

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF041720\
 Data File : BF120068.D
 Acq On : 17 Apr 2020 19:21
 Operator : MA/SJ
 Sample : L2245-41
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Apr 18 01:37:31 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	175667	20.00	ng	0.00
21) Naphthalene-d8	8.02	136	596694	20.00	ng	0.00
39) Acenaphthene-d10	9.79	164	240676	20.00	ng	0.01
64) Phenanthrene-d10	11.27	188	373194	20.00	ng	0.01
76) Chrysene-d12	13.90	240	300417	20.00	ng	0.00
87) Perylene-d12	15.33	264	251475	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.34	112	926104	91.11	ng	0.01
7) Phenol-d6	6.37	99	1156497	88.30	ng	0.00
23) Nitrobenzene-d5	7.30	82	741776	64.31	ng	0.00
42) 2,4,6-Tribromophenol	10.57	330	159105	53.99	ng	0.00
45) 2-Fluorobiphenyl	9.10	172	1229316	72.52	ng	0.00
79) Terphenyl-d14	12.85	244	824407	46.18	ng	0.00

Target Compounds				Qvalue		
9) Benzaldehyde	6.27	77	5607	Below Cal	#	17
18) Hexachloroethane	7.27	117	51901	10.964	ng	1
19) n-Nitroso-di-n-propylamine	7.16	70	24437	2.901	ng	68
25) Isophorone	7.54	82	54899	2.469	ng	1
26) 2-Nitrophenol	7.64	139	12024	2.074	ng	1
31) Naphthalene	8.04	128	80412	2.561	ng	70
35) Caprolactam	8.49	113	16869	6.154	ng	1
37) 2-Methylnaphthalene	8.74	142	59133	2.778	ng	91
38) 1-Methylnaphthalene	8.84	142	270777	13.498	ng	97
43) 2,4,6-Trichlorophenol	9.02	196	11564	2.203	ng	12
48) 2-Nitroaniline	9.38	65	17123	3.019	ng	48
49) Acenaphthylene	9.65	152	63529	2.669	ng	7
50) Dimethylphthalate	9.50	163	91591	4.920	ng	51
52) Acenaphthene	9.82	154	73103	4.605	ng	88
53) 3-Nitroaniline	9.73	138	13604	2.922	ng	33
55) Dibenzofuran	9.99	168	66357	3.046	ng	1
56) 4-Nitrophenol	9.89	139	54873	15.840	ng	32
57) 2,4-Dinitrotoluene	9.99	165	36231	6.746	ng	52
58) Fluorene	10.33	166	140061	8.039	ng	88
62) 4-Nitroaniline	10.24	138	10300	2.321	ng	94
66) n-Nitrosodiphenylamine	10.45	169	234173	18.868	ng	50
71) Phenanthrene	11.30	178	596513	30.033	ng	97
72) Anthracene	11.30	178	596513	29.399	ng	98
75) Fluoranthene	12.49	202	637337	29.740	ng	98
78) Pyrene	12.71	202	658525	26.002	ng	99
81) Benzo(a)anthracene	13.89	228	362388	18.336	ng	97
83) Chrysene	13.93	228	334907	16.678	ng	96
86) Indeno(1,2,3-cd)pyrene	16.72	276	129919	7.339	ng	99
88) Benzo(b)fluoranthene	14.92	252	451765	24.972	ng	95
89) Benzo(k)fluoranthene	14.92	252	451765	28.943	ng	96
90) Benzo(a)pyrene	15.27	252	244928	16.103	ng	97
91) Dibenzo(a,h)anthracene	16.73	278	40260	2.988	ng	87
92) Benzo(a,h,i)perylene	17.14	276	143434	10.785	ng	93

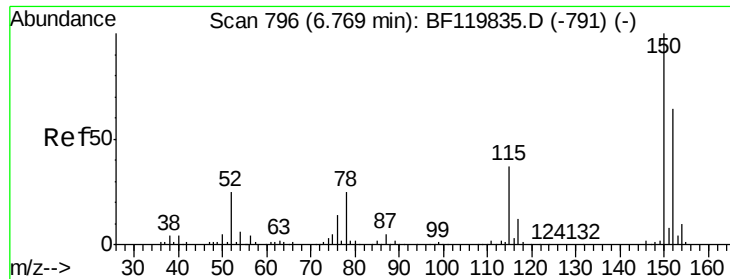
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF041720\
Data File : BF120068.D
Acq On : 17 Apr 2020 19:21
Operator : MA/SJ
Sample : L2245-41
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Instrument :
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ClientSampleId :

Quant Time: Apr 18 01:37:31 2020
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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)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed

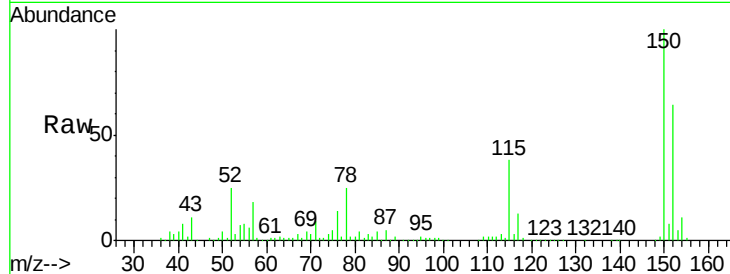


#1

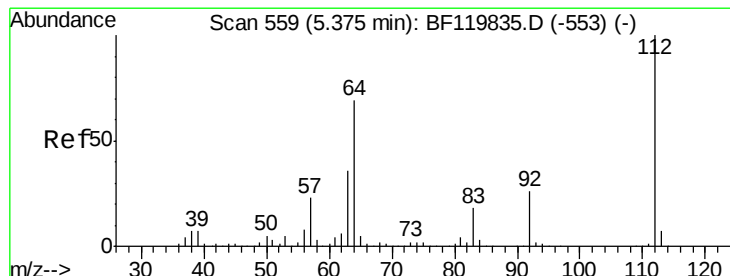
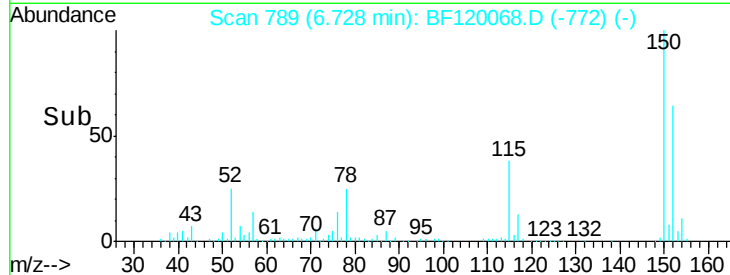
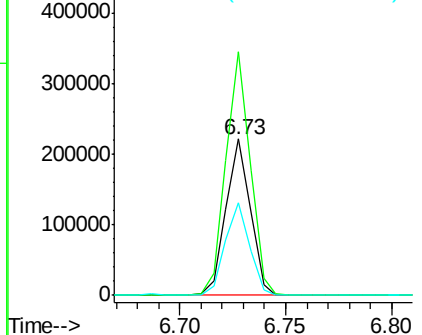
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.73 min Scan# 789
 Delta R.T. -0.00 min
 Lab File: BF120068.D
 Acq: 17 Apr 2020 19:21

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	155.8	124.8	187.2
115	59.3	46.5	69.7



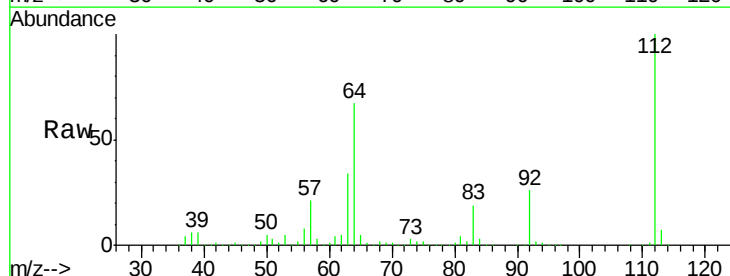
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



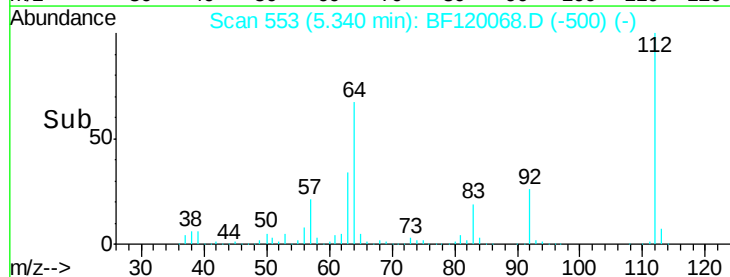
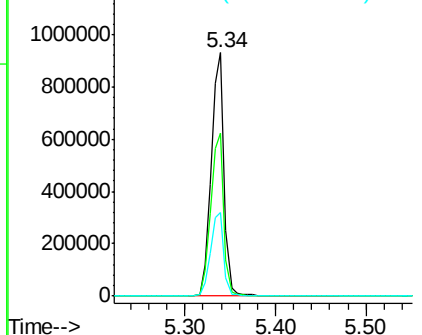
#5

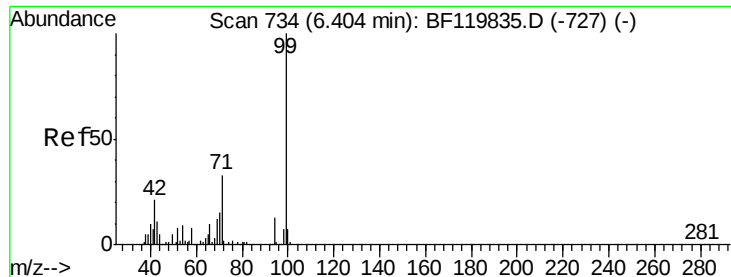
2-Fluorophenol
 Concen: 91.109 ng
 RT: 5.34 min Scan# 553
 Delta R.T. 0.01 min
 Lab File: BF120068.D
 Acq: 17 Apr 2020 19:21

Tgt Ion	Ratio	Lower	Upper
112	100		
64	67.0	55.5	83.3
63	34.3	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: 88.296 ng

RT: 6.37 min Scan# 729

Delta R.T. 0.01 min

Lab File: BF120068.D

Acq: 17 Apr 2020 19:21

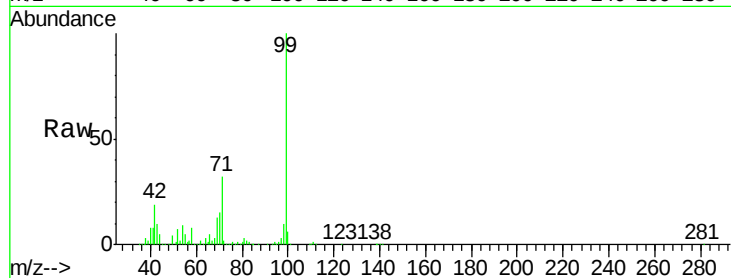
Instrument :

BNA_F

ClientSampled :

Tot Ion: 99 Resp: 1156497

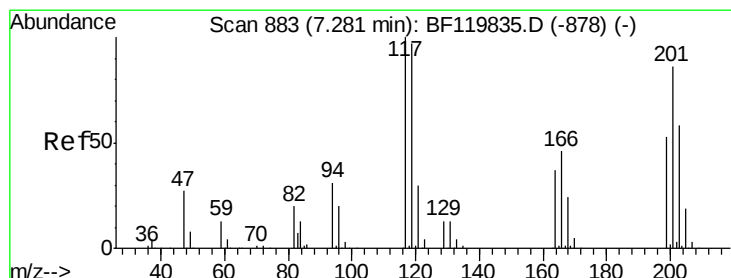
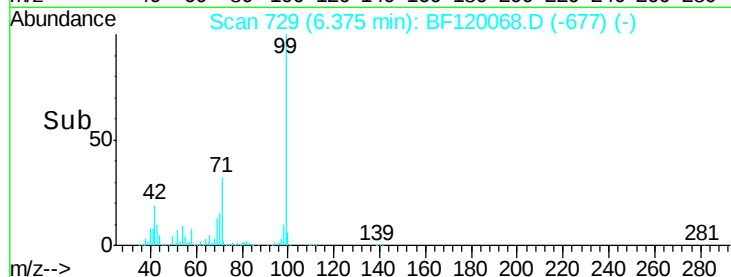
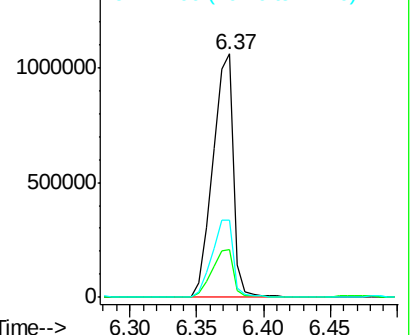
Ion	Ratio	Lower	Upper
99	100		
42	19.4	16.9	25.3
71	32.0	26.3	39.5



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



#18

Hexachloroethane

Concen: 10.964 ng

RT: 7.27 min Scan# 881

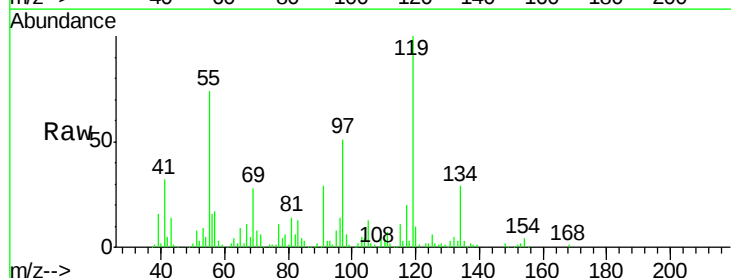
Delta R.T. 0.03 min

Lab File: BF120068.D

Acq: 17 Apr 2020 19:21

Tgt Ion: 117 Resp: 51901

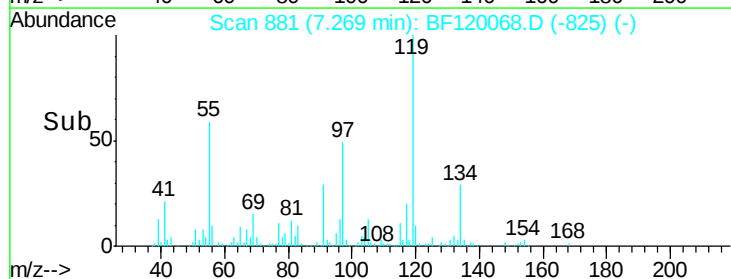
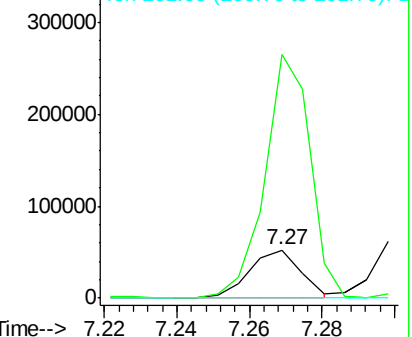
Ion	Ratio	Lower	Upper
117	100		
119	509.1	77.4	116.0#
201	0.0	68.4	102.6#

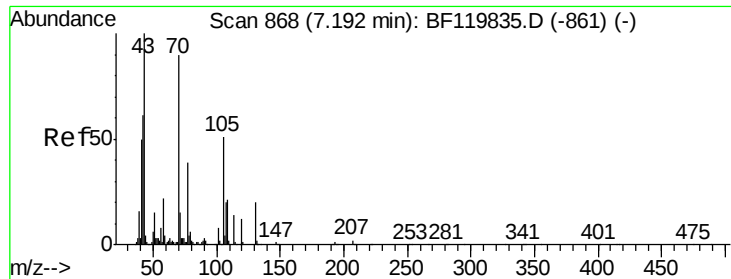


Abundance Ion 117.00 (116.70 to 117.70): E

Ion 119.00 (118.70 to 119.70): E

Ion 201.00 (200.70 to 201.70): E

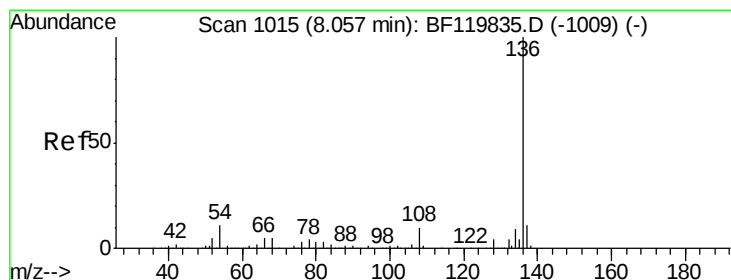
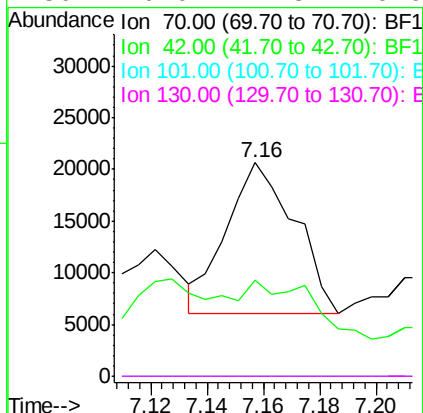
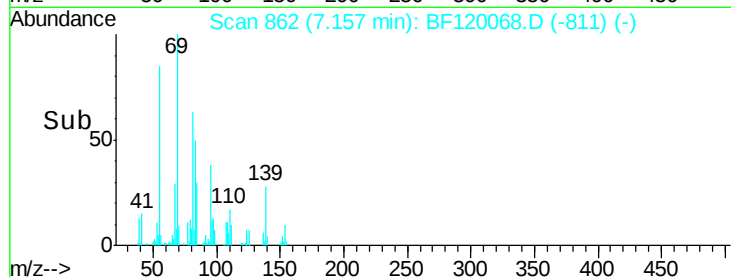
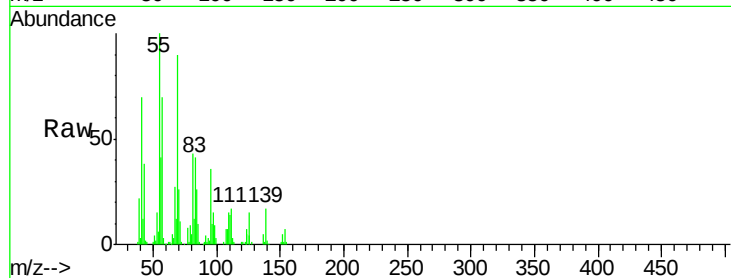




#19
n-Nitroso-di-n-propylamine
Concen: 2.901 ng
RT: 7.16 min Scan# 862
Delta R.T. -0.00 min
Lab File: BF120068.D
Acq: 17 Apr 2020 19:21

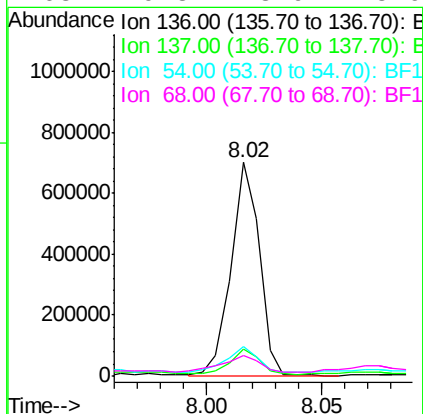
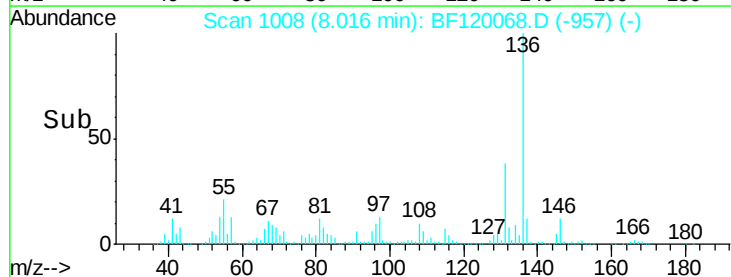
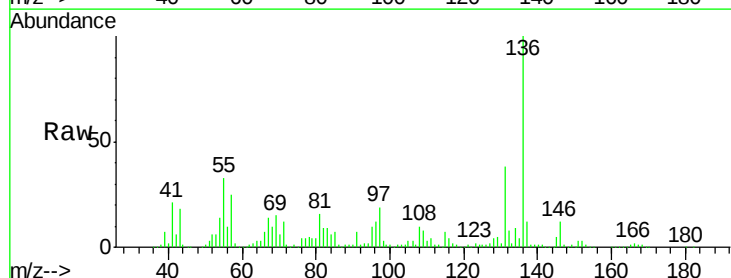
Instrument :
BNA_F
ClientSampled :

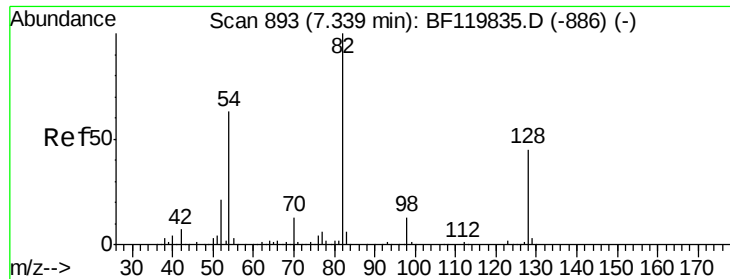
Tot Ion: 70 Resp: 24437
Ion Ratio Lower Upper
70 100
42 44.9 54.2 81.4#
101 0.0 7.4 11.2#
130 0.0 17.8 26.6#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.02 min Scan# 1008
Delta R.T. -0.00 min
Lab File: BF120068.D
Acq: 17 Apr 2020 19:21

Tgt Ion: 136 Resp: 596694
Ion Ratio Lower Upper
136 100
137 12.3 8.7 13.1
54 13.6 8.5 12.7#
68 9.8 3.9 5.9#

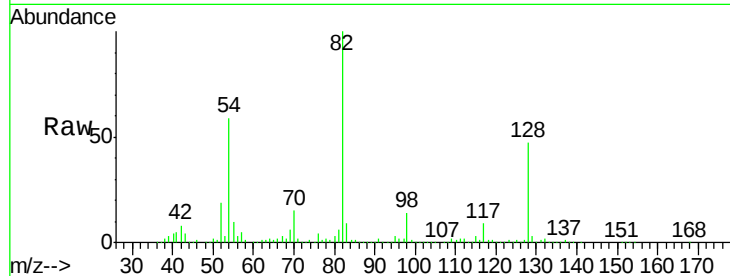




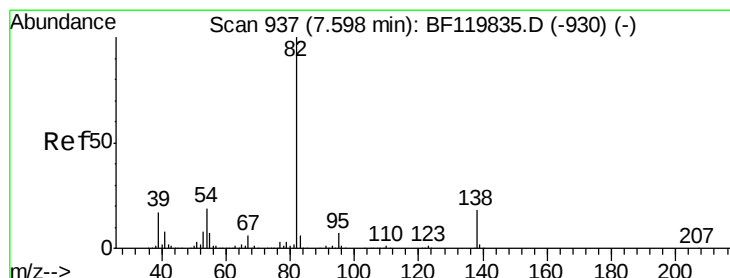
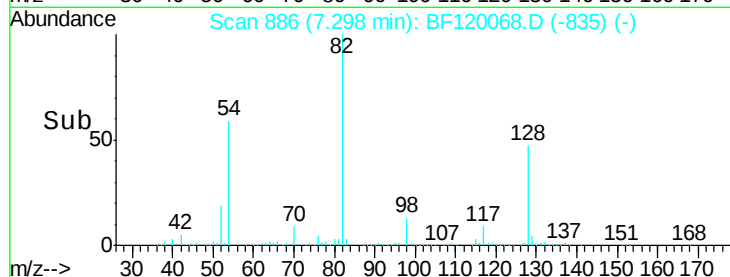
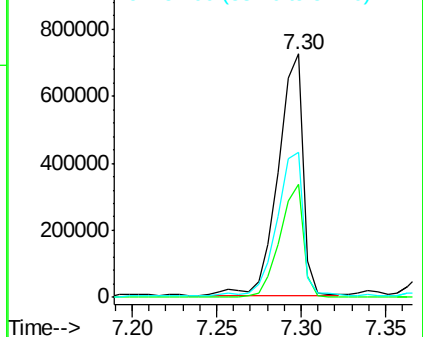
#23
Nitrobenzene-d5
Concen: 64.312 ng
RT: 7.30 min Scan# 886
Delta R.T. -0.00 min
Lab File: BF120068.D
Acq: 17 Apr 2020 19:21

Instrument :
BNA_F
ClientSampleId :

Tot Ion: 82 Resp: 741776
Ion Ratio Lower Upper
82 100
128 46.5 36.2 54.4
54 59.4 50.4 75.6

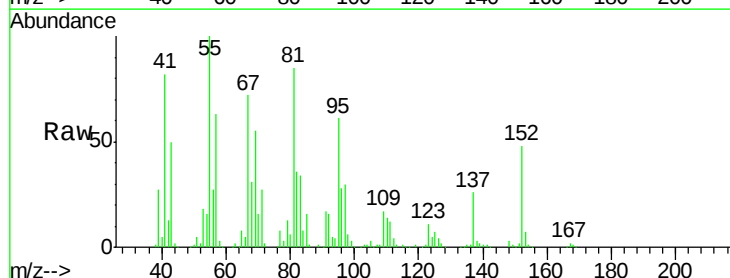


Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): BF1
Ion 54.00 (53.70 to 54.70): BF1

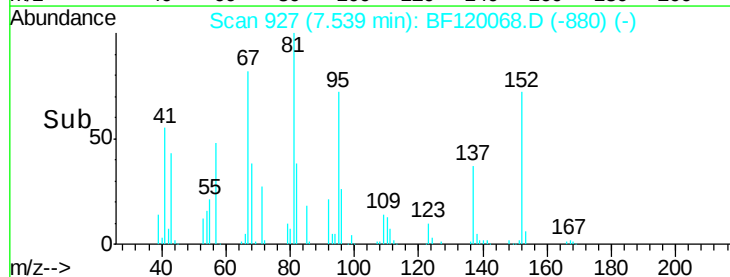
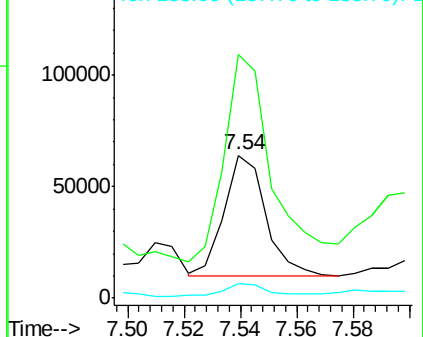


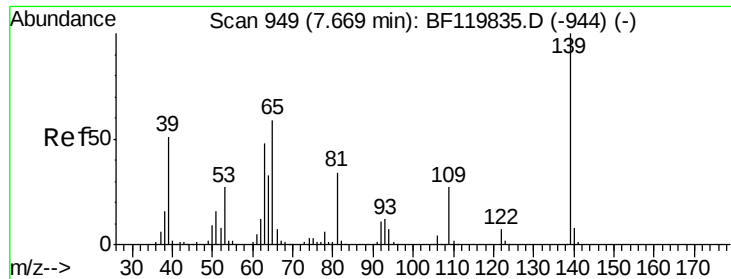
#25
Isophorone
Concen: 2.469 ng
RT: 7.54 min Scan# 927
Delta R.T. -0.02 min
Lab File: BF120068.D
Acq: 17 Apr 2020 19:21

Tgt Ion: 82 Resp: 54899
Ion Ratio Lower Upper
82 100
95 170.1 5.8 8.6#
138 9.7 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

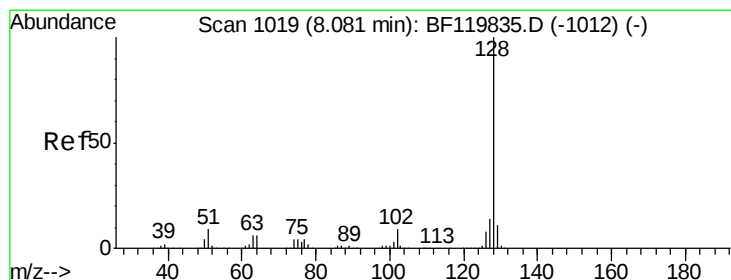
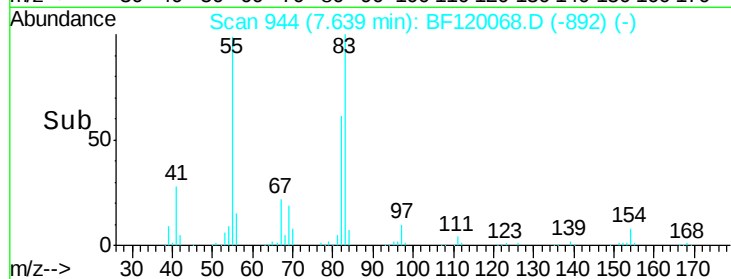
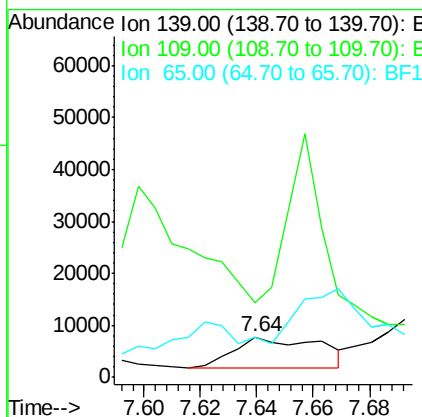
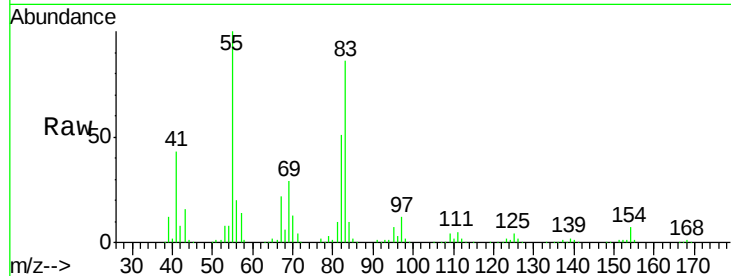




#26
2-Nitrophenol
Concen: 2.074 ng
RT: 7.64 min Scan# 944
Delta R.T. 0.01 min
Lab File: BF120068.D
Acq: 17 Apr 2020 19:21

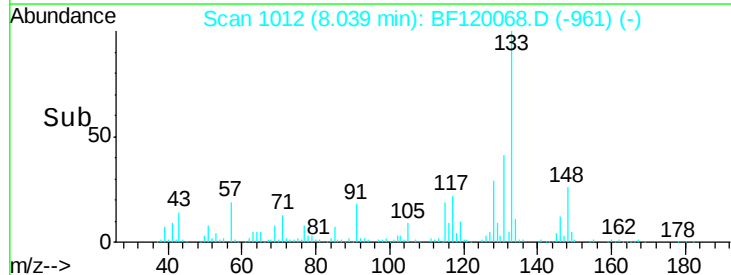
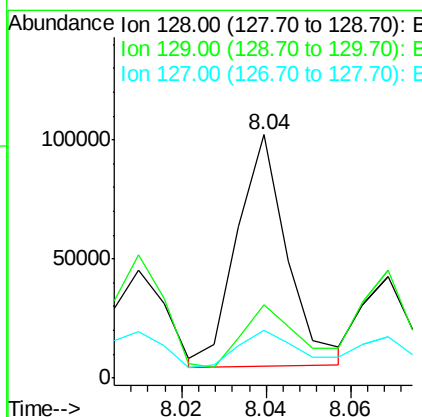
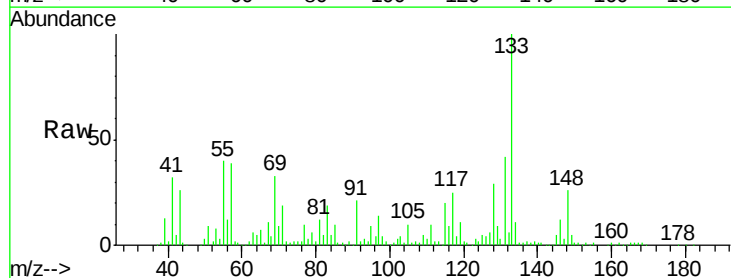
Instrument :
BNA_F
ClientSampleId :

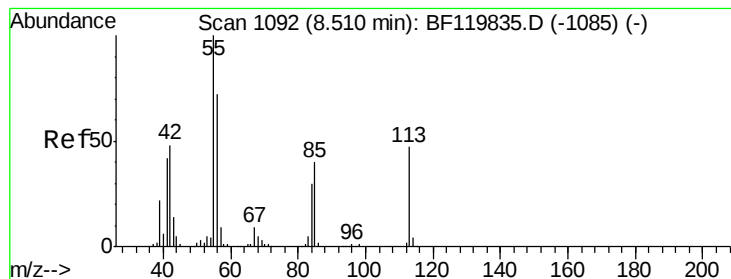
Tot Ion:139 Resp: 12024
Ion Ratio Lower Upper
139 100
109 185.8 21.8 32.6#
65 99.2 47.0 70.4#



#31
Naphthalene
Concen: 2.561 ng
RT: 8.04 min Scan# 1012
Delta R.T. 0.00 min
Lab File: BF120068.D
Acq: 17 Apr 2020 19:21

Tgt Ion:128 Resp: 80412
Ion Ratio Lower Upper
128 100
129 30.4 9.0 13.6#
127 19.4 11.0 16.4#





#35

Caprolactam

Concen: 6.154 ng

RT: 8.49 min Scan# 1089

Delta R.T. 0.01 min

Lab File: BF120068.D

Acq: 17 Apr 2020 19:21

Instrument :

BNA_F

ClientSampleId :

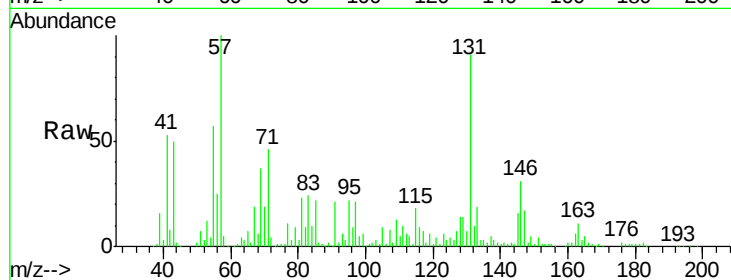
Tot Ion:113 Resp: 16869

Ion Ratio Lower Upper

113 100

55 1075.7 192.7 232.7#

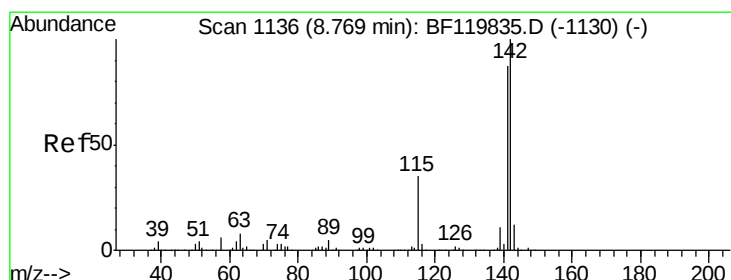
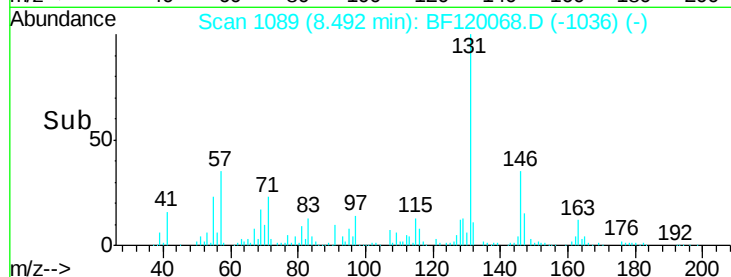
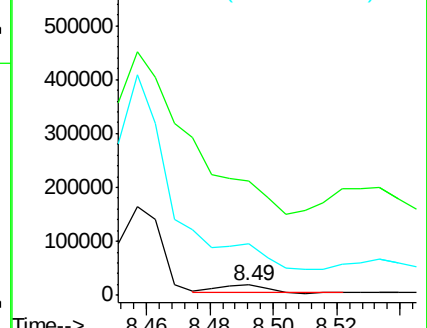
56 482.6 133.3 173.3#



Abundance Ion 113.00 (112.70 to 113.70): E

Ion 55.00 (54.70 to 55.70): BF1

Ion 56.00 (55.70 to 56.70): BF1



#37

2-Methylnaphthalene

Concen: 2.778 ng

RT: 8.74 min Scan# 1131

Delta R.T. 0.01 min

Lab File: BF120068.D

Acq: 17 Apr 2020 19:21

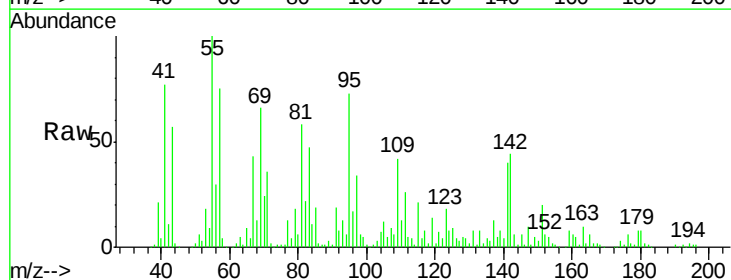
Tgt Ion:142 Resp: 59133

Ion Ratio Lower Upper

142 100

141 91.0 69.9 104.9

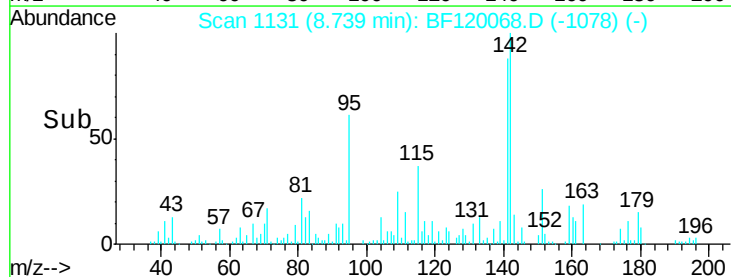
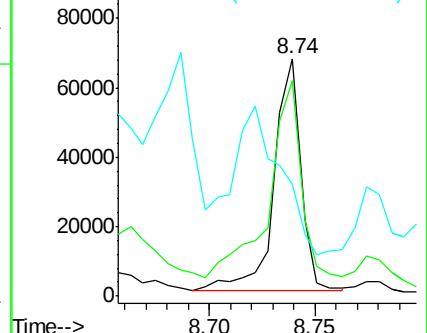
115 47.2 28.0 42.0#

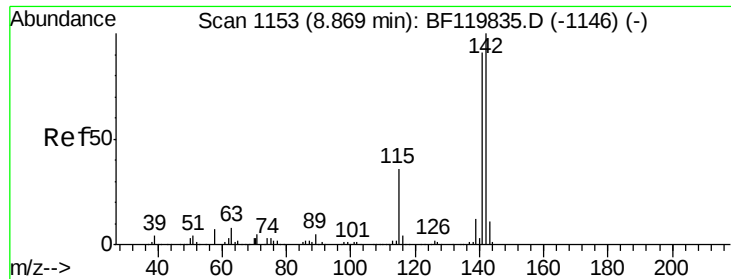


Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E

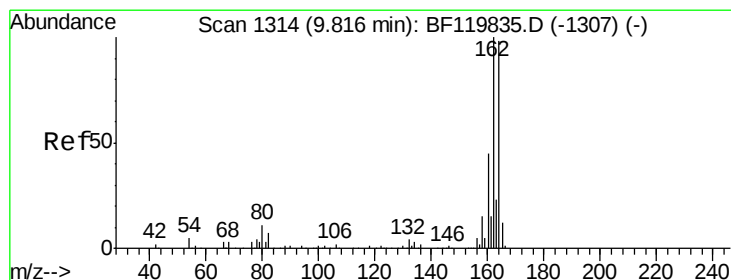
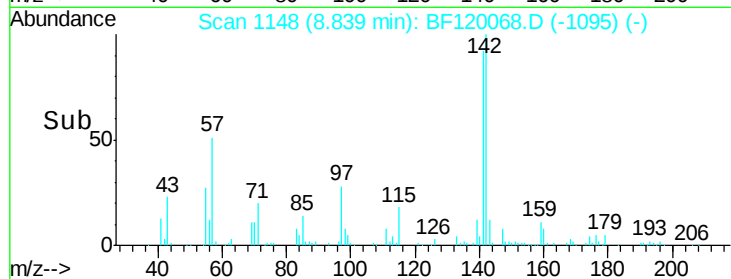
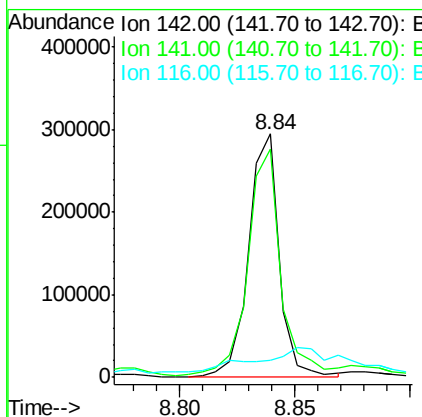
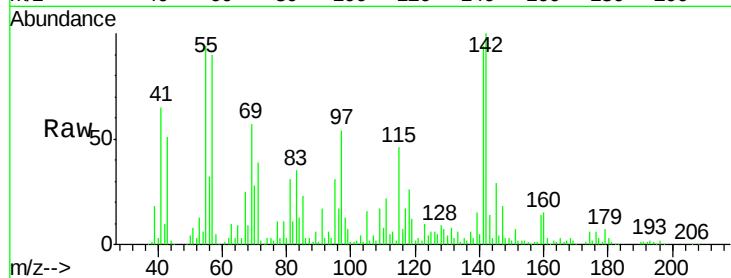




#38
1-Methylnaphthalene
Concen: 13.498 ng
RT: 8.84 min Scan# 1148
Delta R.T. 0.01 min
Lab File: BF120068.D
Acq: 17 Apr 2020 19:21

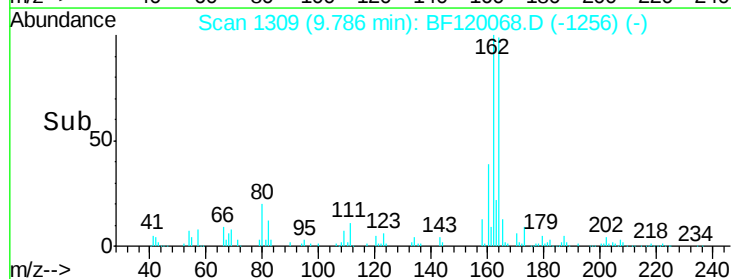
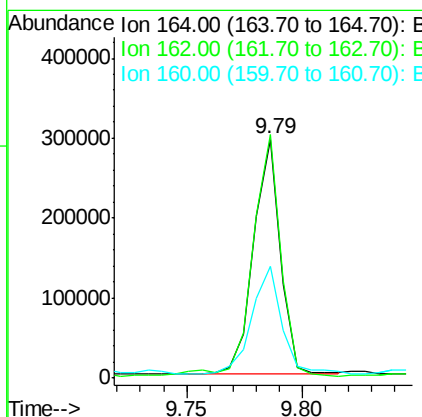
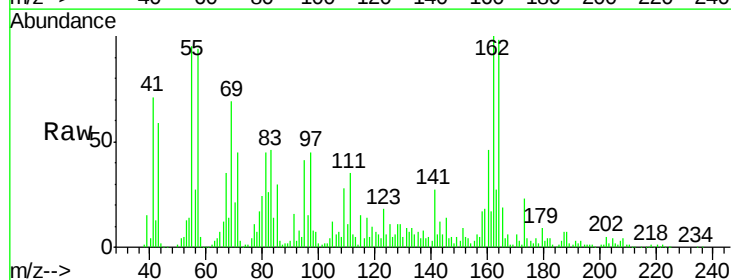
Instrument :
BNA_F
ClientSampleId :

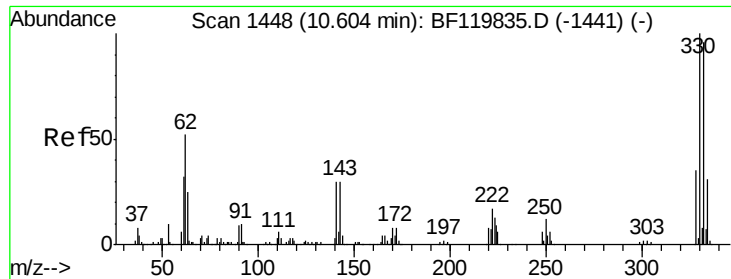
Tot Ion:142 Resp: 270777
Ion Ratio Lower Upper
142 100
141 94.0 72.9 109.3
116 6.8 3.0 4.6#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.79 min Scan# 1309
Delta R.T. 0.01 min
Lab File: BF120068.D
Acq: 17 Apr 2020 19:21

Tgt Ion:164 Resp: 240676
Ion Ratio Lower Upper
164 100
162 102.1 81.9 122.9
160 46.8 36.6 54.8

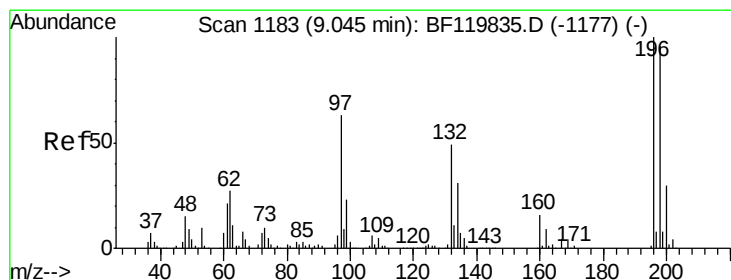
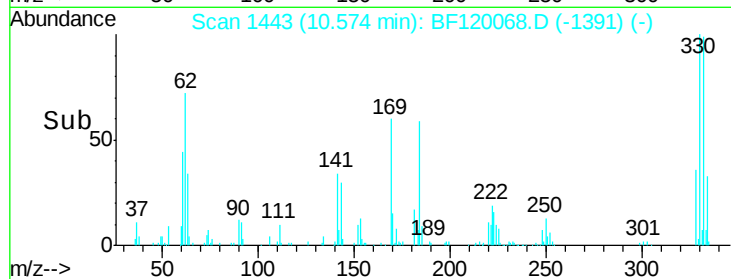
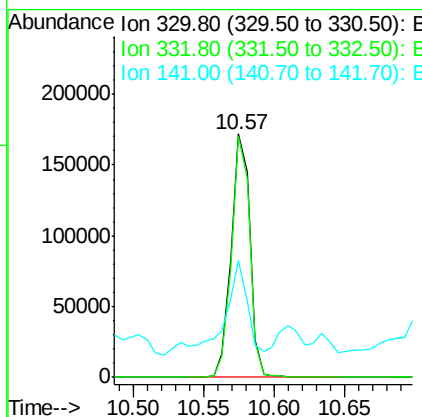
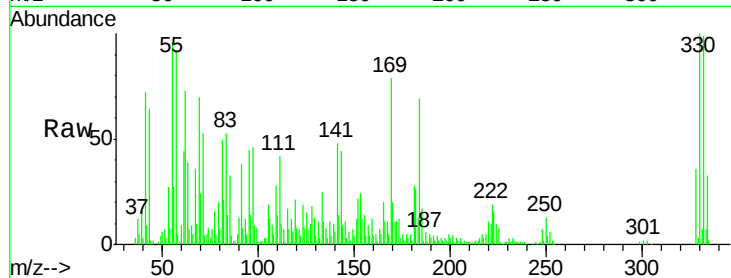




#42
 2,4,6-Tribromophenol
 Concen: 53.994 ng
 RT: 10.57 min Scan# 1443
 Delta R.T. 0.01 min
 Lab File: BF120068.D
 Acq: 17 Apr 2020 19:21

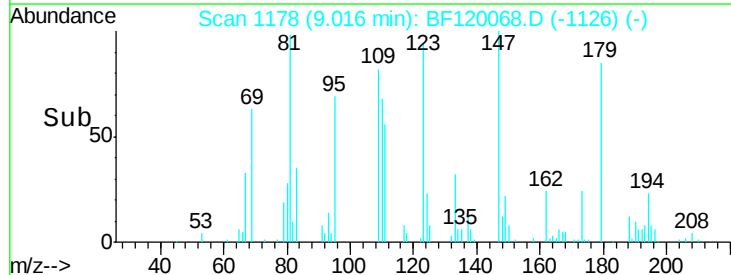
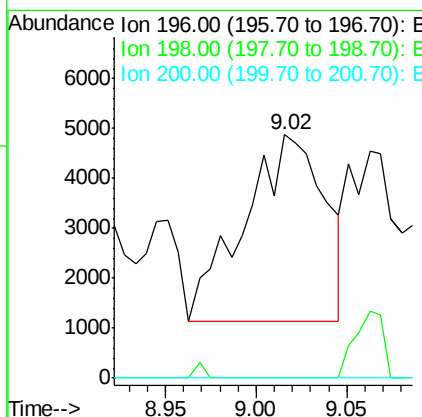
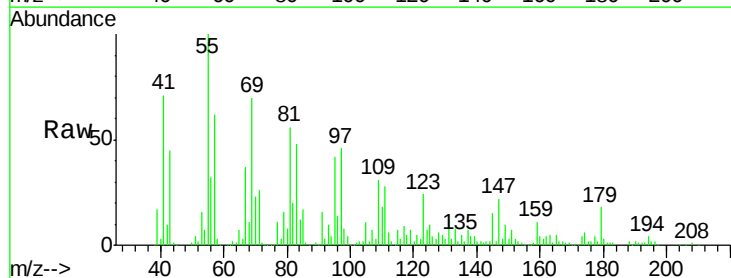
Instrument :
 BNA_F
 ClientSampleId :

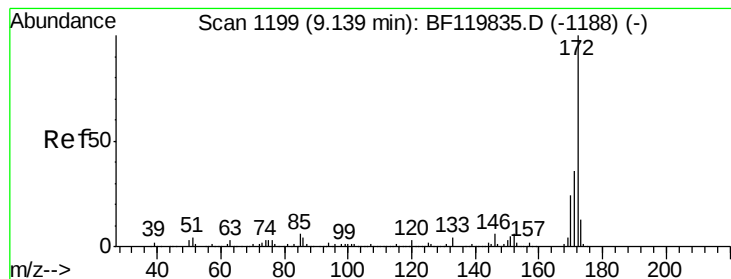
Tot Ion:330 Resp: 159105
 Ion Ratio Lower Upper
 330 100
 332 96.0 76.8 115.2
 141 49.7 25.1 37.7#



#43
 2,4,6-Trichlorophenol
 Concen: 2.203 ng
 RT: 9.02 min Scan# 1178
 Delta R.T. 0.01 min
 Lab File: BF120068.D
 Acq: 17 Apr 2020 19:21

Tgt Ion:196 Resp: 11564
 Ion Ratio Lower Upper
 196 100
 198 0.0 76.6 115.0#
 200 0.0 24.2 36.2#





#45

2-Fluorobiphenyl

Concen: 72.519 ng

RT: 9.10 min Scan# 1193

Delta R.T. 0.01 min

Lab File: BF120068.D

Acq: 17 Apr 2020 19:21

Instrument :

BNA_F

ClientSampleId :

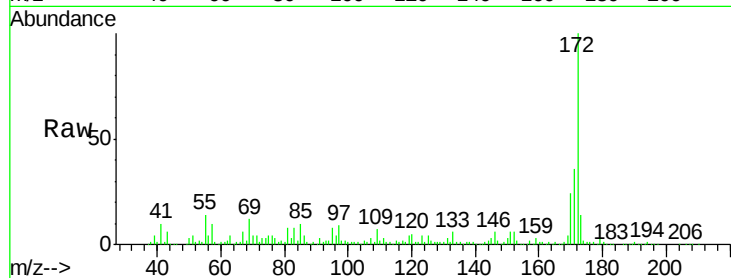
Tot Ion:172 Resp: 1229316

Ion Ratio Lower Upper

172 100

171 35.6 28.9 43.3

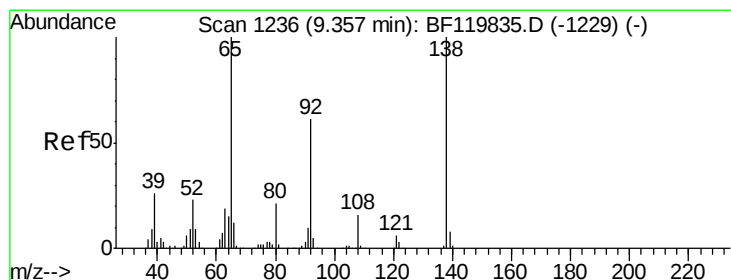
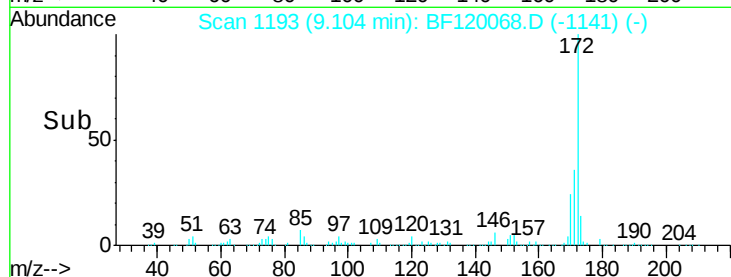
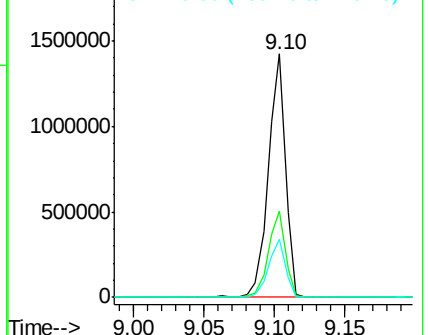
170 23.6 19.4 29.2



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



#48

2-Nitroaniline

Concen: 3.019 ng

RT: 9.38 min Scan# 1240

Delta R.T. 0.06 min

Lab File: BF120068.D

Acq: 17 Apr 2020 19:21

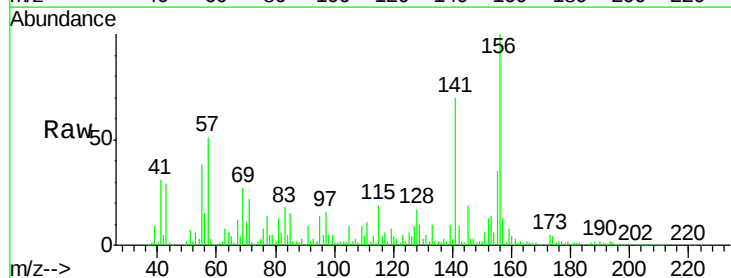
Tgt Ion: 65 Resp: 17123

Ion Ratio Lower Upper

65 100

92 36.4 49.0 73.6#

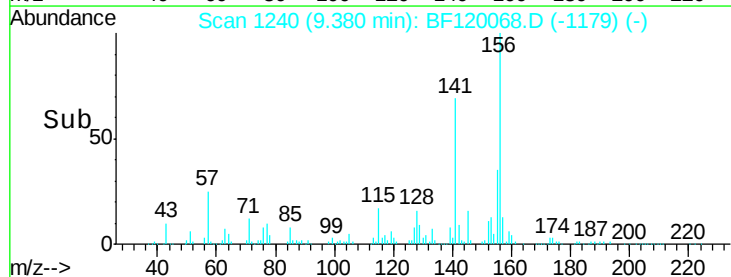
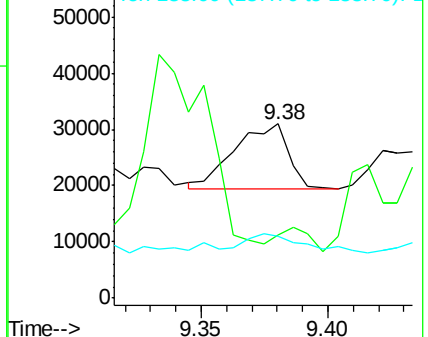
138 35.3 79.7 119.5#

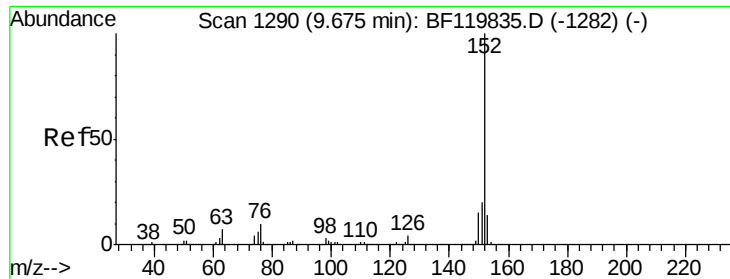


Abundance Ion 65.00 (64.70 to 65.70): BF1

Ion 92.00 (91.70 to 92.70): BF1

Ion 138.00 (137.70 to 138.70): E





#49

Acenaphthylene

Concen: 2.669 ng

RT: 9.65 min Scan# 1285

Delta R.T. 0.01 min

Lab File: BF120068.D

Acq: 17 Apr 2020 19:21

Instrument :

BNA_F

ClientSampled :

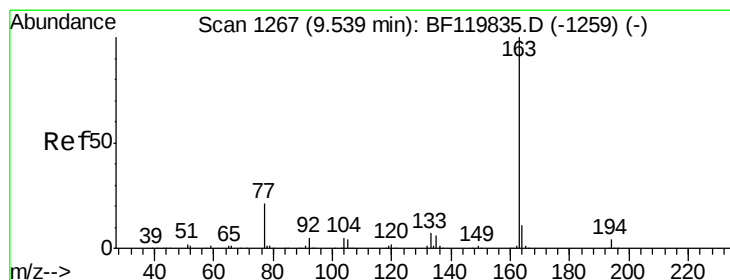
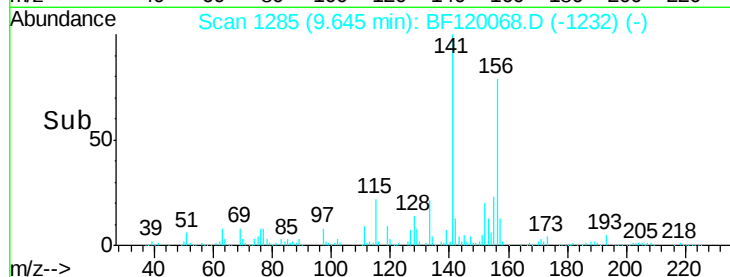
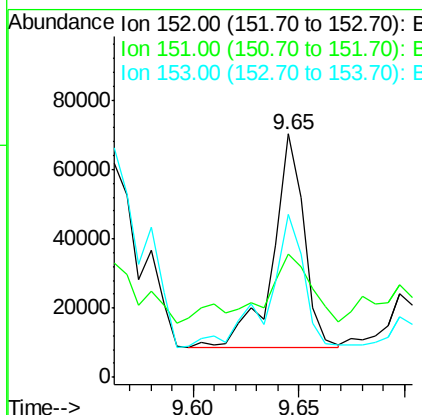
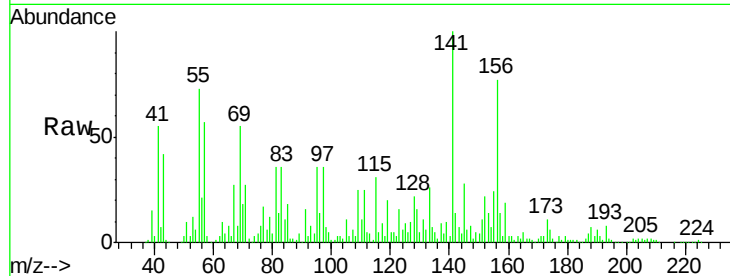
Tot Ion:152 Resp: 63529

Ion Ratio Lower Upper

152 100

151 50.6 16.2 24.4#

153 67.1 10.9 16.3#



#50

Dimethylphthalate

Concen: 4.920 ng

RT: 9.50 min Scan# 1260

Delta R.T. -0.01 min

Lab File: BF120068.D

Acq: 17 Apr 2020 19:21

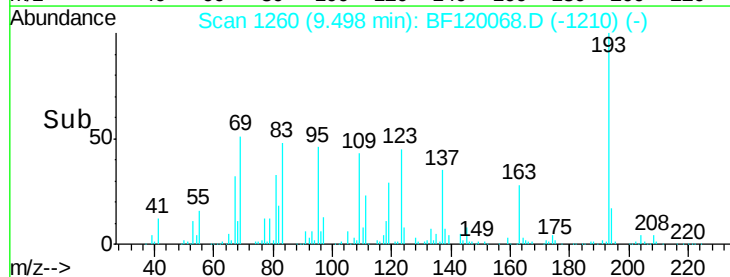
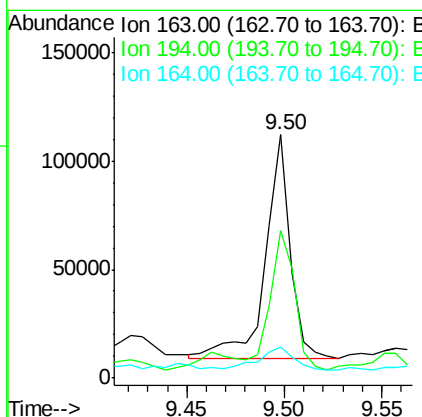
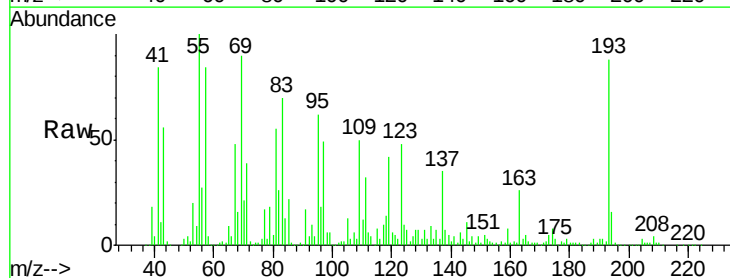
Tgt Ion:163 Resp: 91591

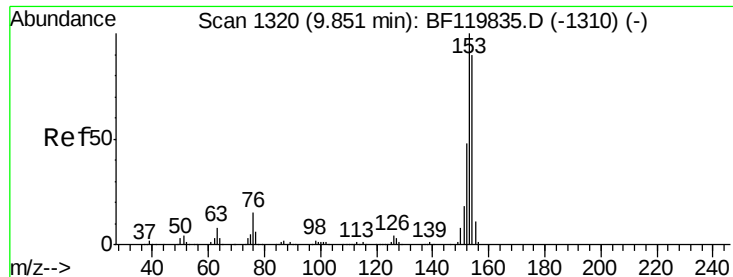
Ion Ratio Lower Upper

163 100

194 60.8 3.0 4.4#

164 12.6 8.4 12.6#





#52

Acenaphthene

Concen: 4.605 ng

RT: 9.82 min Scan# 1314

Delta R.T. 0.01 min

Lab File: BF120068.D

Acq: 17 Apr 2020 19:21

Instrument :

BNA_F

ClientSampleId :

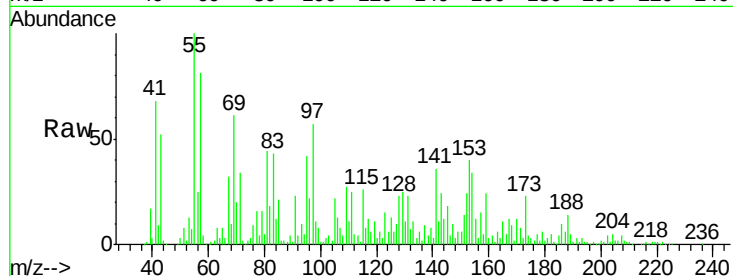
Tot Ion:154 Resp: 73103

Ion Ratio Lower Upper

154 100

153 117.6 88.8 133.2

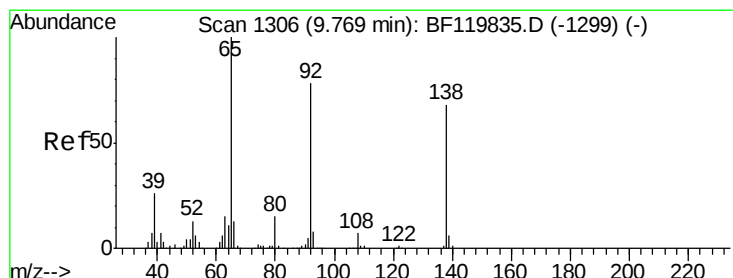
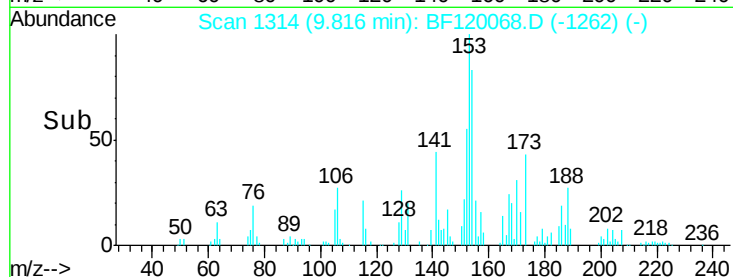
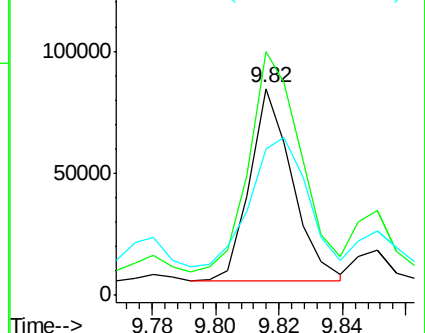
152 70.8 42.4 63.6#



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E



#53

3-Nitroaniline

Concen: 2.922 ng

RT: 9.73 min Scan# 1300

Delta R.T. -0.00 min

Lab File: BF120068.D

Acq: 17 Apr 2020 19:21

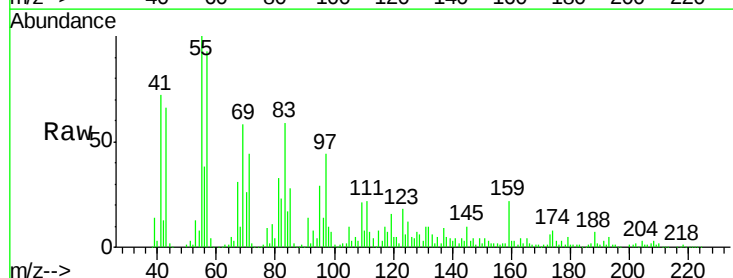
Tgt Ion:138 Resp: 13604

Ion Ratio Lower Upper

138 100

108 64.3 8.0 12.0#

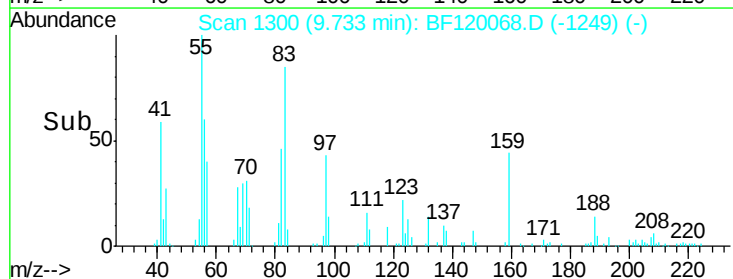
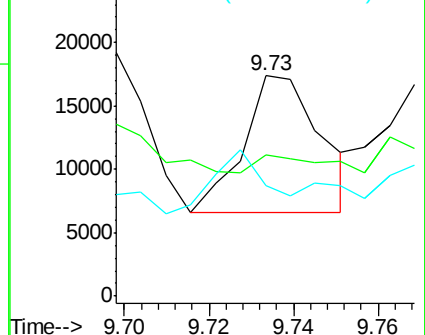
92 49.9 92.1 138.1#

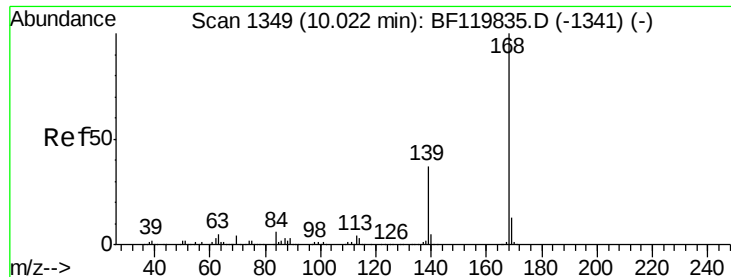


Abundance Ion 138.00 (137.70 to 138.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 92.00 (91.70 to 92.70): BF1





#55

Dibenzofuran

Concen: 3.046 ng

RT: 9.99 min Scan# 1343

Delta R.T. 0.01 min

Lab File: BF120068.D

Acq: 17 Apr 2020 19:21

Instrument :

BNA_F

ClientSampled :

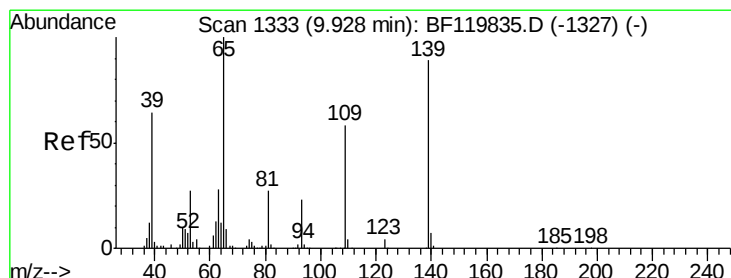
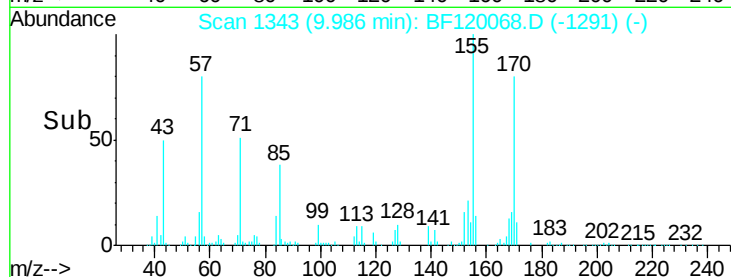
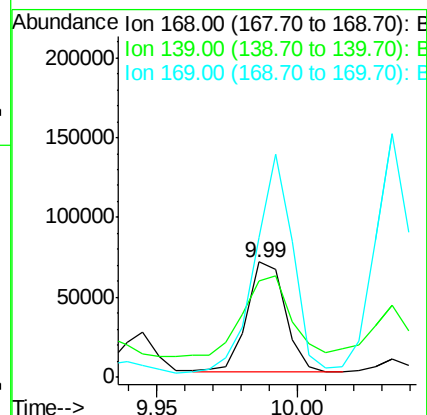
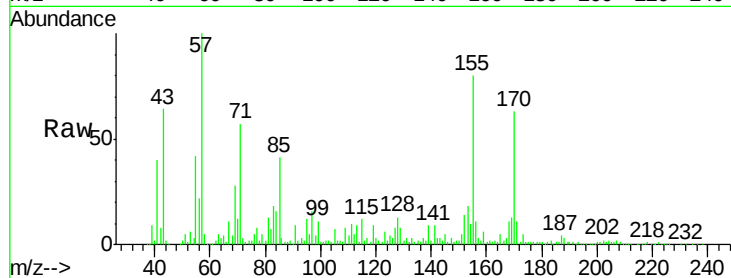
Tot Ion:168 Resp: 66357

Ion Ratio Lower Upper

168 100

139 83.2 29.8 44.6#

169 121.8 10.6 15.8#



#56

4-Nitrophenol

Concen: 15.840 ng

RT: 9.89 min Scan# 1327

Delta R.T. -0.01 min

Lab File: BF120068.D

Acq: 17 Apr 2020 19:21

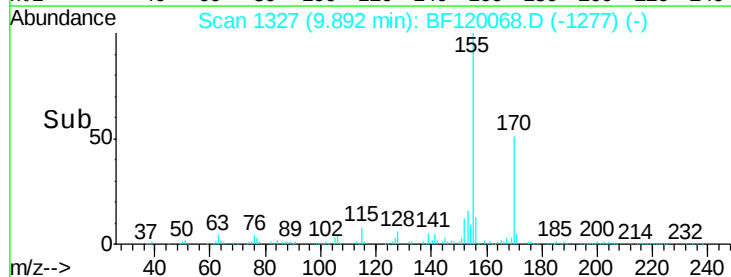
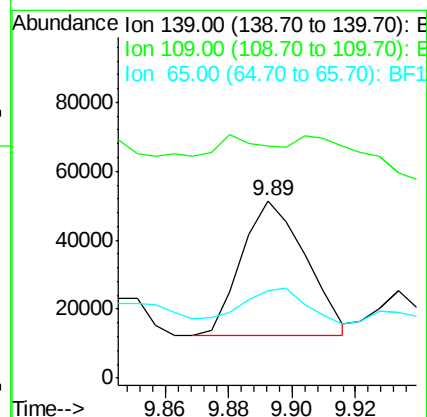
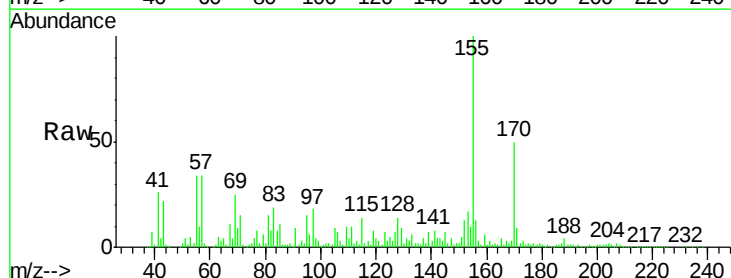
Tgt Ion:139 Resp: 54873

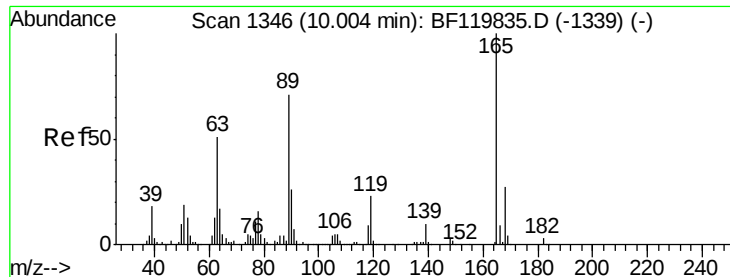
Ion Ratio Lower Upper

139 100

109 130.9 45.5 85.5#

65 49.1 92.3 132.3#





#57

2,4-Dinitrotoluene

Concen: 6.746 ng

RT: 9.99 min Scan# 1344

Delta R.T. 0.02 min

Lab File: BF120068.D

Acq: 17 Apr 2020 19:21

Instrument :

BNA_F

ClientSampleId :

Tot Ion:165 Resp: 36231

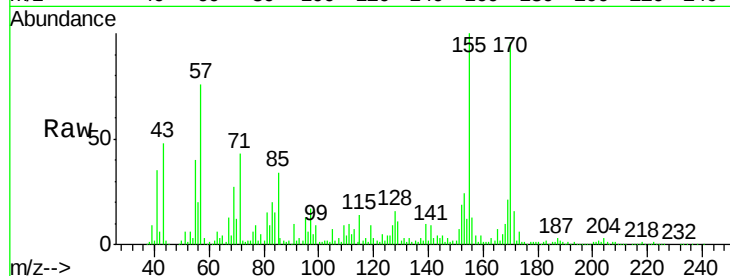
Ion Ratio Lower Upper

165 100

63 88.7 40.8 61.2#

89 35.5 56.9 85.3#

182 18.5 2.0 3.0#

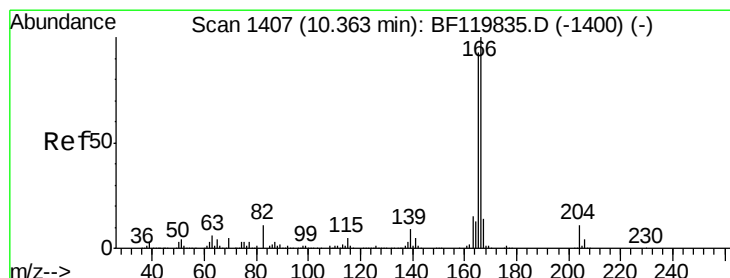
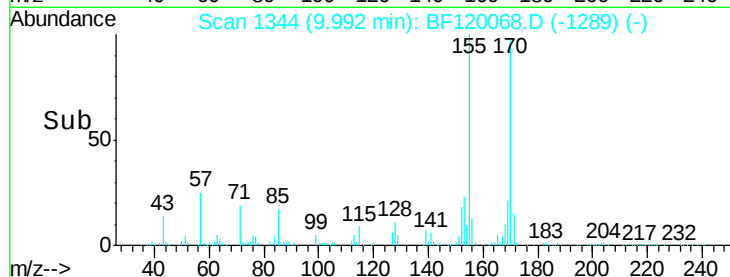
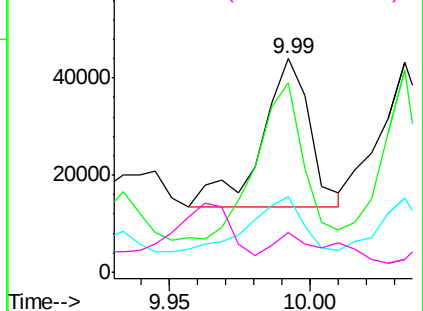


Abundance Ion 165.00 (164.70 to 165.70): E

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



#58

Fluorene

Concen: 8.039 ng

RT: 10.33 min Scan# 1402

Delta R.T. 0.01 min

Lab File: BF120068.D

Acq: 17 Apr 2020 19:21

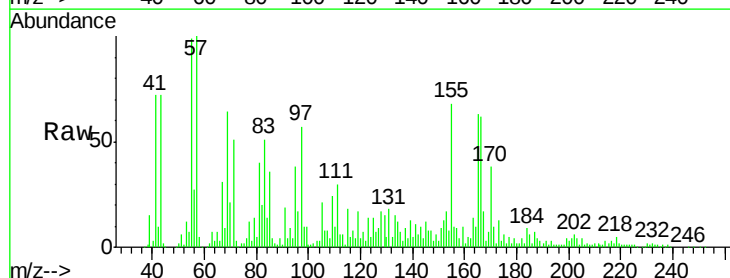
Tgt Ion:166 Resp: 140061

Ion Ratio Lower Upper

166 100

165 101.8 74.2 111.2

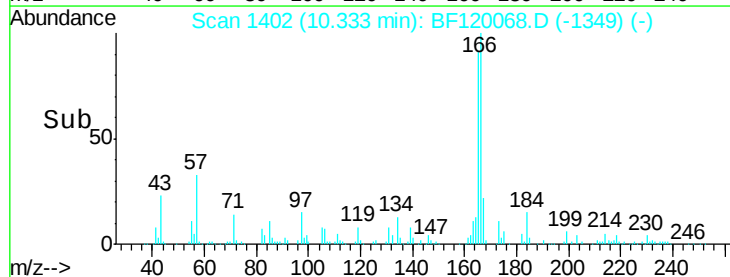
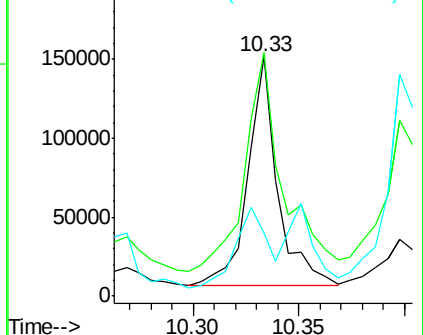
167 26.6 10.8 16.2#

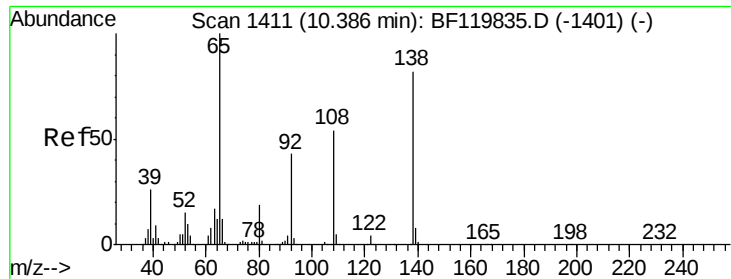


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E

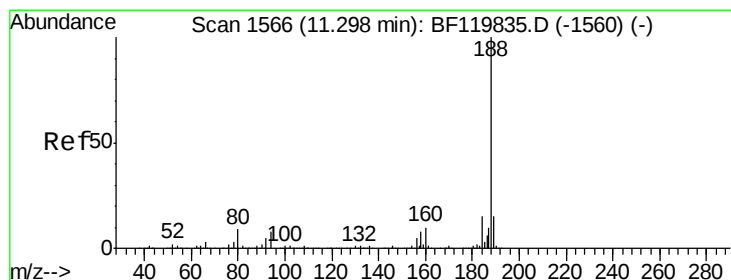
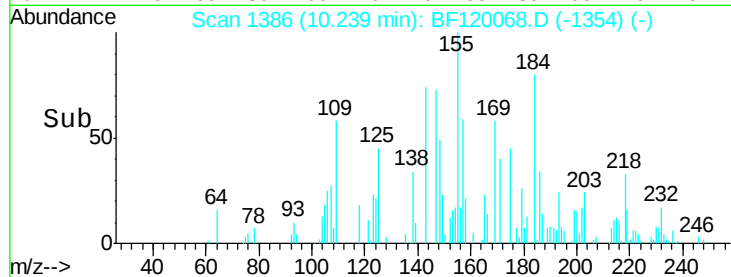
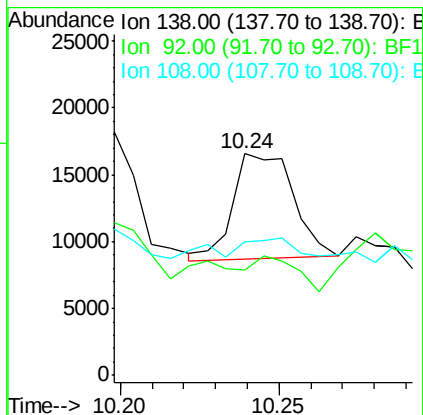
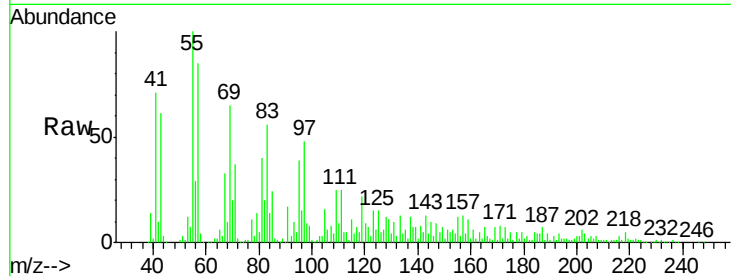




#62
4-Nitroaniline
Concen: 2.321 ng
RT: 10.24 min Scan# 1386
Delta R.T. -0.11 min
Lab File: BF120068.D
Acq: 17 Apr 2020 19:21

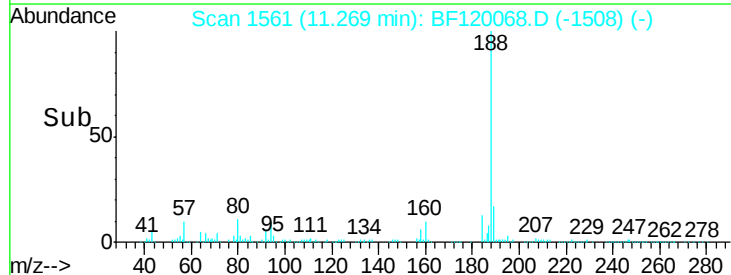
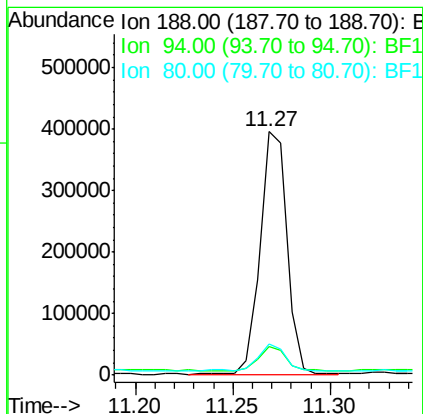
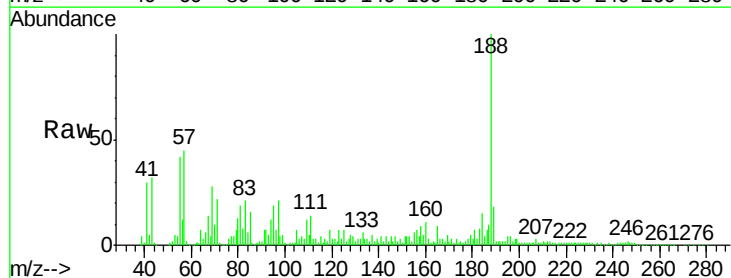
Instrument :
BNA_F
ClientSampled :

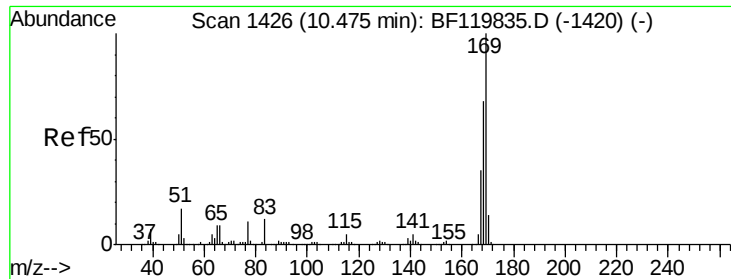
Tot Ion:138 Resp: 10300
Ion Ratio Lower Upper
138 100
92 47.3 31.6 71.6
108 60.4 45.2 85.2



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.27 min Scan# 1561
Delta R.T. 0.01 min
Lab File: BF120068.D
Acq: 17 Apr 2020 19:21

Tgt Ion:188 Resp: 373194
Ion Ratio Lower Upper
188 100
94 11.6 6.7 10.1#
80 13.0 7.4 11.2#

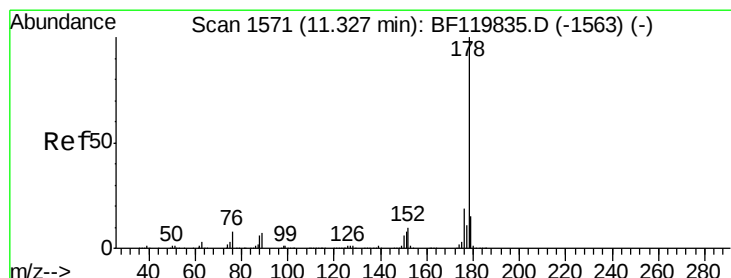
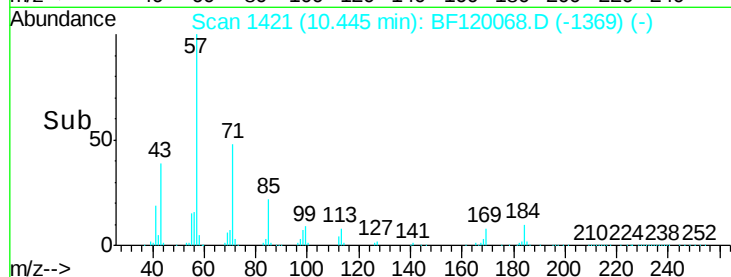
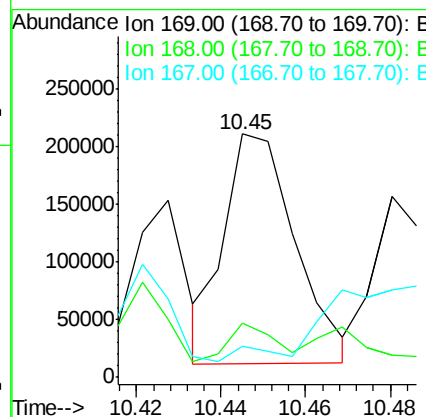
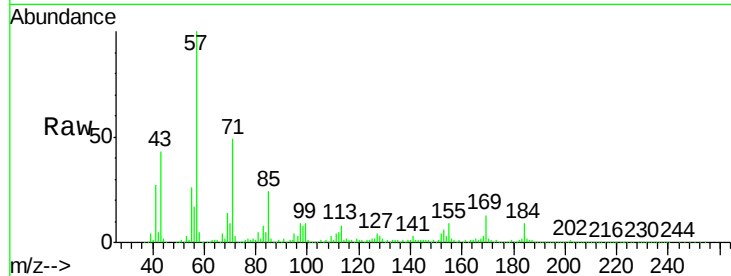




#66
n-Nitrosodiphenylamine
Concen: 18.868 ng
RT: 10.45 min Scan# 1421
Delta R.T. 0.01 min
Lab File: BF120068.D
Acq: 17 Apr 2020 19:21

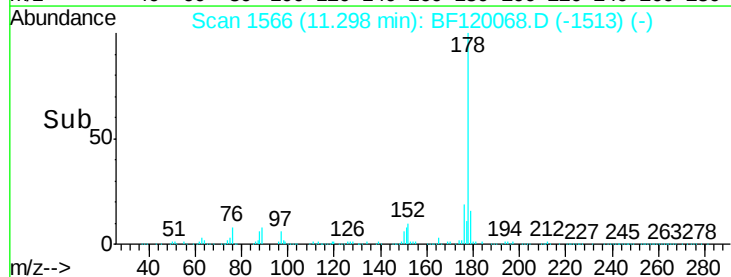
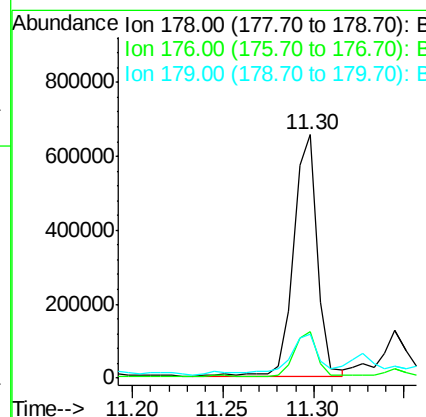
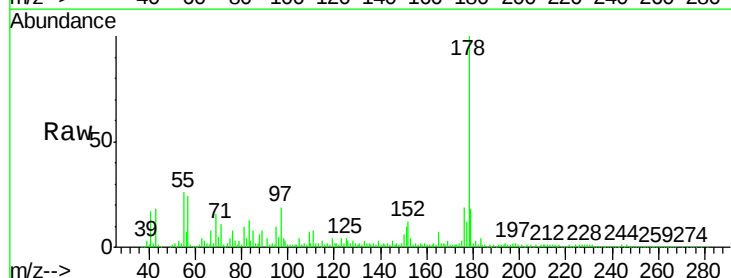
Instrument :
BNA_F
ClientSampled :

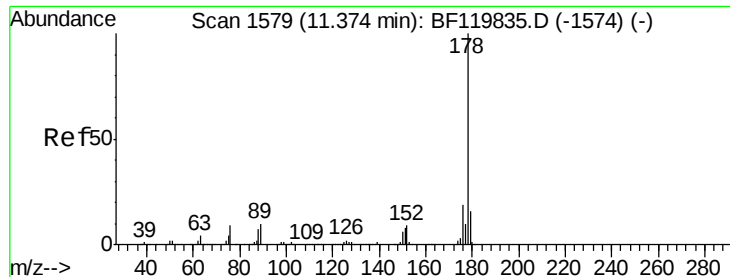
Tot Ion:169 Resp: 234173
Ion Ratio Lower Upper
169 100
168 22.2 54.2 81.4#
167 13.0 28.3 42.5#



#71
Phenanthrene
Concen: 30.033 ng
RT: 11.30 min Scan# 1566
Delta R.T. 0.01 min
Lab File: BF120068.D
Acq: 17 Apr 2020 19:21

Tgt Ion:178 Resp: 596513
Ion Ratio Lower Upper
178 100
176 19.1 15.1 22.7
179 18.0 12.2 18.4





#72

Anthracene

Concen: 29.399 ng

RT: 11.30 min Scan# 1566

Delta R.T. -0.04 min

Lab File: BF120068.D

Acq: 17 Apr 2020 19:21

Instrument :

BNA_F

ClientSampleId :

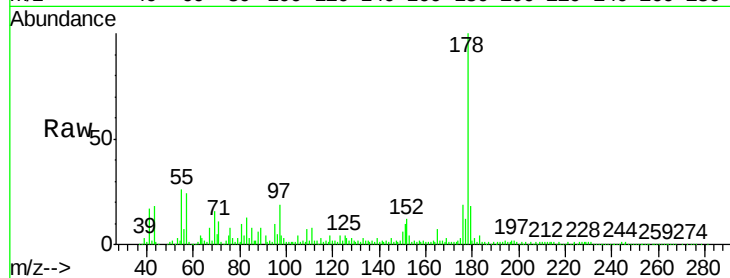
Tot Ion:178 Resp: 596513

Ion Ratio Lower Upper

178 100

176 19.1 15.4 23.2

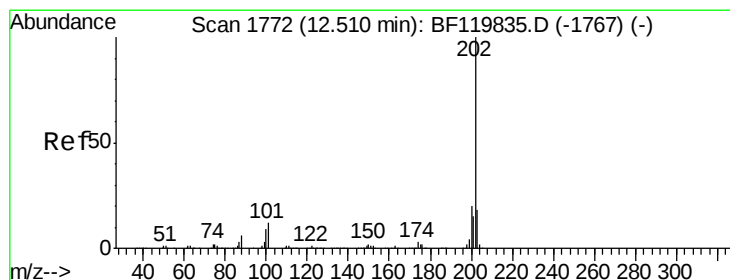
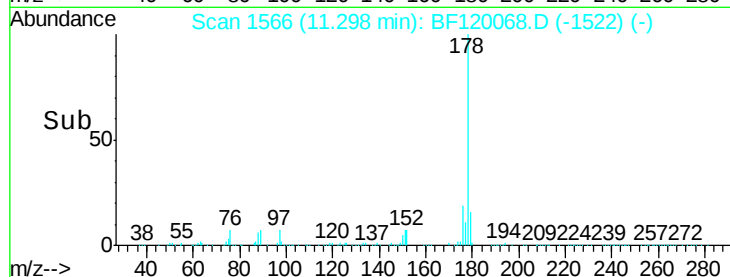
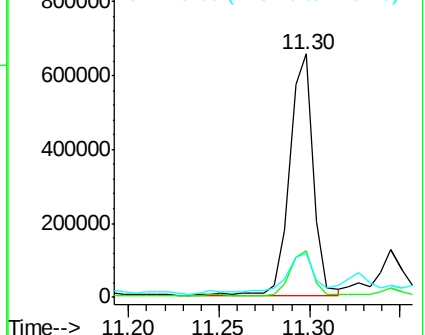
179 18.0 12.8 19.2



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: 29.740 ng

RT: 12.49 min Scan# 1768

Delta R.T. 0.01 min

Lab File: BF120068.D

Acq: 17 Apr 2020 19:21

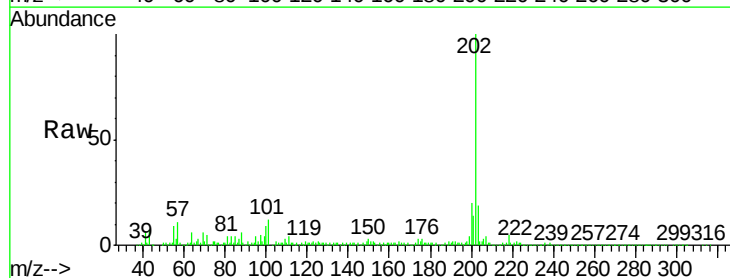
Tgt Ion:202 Resp: 637337

Ion Ratio Lower Upper

202 100

101 11.6 0.0 32.3

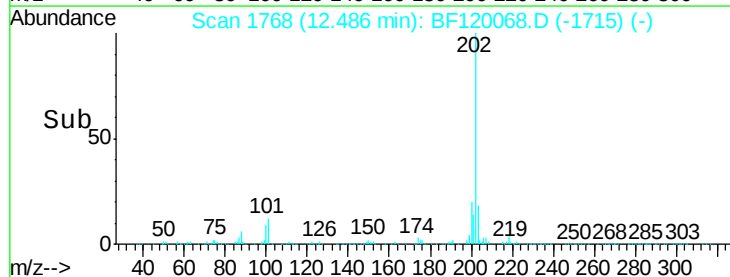
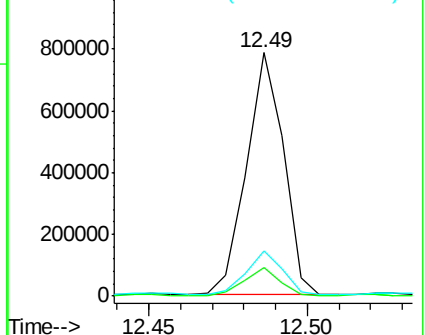
203 18.6 0.0 37.6

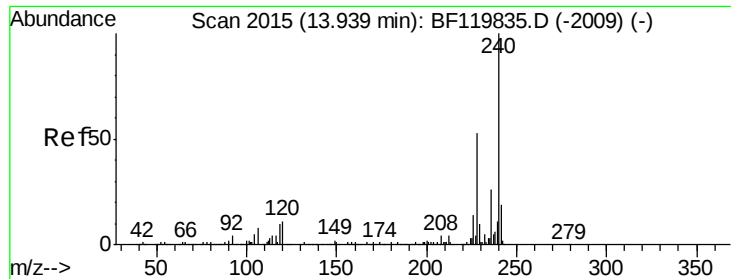


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

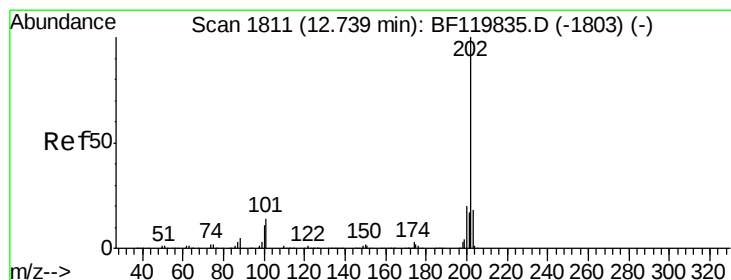
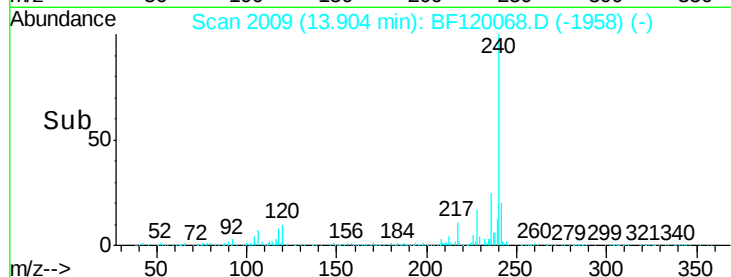
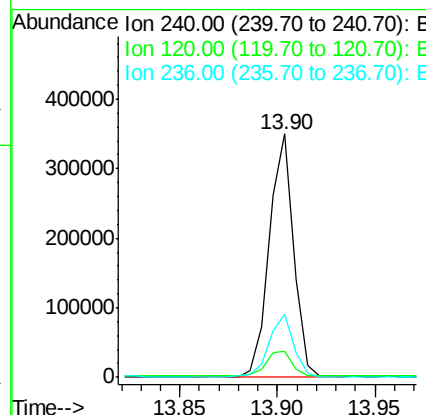
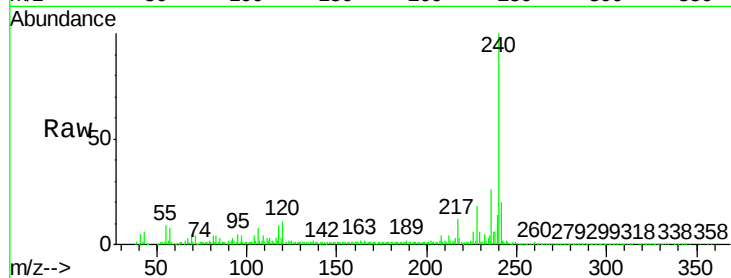




#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 13.90 min Scan# 2009
 Delta R.T. -0.00 min
 Lab File: BF120068.D
 Acq: 17 Apr 2020 19:21

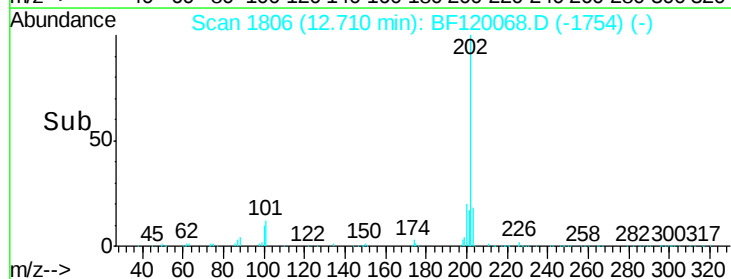
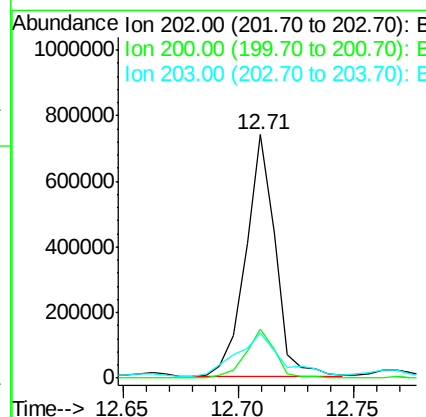
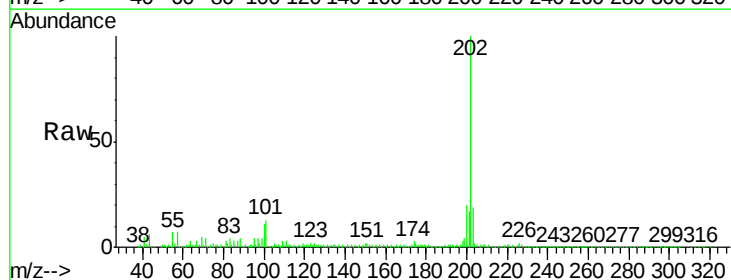
Instrument :
 BNA_F
 ClientSampleId :

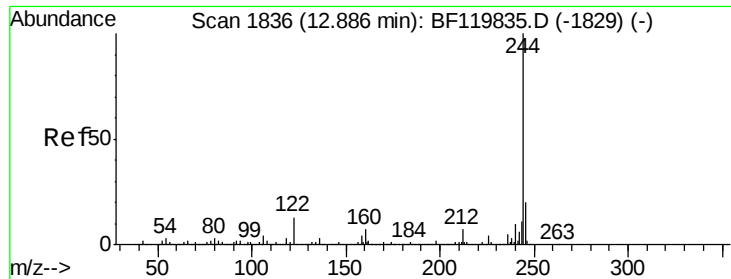
Tot Ion	Ratio	Lower	Upper
240	100		
120	10.8	9.0	13.6
236	25.8	20.7	31.1



#78
 Pyrene
 Concen: 26.002 ng
 RT: 12.71 min Scan# 1806
 Delta R.T. 0.01 min
 Lab File: BF120068.D
 Acq: 17 Apr 2020 19:21

Tgt Ion	Ratio	Lower	Upper
202	100		
200	20.0	16.2	24.2
203	18.6	14.1	21.1





#79

Terphenyl-d14

Concen: 46.176 ng

RT: 12.85 min Scan# 1830

Delta R.T. 0.00 min

Lab File: BF120068.D

Acq: 17 Apr 2020 19:21

Instrument :

BNA_F

ClientSampleId :

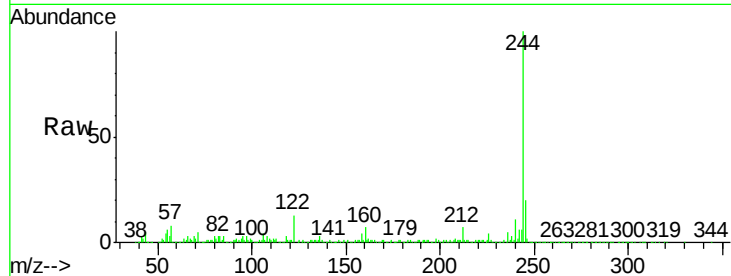
Tot Ion:244 Resp: 824407

Ion Ratio Lower Upper

244 100

212 6.9 5.4 8.0

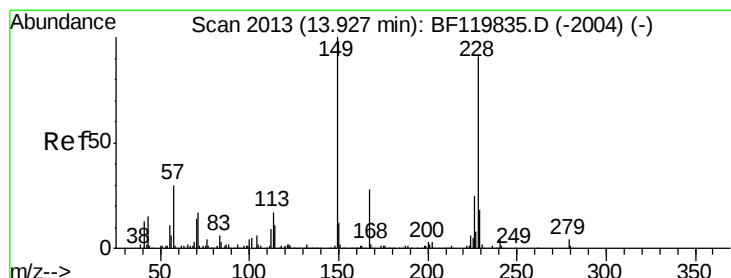
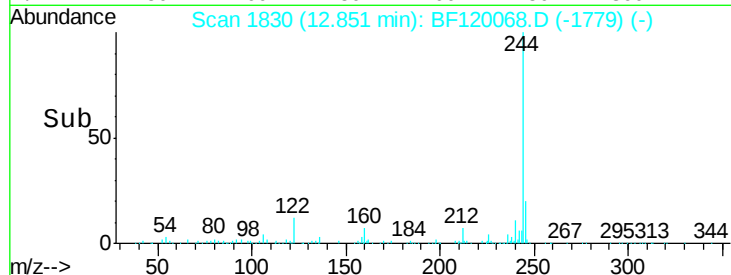
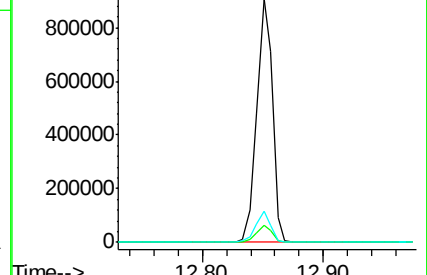
122 12.7 10.3 15.5



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: 18.336 ng

RT: 13.89 min Scan# 2007

Delta R.T. 0.00 min

Lab File: BF120068.D

Acq: 17 Apr 2020 19:21

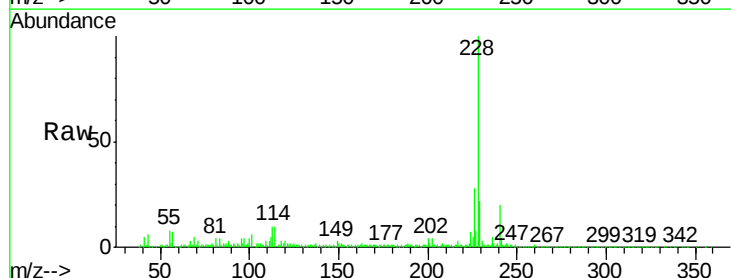
Tgt Ion:228 Resp: 362388

Ion Ratio Lower Upper

228 100

226 28.4 21.9 32.9

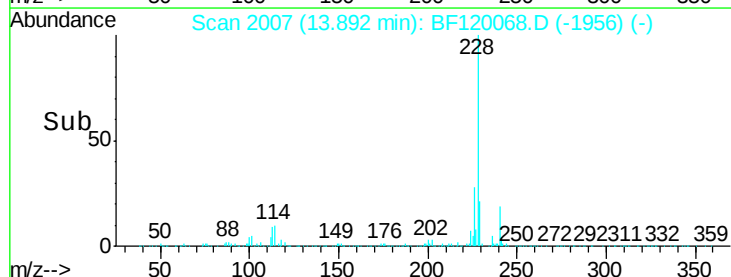
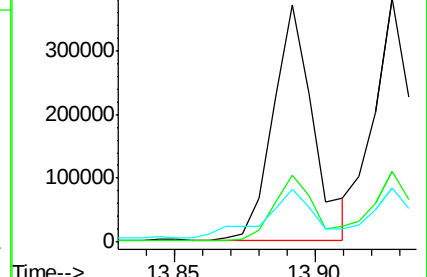
229 22.3 15.9 23.9

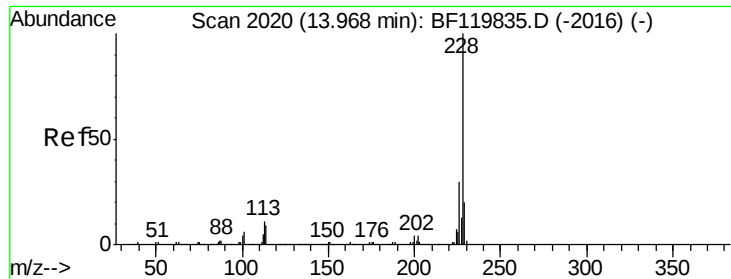


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

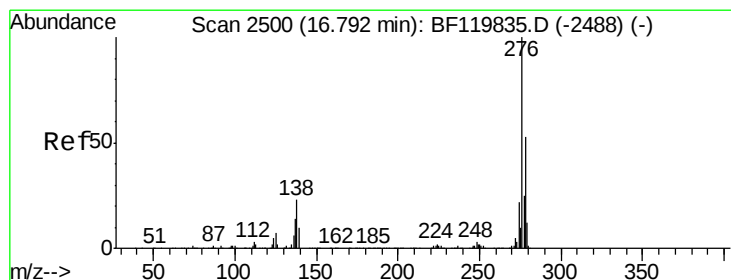
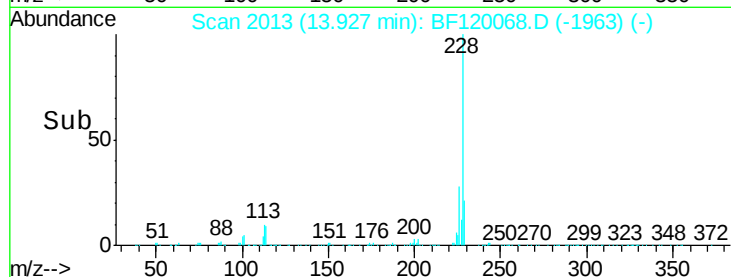
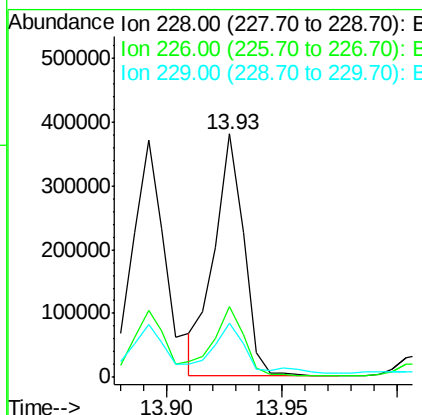
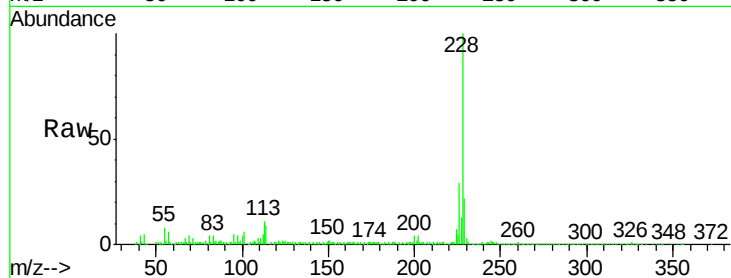




#83
Chrysene
Concen: 16.678 ng
RT: 13.93 min Scan# 2013
Delta R.T. -0.01 min
Lab File: BF120068.D
Acq: 17 Apr 2020 19:21

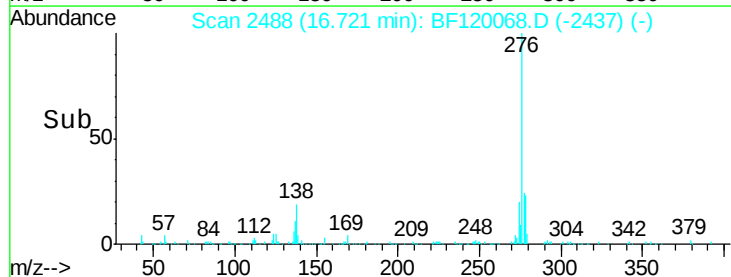
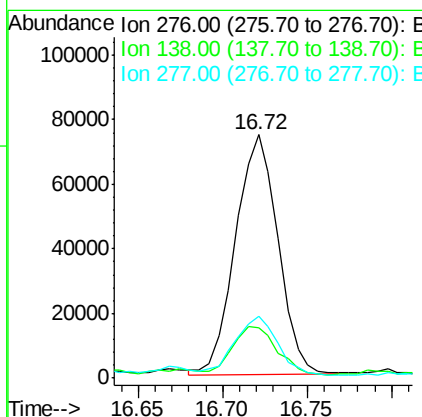
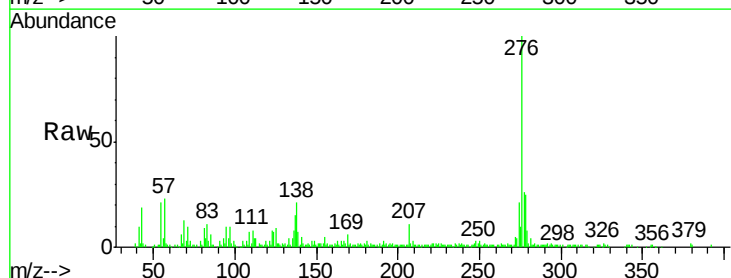
Instrument :
BNA_F
ClientSampleId :

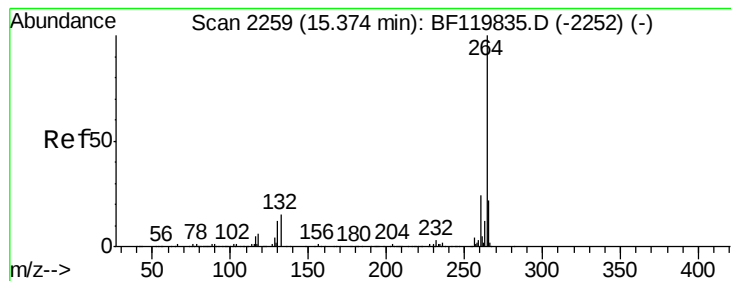
Tot Ion:228 Resp: 334907
Ion Ratio Lower Upper
228 100
226 29.0 24.2 36.2
229 22.5 15.9 23.9



#86
Indeno(1,2,3-cd)pyrene
Concen: 7.339 ng
RT: 16.72 min Scan# 2488
Delta R.T. -0.00 min
Lab File: BF120068.D
Acq: 17 Apr 2020 19:21

Tgt Ion:276 Resp: 129919
Ion Ratio Lower Upper
276 100
138 21.5 18.0 27.0
277 25.1 20.1 30.1

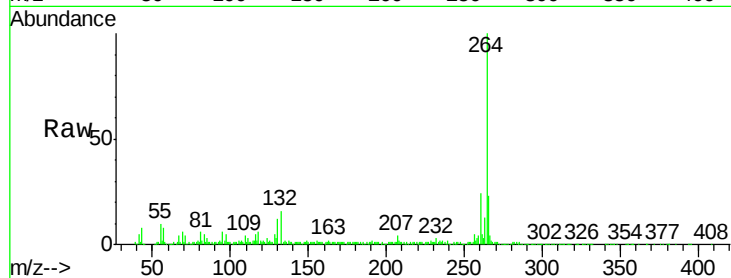




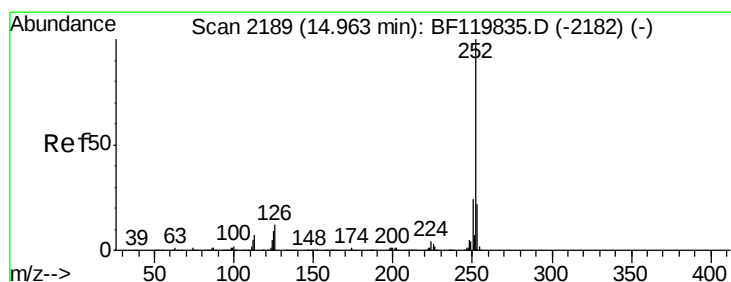
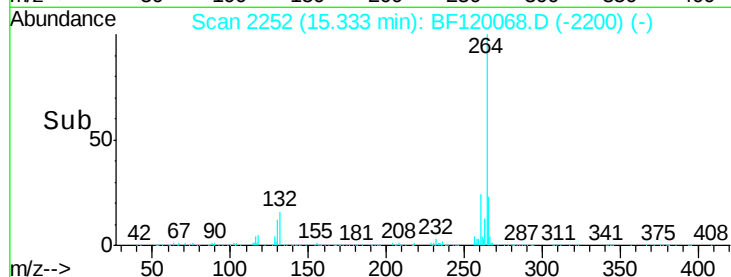
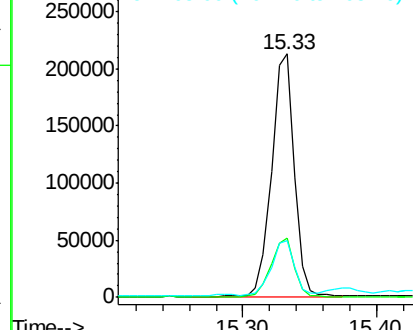
#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.33 min Scan# 2252
Delta R.T. 0.01 min
Lab File: BF120068.D
Acq: 17 Apr 2020 19:21

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.3	19.3	28.9
265	23.5	17.6	26.4

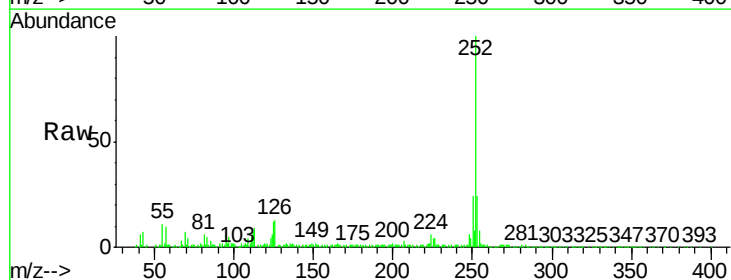


Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E

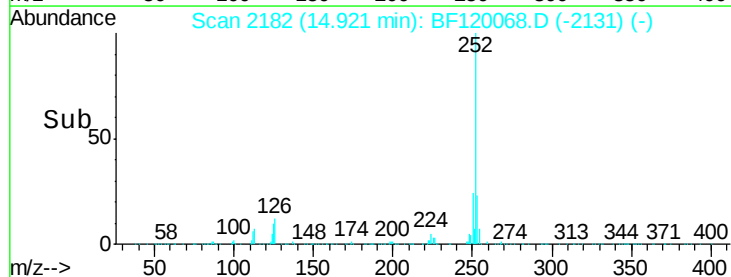
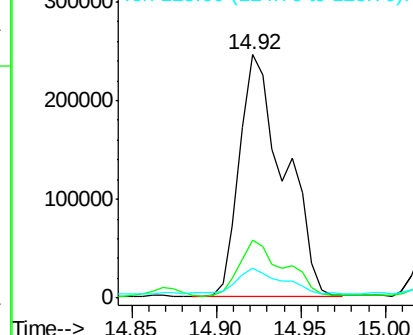


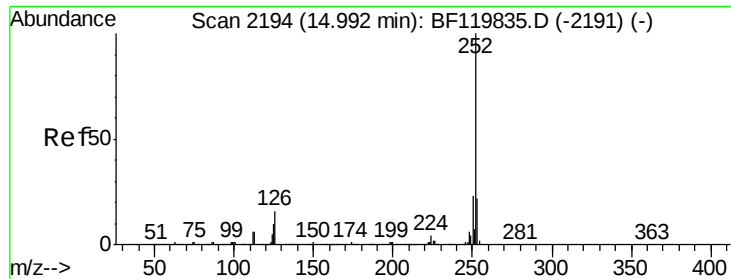
#88
Benzo(b)fluoranthene
Concen: 24.972 ng
RT: 14.92 min Scan# 2182
Delta R.T. -0.00 min
Lab File: BF120068.D
Acq: 17 Apr 2020 19:21

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.6	17.7	26.5
125	12.2	7.4	11.2



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

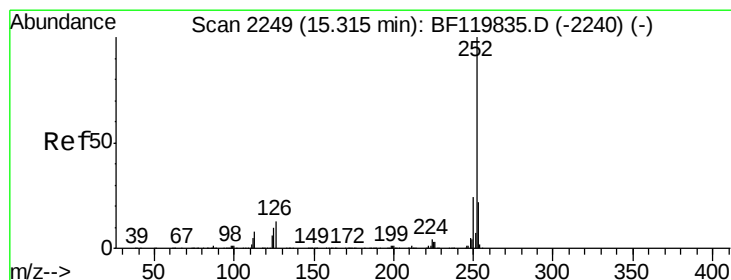
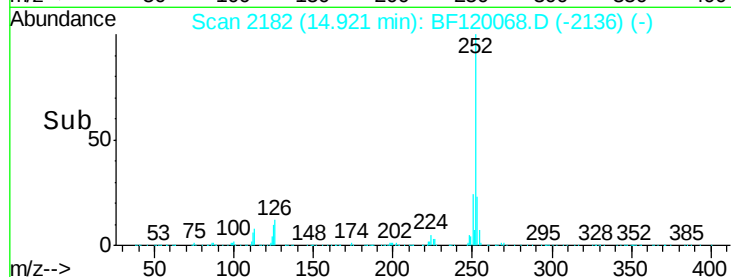
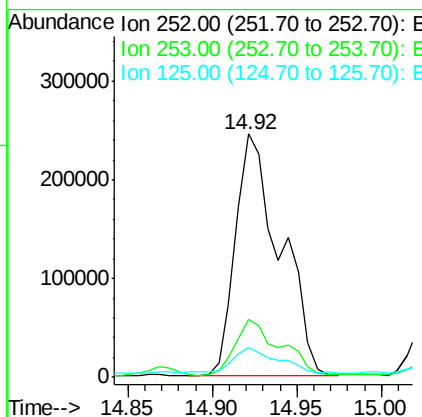
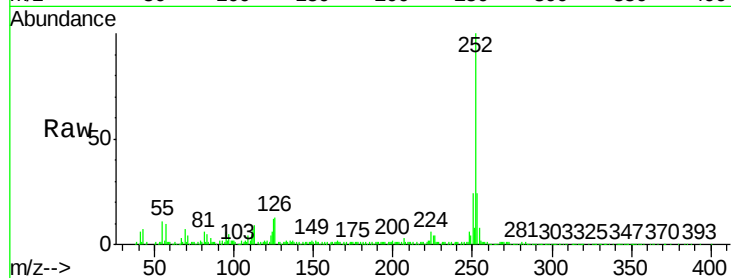




#89
Benzo(k)fluoranthene
Concen: 28.943 ng
RT: 14.92 min Scan# 2182
Delta R.T. -0.03 min
Lab File: BF120068.D
Acq: 17 Apr 2020 19:21

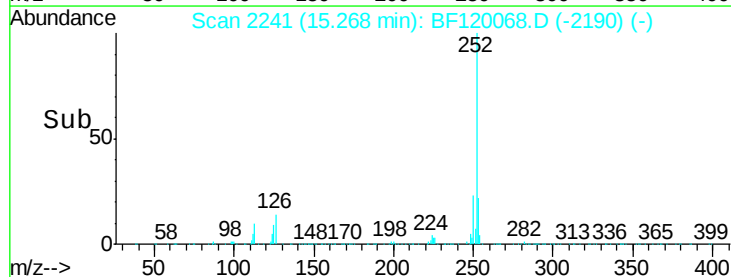
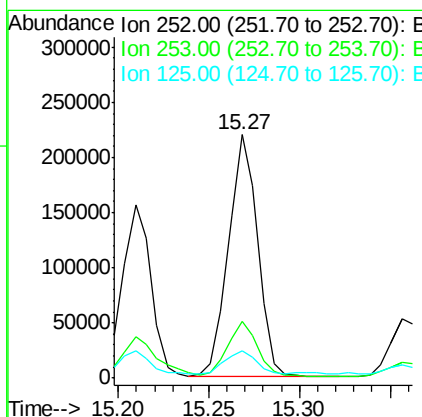
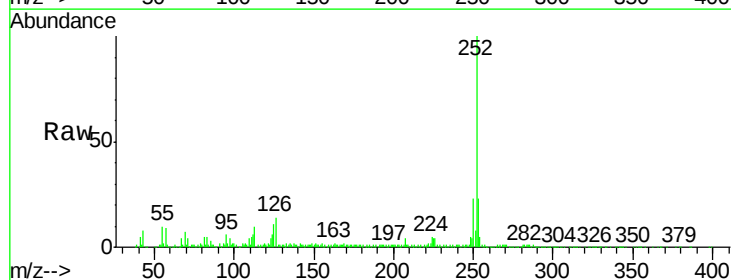
Instrument :
BNA_F
ClientSampleId :

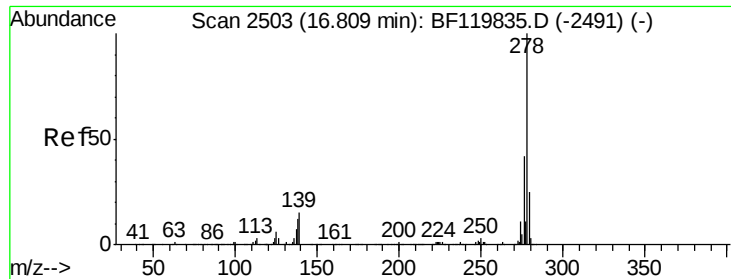
Tot Ion	Ratio	Lower	Upper
252	100		
253	23.6	17.8	26.8
125	12.2	7.7	11.5



#90
Benzo(a)pyrene
Concen: 16.103 ng
RT: 15.27 min Scan# 2241
Delta R.T. -0.00 min
Lab File: BF120068.D
Acq: 17 Apr 2020 19:21

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.2	17.4	26.2
125	11.4	8.3	12.5

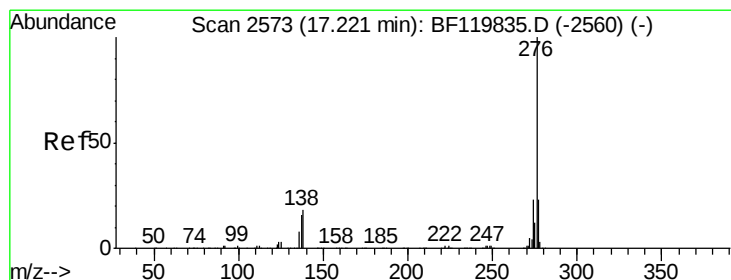
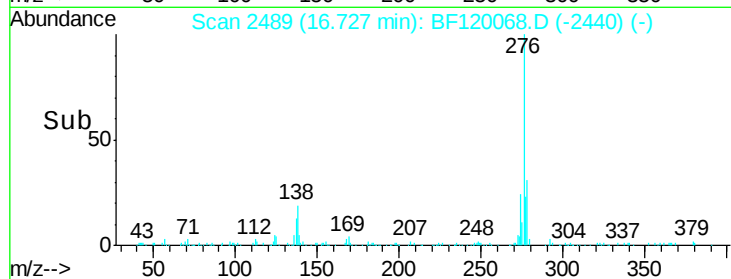
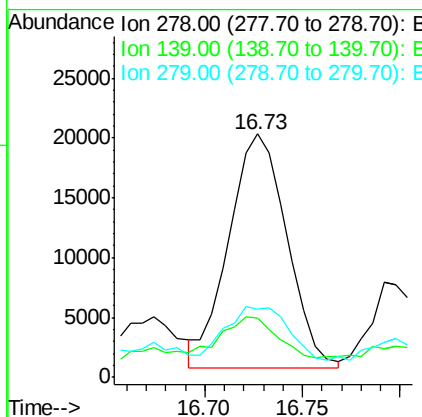
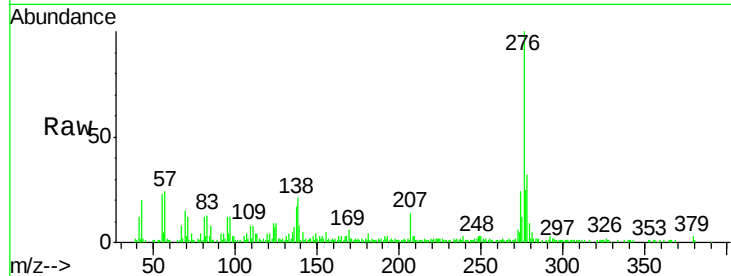




#91
Dibenzo(a,h)anthracene
Concen: 2.988 ng
RT: 16.73 min Scan# 2489
Delta R.T. -0.01 min
Lab File: BF120068.D
Acq: 17 Apr 2020 19:21

Instrument :
BNA_F
ClientSampled :

Tot Ion:278 Resp: 40260
Ion Ratio Lower Upper
278 100
139 24.2 11.6 17.4#
279 28.1 19.7 29.5



#92
Benzo(g,h,i)perylene
Concen: 10.785 ng
RT: 17.14 min Scan# 2559
Delta R.T. -0.01 min
Lab File: BF120068.D
Acq: 17 Apr 2020 19:21

Tgt Ion:276 Resp: 143434
Ion Ratio Lower Upper
276 100
277 25.6 18.5 27.7
138 22.0 14.6 22.0#

