

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF100818\
 Data File : BF109684.D
 Acq On : 9 Oct 2018 8:51
 Operator : JU/SJ
 Sample : J5309-11
 Misc :
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Oct 09 10:56:49 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF100818.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Oct 08 16:02:11 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.70	152	99328	20.00	ng	0.00
21) Naphthalene-d8	7.97	136	371347	20.00	ng	0.00
38) Acenaphthene-d10	9.72	164	155422	20.00	ng	0.00
63) Phenanthrene-d10	11.20	188	264998	20.00	ng	0.00
75) Chrysene-d12	13.83	240	215269	20.00	ng	0.00
86) Perylene-d12	15.23	264	179123	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.33	112	703488	125.72	ng	0.00
7) Phenol-d6	6.35	99	941873	126.00	ng	0.00
23) Nitrobenzene-d5	7.26	82	617246	91.63	ng	0.00
41) 2,4,6-Tribromophenol	10.51	330	195086	115.20	ng	0.00
44) 2-Fluorobiphenyl	9.05	172	1042172	92.35	ng	0.00
78) Terphenyl-d14	12.78	244	833856	74.99	ng	0.00

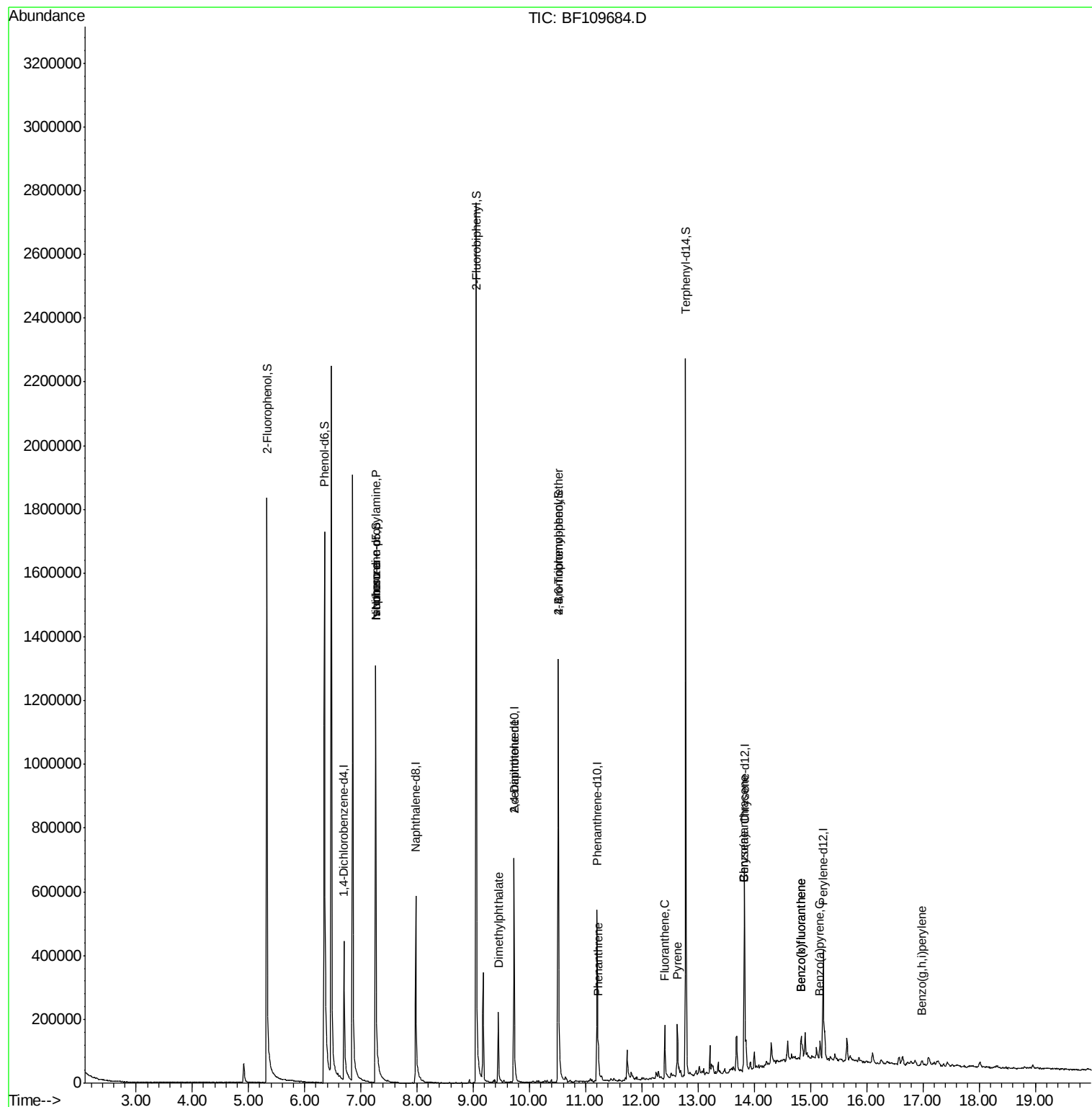
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	7.26	70	81089	15.468	ng	# 78
25) Isophorone	7.26	82	617244	55.177	ng	# 67
49) Dimethylphthalate	9.45	163	111017	9.739	ng	99
56) 2,4-Dinitrotoluene	9.72	165	19671	6.379	ng	# 17
66) 4-Bromophenyl-phenylether	10.51	248	11567	3.799	ng	# 1
70) Phenanthrene	11.23	178	40314	3.040	ng	99
74) Fluoranthene	12.41	202	86192	6.221	ng	98
77) Pyrene	12.63	202	82173	5.210	ng	98
80) Benzo(a)anthracene	13.82	228	33405	2.812	ng	98
82) Chrysene	13.82	228	33405	2.677	ng	96
87) Benzo(b)fluoranthene	14.83	252	50924	5.145	ng	# 93
88) Benzo(k)fluoranthene	14.83	252	50924	5.120	ng	# 92
89) Benzo(a)pyrene	15.17	252	25596	2.849	ng	95
91) Benzo(a,h,i)perylene	16.98	276	15602	2.118	ng	# 86

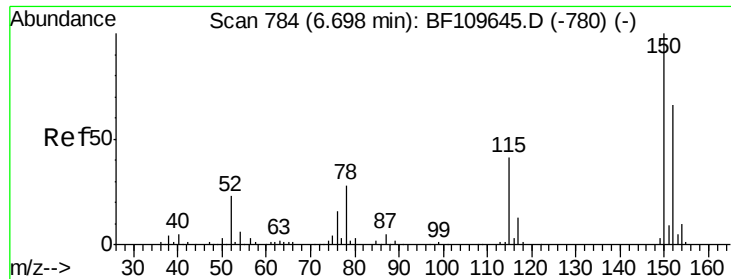
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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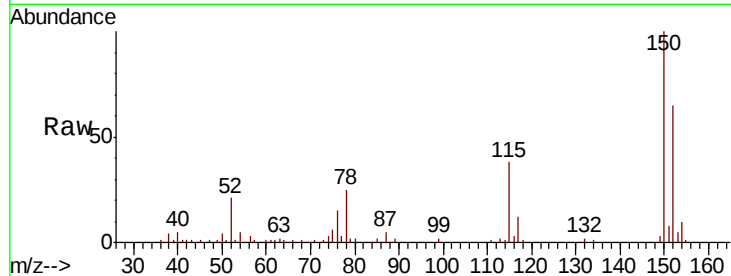


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.70 min Scan# 784
Delta R.T. -0.00 min
Lab File: BF109684.D
Acq: 9 Oct 2018 8:51

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	154.7	122.7	184.1
115	59.0	49.1	73.7

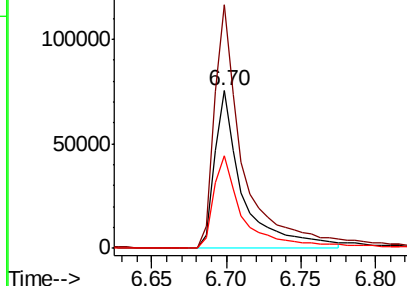
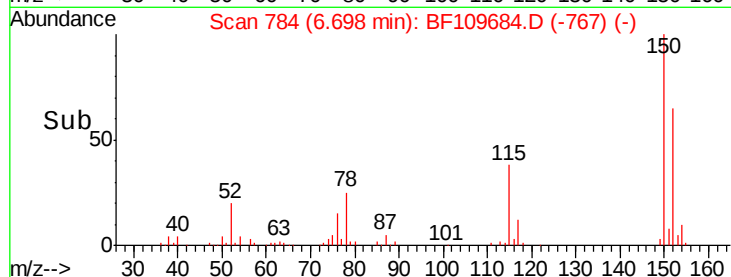


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

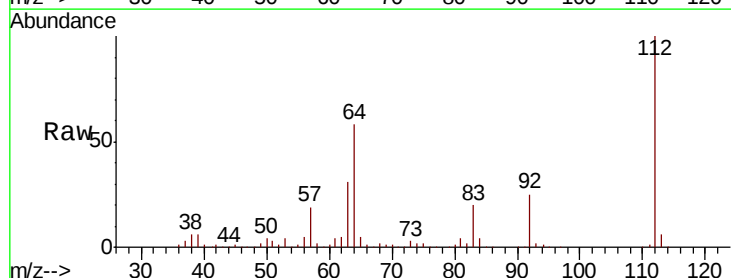
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 125.716 ng
RT: 5.33 min Scan# 551
Delta R.T. 0.01 min
Lab File: BF109684.D
Acq: 9 Oct 2018 8:51

Tgt Ion	Ratio	Lower	Upper
112	100		
64	58.0	44.1	66.1
63	30.8	23.7	35.5

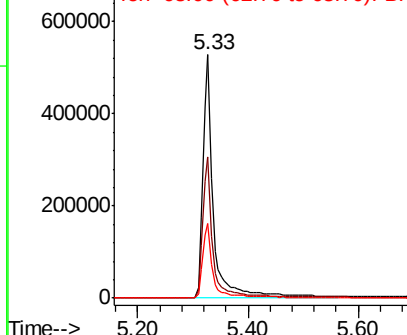
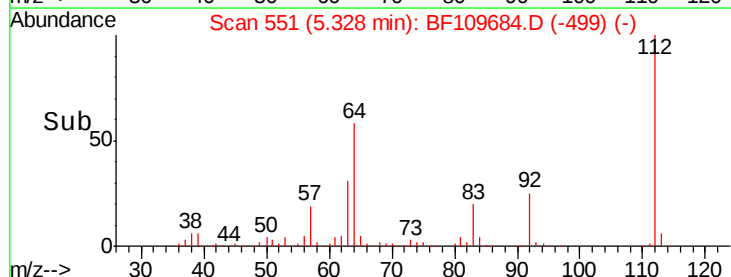


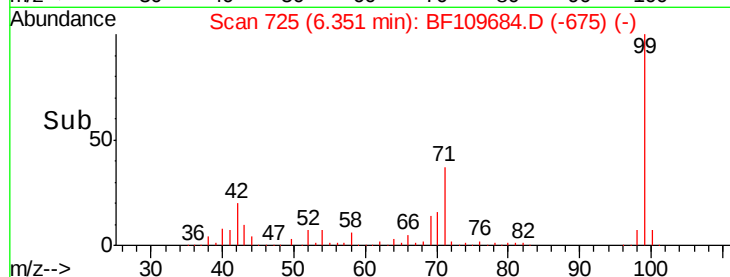
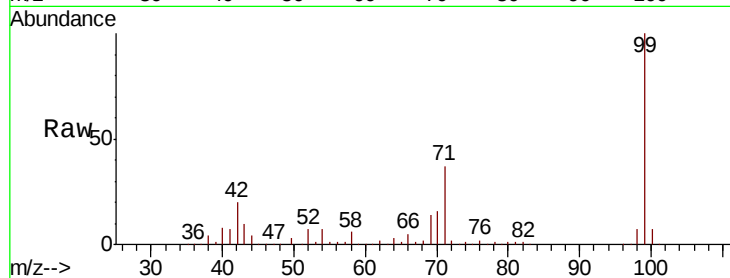
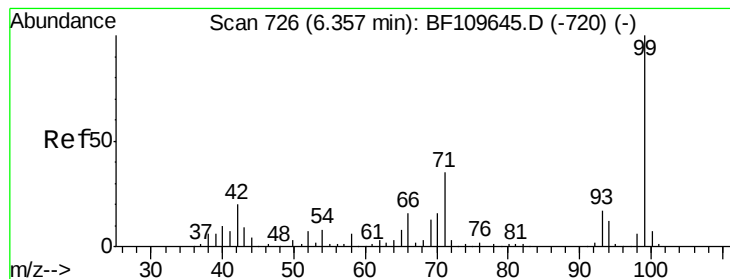
Abundance

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: 125.996 ng

RT: 6.35 min Scan# 725

Delta R.T. -0.01 min

Lab File: BF109684.D

Acq: 9 Oct 2018 8:51

Instrument :

BNA_F

ClientSampleId :

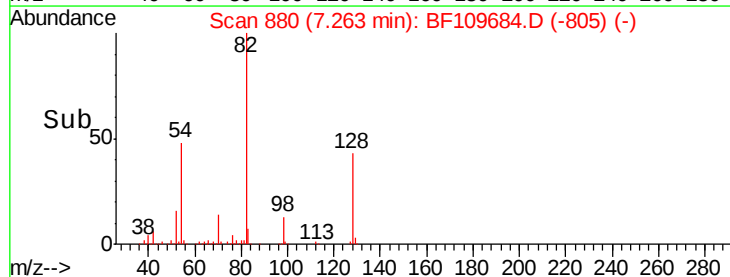
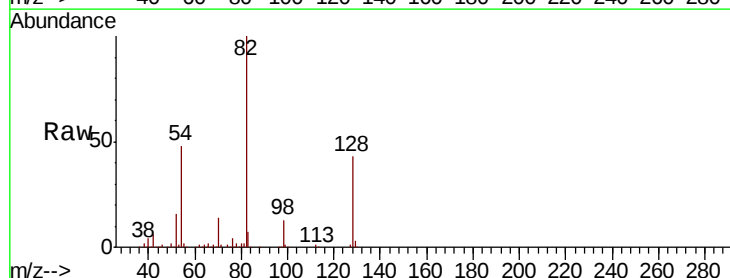
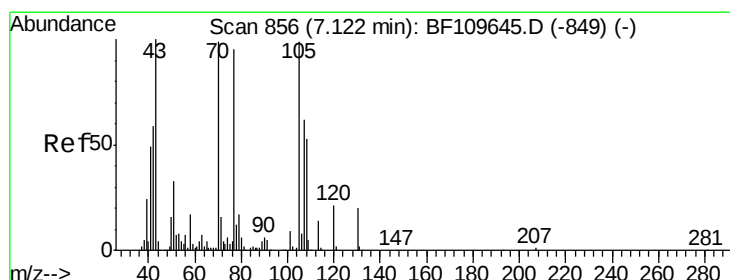
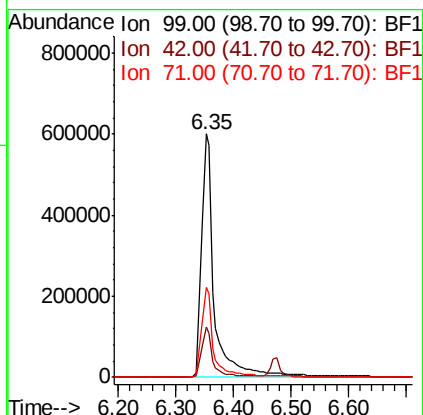
Tot Ion: 99 Resp: 941873

Ion Ratio Lower Upper

99 100

42 20.5 15.8 23.6

71 36.8 28.0 42.0



#19

n-Nitroso-di-n-propylamine

Concen: 15.468 ng

RT: 7.26 min Scan# 880

Delta R.T. 0.14 min

Lab File: BF109684.D

Acq: 9 Oct 2018 8:51

Tgt Ion: 70 Resp: 81089

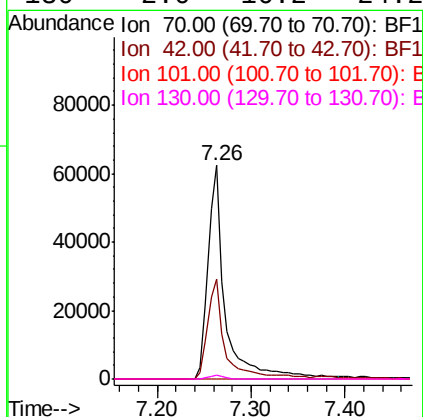
Ion Ratio Lower Upper

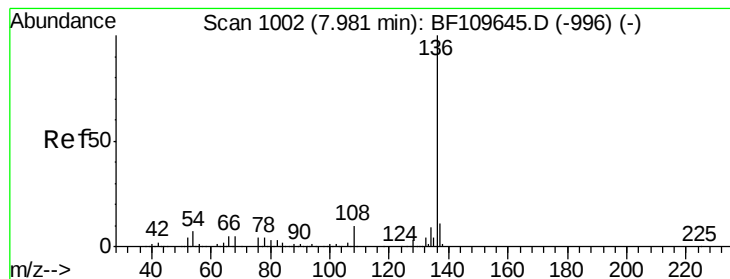
70 100

42 47.1 47.4 71.2#

101 0.0 7.3 10.9#

130 2.0 16.2 24.2#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 7.97 min Scan# 1001

Delta R.T. -0.01 min

Lab File: BF109684.D

Acq: 9 Oct 2018 8:51

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 371347

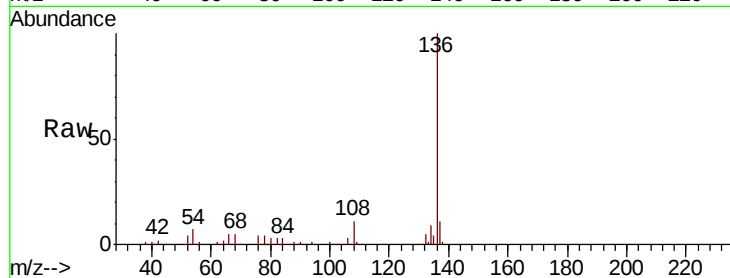
Ion Ratio Lower Upper

136 100

137 11.3 8.8 13.2

54 6.9 5.4 8.2

68 5.4 4.2 6.2

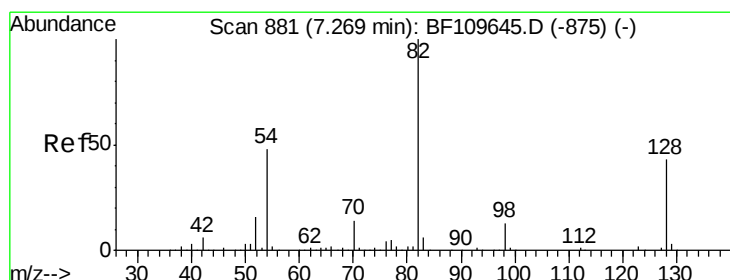
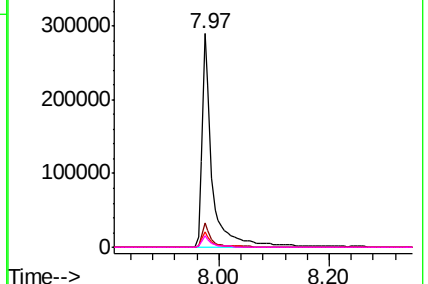
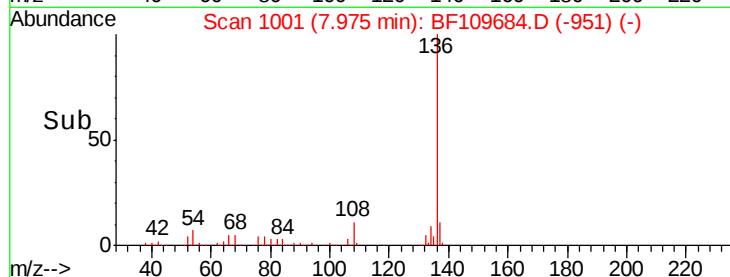


Abundance Ion 136.00 (135.70 to 136.70): E

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: 91.625 ng

RT: 7.26 min Scan# 880

Delta R.T. -0.01 min

Lab File: BF109684.D

Acq: 9 Oct 2018 8:51

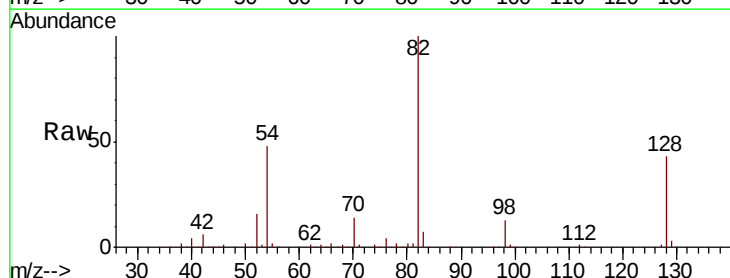
Tgt Ion: 82 Resp: 617246

Ion Ratio Lower Upper

82 100

128 43.4 34.2 51.2

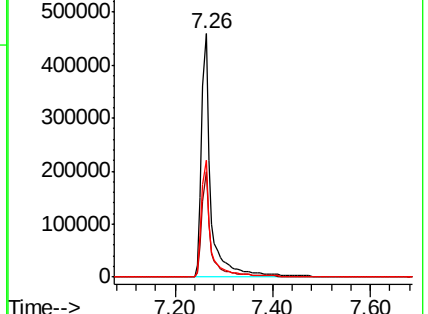
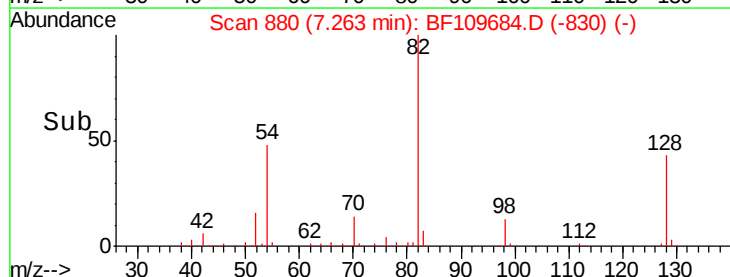
54 47.9 38.6 58.0

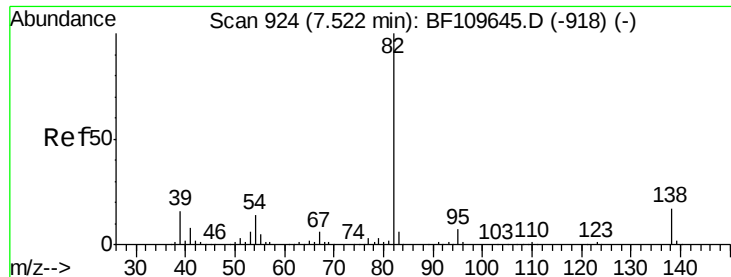


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 55.177 ng

RT: 7.26 min Scan# 880

Delta R.T. -0.26 min

Lab File: BF109684.D

Acq: 9 Oct 2018 8:51

Instrument :

BNA_F

ClientSampleId :

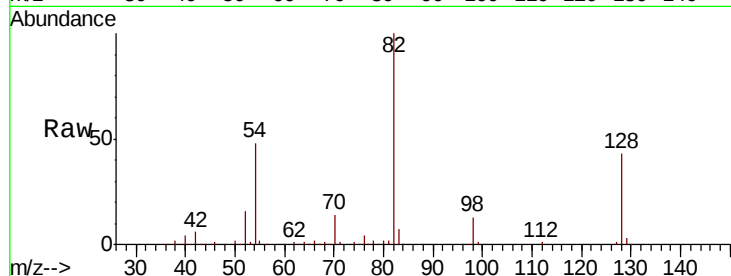
Tot Ion: 82 Resp: 617244

Ion Ratio Lower Upper

82 100

95 0.0 5.7 8.5#

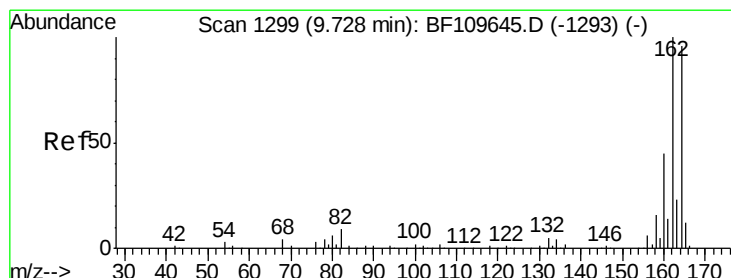
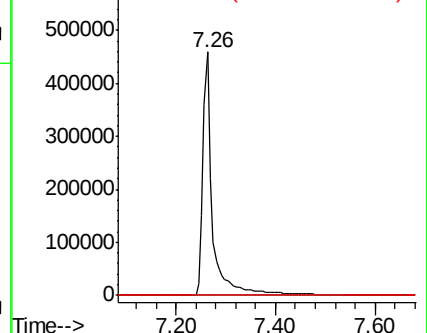
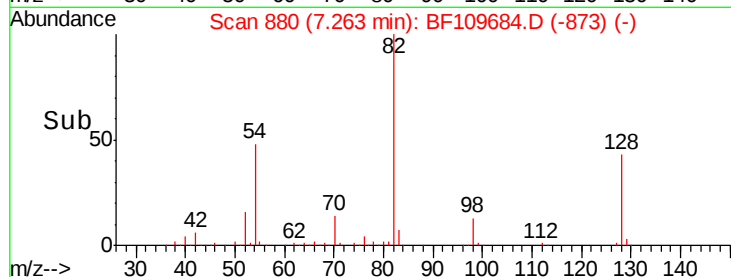
138 0.0 13.2 19.8#



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: 9.72 min Scan# 1298

Delta R.T. -0.01 min

Lab File: BF109684.D

Acq: 9 Oct 2018 8:51

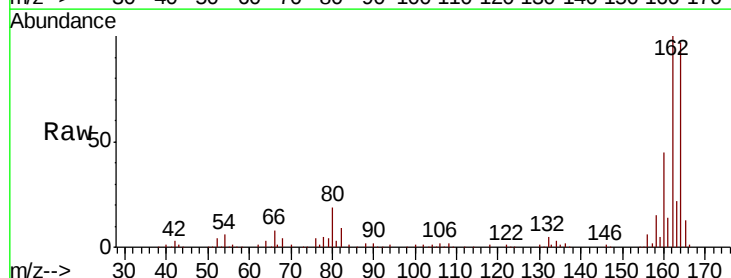
Tgt Ion: 164 Resp: 155422

Ion Ratio Lower Upper

164 100

162 103.3 83.0 124.6

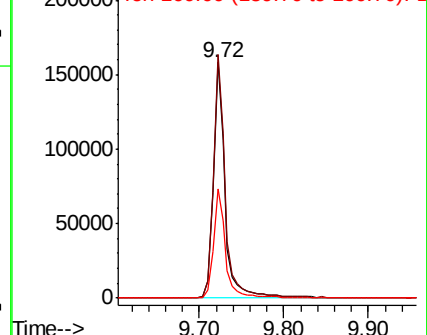
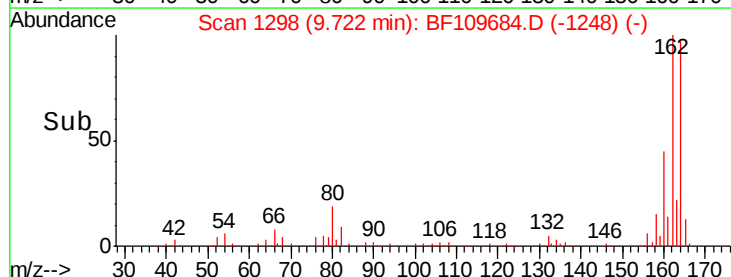
160 46.5 37.0 55.6

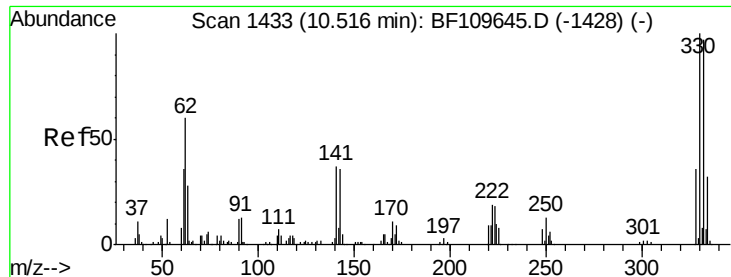


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

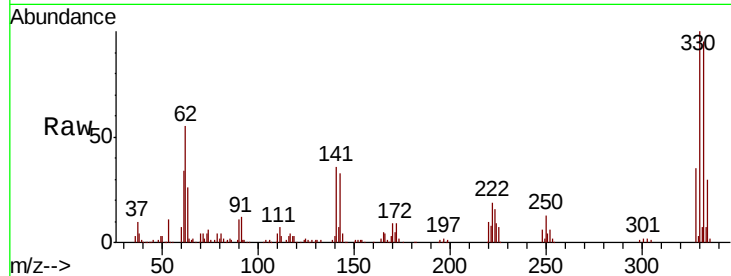




#41
 2,4,6-Tribromophenol
 Concen: 115.198 ng
 RT: 10.51 min Scan# 1432
 Delta R.T. -0.01 min
 Lab File: BF109684.D
 Acq: 9 Oct 2018 8:51

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	330	332	141
Resp:	195086		
Ion Ratio	100	96.7	34.1
Lower		77.1	27.0
Upper		115.7	40.4

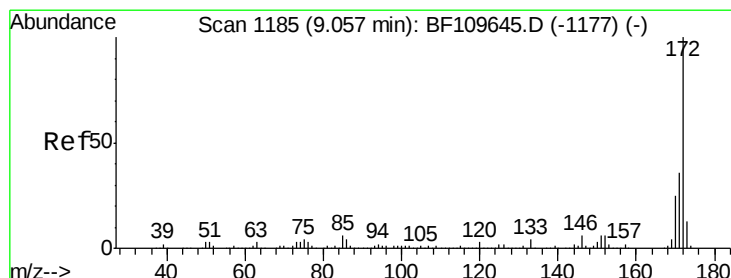
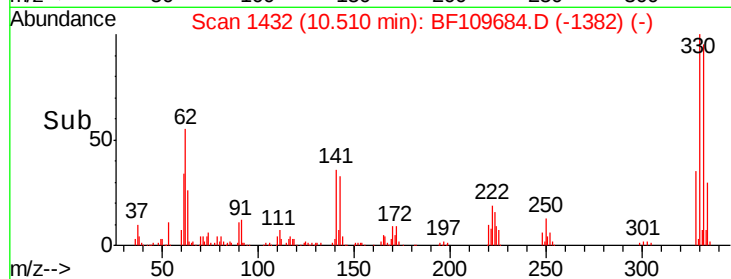
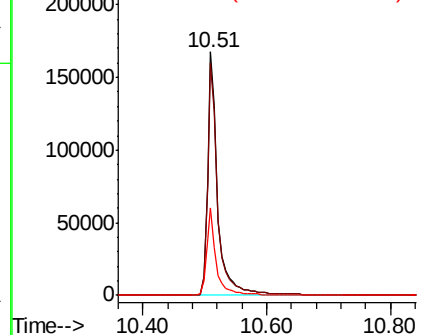


Abundance

Ion 329.80 (329.50 to 330.50): E

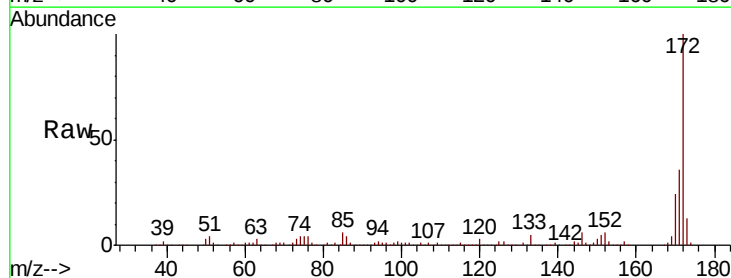
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#44
 2-Fluorobiphenyl
 Concen: 92.351 ng
 RT: 9.05 min Scan# 1184
 Delta R.T. -0.01 min
 Lab File: BF109684.D
 Acq: 9 Oct 2018 8:51

Tgt Ion	172	171	170
Resp:	1042172		
Ion Ratio	100	36.2	23.9
Lower		28.6	19.7
Upper		43.0	29.5

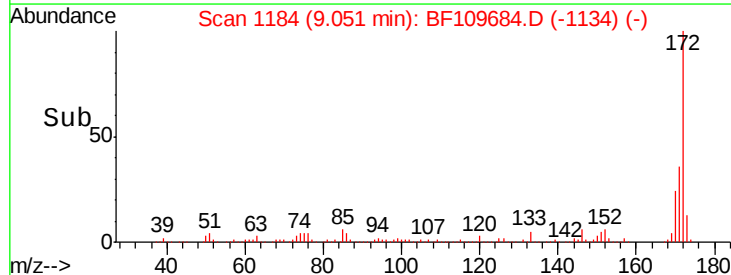
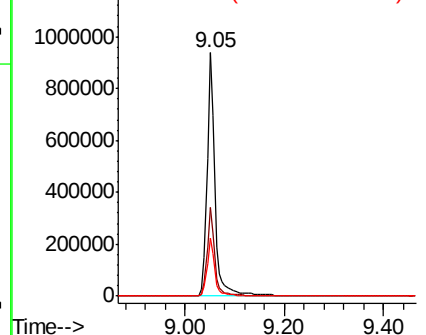


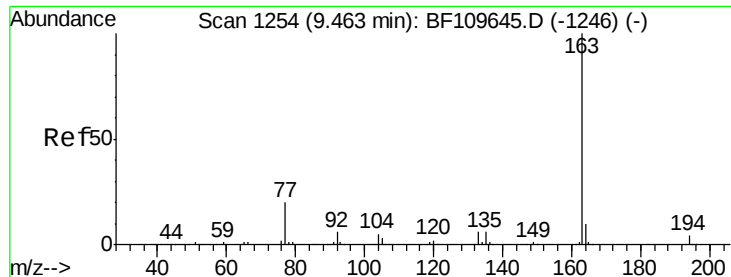
Abundance

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

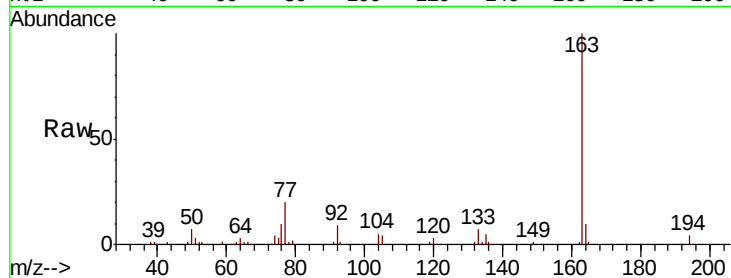




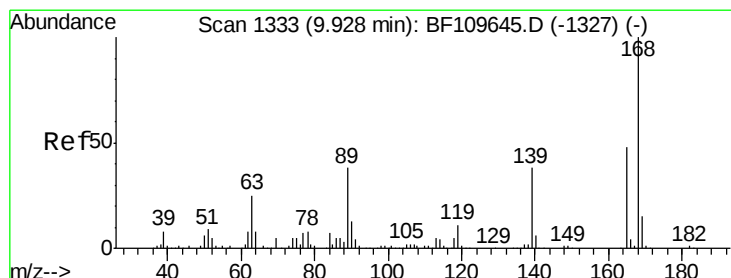
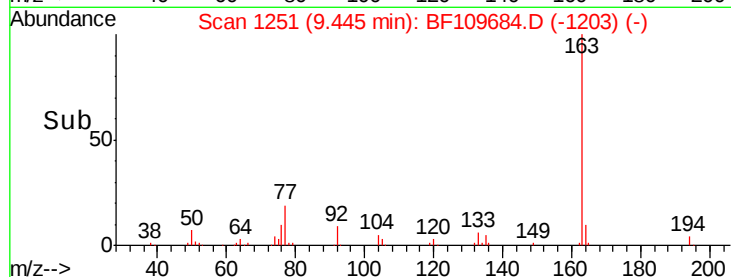
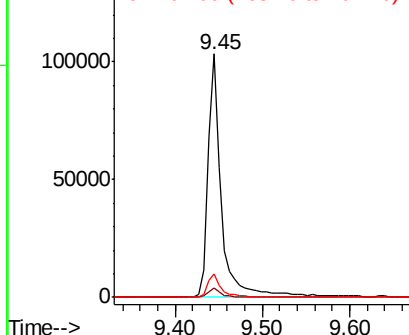
#49
Dimethylphthalate
Concen: 9.739 ng
RT: 9.45 min Scan# 1251
Delta R.T. -0.02 min
Lab File: BF109684.D
Acq: 9 Oct 2018 8:51

Instrument :
BNA_F
ClientSampled :

Tot Ion:163 Resp: 111017
Ion Ratio Lower Upper
163 100
194 3.8 3.2 4.8
164 9.9 8.1 12.1

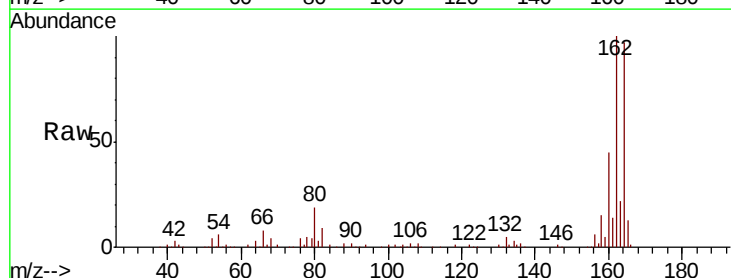


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

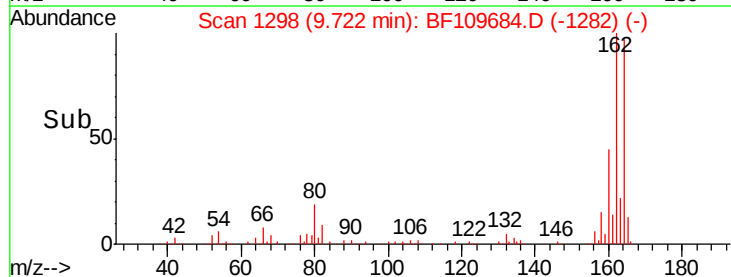
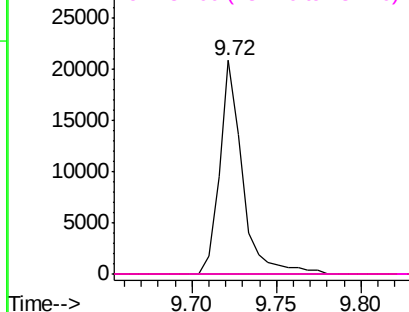


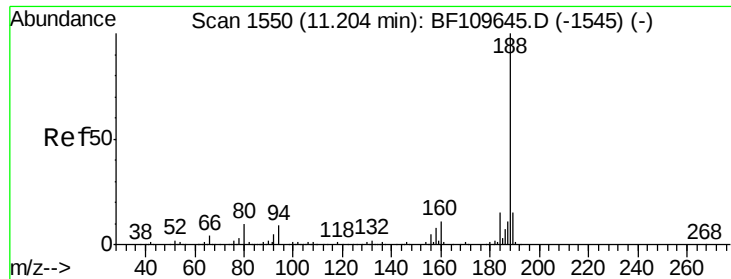
#56
2,4-Dinitrotoluene
Concen: 6.379 ng
RT: 9.72 min Scan# 1298
Delta R.T. -0.21 min
Lab File: BF109684.D
Acq: 9 Oct 2018 8:51

Tgt Ion:165 Resp: 19671
Ion Ratio Lower Upper
165 100
63 0.0 44.8 67.2#
89 0.0 62.2 93.4#
182 0.0 2.1 3.1#



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

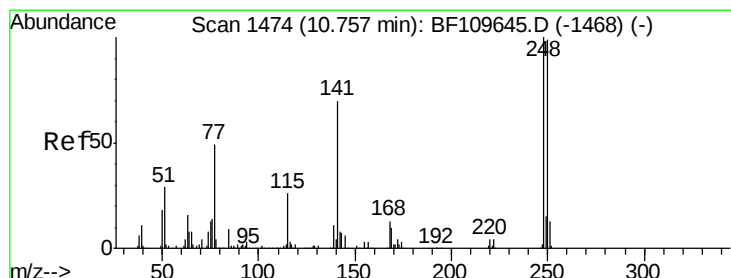
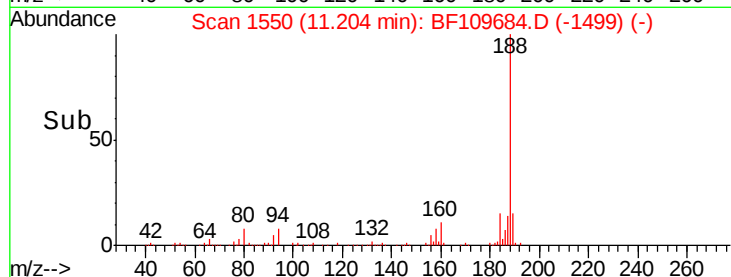
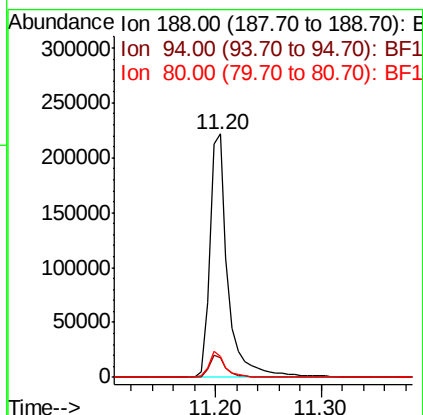
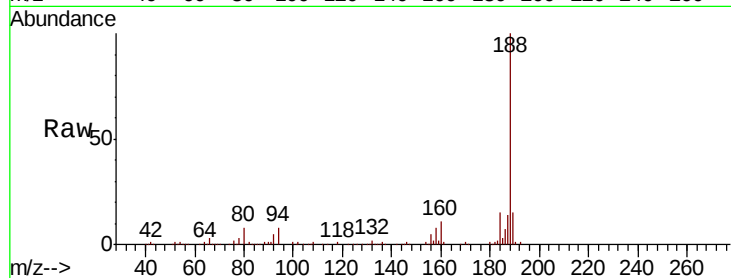




#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.20 min Scan# 1550
Delta R.T. -0.00 min
Lab File: BF109684.D
Acq: 9 Oct 2018 8:51

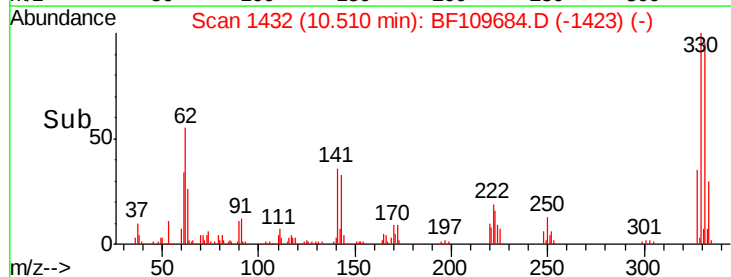
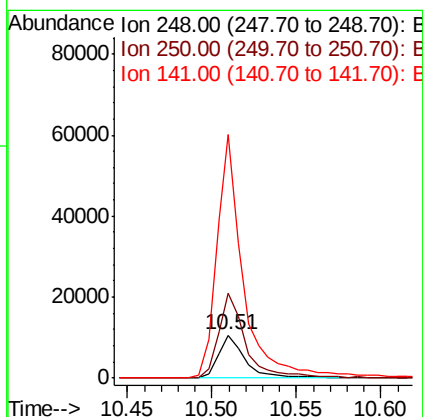
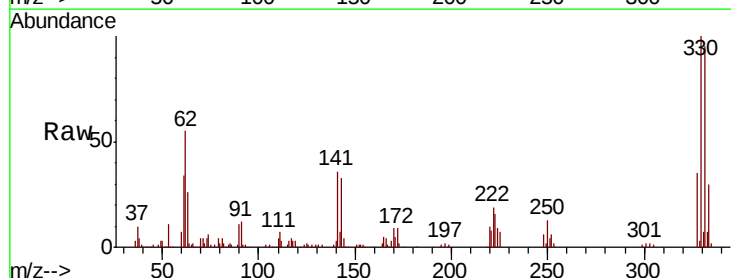
Instrument :
BNA_F
ClientSampled :

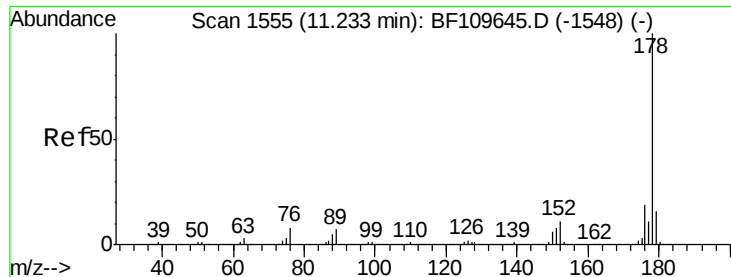
Tot Ion:188 Resp: 264998
Ion Ratio Lower Upper
188 100
94 8.0 7.2 10.8
80 8.4 7.9 11.9



#66
4-Bromophenyl-phenylether
Concen: 3.799 ng
RT: 10.51 min Scan# 1432
Delta R.T. -0.25 min
Lab File: BF109684.D
Acq: 9 Oct 2018 8:51

Tgt Ion:248 Resp: 11567
Ion Ratio Lower Upper
248 100
250 199.6 79.4 119.2#
141 570.3 55.9 83.9#

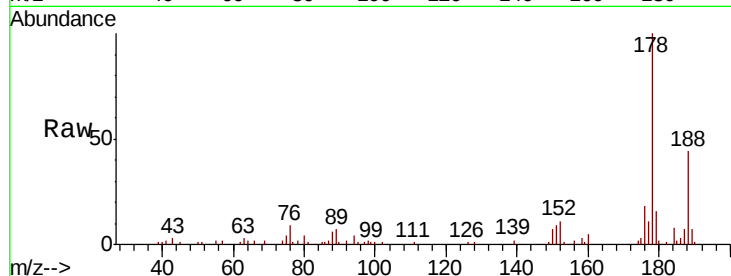




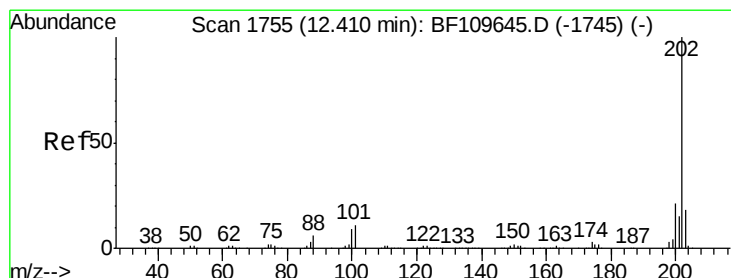
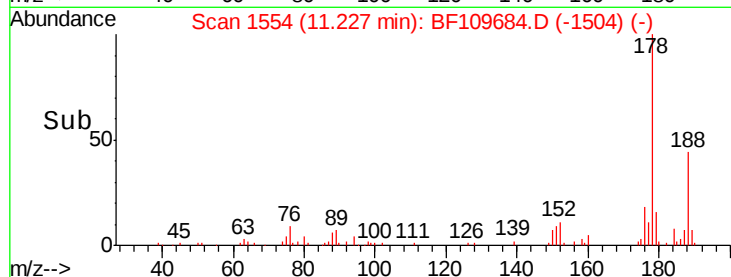
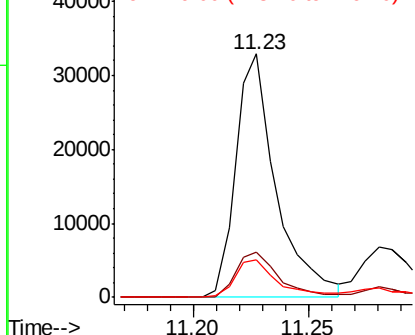
#70
Phenanthrene
Concen: 3.040 ng
RT: 11.23 min Scan# 1554
Delta R.T. -0.01 min
Lab File: BF109684.D
Acq: 9 Oct 2018 8:51

Instrument :
BNA_F
ClientSampleId :

Tot Ion:178 Resp: 40314
Ion Ratio Lower Upper
178 100
176 18.4 15.5 23.3
179 15.6 12.5 18.7

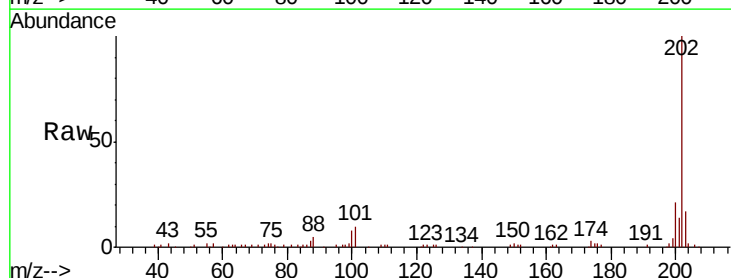


Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

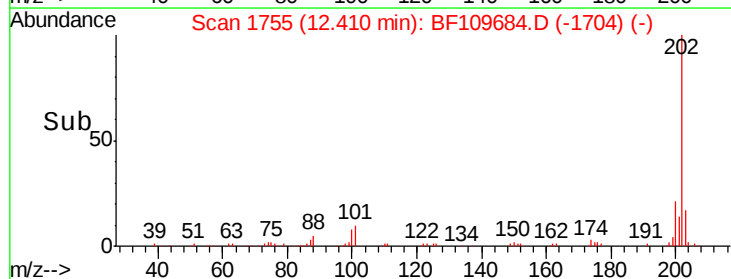
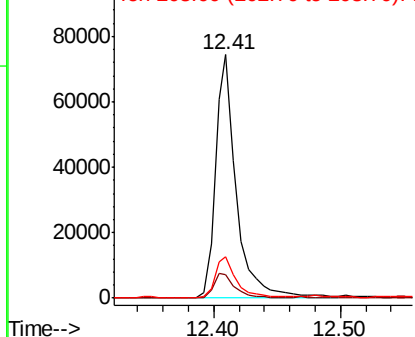


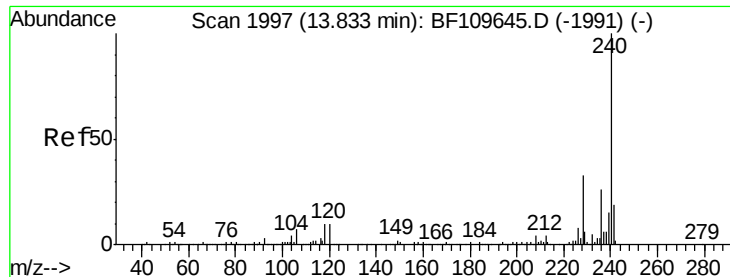
#74
Fluoranthene
Concen: 6.221 ng
RT: 12.41 min Scan# 1755
Delta R.T. -0.00 min
Lab File: BF109684.D
Acq: 9 Oct 2018 8:51

Tgt Ion:202 Resp: 86192
Ion Ratio Lower Upper
202 100
101 9.8 0.0 31.4
203 17.1 0.0 37.7



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: 13.83 min Scan# 1996

Delta R.T. -0.01 min

Lab File: BF109684.D

Acq: 9 Oct 2018 8:51

Instrument :

BNA_F

ClientSampleId :

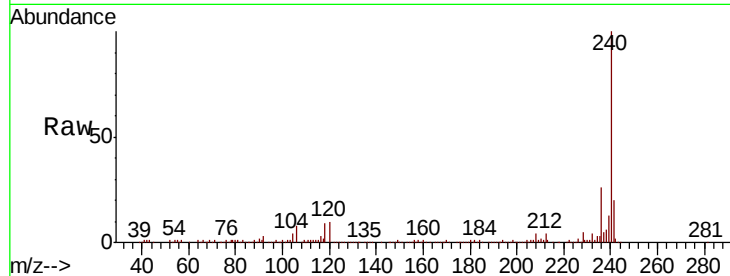
Tot Ion:240 Resp: 215269

Ion Ratio Lower Upper

240 100

120 10.3 8.3 12.5

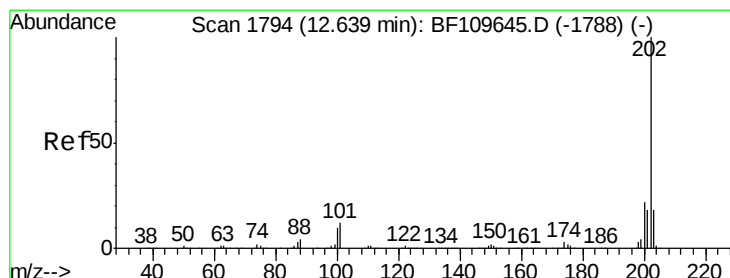
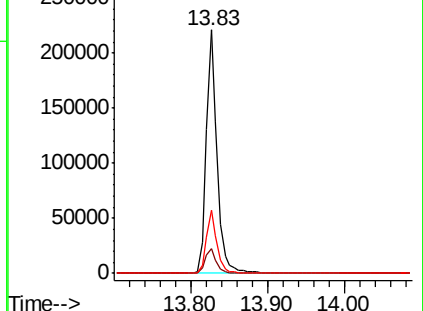
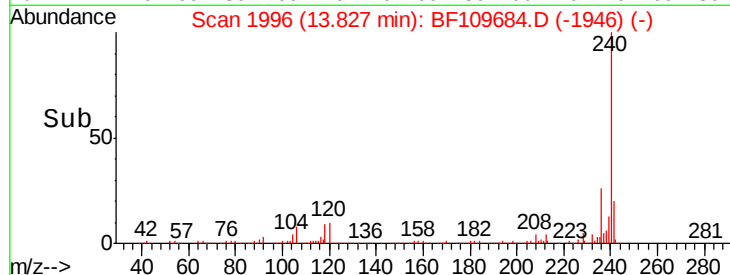
236 26.0 21.2 31.8



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: 5.210 ng

RT: 12.63 min Scan# 1793

Delta R.T. -0.01 min

Lab File: BF109684.D

Acq: 9 Oct 2018 8:51

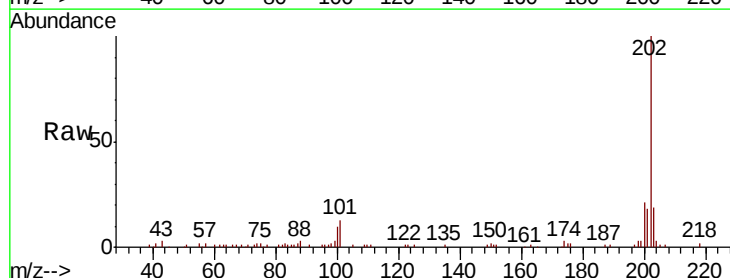
Tgt Ion:202 Resp: 82173

Ion Ratio Lower Upper

202 100

200 21.5 17.8 26.6

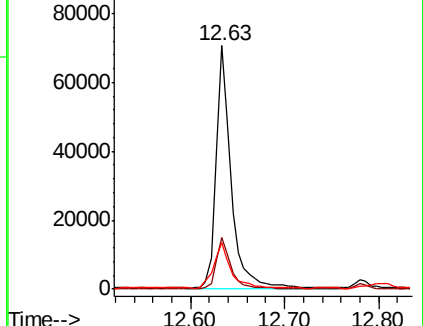
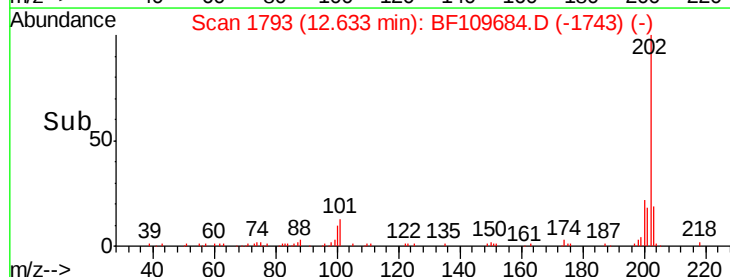
203 19.3 14.2 21.4

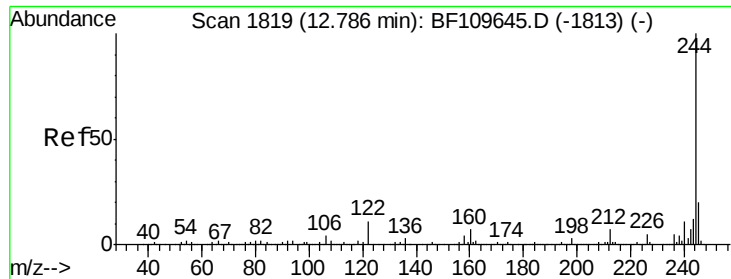


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 74.986 ng

RT: 12.78 min Scan# 1818

Delta R.T. -0.01 min

Lab File: BF109684.D

Acq: 9 Oct 2018 8:51

Instrument :

BNA_F

ClientSampleId :

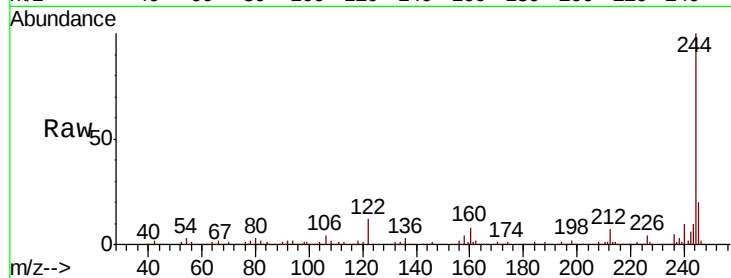
Tot Ion:244 Resp: 833856

Ion Ratio Lower Upper

244 100

212 7.2 5.8 8.8

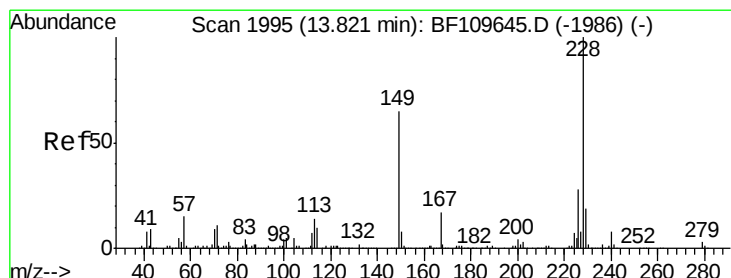
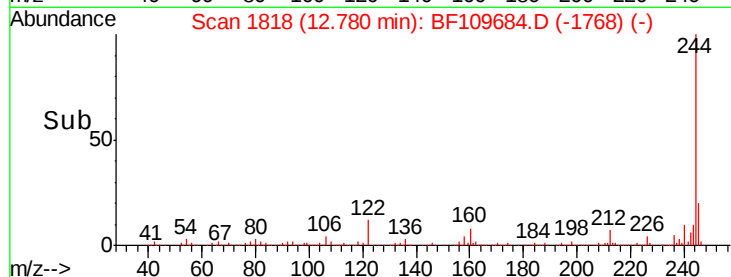
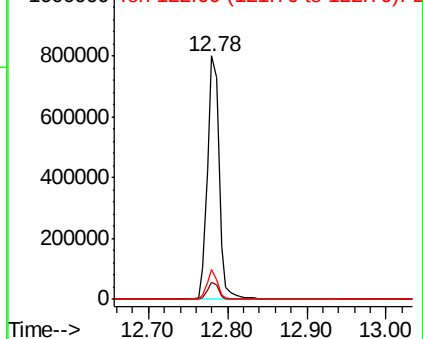
122 12.2 8.7 13.1



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: 2.812 ng

RT: 13.82 min Scan# 1994

Delta R.T. -0.01 min

Lab File: BF109684.D

Acq: 9 Oct 2018 8:51

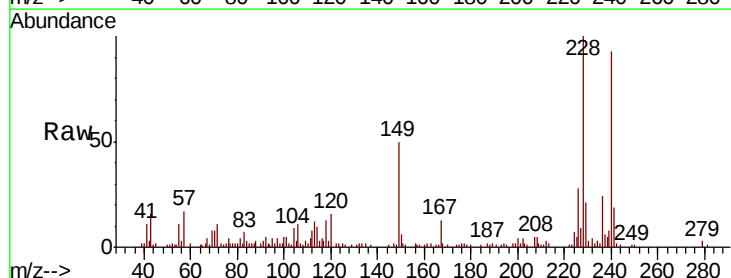
Tgt Ion:228 Resp: 33405

Ion Ratio Lower Upper

228 100

226 27.9 22.1 33.1

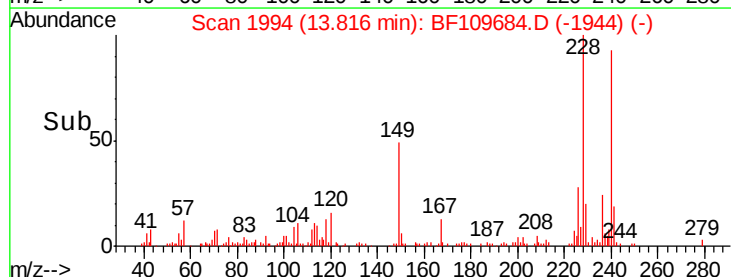
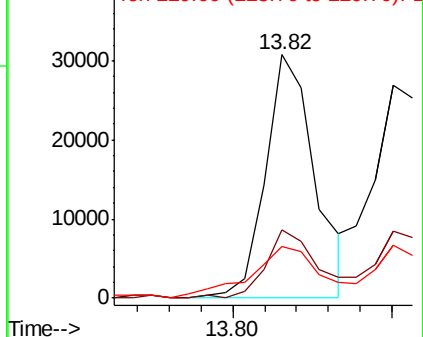
229 21.0 15.6 23.4

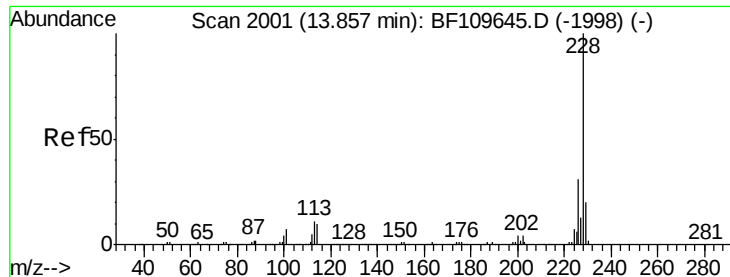


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#82

Chrysene

Concen: 2.677 ng

RT: 13.82 min Scan# 1994

Delta R.T. -0.04 min

Lab File: BF109684.D

Acq: 9 Oct 2018 8:51

Instrument :

BNA_F

ClientSampleId :

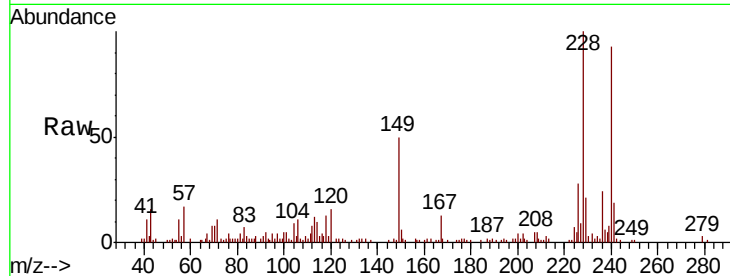
Tot Ion:228 Resp: 33405

Ion Ratio Lower Upper

228 100

226 27.9 24.7 37.1

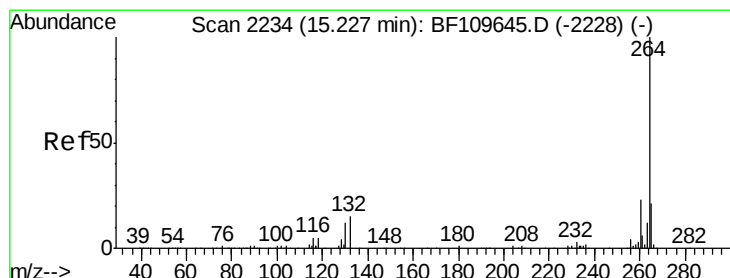
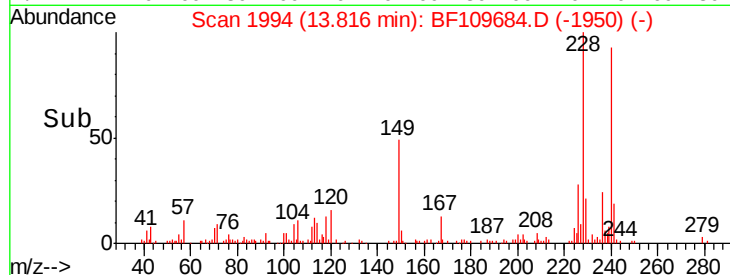
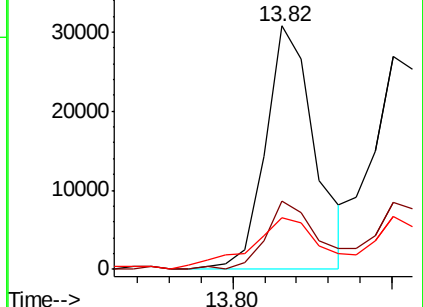
229 21.0 15.9 23.9



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: 15.23 min Scan# 2234

Delta R.T. -0.00 min

Lab File: BF109684.D

Acq: 9 Oct 2018 8:51

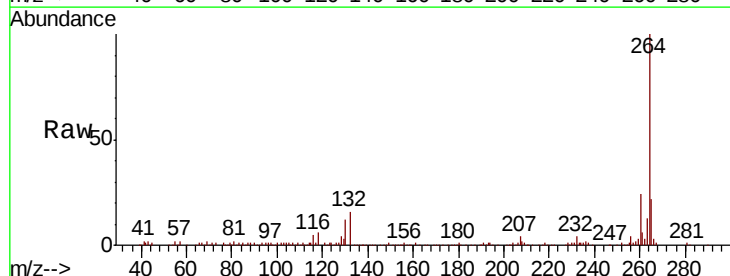
Tgt Ion:264 Resp: 179123

Ion Ratio Lower Upper

264 100

260 24.5 18.7 28.1

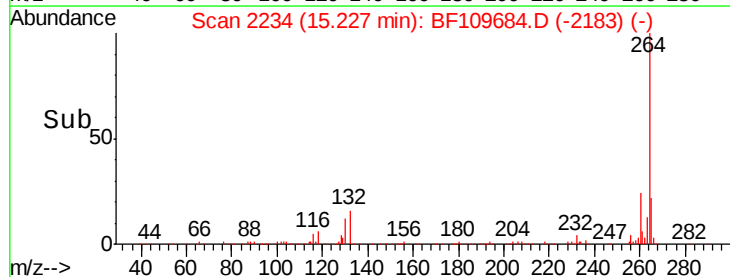
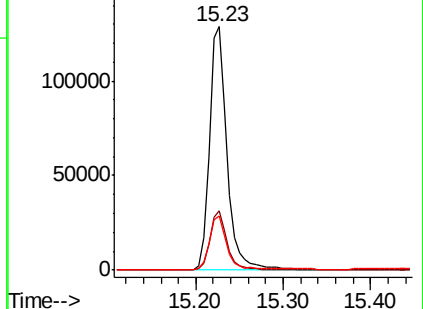
265 22.4 16.7 25.1

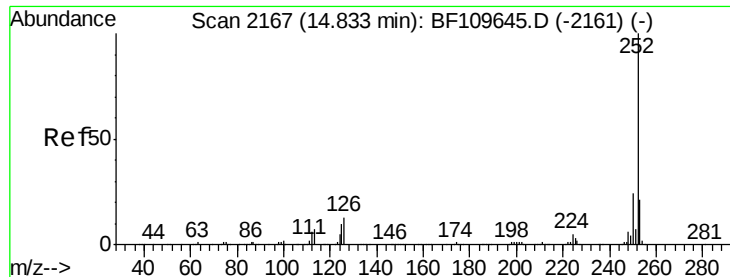


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

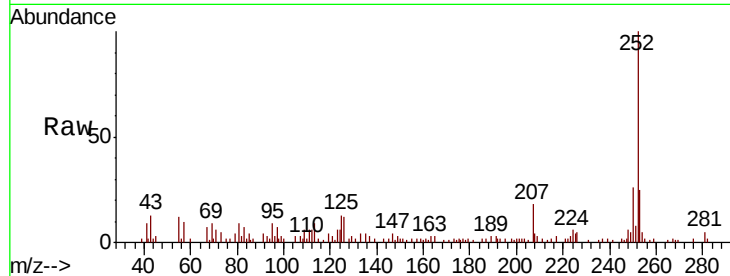




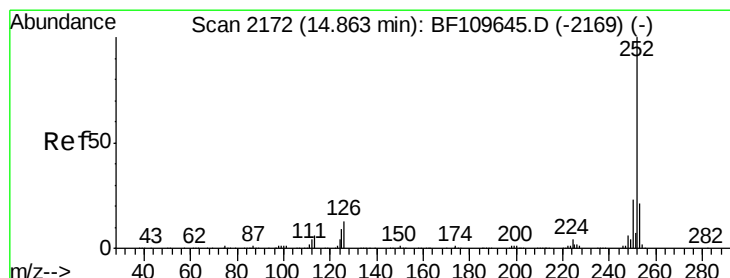
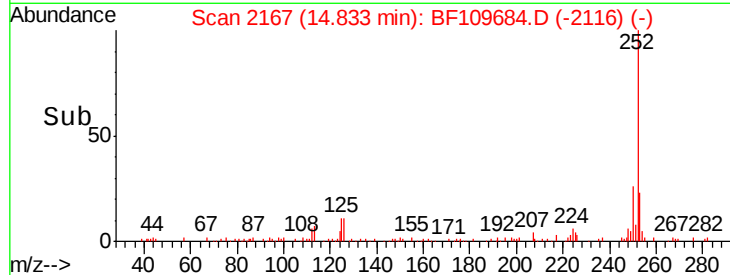
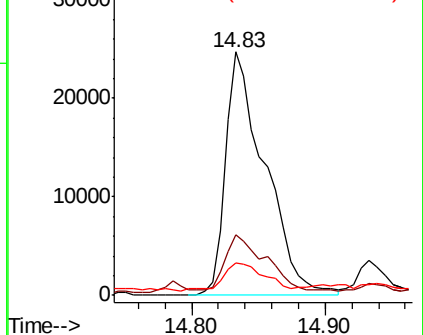
#87
Benzo(b)fluoranthene
Concen: 5.145 ng
RT: 14.83 min Scan# 2167
Delta R.T. -0.00 min
Lab File: BF109684.D
Acq: 9 Oct 2018 8:51

Instrument :
BNA_F
ClientSampleId :

Tot Ion:252 Resp: 50924
Ion Ratio Lower Upper
252 100
253 24.7 17.2 25.8
125 13.5 8.2 12.4#

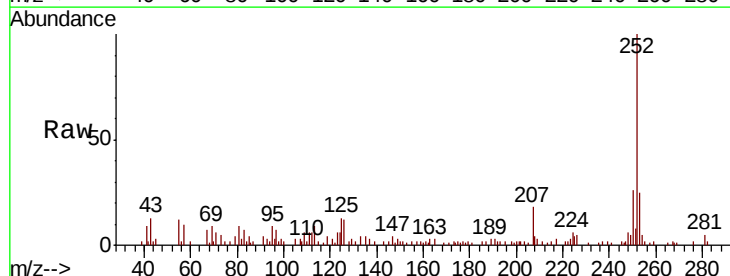


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

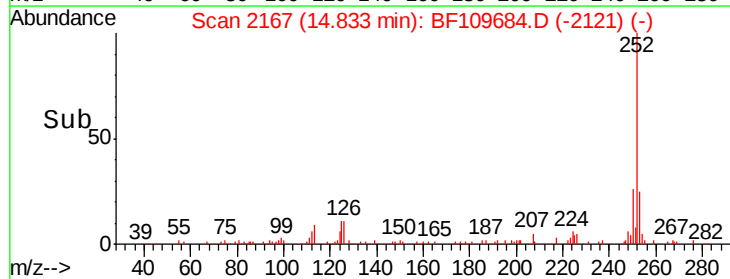
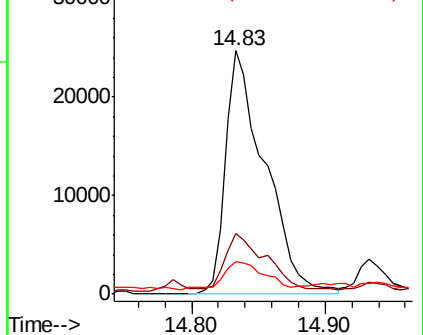


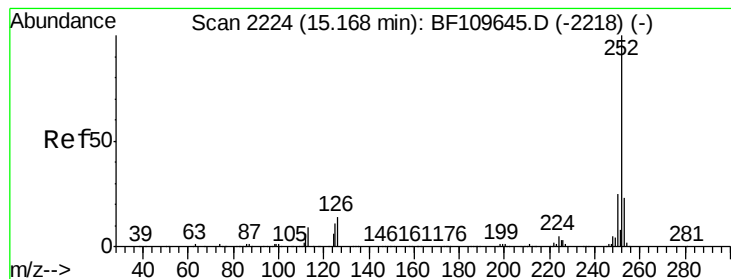
#88
Benzo(k)fluoranthene
Concen: 5.120 ng
RT: 14.83 min Scan# 2167
Delta R.T. -0.03 min
Lab File: BF109684.D
Acq: 9 Oct 2018 8:51

Tgt Ion:252 Resp: 50924
Ion Ratio Lower Upper
252 100
253 24.7 17.2 25.8
125 13.5 7.4 11.0#



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: 2.849 ng

RT: 15.17 min Scan# 2224

Delta R.T. -0.00 min

Lab File: BF109684.D

Acq: 9 Oct 2018 8:51

Instrument :

BNA_F

ClientSampled :

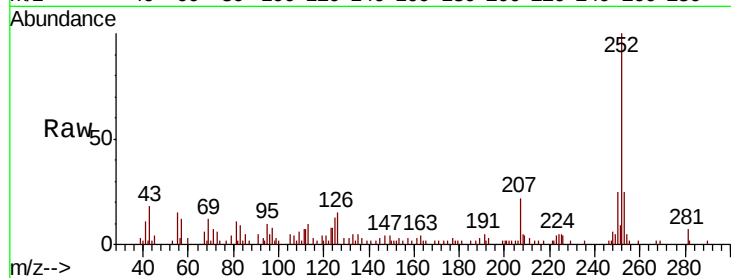
Tot Ion:252 Resp: 25596

Ion Ratio Lower Upper

252 100

253 25.2 18.2 27.4

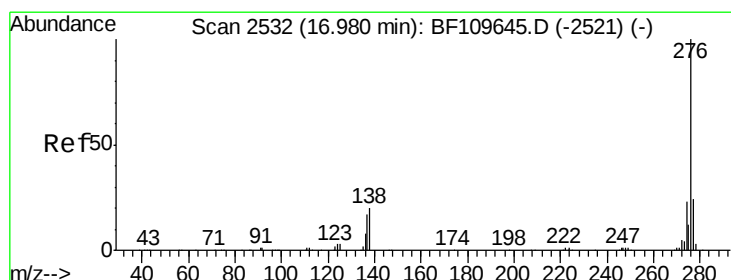
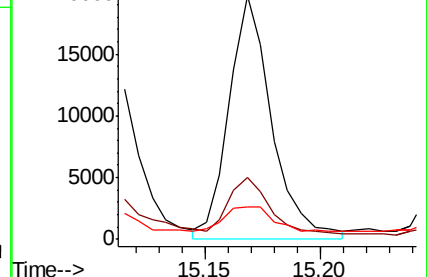
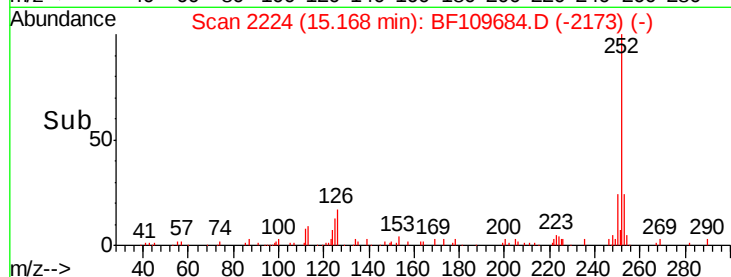
125 13.4 9.0 13.6



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



#91

Benzo(g,h,i)perylene

Concen: 2.118 ng

RT: 16.98 min Scan# 2532

Delta R.T. -0.00 min

Lab File: BF109684.D

Acq: 9 Oct 2018 8:51

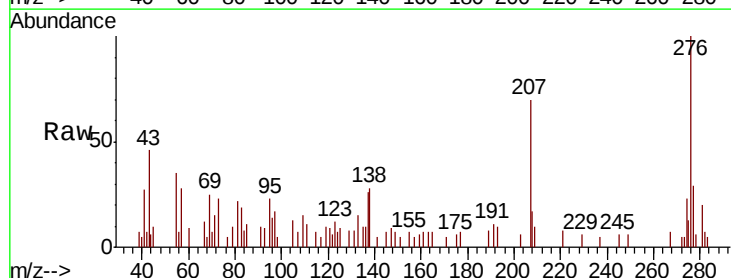
Tgt Ion:276 Resp: 15602

Ion Ratio Lower Upper

276 100

277 29.4 18.8 28.2#

138 27.8 16.0 24.0#



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

