

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF021420\
 Data File : BF118938.D
 Acq On : 14 Feb 2020 18:18
 Operator : CG/JU
 Sample : L1015-01
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Feb 15 03:37:36 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF020320.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Feb 14 00:49:42 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.77	152	173789	20.00	ng	-0.04
21) Naphthalene-d8	8.06	136	681102	20.00	ng	-0.05
39) Acenaphthene-d10	9.81	164	371528	20.00	ng	-0.05
64) Phenanthrene-d10	11.29	188	986982	20.00	ng	-0.05
76) Chrysene-d12	13.93	240	688758	20.00	ng	-0.05
87) Perylene-d12	15.36	264	423478	20.00	ng	-0.06

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.39	112	453337	49.38	ng	-0.04
7) Phenol-d6	6.41	99	355511	31.19	ng	-0.04
23) Nitrobenzene-d5	7.34	82	847215	74.14	ng	-0.04
42) 2,4,6-Tribromophenol	10.60	330	694478	156.22	ng	-0.05
45) 2-Fluorobiphenyl	9.13	172	1750300	84.22	ng	-0.05
79) Terphenyl-d14	12.88	244	2656505	79.22	ng	-0.05

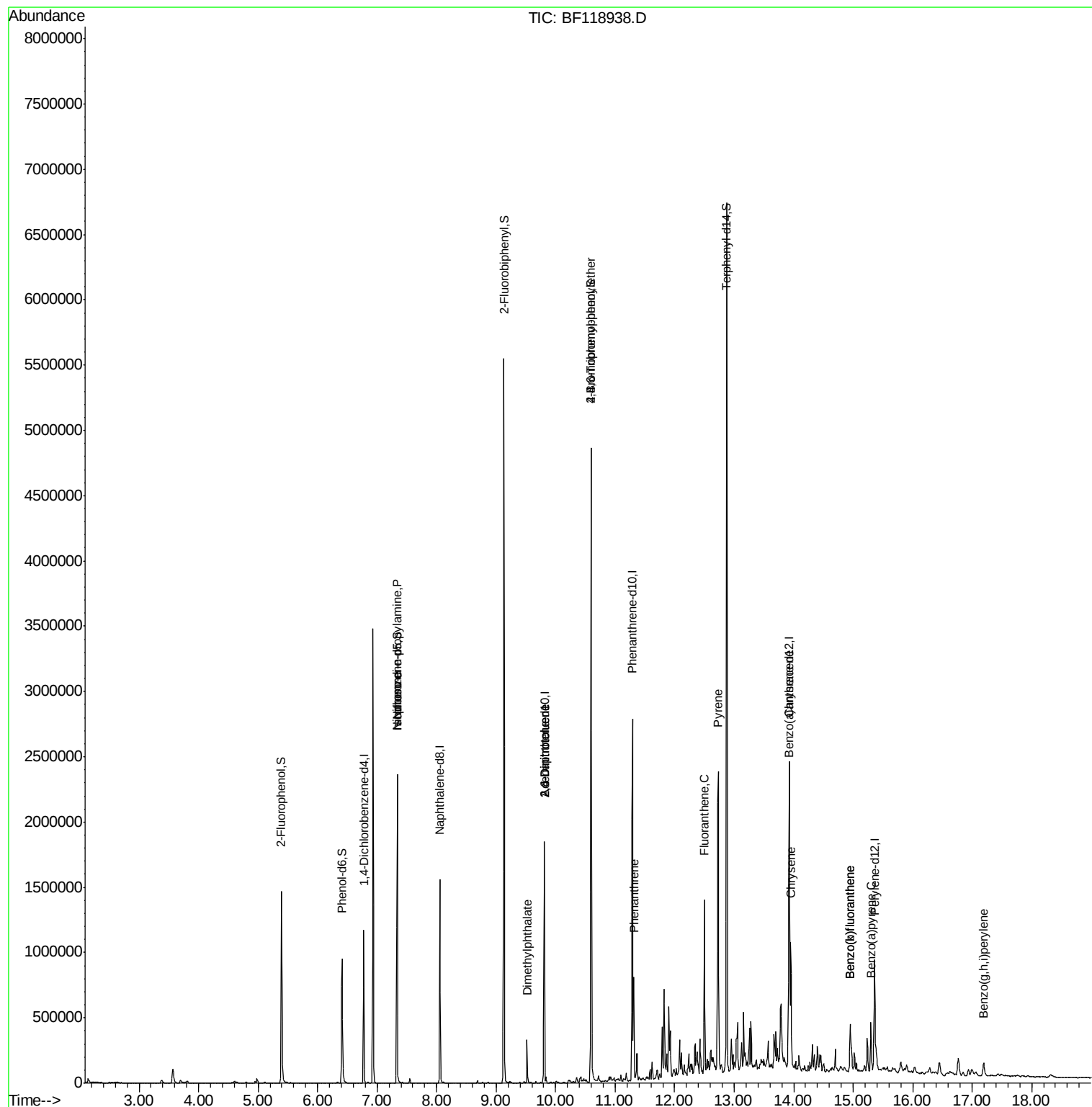
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.33	77	1923	Below Cal		# 79
19) n-Nitroso-di-n-propylamine	7.34	70	114067	16.358	ng	# 75
25) Isophorone	7.34	82	847093	41.248	ng	# 63
50) Dimethylphthalate	9.52	163	136089	5.380	ng	97
51) 2,6-Dinitrotoluene	9.81	165	48341	8.351	ng	# 31
57) 2,4-Dinitrotoluene	9.81	165	48341	6.311	ng	# 34
67) 4-Bromophenyl-phenylether	10.60	248	44628	3.822	ng	# 1
71) Phenanthrene	11.32	178	295784	6.091	ng	96
75) Fluoranthene	12.50	202	536203	10.113	ng	98
78) Pyrene	12.73	202	986027	20.868	ng	97
81) Benzo(a)anthracene	13.92	228	415274	10.132	ng	98
83) Chrysene	13.95	228	356929	8.677	ng	96
88) Benzo(b)fluoranthene	14.95	252	253494	9.647	ng	97
89) Benzo(k)fluoranthene	14.95	252	253494	11.078	ng	96
90) Benzo(a)pyrene	15.30	252	178960	7.958	ng	98
92) Benzo(g,h,i)perylene	17.19	276	84558	4.404	ng	99

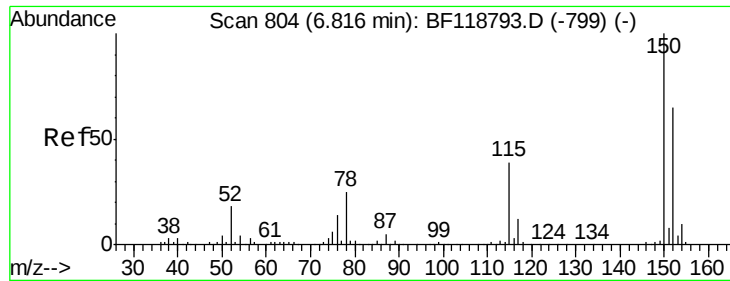
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Feb 15 03:37:36 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF020320.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Feb 14 00:49:42 2020
Response via : Initial Calibration

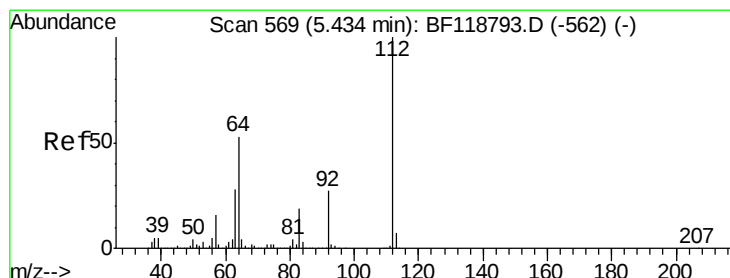
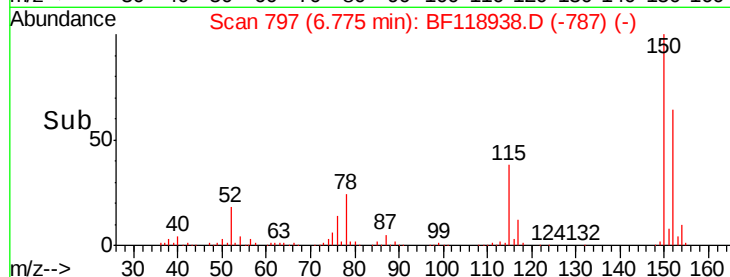
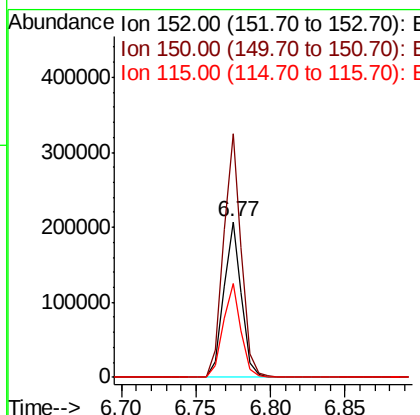
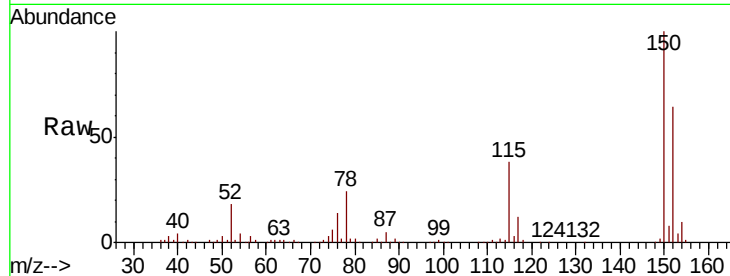




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.77 min Scan# 797
 Delta R.T. -0.04 min
 Lab File: BF118938.D
 Acq: 14 Feb 2020 18:18

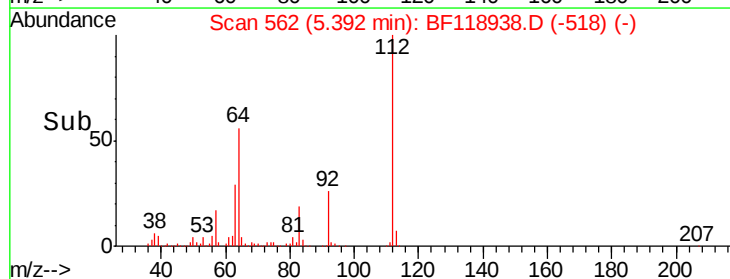
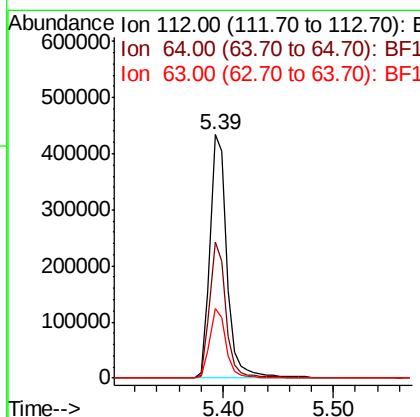
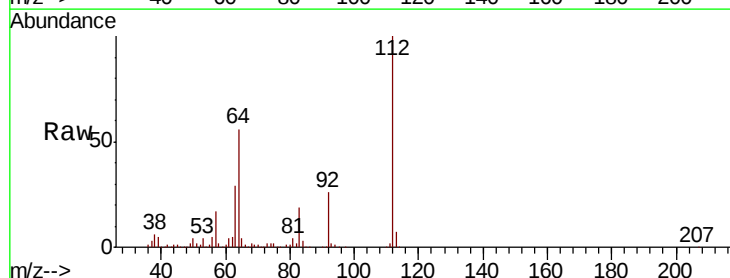
Instrument :
 BNA_F
 ClientSampleId :

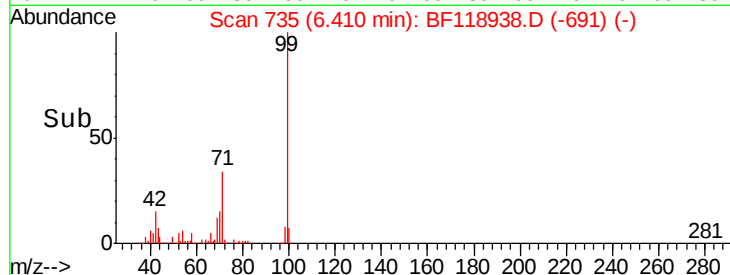
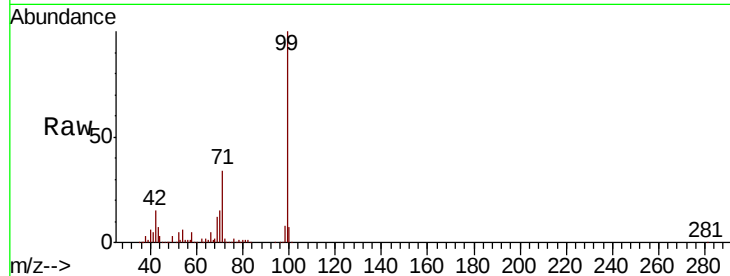
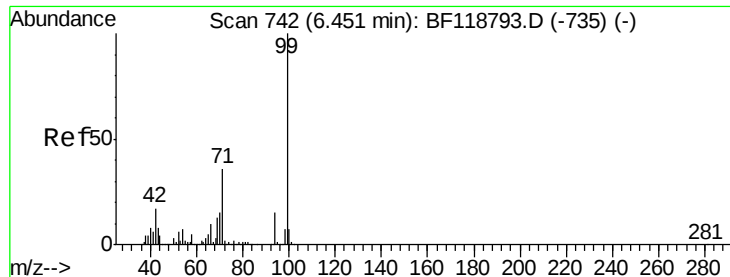
Tot Ion:152 Resp: 173789
 Ion Ratio Lower Upper
 152 100
 150 156.3 123.6 185.4
 115 59.9 48.2 72.2



#5
 2-Fluorophenol
 Concen: 49.378 ng
 RT: 5.39 min Scan# 562
 Delta R.T. -0.04 min
 Lab File: BF118938.D
 Acq: 14 Feb 2020 18:18

Tgt Ion:112 Resp: 453337
 Ion Ratio Lower Upper
 112 100
 64 56.0 42.6 63.8
 63 28.8 22.2 33.4





#7

Phenol-d6

Concen: 31.194 ng

RT: 6.41 min Scan# 735

Delta R.T. -0.04 min

Lab File: BF118938.D

Acq: 14 Feb 2020 18:18

Instrument :

BNA_F

ClientSampled :

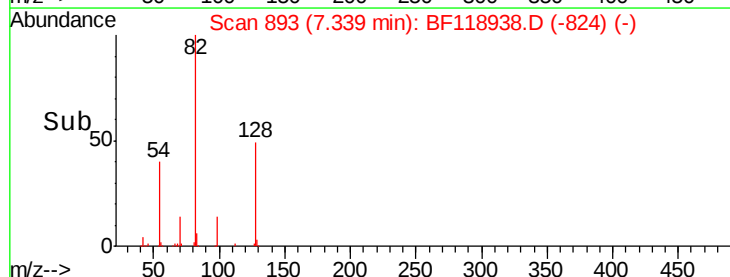
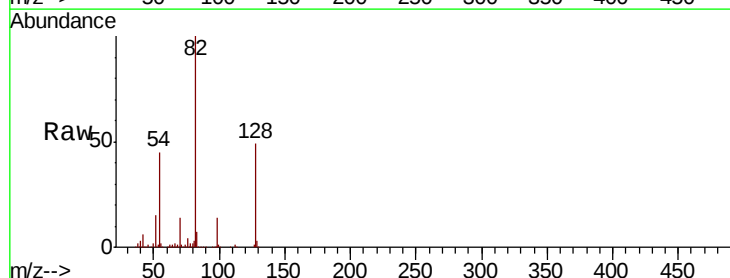
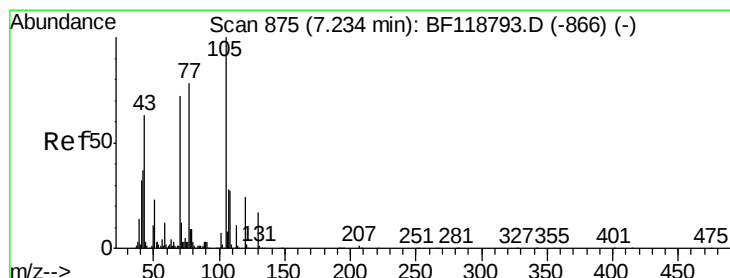
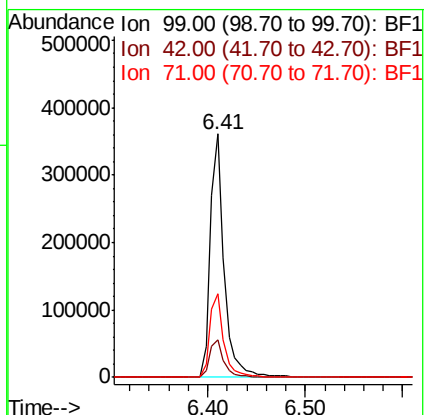
Tot Ion: 99 Resp: 355511

Ion Ratio Lower Upper

99 100

42 15.3 13.4 20.0

71 34.4 29.0 43.6



#19

n-Nitroso-di-n-propylamine

Concen: 16.358 ng

RT: 7.34 min Scan# 893

Delta R.T. 0.11 min

Lab File: BF118938.D

Acq: 14 Feb 2020 18:18

Tgt Ion: 70 Resp: 114067

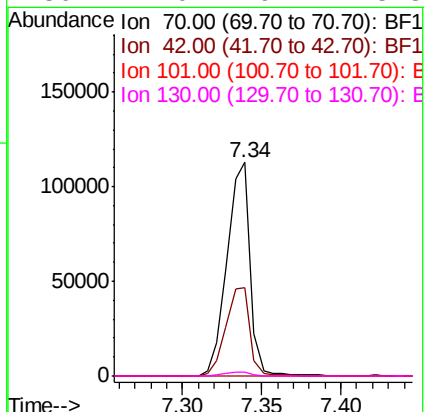
Ion Ratio Lower Upper

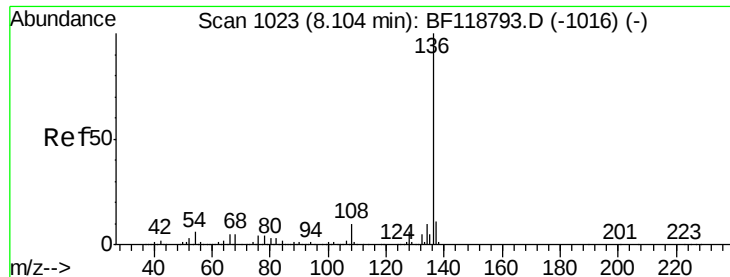
70 100

42 41.3 41.5 62.3#

101 0.0 8.3 12.5#

130 2.0 19.2 28.8#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.06 min Scan# 1015

Delta R.T. -0.05 min

Lab File: BF118938.D

Acq: 14 Feb 2020 18:18

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 681102

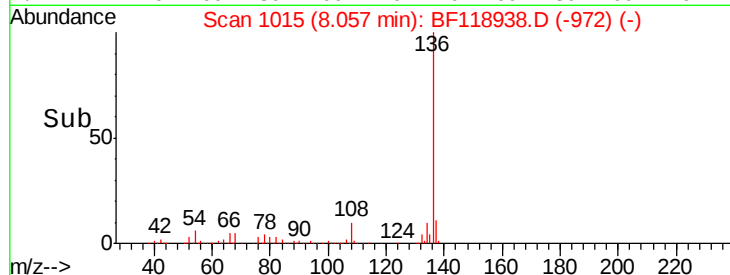
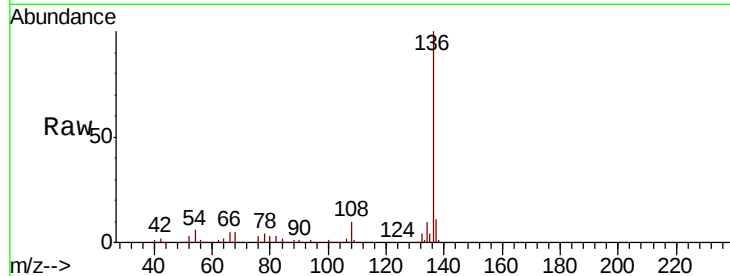
Ion Ratio Lower Upper

136 100

137 11.1 8.7 13.1

54 6.4 5.0 7.6

68 5.2 4.2 6.4

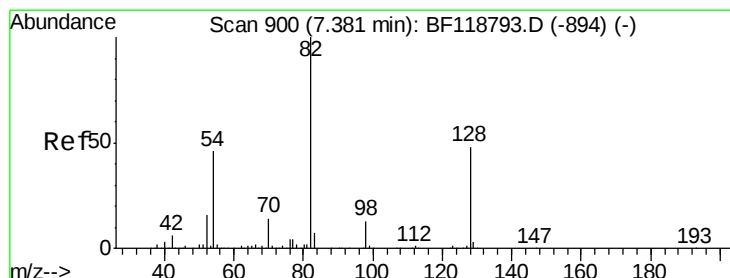
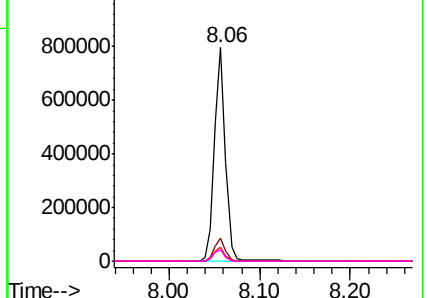


Abundance Ion 136.00 (135.70 to 136.70): E

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: 74.142 ng

RT: 7.34 min Scan# 893

Delta R.T. -0.04 min

Lab File: BF118938.D

Acq: 14 Feb 2020 18:18

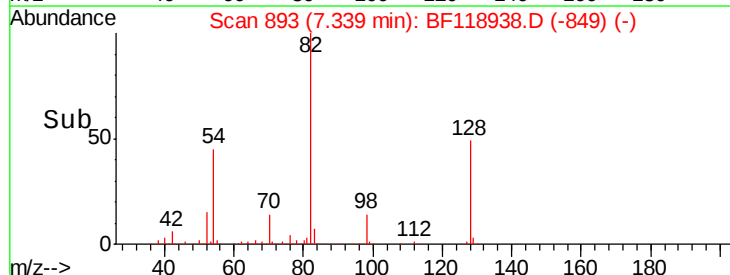
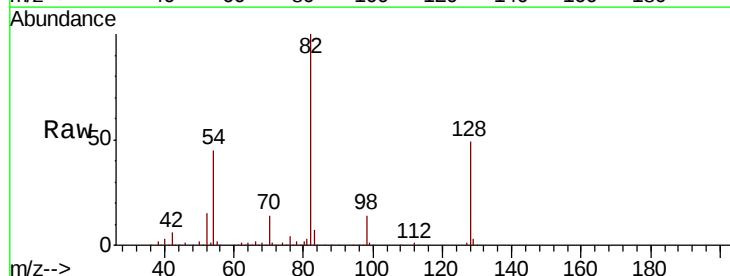
Tgt Ion: 82 Resp: 847215

Ion Ratio Lower Upper

82 100

128 49.3 38.5 57.7

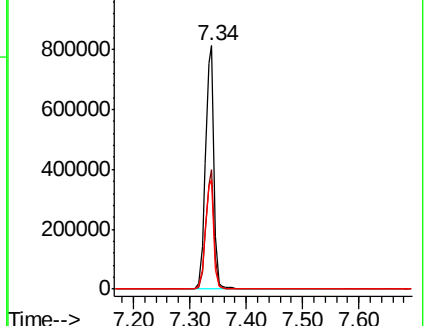
54 44.6 36.7 55.1

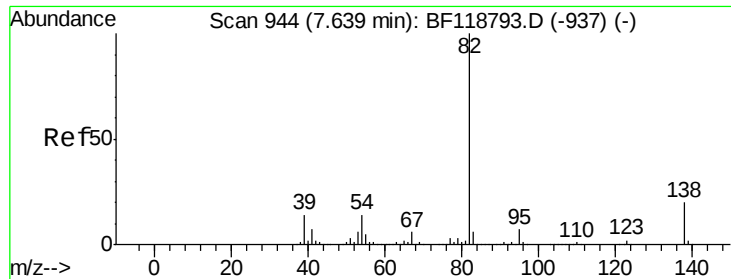


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 41.248 ng

RT: 7.34 min Scan# 893

Delta R.T. -0.30 min

Lab File: BF118938.D

Acq: 14 Feb 2020 18:18

Instrument :

BNA_F

ClientSampleId :

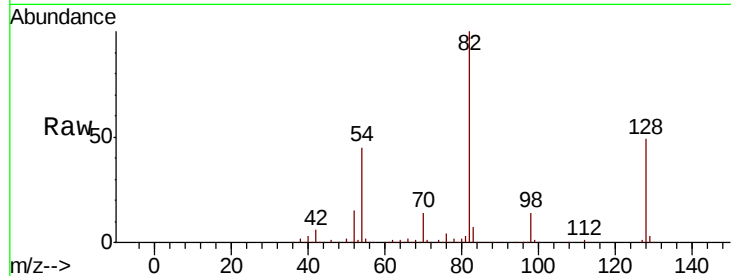
Tot Ion: 82 Resp: 847093

Ion Ratio Lower Upper

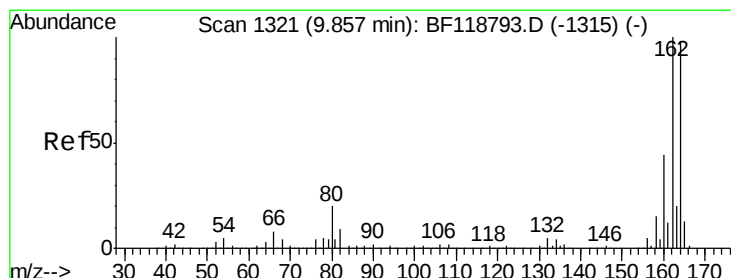
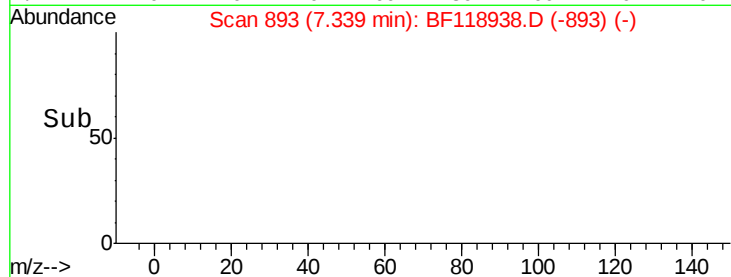
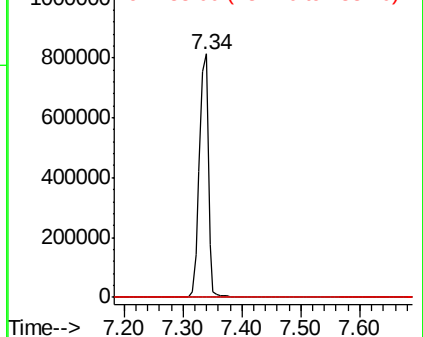
82 100

95 0.0 6.0 9.0#

138 0.0 15.7 23.5#



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



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.81 min Scan# 1313

Delta R.T. -0.05 min

Lab File: BF118938.D

Acq: 14 Feb 2020 18:18

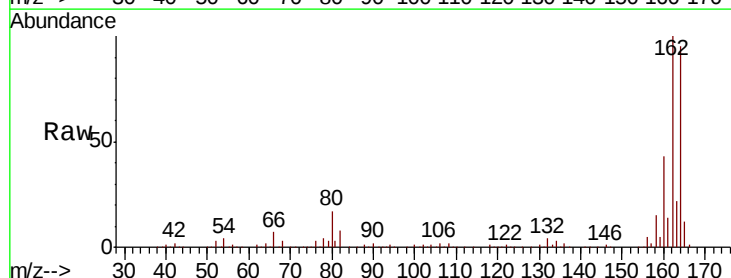
Tgt Ion:164 Resp: 371528

Ion Ratio Lower Upper

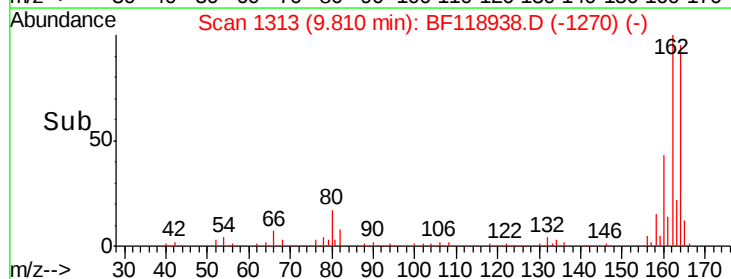
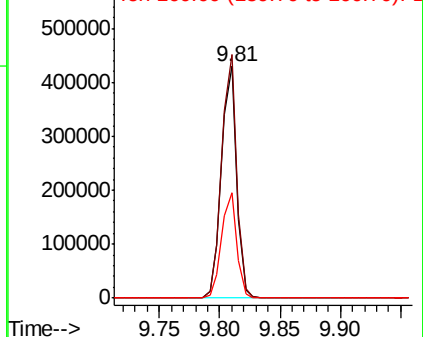
164 100

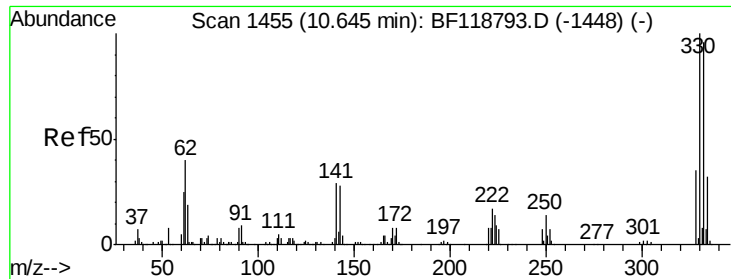
162 105.1 81.4 122.2

160 45.2 35.6 53.4



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

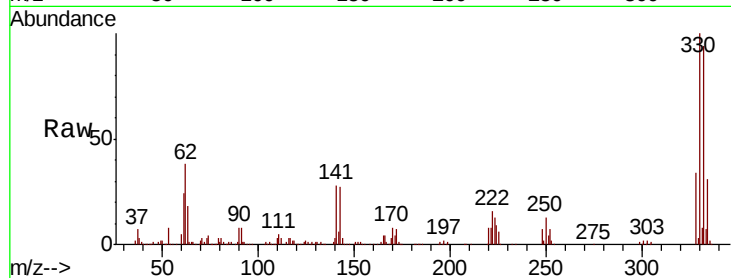




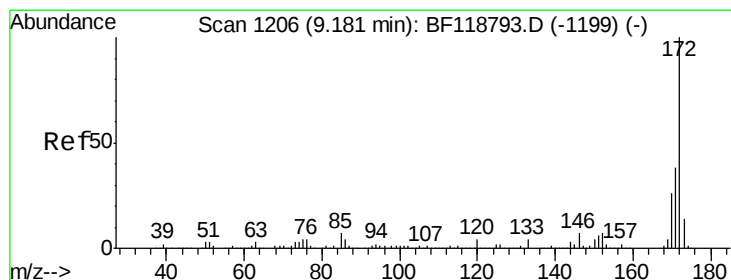
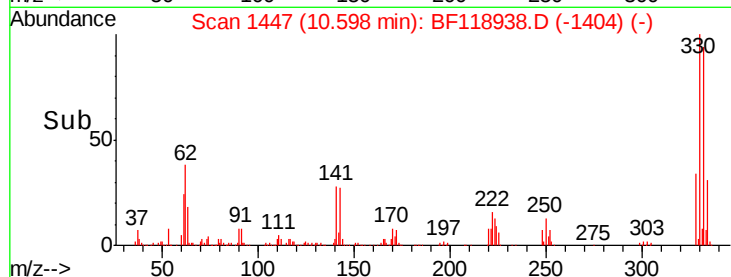
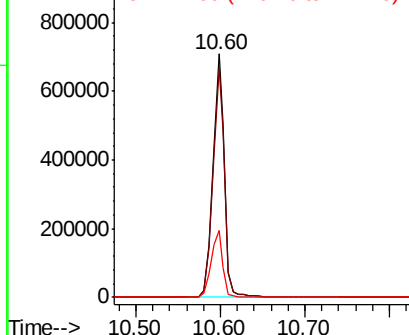
#42
 2,4,6-Tribromophenol
 Concen: 156.223 ng
 RT: 10.60 min Scan# 1447
 Delta R.T. -0.05 min
 Lab File: BF118938.D
 Acq: 14 Feb 2020 18:18

Instrument :
 BNA_F
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
330	100		
332	95.5	77.3	115.9
141	28.0	22.4	33.6

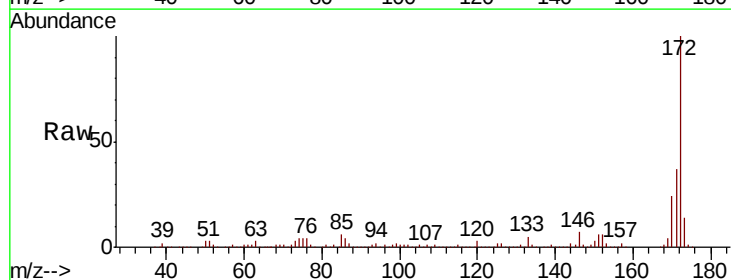


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

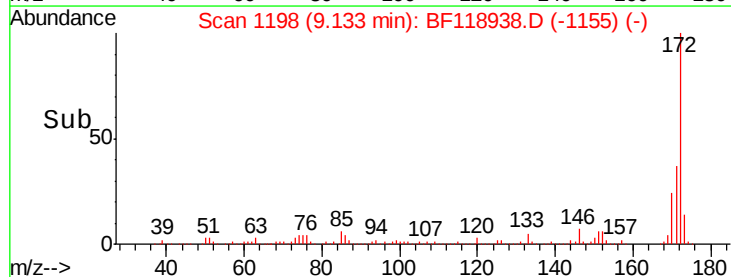
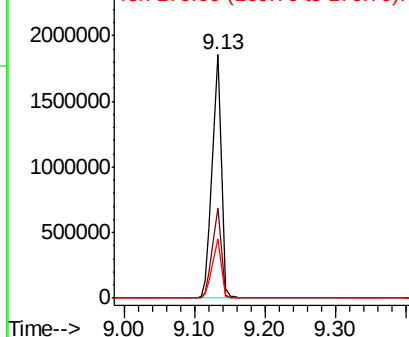


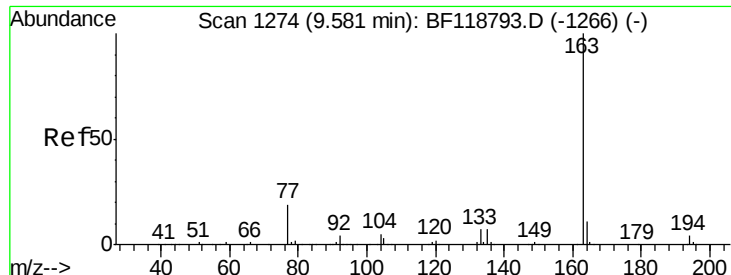
#45
 2-Fluorobiphenyl
 Concen: 84.220 ng
 RT: 9.13 min Scan# 1198
 Delta R.T. -0.05 min
 Lab File: BF118938.D
 Acq: 14 Feb 2020 18:18

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.8	30.8	46.2
170	24.4	20.5	30.7



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

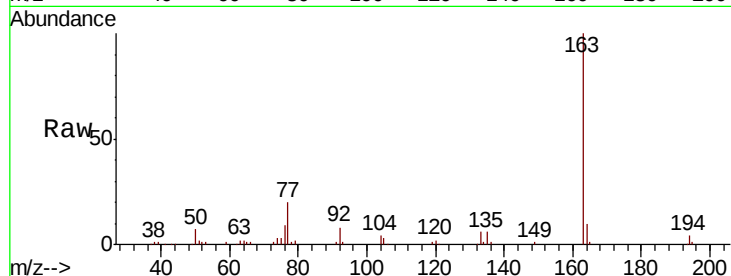




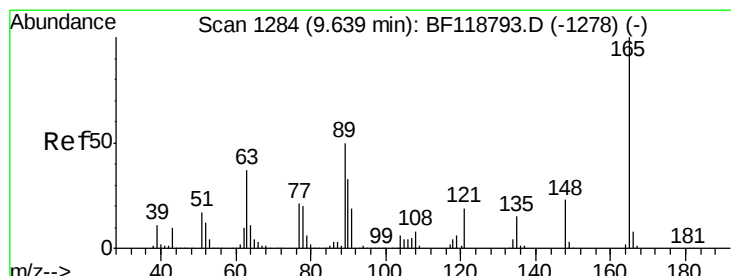
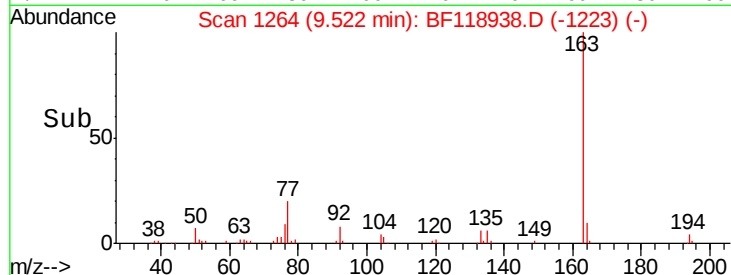
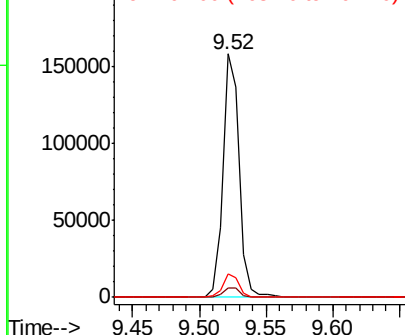
#50
Dimethylphthalate
Concen: 5.380 ng
RT: 9.52 min Scan# 1264
Delta R.T. -0.06 min
Lab File: BF118938.D
Acq: 14 Feb 2020 18:18

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
163	100		
194	4.0	3.6	5.4
164	9.7	8.7	13.1

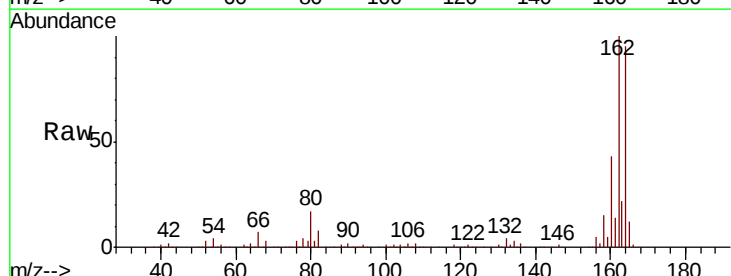


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

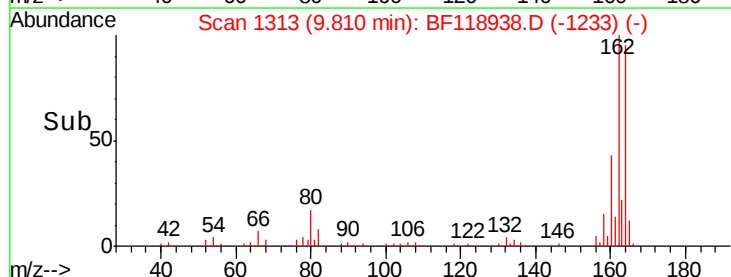
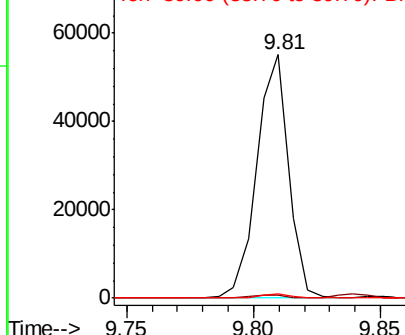


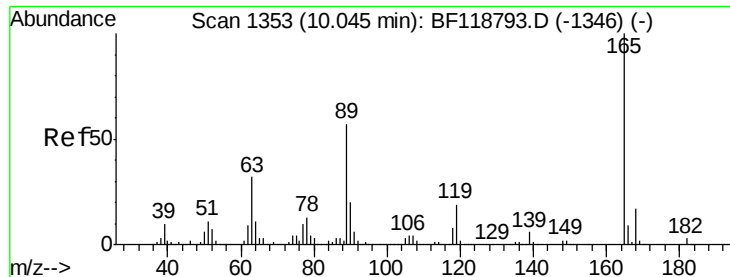
#51
2,6-Dinitrotoluene
Concen: 8.351 ng
RT: 9.81 min Scan# 1313
Delta R.T. 0.17 min
Lab File: BF118938.D
Acq: 14 Feb 2020 18:18

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.0	37.4	56.0#
89	1.5	39.7	59.5#



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

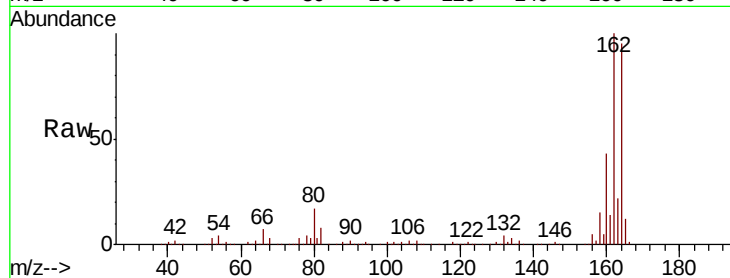




#57
2,4-Dinitrotoluene
Concen: 6.311 ng
RT: 9.81 min Scan# 1313
Delta R.T. -0.24 min
Lab File: BF118938.D
Acq: 14 Feb 2020 18:18

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
165	100		
63	1.0	25.5	38.3#
89	1.5	45.4	68.0#
182	0.0	2.4	3.6#



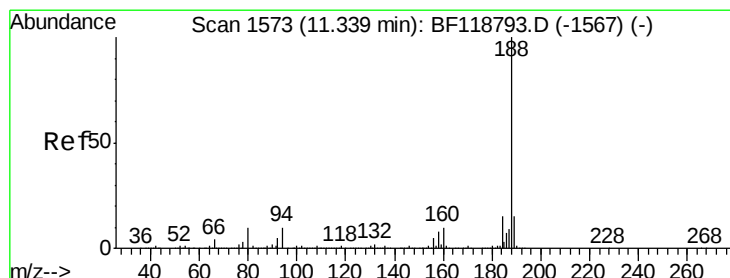
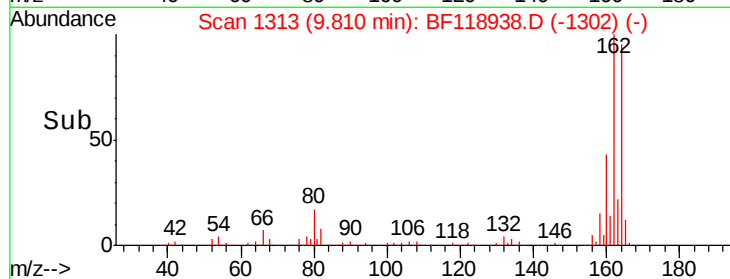
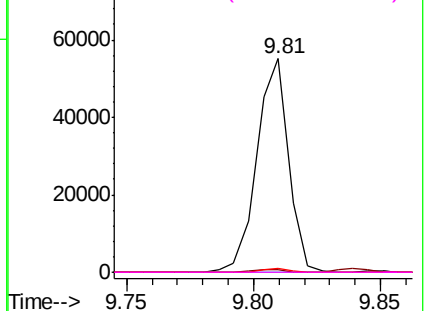
Abundance

Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

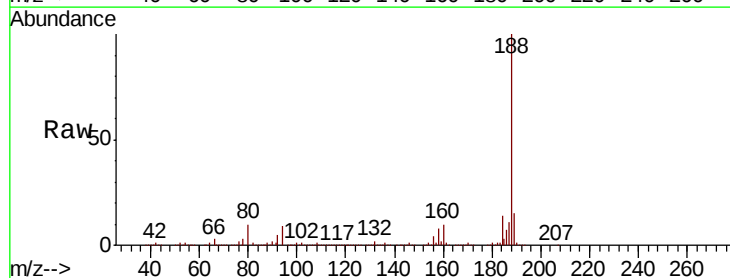
Ion 89.00 (88.70 to 89.70): BF1

Ion 182.00 (181.70 to 182.70): E



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.29 min Scan# 1565
Delta R.T. -0.05 min
Lab File: BF118938.D
Acq: 14 Feb 2020 18:18

Tgt Ion	Ratio	Lower	Upper
188	100		
94	8.8	7.9	11.9
80	9.7	8.4	12.6

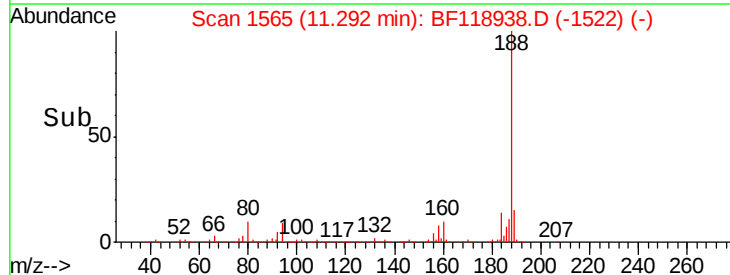
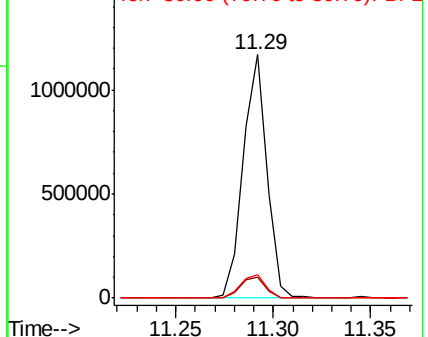


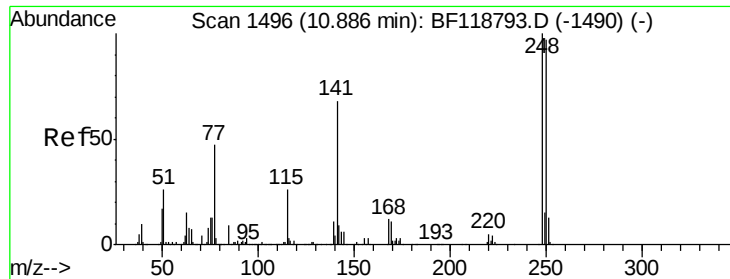
Abundance

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

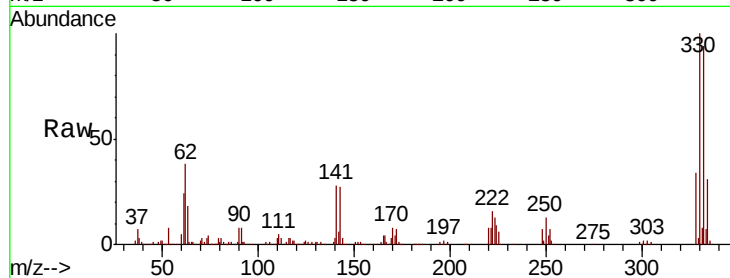




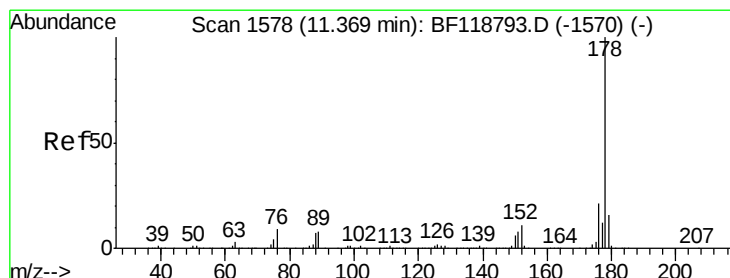
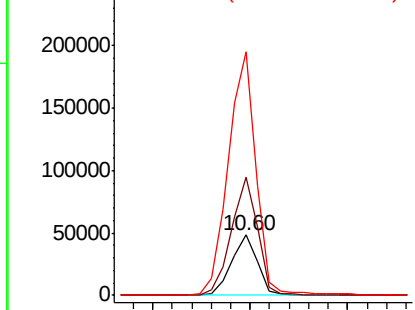
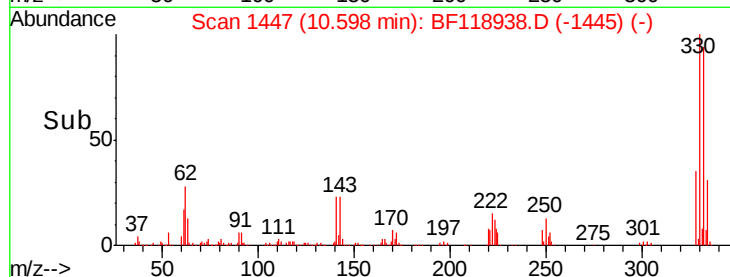
#67
 4-Bromophenyl-phenylether
 Concen: 3.822 ng
 RT: 10.60 min Scan# 1447
 Delta R.T. -0.29 min
 Lab File: BF118938.D
 Acq: 14 Feb 2020 18:18

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:248 Resp: 44628
 Ion Ratio Lower Upper
 248 100
 250 195.6 77.6 116.4#
 141 405.0 54.4 81.6#

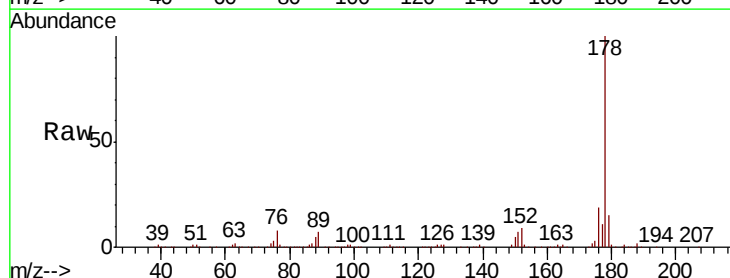


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

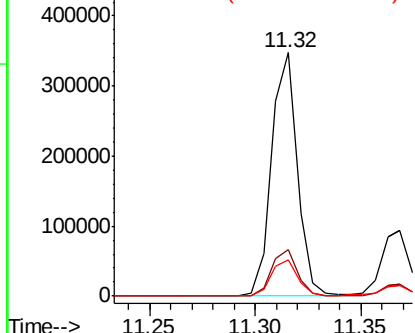
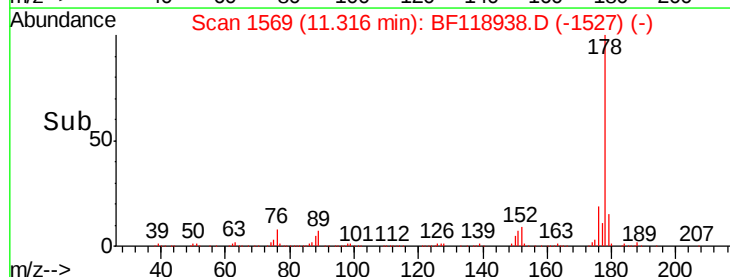


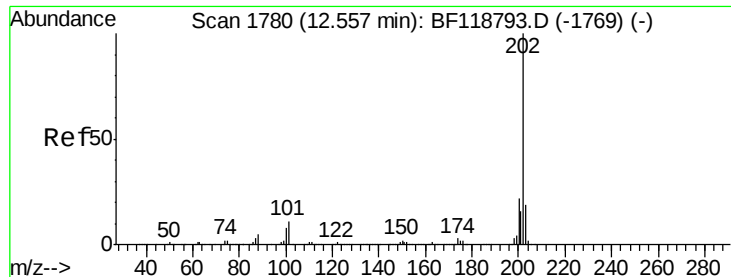
#71
 Phenanthrene
 Concen: 6.091 ng
 RT: 11.32 min Scan# 1569
 Delta R.T. -0.05 min
 Lab File: BF118938.D
 Acq: 14 Feb 2020 18:18

Tgt Ion:178 Resp: 295784
 Ion Ratio Lower Upper
 178 100
 176 18.8 16.6 24.8
 179 14.7 13.2 19.8



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





#75

Fluoranthene

Concen: 10.113 ng

RT: 12.50 min Scan# 1771

Delta R.T. -0.05 min

Lab File: BF118938.D

Acq: 14 Feb 2020 18:18

Instrument :

BNA_F

ClientSampleId :

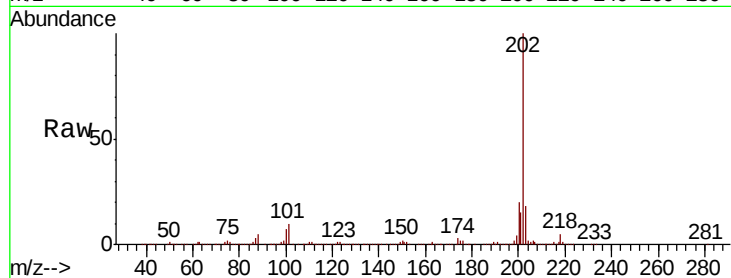
Tot Ion:202 Resp: 536203

Ion Ratio Lower Upper

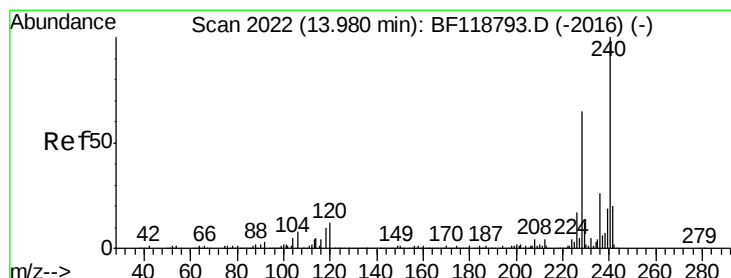
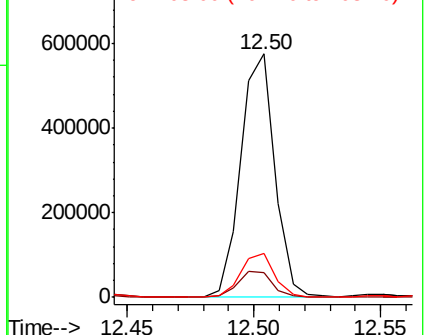
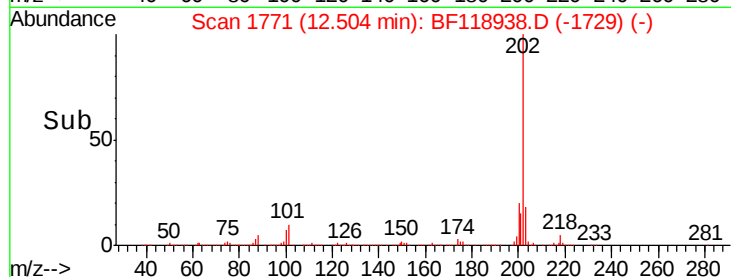
202 100

101 10.1 0.0 31.0

203 17.9 0.0 38.7



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



#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.93 min Scan# 2013

Delta R.T. -0.05 min

Lab File: BF118938.D

Acq: 14 Feb 2020 18:18

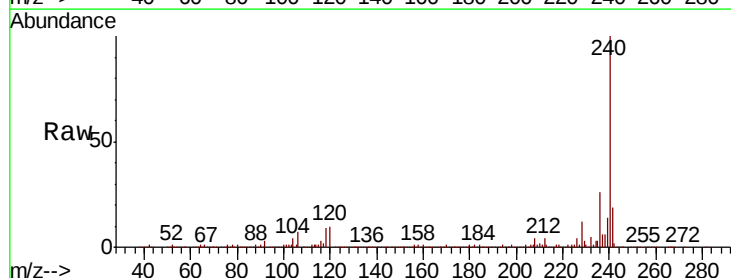
Tgt Ion:240 Resp: 688758

Ion Ratio Lower Upper

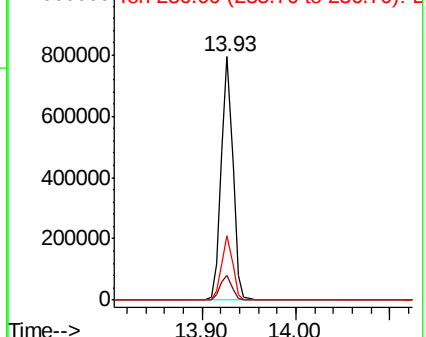
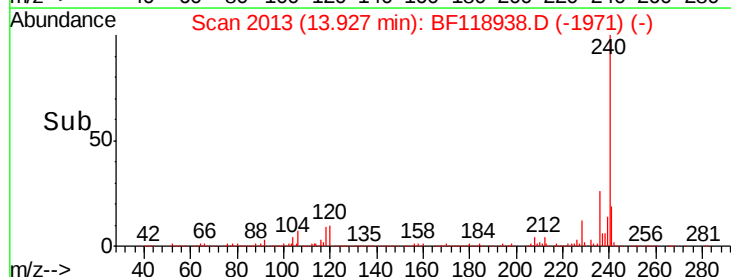
240 100

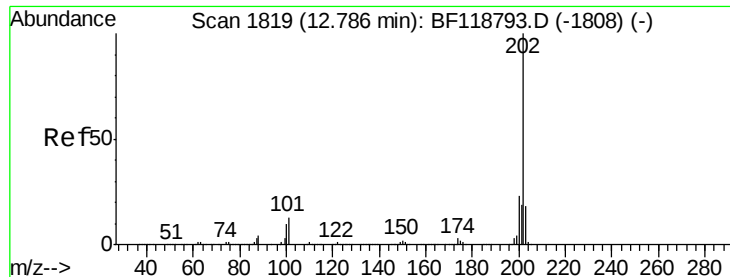
120 10.2 9.4 14.0

236 26.4 21.0 31.6



Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E





#78

Pvrene

Concen: 20.868 ng

RT: 12.73 min Scan# 1810

Delta R.T. -0.05 min

Lab File: BF118938.D

Acq: 14 Feb 2020 18:18

Instrument :

BNA_F

ClientSampled :

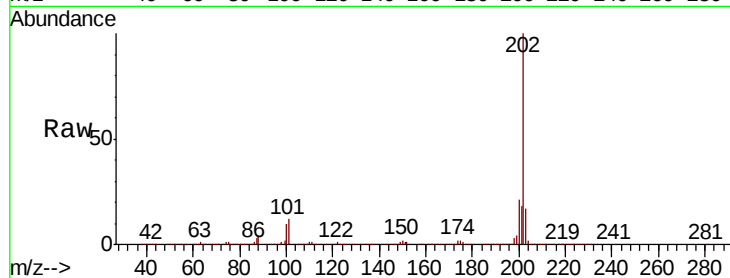
Tot Ion:202 Resp: 986027

Ion Ratio Lower Upper

202 100

200 21.0 18.2 27.2

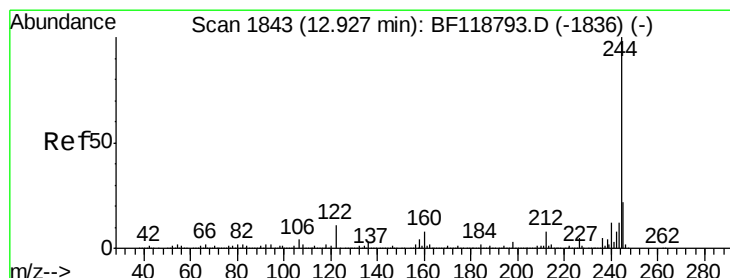
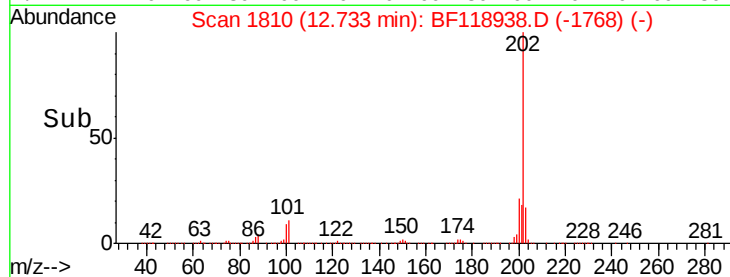
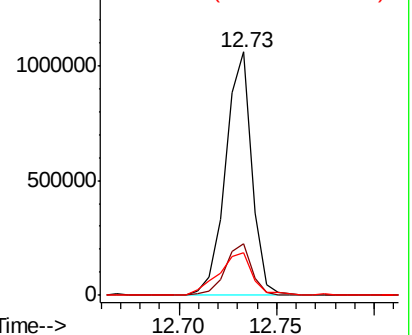
203 17.5 14.8 22.2



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



#79

Terphenyl-d14

Concen: 79.223 ng

RT: 12.88 min Scan# 1835

Delta R.T. -0.05 min

Lab File: BF118938.D

Acq: 14 Feb 2020 18:18

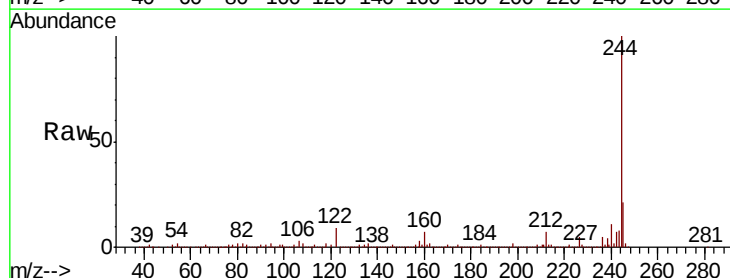
Tgt Ion:244 Resp: 2656505

Ion Ratio Lower Upper

244 100

212 7.2 6.5 9.7

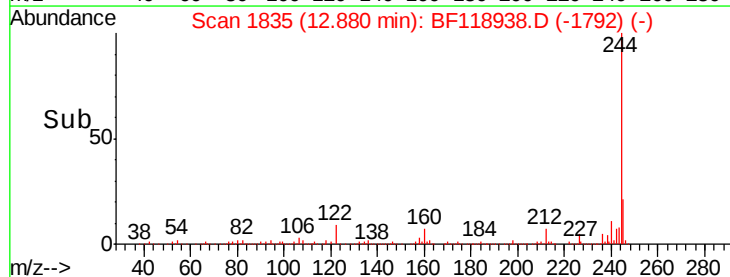
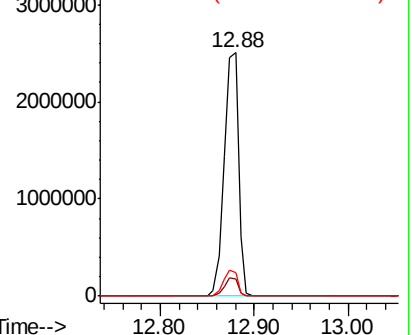
122 9.4 8.9 13.3

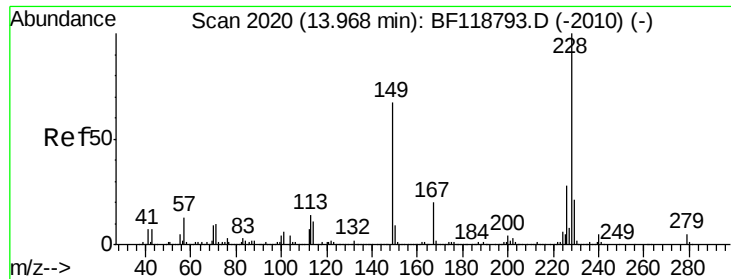


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

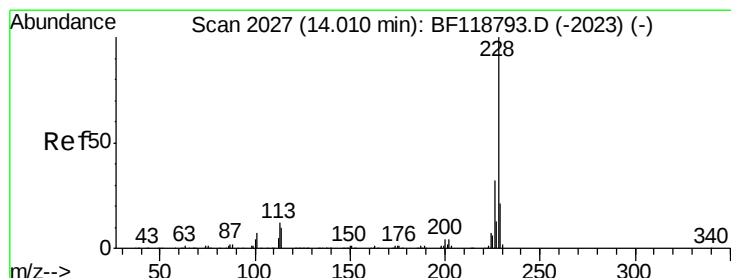
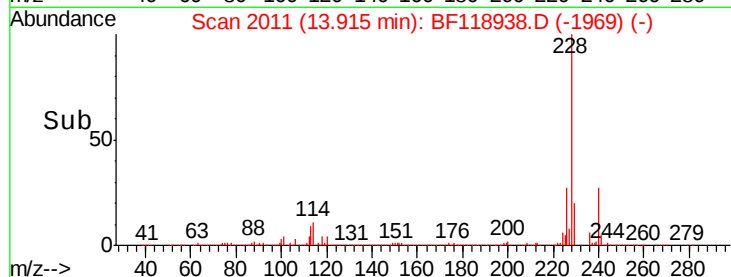
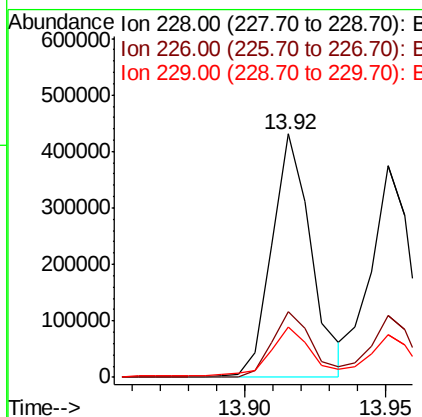
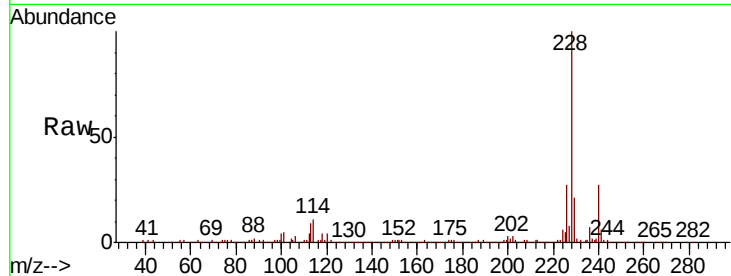




#81
Benzo(a)anthracene
Concen: 10.132 ng
RT: 13.92 min Scan# 2011
Delta R.T. -0.05 min
Lab File: BF118938.D
Acq: 14 Feb 2020 18:18

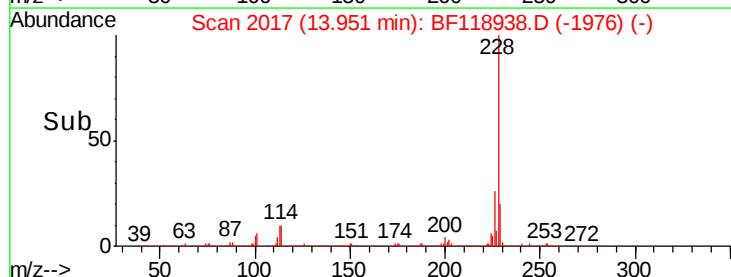
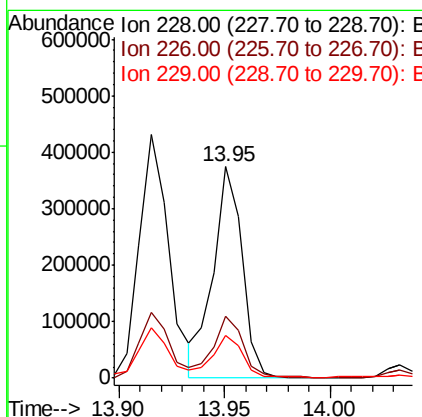
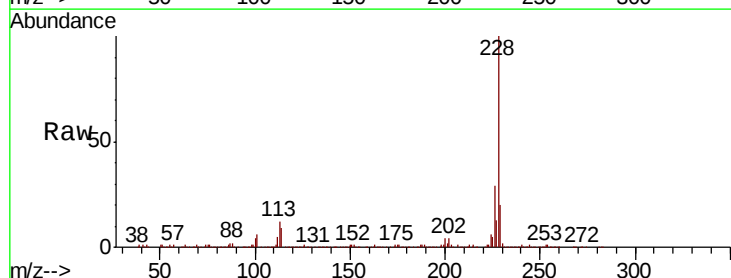
Instrument :
BNA_F
ClientSampled :

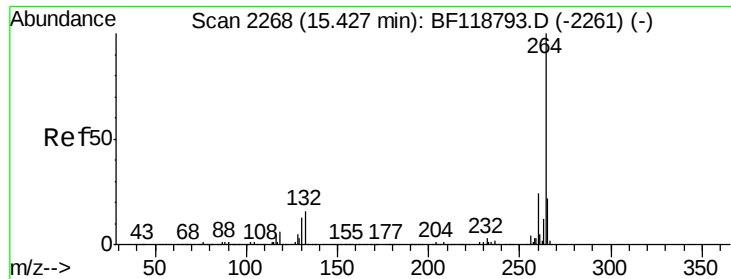
Tot Ion:228 Resp: 415274
Ion Ratio Lower Upper
228 100
226 26.9 22.7 34.1
229 20.7 16.6 25.0



#83
Chrysene
Concen: 8.677 ng
RT: 13.95 min Scan# 2017
Delta R.T. -0.06 min
Lab File: BF118938.D
Acq: 14 Feb 2020 18:18

Tgt Ion:228 Resp: 356929
Ion Ratio Lower Upper
228 100
226 29.2 25.4 38.0
229 20.1 16.9 25.3





#87

Pervlene-d12

Concen: 20.000 ng

RT: 15.36 min Scan# 2257

Delta R.T. -0.06 min

Lab File: BF118938.D

Acq: 14 Feb 2020 18:18

Instrument :

BNA_F

ClientSampleId :

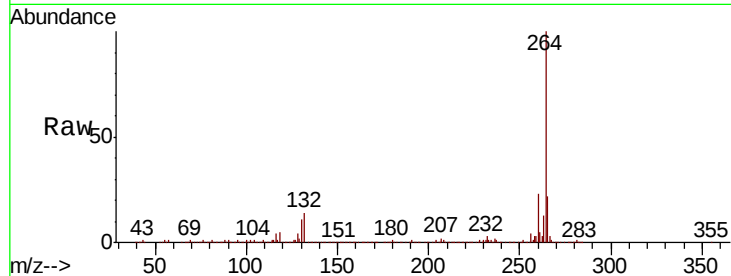
Tot Ion:264 Resp: 423478

Ion Ratio Lower Upper

264 100

260 23.4 19.1 28.7

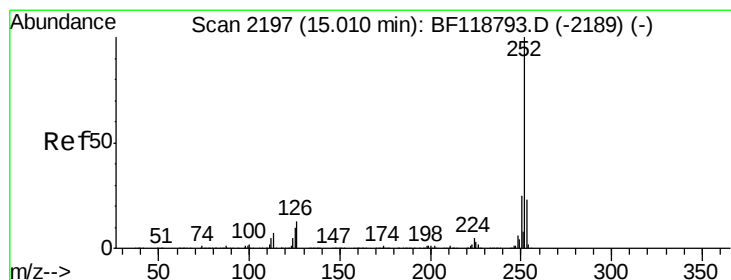
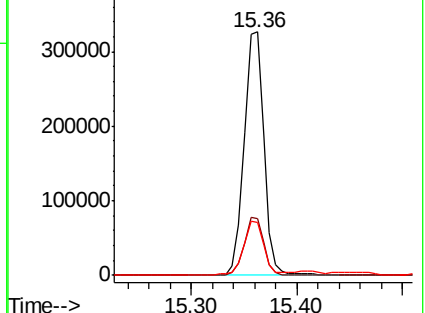
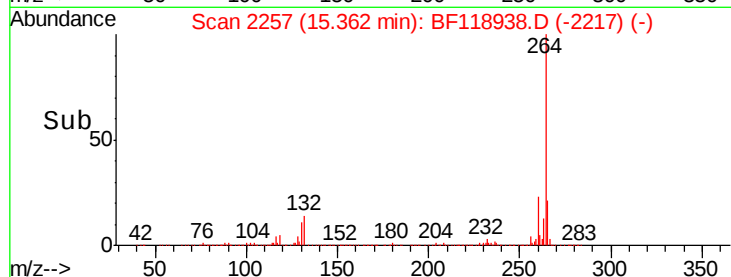
265 21.6 17.2 25.8



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



#88

Benzo(b)fluoranthene

Concen: 9.647 ng

RT: 14.95 min Scan# 2187

Delta R.T. -0.06 min

Lab File: BF118938.D

Acq: 14 Feb 2020 18:18

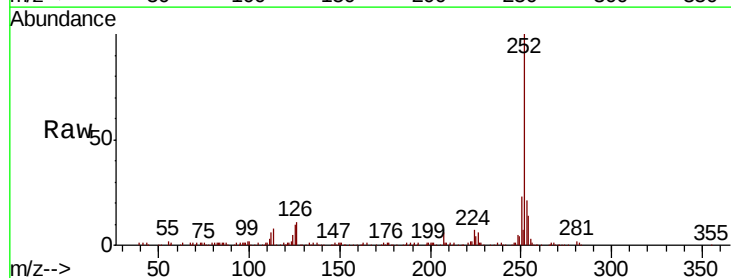
Tgt Ion:252 Resp: 253494

Ion Ratio Lower Upper

252 100

253 21.0 18.4 27.6

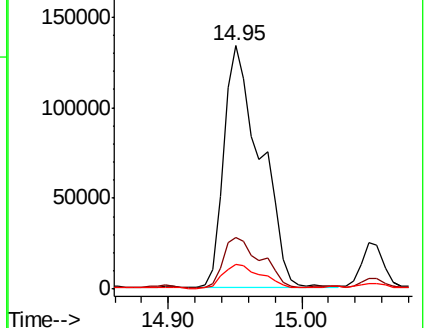
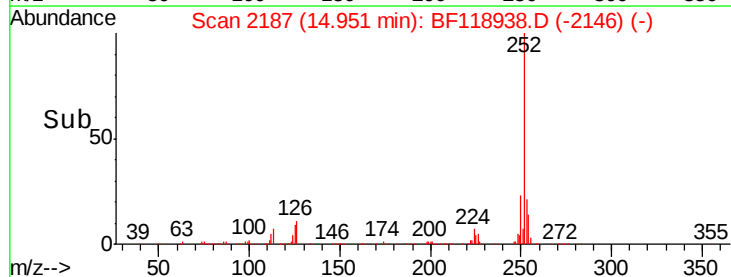
125 10.0 8.1 12.1

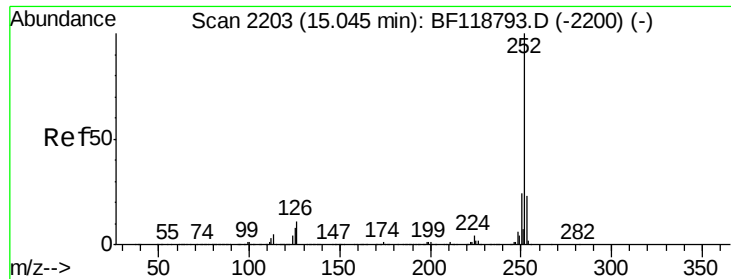


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

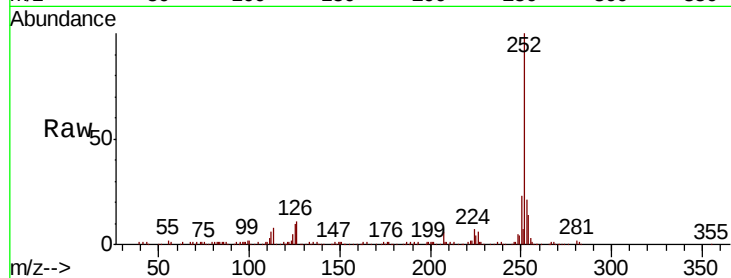




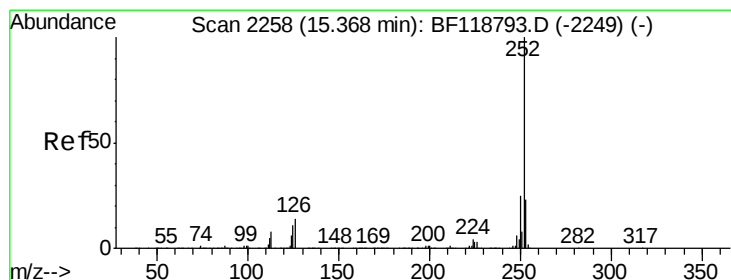
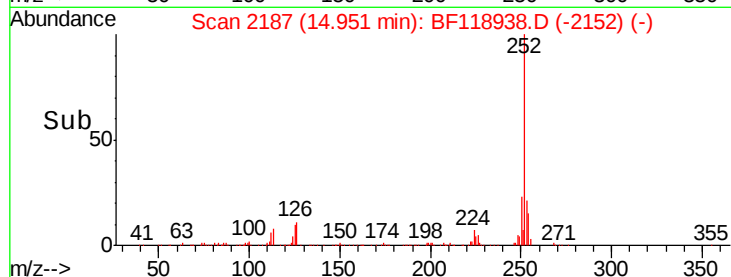
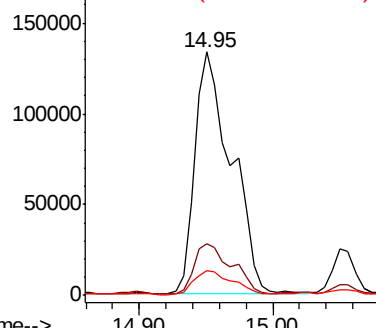
#89
Benzo(k)fluoranthene
Concen: 11.078 ng
RT: 14.95 min Scan# 2187
Delta R.T. -0.09 min
Lab File: BF118938.D
Acq: 14 Feb 2020 18:18

Instrument :
BNA_F
ClientSampleId :

Tot Ion:252 Resp: 253494
Ion Ratio Lower Upper
252 100
253 21.0 18.2 27.4
125 10.0 7.0 10.6

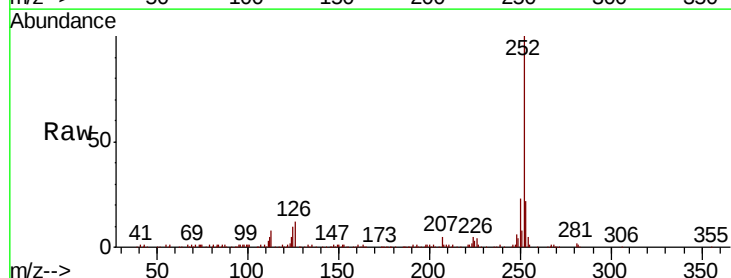


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

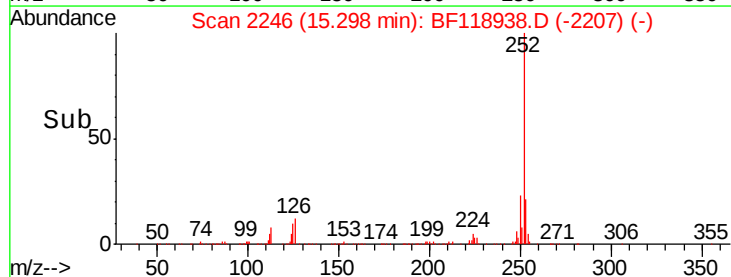
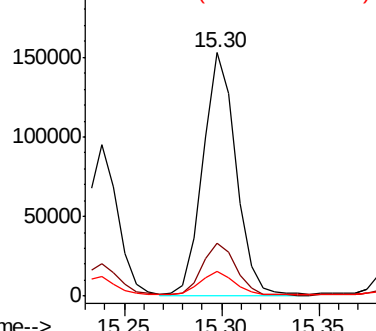


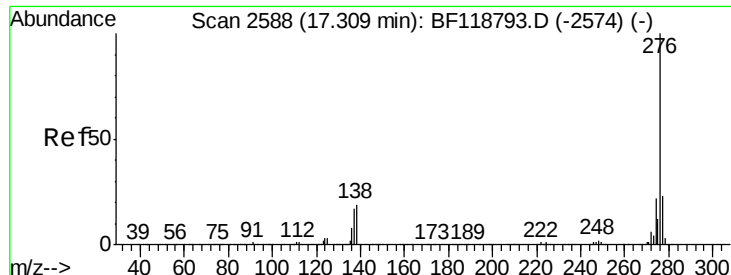
#90
Benzo(a)pyrene
Concen: 7.958 ng
RT: 15.30 min Scan# 2246
Delta R.T. -0.07 min
Lab File: BF118938.D
Acq: 14 Feb 2020 18:18

Tgt Ion:252 Resp: 178960
Ion Ratio Lower Upper
252 100
253 21.8 18.1 27.1
125 10.0 8.7 13.1



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

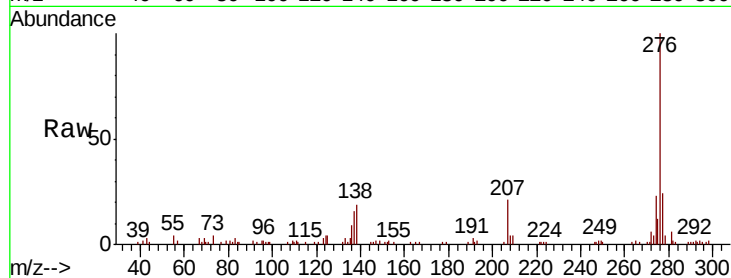




#92
 Benzo(a,h,i)perylene
 Concen: 4.404 ng
 RT: 17.19 min Scan# 2568
 Delta R.T. -0.12 min
 Lab File: BF118938.D
 Acq: 14 Feb 2020 18:18

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
276	100		
277	23.6	18.7	28.1
138	18.8	15.4	23.2



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

