

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF021120\
 Data File : BF118899.D
 Acq On : 11 Feb 2020 22:29
 Operator : CG/JU
 Sample : L1367-01 2X
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 OK-03-021020

Quant Time: Feb 12 06:52:19 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF020320.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Feb 03 16:26:03 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.80	152	265099	20.00	ng	-0.01
21) Naphthalene-d8	8.09	136	1054729	20.00	ng	-0.02
39) Acenaphthene-d10	9.84	164	436887	20.00	ng	-0.02
64) Phenanthrene-d10	11.33	188	777310	20.00	ng	-0.01
76) Chrysene-d12	13.96	240	536875	20.00	ng	-0.02
87) Perylene-d12	15.42	264	611871	20.00	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.43	112	781344	55.79	ng	0.00
7) Phenol-d6	6.44	99	926898	53.32	ng	-0.01
23) Nitrobenzene-d5	7.36	82	603000	34.08	ng	-0.02
42) 2,4,6-Tribromophenol	10.63	330	245088	46.88	ng	-0.02
45) 2-Fluorobiphenyl	9.16	172	1316423	53.87	ng	-0.02
79) Terphenyl-d14	12.91	244	1012520	38.74	ng	-0.02

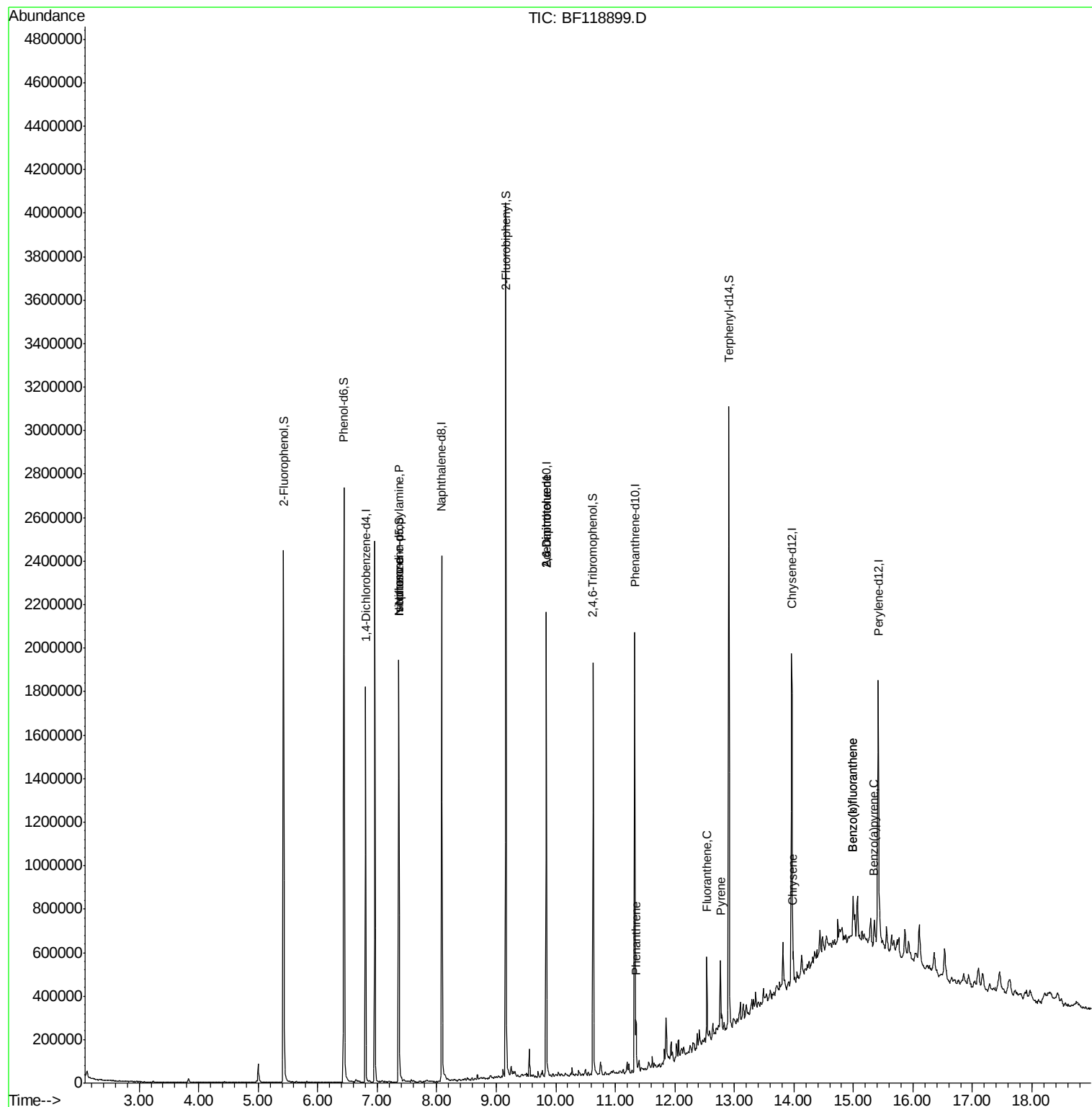
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.36	77	356	Below Cal		# 27
19) n-Nitroso-di-n-propylamine	7.36	70	80839	7.600	ng	# 76
25) Isophorone	7.36	82	603085	18.964	ng	# 63
51) 2,6-Dinitrotoluene	9.84	165	58782	8.636	ng	# 31
57) 2,4-Dinitrotoluene	9.84	165	58782	6.526	ng	# 34
71) Phenanthrene	11.35	178	85643	2.239	ng	95
75) Fluoranthene	12.54	202	153000	3.664	ng	99
78) Pyrene	12.77	202	147423	4.003	ng	97
83) Chrysene	13.99	228	69173	2.157	ng	95
88) Benzo(b)fluoranthene	15.00	252	116321	3.064	ng	# 88
89) Benzo(k)fluoranthene	15.00	252	116321	3.518	ng	# 87
90) Benzo(a)pyrene	15.35	252	66167	2.036	ng	# 92

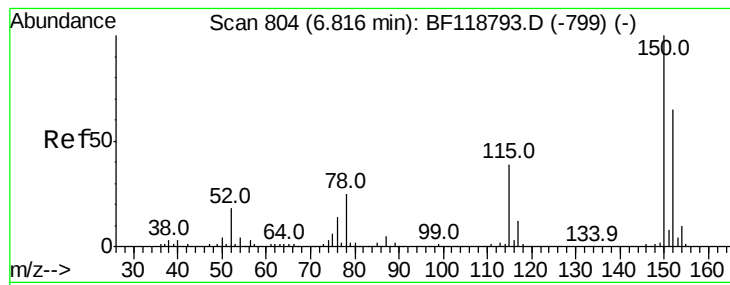
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 6.80 min Scan# 802

Delta R.T. -0.01 min

Lab File: BF118899.D

Acq: 11 Feb 2020 22:29

Instrument :

BNA_F

ClientSampleId :

OK-03-021020

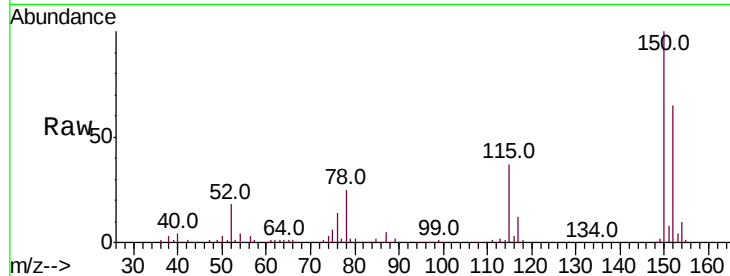
Tot Ion:152 Resp: 265099

Ion Ratio Lower Upper

152 100

150 153.5 123.6 185.4

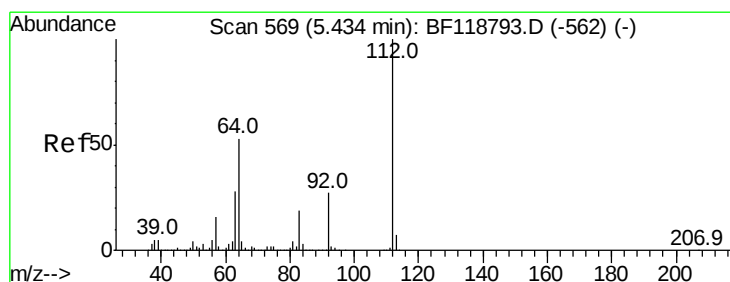
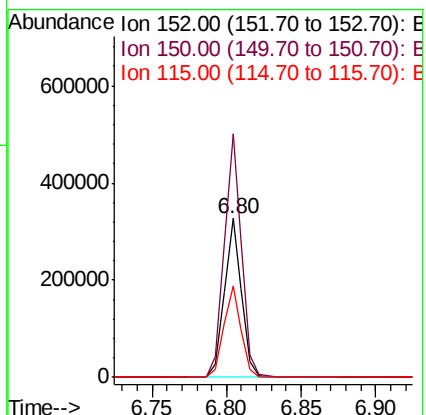
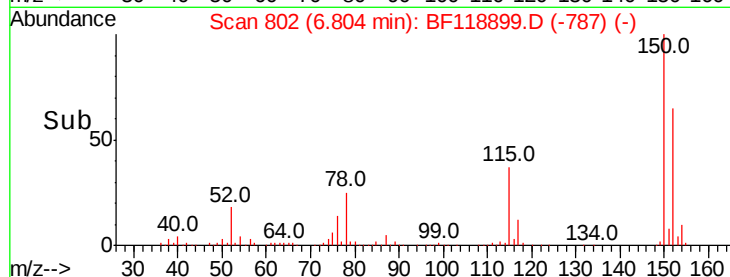
115 57.2 48.2 72.2



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: 55.792 ng

RT: 5.43 min Scan# 568

Delta R.T. -0.01 min

Lab File: BF118899.D

Acq: 11 Feb 2020 22:29

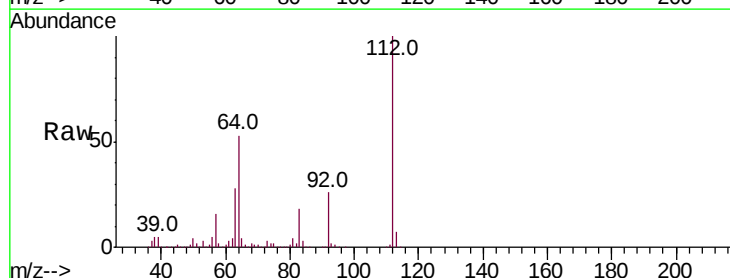
Tgt Ion:112 Resp: 781344

Ion Ratio Lower Upper

112 100

64 53.3 42.6 63.8

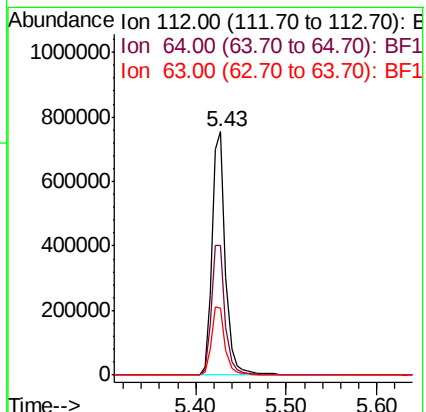
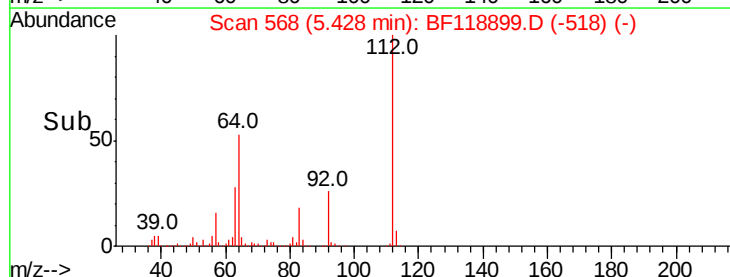
63 27.5 22.2 33.4

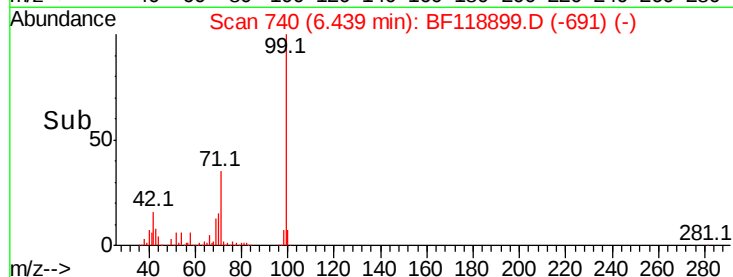
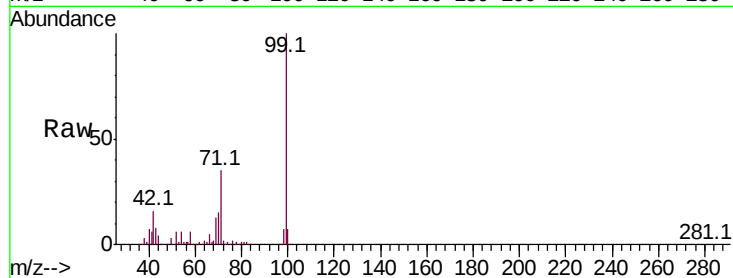
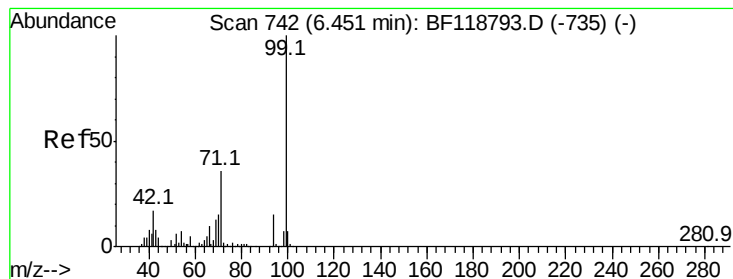


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF1

Ion 63.00 (62.70 to 63.70): BF1





#7

Phenol-d6

Concen: 53.317 ng

RT: 6.44 min Scan# 740

Delta R.T. -0.01 min

Lab File: BF118899.D

Acq: 11 Feb 2020 22:29

Instrument :

BNA_F

ClientSampleId :

OK-03-021020

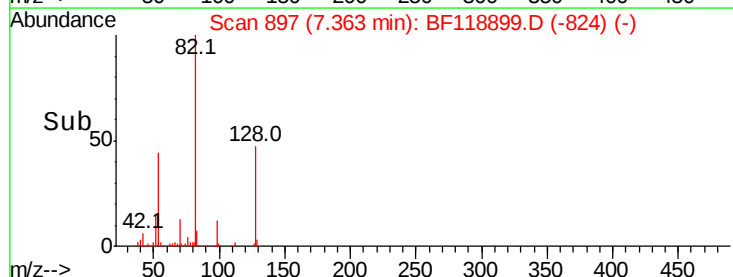
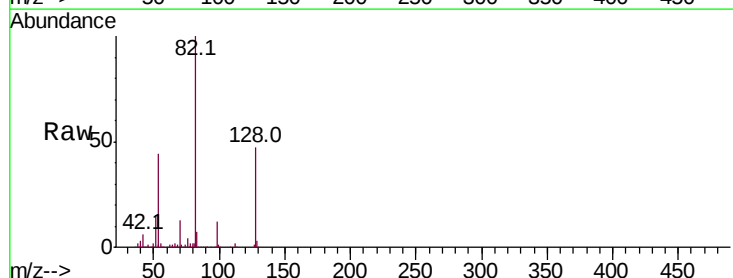
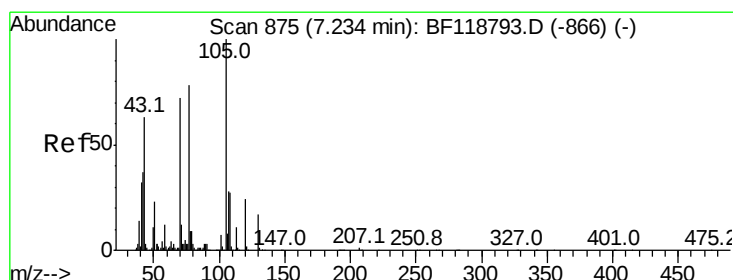
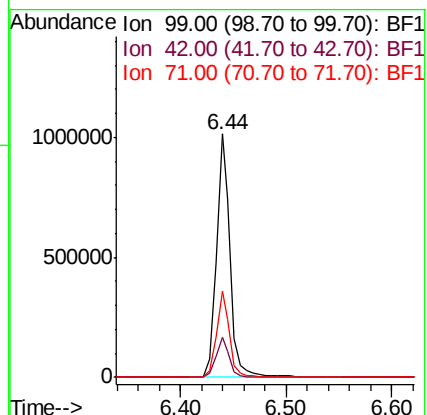
Tot Ion: 99 Resp: 926898

Ion Ratio Lower Upper

99 100

42 16.5 13.4 20.0

71 35.3 29.0 43.6



#19

n-Nitroso-di-n-propylamine

Concen: 7.600 ng

RT: 7.36 min Scan# 897

Delta R.T. 0.13 min

Lab File: BF118899.D

Acq: 11 Feb 2020 22:29

Tgt Ion: 70 Resp: 80839

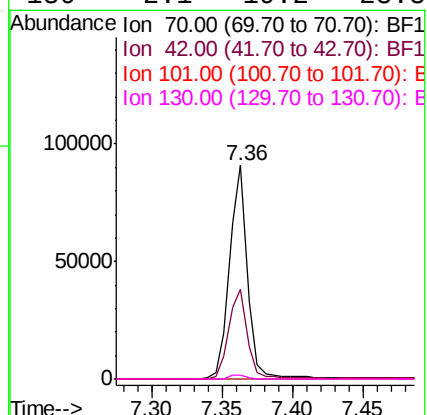
Ion Ratio Lower Upper

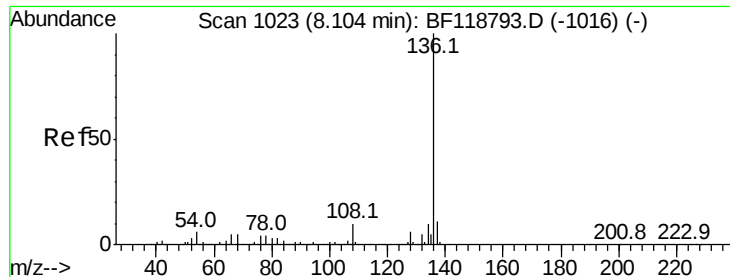
70 100

42 41.9 41.5 62.3

101 0.0 8.3 12.5#

130 2.1 19.2 28.8#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.09 min Scan# 1020

Delta R.T. -0.02 min

Lab File: BF118899.D

Acq: 11 Feb 2020 22:29

Instrument :

BNA_F

ClientSampleId :

OK-03-021020

Tot Ion:136 Resp: 1054729

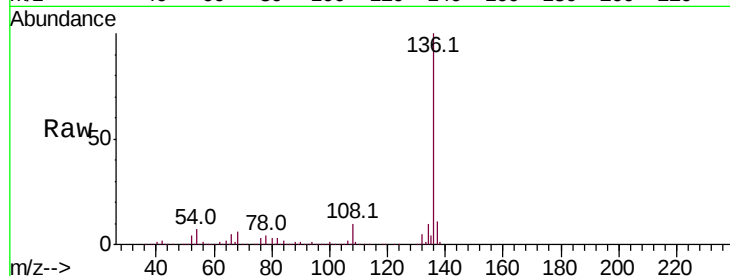
Ion Ratio Lower Upper

136 100

137 11.0 8.7 13.1

54 6.8 5.0 7.6

68 6.1 4.2 6.4

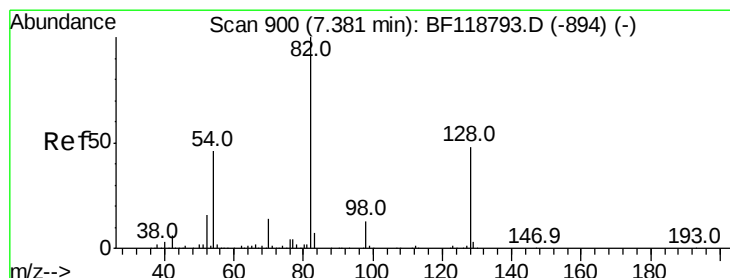
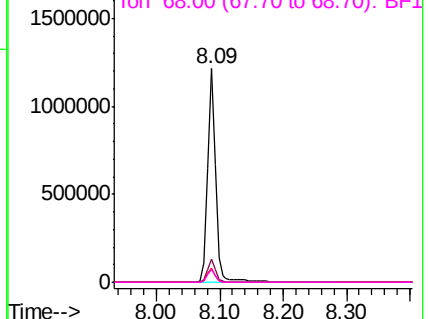
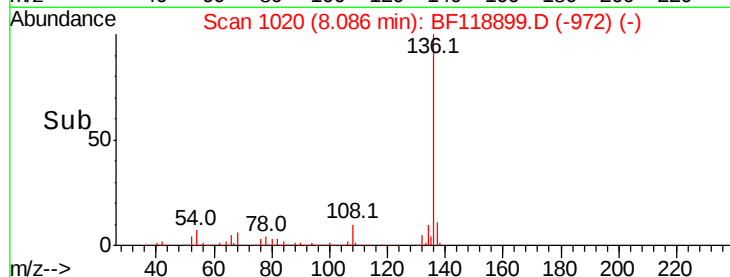


Abundance Ion 136.00 (135.70 to 136.70): E

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: 34.077 ng

RT: 7.36 min Scan# 897

Delta R.T. -0.02 min

Lab File: BF118899.D

Acq: 11 Feb 2020 22:29

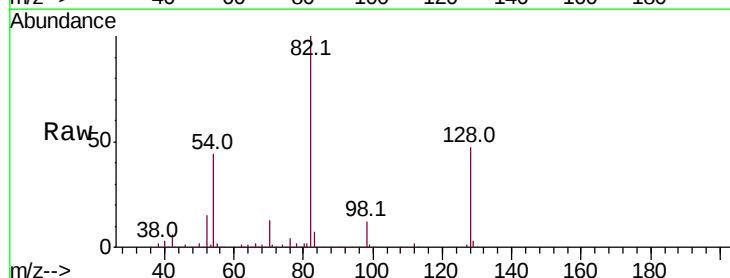
Tgt Ion: 82 Resp: 603000

Ion Ratio Lower Upper

82 100

128 47.1 38.5 57.7

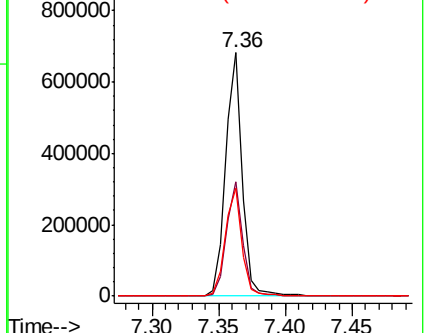
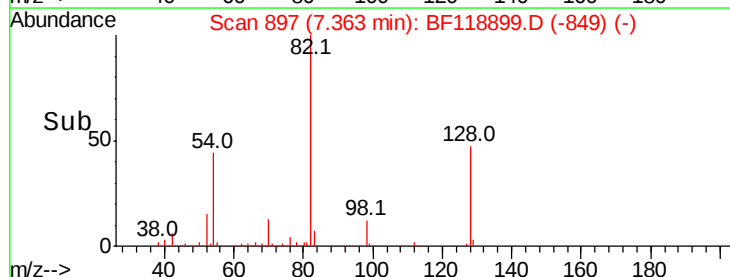
54 44.2 36.7 55.1

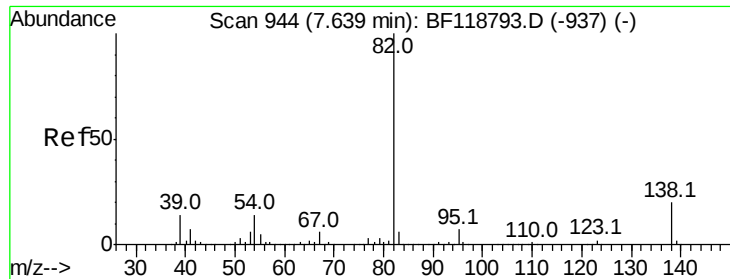


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 18.964 ng

RT: 7.36 min Scan# 897

Delta R.T. -0.28 min

Lab File: BF118899.D

Acq: 11 Feb 2020 22:29

Instrument :

BNA_F

ClientSampleId :

OK-03-021020

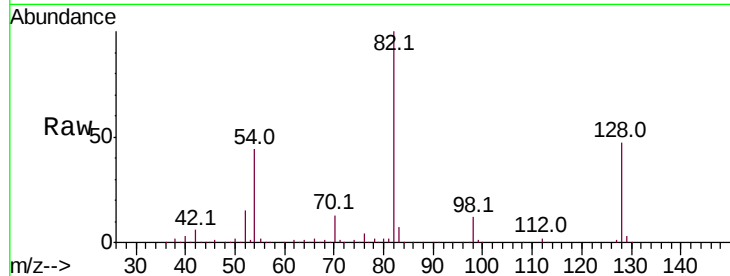
Tot Ion: 82 Resp: 603085

Ion Ratio Lower Upper

82 100

95 0.0 6.0 9.0#

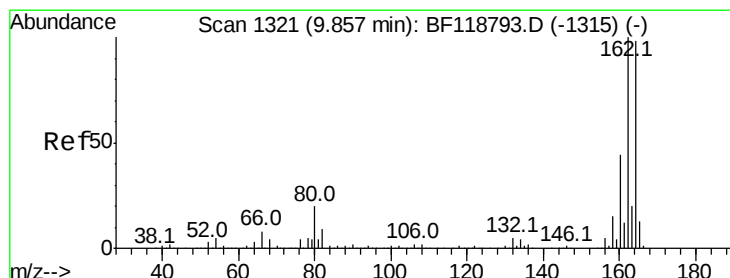
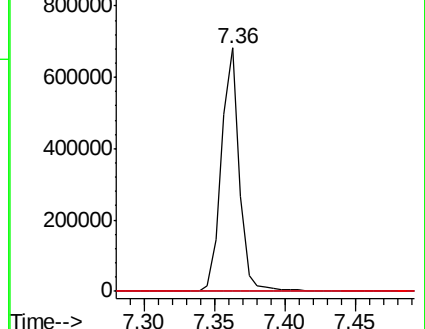
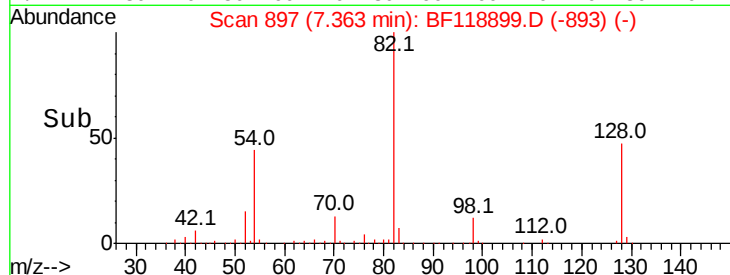
138 0.0 15.7 23.5#



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: 9.84 min Scan# 1318

Delta R.T. -0.02 min

Lab File: BF118899.D

Acq: 11 Feb 2020 22:29

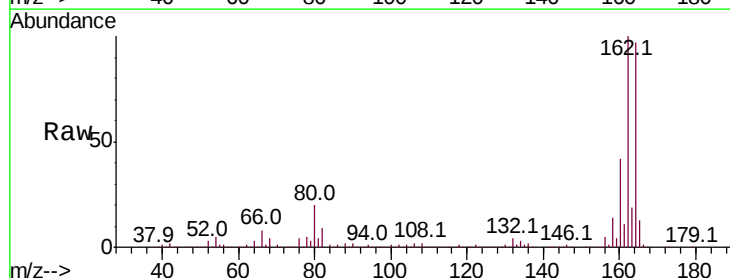
Tgt Ion:164 Resp: 436887

Ion Ratio Lower Upper

164 100

162 102.8 81.4 122.2

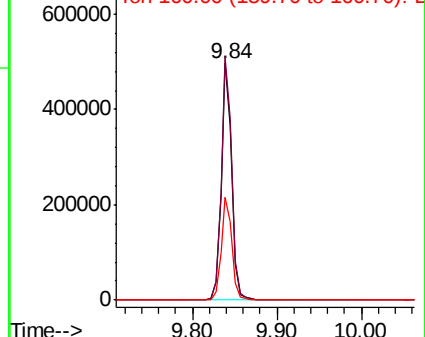
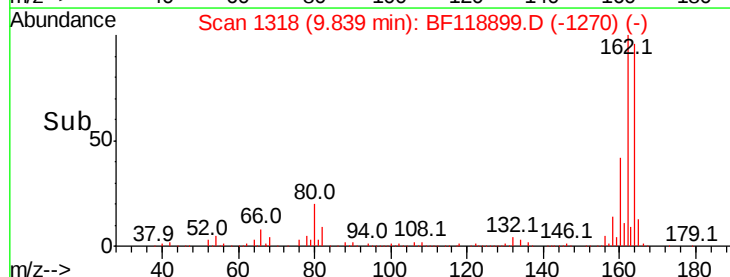
160 43.4 35.6 53.4

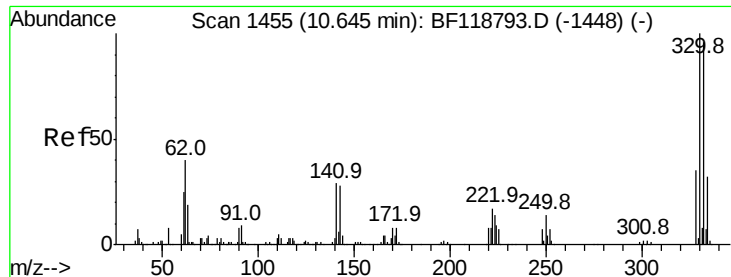


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

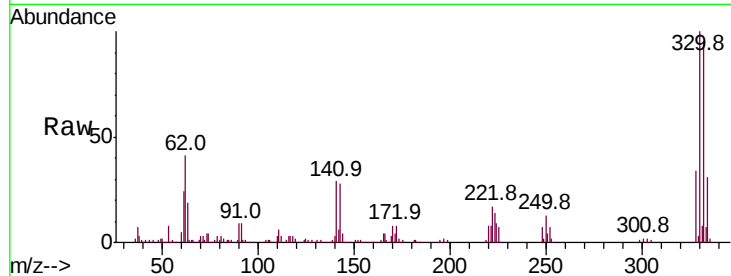




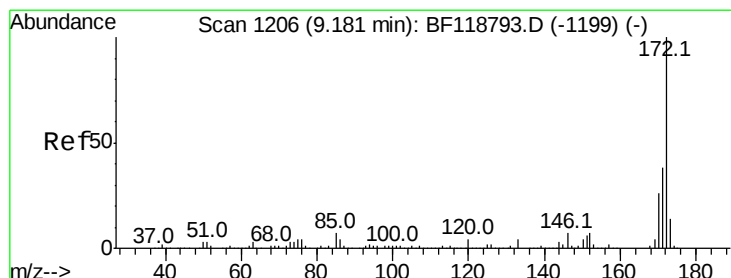
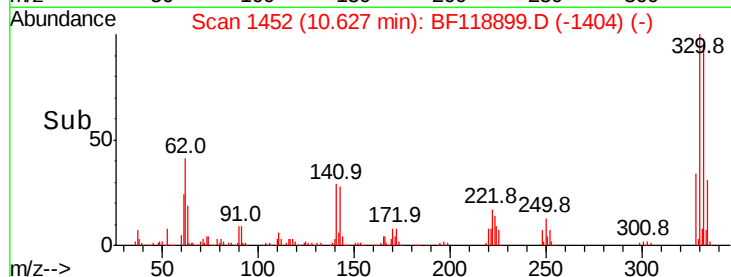
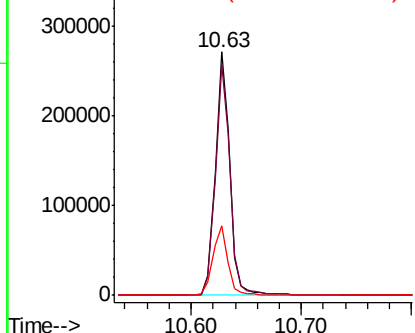
#42
 2,4,6-Tribromophenol
 Concen: 46.885 ng
 RT: 10.63 min Scan# 1452
 Delta R.T. -0.02 min
 Lab File: BF118899.D
 Acq: 11 Feb 2020 22:29

Instrument :
 BNA_F
 ClientSampleId :
 OK-03-021020

Tot Ion:330 Resp: 245088
 Ion Ratio Lower Upper
 330 100
 332 96.5 77.3 115.9
 141 28.7 22.4 33.6

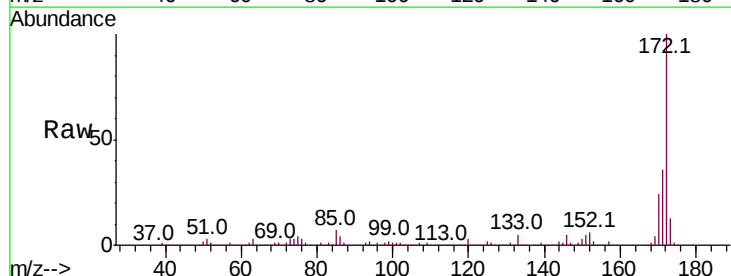


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

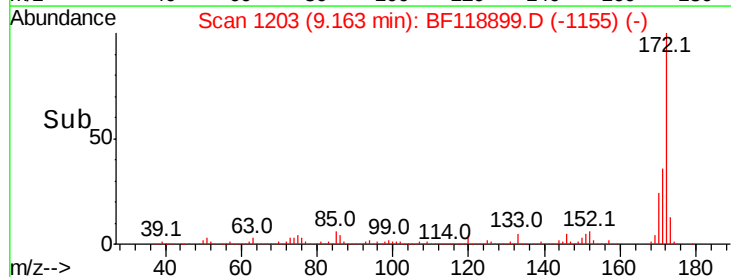
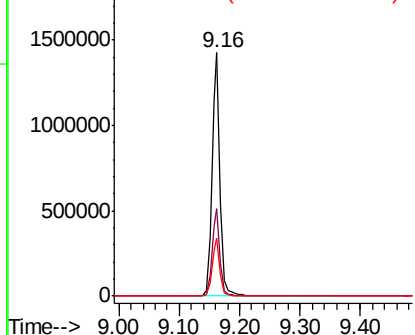


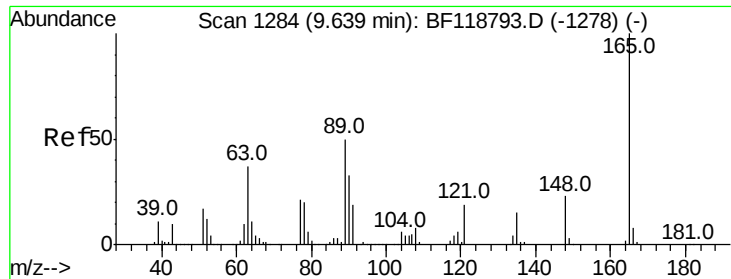
#45
 2-Fluorobiphenyl
 Concen: 53.867 ng
 RT: 9.16 min Scan# 1203
 Delta R.T. -0.02 min
 Lab File: BF118899.D
 Acq: 11 Feb 2020 22:29

Tgt Ion:172 Resp: 1316423
 Ion Ratio Lower Upper
 172 100
 171 35.9 30.8 46.2
 170 23.6 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

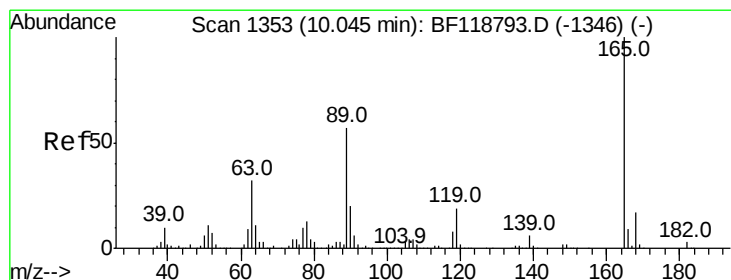
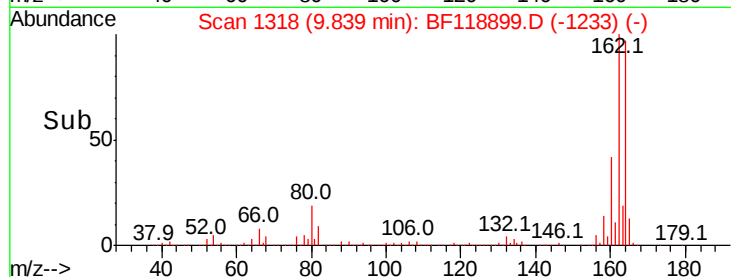
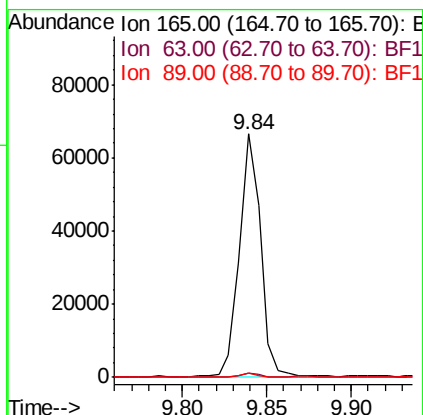
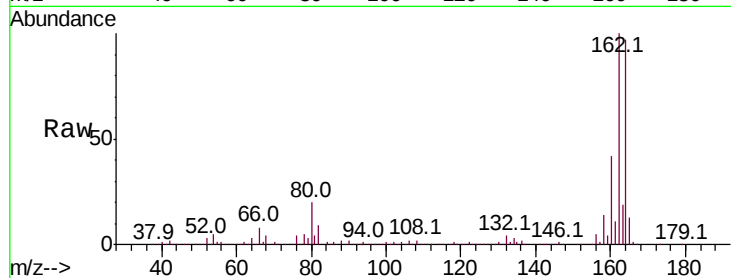




#51
 2,6-Dinitrotoluene
 Concen: 8.636 ng
 RT: 9.84 min Scan# 1318
 Delta R.T. 0.20 min
 Lab File: BF118899.D
 Acq: 11 Feb 2020 22:29

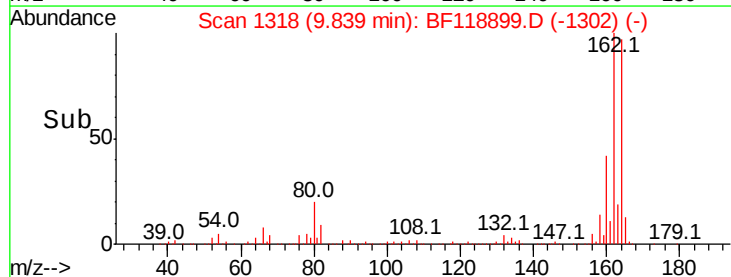
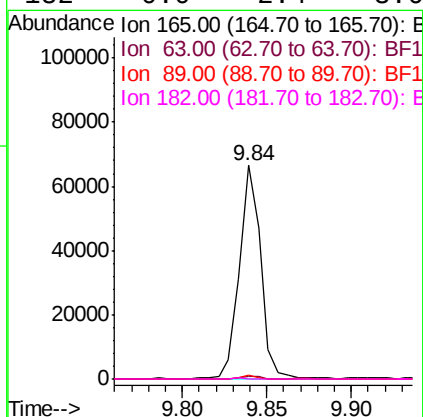
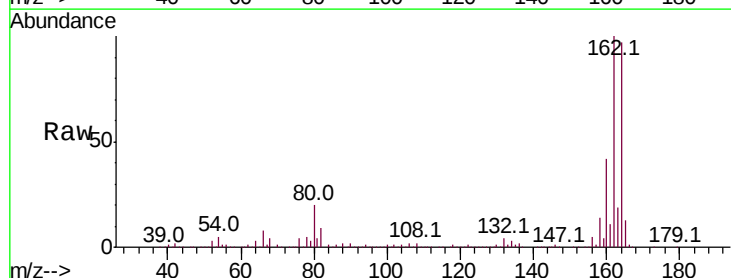
Instrument :
 BNA_F
 ClientSampleId :
 OK-03-021020

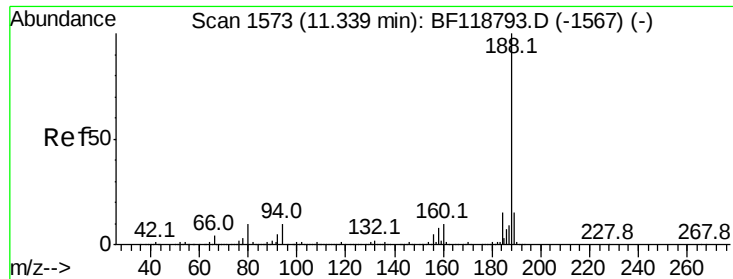
Tot Ion	Ratio	Lower	Upper
165	100		
63	1.5	37.4	56.0#
89	1.6	39.7	59.5#



#57
 2,4-Dinitrotoluene
 Concen: 6.526 ng
 RT: 9.84 min Scan# 1318
 Delta R.T. -0.21 min
 Lab File: BF118899.D
 Acq: 11 Feb 2020 22:29

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.5	25.5	38.3#
89	1.6	45.4	68.0#
182	0.0	2.4	3.6#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.33 min Scan# 1571

Delta R.T. -0.01 min

Lab File: BF118899.D

Acq: 11 Feb 2020 22:29

Instrument :

BNA_F

ClientSampleId :

OK-03-021020

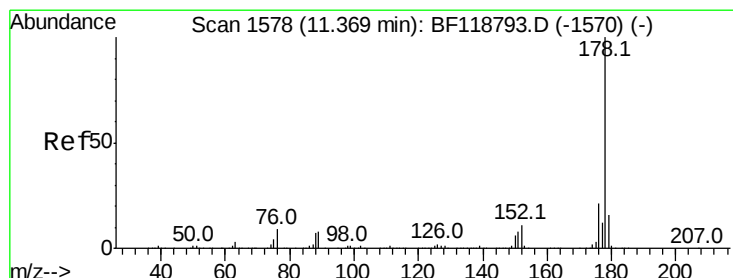
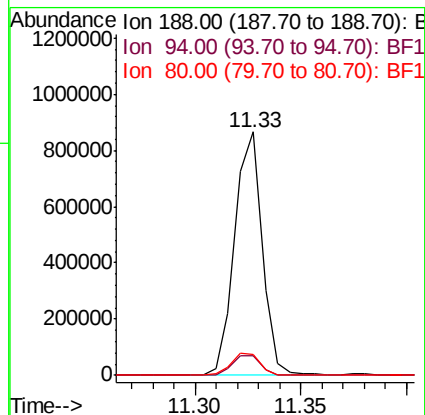
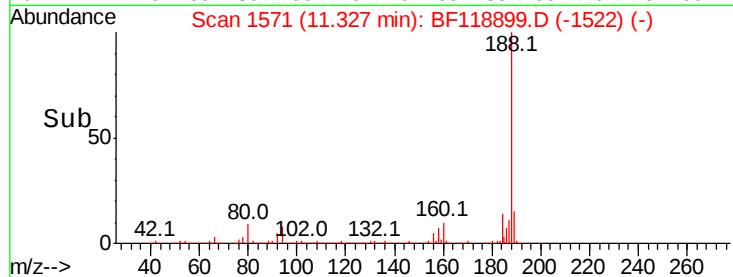
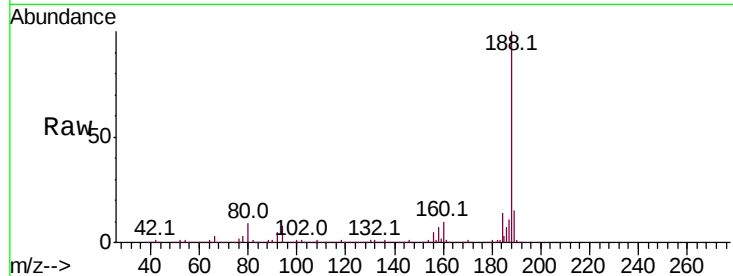
Tot Ion:188 Resp: 777310

Ion Ratio Lower Upper

188 100

94 8.2 7.9 11.9

80 8.6 8.4 12.6



#71

Phenanthrene

Concen: 2.239 ng

RT: 11.35 min Scan# 1575

Delta R.T. -0.02 min

Lab File: BF118899.D

Acq: 11 Feb 2020 22:29

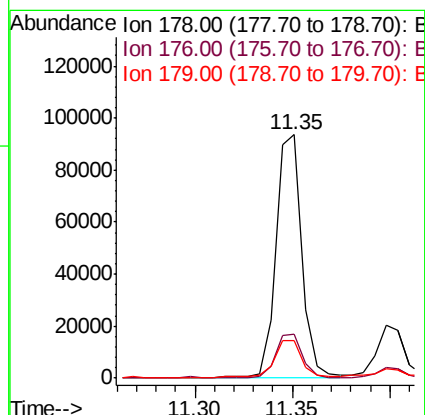
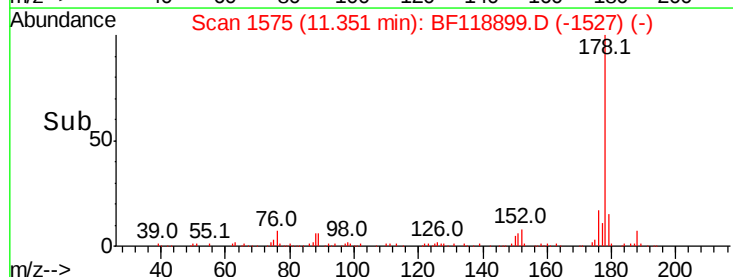
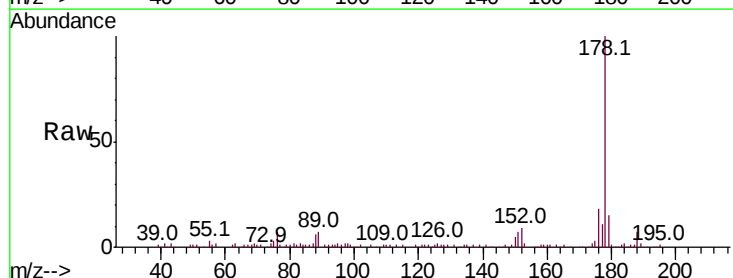
Tgt Ion:178 Resp: 85643

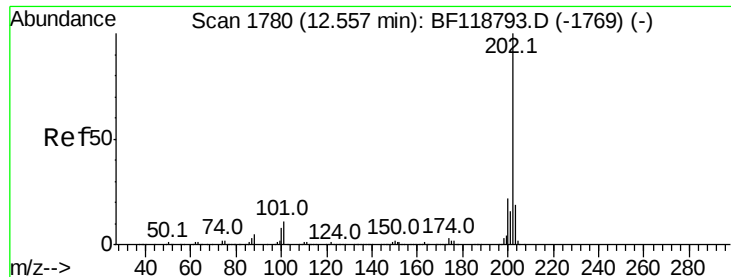
Ion Ratio Lower Upper

178 100

176 17.8 16.6 24.8

179 15.2 13.2 19.8





#75

Fluoranthene

Concen: 3.664 ng

RT: 12.54 min Scan# 1777

Delta R.T. -0.02 min

Lab File: BF118899.D

Acq: 11 Feb 2020 22:29

Instrument :

BNA_F

ClientSampleId :

OK-03-021020

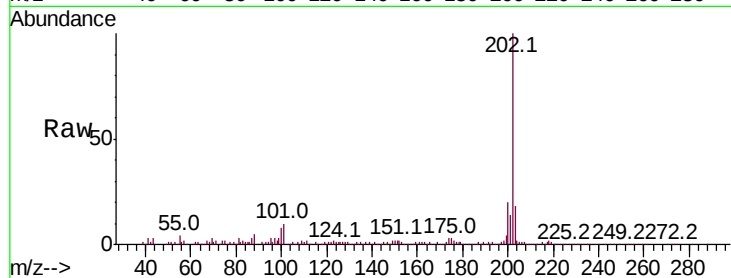
Tot Ion:202 Resp: 153000

Ion Ratio Lower Upper

202 100

101 10.3 0.0 31.0

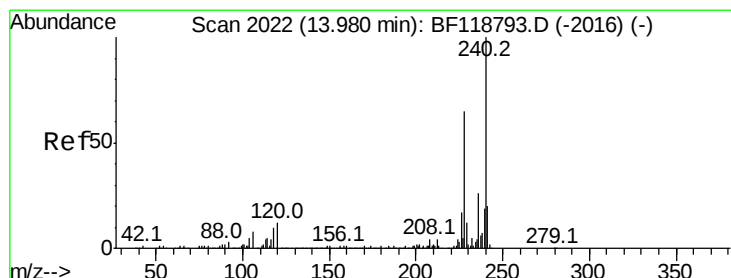
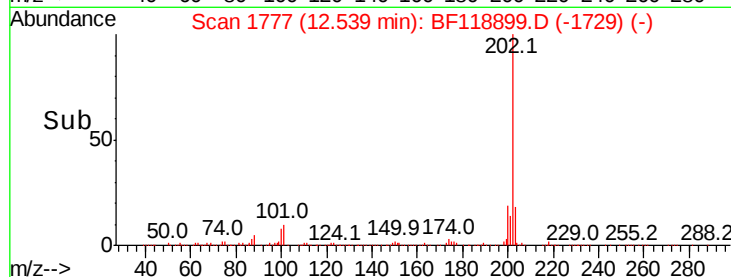
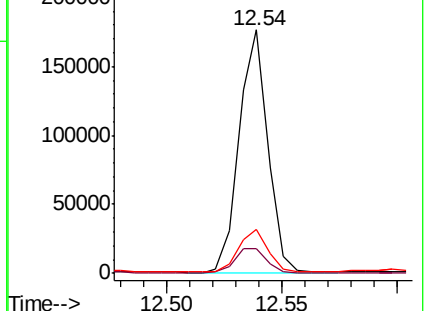
203 18.3 0.0 38.7



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: 13.96 min Scan# 2019

Delta R.T. -0.02 min

Lab File: BF118899.D

Acq: 11 Feb 2020 22:29

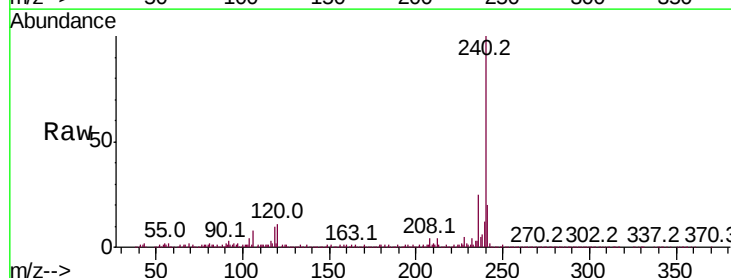
Tgt Ion:240 Resp: 536875

Ion Ratio Lower Upper

240 100

120 10.7 9.4 14.0

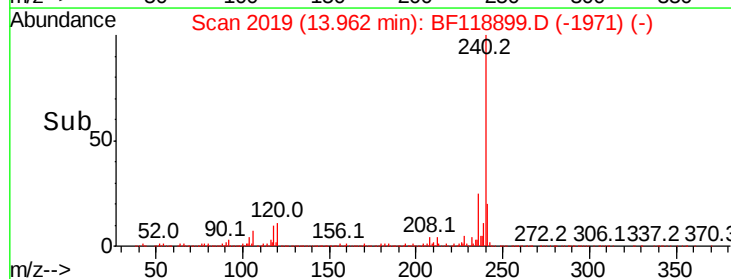
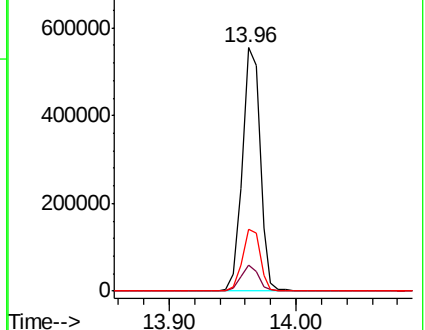
236 25.3 21.0 31.6

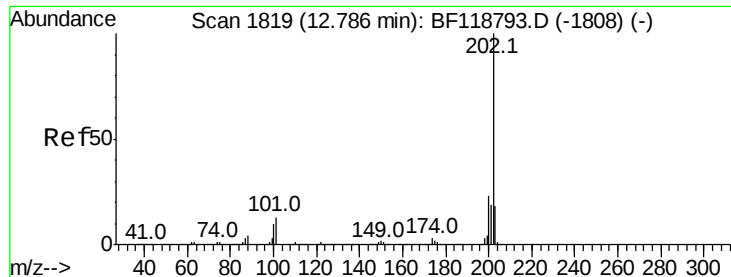


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#78

Pvrene

Concen: 4.003 ng

RT: 12.77 min Scan# 1816

Delta R.T. -0.02 min

Lab File: BF118899.D

Acq: 11 Feb 2020 22:29

Instrument :

BNA_F

ClientSampleId :

OK-03-021020

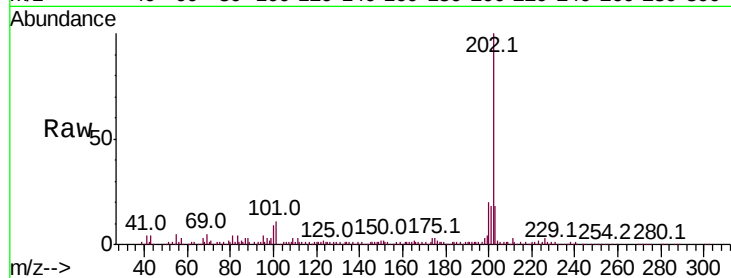
Tot Ion:202 Resp: 147423

Ion Ratio Lower Upper

202 100

200 20.1 18.2 27.2

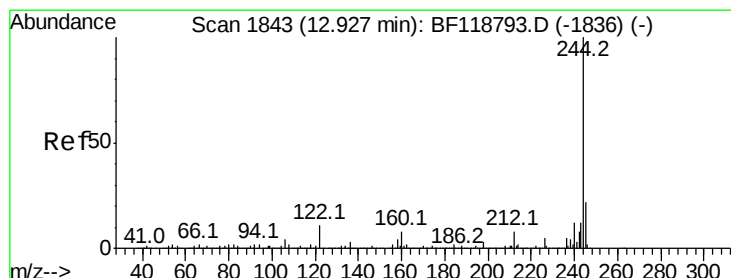
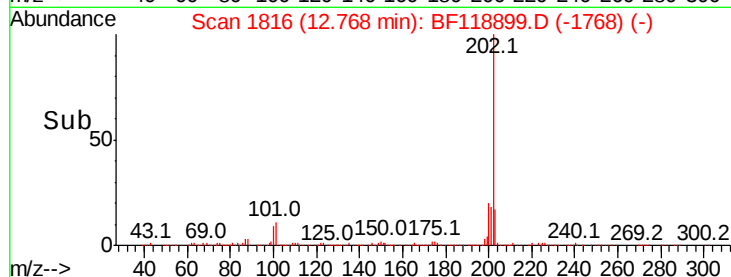
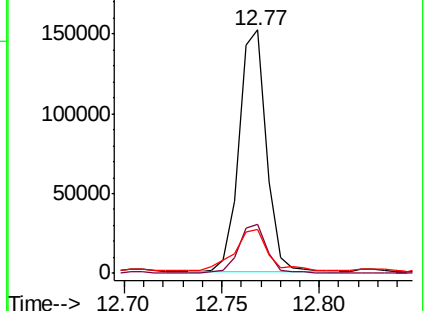
203 18.1 14.8 22.2



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: 38.738 ng

RT: 12.91 min Scan# 1840

Delta R.T. -0.02 min

Lab File: BF118899.D

Acq: 11 Feb 2020 22:29

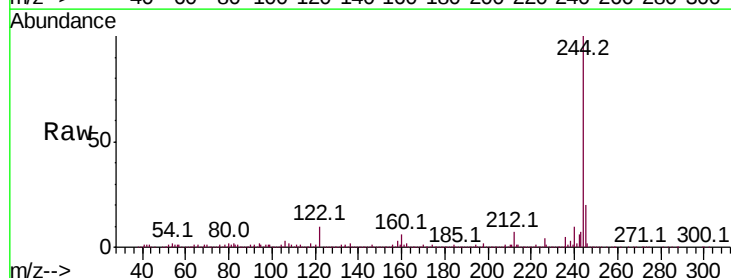
Tgt Ion:244 Resp: 1012520

Ion Ratio Lower Upper

244 100

212 6.7 6.5 9.7

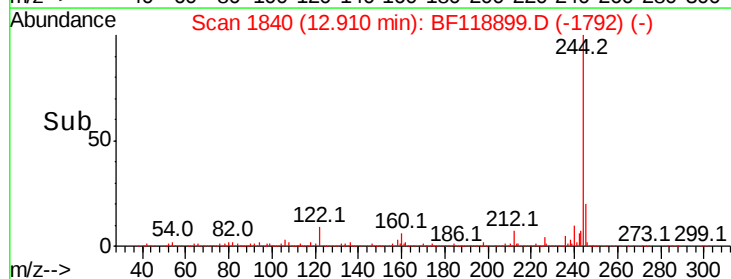
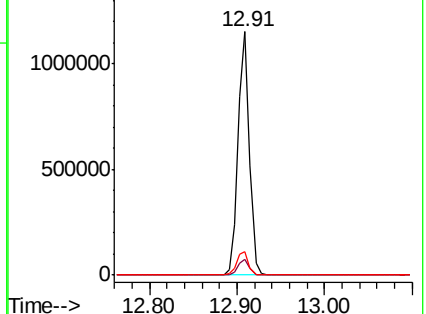
122 9.5 8.9 13.3

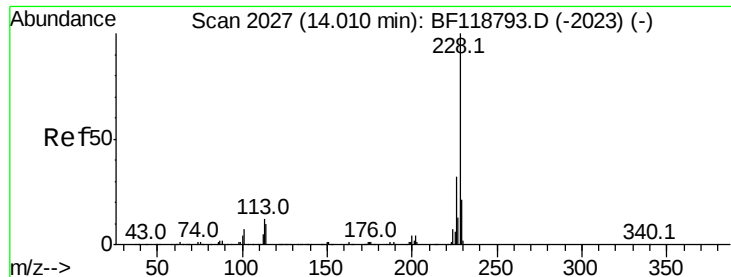


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#83

Chrysene

Concen: 2.157 ng

RT: 13.99 min Scan# 2024

Delta R.T. -0.02 min

Lab File: BF118899.D

Acq: 11 Feb 2020 22:29

Instrument :

BNA_F

ClientSampleId :

OK-03-021020

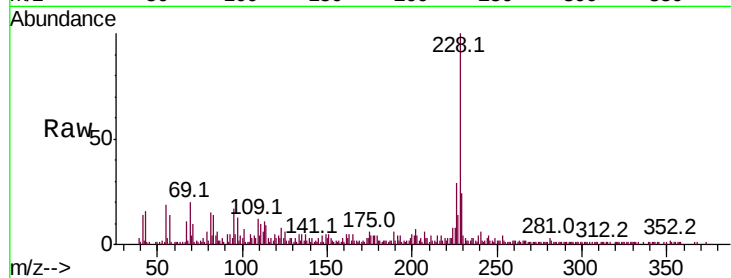
Tot Ion:228 Resp: 69173

Ion Ratio Lower Upper

228 100

226 28.6 25.4 38.0

229 23.6 16.9 25.3

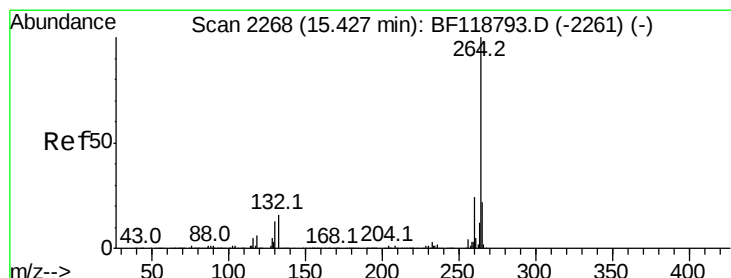
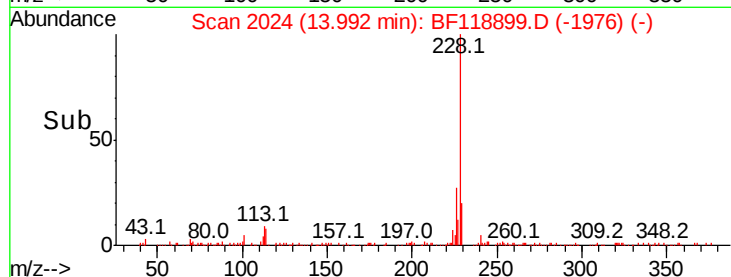
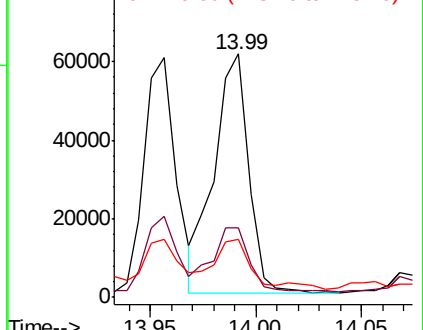


Abundance

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



#87

Perylene-d12

Concen: 20.000 ng

RT: 15.42 min Scan# 2266

Delta R.T. -0.01 min

Lab File: BF118899.D

Acq: 11 Feb 2020 22:29

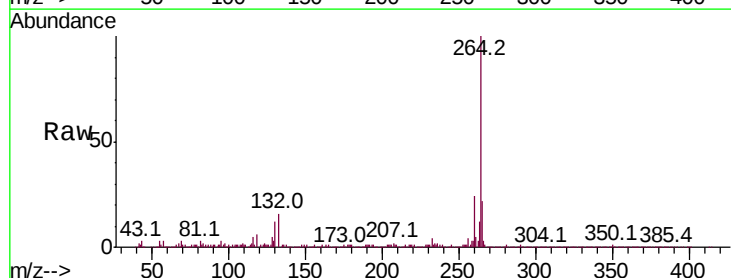
Tgt Ion:264 Resp: 611871

Ion Ratio Lower Upper

264 100

260 23.7 19.1 28.7

265 22.1 17.2 25.8

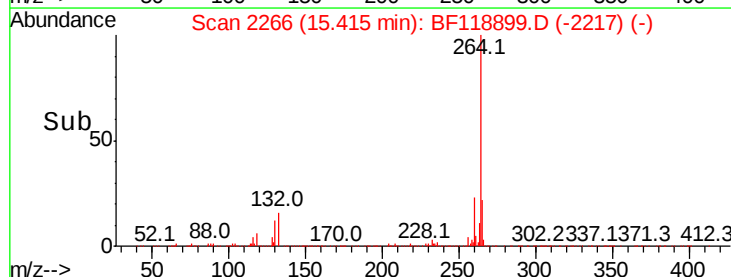
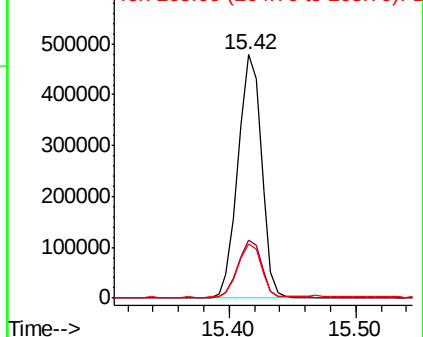


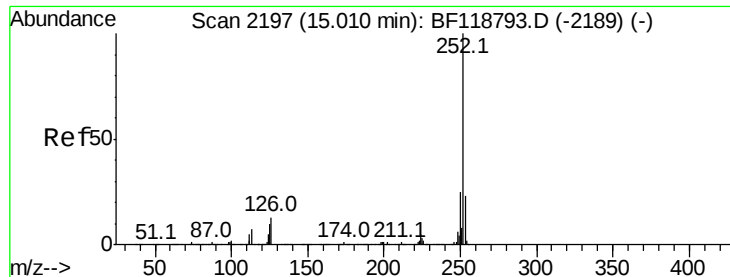
Abundance

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

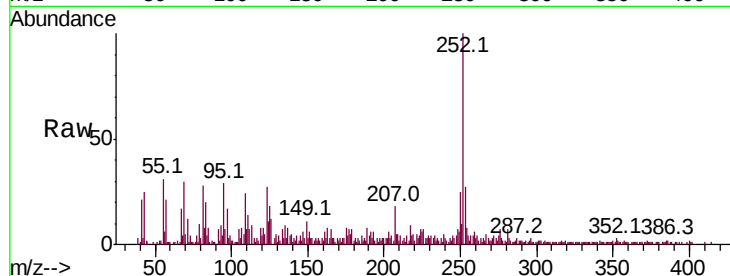




#88
Benzo(b)fluoranthene
Concen: 3.064 ng
RT: 15.00 min Scan# 2195
Delta R.T. -0.01 min
Lab File: BF118899.D
Acq: 11 Feb 2020 22:29

Instrument :
BNA_F
ClientSampleId :
OK-03-021020

Tot Ion	Ratio	Lower	Upper
252	100		
253	27.0	18.4	27.6
125	17.9	8.1	12.1

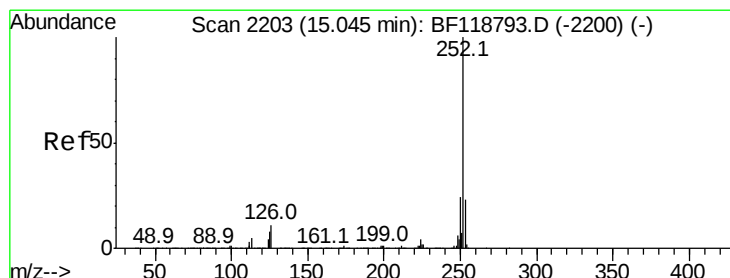
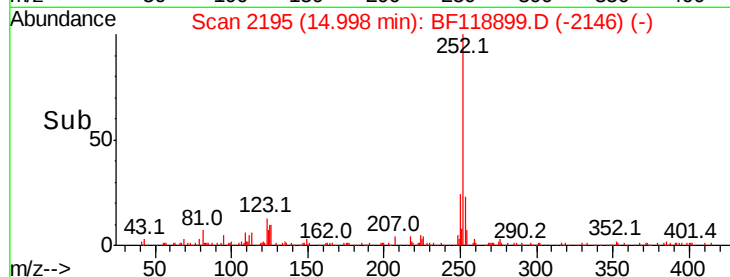
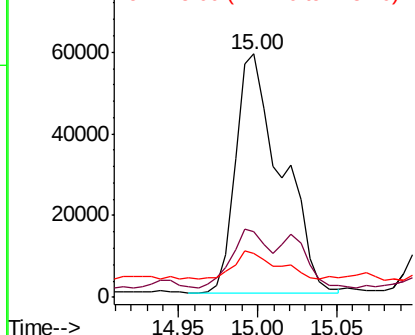


Abundance

Ion 252.00 (251.70 to 252.70): E

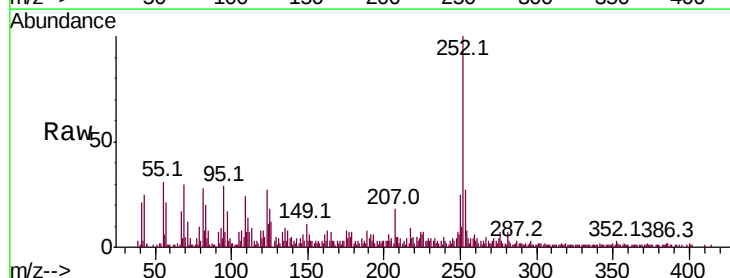
Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#89
Benzo(k)fluoranthene
Concen: 3.518 ng
RT: 15.00 min Scan# 2195
Delta R.T. -0.05 min
Lab File: BF118899.D
Acq: 11 Feb 2020 22:29

Tgt Ion	Ratio	Lower	Upper
252	100		
253	27.0	18.2	27.4
125	17.9	7.0	10.6

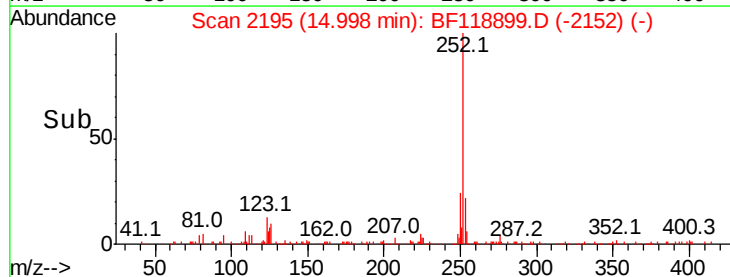
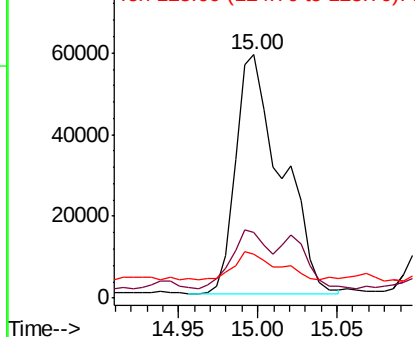


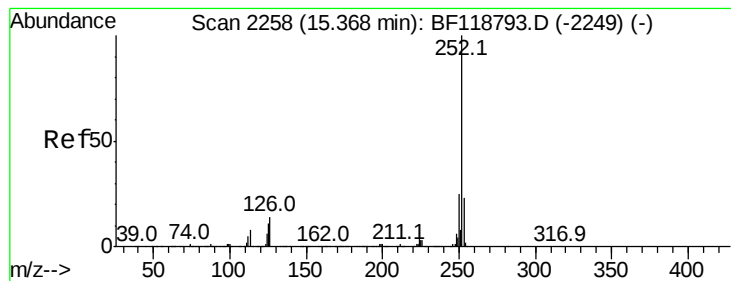
Abundance

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: 2.036 ng

RT: 15.35 min Scan# 2255

Delta R.T. -0.02 min

Lab File: BF118899.D

Acq: 11 Feb 2020 22:29

Instrument :

BNA_F

ClientSampleId :

OK-03-021020

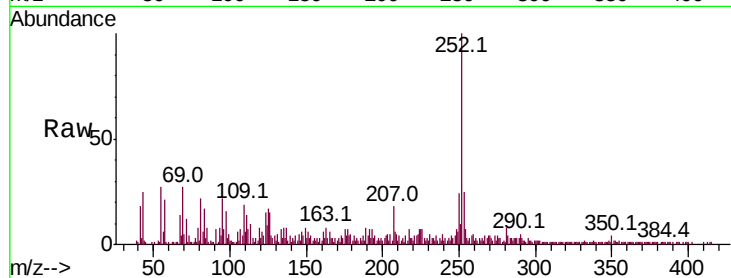
Tot Ion:252 Resp: 66167

Ion Ratio Lower Upper

252 100

253 24.7 18.1 27.1

125 17.0 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

