

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF100918\
 Data File : BF109701.D
 Acq On : 9 Oct 2018 18:07
 Operator : JU/SJ
 Sample : J5325-01
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Oct 09 19:04:44 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	93993	20.00	ng	0.00
21) Naphthalene-d8	7.97	136	375928	20.00	ng	0.00
38) Acenaphthene-d10	9.72	164	174820	20.00	ng	0.00
63) Phenanthrene-d10	11.20	188	300263	20.00	ng	0.00
75) Chrysene-d12	13.83	240	204269	20.00	ng	0.00
86) Perylene-d12	15.23	264	204306	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.32	112	571098	107.85	ng	0.00
7) Phenol-d6	6.35	99	756144	106.89	ng	-0.01
23) Nitrobenzene-d5	7.26	82	518899	76.09	ng	-0.01
41) 2,4,6-Tribromophenol	10.51	330	191717	100.65	ng	0.00
44) 2-Fluorobiphenyl	9.05	172	971311	76.52	ng	0.00
78) Terphenyl-d14	12.78	244	698242	66.17	ng	0.00

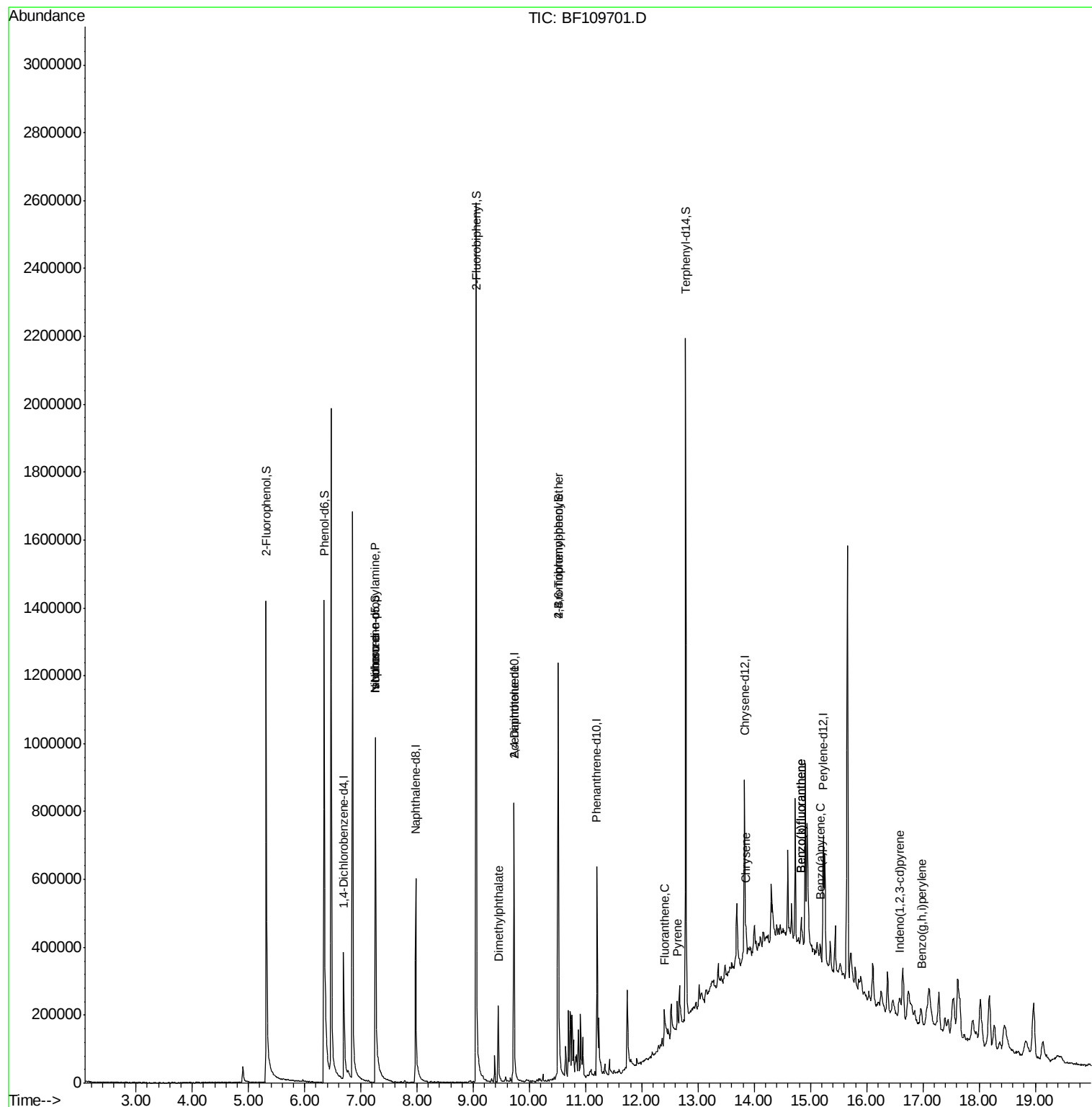
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	7.26	70	67311	13.569	ng	# 78
25) Isophorone	7.26	82	520227	45.938	ng	# 67
49) Dimethylphthalate	9.45	163	119072	9.287	ng	# 99
56) 2,4-Dinitrotoluene	9.72	165	22437	6.469	ng	# 19
66) 4-Bromophenyl-phenylether	10.51	248	11507	3.335	ng	# 1
74) Fluoranthene	12.41	202	50769	3.234	ng	# 98
77) Pyrene	12.63	202	43596	2.913	ng	# 98
82) Chrysene	13.86	228	27435	2.317	ng	# 96
85) Indeno(1,2,3-cd)pyrene	16.59	276	18322	2.162	ng	# 91
87) Benzo(b)fluoranthene	14.84	252	52406	4.642	ng	# 72
88) Benzo(k)fluoranthene	14.84	252	52406	4.620	ng	# 72
89) Benzo(a)pyrene	15.17	252	23584	2.302	ng	# 70
91) Benzo(a,h,i)perylene	16.99	276	17719	2.109	ng	# 88

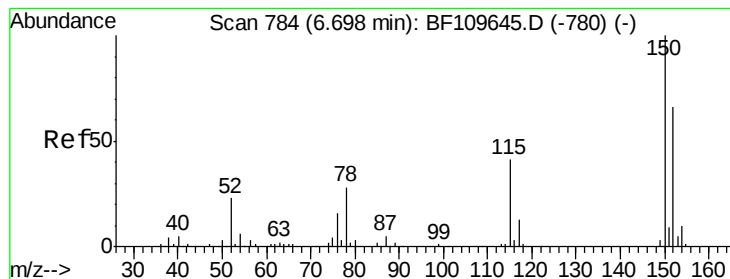
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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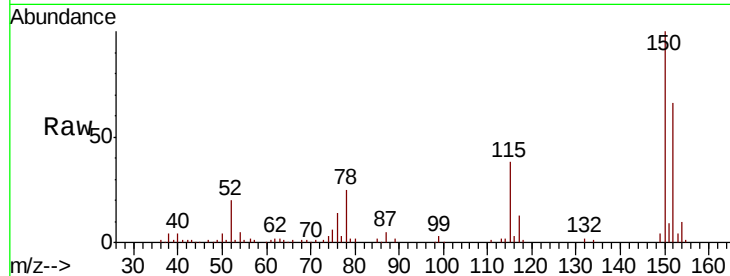


#1

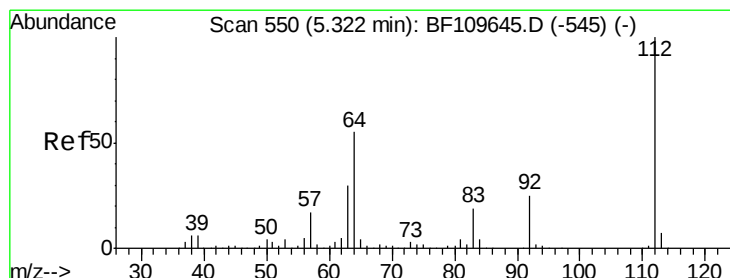
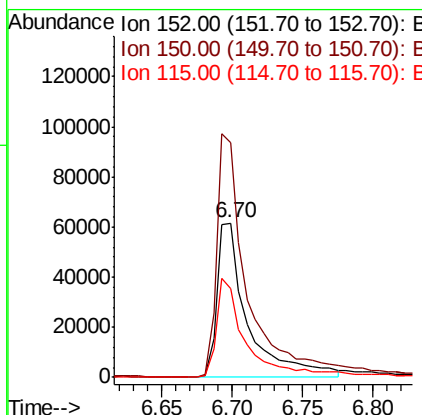
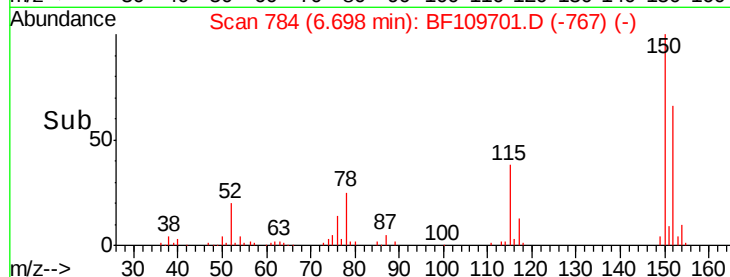
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.70 min Scan# 784
Delta R.T. 0.00 min
Lab File: BF109701.D
Acq: 9 Oct 2018 18:07

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 93993
Ion Ratio Lower Upper
152 100
150 151.8 122.7 184.1
115 57.5 49.1 73.7



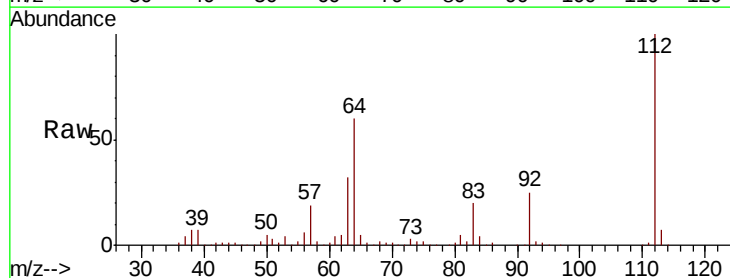
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



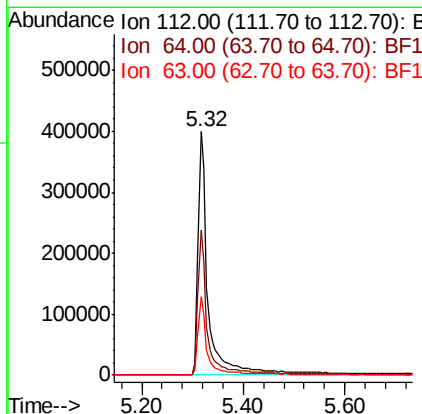
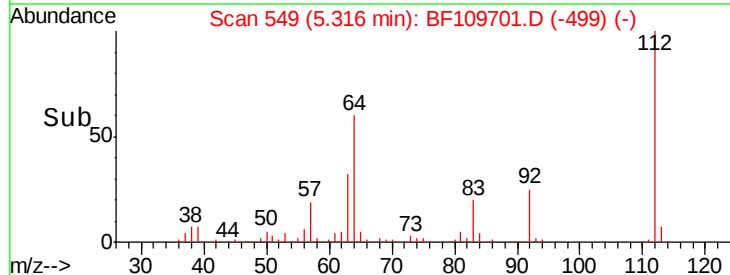
#5

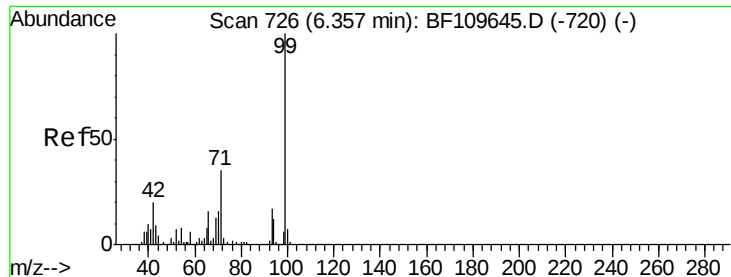
2-Fluorophenol
Concen: 107.850 ng
RT: 5.32 min Scan# 549
Delta R.T. -0.00 min
Lab File: BF109701.D
Acq: 9 Oct 2018 18:07

Tgt Ion:112 Resp: 571098
Ion Ratio Lower Upper
112 100
64 59.8 44.1 66.1
63 32.0 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: 106.892 ng

RT: 6.35 min Scan# 724

Delta R.T. -0.01 min

Lab File: BF109701.D

Acq: 9 Oct 2018 18:07

Instrument :

BNA_F

ClientSampleId :

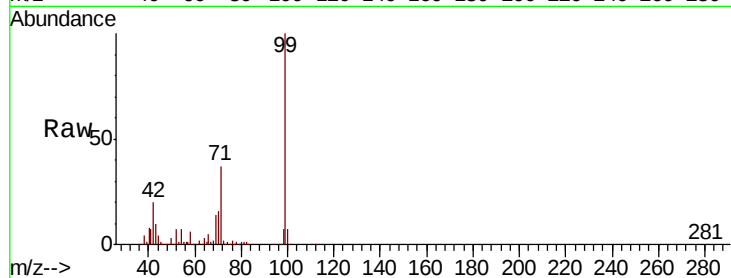
Tot Ion: 99 Resp: 756144

Ion Ratio Lower Upper

99 100

42 20.0 15.8 23.6

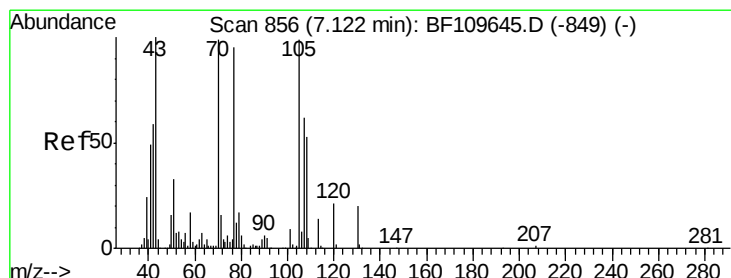
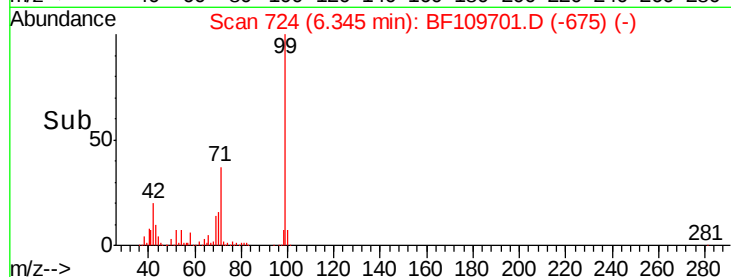
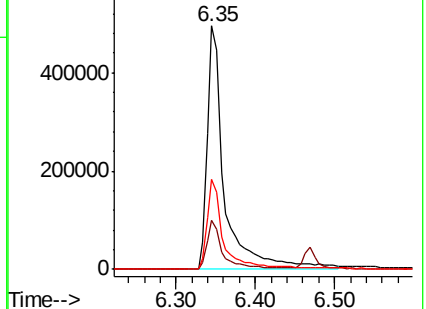
71 36.9 28.0 42.0



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: 13.569 ng

RT: 7.26 min Scan# 879

Delta R.T. 0.14 min

Lab File: BF109701.D

Acq: 9 Oct 2018 18:07

Tgt Ion: 70 Resp: 67311

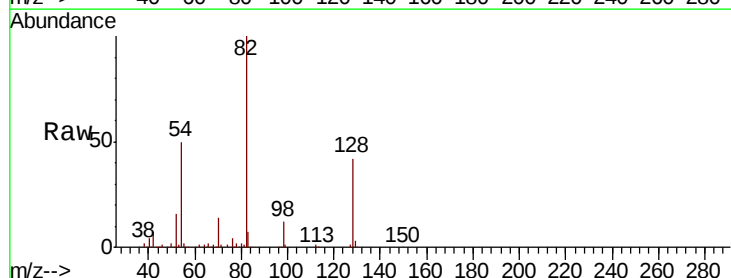
Ion Ratio Lower Upper

70 100

42 47.2 47.4 71.2#

101 0.0 7.3 10.9#

130 2.1 16.2 24.2#

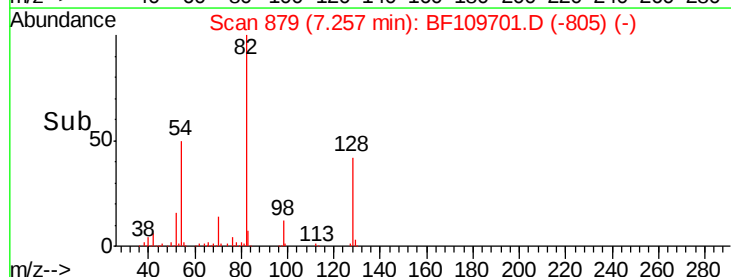
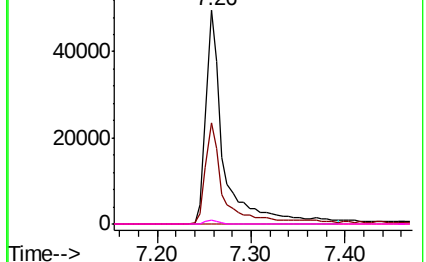


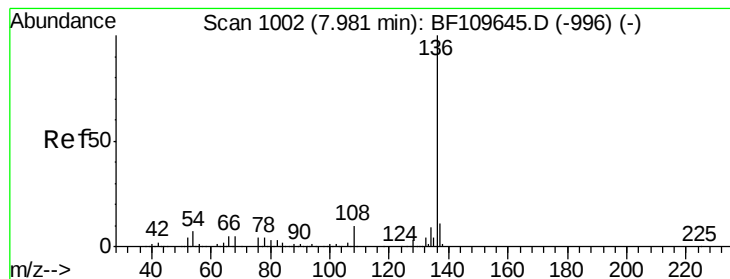
Abundance Ion 70.00 (69.70 to 70.70): BF1

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: 7.97 min Scan# 1001

Delta R.T. -0.01 min

Lab File: BF109701.D

Acq: 9 Oct 2018 18:07

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 375928

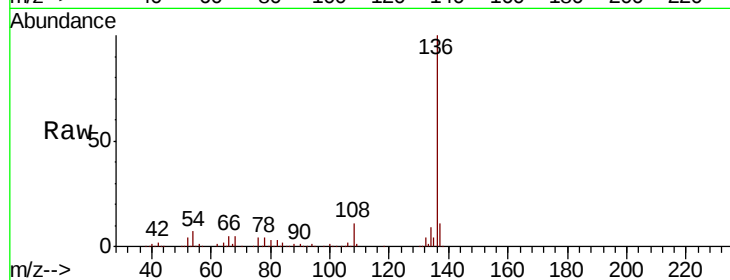
Ion Ratio Lower Upper

136 100

137 11.0 8.8 13.2

54 6.5 5.4 8.2

68 5.1 4.2 6.2

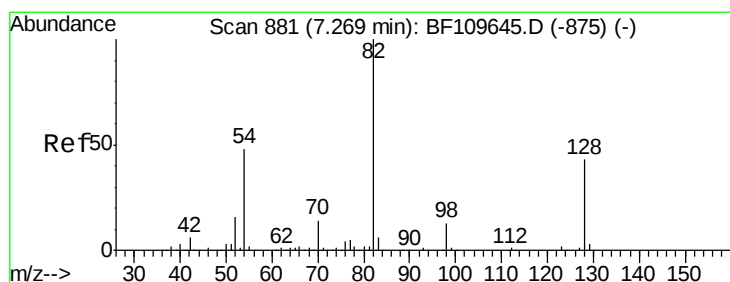
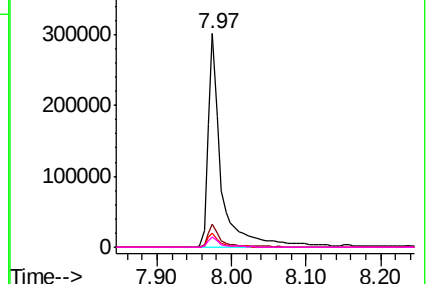
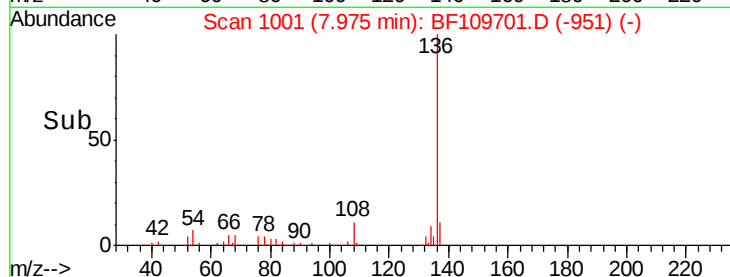


Abundance Ion 136.00 (135.70 to 136.70): E

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: 76.088 ng

RT: 7.26 min Scan# 879

Delta R.T. -0.01 min

Lab File: BF109701.D

Acq: 9 Oct 2018 18:07

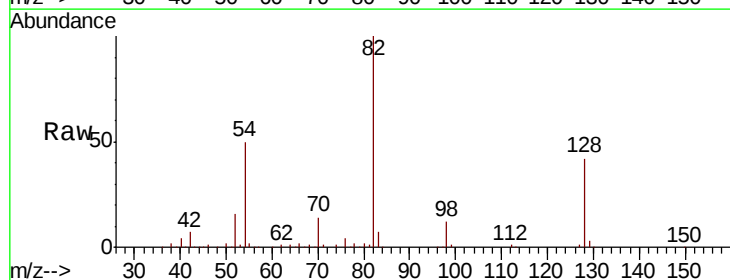
Tgt Ion: 82 Resp: 518899

Ion Ratio Lower Upper

82 100

128 42.1 34.2 51.2

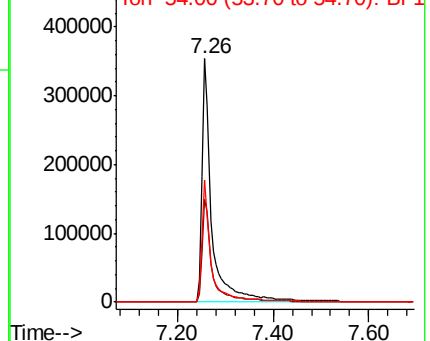
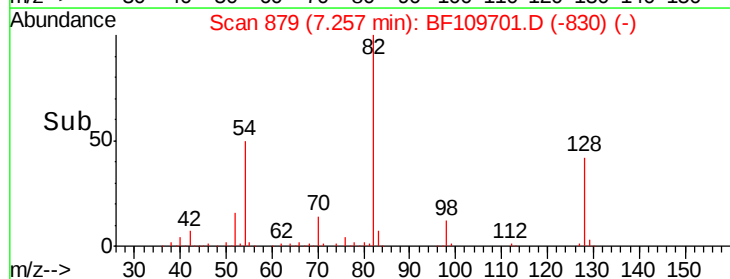
54 50.0 38.6 58.0

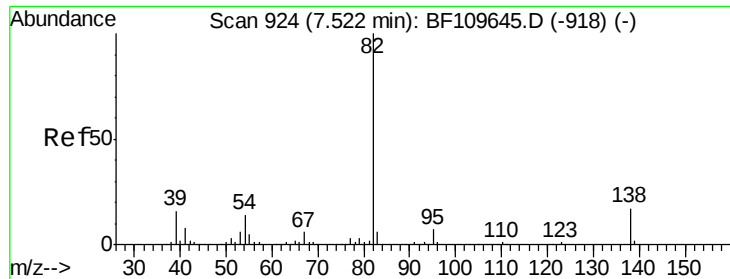


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 45.938 ng

RT: 7.26 min Scan# 879

Delta R.T. -0.26 min

Lab File: BF109701.D

Acq: 9 Oct 2018 18:07

Instrument :

BNA_F

ClientSampleId :

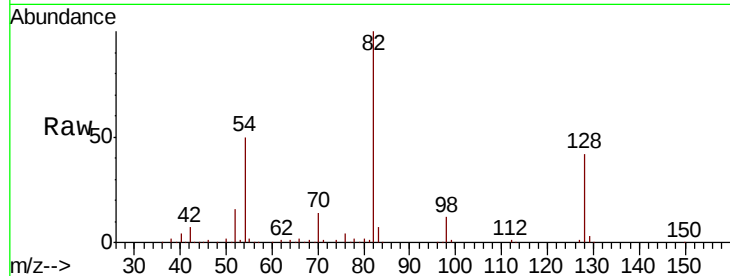
Tot Ion: 82 Resp: 520227

Ion Ratio Lower Upper

82 100

95 0.0 5.7 8.5#

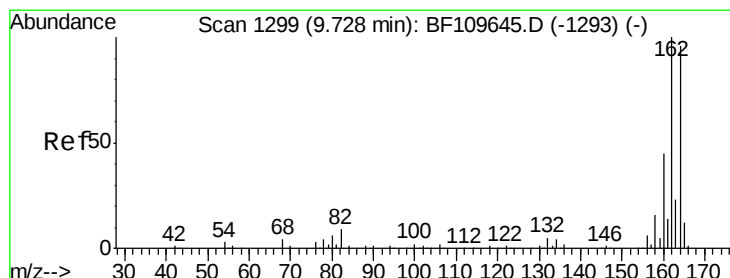
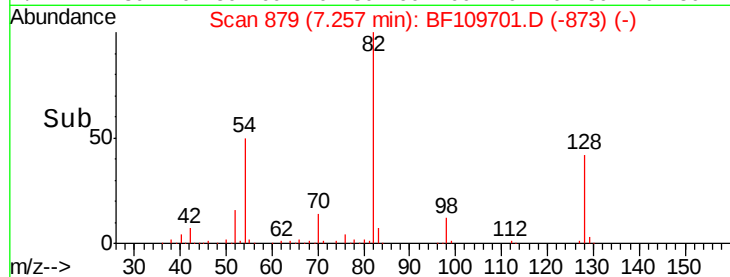
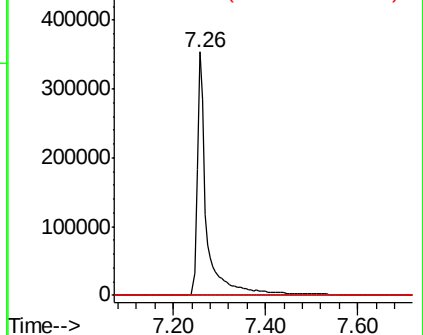
138 0.0 13.2 19.8#



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: BF109701.D

Acq: 9 Oct 2018 18:07

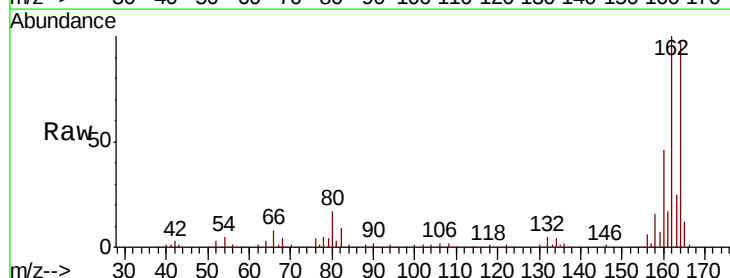
Tgt Ion:164 Resp: 174820

Ion Ratio Lower Upper

164 100

162 103.4 83.0 124.6

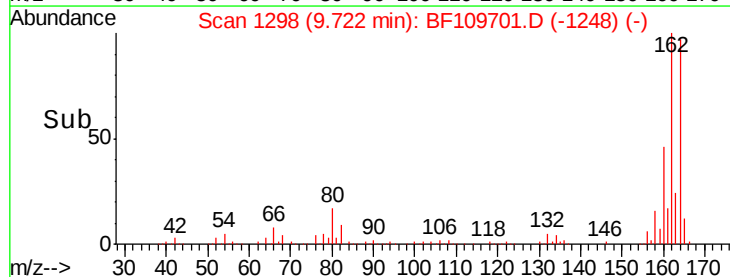
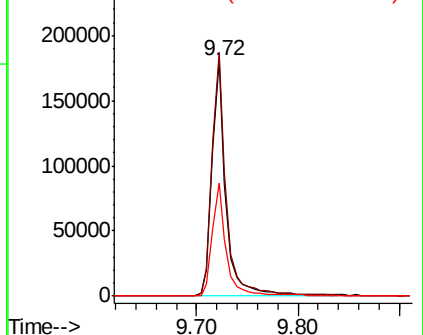
160 47.9 37.0 55.6

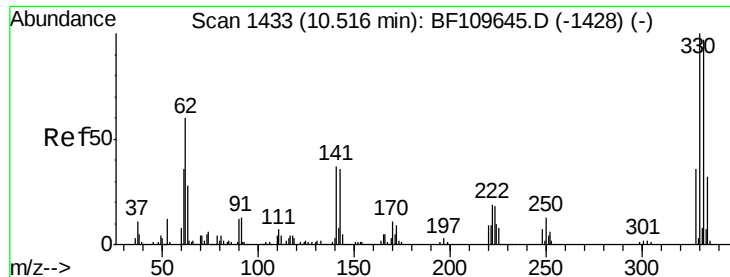


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

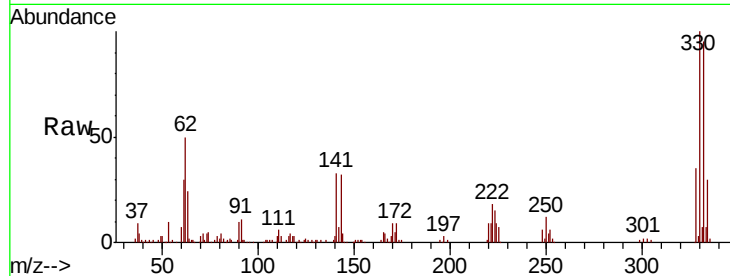




#41
 2,4,6-Tribromophenol
 Concen: 100.647 ng
 RT: 10.51 min Scan# 1432
 Delta R.T. -0.01 min
 Lab File: BF109701.D
 Acq: 9 Oct 2018 18:07

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	94.9	77.1	115.7
141	34.4	27.0	40.4

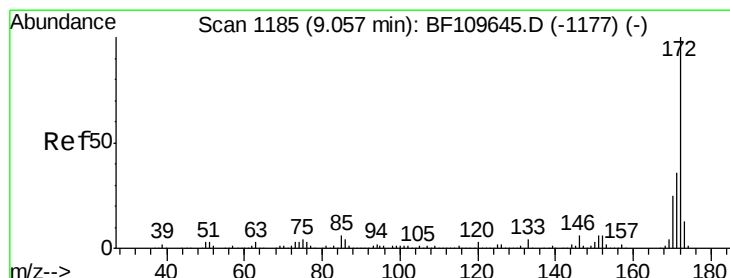
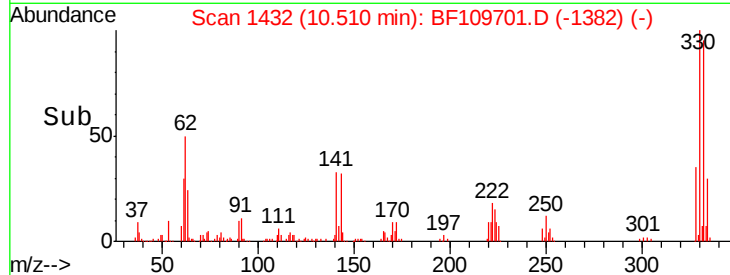
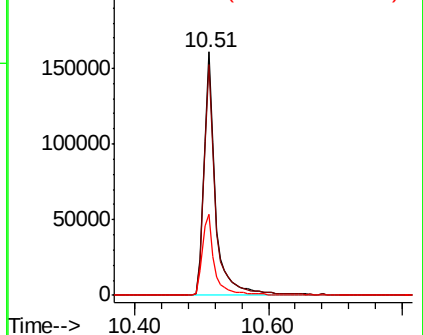


Abundance

Ion 329.80 (329.50 to 330.50): E

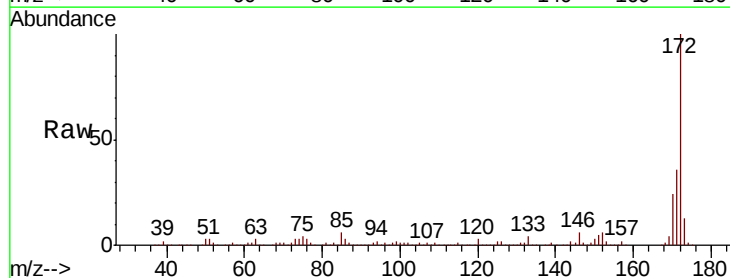
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#44
 2-Fluorobiphenyl
 Concen: 76.521 ng
 RT: 9.05 min Scan# 1184
 Delta R.T. -0.01 min
 Lab File: BF109701.D
 Acq: 9 Oct 2018 18:07

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.6	28.6	43.0
170	24.4	19.7	29.5

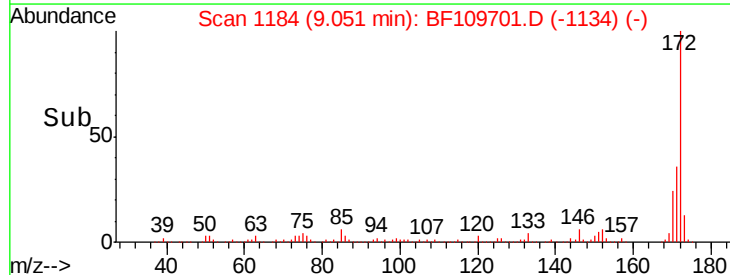
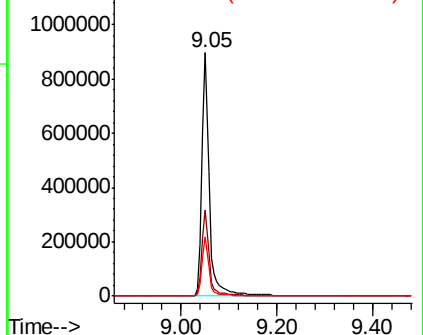


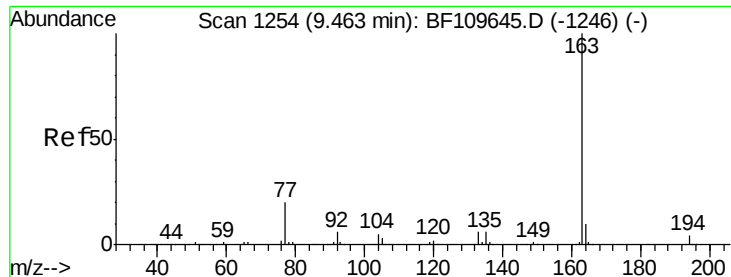
Abundance

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

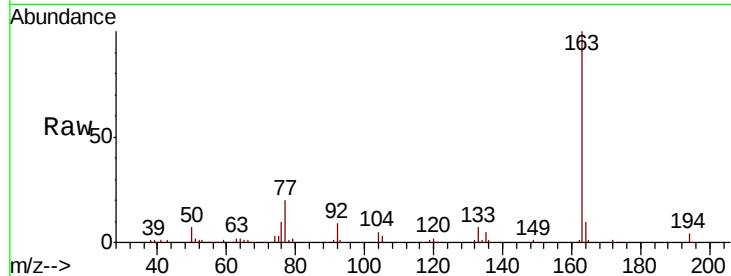




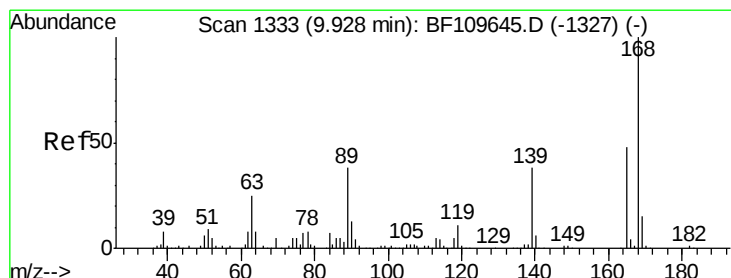
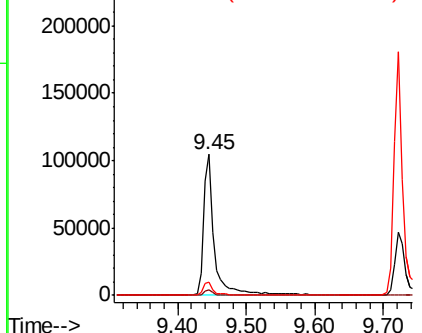
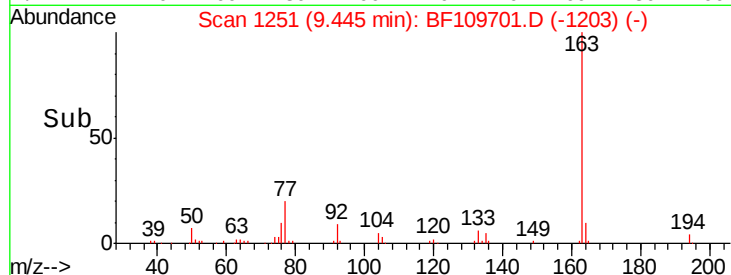
#49
Dimethylphthalate
Concen: 9.287 ng
RT: 9.45 min Scan# 1251
Delta R.T. -0.02 min
Lab File: BF109701.D
Acq: 9 Oct 2018 18:07

Instrument :
BNA_F
ClientSampled :

Tot Ion:163 Resp: 119072
Ion Ratio Lower Upper
163 100
194 3.8 3.2 4.8
164 9.8 8.1 12.1

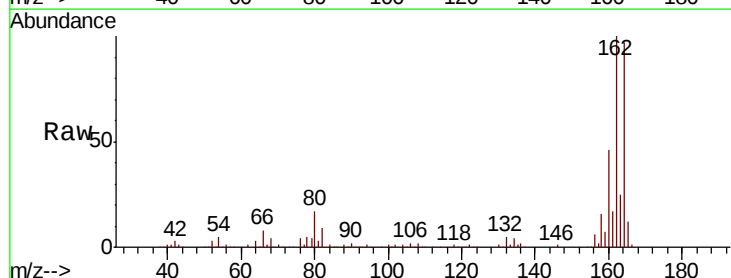


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

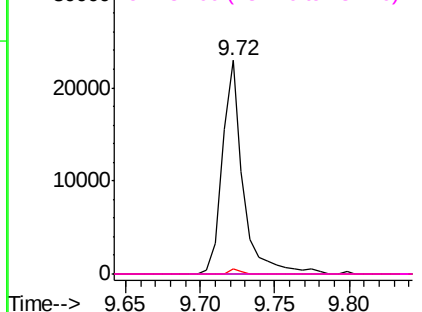
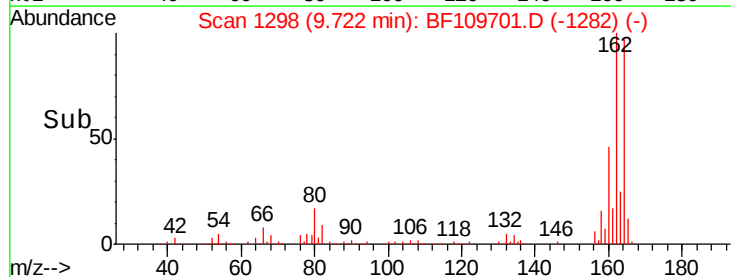


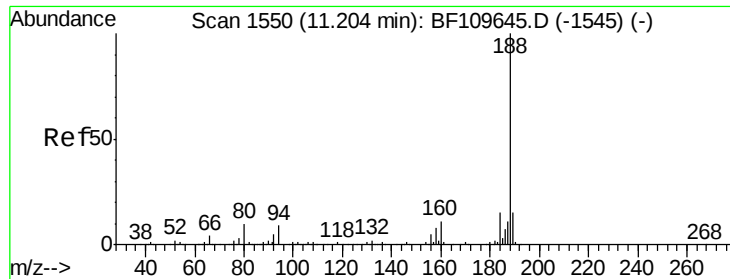
#56
2,4-Dinitrotoluene
Concen: 6.469 ng
RT: 9.72 min Scan# 1298
Delta R.T. -0.21 min
Lab File: BF109701.D
Acq: 9 Oct 2018 18:07

Tgt Ion:165 Resp: 22437
Ion Ratio Lower Upper
165 100
63 0.0 44.8 67.2#
89 2.5 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

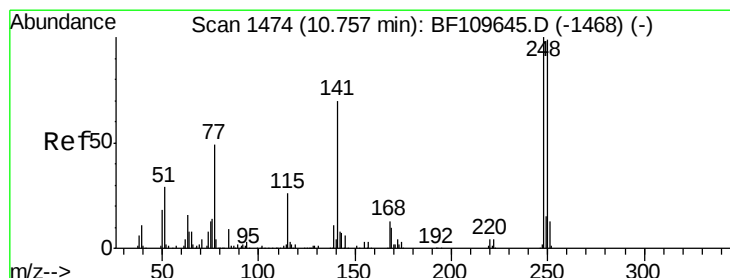
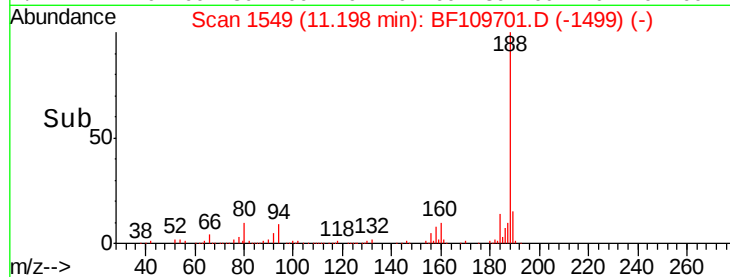
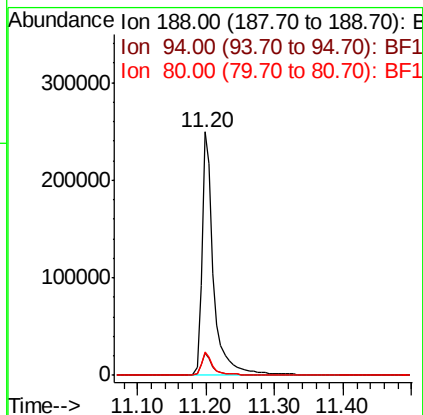
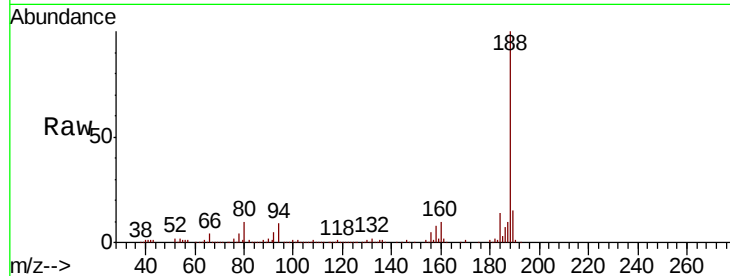




#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.20 min Scan# 1549
Delta R.T. -0.01 min
Lab File: BF109701.D
Acq: 9 Oct 2018 18:07

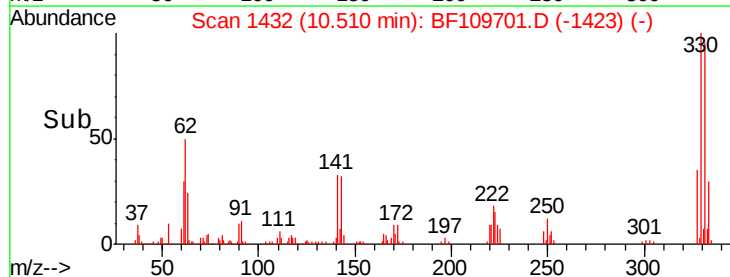
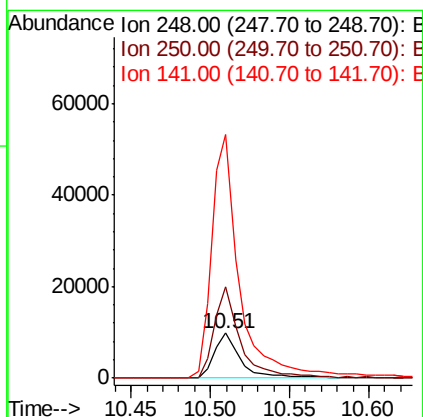
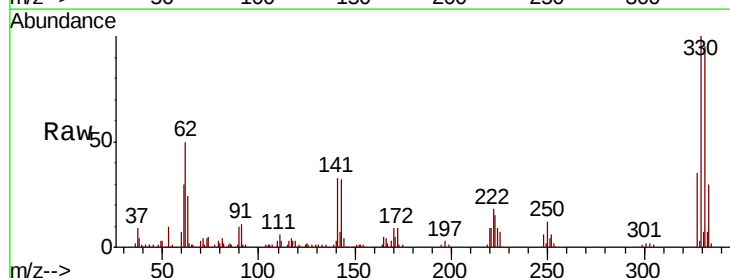
Instrument :
BNA_F
ClientSampleId :

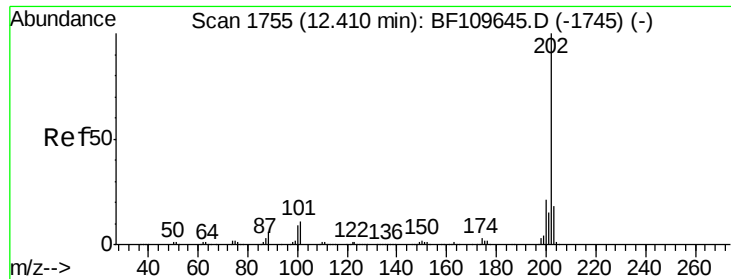
Tot Ion:188 Resp: 300263
Ion Ratio Lower Upper
188 100
94 8.9 7.2 10.8
80 9.7 7.9 11.9



#66
4-Bromophenyl-phenylether
Concen: 3.335 ng
RT: 10.51 min Scan# 1432
Delta R.T. -0.25 min
Lab File: BF109701.D
Acq: 9 Oct 2018 18:07

Tgt Ion:248 Resp: 11507
Ion Ratio Lower Upper
248 100
250 203.2 79.4 119.2#
141 543.7 55.9 83.9#

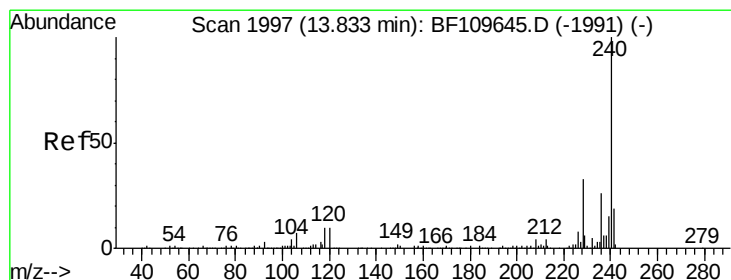
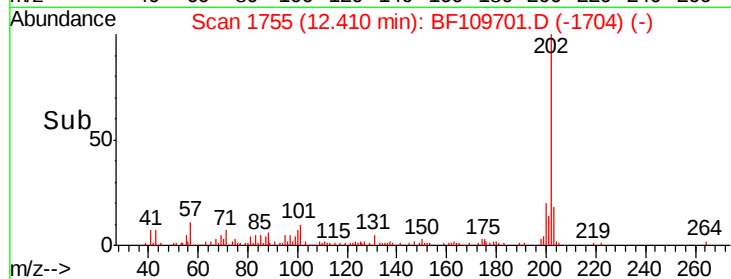
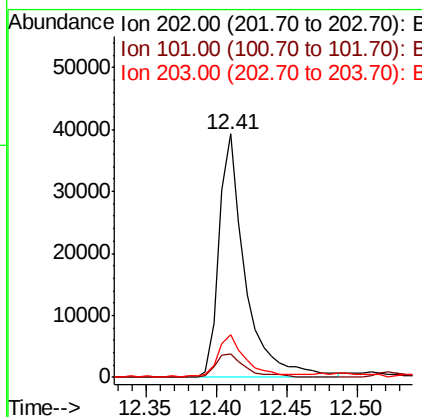
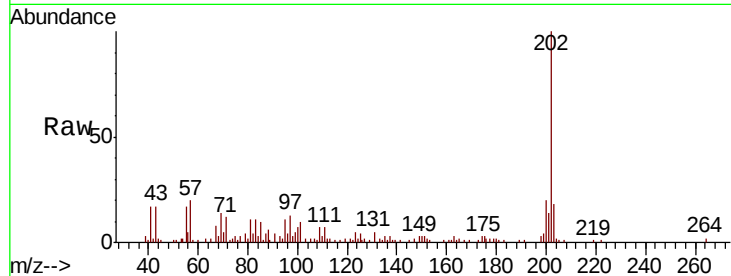




#74
 Fluoranthene
 Concen: 3.234 ng
 RT: 12.41 min Scan# 1755
 Delta R.T. 0.00 min
 Lab File: BF109701.D
 Acq: 9 Oct 2018 18:07

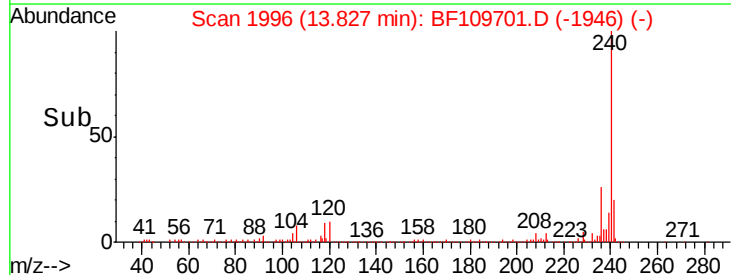
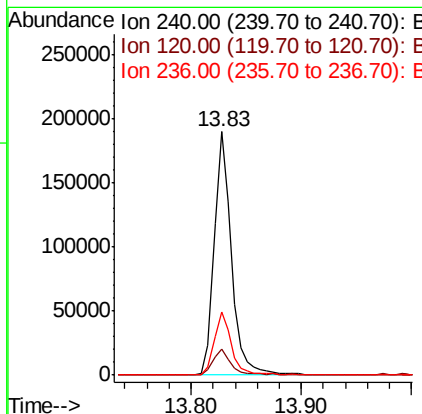
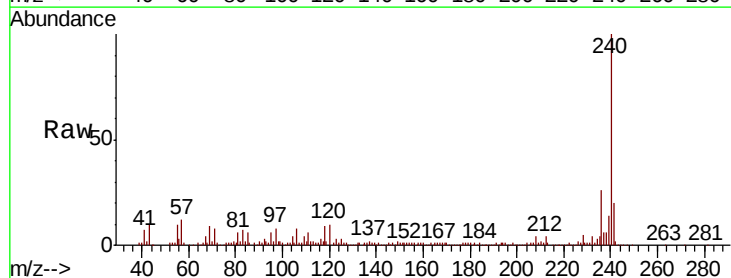
Instrument :
 BNA_F
 ClientSampled :

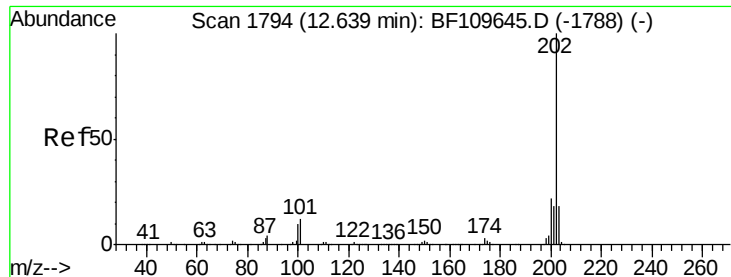
Tot Ion:	202	Resp:	50769
Ion	Ratio	Lower	Upper
202	100		
101	9.7	0.0	31.4
203	17.7	0.0	37.7



#75
 Chrysene-d12
 Concen: 20.000 ng
 RT: 13.83 min Scan# 1996
 Delta R.T. -0.01 min
 Lab File: BF109701.D
 Acq: 9 Oct 2018 18:07

Tgt Ion:	240	Resp:	204269
Ion	Ratio	Lower	Upper
240	100		
120	10.5	8.3	12.5
236	26.1	21.2	31.8

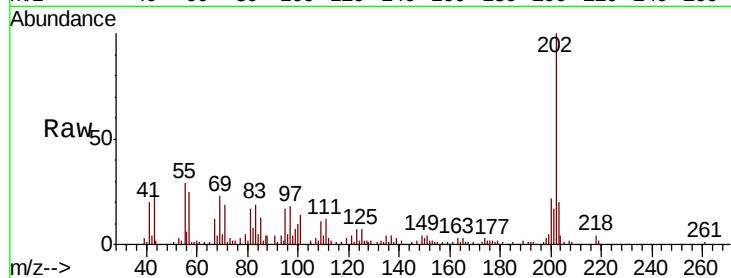




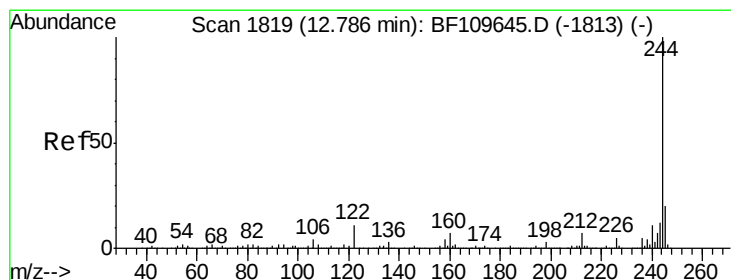
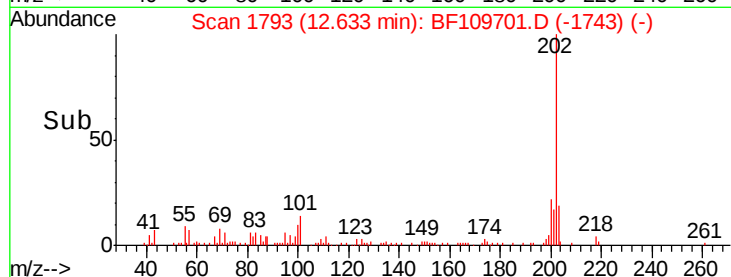
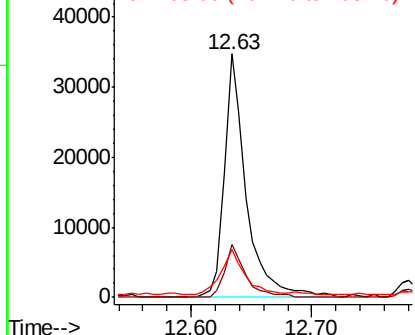
#77
Pvrene
Concen: 2.913 ng
RT: 12.63 min Scan# 1793
Delta R.T. -0.01 min
Lab File: BF109701.D
Acq: 9 Oct 2018 18:07

Instrument :
BNA_F
ClientSampleId :

Tot Ion:202 Resp: 43596
Ion Ratio Lower Upper
202 100
200 21.9 17.8 26.6
203 19.9 14.2 21.4

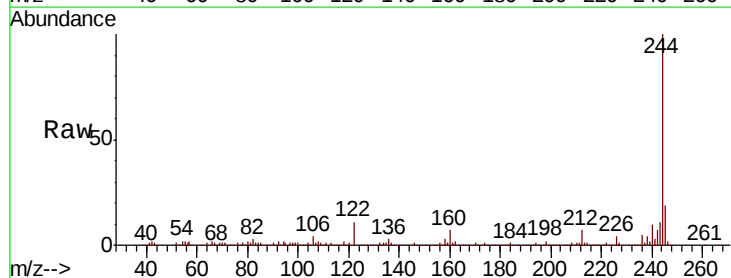


Abundance Ion 202.00 (201.70 to 202.70): E
Ion 200.00 (199.70 to 200.70): E
Ion 203.00 (202.70 to 203.70): E

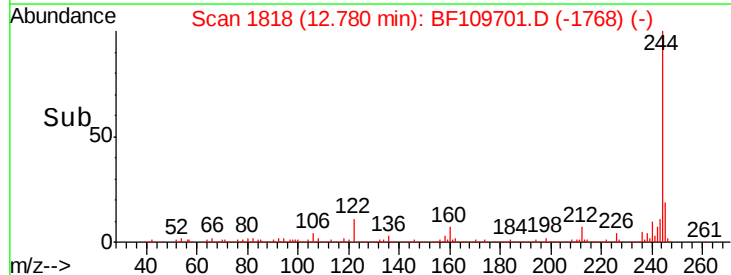
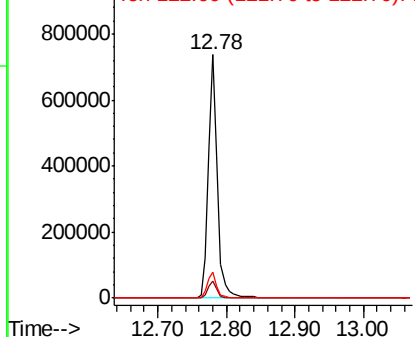


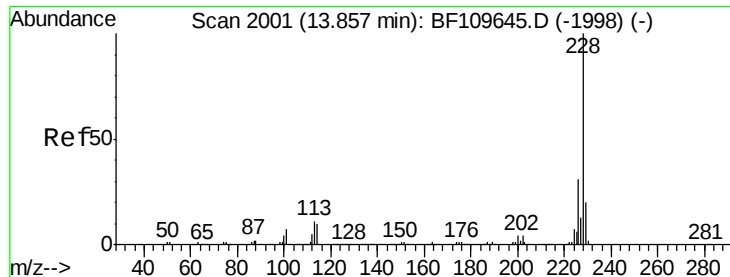
#78
Terphenyl-d14
Concen: 66.172 ng
RT: 12.78 min Scan# 1818
Delta R.T. -0.01 min
Lab File: BF109701.D
Acq: 9 Oct 2018 18:07

Tgt Ion:244 Resp: 698242
Ion Ratio Lower Upper
244 100
212 7.0 5.8 8.8
122 10.9 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

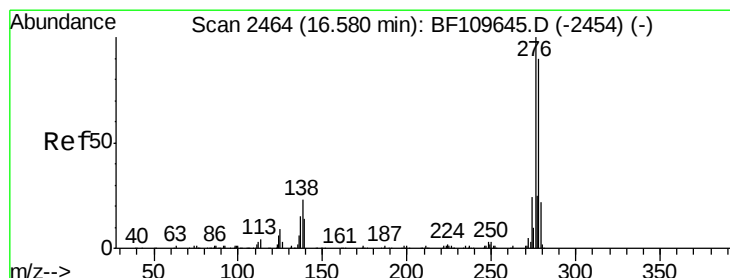
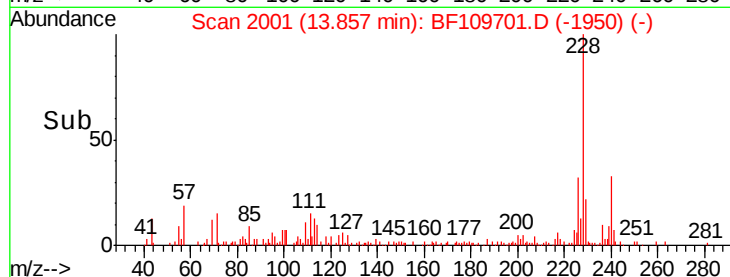
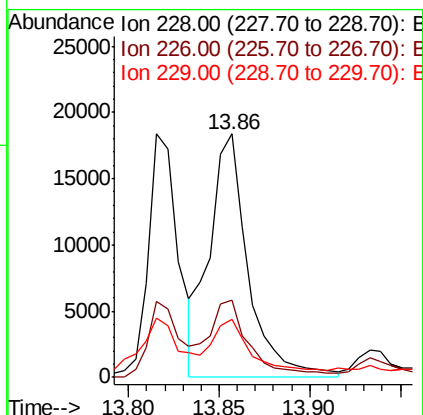
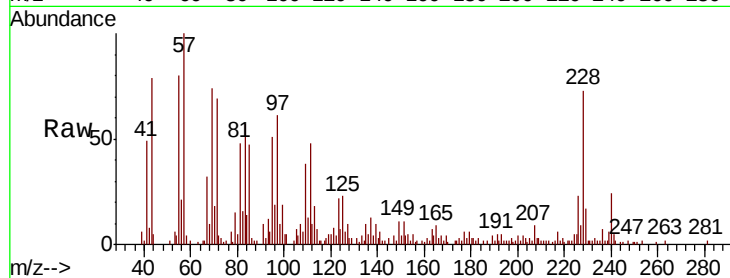




#82
Chrysene
Concen: 2.317 ng
RT: 13.86 min Scan# 2001
Delta R.T. 0.00 min
Lab File: BF109701.D
Acq: 9 Oct 2018 18:07

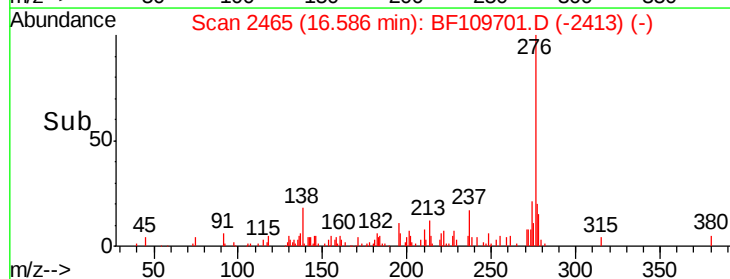
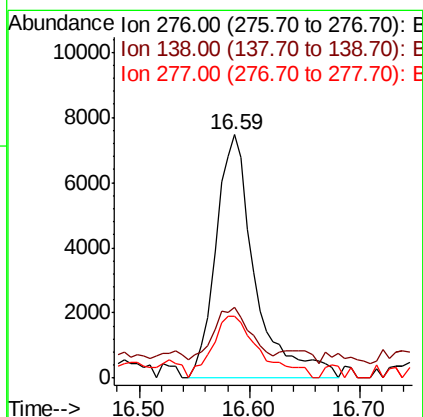
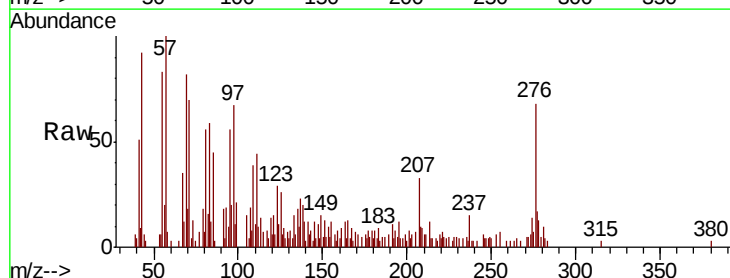
Instrument :
BNA_F
ClientSampleId :

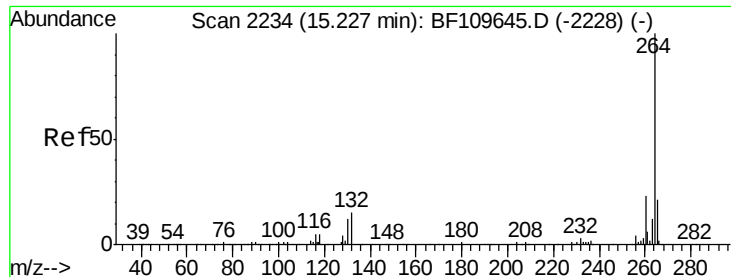
Tot Ion:228 Resp: 27435
Ion Ratio Lower Upper
228 100
226 32.0 24.7 37.1
229 23.8 15.9 23.9



#85
Indeno(1,2,3-cd)pyrene
Concen: 2.162 ng
RT: 16.59 min Scan# 2465
Delta R.T. 0.01 min
Lab File: BF109701.D
Acq: 9 Oct 2018 18:07

Tgt Ion:276 Resp: 18322
Ion Ratio Lower Upper
276 100
138 19.7 18.5 27.7
277 30.6 20.0 30.0#

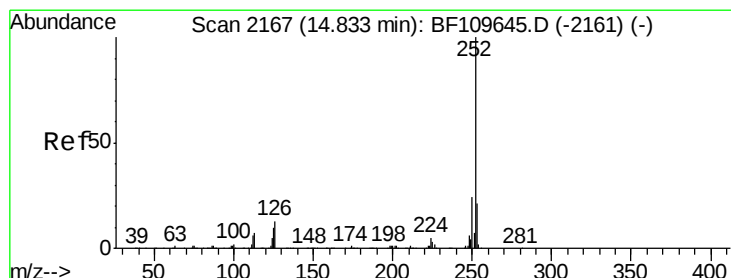
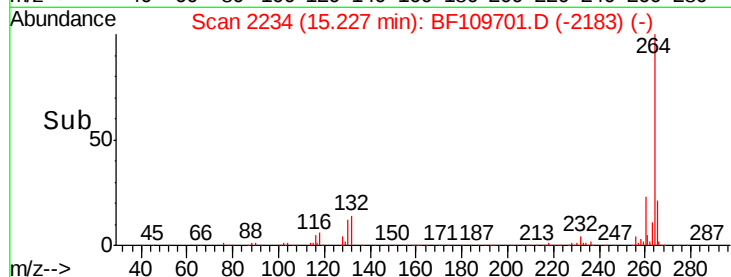
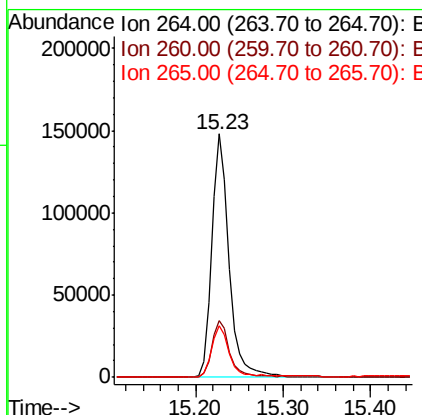
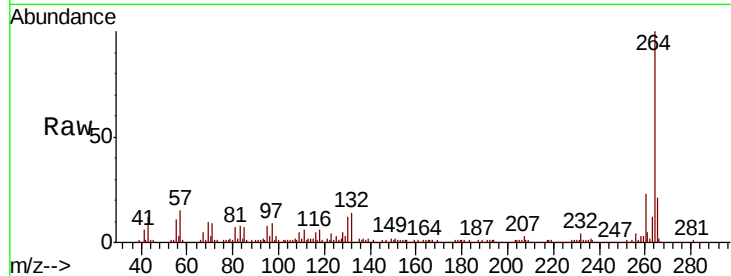




#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.23 min Scan# 2234
Delta R.T. 0.00 min
Lab File: BF109701.D
Acq: 9 Oct 2018 18:07

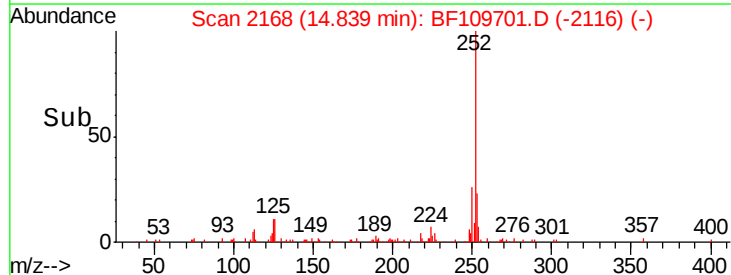
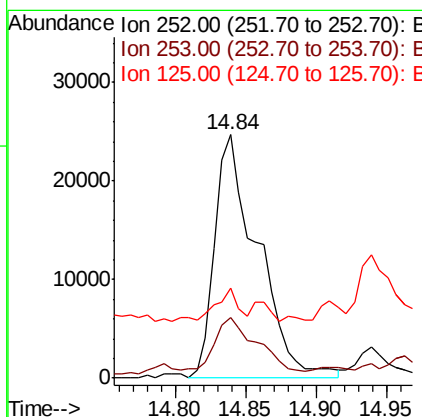
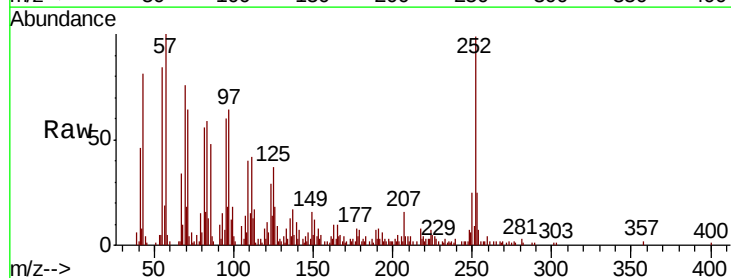
Instrument :
BNA_F
ClientSampleId :

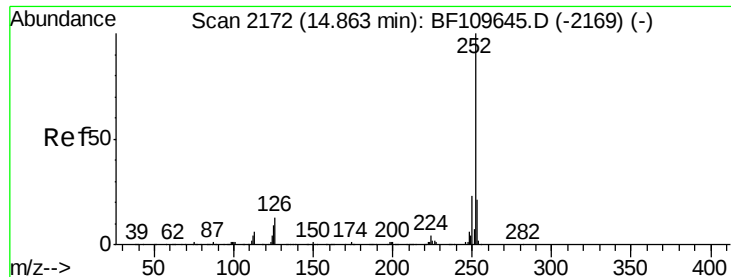
Tot Ion:264 Resp: 204306
Ion Ratio Lower Upper
264 100
260 23.3 18.7 28.1
265 21.3 16.7 25.1



#87
Benzo(b)fluoranthene
Concen: 4.642 ng
RT: 14.84 min Scan# 2168
Delta R.T. 0.01 min
Lab File: BF109701.D
Acq: 9 Oct 2018 18:07

Tgt Ion:252 Resp: 52406
Ion Ratio Lower Upper
252 100
253 24.7 17.2 25.8
125 37.1 8.2 12.4#

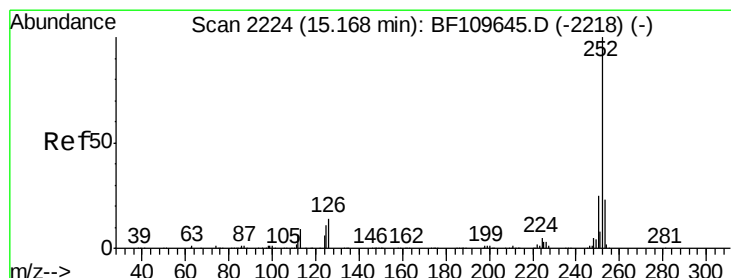
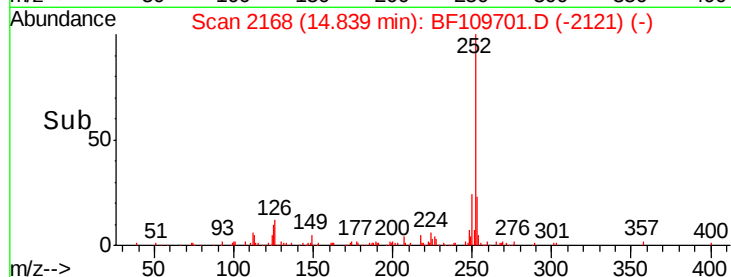
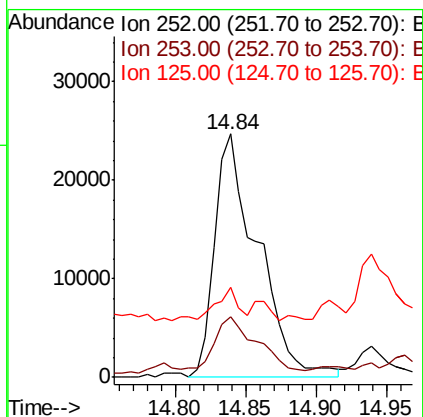
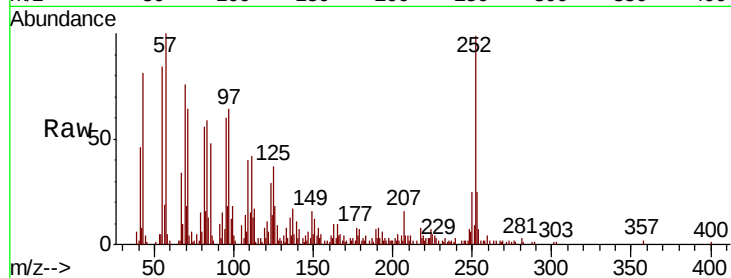




#88
Benzo(k)fluoranthene
Concen: 4.620 ng
RT: 14.84 min Scan# 2168
Delta R.T. -0.02 min
Lab File: BF109701.D
Acq: 9 Oct 2018 18:07

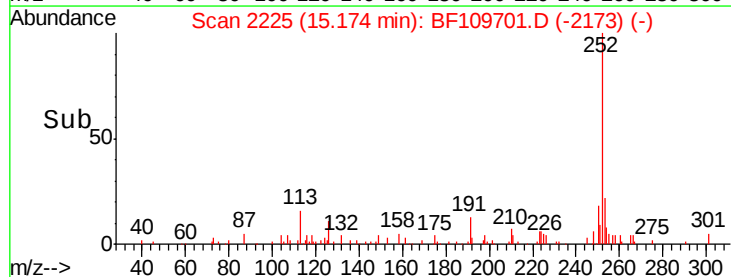
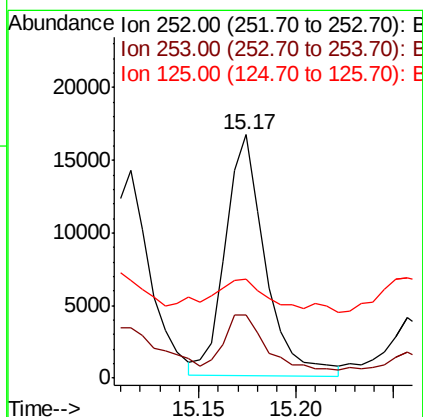
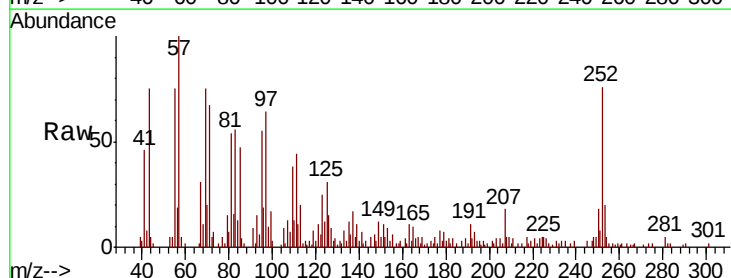
Instrument :
BNA_F
ClientSampleId :

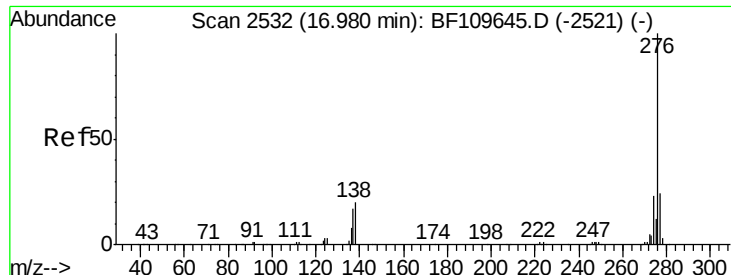
Tot Ion:252 Resp: 52406
Ion Ratio Lower Upper
252 100
253 24.7 17.2 25.8
125 37.1 7.4 11.0#



#89
Benzo(a)pyrene
Concen: 2.302 ng
RT: 15.17 min Scan# 2225
Delta R.T. 0.01 min
Lab File: BF109701.D
Acq: 9 Oct 2018 18:07

Tgt Ion:252 Resp: 23584
Ion Ratio Lower Upper
252 100
253 26.0 18.2 27.4
125 40.8 9.0 13.6#

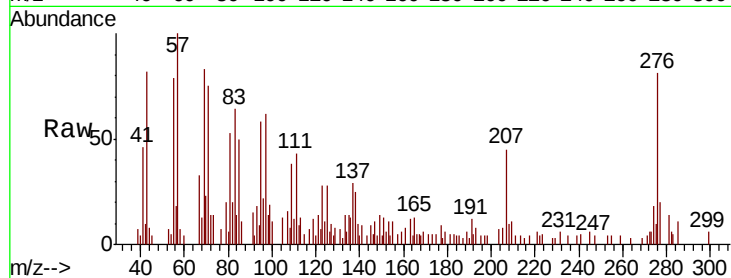




#91
 Benzo(a,h,i)perylene
 Concen: 2.109 ng
 RT: 16.99 min Scan# 2533
 Delta R.T. 0.01 min
 Lab File: BF109701.D
 Acq: 9 Oct 2018 18:07

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ion	Ratio	Lower	Upper
276	100			
277	24.8	18.8	28.2	
138	31.0	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

