

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF041720\
 Data File : BF120059.D
 Acq On : 17 Apr 2020 15:14
 Operator : MA/SJ
 Sample : L2243-05
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Apr 18 01:22:48 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 17 10:51:37 2020
 Response via : Initial Calibration

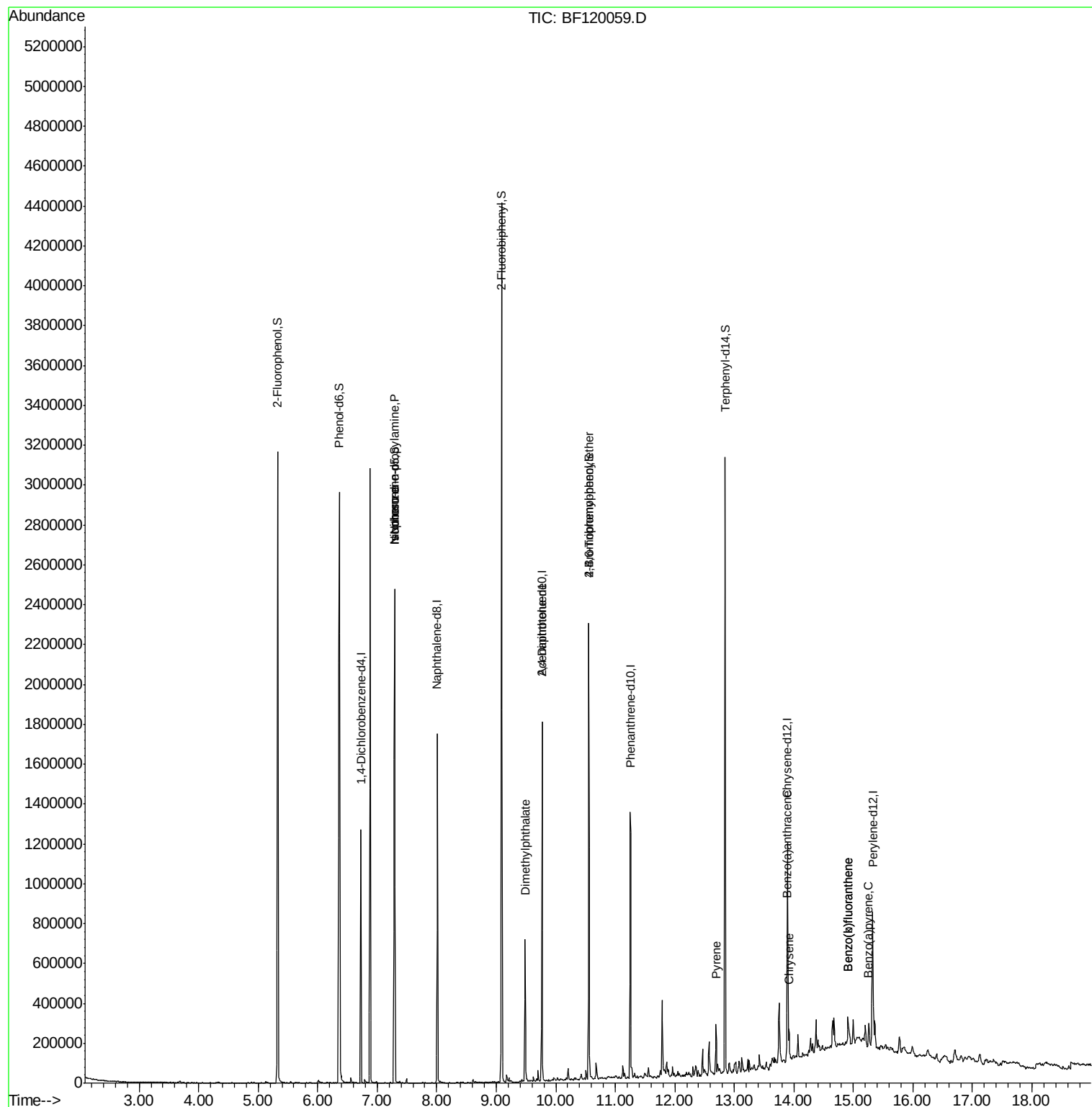
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.73	152	187796	20.00	ng	0.00
21) Naphthalene-d8	8.01	136	679931	20.00	ng	0.00
39) Acenaphthene-d10	9.77	164	326858	20.00	ng	0.00
64) Phenanthrene-d10	11.25	188	502625	20.00	ng	0.00
76) Chrysene-d12	13.89	240	339244	20.00	ng	-0.01
87) Perylene-d12	15.32	264	296535	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.33	112	891386	82.03	ng	0.00
7) Phenol-d6	6.36	99	1160230	82.86	ng	0.00
23) Nitrobenzene-d5	7.29	82	707056	53.80	ng	0.00
42) 2,4,6-Tribromophenol	10.56	330	239276	59.79	ng	-0.01
45) 2-Fluorobiphenyl	9.09	172	1231147	53.48	ng	0.00
79) Terphenyl-d14	12.84	244	1010127	50.10	ng	0.00
Target Compounds						
9) Benzaldehyde	6.36	77	1819	Below Cal		Qvalue # 1
19) n-Nitroso-di-n-propylamine	7.29	70	92049	10.223	ng	# 76
25) Isophorone	7.29	82	700014	27.630	ng	# 65
50) Dimethylphthalate	9.49	163	244345	9.665	ng	99
57) 2,4-Dinitrotoluene	9.77	165	42235	5.790	ng	# 22
67) 4-Bromophenyl-phenylether	10.56	248	15322	2.451	ng	# 1
78) Pyrene	12.69	202	100772	3.524	ng	98
81) Benzo(a)anthracene	13.88	228	63158	2.830	ng	99
83) Chrysene	13.92	228	66870	2.949	ng	96
88) Benzo(b)fluoranthene	14.92	252	87537	4.104	ng	# 91
89) Benzo(k)fluoranthene	14.92	252	87537	4.756	ng	# 92
90) Benzo(a)pyrene	15.26	252	56542	3.152	ng	98

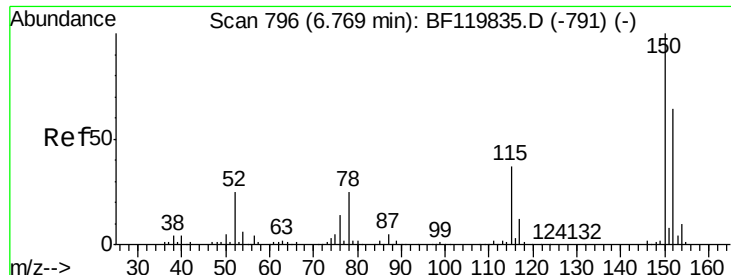
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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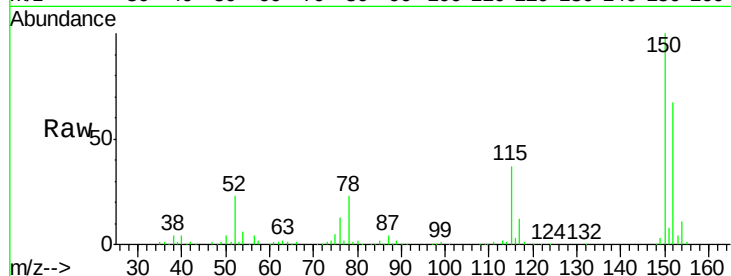


#1

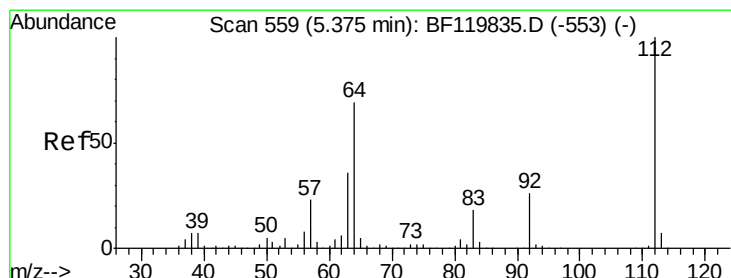
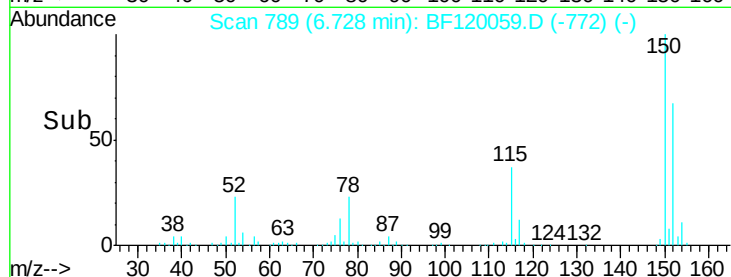
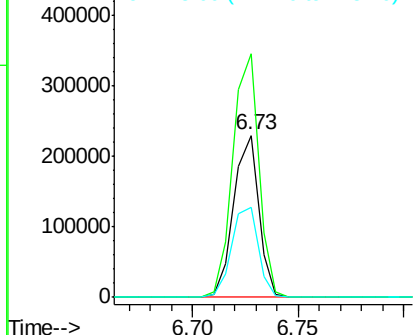
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.73 min Scan# 789
Delta R.T. -0.00 min
Lab File: BF120059.D
Acq: 17 Apr 2020 15:14

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 187796
Ion Ratio Lower Upper
152 100
150 150.4 124.8 187.2
115 55.7 46.5 69.7



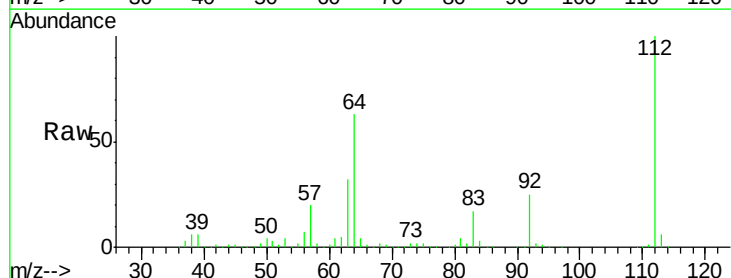
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



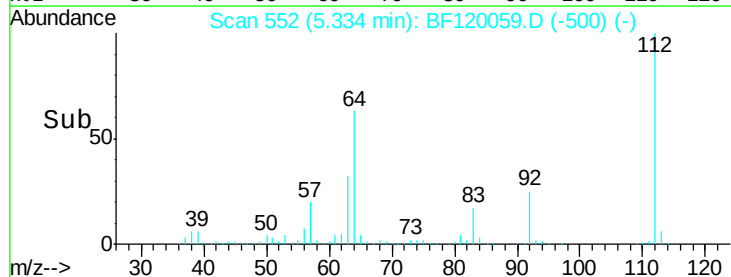
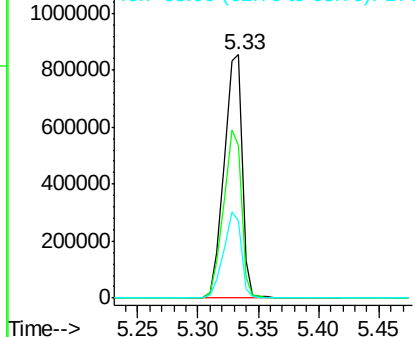
#5

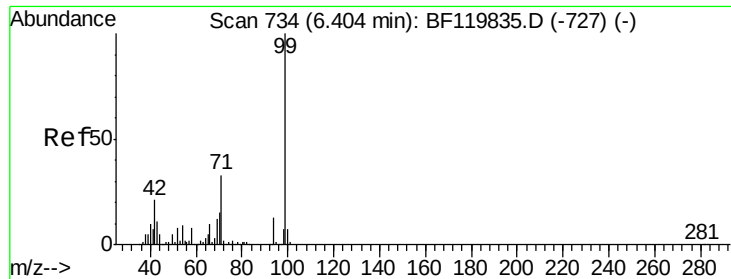
2-Fluorophenol
Concen: 82.029 ng
RT: 5.33 min Scan# 552
Delta R.T. 0.01 min
Lab File: BF120059.D
Acq: 17 Apr 2020 15:14

Tgt Ion:112 Resp: 891386
Ion Ratio Lower Upper
112 100
64 62.9 55.5 83.3
63 32.0 29.1 43.7



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: 82.860 ng

RT: 6.36 min Scan# 727

Delta R.T. -0.01 min

Lab File: BF120059.D

Acq: 17 Apr 2020 15:14

Instrument :

BNA_F

ClientSampleId :

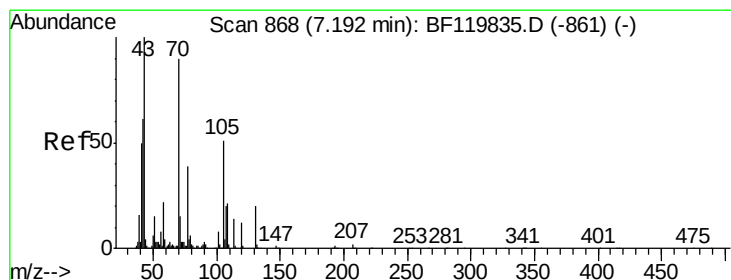
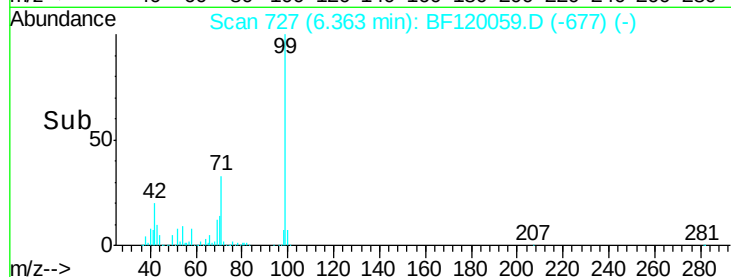
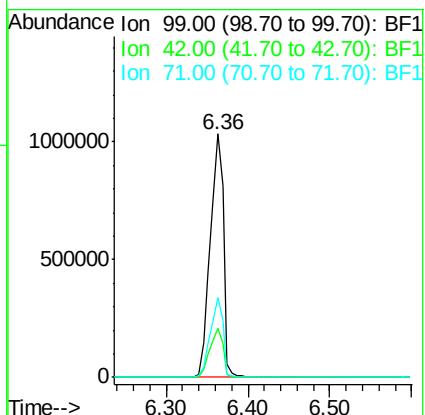
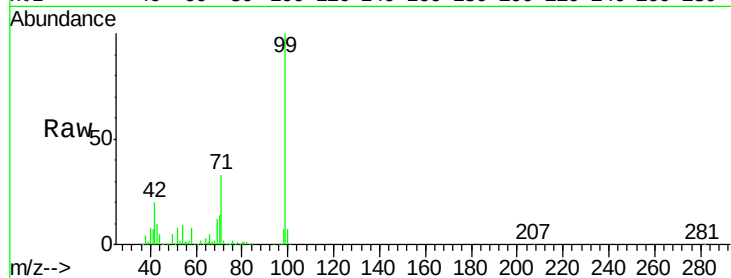
Tot Ion: 99 Resp: 1160230

Ion Ratio Lower Upper

99 100

42 20.2 16.9 25.3

71 32.8 26.3 39.5



#19

n-Nitroso-di-n-propylamine

Concen: 10.223 ng

RT: 7.29 min Scan# 885

Delta R.T. 0.14 min

Lab File: BF120059.D

Acq: 17 Apr 2020 15:14

Tgt Ion: 70 Resp: 92049

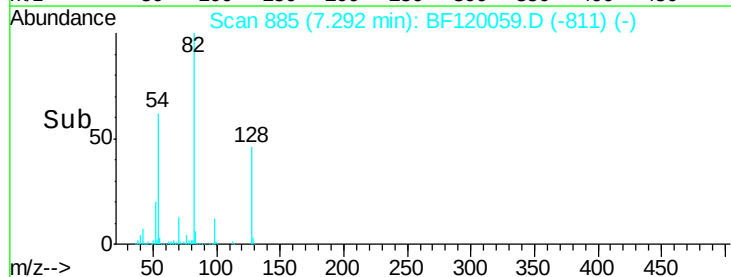
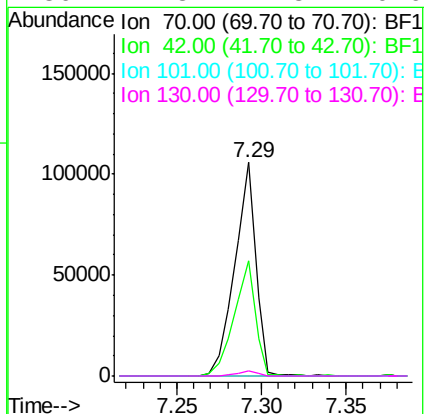
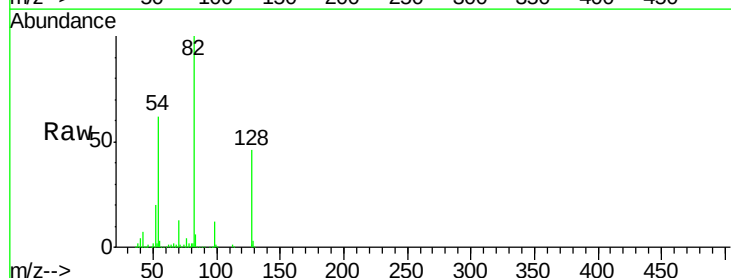
Ion Ratio Lower Upper

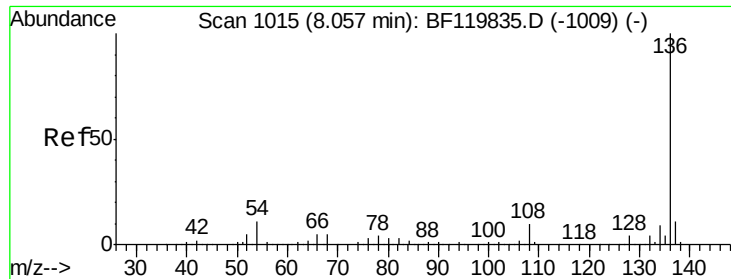
70 100

42 53.7 54.2 81.4#

101 0.0 7.4 11.2#

130 2.3 17.8 26.6#

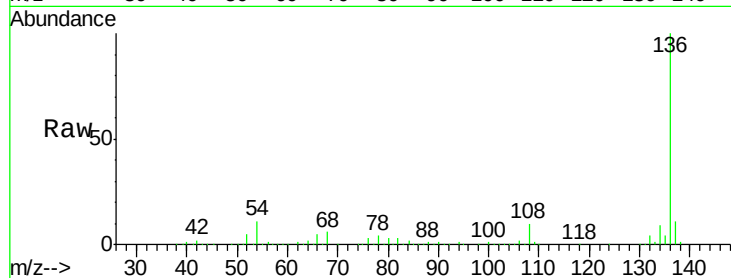




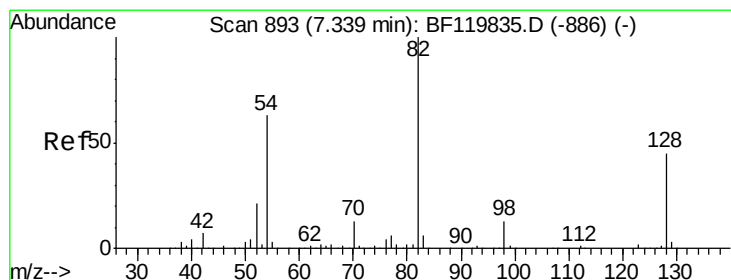
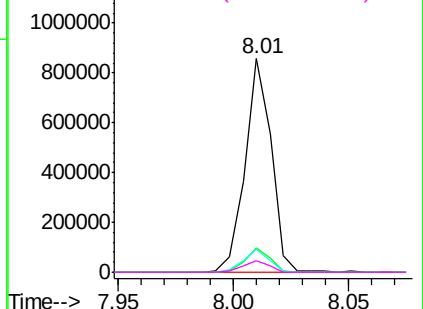
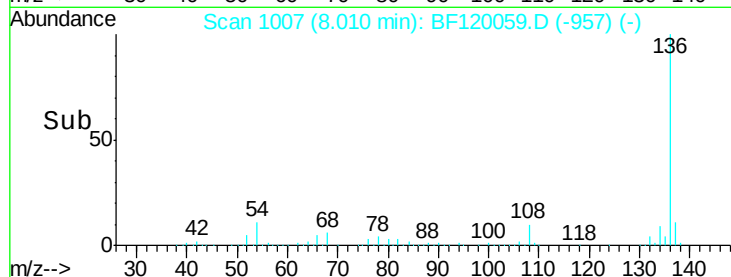
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.01 min Scan# 1007
Delta R.T. -0.01 min
Lab File: BF120059.D
Acq: 17 Apr 2020 15:14

Instrument :
BNA_F
ClientSampleId :

Tot Ion:136	Resp:	679931
Ion Ratio	Lower	Upper
136	100	
137	11.4	8.7 13.1
54	10.6	8.5 12.7
68	5.6	3.9 5.9

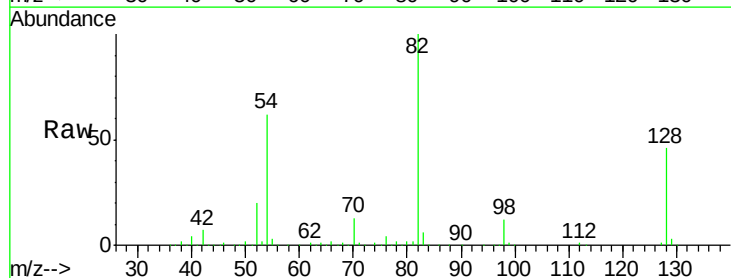


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

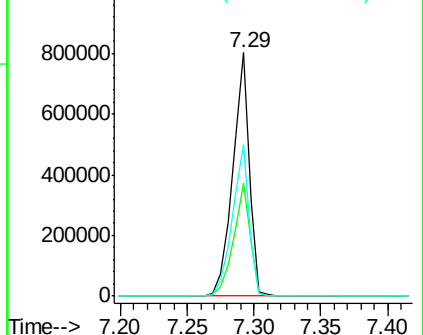
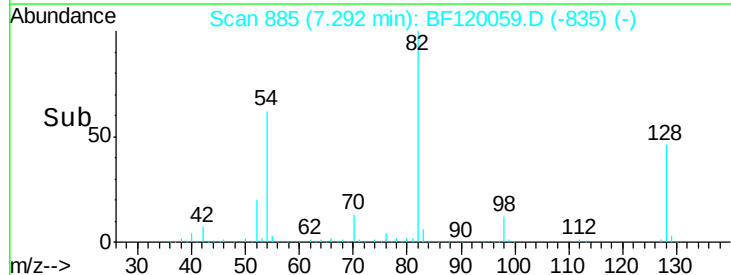


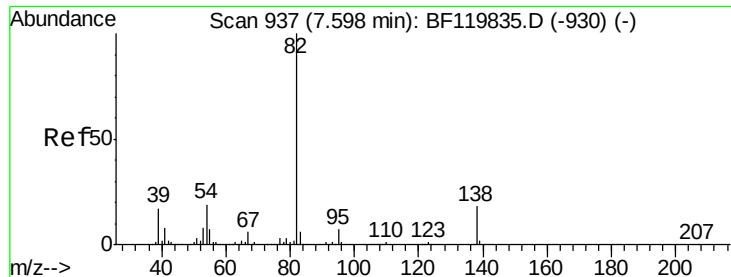
#23
Nitrobenzene-d5
Concen: 53.797 ng
RT: 7.29 min Scan# 885
Delta R.T. -0.01 min
Lab File: BF120059.D
Acq: 17 Apr 2020 15:14

Tgt Ion: 82	Resp:	707056
Ion Ratio	Lower	Upper
82	100	
128	46.4	36.2 54.4
54	62.1	50.4 75.6



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: 27.630 ng

RT: 7.29 min Scan# 885

Delta R.T. -0.27 min

Lab File: BF120059.D

Acq: 17 Apr 2020 15:14

Instrument :

BNA_F

ClientSampleId :

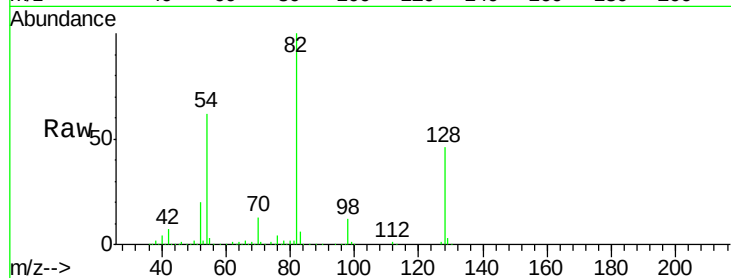
Tot Ion: 82 Resp: 700014

Ion Ratio Lower Upper

82 100

95 0.0 5.8 8.6#

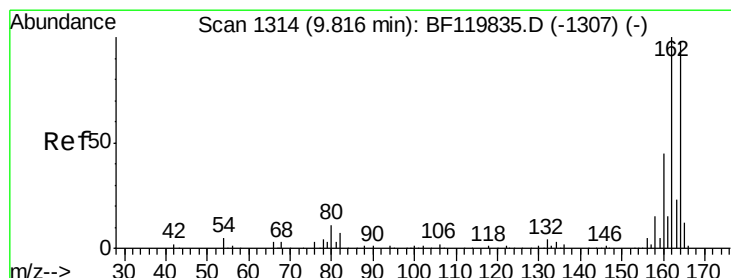
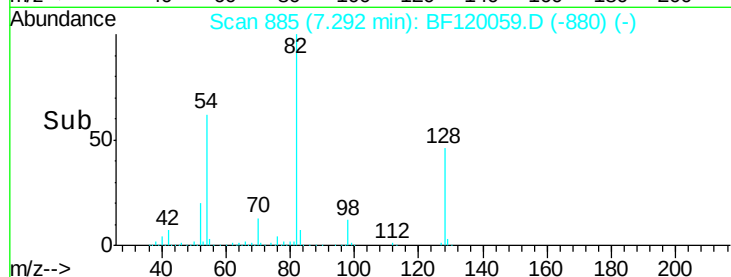
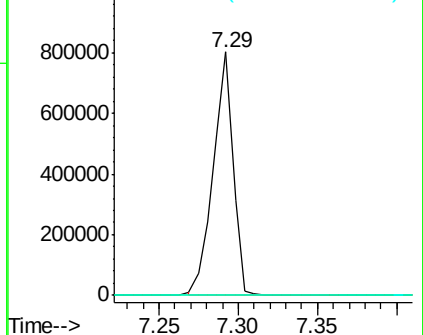
138 0.0 14.5 21.7#



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: 9.77 min Scan# 1306

Delta R.T. -0.01 min

Lab File: BF120059.D

Acq: 17 Apr 2020 15:14

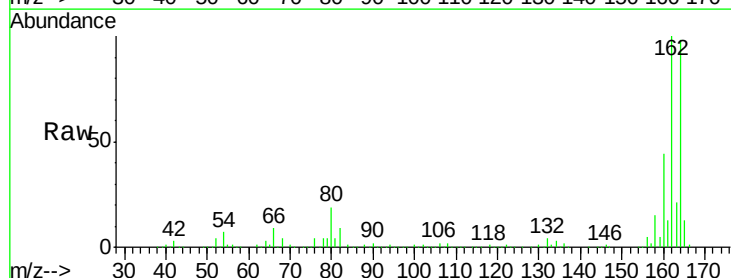
Tgt Ion:164 Resp: 326858

Ion Ratio Lower Upper

164 100

162 102.5 81.9 122.9

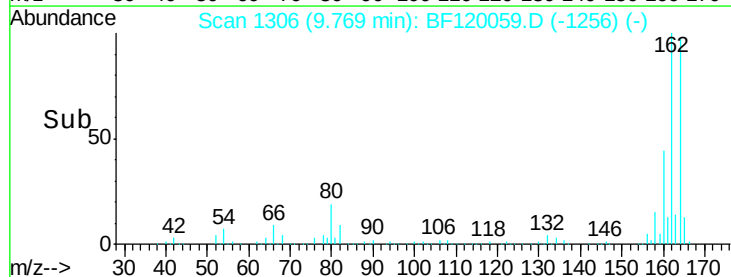
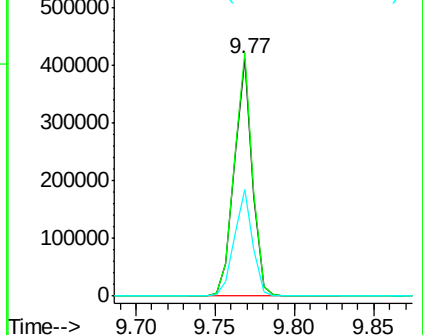
160 45.1 36.6 54.8

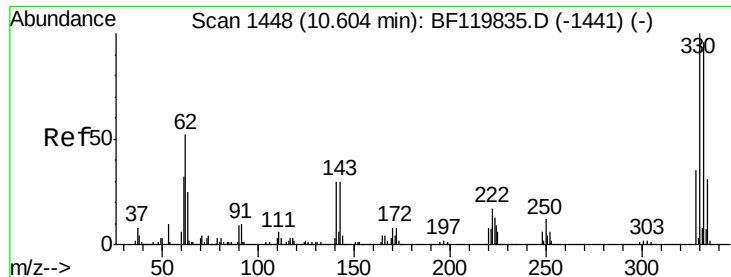


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

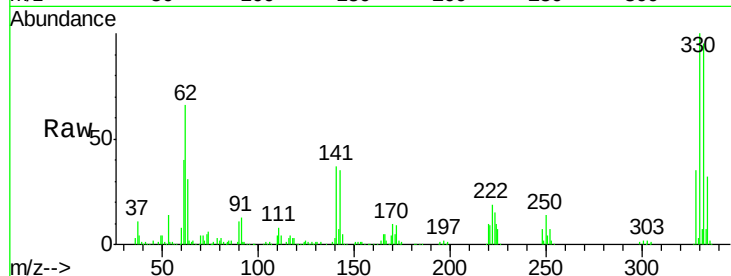




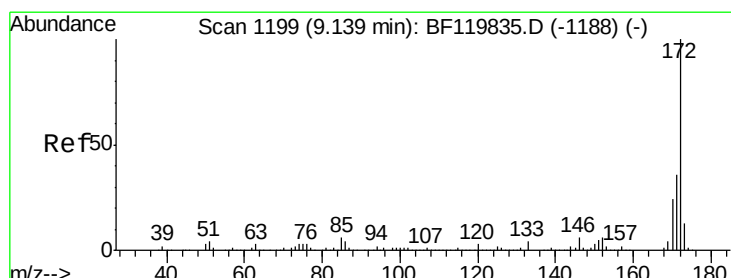
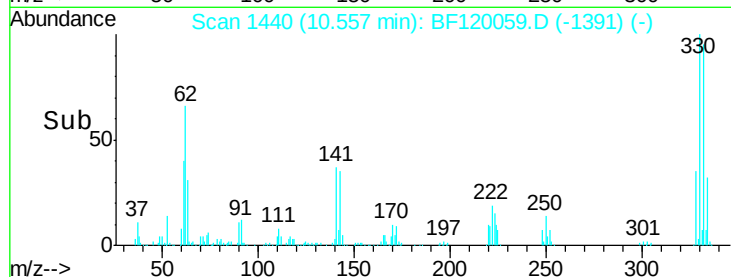
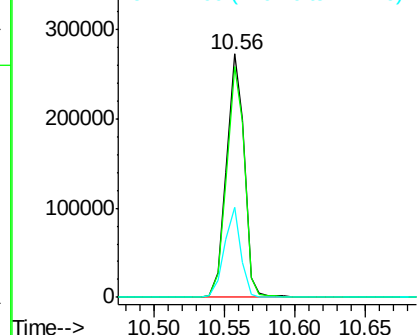
#42
 2,4,6-Tribromophenol
 Concen: 59.791 ng
 RT: 10.56 min Scan# 1440
 Delta R.T. -0.01 min
 Lab File: BF120059.D
 Acq: 17 Apr 2020 15:14

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	95.7	76.8	115.2
141	34.3	25.1	37.7

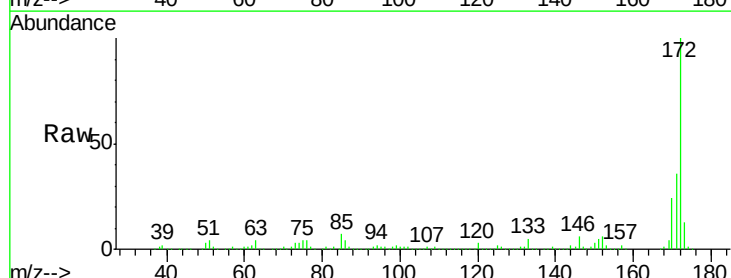


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

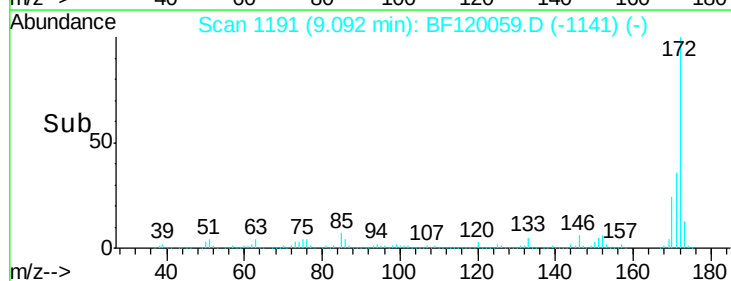
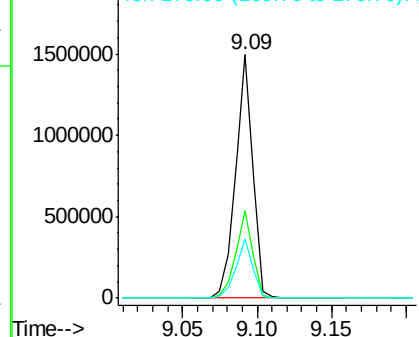


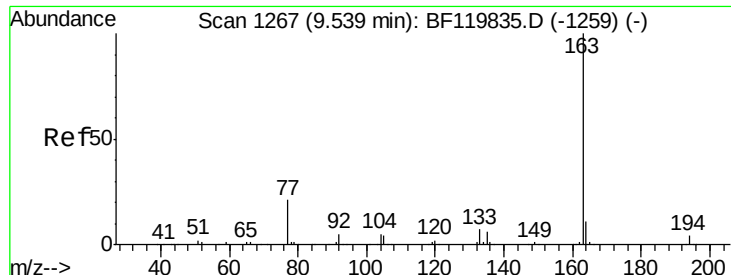
#45
 2-Fluorobiphenyl
 Concen: 53.478 ng
 RT: 9.09 min Scan# 1191
 Delta R.T. -0.01 min
 Lab File: BF120059.D
 Acq: 17 Apr 2020 15:14

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.0	28.9	43.3
170	24.4	19.4	29.2



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

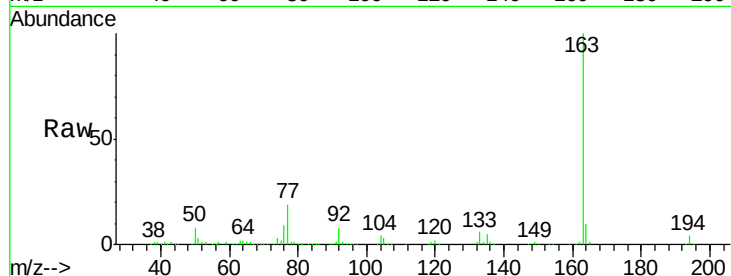




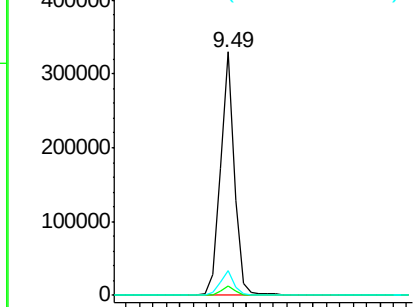
#50
Dimethylphthalate
Concen: 9.665 ng
RT: 9.49 min Scan# 1258
Delta R.T. -0.02 min
Lab File: BF120059.D
Acq: 17 Apr 2020 15:14

Instrument :
BNA_F
ClientSampleId :

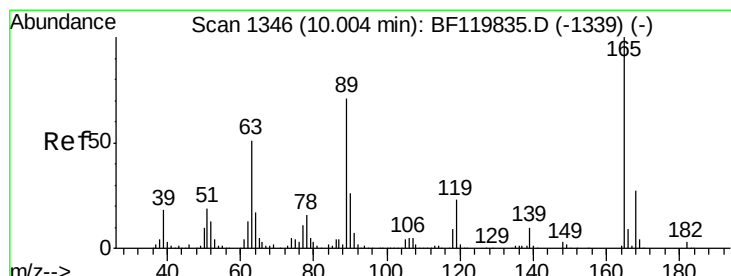
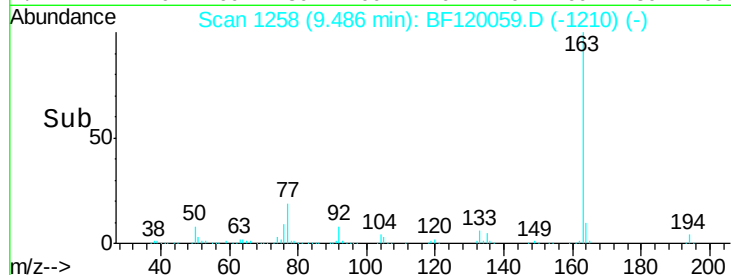
Tot Ion:163 Resp: 244345
Ion Ratio Lower Upper
163 100
194 4.0 3.0 4.4
164 10.0 8.4 12.6



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

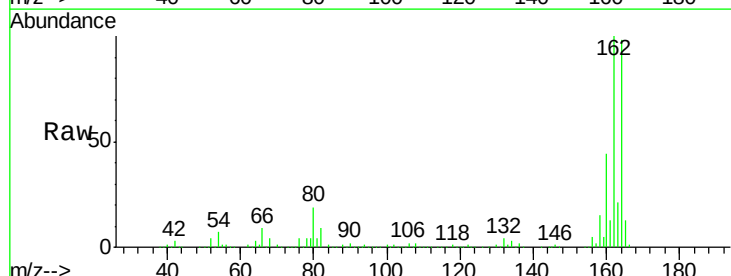


Time-->

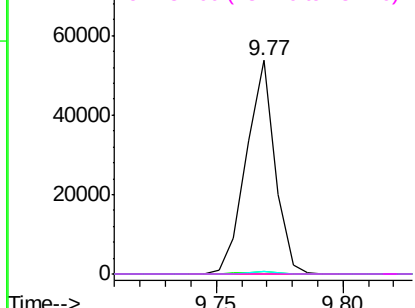


#57
2,4-Dinitrotoluene
Concen: 5.790 ng
RT: 9.77 min Scan# 1306
Delta R.T. -0.20 min
Lab File: BF120059.D
Acq: 17 Apr 2020 15:14

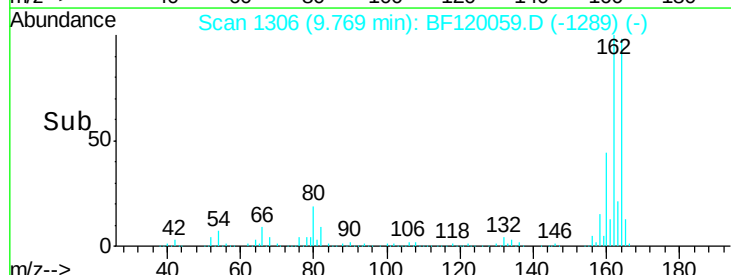
Tgt Ion:165 Resp: 42235
Ion Ratio Lower Upper
165 100
63 1.1 40.8 61.2#
89 1.3 56.9 85.3#
182 0.0 2.0 3.0#

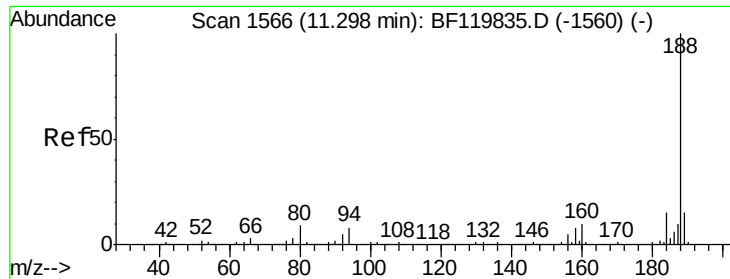


Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BF1
Ion 89.00 (88.70 to 89.70): BF1
Ion 182.00 (181.70 to 182.70): E



Time-->

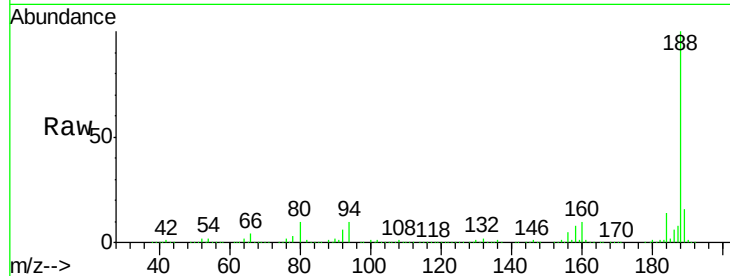




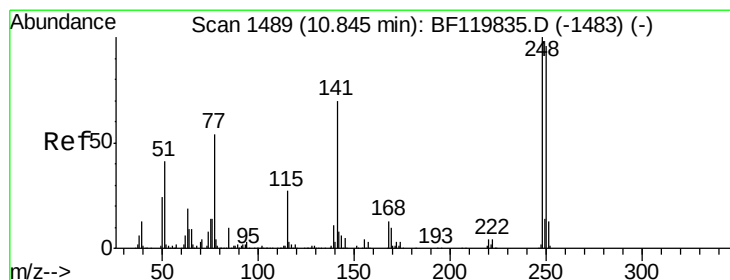
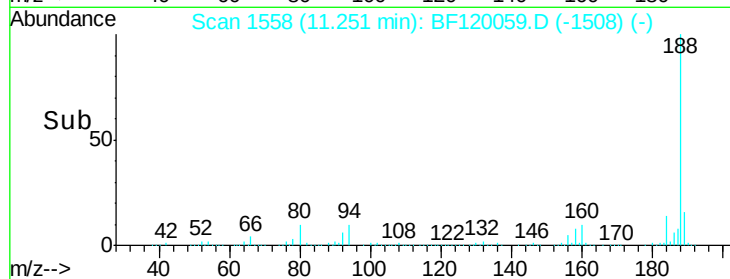
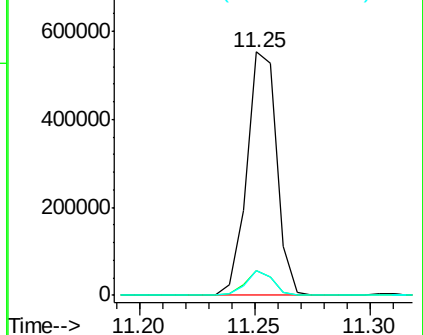
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.25 min Scan# 1558
Delta R.T. -0.01 min
Lab File: BF120059.D
Acq: 17 Apr 2020 15:14

Instrument :
BNA_F
ClientSampleId :

Tot Ion:188 Resp: 502625
Ion Ratio Lower Upper
188 100
94 10.1 6.7 10.1#
80 10.3 7.4 11.2

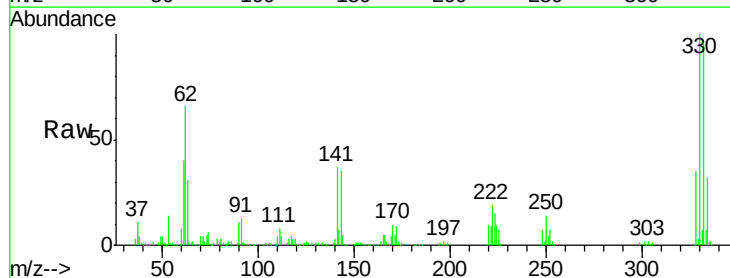


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF1
Ion 80.00 (79.70 to 80.70): BF1

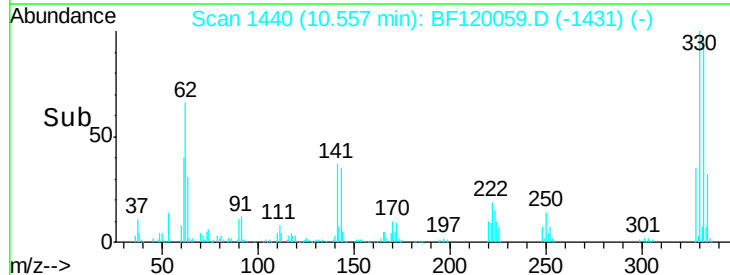
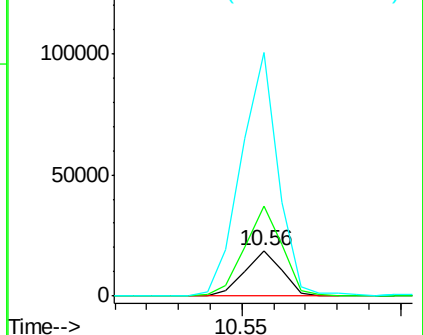


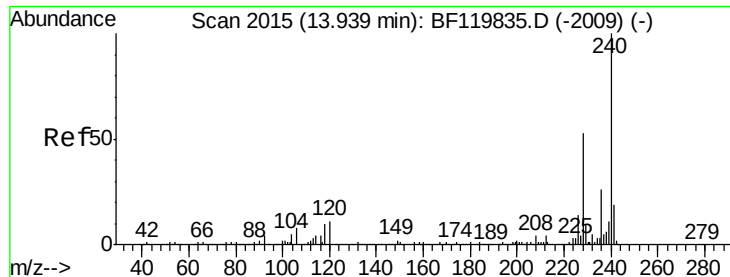
#67
4-Bromophenyl-phenylether
Concen: 2.451 ng
RT: 10.56 min Scan# 1440
Delta R.T. -0.25 min
Lab File: BF120059.D
Acq: 17 Apr 2020 15:14

Tgt Ion:248 Resp: 15322
Ion Ratio Lower Upper
248 100
250 195.5 76.6 114.8#
141 531.3 55.9 83.9#



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





#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.89 min Scan# 2007

Delta R.T. -0.01 min

Lab File: BF120059.D

Acq: 17 Apr 2020 15:14

Instrument :

BNA_F

ClientSampleId :

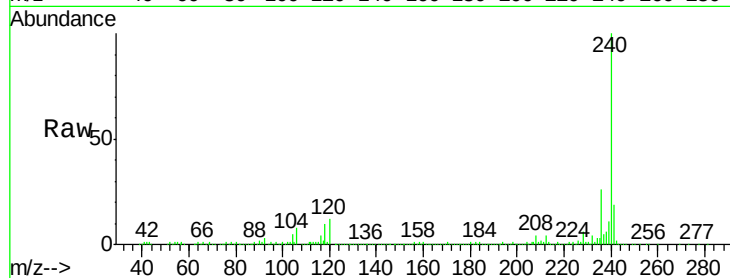
Tot Ion:240 Resp: 339244

Ion Ratio Lower Upper

240 100

120 12.1 9.0 13.6

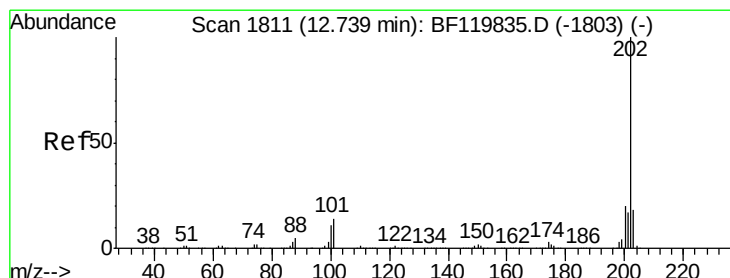
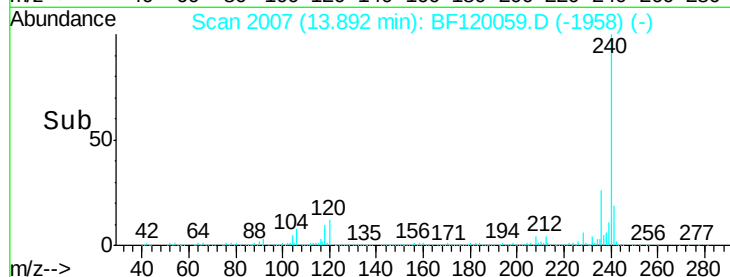
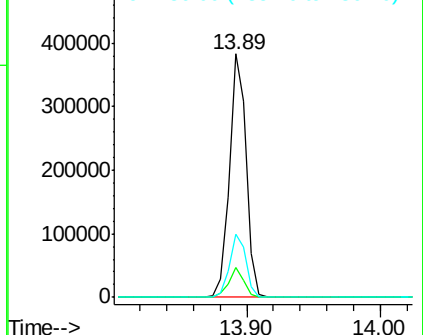
236 26.0 20.7 31.1



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



#78

Pyrene

Concen: 3.524 ng

RT: 12.69 min Scan# 1803

Delta R.T. -0.01 min

Lab File: BF120059.D

Acq: 17 Apr 2020 15:14

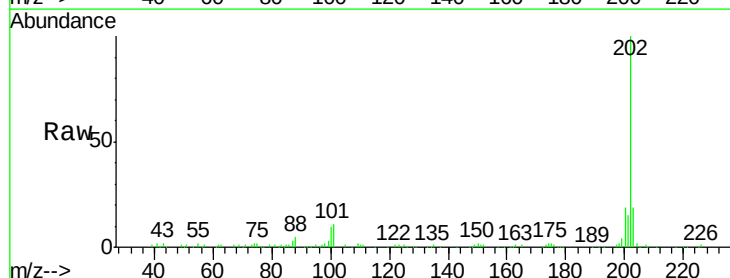
Tgt Ion:202 Resp: 100772

Ion Ratio Lower Upper

202 100

200 19.4 16.2 24.2

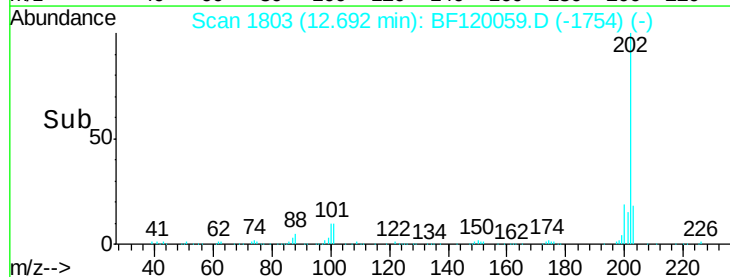
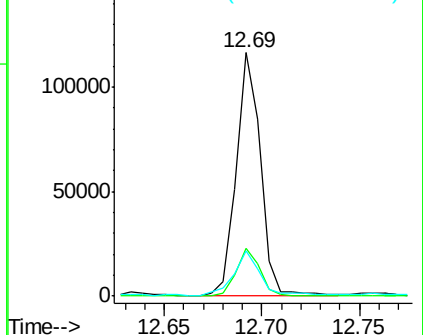
203 18.8 14.1 21.1

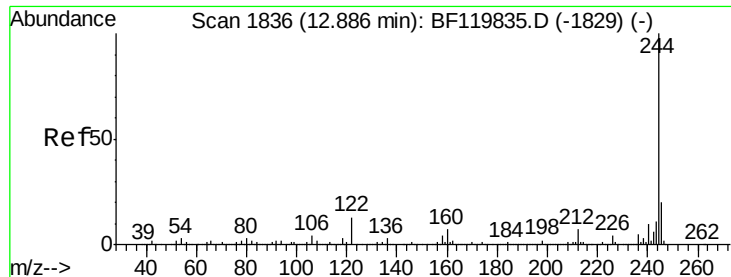


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

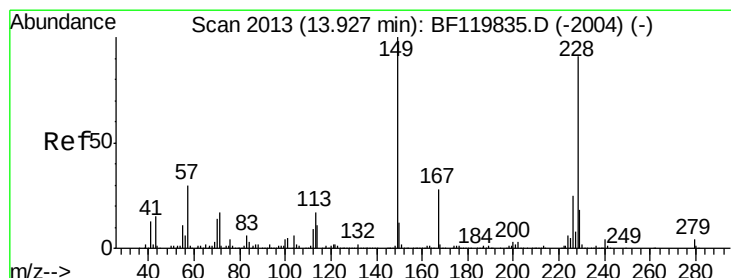
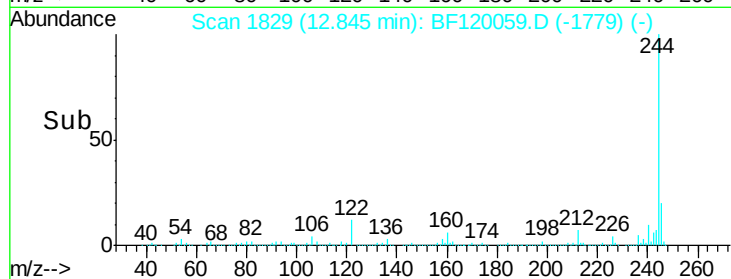
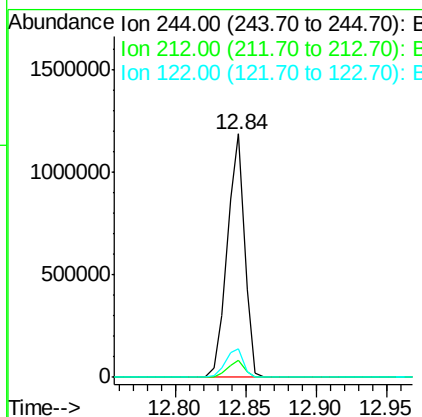
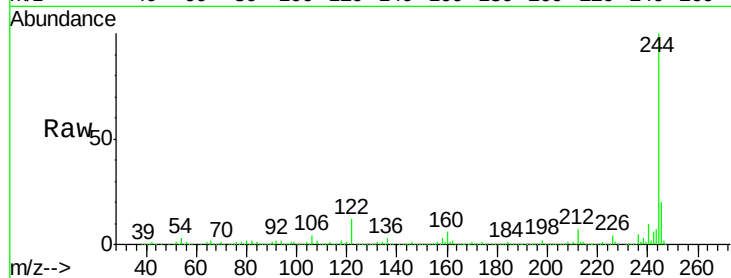




#79
 Terphenyl-d14
 Concen: 50.102 ng
 RT: 12.84 min Scan# 1829
 Delta R.T. -0.01 min
 Lab File: BF120059.D
 Acq: 17 Apr 2020 15:14

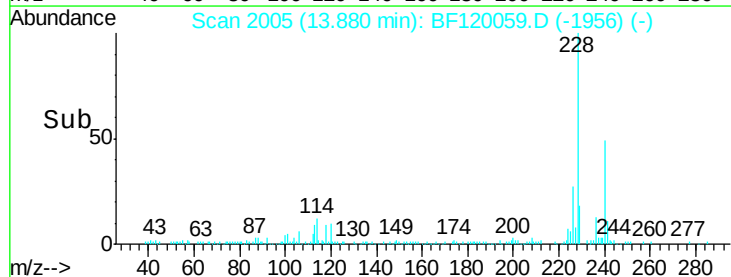
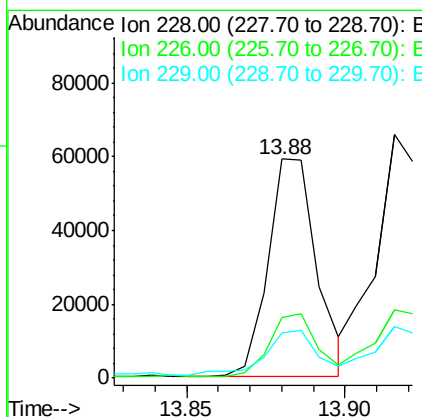
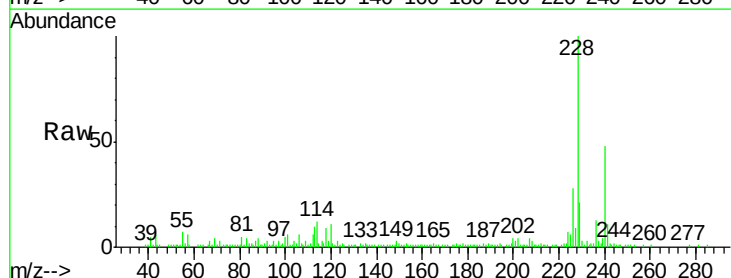
Instrument :
 BNA_F
 ClientSampleId :

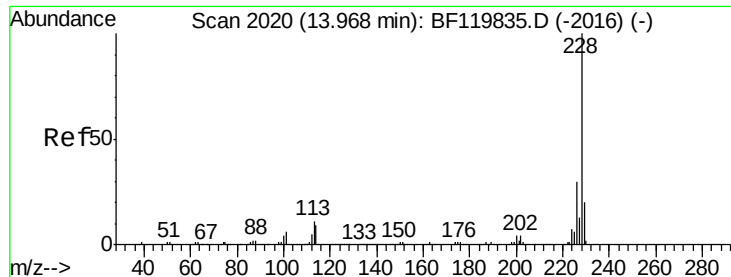
Tot Ion:244 Resp: 1010127
 Ion Ratio Lower Upper
 244 100
 212 6.9 5.4 8.0
 122 11.6 10.3 15.5



#81
 Benzo(a)anthracene
 Concen: 2.830 ng
 RT: 13.88 min Scan# 2005
 Delta R.T. -0.01 min
 Lab File: BF120059.D
 Acq: 17 Apr 2020 15:14

Tgt Ion:228 Resp: 63158
 Ion Ratio Lower Upper
 228 100
 226 27.9 21.9 32.9
 229 20.6 15.9 23.9





#83

Chrysene

Concen: 2.949 ng

RT: 13.92 min Scan# 2011

Delta R.T. -0.02 min

Lab File: BF120059.D

Acq: 17 Apr 2020 15:14

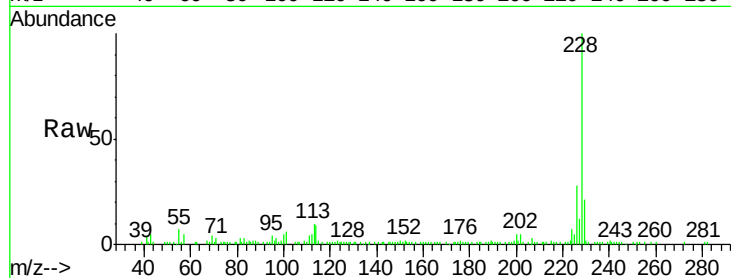
Instrument :

BNA_F

ClientSampleId :

Tot Ion:228 Resp: 66870

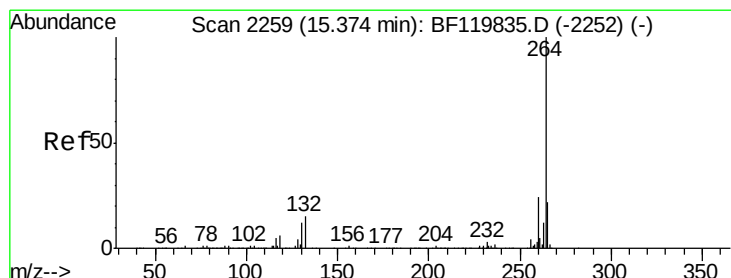
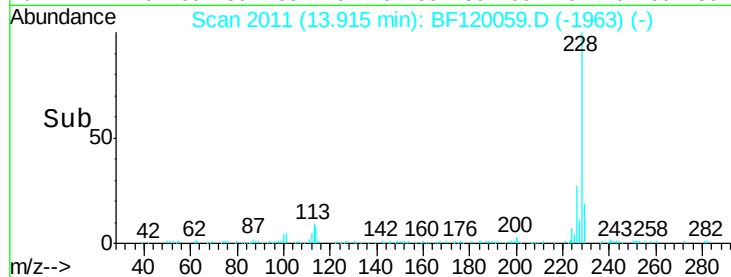
Ion	Ratio	Lower	Upper
228	100		
226	28.0	24.2	36.2
229	21.3	15.9	23.9



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: 15.32 min Scan# 2250

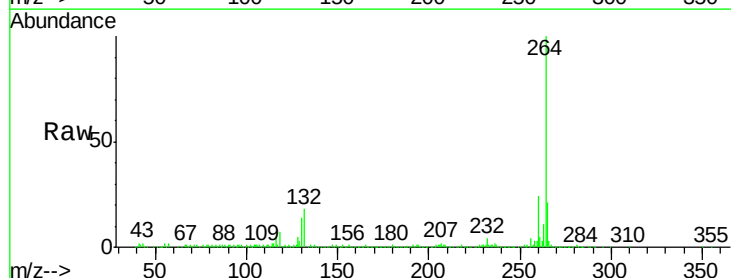
Delta R.T. -0.01 min

Lab File: BF120059.D

Acq: 17 Apr 2020 15:14

Tgt Ion:264 Resp: 296535

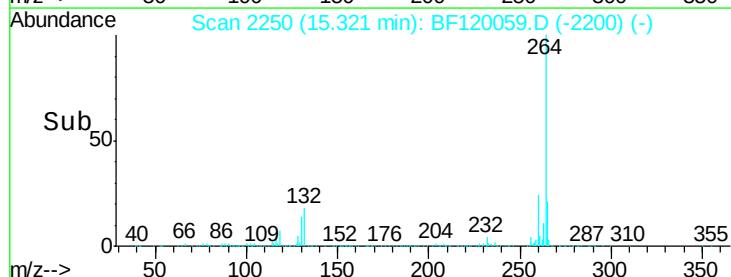
Ion	Ratio	Lower	Upper
264	100		
260	24.4	19.3	28.9
265	21.5	17.6	26.4

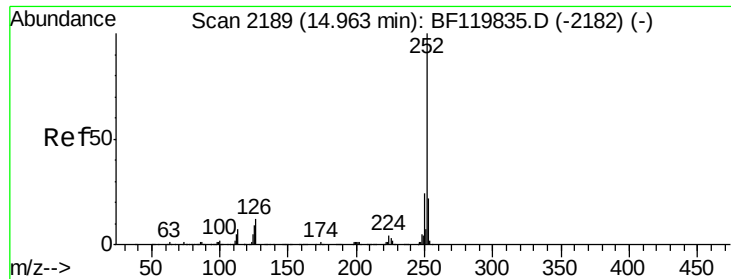


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

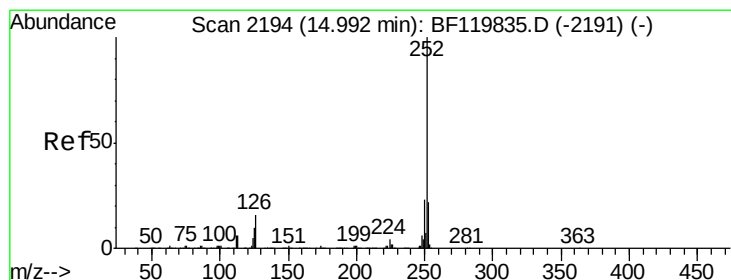
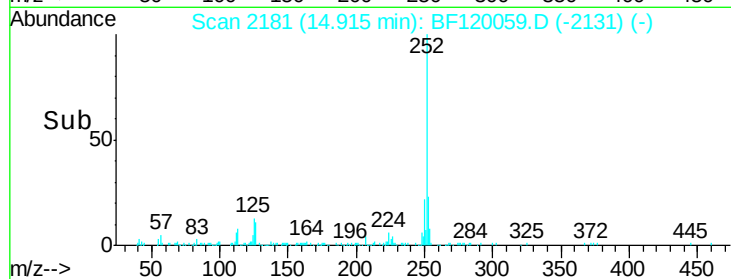
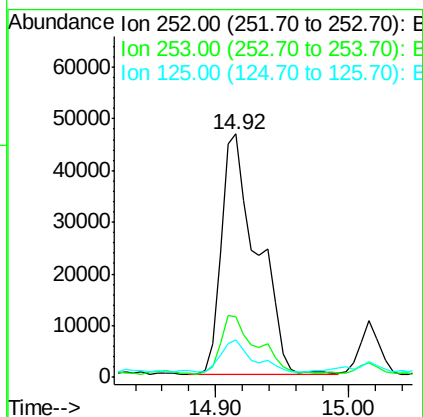
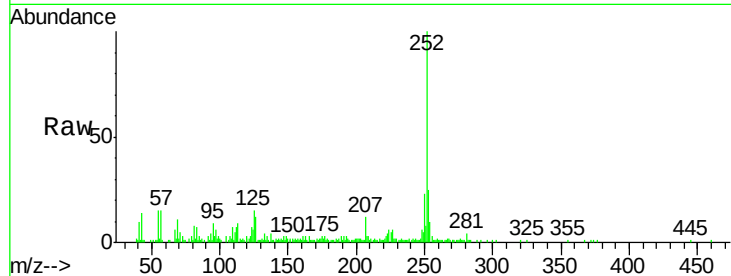




#88
Benzo(b)fluoranthene
Concen: 4.104 ng
RT: 14.92 min Scan# 2181
Delta R.T. -0.01 min
Lab File: BF120059.D
Acq: 17 Apr 2020 15:14

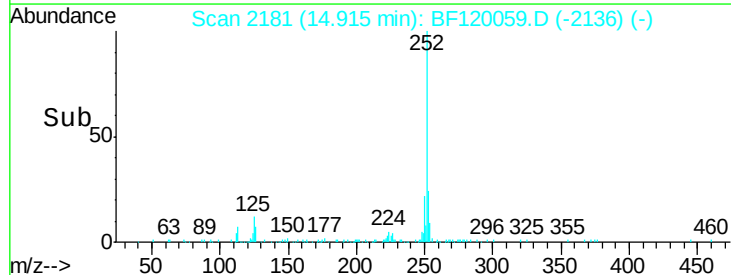
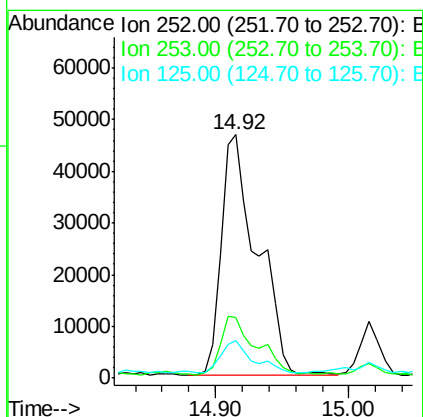
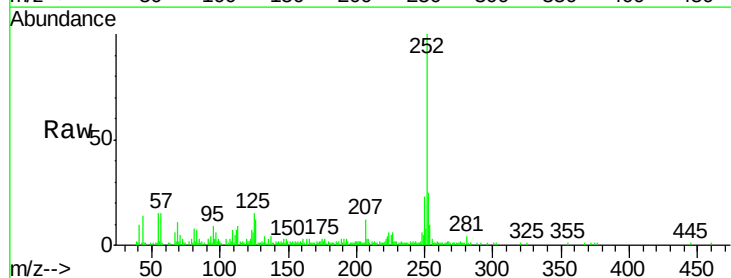
Instrument :
BNA_F
ClientSampleId :

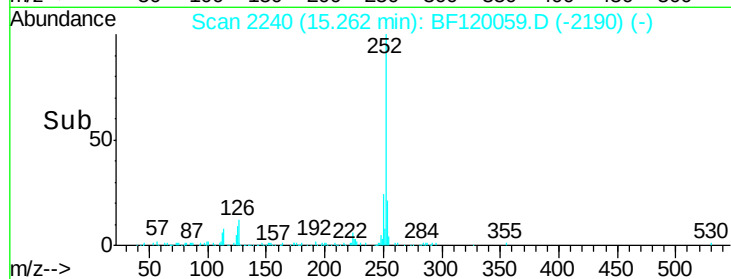
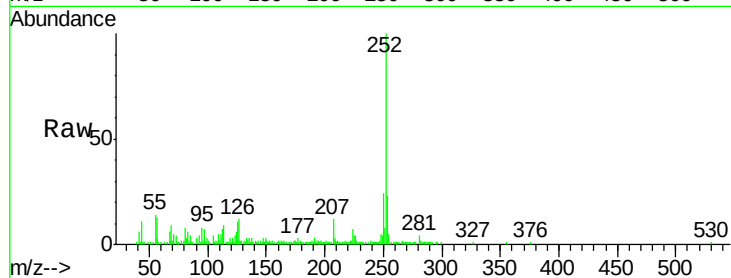
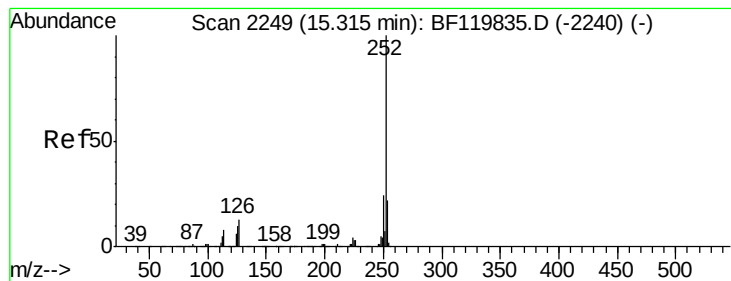
Tot Ion	Ratio	Lower	Upper
252	100		
253	24.6	17.7	26.5
125	15.4	7.4	11.2



#89
Benzo(k)fluoranthene
Concen: 4.756 ng
RT: 14.92 min Scan# 2181
Delta R.T. -0.04 min
Lab File: BF120059.D
Acq: 17 Apr 2020 15:14

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.6	17.8	26.8
125	15.4	7.7	11.5





#90

Benzo(a)pyrene

Concen: 3.152 ng

RT: 15.26 min Scan# 2240

Delta R.T. -0.01 min

Lab File: BF120059.D

Acq: 17 Apr 2020 15:14

Instrument :

BNA_F

ClientSampleId :

Tot Ion:252 Resp: 56542

Ion Ratio Lower Upper

252 100

253 22.7 17.4 26.2

125 10.8 8.3 12.5

