delta R.T. -0.01 min

Lab File: BF109502.D

Acq: 2 Oct 2018 15:37

Instrument :

BNA_F

ClientSampleId :

OR-02-100118-B

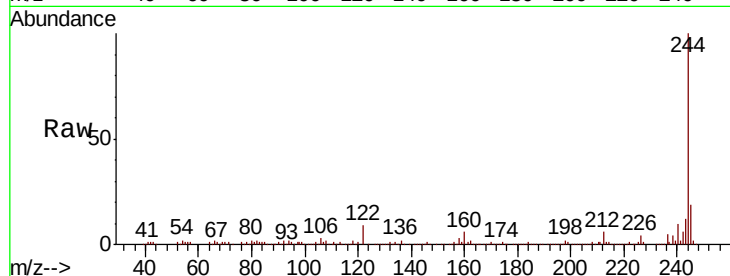
Tgt Ion:244 Resp: 244592

Ion Ratio Lower Upper

244 100

212 6.3 5.4 8.0

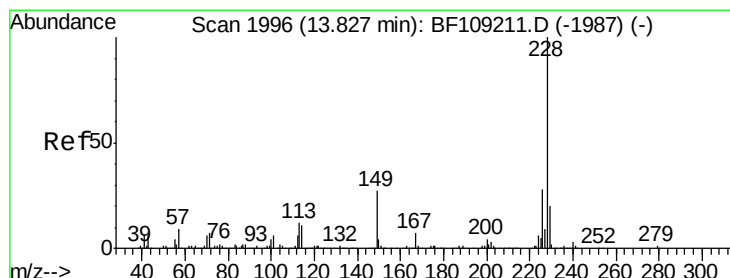
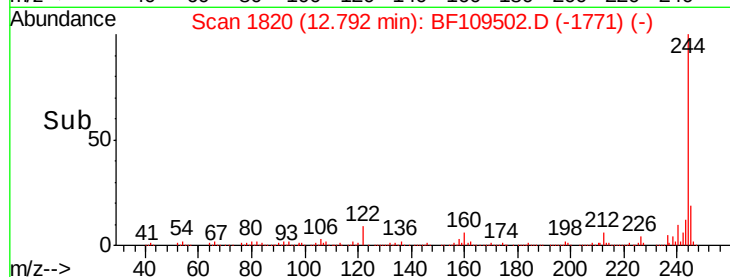
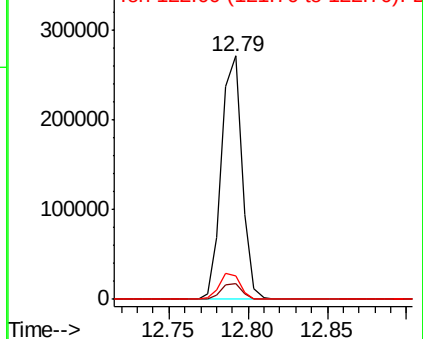
122 9.4 11.0 16.4#



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: 3.422 ng

RT: 13.86 min Scan# 2002

Delta R.T. 0.03 min

Lab File: BF109502.D

Acq: 2 Oct 2018 15:37

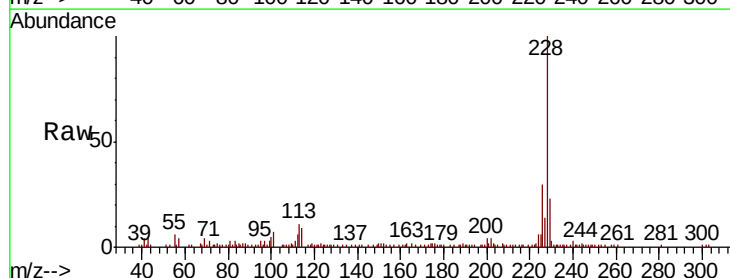
Tgt Ion:228 Resp: 52318

Ion Ratio Lower Upper

228 100

226 30.1 22.6 33.8

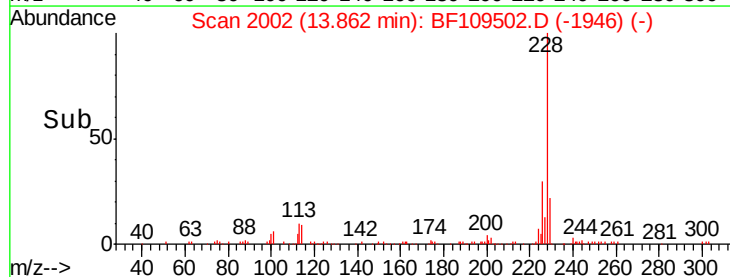
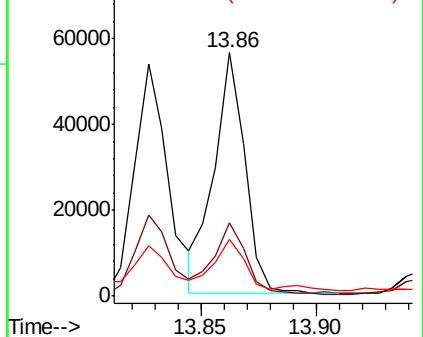
229 23.3 15.8 23.6

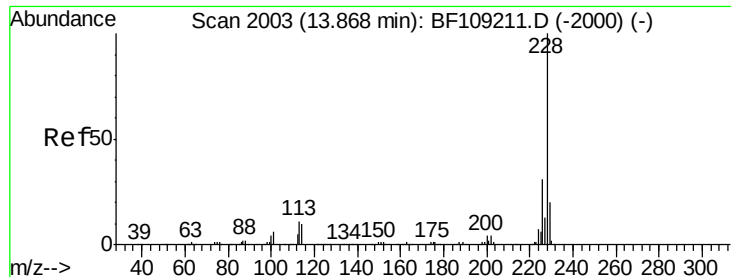


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

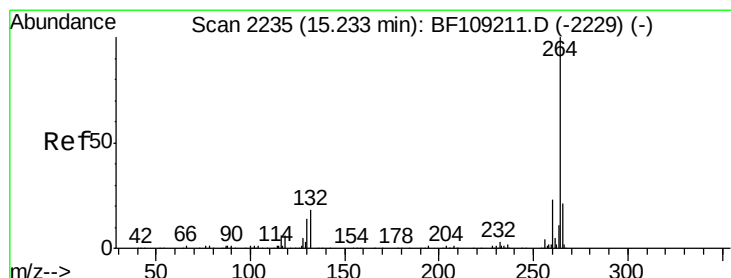
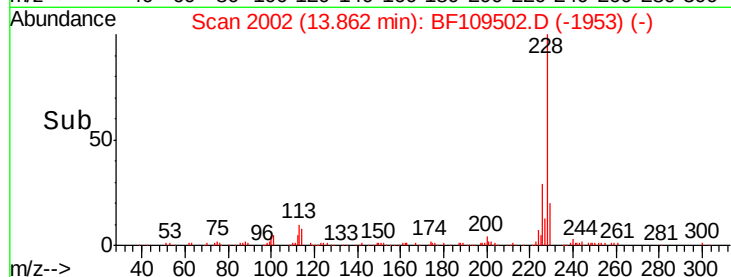
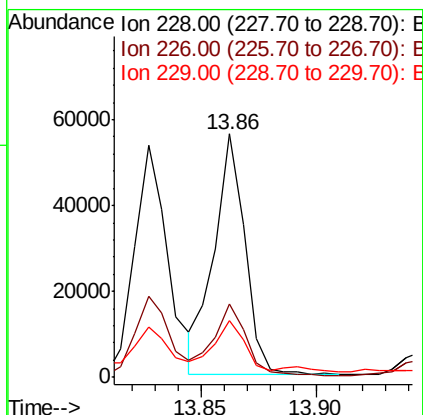
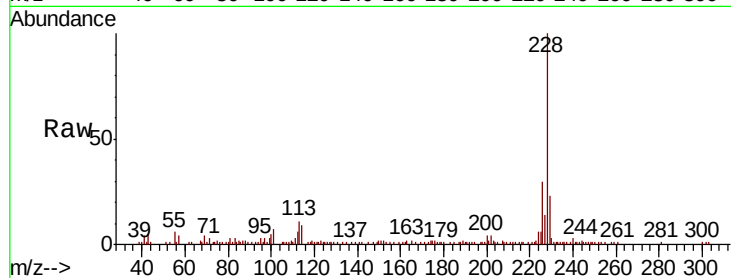




#82
Chrysene
Concen: 3.453 ng
RT: 13.86 min Scan# 2002
Delta R.T. -0.01 min
Lab File: BF109502.D
Acq: 2 Oct 2018 15:37

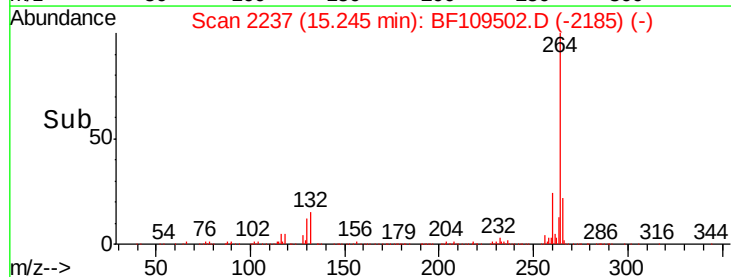
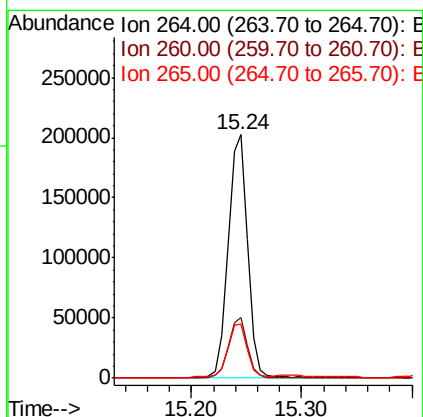
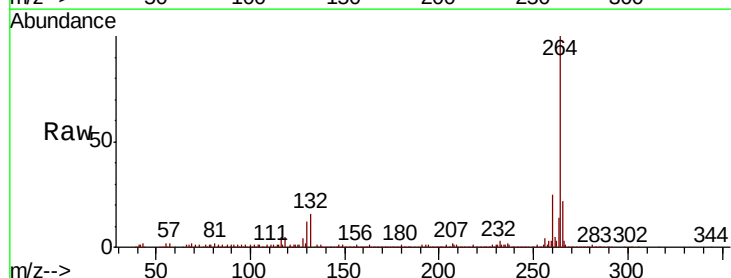
Instrument :
BNA_F
ClientSampleId :
OR-02-100118-B

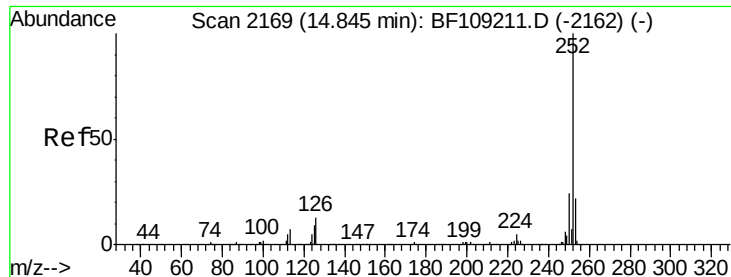
Tgt Ion:228 Resp: 52318
Ion Ratio Lower Upper
228 100
226 30.1 25.0 37.6
229 23.3 16.2 24.4



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.24 min Scan# 2237
Delta R.T. 0.01 min
Lab File: BF109502.D
Acq: 2 Oct 2018 15:37

Tgt Ion:264 Resp: 251620
Ion Ratio Lower Upper
264 100
260 24.7 19.2 28.8
265 22.2 17.5 26.3





#87

Benzo(b)fluoranthene

Concen: 6.050 ng

RT: 14.84 min Scan# 2169

Delta R.T. -0.01 min

Lab File: BF109502.D

Acq: 2 Oct 2018 15:37

Instrument :

BNA_F

ClientSampleId :

OR-02-100118-B

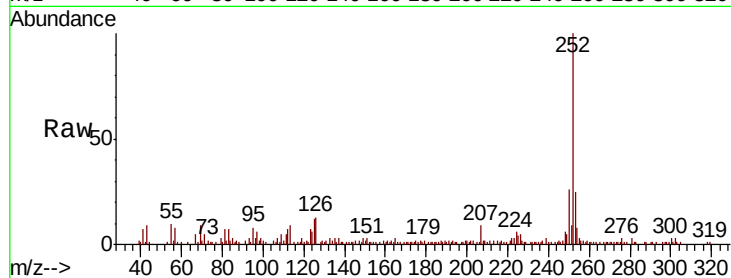
Tgt Ion:252 Resp: 83652

Ion Ratio Lower Upper

252 100

253 25.1 17.0 25.6

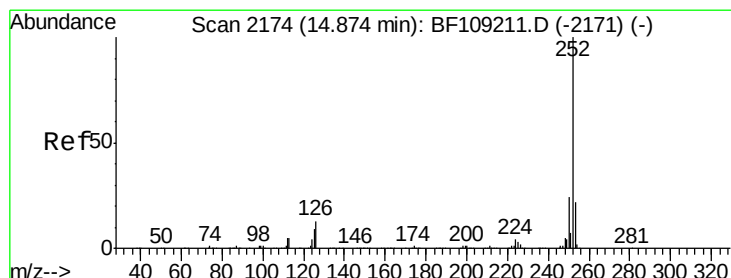
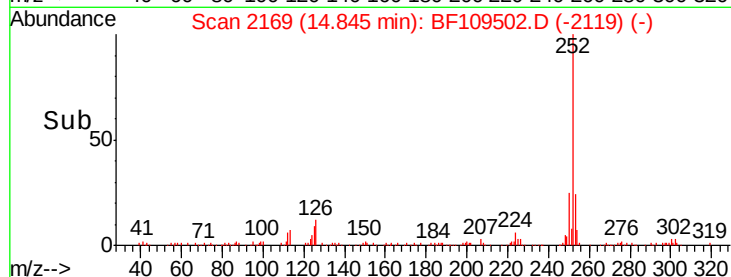
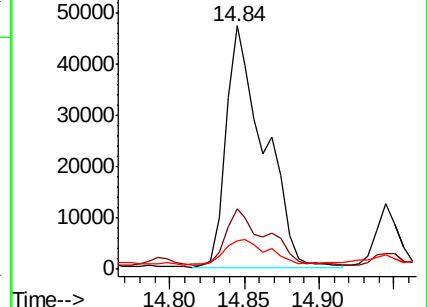
125 11.7 9.0 13.6



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



#88

Benzo(k)fluoranthene

Concen: 6.376 ng

RT: 14.84 min Scan# 2169

Delta R.T. -0.04 min

Lab File: BF109502.D

Acq: 2 Oct 2018 15:37

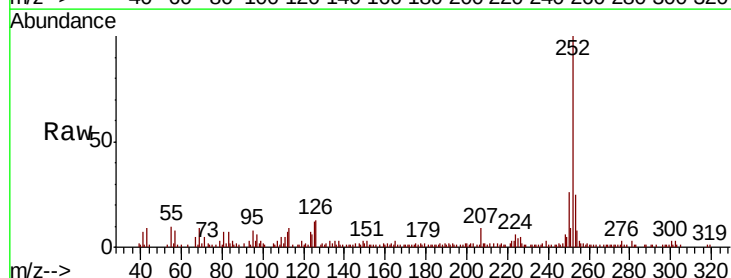
Tgt Ion:252 Resp: 83652

Ion Ratio Lower Upper

252 100

253 25.1 17.9 26.9

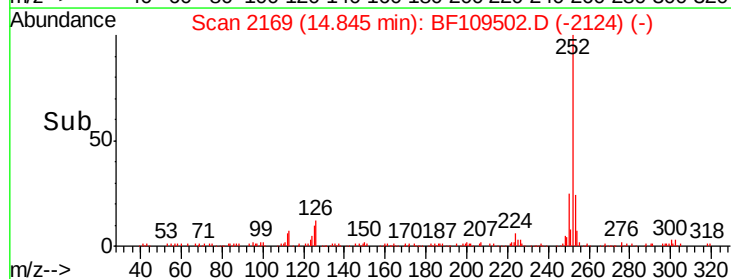
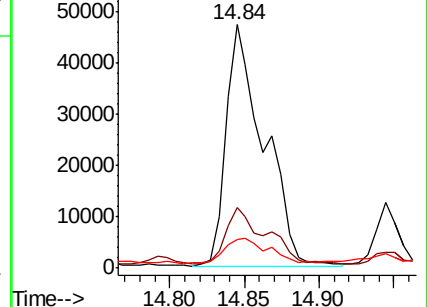
125 11.7 10.2 15.2

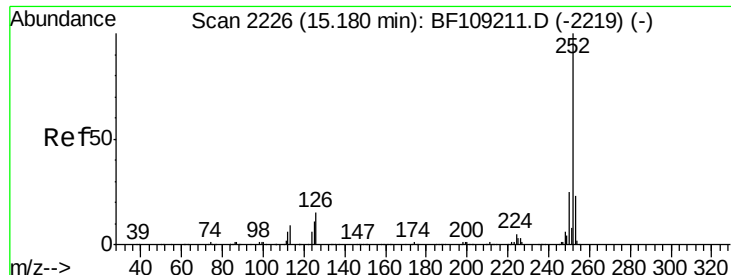


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#89

Benzo(a)pyrene

Concen: 3.786 ng

RT: 15.18 min Scan# 2226

Delta R.T. -0.01 min

Lab File: BF109502.D

Acq: 2 Oct 2018 15:37

Instrument :

BNA_F

ClientSampleId :

OR-02-100118-B

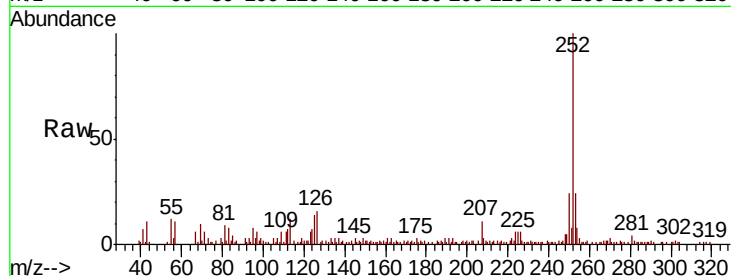
Tgt Ion:252 Resp: 47167

Ion Ratio Lower Upper

252 100

253 23.9 17.1 25.7

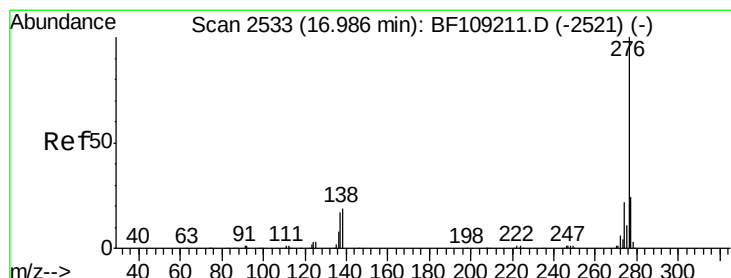
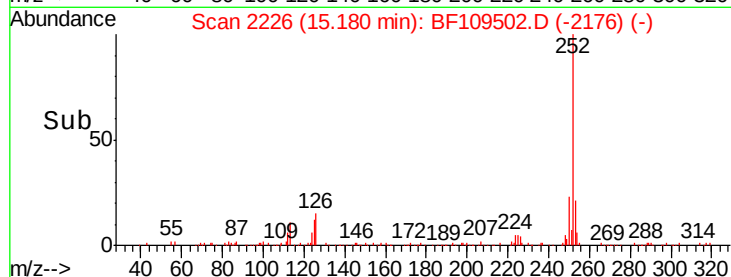
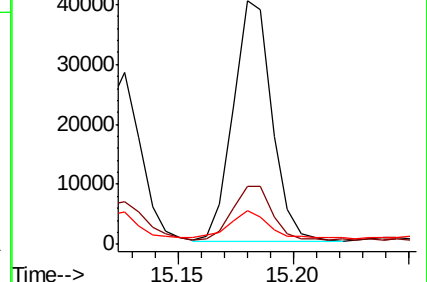
125 14.0 9.8 14.6



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: 2.556 ng

RT: 17.00 min Scan# 2535

Delta R.T. -0.00 min

Lab File: BF109502.D

Acq: 2 Oct 2018 15:37

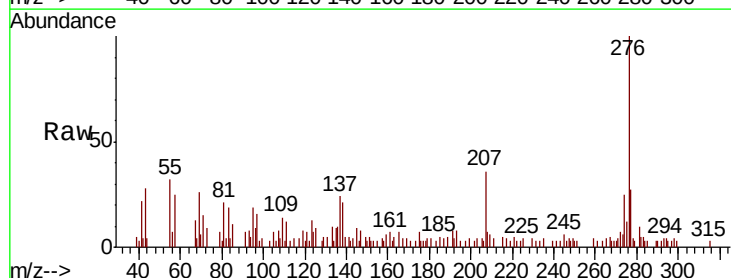
Tgt Ion:276 Resp: 25674

Ion Ratio Lower Upper

276 100

277 26.5 17.9 26.9

138 21.2 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

