

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF082118\
 Data File : BF108353.D
 Acq On : 21 Aug 2018 22:30
 Operator : JU/SJ
 Sample : J4497-01RE
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 CARLSTADT-FRONTRE

Quant Time: Aug 21 23:20:06 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF080818.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Aug 21 15:20:21 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.01	152	176109	20.00	ng	0.00
21) Naphthalene-d8	8.29	136	641768	20.00	ng	-0.01
38) Acenaphthene-d10	10.05	164	292198	20.00	ng	-0.02
63) Phenanthrene-d10	11.54	188	491326	20.00	ng	-0.02
75) Chrysene-d12	14.19	240	375787	20.00	ng	-0.02
86) Perylene-d12	15.75	264	335014	20.00	ng	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.64	112	940656	96.70	ng	0.00
7) Phenol-d6	6.63	99	1257101	97.25	ng	0.00
23) Nitrobenzene-d5	7.57	82	830204	72.19	ng	-0.01
41) 2,4,6-Tribromophenol	10.84	330	291576	100.04	ng	-0.02
44) 2-Fluorobiphenyl	9.36	172	1491202	81.93	ng	-0.02
78) Terphenyl-d14	13.13	244	1180083	79.84	ng	-0.02

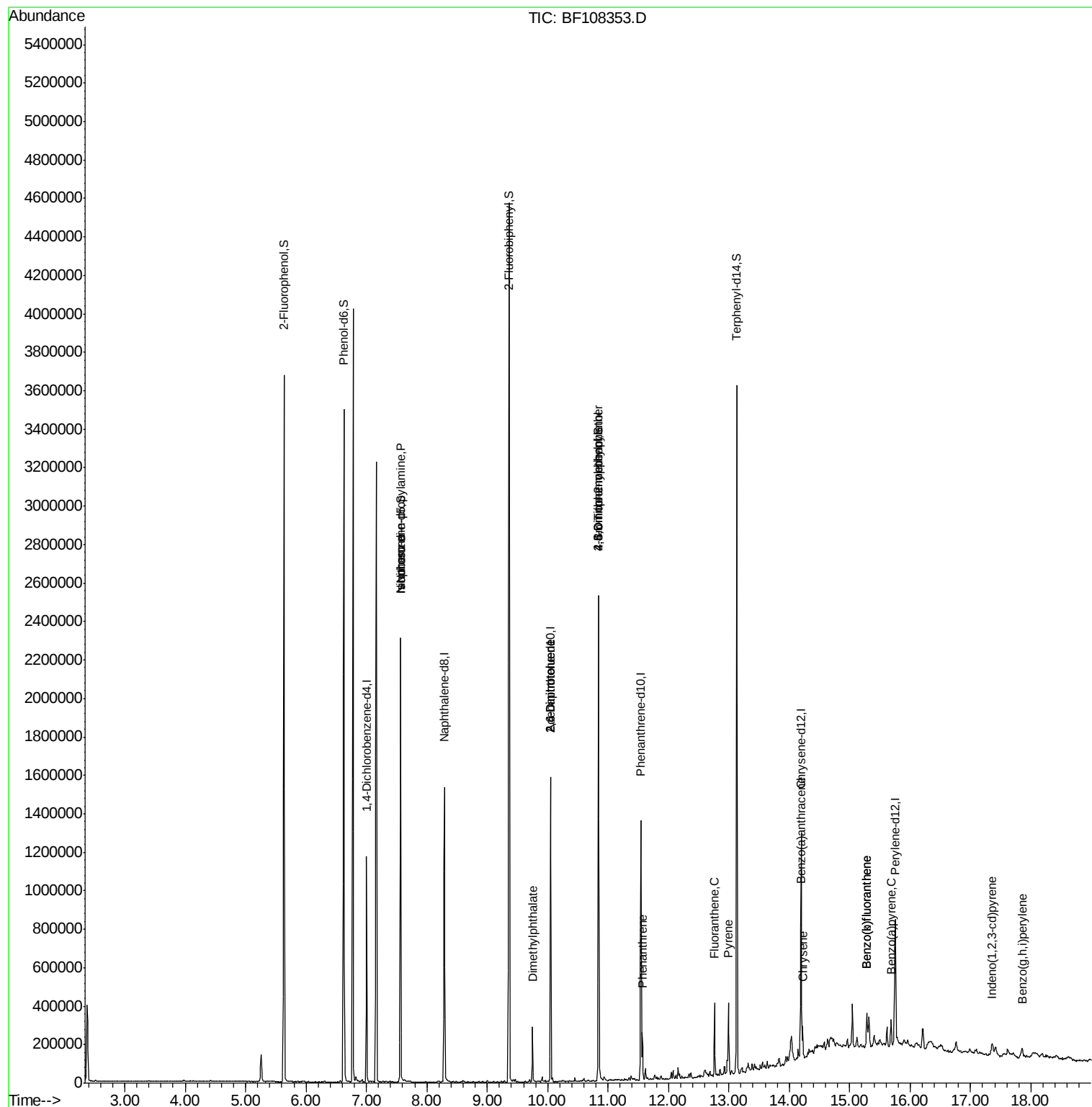
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	7.57	70	111389	12.743	ng	# 85
25) Isophorone	7.57	82	826490	37.703	ng	# 64
49) Dimethylphthalate	9.75	163	108155	5.314	ng	100
50) 2,6-Dinitrotoluene	10.05	165	37708	8.855	ng	# 25
56) 2,4-Dinitrotoluene	10.05	165	37708	6.879	ng	# 23
64) 4,6-Dinitro-2-methylphenol	10.84	198	657	5.675	ng	# 1
66) 4-Bromophenyl-phenylether	10.84	248	18816	3.524	ng	# 1
70) Phenanthrene	11.57	178	75412	3.254	ng	98
74) Fluoranthene	12.76	202	151394	5.986	ng	96
77) Pyrene	13.00	202	141611	5.952	ng	98
80) Benzo(a)anthracene	14.18	228	76837	3.563	ng	98
82) Chrysene	14.22	228	72952	3.690	ng	97
85) Indeno(1,2,3-cd)pyrene	17.36	276	41166	2.403	ng	# 85
87) Benzo(b)fluoranthene	15.28	252	135298	6.759	ng	97
88) Benzo(k)fluoranthene	15.28	252	135298	7.352	ng	97
89) Benzo(a)pyrene	15.68	252	63424	3.538	ng	97
91) Benzo(g,h,i)perylene	17.85	276	39276	2.689	ng	# 90

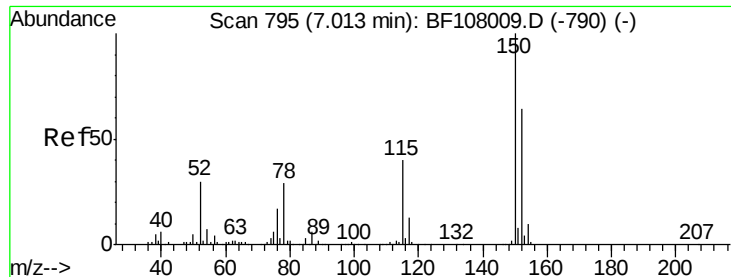
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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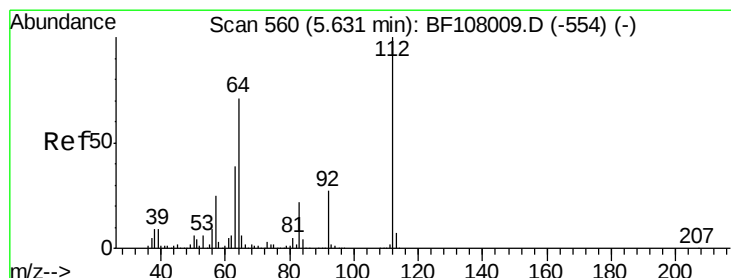
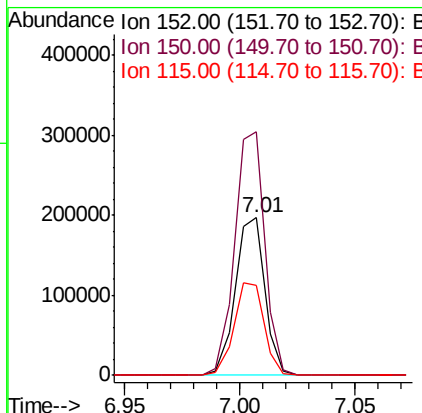
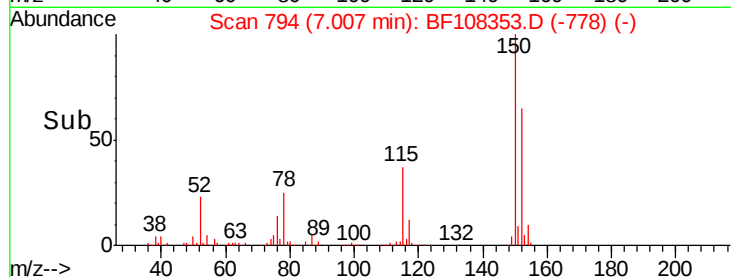
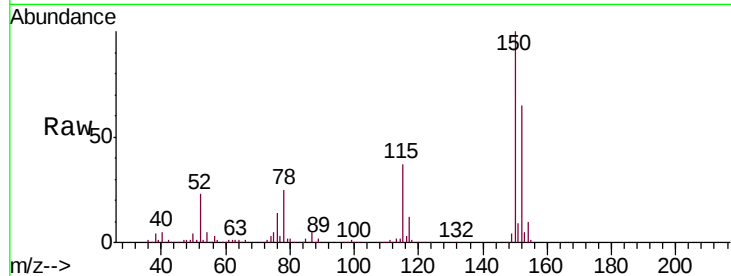


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.01 min Scan# 794
Delta R.T. -0.01 min
Lab File: BF108353.D
Acq: 21 Aug 2018 22:30

Instrument :
BNA_F
ClientSampleId :
CARLSTADT-FRONTRE

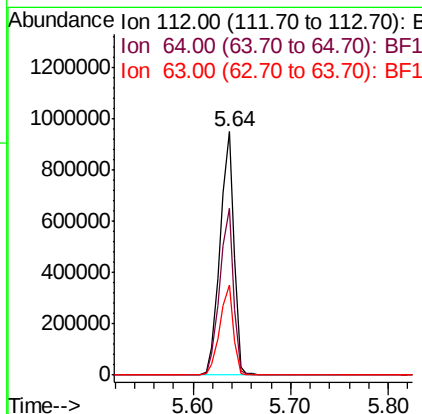
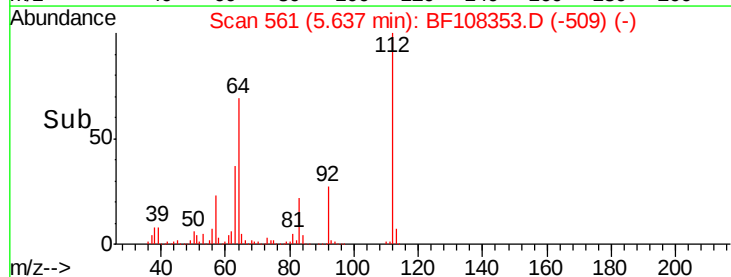
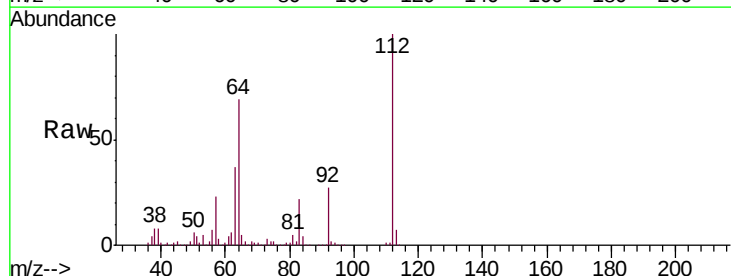
Tgt Ion:152 Resp: 176109
Ion Ratio Lower Upper
152 100
150 154.8 124.6 186.8
115 56.9 50.1 75.1

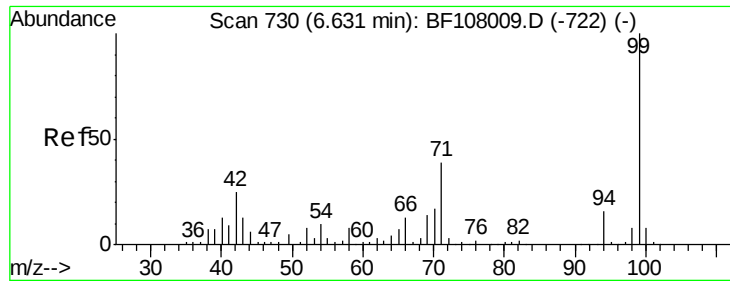


#5

2-Fluorophenol
Concen: 96.702 ng
RT: 5.64 min Scan# 561
Delta R.T. 0.01 min
Lab File: BF108353.D
Acq: 21 Aug 2018 22:30

Tgt Ion:112 Resp: 940656
Ion Ratio Lower Upper
112 100
64 68.7 47.9 71.9
63 36.8 23.7 35.5#





#7

Phenol-d6

Concen: 97.251 ng

RT: 6.63 min Scan# 730

Delta R.T. 0.00 min

Lab File: BF108353.D

Acq: 21 Aug 2018 22:30

Instrument :

BNA_F

ClientSampleId :

CARLSTADT-FRONTRE

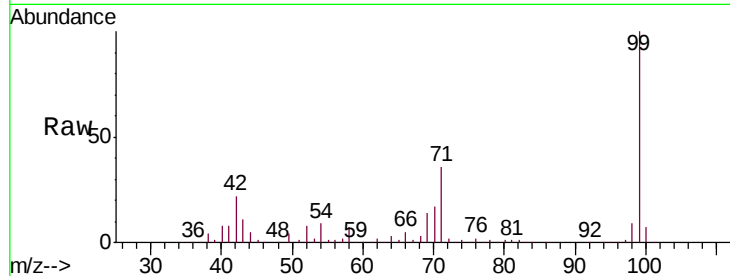
Tgt Ion: 99 Resp: 1257101

Ion Ratio Lower Upper

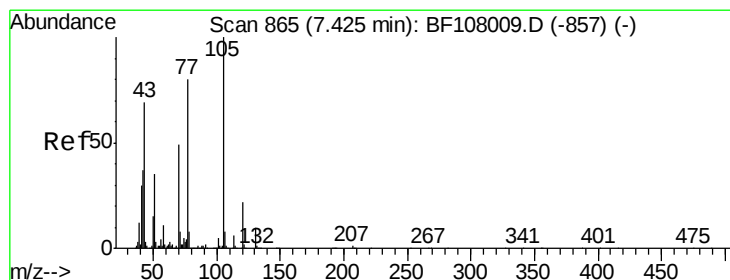
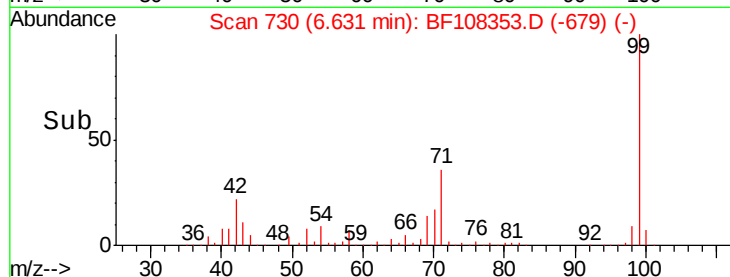
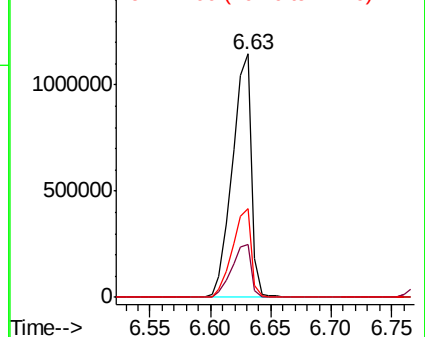
99 100

42 21.7 14.5 21.7#

71 36.3 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: 12.743 ng

RT: 7.57 min Scan# 889

Delta R.T. 0.14 min

Lab File: BF108353.D

Acq: 21 Aug 2018 22:30

Tgt Ion: 70 Resp: 111389

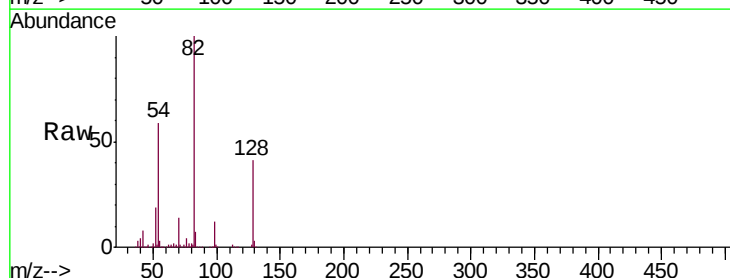
Ion Ratio Lower Upper

70 100

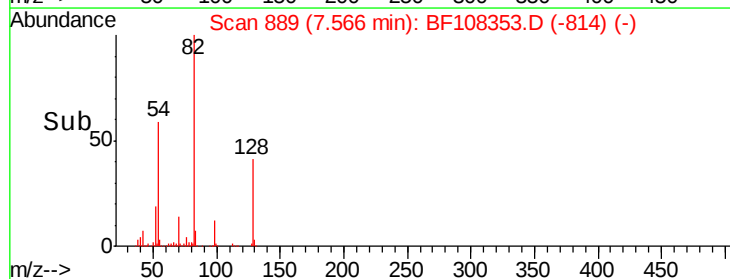
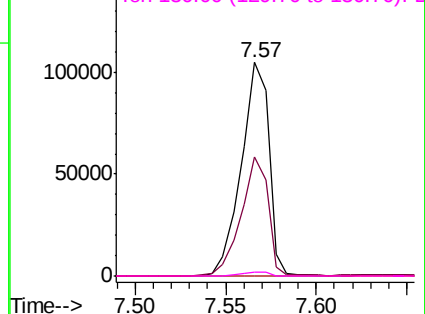
42 55.5 47.5 71.3

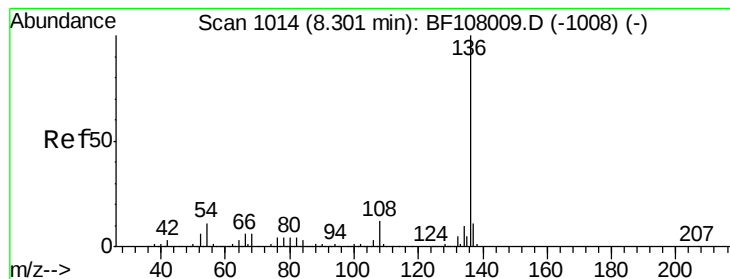
101 0.0 7.4 11.2#

130 2.0 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: 8.29 min Scan# 1012

Delta R.T. -0.01 min

Lab File: BF108353.D

Acq: 21 Aug 2018 22:30

Instrument :

BNA_F

ClientSampleId :

CARLSTADT-FRONTRE

Tgt Ion: 136 Resp: 641768

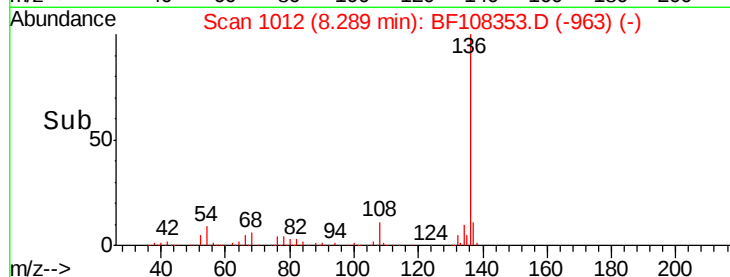
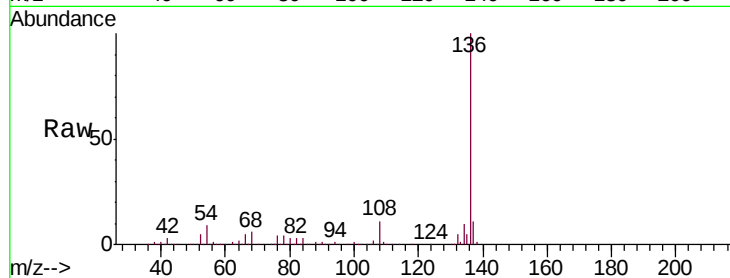
Ion Ratio Lower Upper

136 100

137 11.3 8.9 13.3

54 9.5 6.6 9.8

68 6.1 5.0 7.4

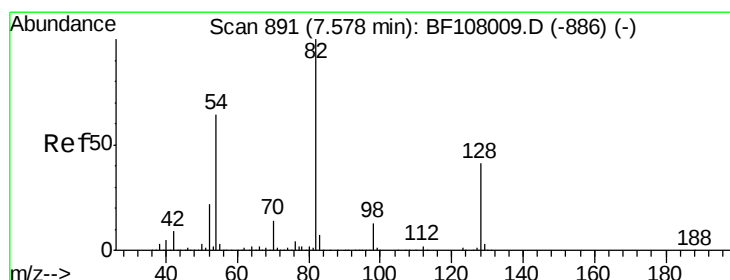
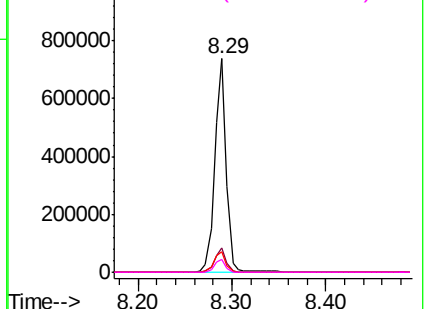


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF1

Ion 68.00 (67.70 to 68.70): BF1



#23

Nitrobenzene-d5

Concen: 72.186 ng

RT: 7.57 min Scan# 889

Delta R.T. -0.01 min

Lab File: BF108353.D

Acq: 21 Aug 2018 22:30

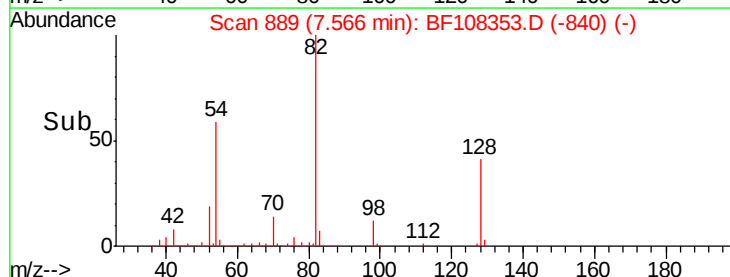
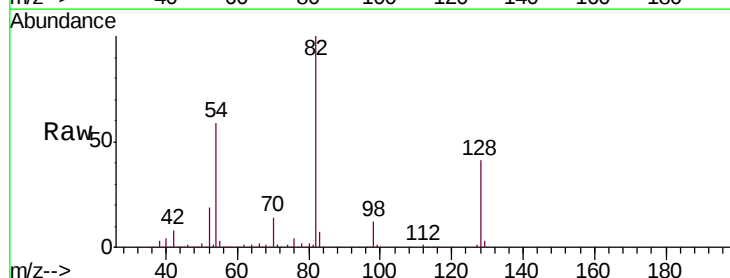
Tgt Ion: 82 Resp: 830204

Ion Ratio Lower Upper

82 100

128 40.8 36.1 54.1

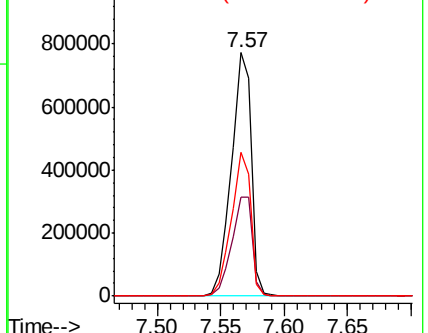
54 58.9 41.4 62.2

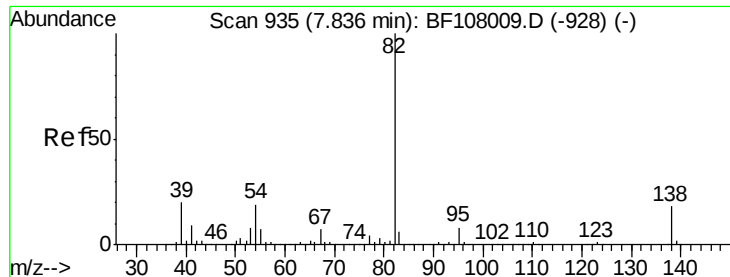


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1

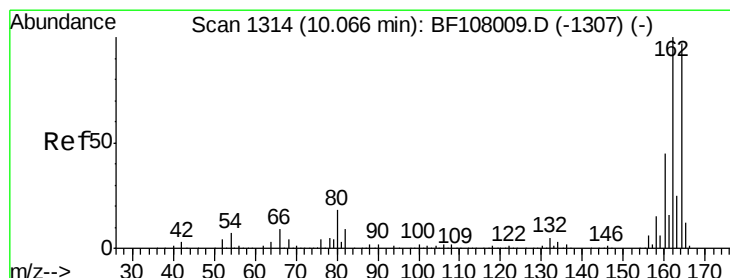
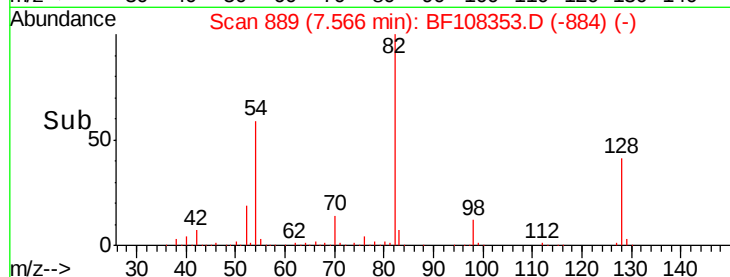
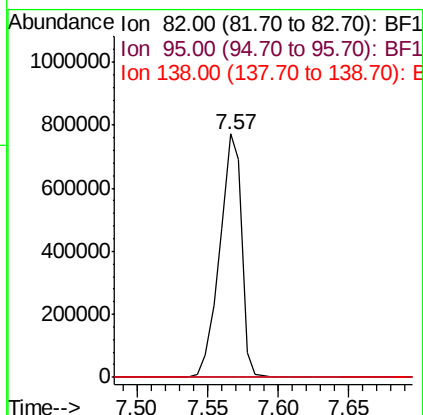
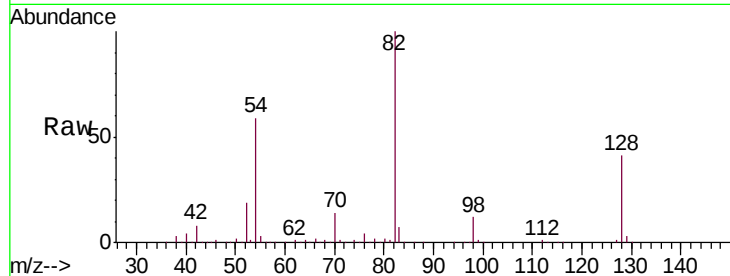




#25
Isophorone
Concen: 37.703 ng
RT: 7.57 min Scan# 889
Delta R.T. -0.27 min
Lab File: BF108353.D
Acq: 21 Aug 2018 22:30

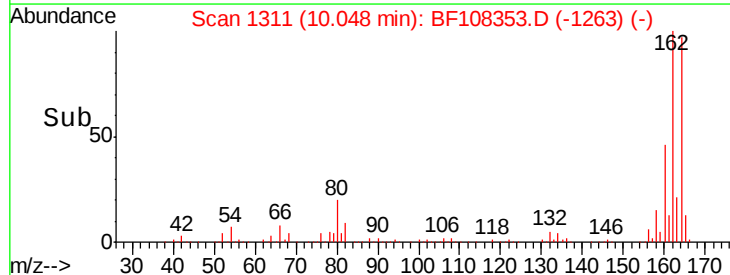
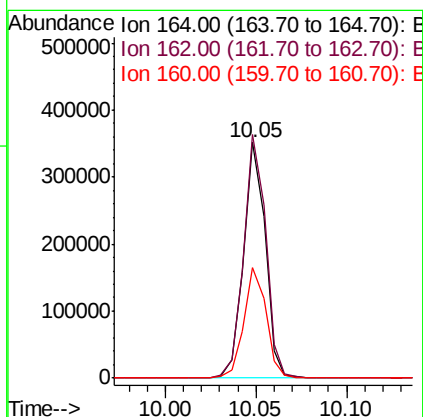
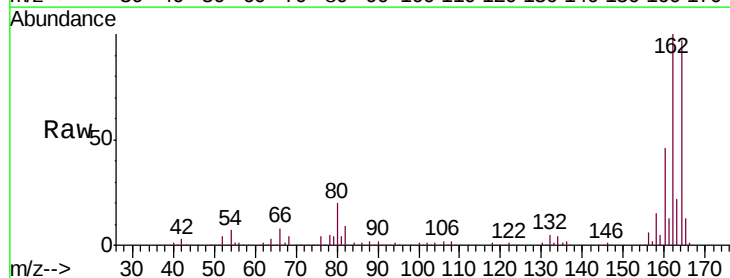
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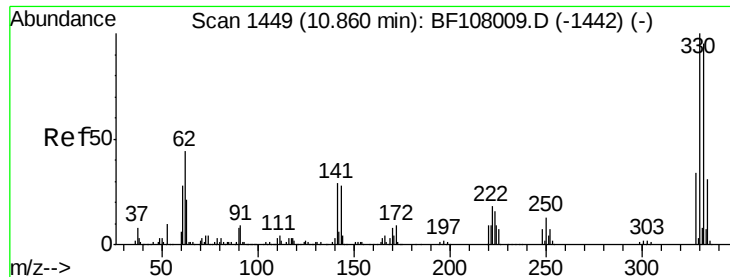
Tgt Ion: 82 Resp: 826490
Ion Ratio Lower Upper
82 100
95 0.0 5.2 7.8#
138 0.0 14.9 22.3#



#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.05 min Scan# 1311
Delta R.T. -0.02 min
Lab File: BF108353.D
Acq: 21 Aug 2018 22:30

Tgt Ion: 164 Resp: 292198
Ion Ratio Lower Upper
164 100
162 103.4 86.1 129.1
160 47.2 38.3 57.5

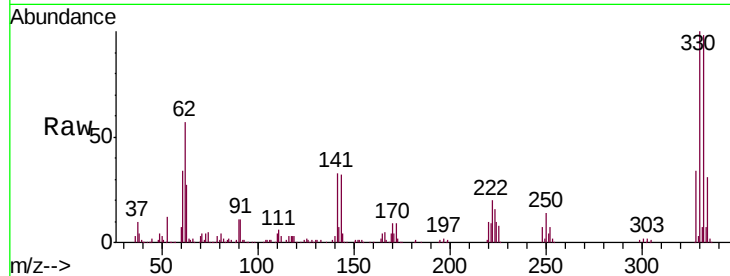




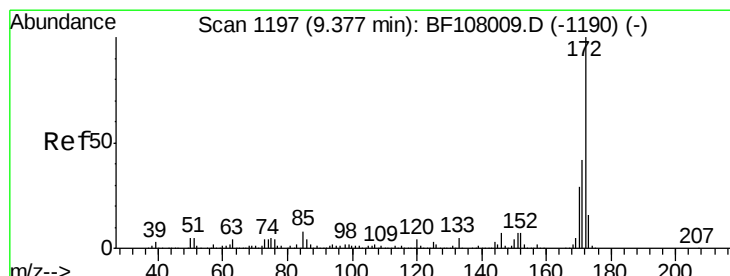
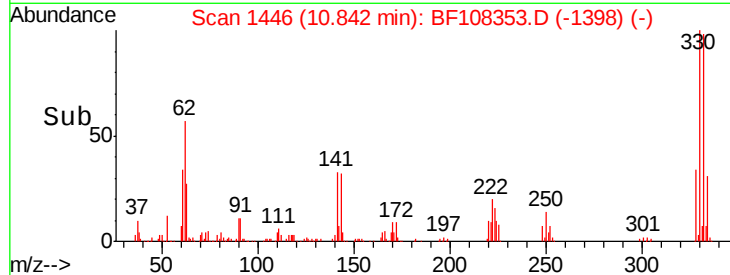
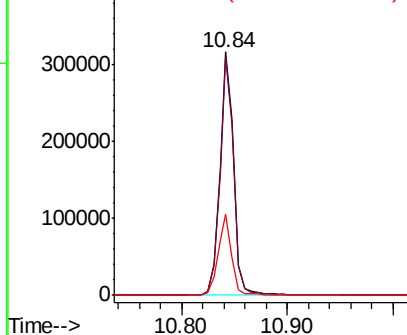
#41
 2,4,6-Tribromophenol
 Concen: 100.040 ng
 RT: 10.84 min Scan# 1446
 Delta R.T. -0.02 min
 Lab File: BF108353.D
 Acq: 21 Aug 2018 22:30

Instrument :
 BNA_F
 ClientSampleId :
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Tgt Ion:330 Resp: 291576
 Ion Ratio Lower Upper
 330 100
 332 97.4 77.0 115.6
 141 32.7 29.9 44.9

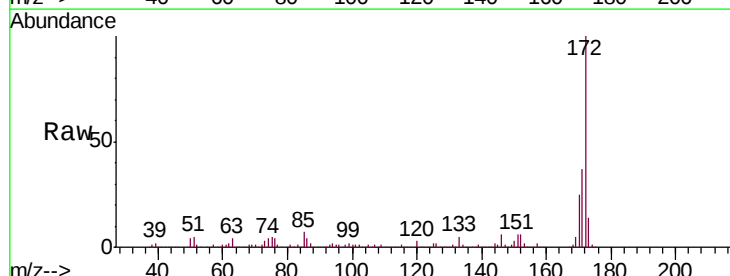


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

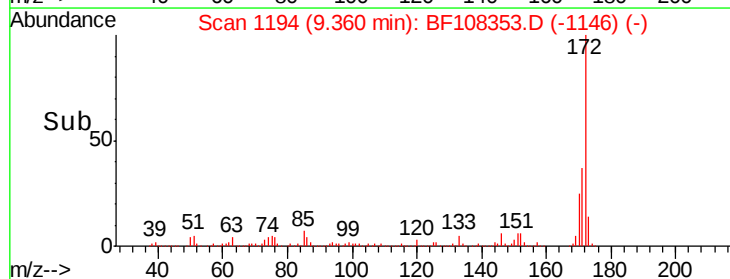
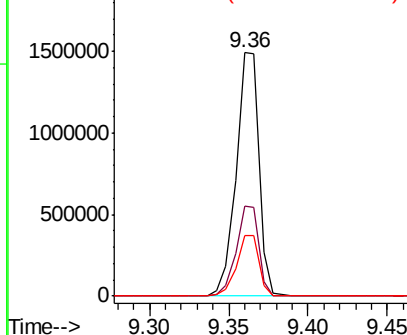


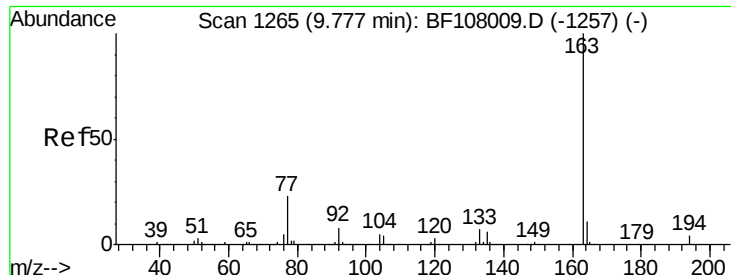
#44
 2-Fluorobiphenyl
 Concen: 81.933 ng
 RT: 9.36 min Scan# 1194
 Delta R.T. -0.02 min
 Lab File: BF108353.D
 Acq: 21 Aug 2018 22:30

Tgt Ion:172 Resp: 1491202
 Ion Ratio Lower Upper
 172 100
 171 37.2 29.7 44.5
 170 25.1 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

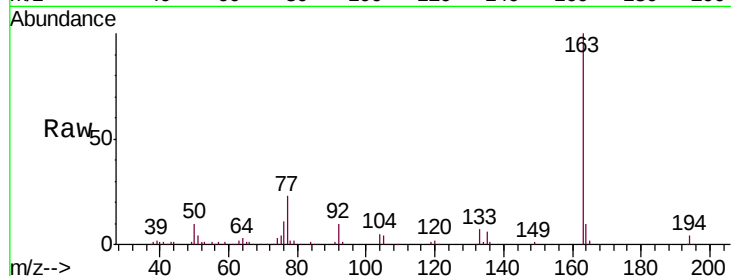




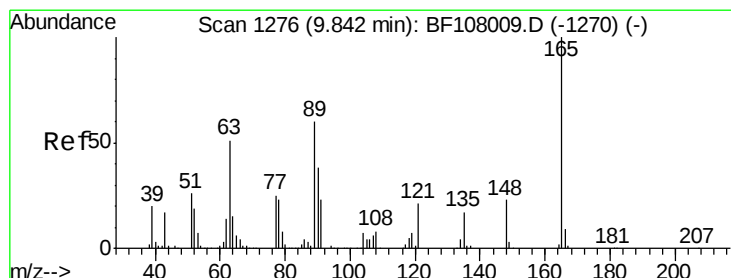
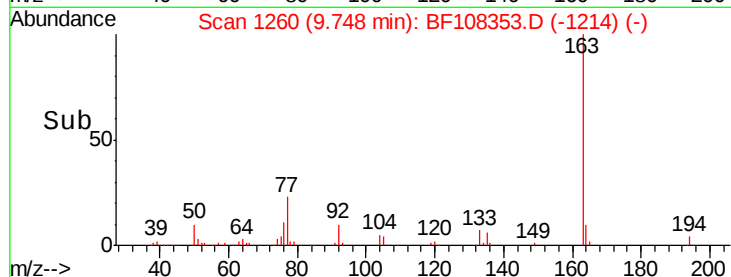
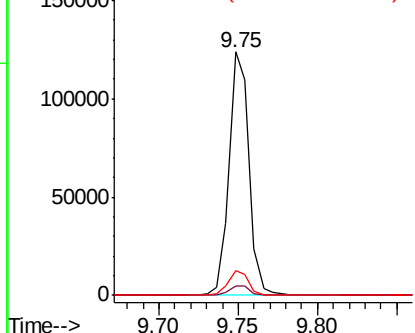
#49
Dimethylphthalate
Concen: 5.314 ng
RT: 9.75 min Scan# 1260
Delta R.T. -0.03 min
Lab File: BF108353.D
Acq: 21 Aug 2018 22:30

Instrument :
BNA_F
ClientSampleId :
CARLSTADT-FRONTRE

Tgt Ion	Ratio	Lower	Upper
163	100		
194	3.9	2.7	4.1
164	10.2	8.2	12.2

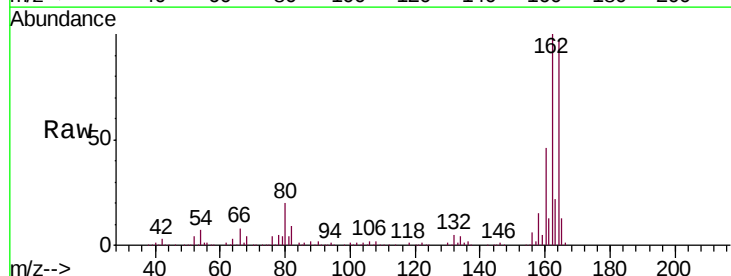


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

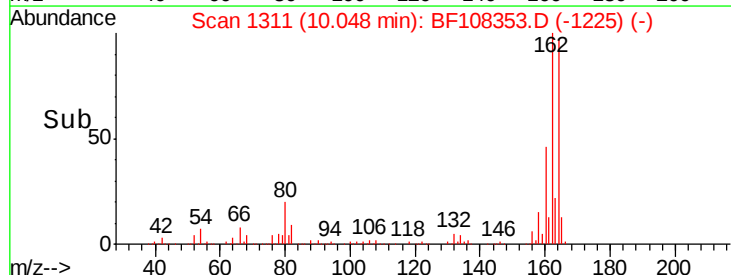
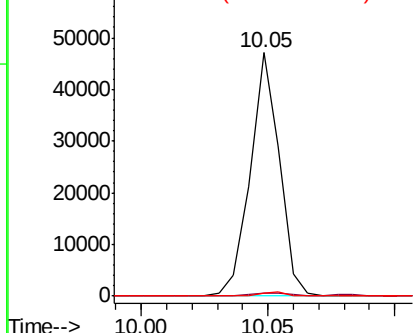


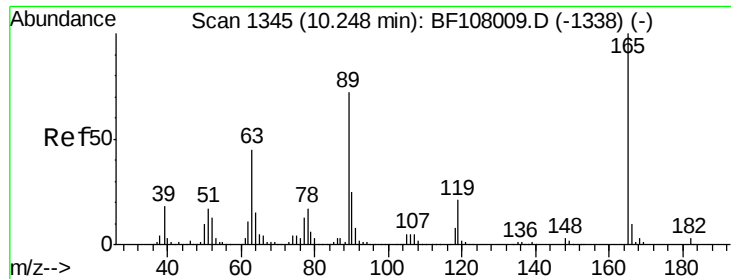
#50
2,6-Dinitrotoluene
Concen: 8.855 ng
RT: 10.05 min Scan# 1311
Delta R.T. 0.21 min
Lab File: BF108353.D
Acq: 21 Aug 2018 22:30

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.3	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

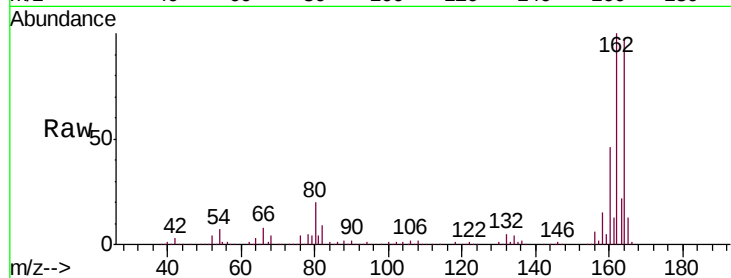




#56
 2,4-Dinitrotoluene
 Concen: 6.879 ng
 RT: 10.05 min Scan# 1311
 Delta R.T. -0.20 min
 Lab File: BF108353.D
 Acq: 21 Aug 2018 22:30

Instrument :
 BNA_F
 ClientSampleId :
 CARLSTADT-FRONTRE

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.3	36.4	54.6#
89	1.4	57.8	86.6#
182	0.0	1.6	2.4#

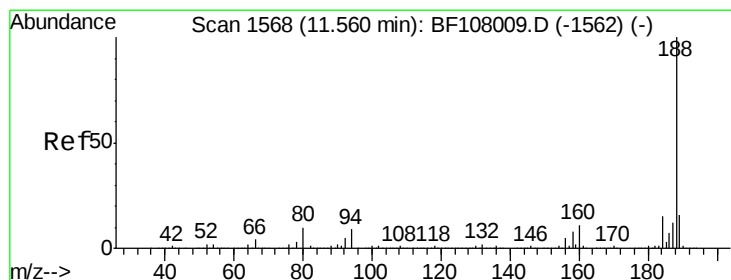
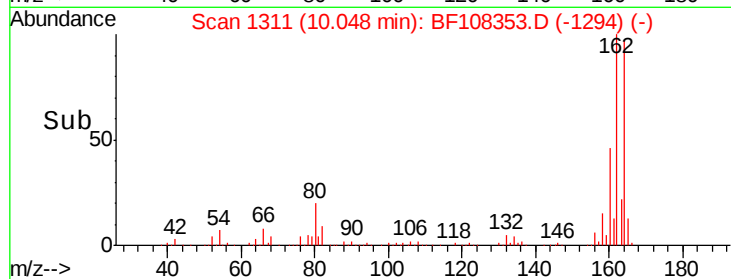
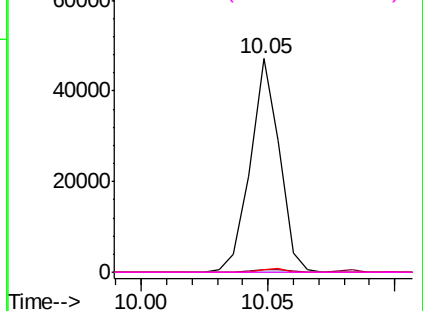


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

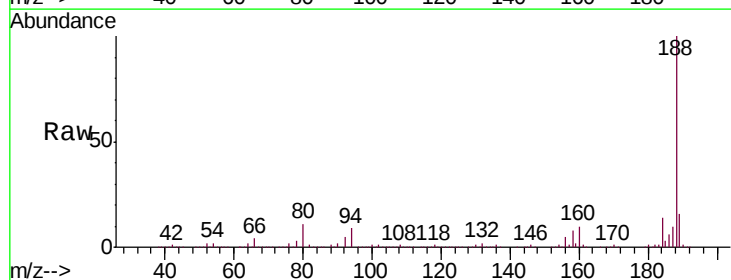
Ion 89.00 (88.70 to 89.70): BF1

Ion 182.00 (181.70 to 182.70): E



#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.54 min Scan# 1565
 Delta R.T. -0.02 min
 Lab File: BF108353.D
 Acq: 21 Aug 2018 22:30

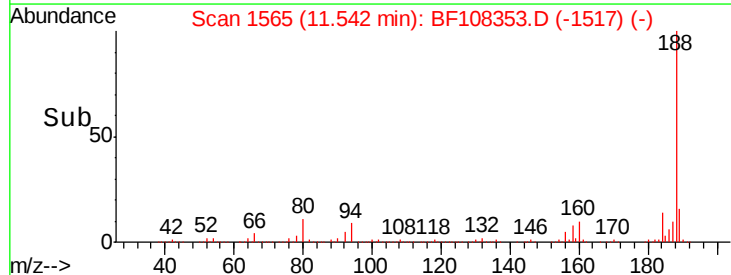
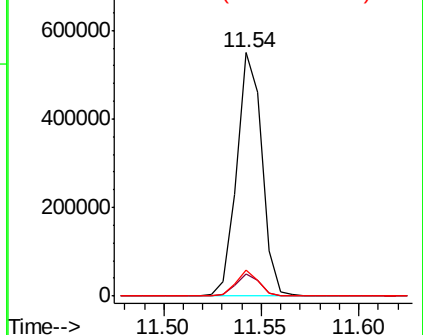
Tgt Ion	Ratio	Lower	Upper
188	100		
94	9.1	8.5	12.7
80	10.5	9.2	13.8

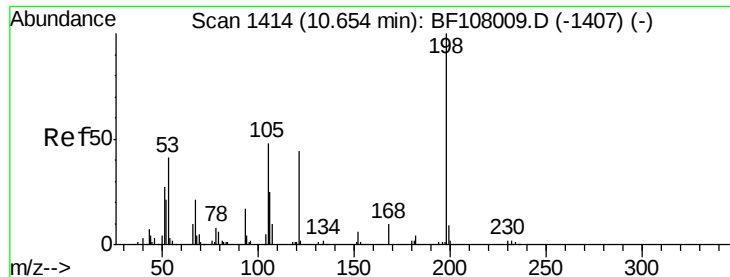


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1

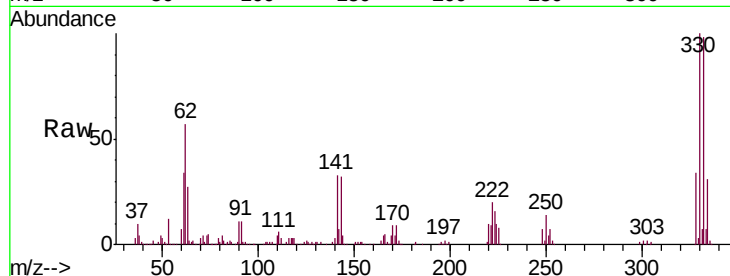




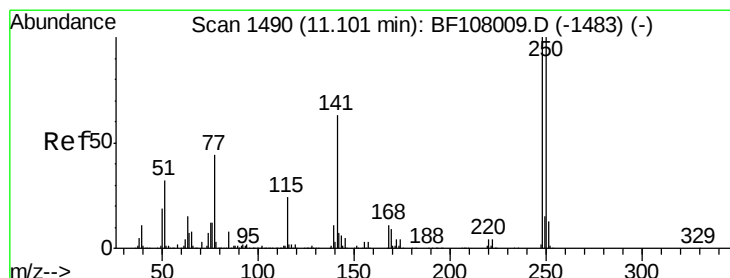
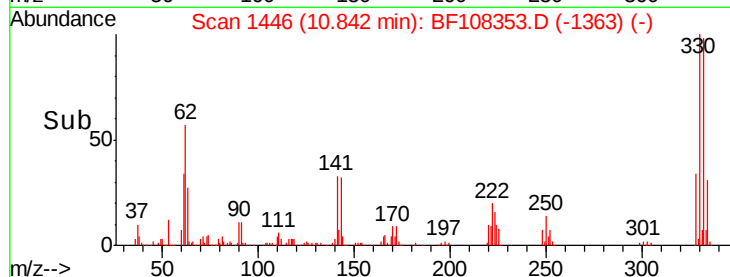
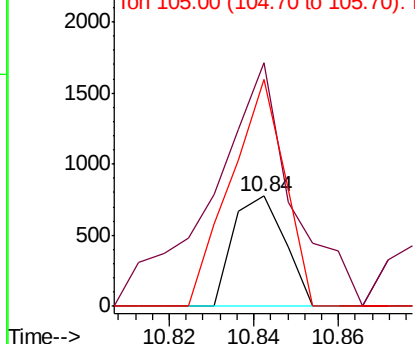
#64
 4,6-Dinitro-2-methylphenol
 Concen: 5.675 ng
 RT: 10.84 min Scan# 1446
 Delta R.T. 0.19 min
 Lab File: BF108353.D
 Acq: 21 Aug 2018 22:30

Instrument :
 BNA_F
 ClientSampleId :
 CARLSTADT-FRONTRE

Tgt Ion:198 Resp: 657
 Ion Ratio Lower Upper
 198 100
 51 220.3 37.7 77.7#
 105 205.8 36.3 76.3#

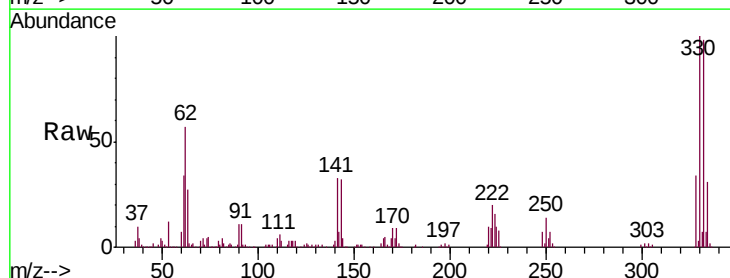


Abundance Ion 198.00 (197.70 to 198.70): E
 Ion 51.00 (50.70 to 51.70): BF1
 Ion 105.00 (104.70 to 105.70): E

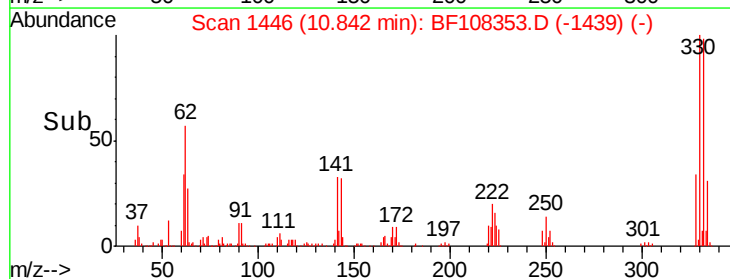
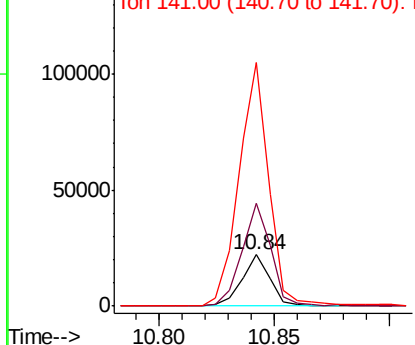


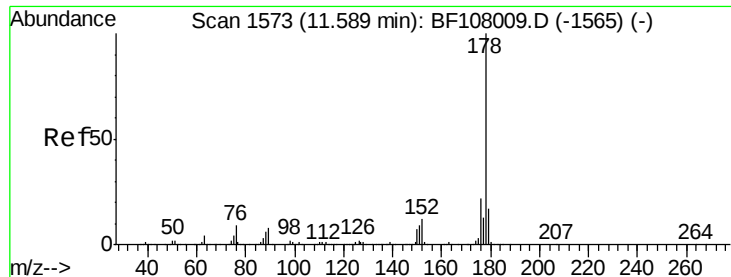
#66
 4-Bromophenyl-phenylether
 Concen: 3.524 ng
 RT: 10.84 min Scan# 1446
 Delta R.T. -0.26 min
 Lab File: BF108353.D
 Acq: 21 Aug 2018 22:30

Tgt Ion:248 Resp: 18816
 Ion Ratio Lower Upper
 248 100
 250 201.0 76.9 115.3#
 141 476.3 74.4 111.6#



Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E





#70

Phenanthrene

Concen: 3.254 ng

RT: 11.57 min Scan# 1569

Delta R.T. -0.02 min

Lab File: BF108353.D

Acq: 21 Aug 2018 22:30

Instrument :

BNA_F

ClientSampleId :

CARLSTADT-FRONTRE

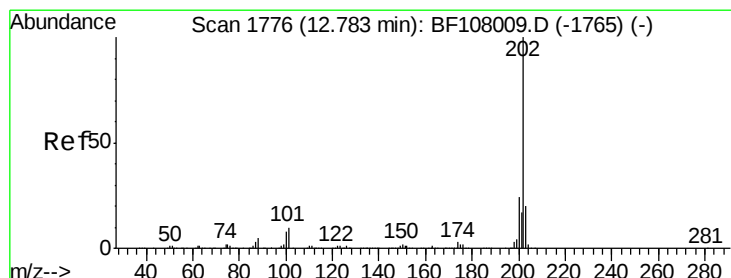
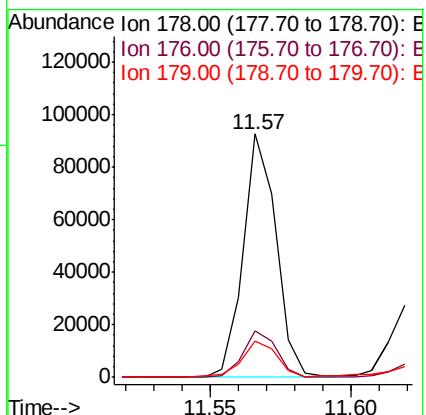
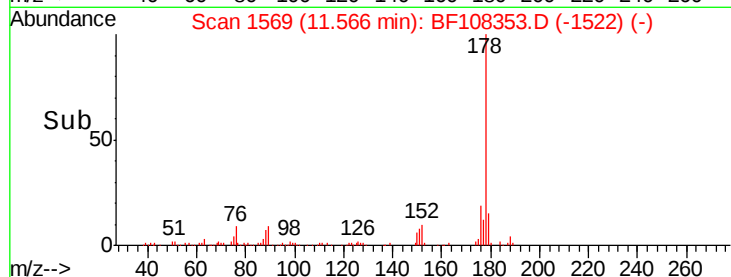
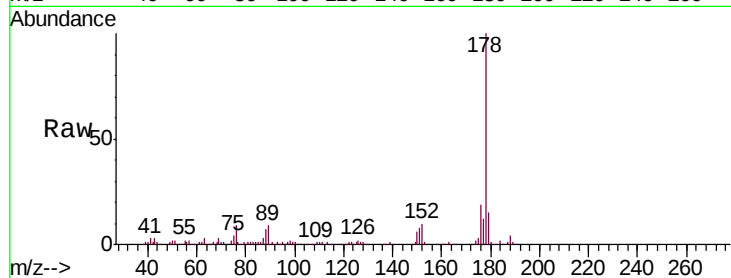
Tgt Ion:178 Resp: 75412

Ion Ratio Lower Upper

178 100

176 19.4 15.8 23.8

179 15.0 13.0 19.6



#74

Fluoranthene

Concen: 5.986 ng

RT: 12.76 min Scan# 1772

Delta R.T. -0.02 min

Lab File: BF108353.D

Acq: 21 Aug 2018 22:30

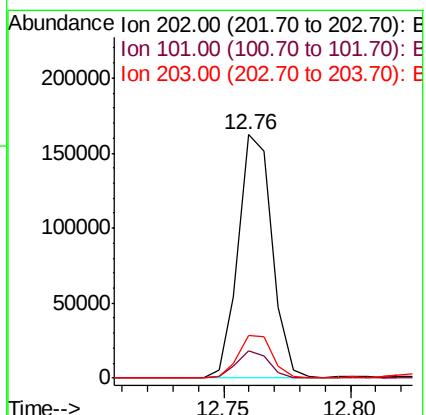
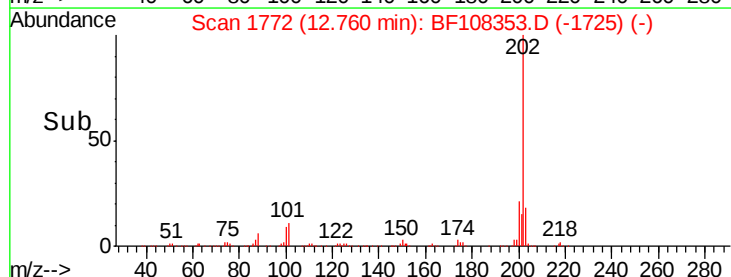
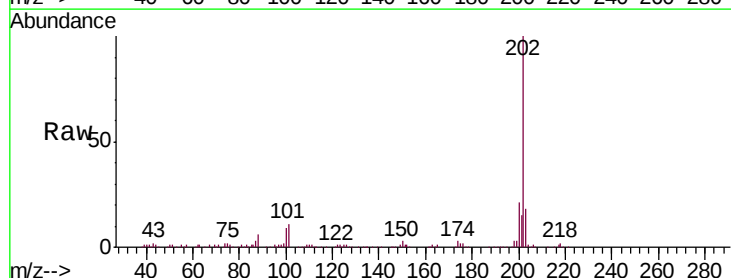
Tgt Ion:202 Resp: 151394

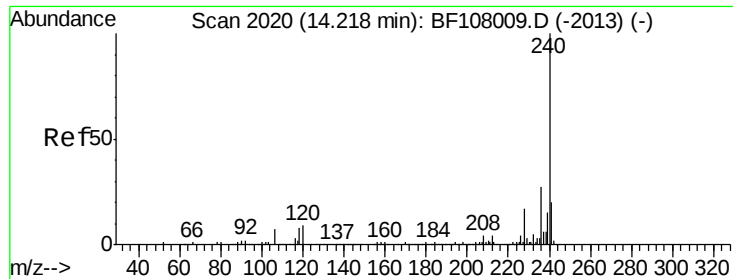
Ion Ratio Lower Upper

202 100

101 11.2 0.0 34.1

203 17.7 0.0 38.1





#75

Chrysene-d12

Concen: 20.000 ng

RT: 14.19 min Scan# 2016

Delta R.T. -0.02 min

Lab File: BF108353.D

Acq: 21 Aug 2018 22:30

Instrument :

BNA_F

ClientSampleId :

CARLSTADT-FRONTRE

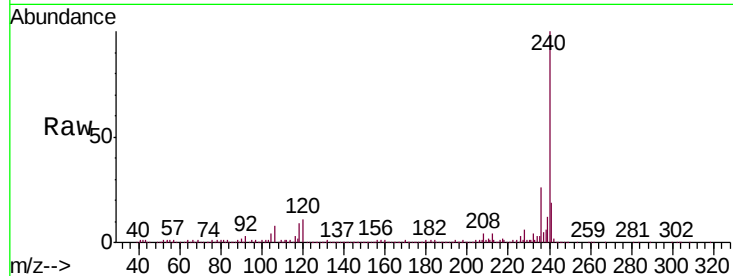
Tgt Ion:240 Resp: 375787

Ion Ratio Lower Upper

240 100

120 10.9 9.5 14.3

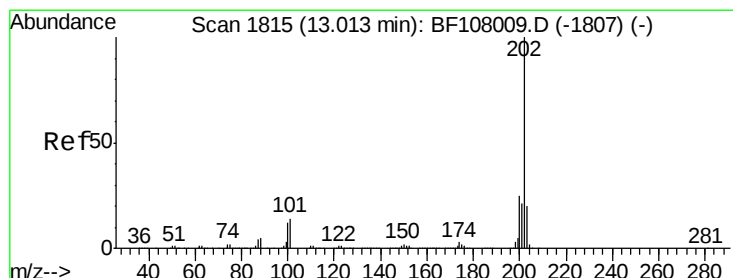
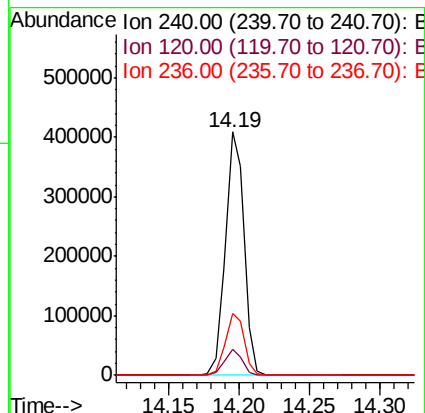
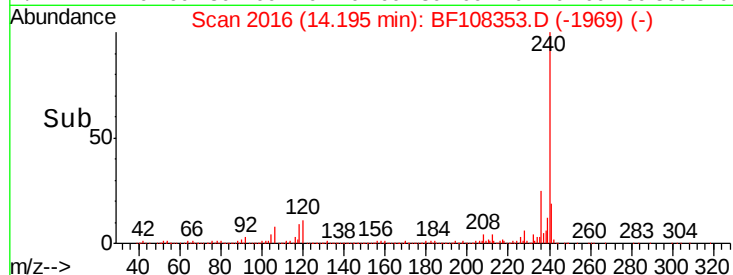
236 25.6 20.7 31.1



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: 5.952 ng

RT: 13.00 min Scan# 1812

Delta R.T. -0.02 min

Lab File: BF108353.D

Acq: 21 Aug 2018 22:30

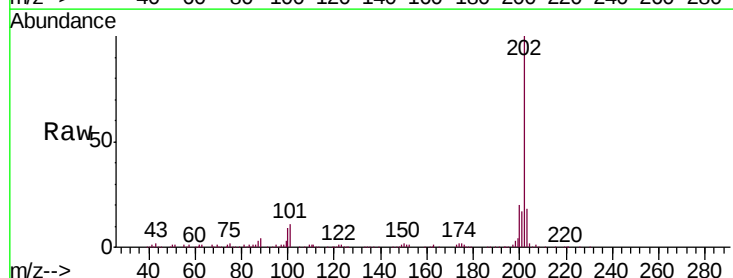
Tgt Ion:202 Resp: 141611

Ion Ratio Lower Upper

202 100

200 19.8 17.4 26.2

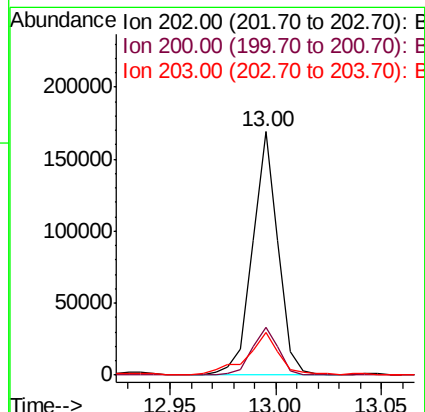
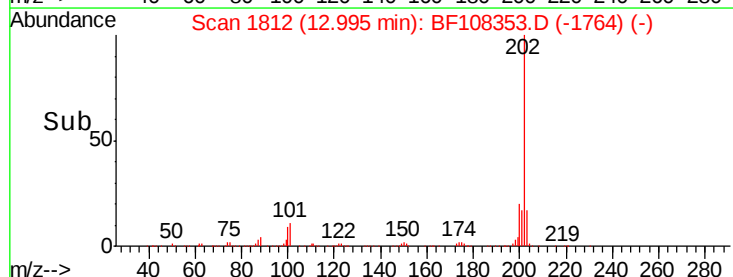
203 17.7 14.3 21.5

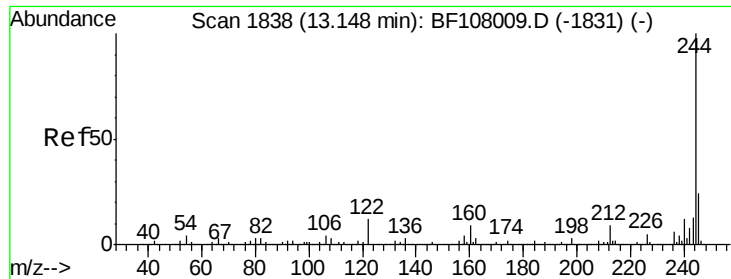


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 79.844 ng

RT: 13.13 min Scan# 1835

Delta R.T. -0.02 min

Lab File: BF108353.D

Acq: 21 Aug 2018 22:30

Instrument :

BNA_F

ClientSampleId :

CARLSTADT-FRONTRE

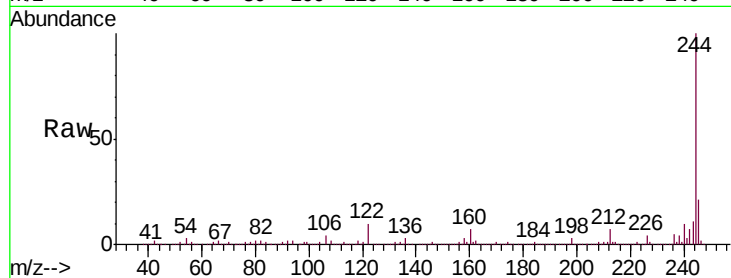
Tgt Ion:244 Resp: 1180083

Ion Ratio Lower Upper

244 100

212 7.4 5.4 8.0

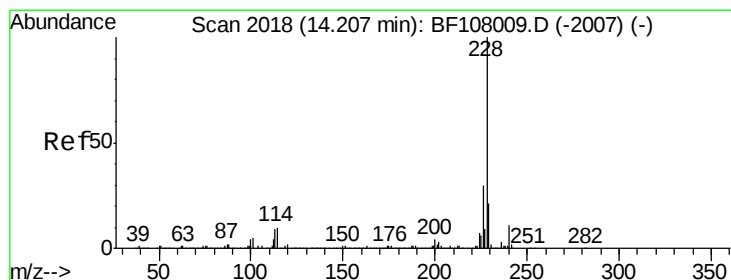
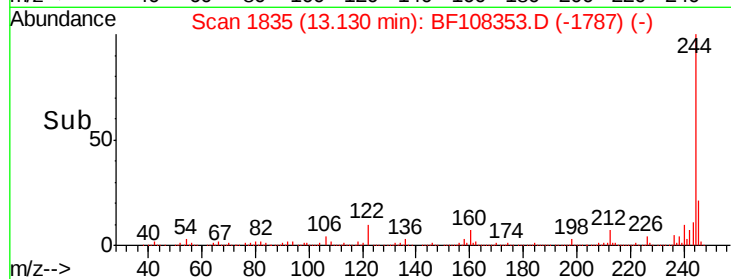
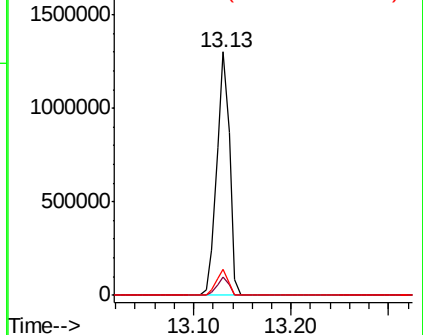
122 10.5 11.0 16.4#



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: 3.563 ng

RT: 14.18 min Scan# 2014

Delta R.T. -0.02 min

Lab File: BF108353.D

Acq: 21 Aug 2018 22:30

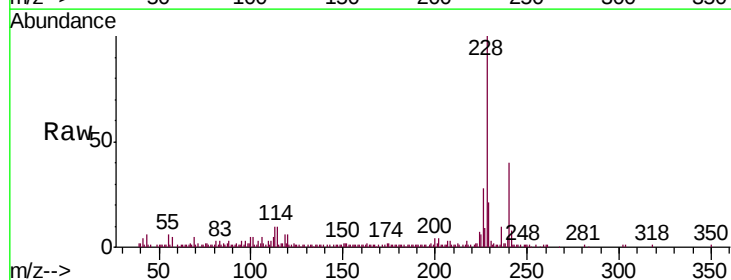
Tgt Ion:228 Resp: 76837

Ion Ratio Lower Upper

228 100

226 27.9 22.6 33.8

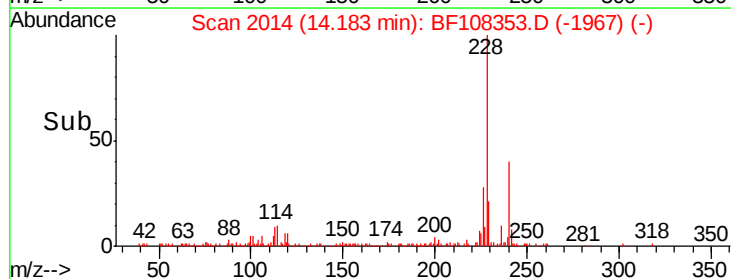
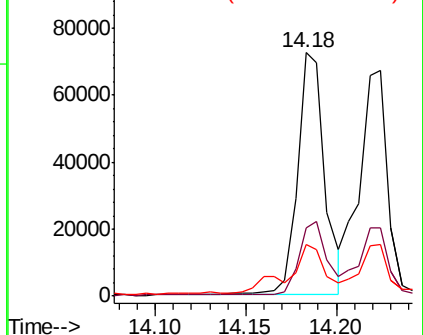
229 21.4 15.8 23.6

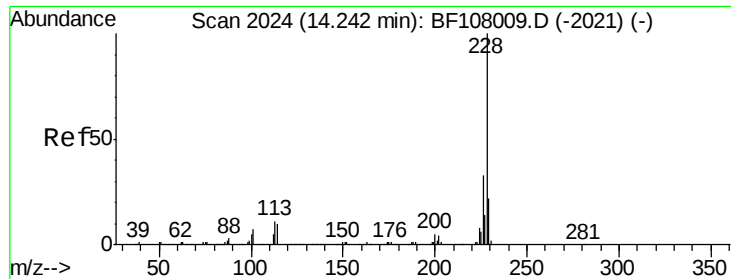


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

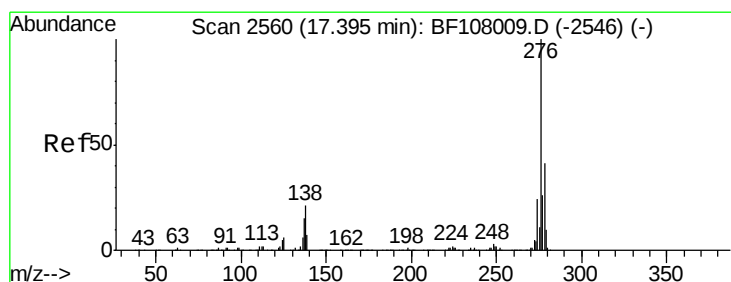
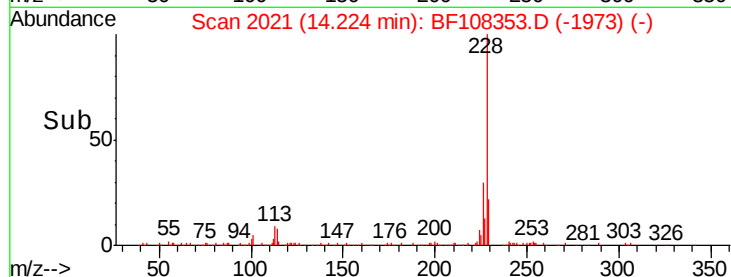
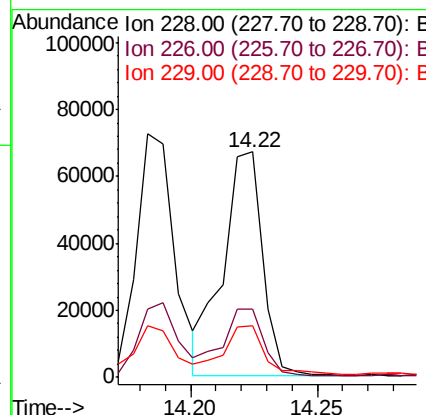
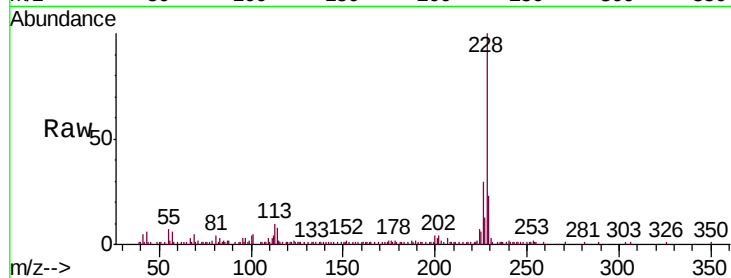




#82
Chrysene
Concen: 3.690 ng
RT: 14.22 min Scan# 2021
Delta R.T. -0.02 min
Lab File: BF108353.D
Acq: 21 Aug 2018 22:30

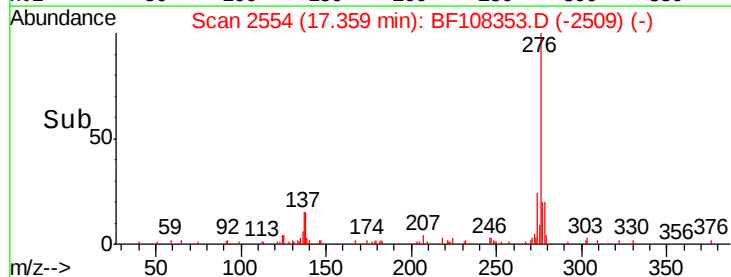
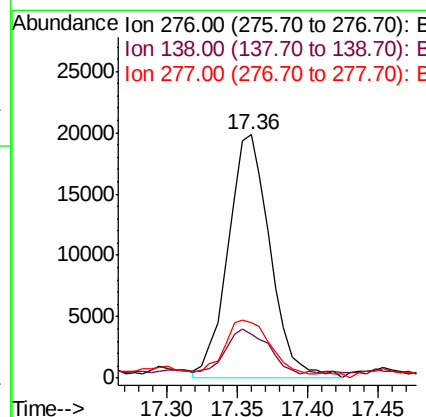
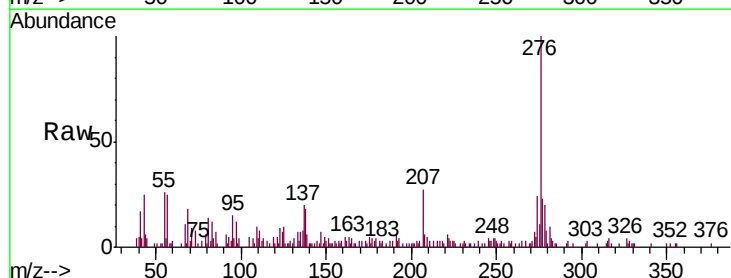
Instrument :
BNA_F
ClientSampleId :
CARLSTADT-FRONTRE

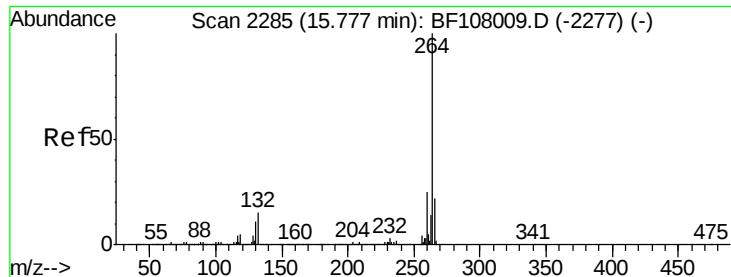
Tgt Ion: 228 Resp: 72952
Ion Ratio Lower Upper
228 100
226 30.5 25.0 37.6
229 23.0 16.2 24.4



#85
Indeno(1,2,3-cd)pyrene
Concen: 2.403 ng
RT: 17.36 min Scan# 2554
Delta R.T. -0.04 min
Lab File: BF108353.D
Acq: 21 Aug 2018 22:30

Tgt Ion: 276 Resp: 41166
Ion Ratio Lower Upper
276 100
138 17.9 25.0 37.6#
277 23.2 20.1 30.1

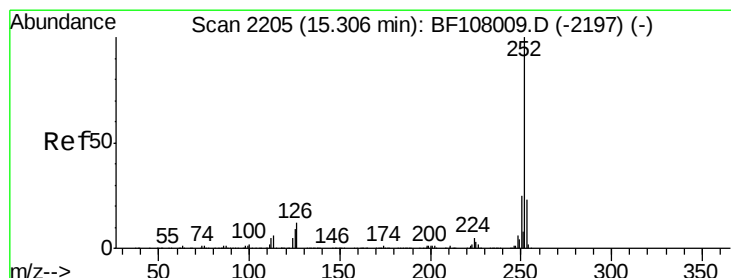
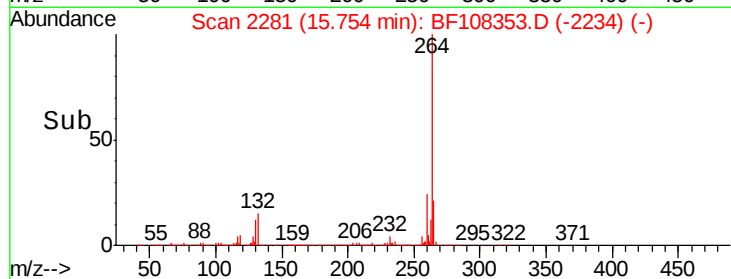
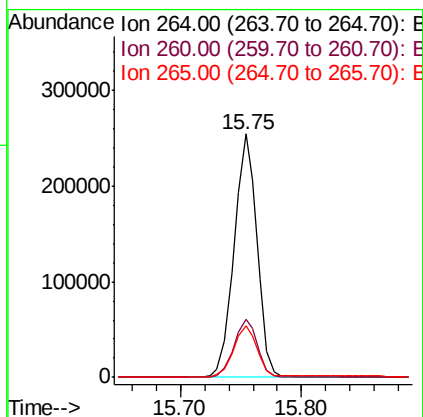
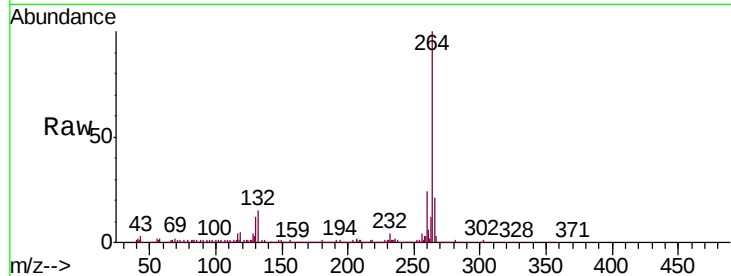




#86
Perylene-d12
Concen: 20.000 ng
RT: 15.75 min Scan# 2281
Delta R.T. -0.02 min
Lab File: BF108353.D
Acq: 21 Aug 2018 22:30

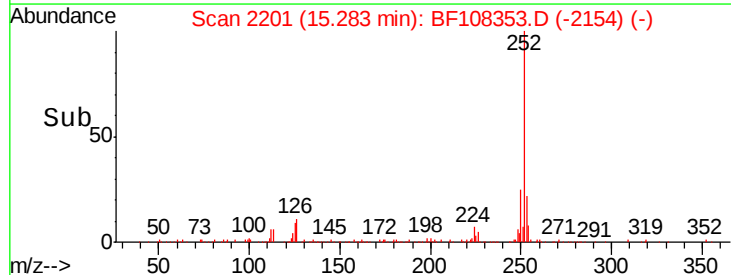
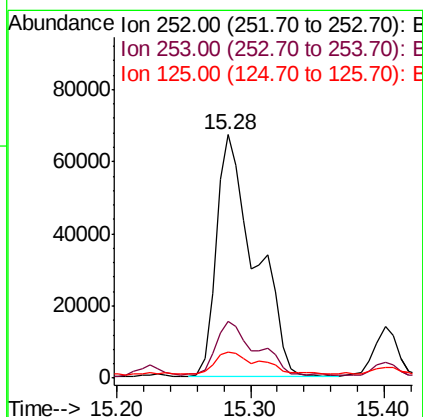
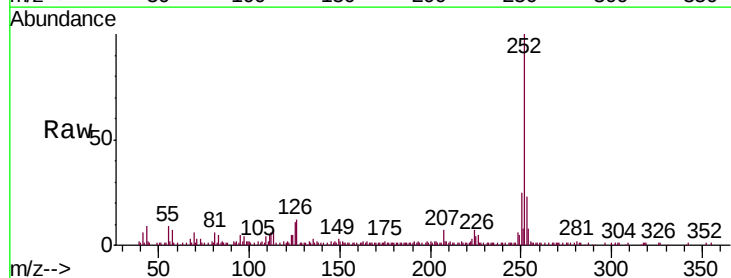
Instrument :
BNA_F
ClientSampleId :
CARLSTADT-FRONTRE

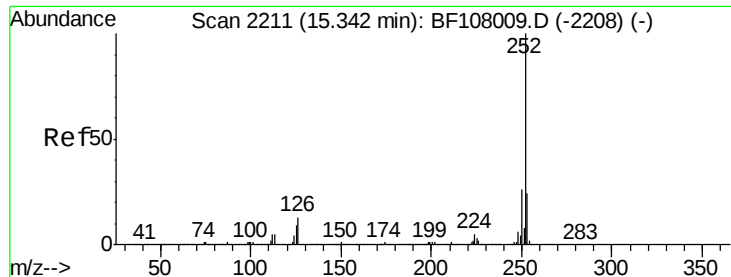
Tgt Ion: 264 Resp: 335014
Ion Ratio Lower Upper
264 100
260 23.9 19.2 28.8
265 21.1 17.5 26.3



#87
Benzo(b)fluoranthene
Concen: 6.759 ng
RT: 15.28 min Scan# 2201
Delta R.T. -0.02 min
Lab File: BF108353.D
Acq: 21 Aug 2018 22:30

Tgt Ion: 252 Resp: 135298
Ion Ratio Lower Upper
252 100
253 23.3 17.0 25.6
125 10.8 9.0 13.6

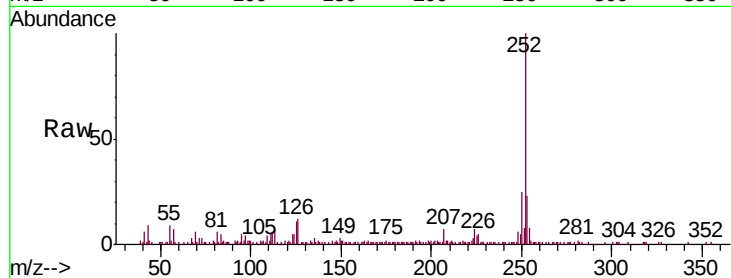




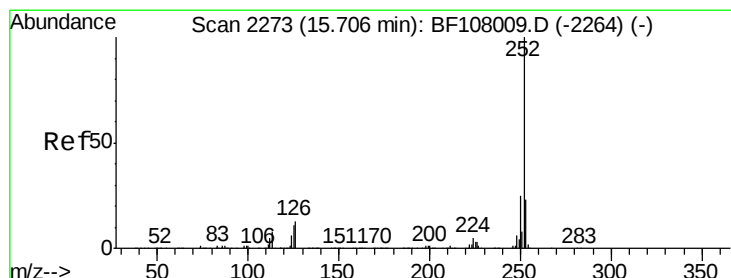
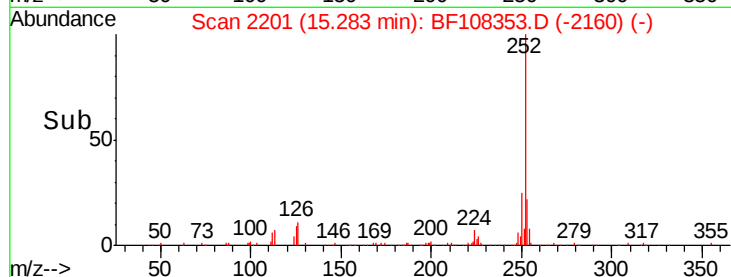
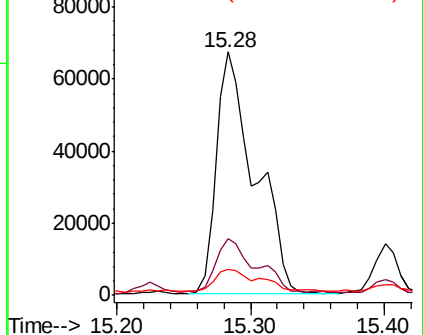
#88
Benzo(k)fluoranthene
Concen: 7.352 ng
RT: 15.28 min Scan# 2201
Delta R.T. -0.06 min
Lab File: BF108353.D
Acq: 21 Aug 2018 22:30

Instrument :
BNA_F
ClientSampleId :
CARLSTADT-FRONTRE

Tgt Ion:252 Resp: 135298
Ion Ratio Lower Upper
252 100
253 23.3 17.9 26.9
125 10.8 10.2 15.2

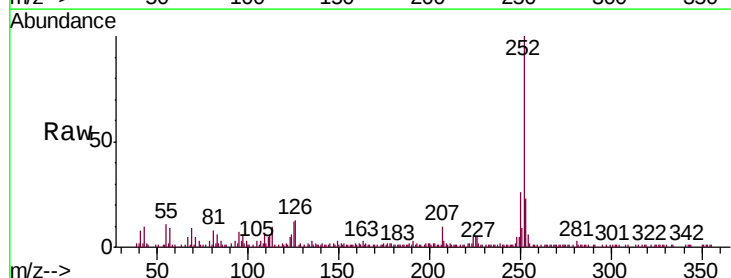


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

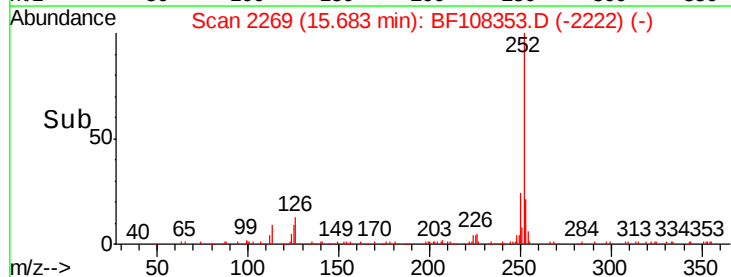
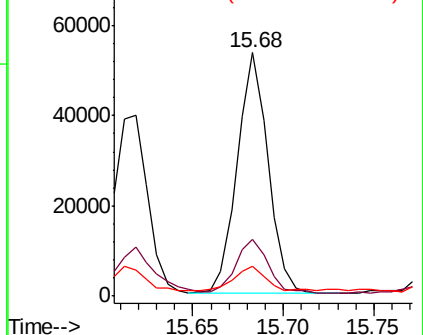


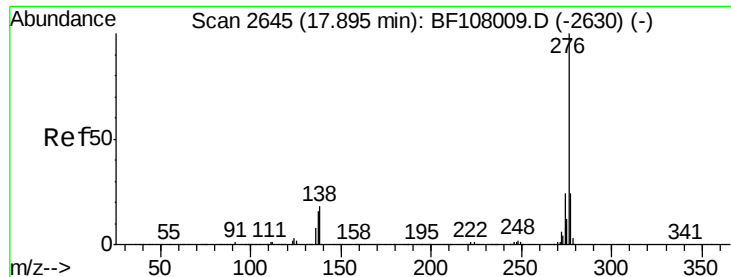
#89
Benzo(a)pyrene
Concen: 3.538 ng
RT: 15.68 min Scan# 2269
Delta R.T. -0.02 min
Lab File: BF108353.D
Acq: 21 Aug 2018 22:30

Tgt Ion:252 Resp: 63424
Ion Ratio Lower Upper
252 100
253 23.3 17.1 25.7
125 12.0 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: 2.689 ng

RT: 17.85 min Scan# 2637

Delta R.T. -0.05 min

Lab File: BF108353.D

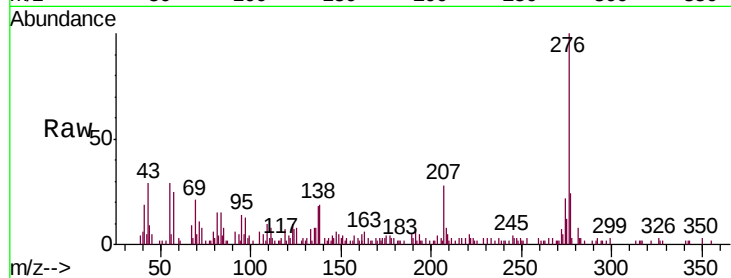
Acq: 21 Aug 2018 22:30

Instrument :

BNA_F

ClientSampleId :

CARLSTADT-FRONTRE



Tgt Ion:	276	Resp:	39276
Ion	Ratio	Lower	Upper
276	100		
277	24.3	17.9	26.9
138	19.2	21.8	32.8#

