

Data Path : Z:\svoasrv\HPCHEM1\BNA F\Data\BF042420\
 Data File : BF120201.D
 Acq On : 24 Apr 2020 14:45
 Operator : MA/SJ
 Sample : L2377-01 10X
 Misc :
 ALS Vial : 37 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 MILL-1

Quant Time: Apr 24 16:07:49 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF040820.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Apr 24 10:24:30 2020
 Response via : Initial Calibration

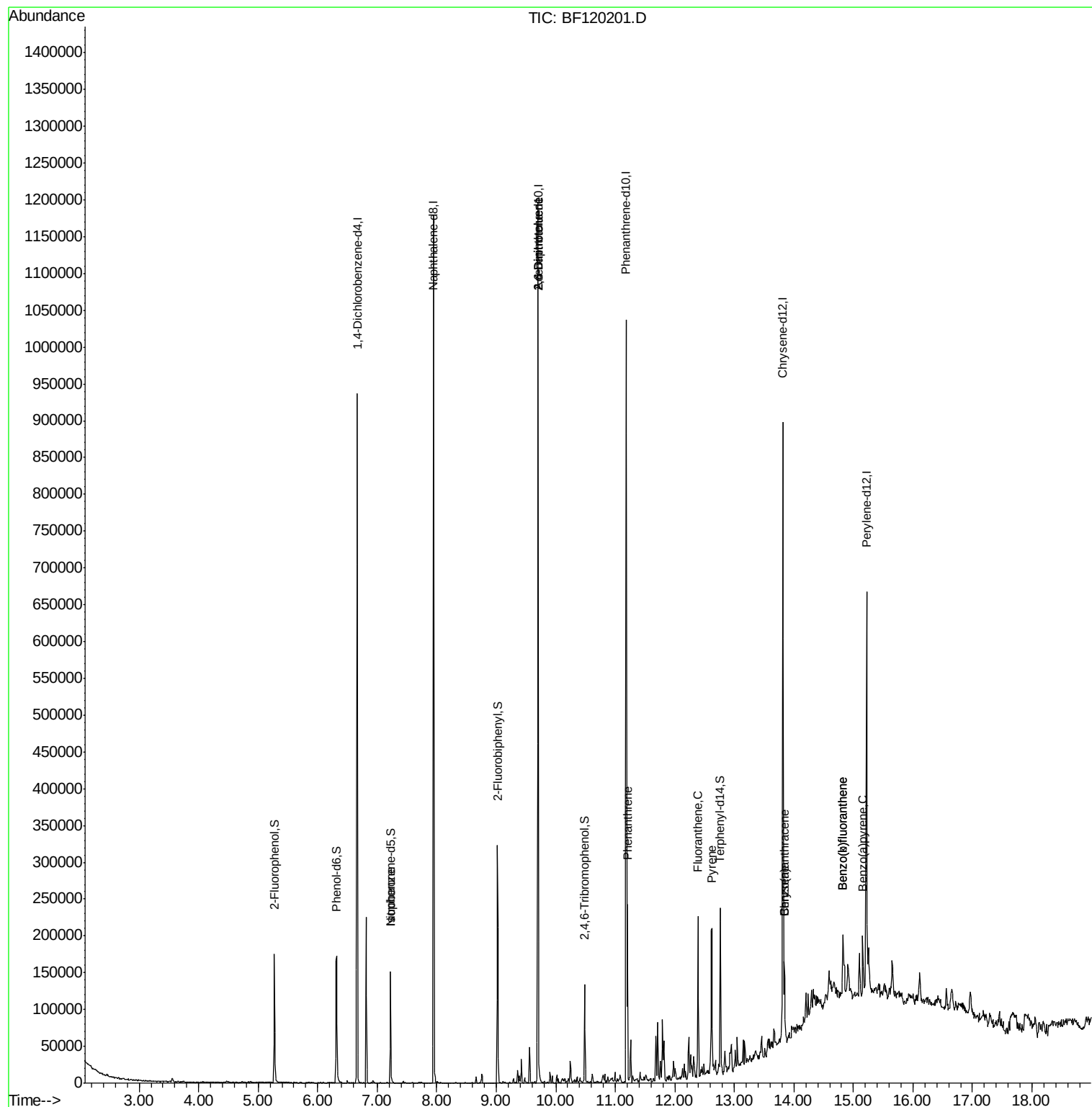
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.66	152	130340	20.00	ng	0.00
21) Naphthalene-d8	7.95	136	495684	20.00	ng	0.00
39) Acenaphthene-d10	9.70	164	232444	20.00	ng	0.00
64) Phenanthrene-d10	11.18	188	378913	20.00	ng	0.00
76) Chrysene-d12	13.82	240	248504	20.00	ng	-0.01
87) Perylene-d12	15.22	264	231346	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.27	112	49699	6.59	ng	0.00
7) Phenol-d6	6.32	99	65725	6.76	ng	0.00
23) Nitrobenzene-d5	7.22	82	42680	4.45	ng	-0.02
42) 2,4,6-Tribromophenol	10.49	330	13674	4.80	ng	-0.01
45) 2-Fluorobiphenyl	9.02	172	89751	5.48	ng	-0.01
79) Terphenyl-d14	12.76	244	73244	4.96	ng	-0.01
Target Compounds						
25) Isophorone	7.22	82	42680	2.311	ng	# 65
51) 2,6-Dinitrotoluene	9.70	165	30370	7.714	ng	# 26
57) 2,4-Dinitrotoluene	9.70	165	30370	5.855	ng	# 20
71) Phenanthrene	11.20	178	80412	3.987	ng	96
75) Fluoranthene	12.39	202	78537	3.609	ng	96
78) Pyrene	12.62	202	87320	4.168	ng	98
81) Benzo(a)anthracene	13.84	228	39696	2.428	ng	97
83) Chrysene	13.84	228	39696	2.390	ng	94
88) Benzo(b)fluoranthene	14.82	252	55533	3.337	ng	# 91
89) Benzo(k)fluoranthene	14.82	252	55533	3.867	ng	# 92
90) Benzo(a)pyrene	15.16	252	33869	2.420	ng	98

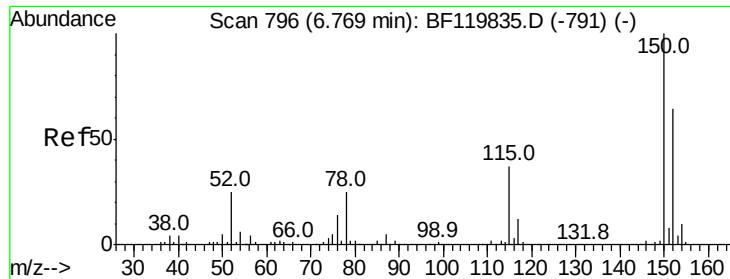
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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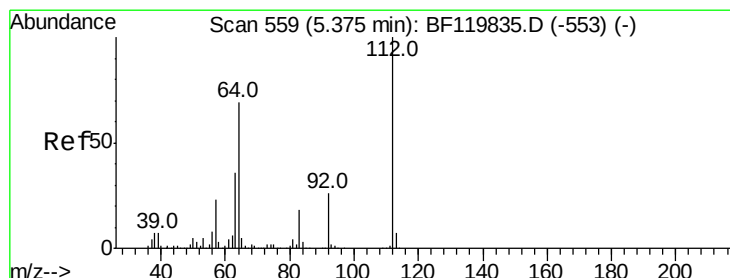
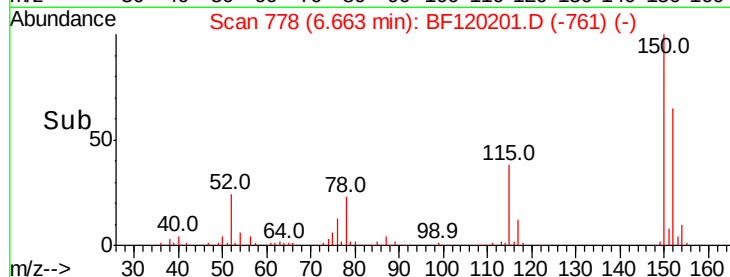
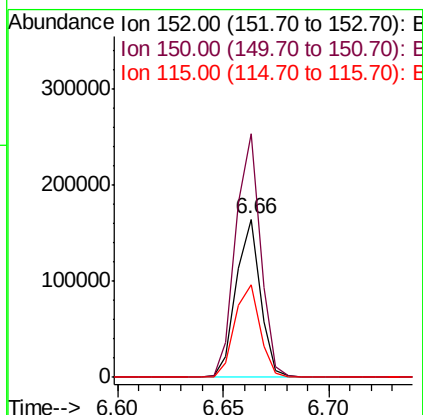
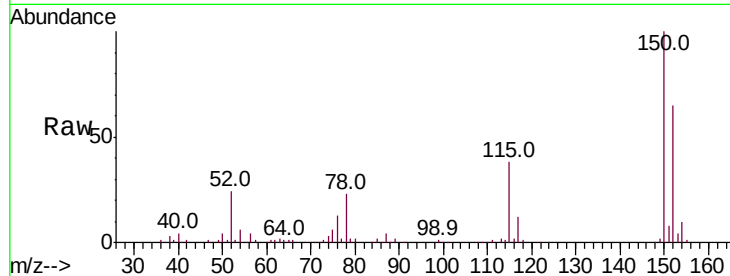


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.66 min Scan# 778
Delta R.T. 0.00 min
Lab File: BF120201.D
Acq: 24 Apr 2020 14:45

Instrument :
BNA_F
ClientSampleId :
MILL-1

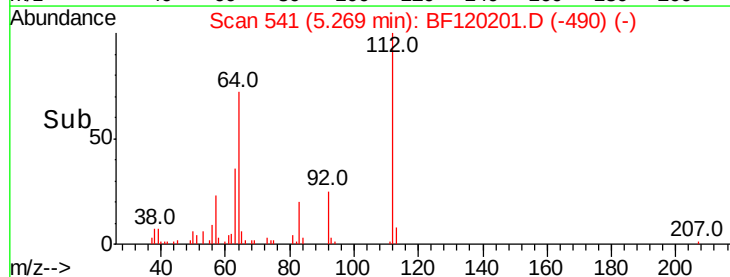
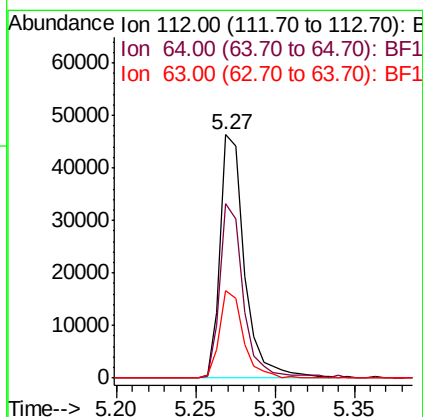
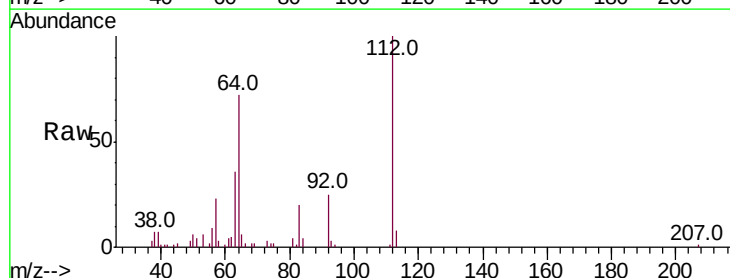
Tot Ion:152 Resp: 130340
Ion Ratio Lower Upper
152 100
150 154.1 124.5 186.7
115 58.4 49.6 74.4

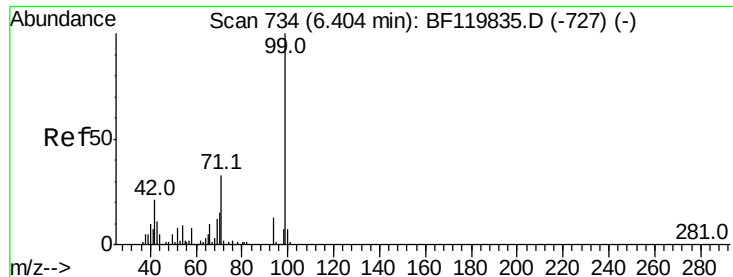


#5

2-Fluorophenol
Concen: 6.590 ng
RT: 5.27 min Scan# 541
Delta R.T. 0.00 min
Lab File: BF120201.D
Acq: 24 Apr 2020 14:45

Tgt Ion:112 Resp: 49699
Ion Ratio Lower Upper
112 100
64 71.7 56.7 85.1
63 36.0 29.5 44.3





#7

Phenol-d6

Concen: 6.763 ng

RT: 6.32 min Scan# 719

Delta R.T. 0.00 min

Lab File: BF120201.D

Acq: 24 Apr 2020 14:45

Instrument :

BNA_F

ClientSampleId :

MILL-1

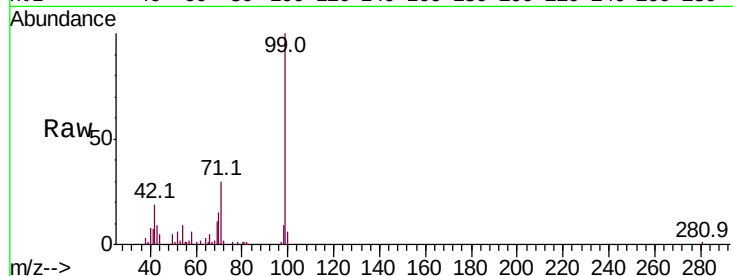
Tot Ion: 99 Resp: 65725

Ion Ratio Lower Upper

99 100

42 19.1 16.6 24.8

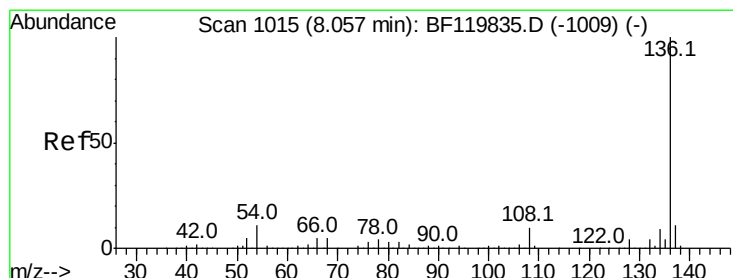
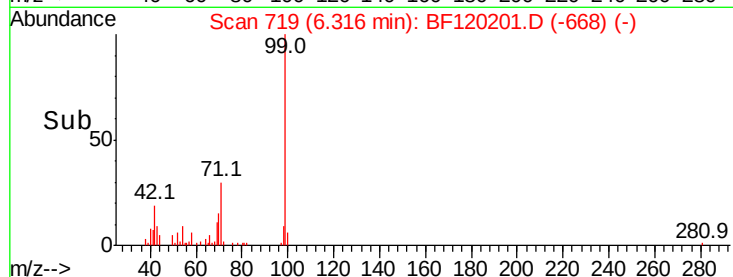
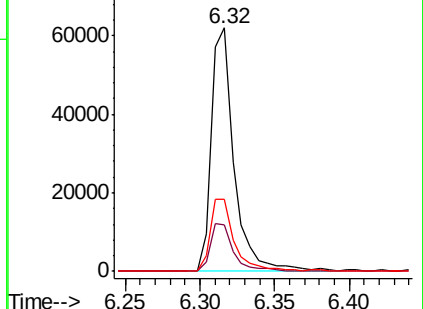
71 29.7 26.4 39.6



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



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 7.95 min Scan# 996

Delta R.T. -0.01 min

Lab File: BF120201.D

Acq: 24 Apr 2020 14:45

Tgt Ion: 136 Resp: 495684

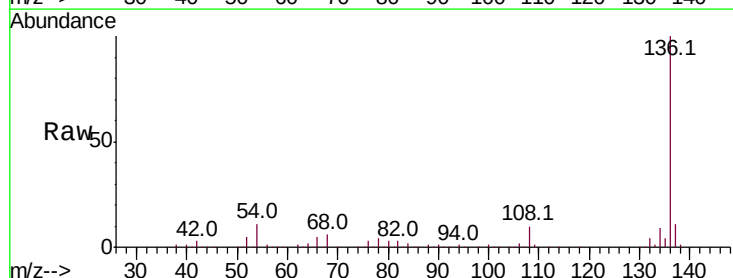
Ion Ratio Lower Upper

136 100

137 11.2 8.7 13.1

54 11.1 9.1 13.7

68 6.1 4.6 6.8

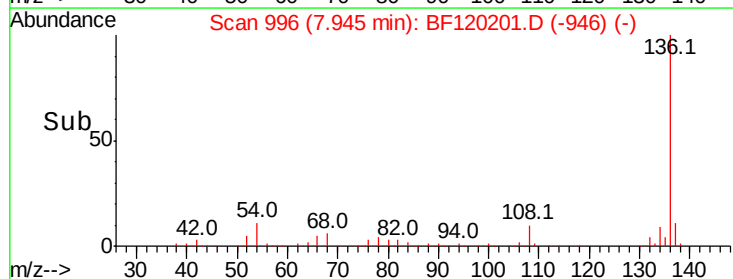
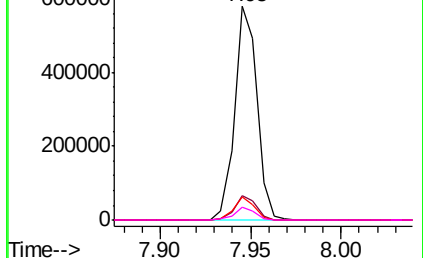


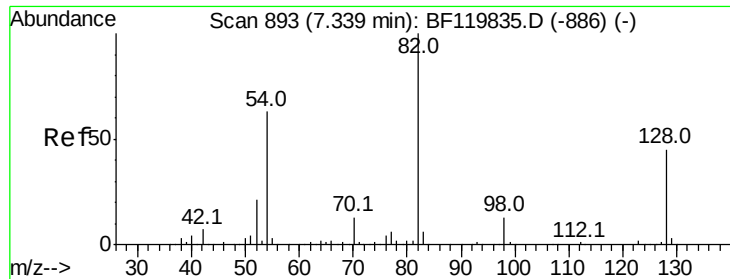
Abundance Ion 136.00 (135.70 to 136.70): E

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

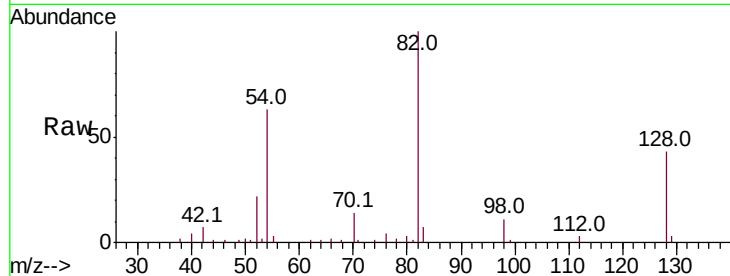




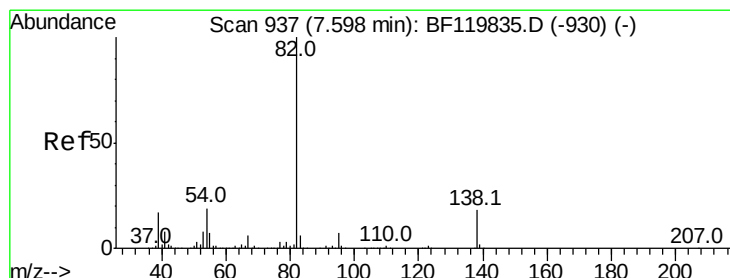
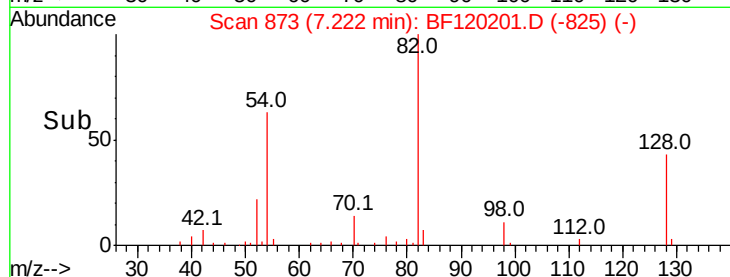
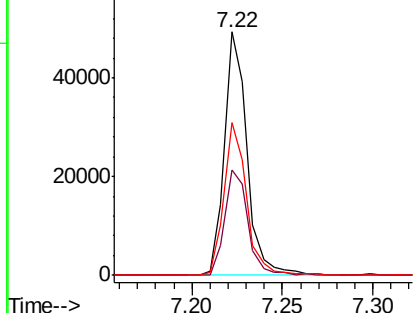
#23
Nitrobenzene-d5
Concen: 4.454 ng
RT: 7.22 min Scan# 873
Delta R.T. -0.02 min
Lab File: BF120201.D
Acq: 24 Apr 2020 14:45

Instrument :
BNA_F
ClientSampleId :
MILL-1

Tot Ion: 82 Resp: 42680
Ion Ratio Lower Upper
82 100
128 43.4 36.3 54.5
54 62.7 50.6 75.8

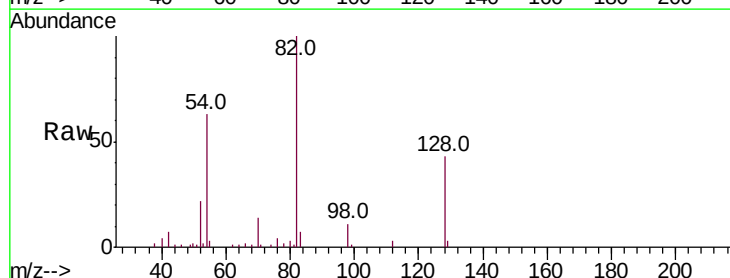


Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): BF1
Ion 54.00 (53.70 to 54.70): BF1

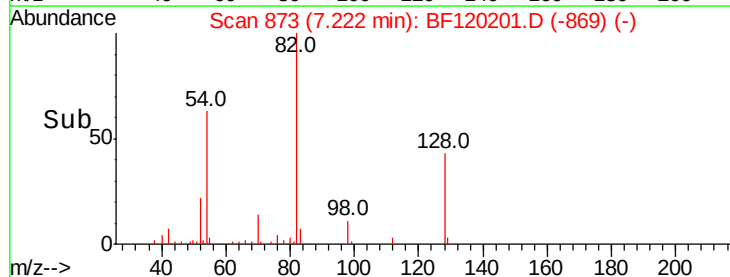
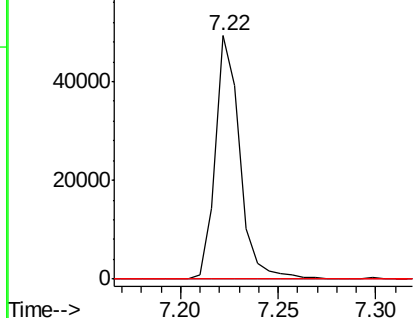


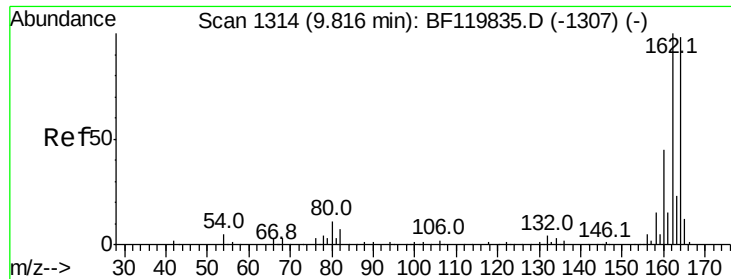
#25
Isophorone
Concen: 2.311 ng
RT: 7.22 min Scan# 873
Delta R.T. -0.28 min
Lab File: BF120201.D
Acq: 24 Apr 2020 14:45

Tgt Ion: 82 Resp: 42680
Ion Ratio Lower Upper
82 100
95 0.0 5.8 8.6#
138 0.0 14.6 21.8#



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

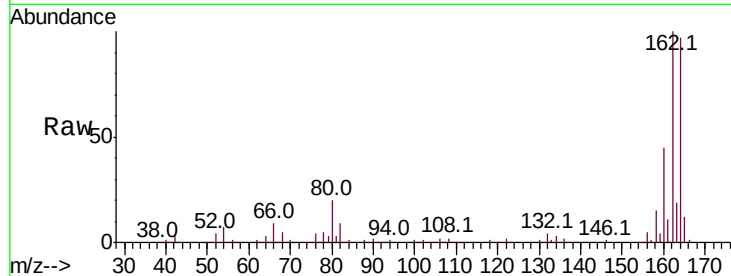




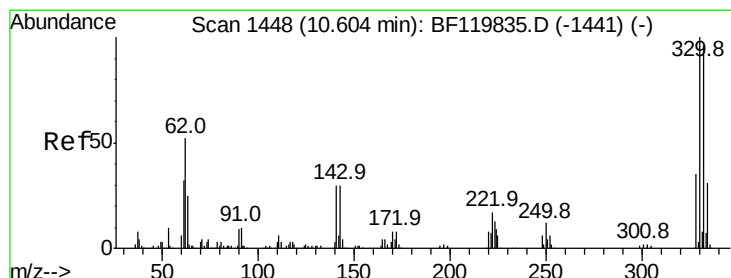
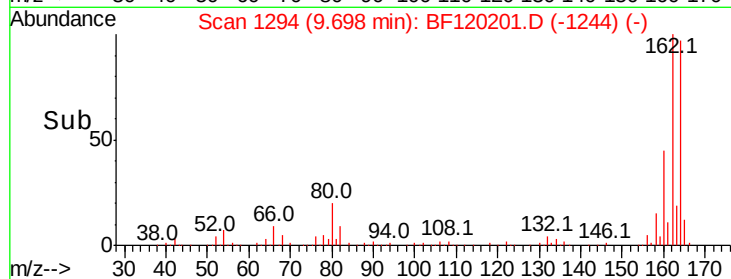
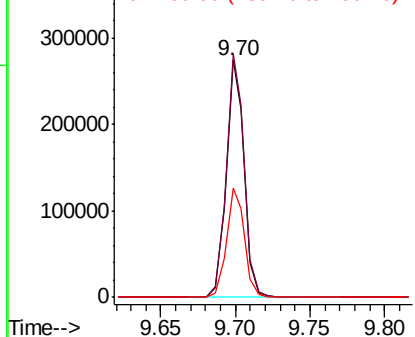
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.70 min Scan# 1294
Delta R.T. -0.01 min
Lab File: BF120201.D
Acq: 24 Apr 2020 14:45

Instrument :
BNA_F
ClientSampleId :
MILL-1

Tot Ion:164 Resp: 232444
Ion Ratio Lower Upper
164 100
162 102.8 80.6 121.0
160 46.3 35.7 53.5

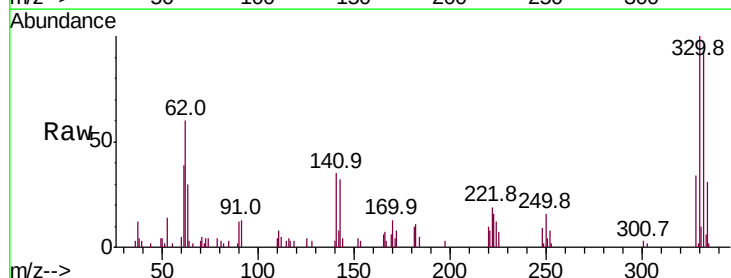


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

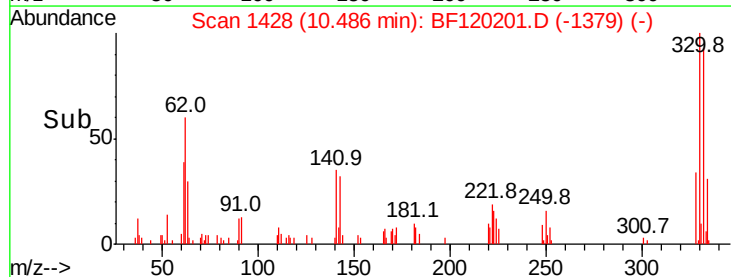
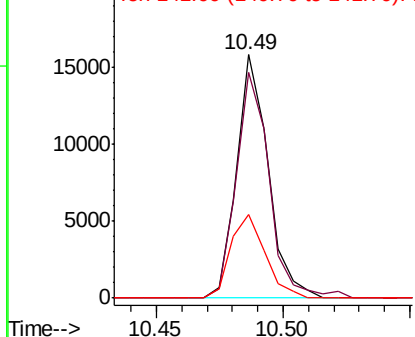


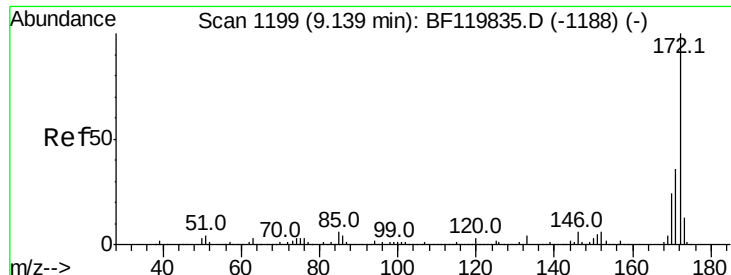
#42
2,4,6-Tribromophenol
Concen: 4.805 ng
RT: 10.49 min Scan# 1428
Delta R.T. -0.01 min
Lab File: BF120201.D
Acq: 24 Apr 2020 14:45

Tgt Ion:330 Resp: 13674
Ion Ratio Lower Upper
330 100
332 96.9 75.7 113.5
141 37.7 25.4 38.0



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

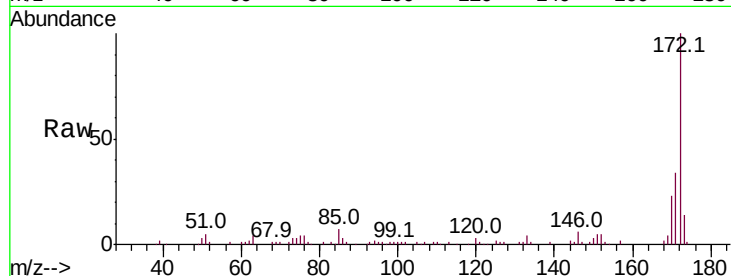




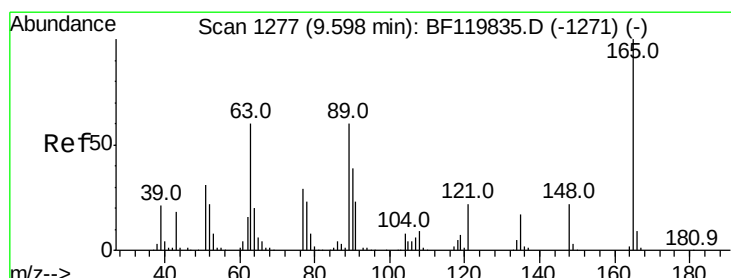
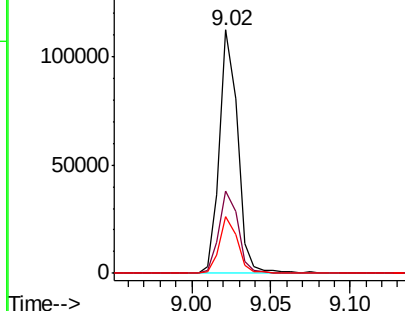
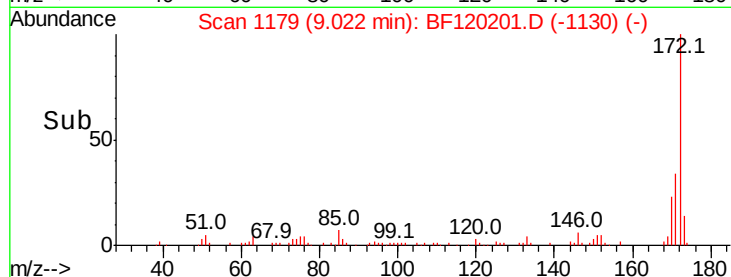
#45
2-Fluorobiphenyl
Concen: 5.482 ng
RT: 9.02 min Scan# 1179
Delta R.T. -0.01 min
Lab File: BF120201.D
Acq: 24 Apr 2020 14:45

Instrument :
BNA_F
ClientSampleId :
MILL-1

Tot Ion:172 Resp: 89751
Ion Ratio Lower Upper
172 100
171 34.1 29.6 44.4
170 23.3 20.2 30.2

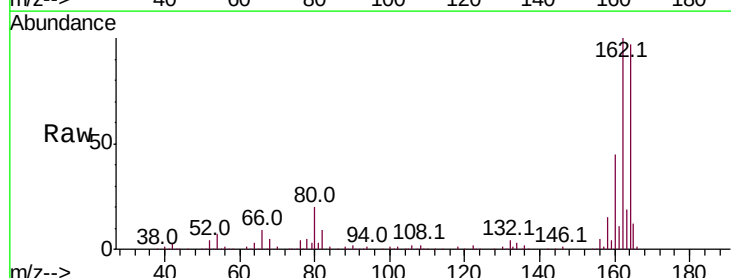


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

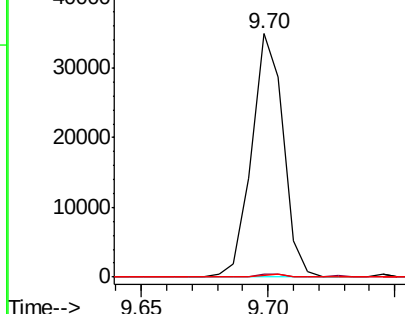
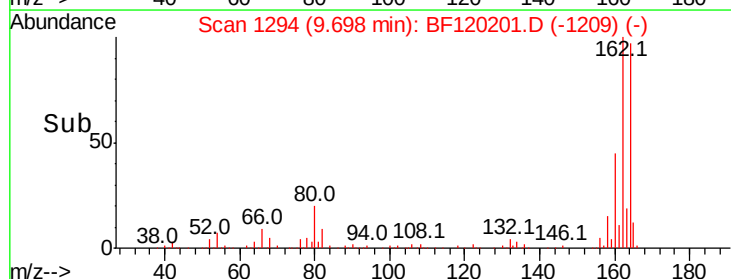


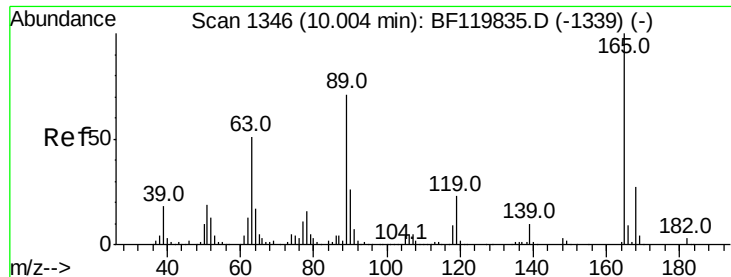
#51
2,6-Dinitrotoluene
Concen: 7.714 ng
RT: 9.70 min Scan# 1294
Delta R.T. 0.20 min
Lab File: BF120201.D
Acq: 24 Apr 2020 14:45

Tgt Ion:165 Resp: 30370
Ion Ratio Lower Upper
165 100
63 1.1 45.0 67.4#
89 0.9 41.5 62.3#



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

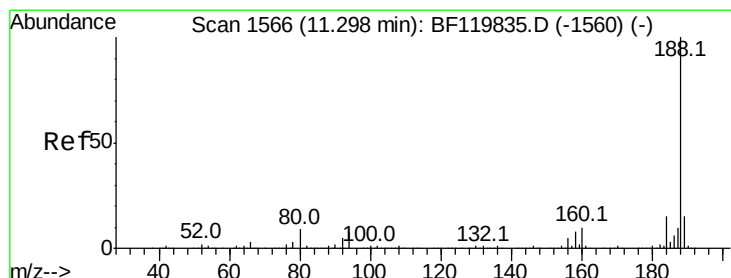
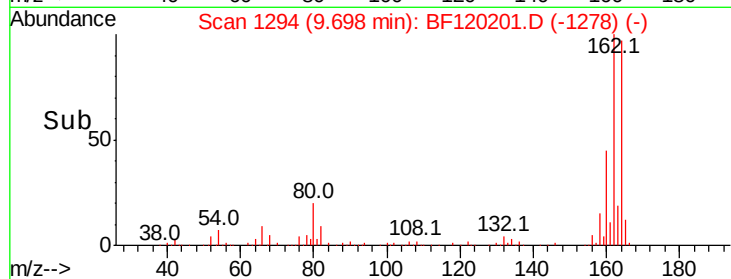
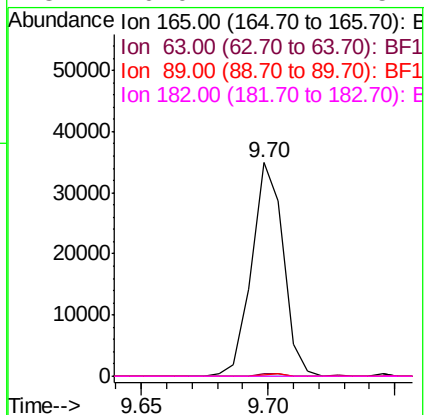
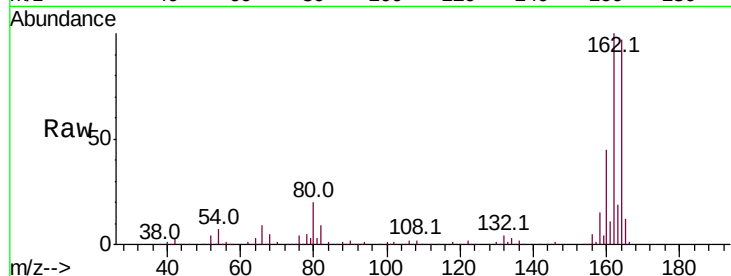




#57
 2,4-Dinitrotoluene
 Concen: 5.855 ng
 RT: 9.70 min Scan# 1294
 Delta R.T. -0.21 min
 Lab File: BF120201.D
 Acq: 24 Apr 2020 14:45

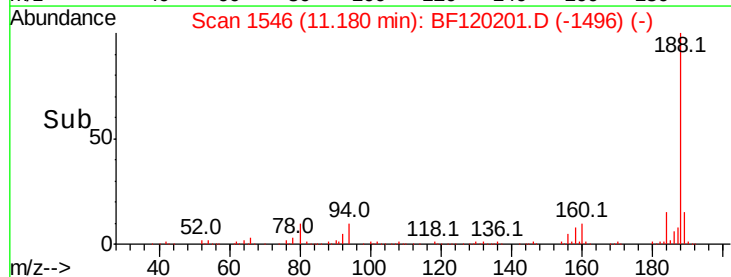
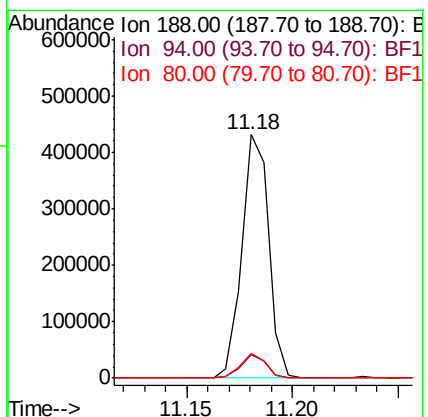
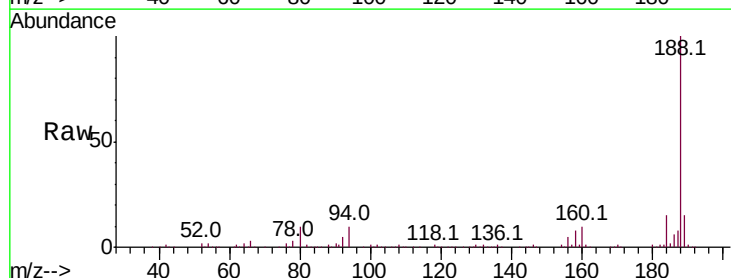
Instrument :
 BNA_F
 ClientSampled :
 MILL-1

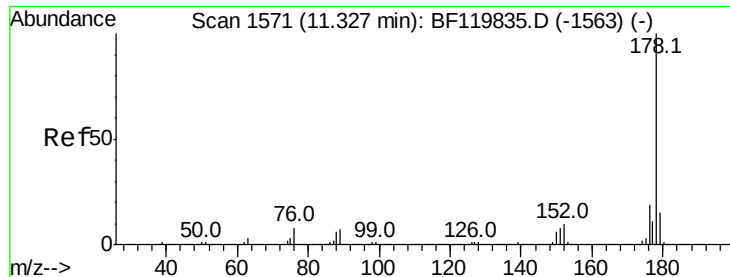
Tot Ion:165 Resp: 30370
 Ion Ratio Lower Upper
 165 100
 63 1.1 42.6 64.0#
 89 0.9 61.0 91.4#
 182 0.0 2.2 3.2#



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.18 min Scan# 1546
 Delta R.T. -0.01 min
 Lab File: BF120201.D
 Acq: 24 Apr 2020 14:45

Tgt Ion:188 Resp: 378913
 Ion Ratio Lower Upper
 188 100
 94 9.6 7.5 11.3
 80 10.4 9.0 13.4

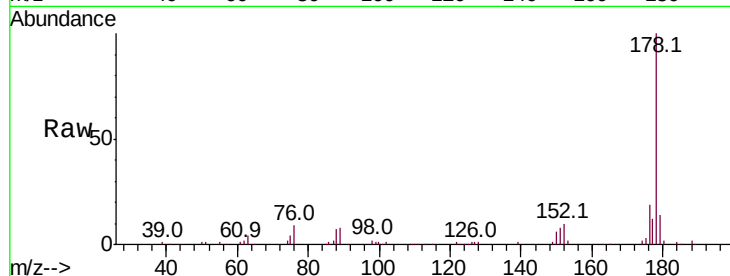




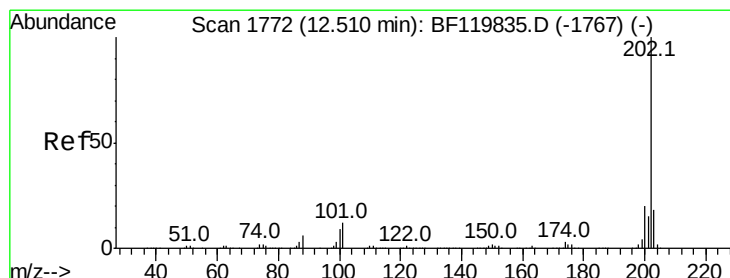
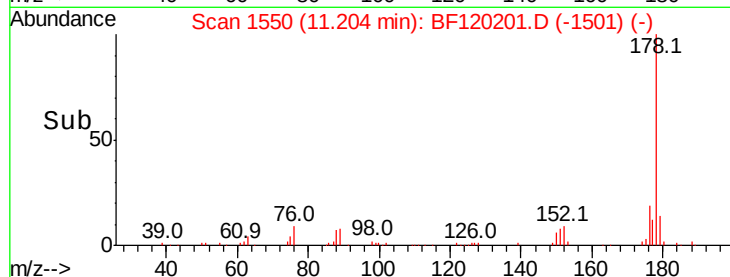
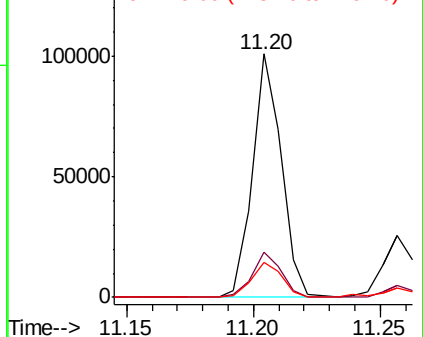
#71
Phenanthrene
Concen: 3.987 ng
RT: 11.20 min Scan# 1550
Delta R.T. -0.01 min
Lab File: BF120201.D
Acq: 24 Apr 2020 14:45

Instrument :
BNA_F
ClientSampleId :
MILL-1

Tot Ion:178 Resp: 80412
Ion Ratio Lower Upper
178 100
176 18.7 16.2 24.4
179 14.4 13.2 19.8

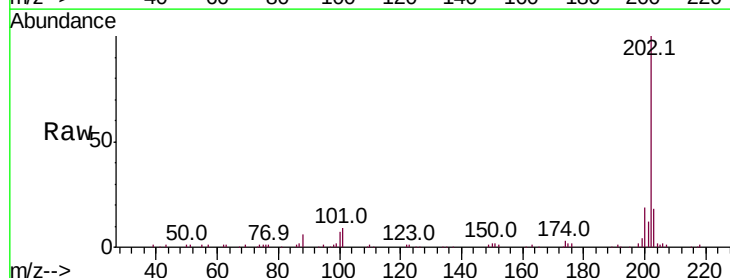


Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

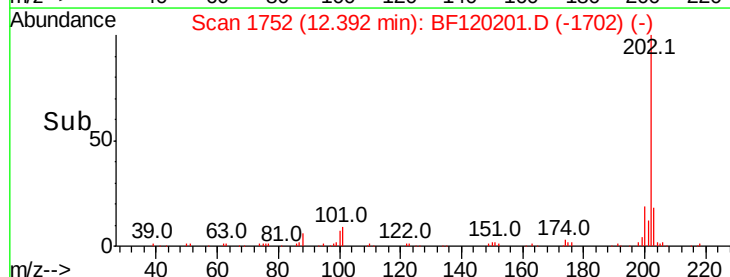
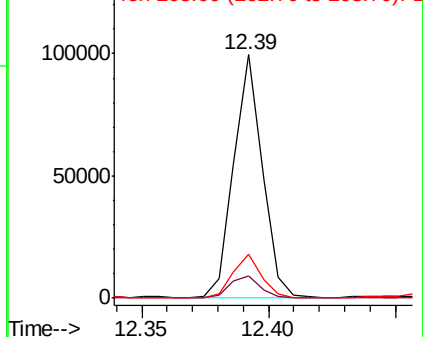


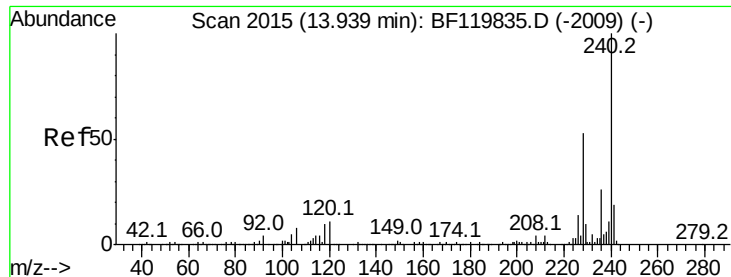
#75
Fluoranthene
Concen: 3.609 ng
RT: 12.39 min Scan# 1752
Delta R.T. -0.01 min
Lab File: BF120201.D
Acq: 24 Apr 2020 14:45

Tgt Ion:202 Resp: 78537
Ion Ratio Lower Upper
202 100
101 9.1 0.0 32.2
203 18.0 0.0 38.8



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: 13.82 min Scan# 1994

Delta R.T. -0.01 min

Lab File: BF120201.D

Acq: 24 Apr 2020 14:45

Instrument :

BNA_F

ClientSampleId :

MILL-1

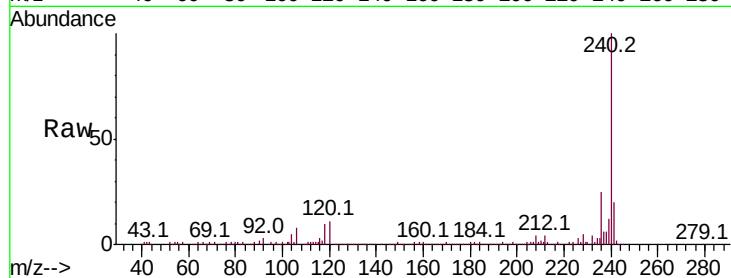
Tot Ion:240 Resp: 248504

Ion Ratio Lower Upper

240 100

120 11.1 10.6 15.8

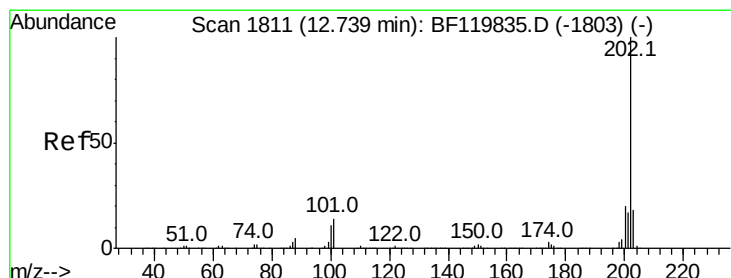
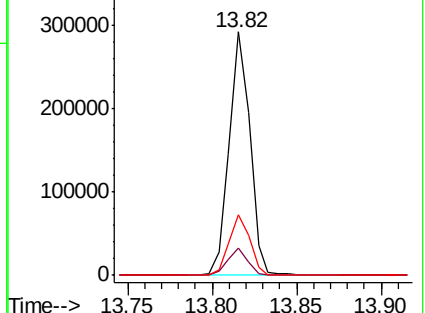
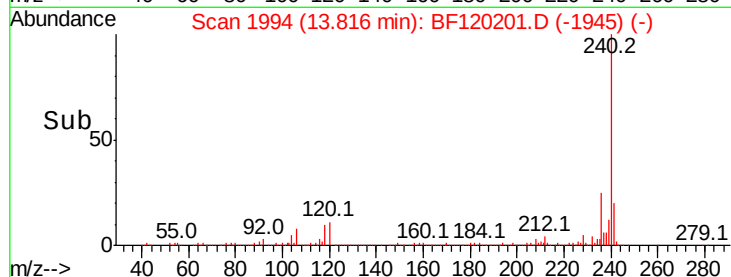
236 24.7 20.2 30.2



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

Pyrene

Concen: 4.168 ng

RT: 12.62 min Scan# 1791

Delta R.T. -0.01 min

Lab File: BF120201.D

Acq: 24 Apr 2020 14:45

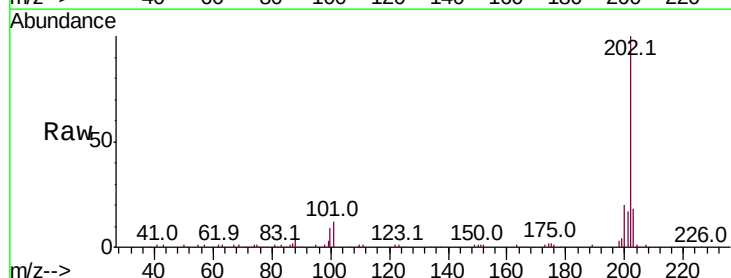
Tgt Ion:202 Resp: 87320

Ion Ratio Lower Upper

202 100

200 20.1 16.8 25.2

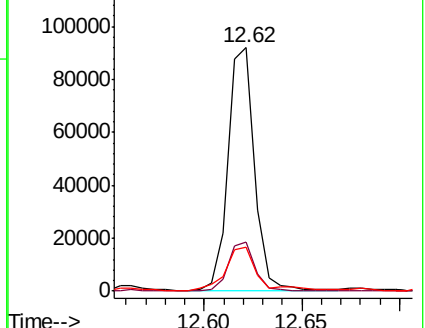
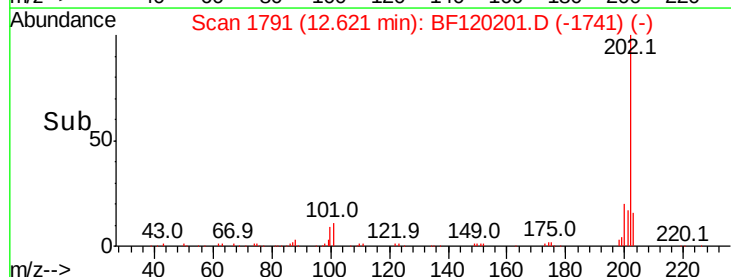
203 17.8 15.1 22.7

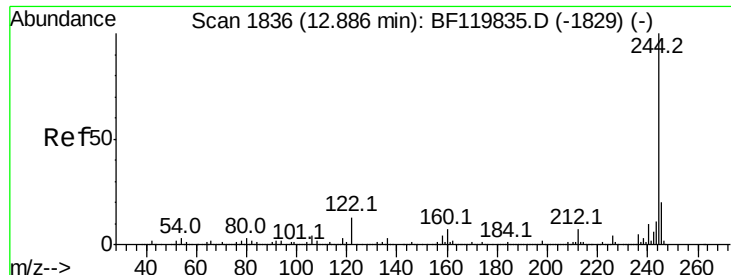


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#79

Terphenyl-d14

Concen: 4.959 ng

RT: 12.76 min Scan# 1815

Delta R.T. -0.01 min

Lab File: BF120201.D

Acq: 24 Apr 2020 14:45

Instrument :

BNA_F

ClientSampleId :

MILL-1

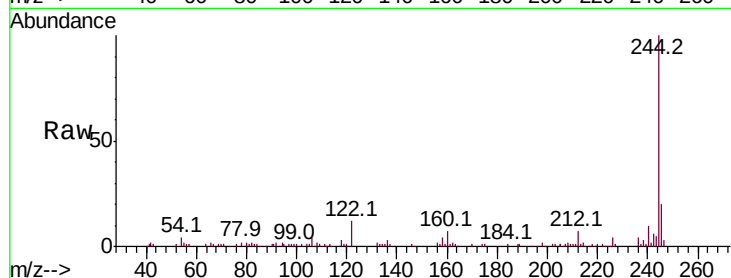
Tot Ion:244 Resp: 73244

Ion Ratio Lower Upper

244 100

212 6.8 5.8 8.8

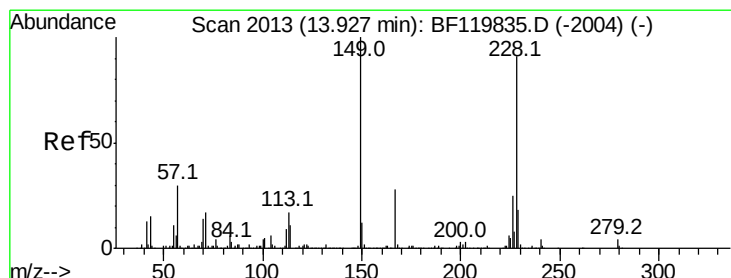
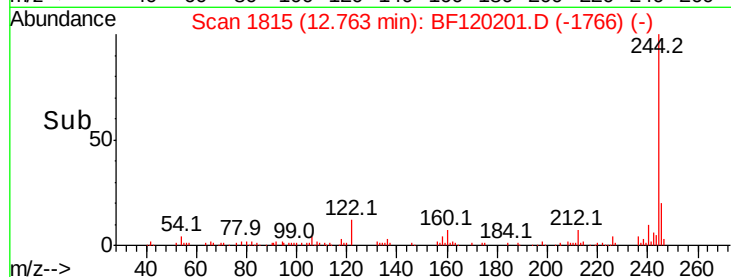
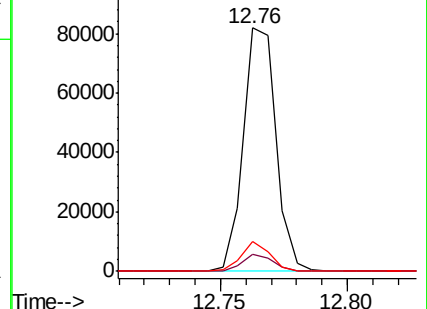
122 12.1 10.3 15.5



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: 2.428 ng

RT: 13.84 min Scan# 1998

Delta R.T. 0.02 min

Lab File: BF120201.D

Acq: 24 Apr 2020 14:45

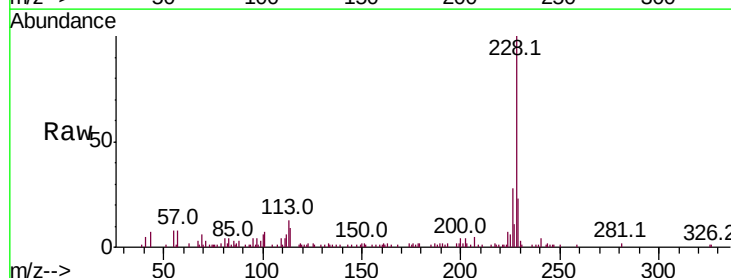
Tgt Ion:228 Resp: 39696

Ion Ratio Lower Upper

228 100

226 27.7 21.8 32.8

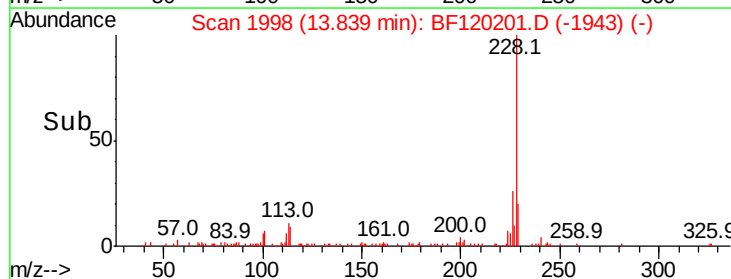
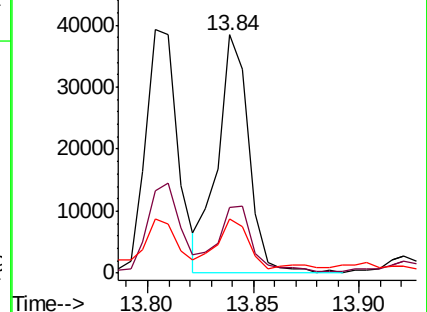
229 22.8 16.2 24.4

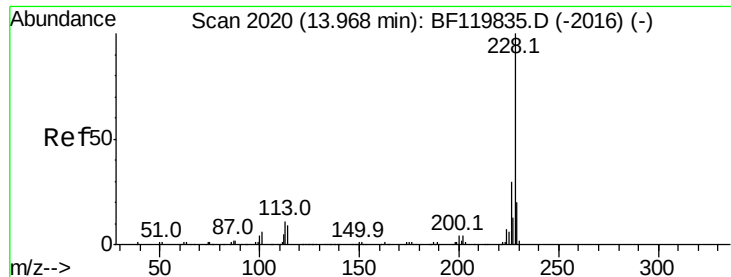


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

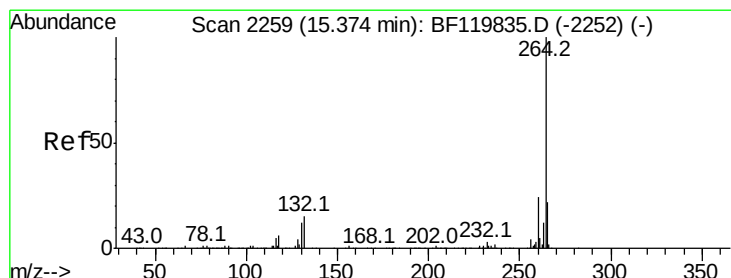
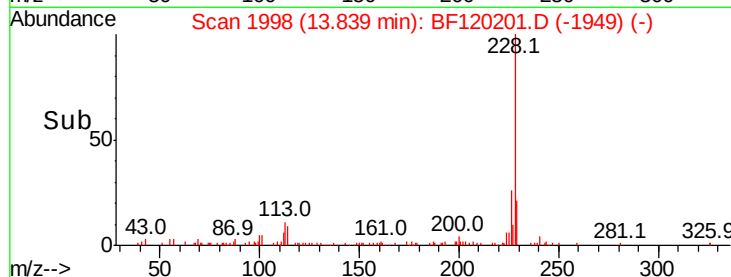
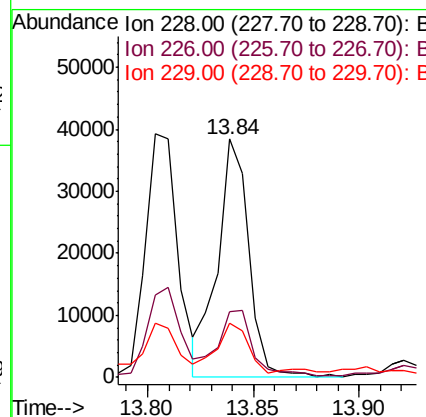
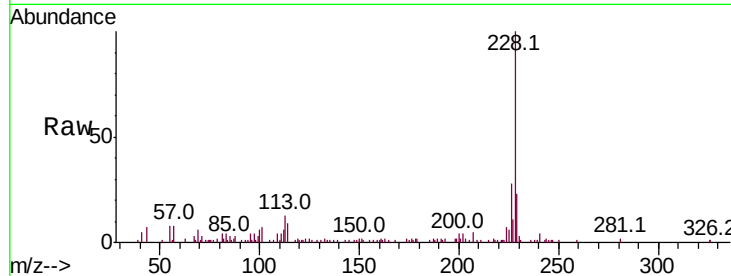




#83
Chrysene
Concen: 2.390 ng
RT: 13.84 min Scan# 1998
Delta R.T. -0.01 min
Lab File: BF120201.D
Acq: 24 Apr 2020 14:45

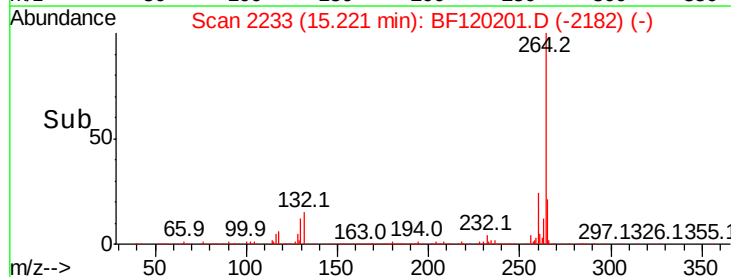
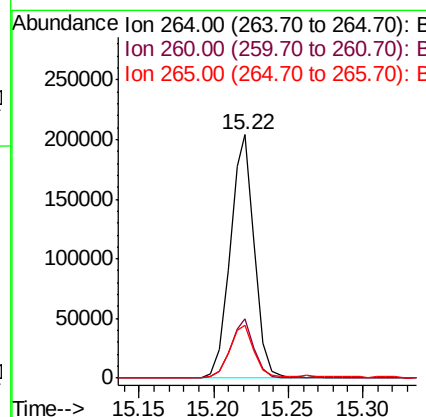
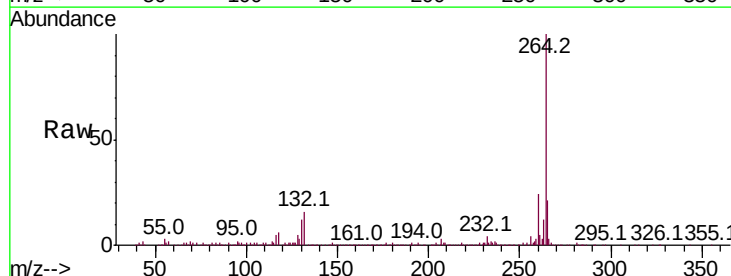
Instrument :
BNA_F
ClientSampled :
MILL-1

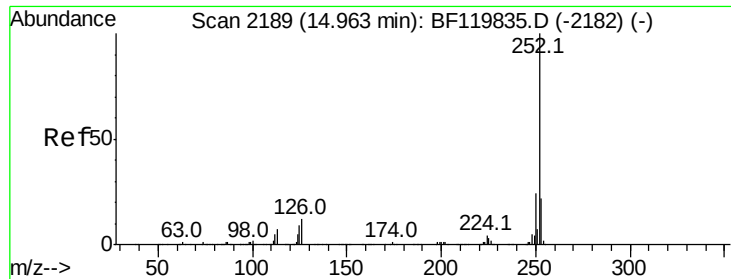
Tot Ion:228 Resp: 39696
Ion Ratio Lower Upper
228 100
226 27.7 25.4 38.0
229 22.8 16.6 24.8



#87
Perylene-d12
Concen: 20.000 ng
RT: 15.22 min Scan# 2233
Delta R.T. 0.00 min
Lab File: BF120201.D
Acq: 24 Apr 2020 14:45

Tgt Ion:264 Resp: 231346
Ion Ratio Lower Upper
264 100
260 24.2 18.7 28.1
265 21.5 17.7 26.5

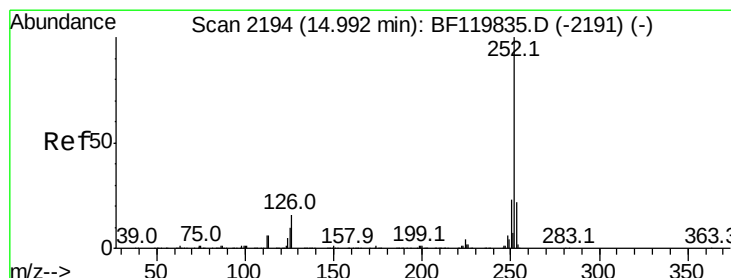
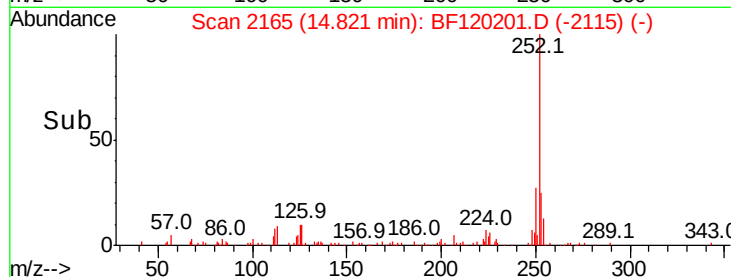
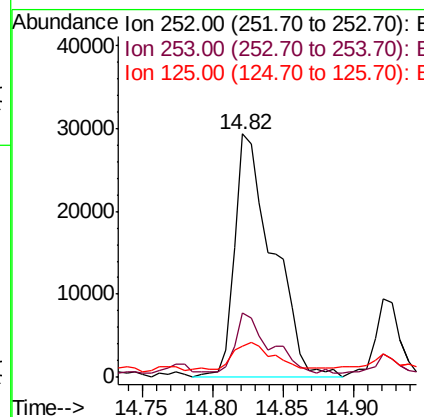
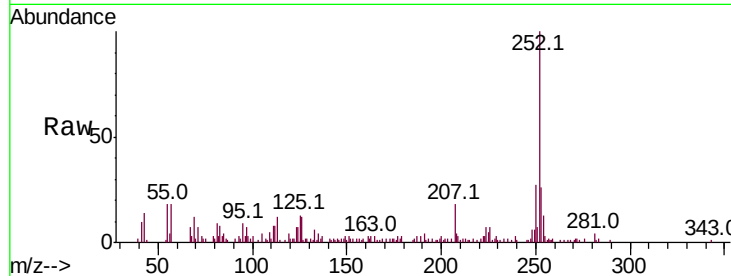




#88
Benzo(b)fluoranthene
Concen: 3.337 ng
RT: 14.82 min Scan# 2165
Delta R.T. -0.01 min
Lab File: BF120201.D
Acq: 24 Apr 2020 14:45

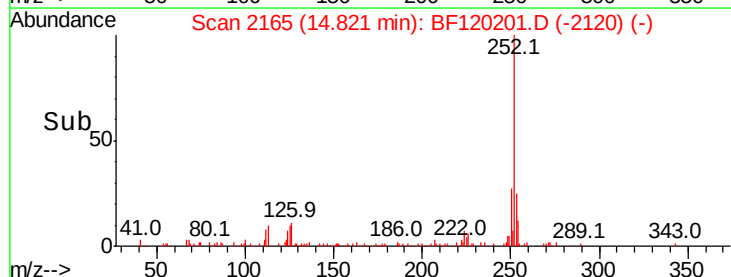
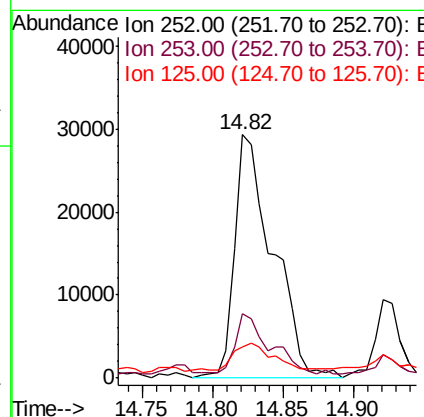
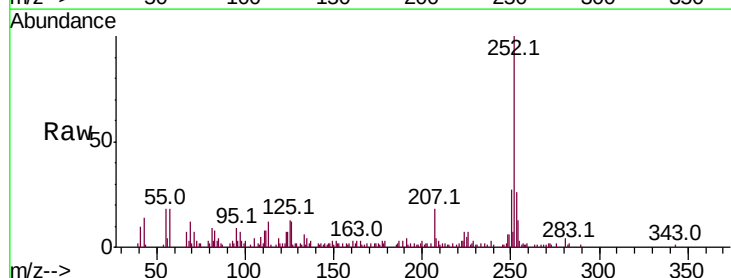
Instrument :
BNA_F
ClientSampleId :
MILL-1

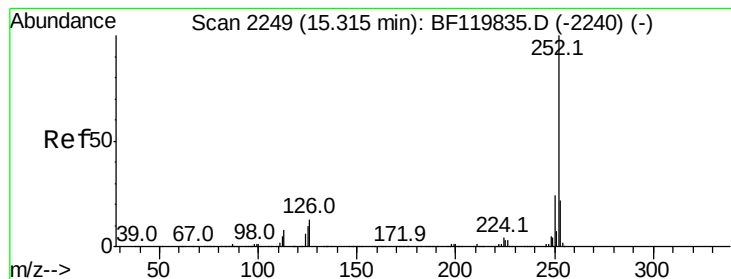
Tot Ion	Ratio	Lower	Upper
252	100		
253	26.3	17.4	26.0#
125	12.9	7.9	11.9#



#89
Benzo(k)fluoranthene
Concen: 3.867 ng
RT: 14.82 min Scan# 2165
Delta R.T. -0.04 min
Lab File: BF120201.D
Acq: 24 Apr 2020 14:45

Tgt Ion	Ratio	Lower	Upper
252	100		
253	26.3	17.8	26.6
125	12.9	8.4	12.6#





#90
 Benzo(a)pyrene
 Concen: 2.420 ng
 RT: 15.16 min Scan# 2223
 Delta R.T. -0.01 min
 Lab File: BF120201.D
 Acq: 24 Apr 2020 14:45

Instrument :
 BNA_F
 ClientSampleId :
 MILL-1

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.6	18.2	27.2
125	12.9	9.4	14.2

