

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF050120\
 Data File : BF120272.D
 Acq On : 1 May 2020 21:41
 Operator : MA/SJ
 Sample : L2463-17
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: May 02 01:11:55 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF040820.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri May 01 15:26:36 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.65	152	87888	20.00	ng	0.00
21) Naphthalene-d8	7.93	136	316725	20.00	ng	0.00
39) Acenaphthene-d10	9.69	164	140078	20.00	ng	-0.01
64) Phenanthrene-d10	11.17	188	246829	20.00	ng	0.00
76) Chrysene-d12	13.82	240	282354	20.00	ng	-0.01
87) Perylene-d12	15.23	264	298810	20.00	ng	0.00

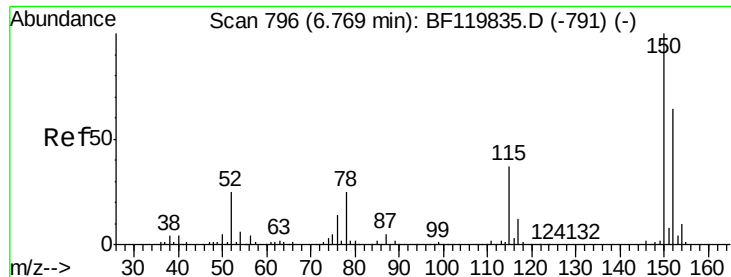
System Monitoring Compounds

5) 2-Fluorophenol	5.26	112	491836	96.71	ng	0.00
7) Phenol-d6	6.31	99	615852	93.98	ng	0.00
23) Nitrobenzene-d5	7.22	82	384295	62.77	ng	-0.01
42) 2,4,6-Tribromophenol	10.48	330	131209	76.51	ng	-0.01
45) 2-Fluorobiphenyl	9.02	172	731037	74.10	ng	0.00
79) Terphenyl-d14	12.76	244	717230	42.74	ng	-0.01

Target Compounds

						Qvalue
9) Benzaldehyde	6.20	77	1180	Below Cal		89
19) n-Nitroso-di-n-propylamine	7.22	70	49822	11.823 ng	#	75
25) Isophorone	7.22	82	384291	32.562 ng	#	65
49) Acenaphthylene	9.55	152	39000	2.816 ng		98
50) Dimethylphthalate	9.41	163	43477	4.013 ng		98
51) 2,6-Dinitrotoluene	9.69	165	18611	7.844 ng	#	25
57) 2,4-Dinitrotoluene	9.69	165	18611	5.954 ng	#	19
58) Fluorene	10.23	166	24549	2.421 ng		100
67) 4-Bromophenyl-phenylether	10.48	248	8152	2.656 ng	#	1
71) Phenanthrene	11.20	178	341635	26.007 ng		98
72) Anthracene	11.25	178	106377	7.927 ng		96
73) Carbazole	11.41	167	28011	2.207 ng		96
75) Fluoranthene	12.39	202	468809	33.075 ng		97
78) Pyrene	12.62	202	458168	19.248 ng		97
81) Benzo(a)anthracene	13.81	228	318101	17.125 ng		96
83) Chrysene	13.84	228	277413	14.698 ng		98
86) Indeno(1,2,3-cd)pyrene	16.57	276	129496	7.784 ng		94
88) Benzo(b)fluoranthene	14.83	252	516553	24.031 ng	#	95
89) Benzo(k)fluoranthene	14.83	252	516553	27.851 ng	#	96
90) Benzo(a)pyrene	15.17	252	248506	13.750 ng		98
92) Benzo(a,h,i)perylene	16.98	276	118890	7.523 ng		99

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

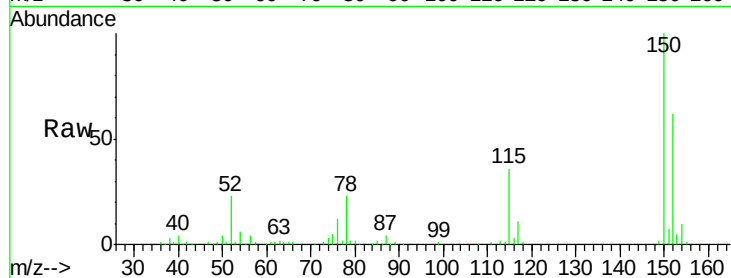


#1

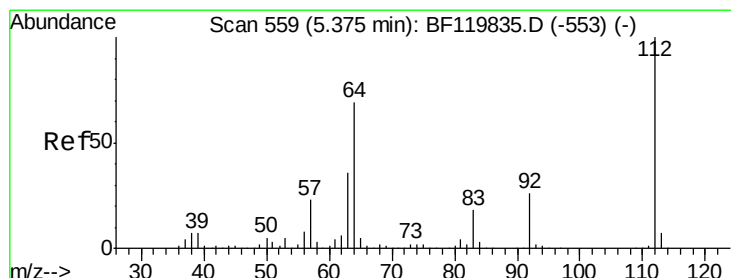
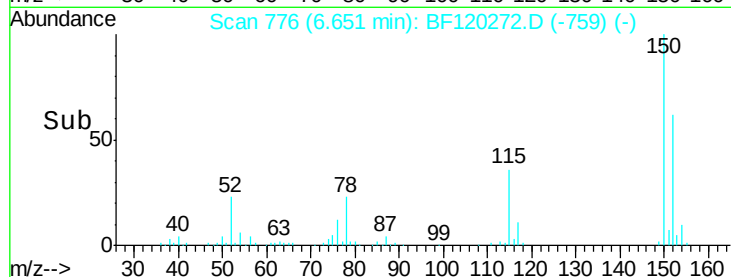
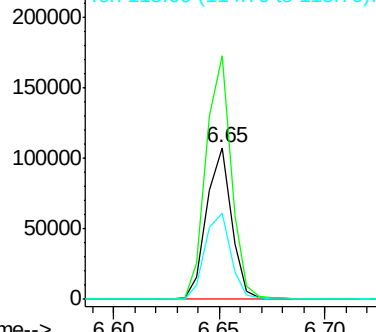
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.65 min Scan# 776
Delta R.T. 0.00 min
Lab File: BF120272.D
Acq: 1 May 2020 21:41

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 87888
Ion Ratio Lower Upper
152 100
150 160.2 124.5 186.7
115 57.0 49.6 74.4



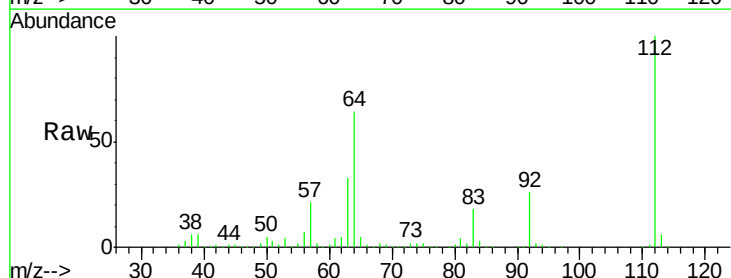
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



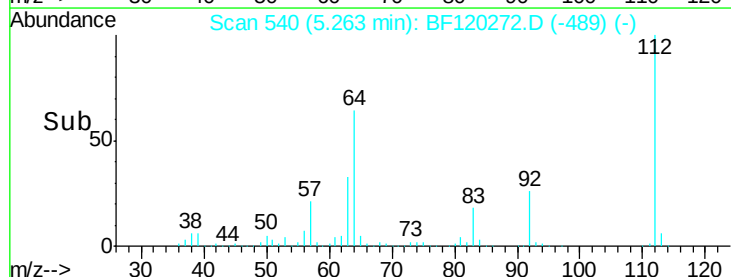
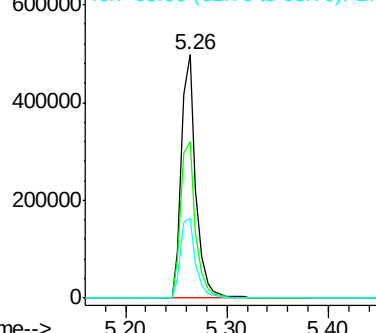
#5

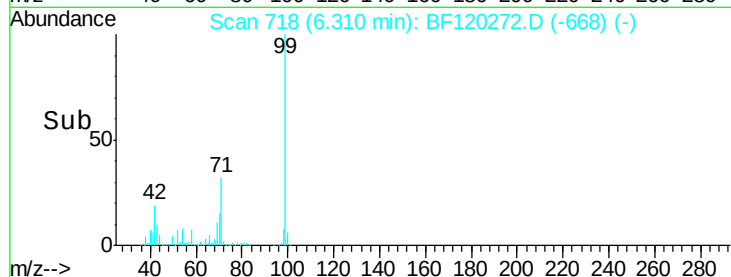
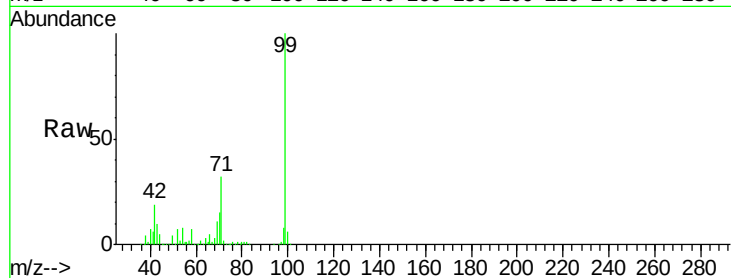
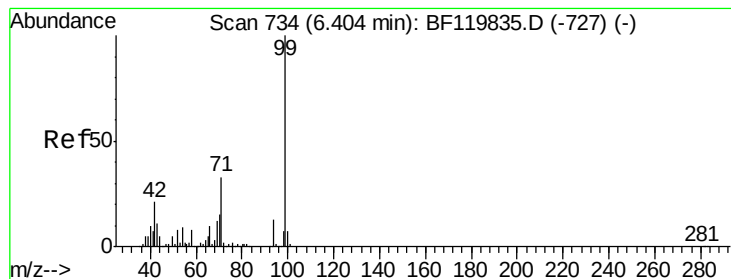
2-Fluorophenol
Concen: 96.712 ng
RT: 5.26 min Scan# 540
Delta R.T. 0.00 min
Lab File: BF120272.D
Acq: 1 May 2020 21:41

Tgt Ion:112 Resp: 491836
Ion Ratio Lower Upper
112 100
64 64.2 56.7 85.1
63 32.7 29.5 44.3



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: 93.980 ng

RT: 6.31 min Scan# 718

Delta R.T. -0.01 min

Lab File: BF120272.D

Acq: 1 May 2020 21:41

Instrument :

BNA_F

ClientSampleId :

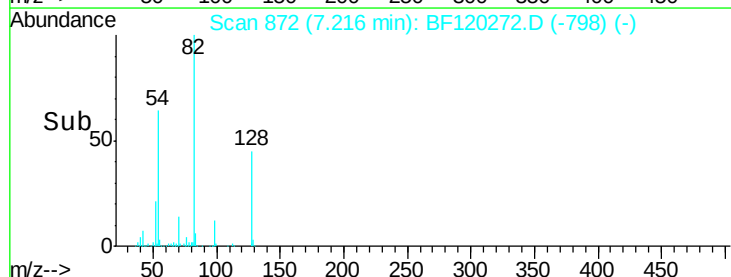
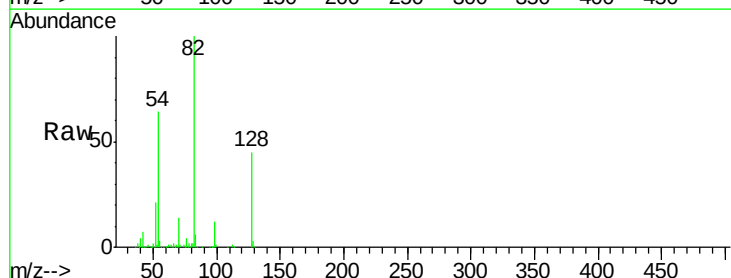
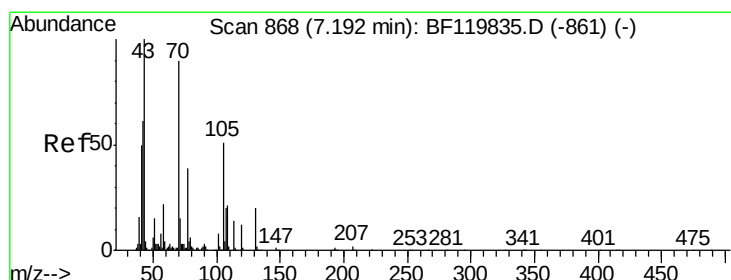
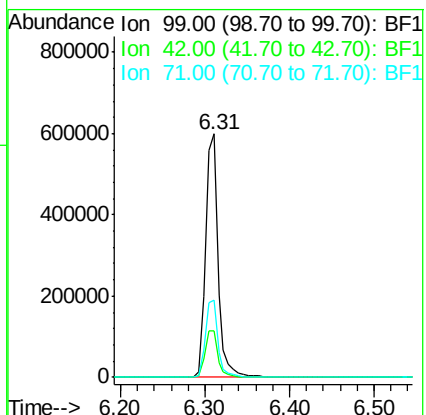
Tot Ion: 99 Resp: 615852

Ion Ratio Lower Upper

99 100

42 19.1 16.6 24.8

71 31.5 26.4 39.6



#19

n-Nitroso-di-n-propylamine

Concen: 11.823 ng

RT: 7.22 min Scan# 872

Delta R.T. 0.14 min

Lab File: BF120272.D

Acq: 1 May 2020 21:41

Tgt Ion: 70 Resp: 49822

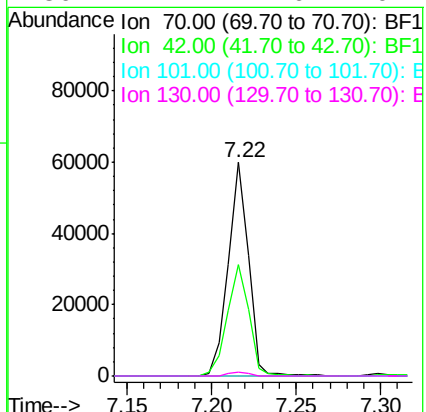
Ion Ratio Lower Upper

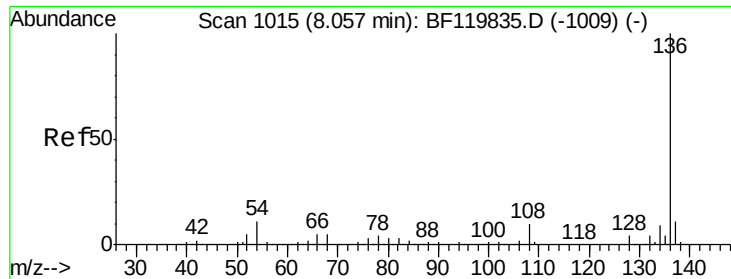
70 100

42 52.0 54.5 81.7#

101 0.0 7.6 11.4#

130 2.1 17.6 26.4#

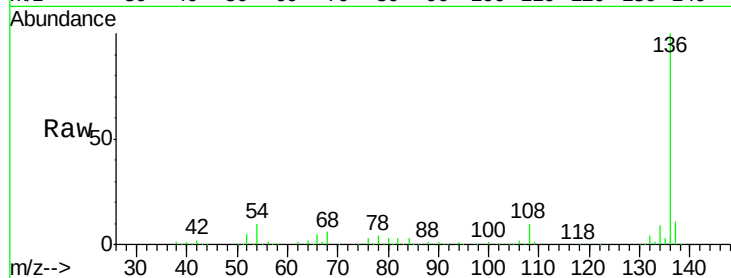




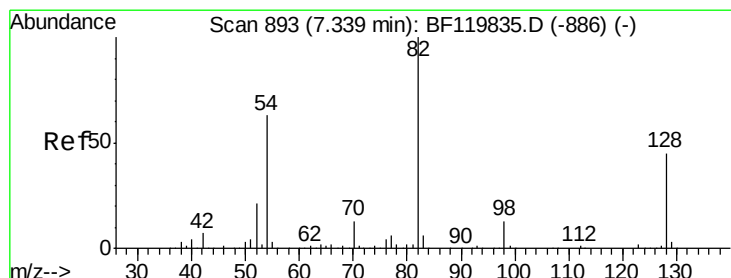
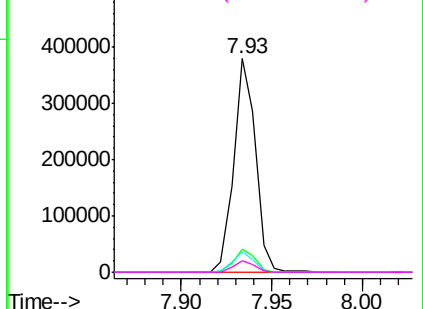
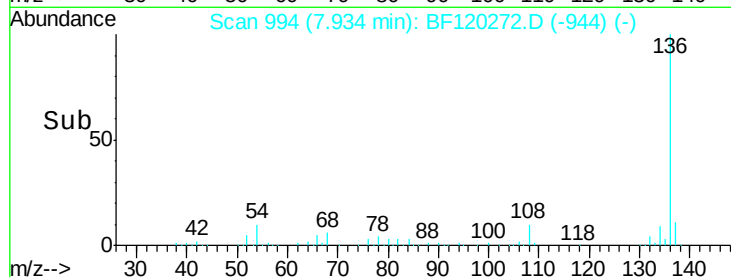
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 7.93 min Scan# 994
Delta R.T. -0.01 min
Lab File: BF120272.D
Acq: 1 May 2020 21:41

Instrument :
BNA_F
ClientSampled :

Tot Ion:136	Resp:	316725
Ion Ratio	Lower	Upper
136	100	
137	10.9	8.7 13.1
54	9.6	9.1 13.7
68	5.5	4.6 6.8

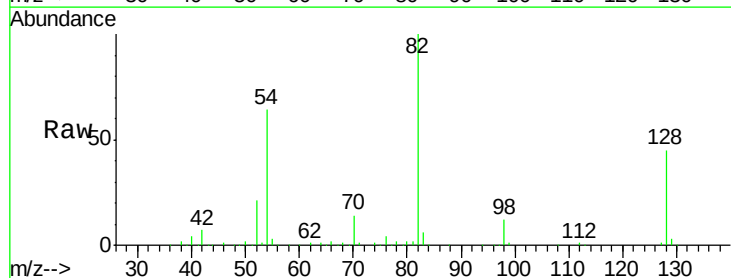


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

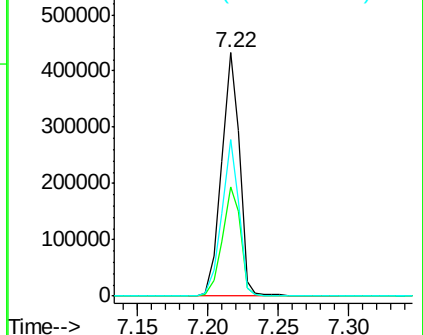
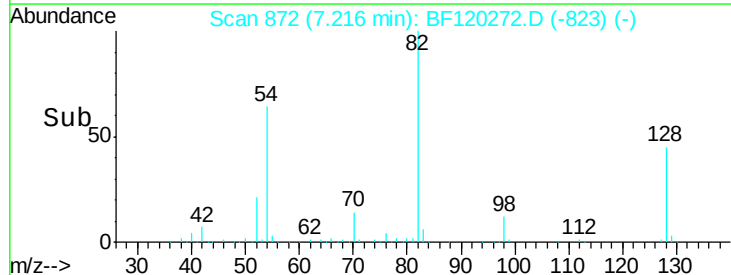


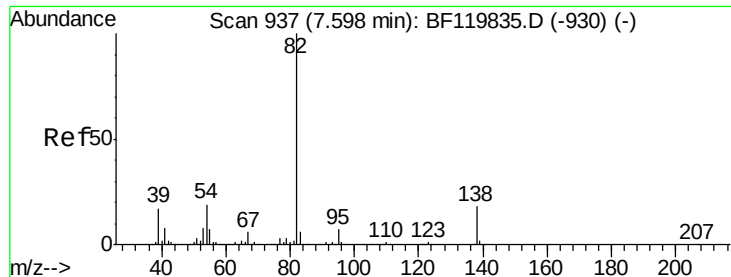
#23
Nitrobenzene-d5
Concen: 62.770 ng
RT: 7.22 min Scan# 872
Delta R.T. -0.01 min
Lab File: BF120272.D
Acq: 1 May 2020 21:41

Tgt Ion: 82	Resp:	384295
Ion Ratio	Lower	Upper
82	100	
128	45.0	36.3 54.5
54	64.4	50.6 75.8



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: 32.562 ng

RT: 7.22 min Scan# 872

Delta R.T. -0.27 min

Lab File: BF120272.D

Acq: 1 May 2020 21:41

Instrument :

BNA_F

ClientSampleId :

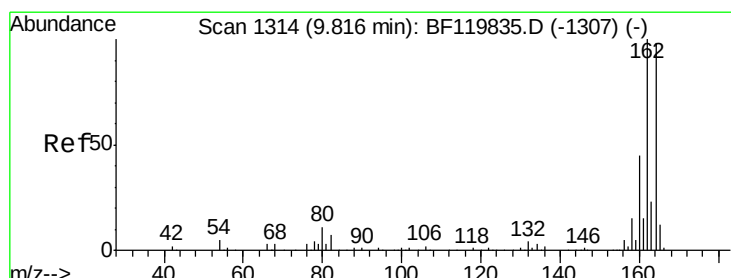
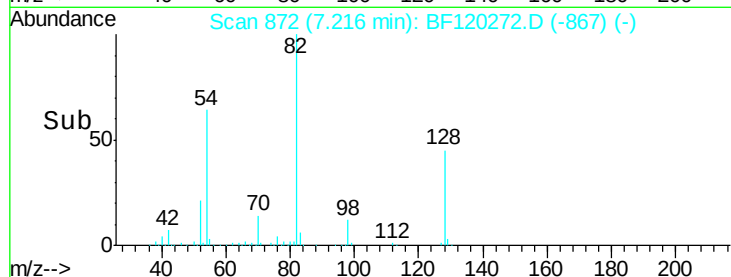
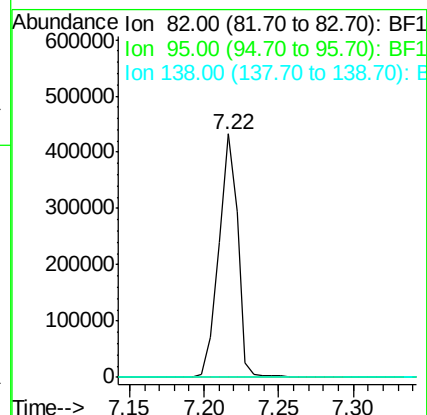
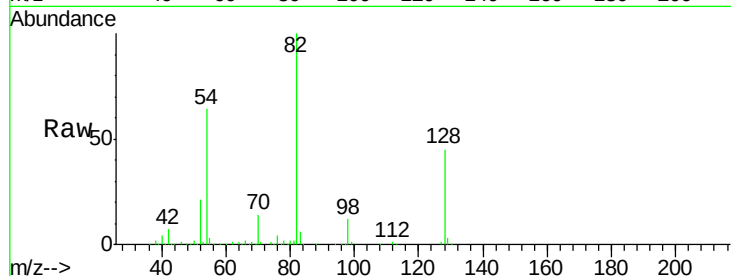
Tot Ion: 82 Resp: 384291

Ion Ratio Lower Upper

82 100

95 0.0 5.8 8.6#

138 0.0 14.6 21.8#



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.69 min Scan# 1292

Delta R.T. -0.01 min

Lab File: BF120272.D

Acq: 1 May 2020 21:41

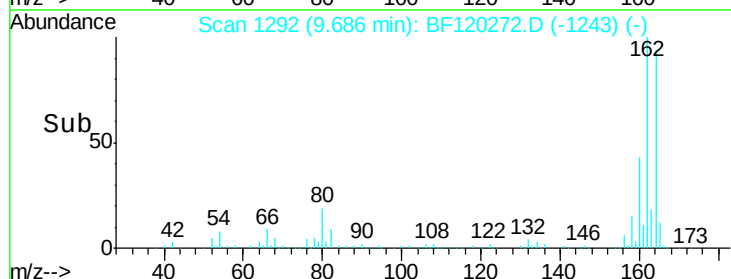
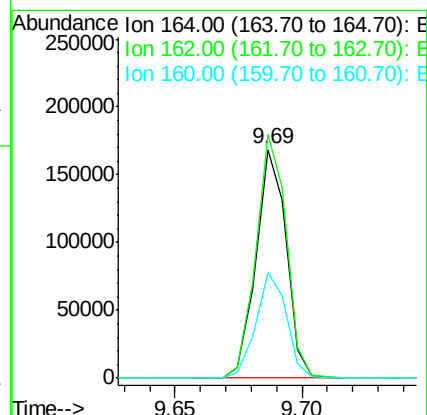
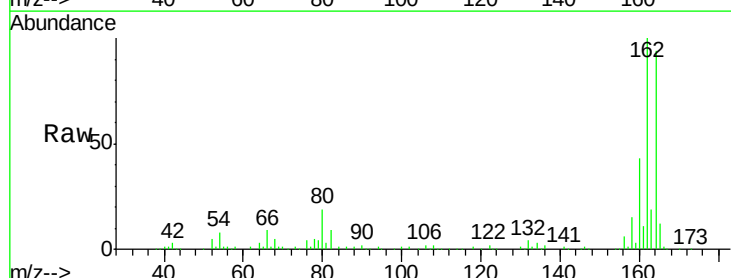
Tgt Ion: 164 Resp: 140078

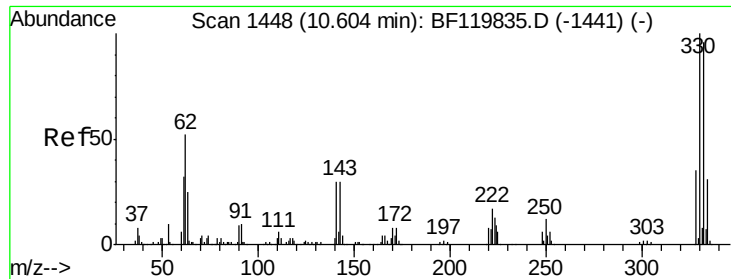
Ion Ratio Lower Upper

164 100

162 106.4 80.6 121.0

160 46.2 35.7 53.5

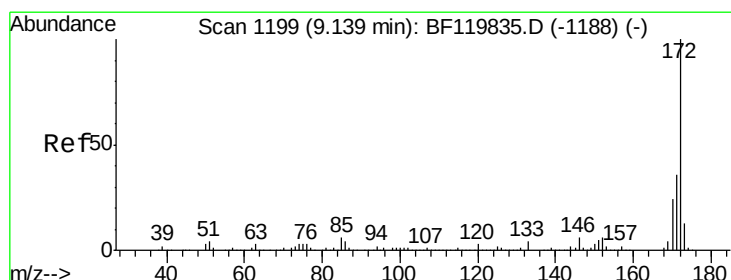
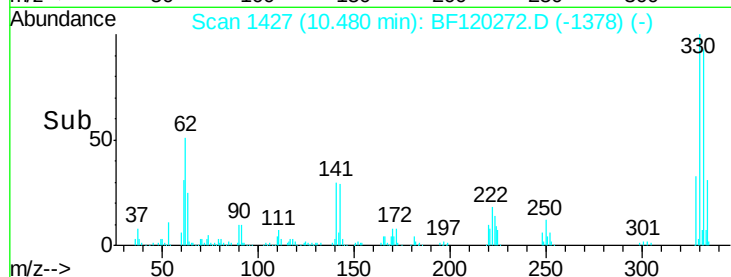
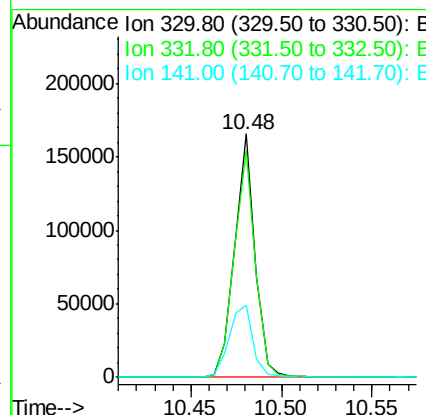
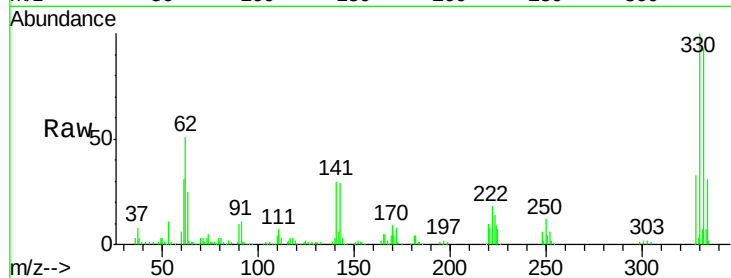




#42
 2,4,6-Tribromophenol
 Concen: 76.505 ng
 RT: 10.48 min Scan# 1427
 Delta R.T. -0.01 min
 Lab File: BF120272.D
 Acq: 1 May 2020 21:41

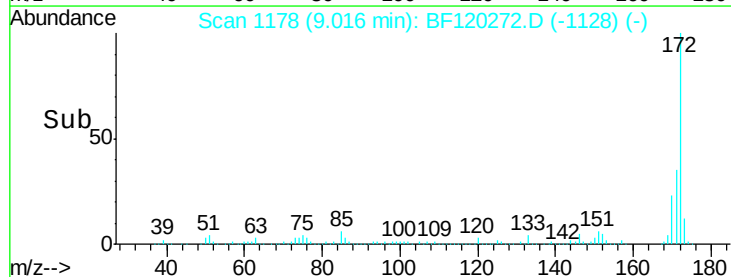
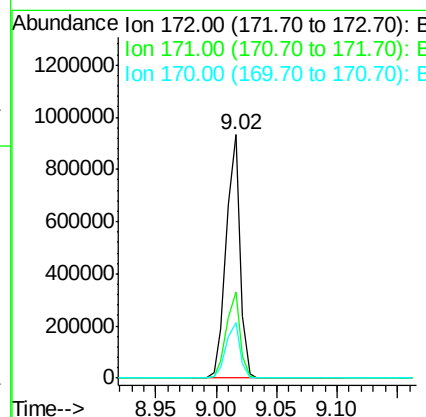
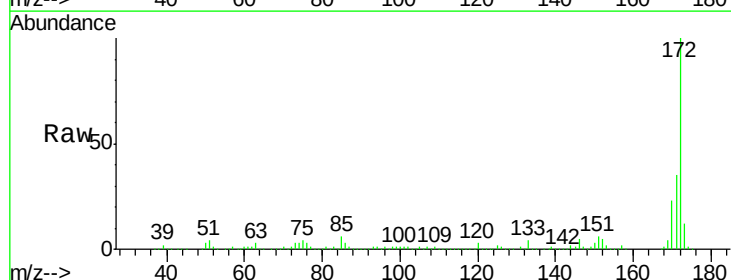
Instrument :
 BNA_F
 ClientSampleId :

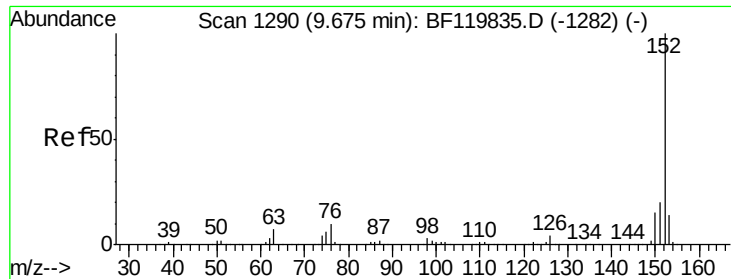
Tot Ion	Ratio	Lower	Upper
330	100		
332	96.7	75.7	113.5
141	34.2	25.4	38.0



#45
 2-Fluorobiphenyl
 Concen: 74.095 ng
 RT: 9.02 min Scan# 1178
 Delta R.T. -0.01 min
 Lab File: BF120272.D
 Acq: 1 May 2020 21:41

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.4	29.6	44.4
170	22.9	20.2	30.2





#49

Acenaphthylene

Concen: 2.816 ng

RT: 9.55 min Scan# 1269

Delta R.T. -0.01 min

Lab File: BF120272.D

Acq: 1 May 2020 21:41

Instrument :

BNA_F

ClientSampleId :

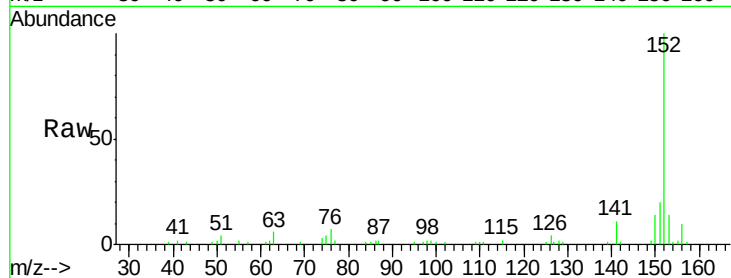
Tot Ion:152 Resp: 39000

Ion Ratio Lower Upper

152 100

151 20.2 17.2 25.8

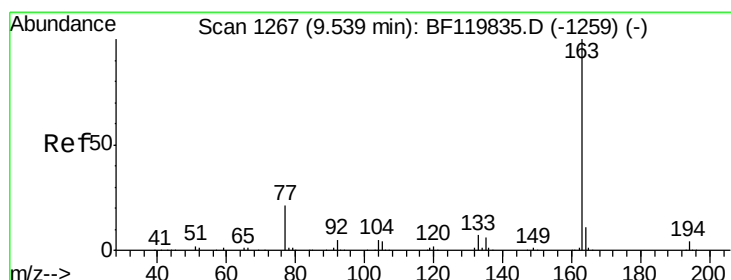
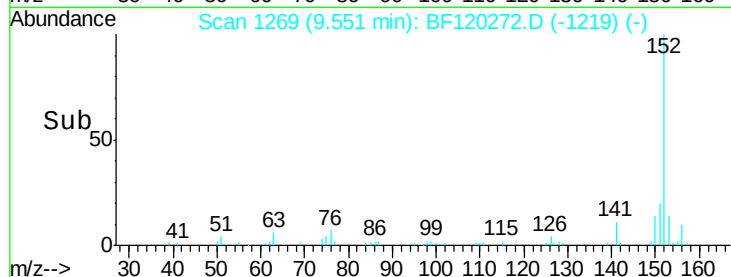
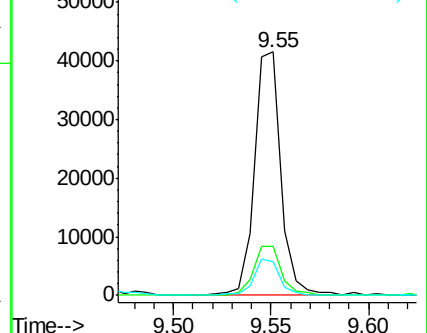
153 13.8 11.2 16.8



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E



#50

Dimethylphthalate

Concen: 4.013 ng

RT: 9.41 min Scan# 1245

Delta R.T. -0.02 min

Lab File: BF120272.D

Acq: 1 May 2020 21:41

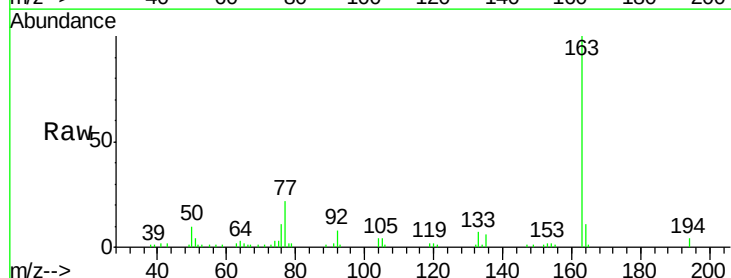
Tgt Ion:163 Resp: 43477

Ion Ratio Lower Upper

163 100

194 3.8 3.1 4.7

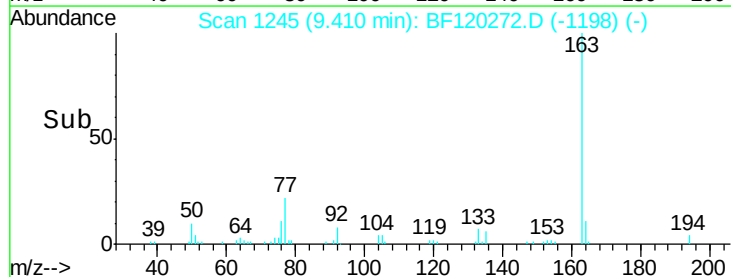
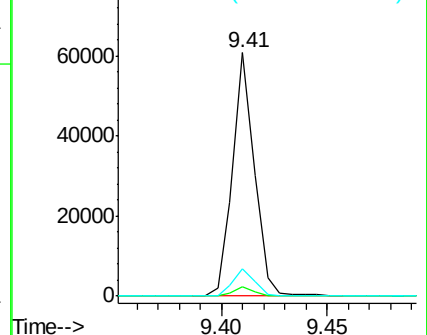
164 11.0 8.2 12.2

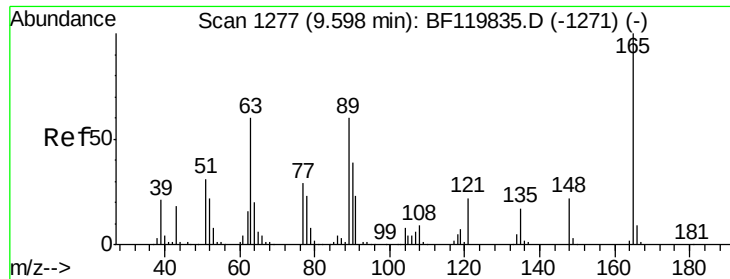


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E

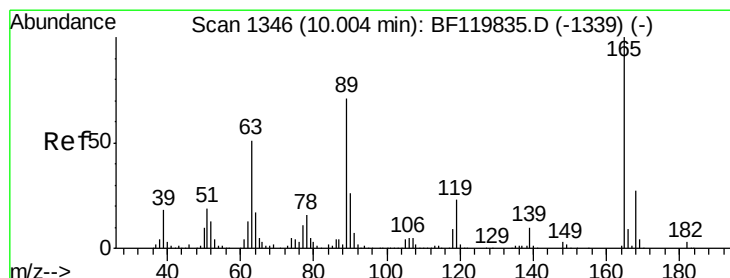
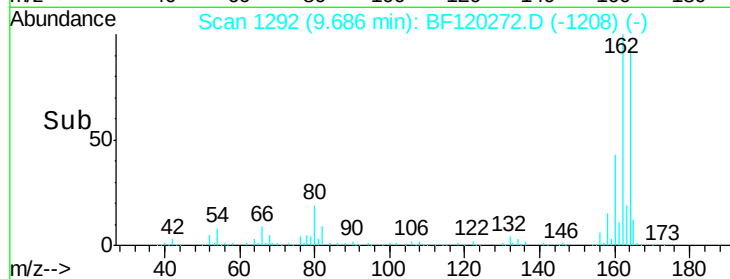
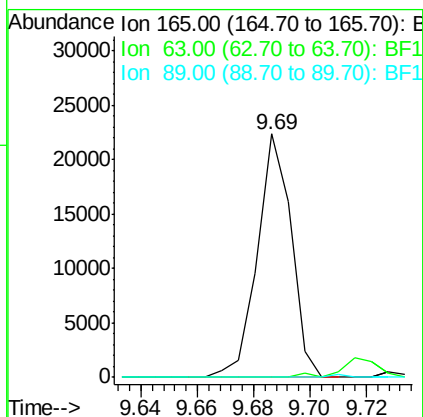
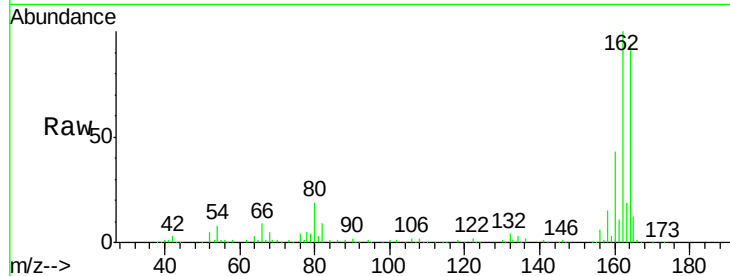




#51
 2,6-Dinitrotoluene
 Concen: 7.844 ng
 RT: 9.69 min Scan# 1292
 Delta R.T. 0.19 min
 Lab File: BF120272.D
 Acq: 1 May 2020 21:41

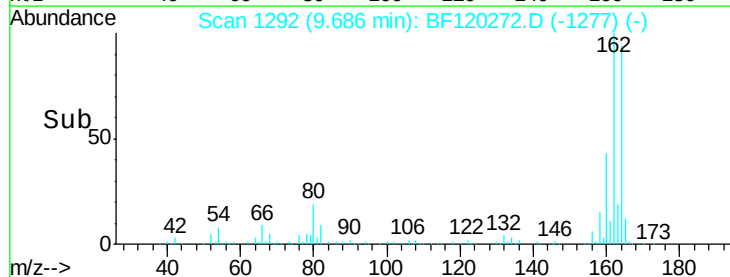
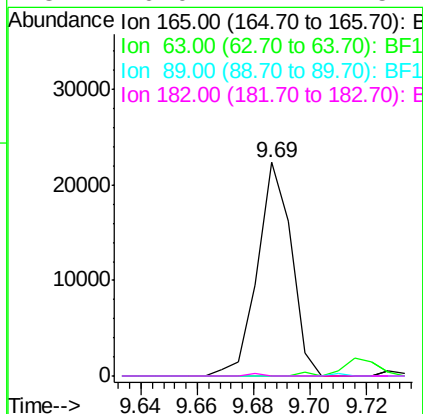
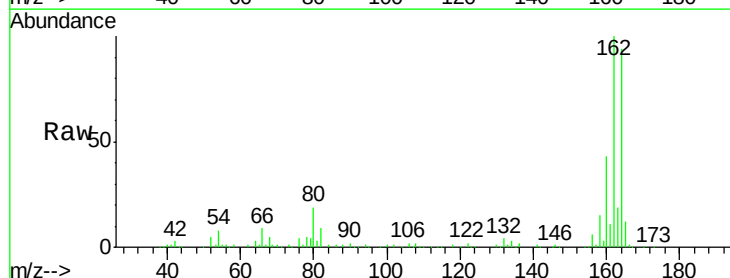
Instrument :
 BNA_F
 ClientSampleId :

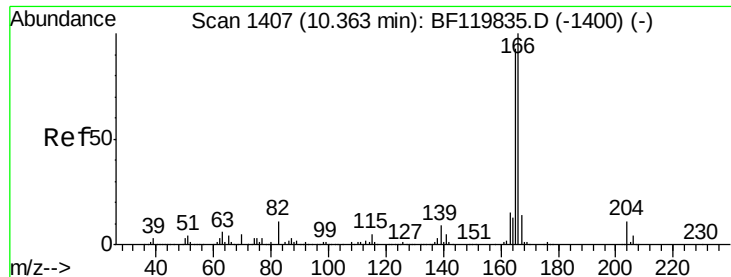
Tot Ion	Ratio	Lower	Upper
165	100		
63	0.0	45.0	67.4#
89	0.0	41.5	62.3#



#57
 2,4-Dinitrotoluene
 Concen: 5.954 ng
 RT: 9.69 min Scan# 1292
 Delta R.T. -0.21 min
 Lab File: BF120272.D
 Acq: 1 May 2020 21:41

Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.0	42.6	64.0#
89	0.0	61.0	91.4#
182	0.0	2.2	3.2#





#58

Fluorene

Concen: 2.421 ng

RT: 10.23 min Scan# 1385

Delta R.T. -0.01 min

Lab File: BF120272.D

Acq: 1 May 2020 21:41

Instrument :

BNA_F

ClientSampleId :

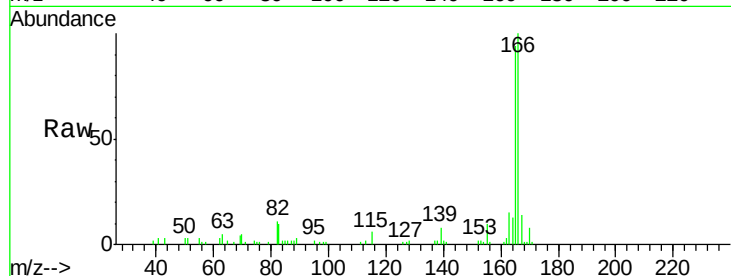
Tot Ion:166 Resp: 24549

Ion Ratio Lower Upper

166 100

165 94.2 75.4 113.2

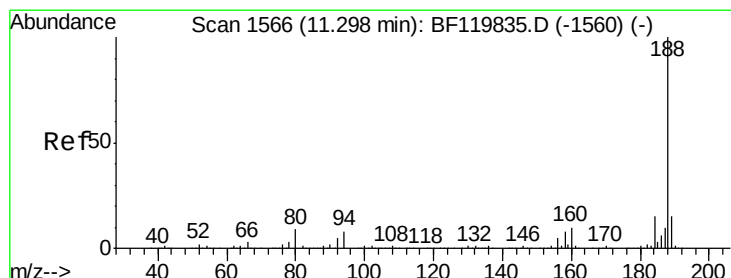
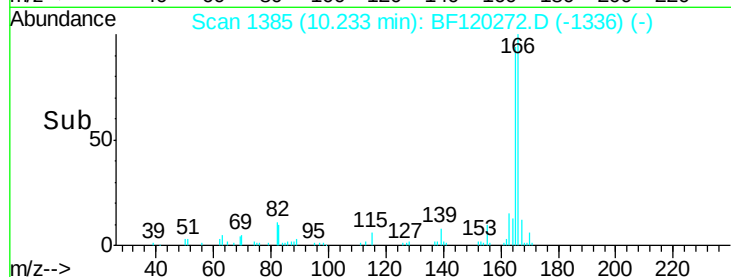
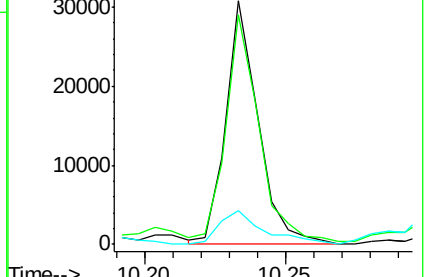
167 14.0 11.2 16.8



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



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.17 min Scan# 1545

Delta R.T. -0.01 min

Lab File: BF120272.D

Acq: 1 May 2020 21:41

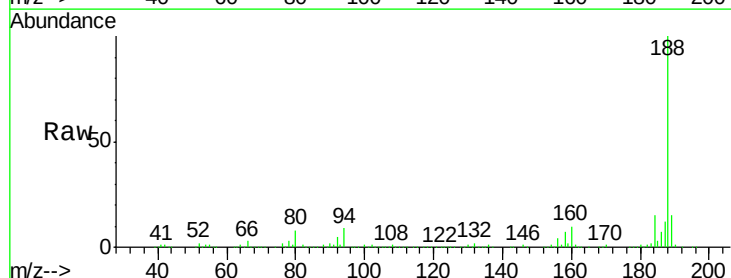
Tgt Ion:188 Resp: 246829

Ion Ratio Lower Upper

188 100

94 8.5 7.5 11.3

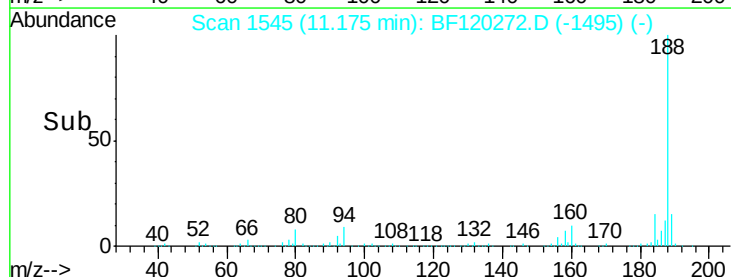
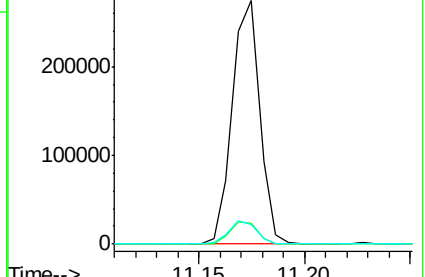
80 8.2 9.0 13.4#

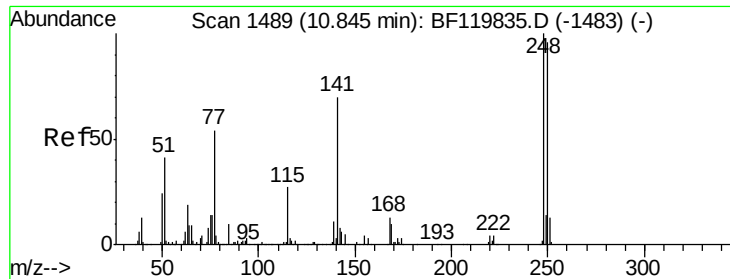


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1

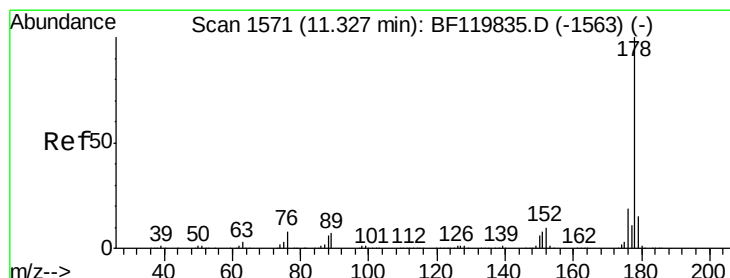
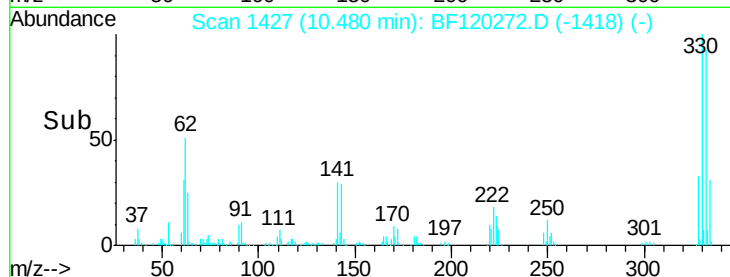
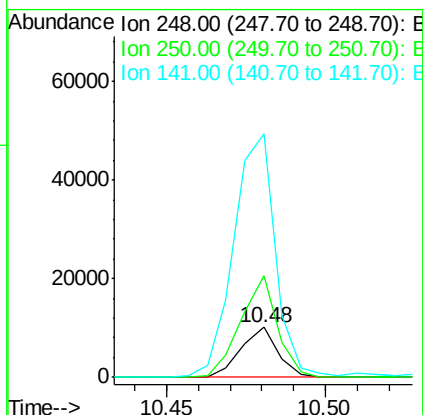
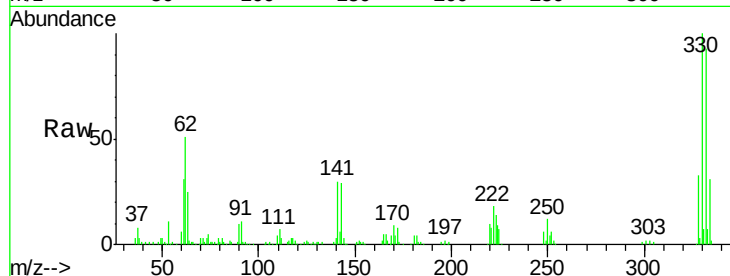




#67
 4-Bromophenyl-phenylether
 Concen: 2.656 ng
 RT: 10.48 min Scan# 1427
 Delta R.T. -0.25 min
 Lab File: BF120272.D
 Acq: 1 May 2020 21:41

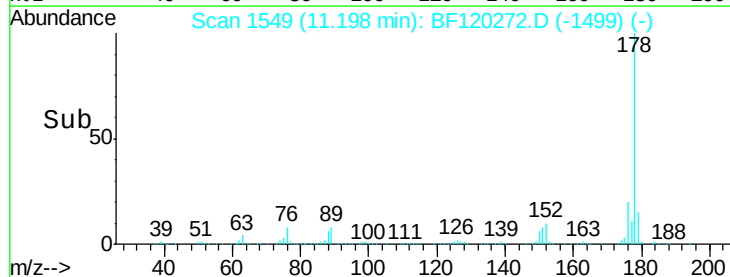
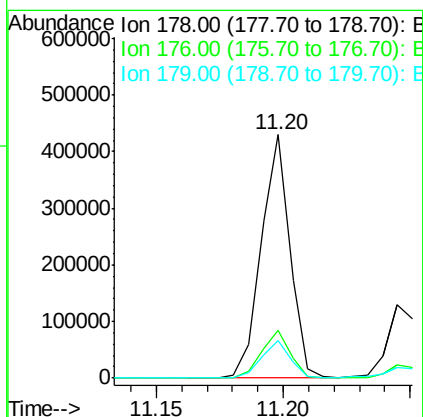
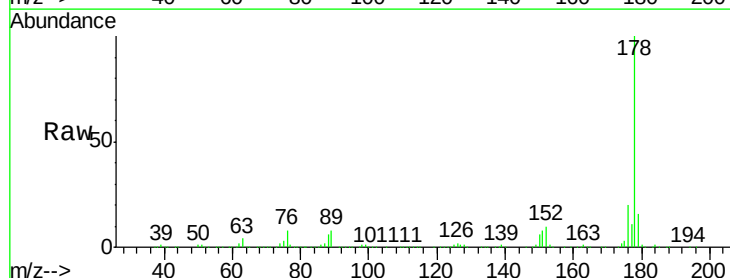
Instrument :
 BNA_F
 ClientSampleId :

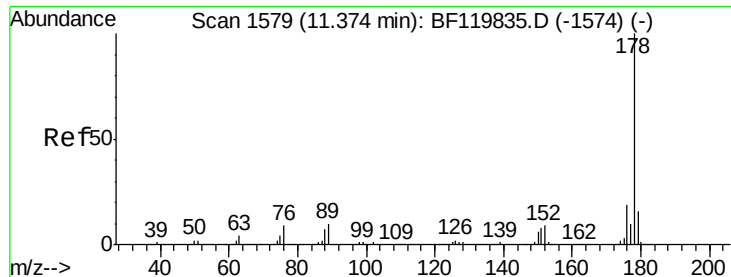
Tot Ion:248 Resp: 8152
 Ion Ratio Lower Upper
 248 100
 250 204.2 77.3 115.9#
 141 488.8 58.6 87.8#



#71
 Phenanthrene
 Concen: 26.007 ng
 RT: 11.20 min Scan# 1549
 Delta R.T. -0.01 min
 Lab File: BF120272.D
 Acq: 1 May 2020 21:41

Tgt Ion:178 Resp: 341635
 Ion Ratio Lower Upper
 178 100
 176 19.5 16.2 24.4
 179 15.5 13.2 19.8





#72

Anthracene

Concen: 7.927 ng

RT: 11.25 min Scan# 1557

Delta R.T. -0.01 min

Lab File: BF120272.D

Acq: 1 May 2020 21:41

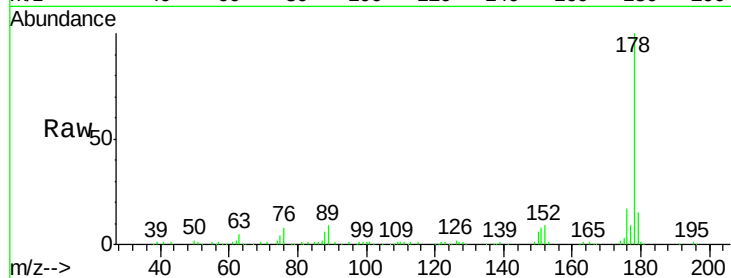
Instrument :

BNA_F

ClientSampleId :

Tot Ion:178 Resp: 106377

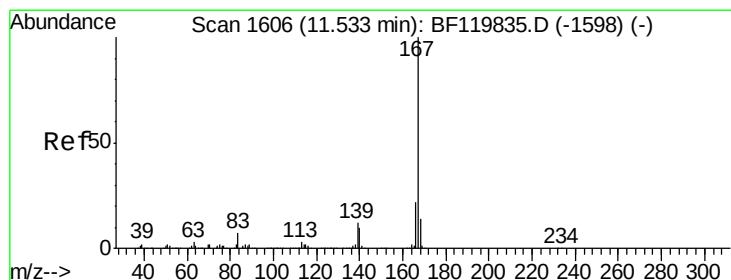
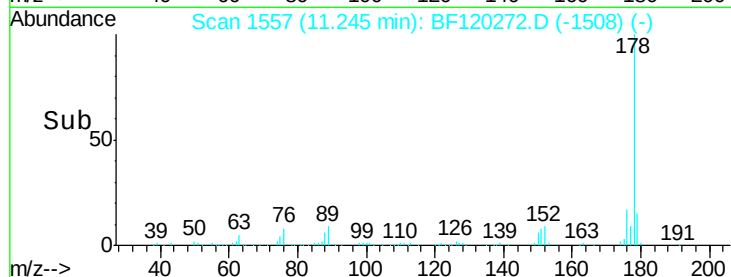
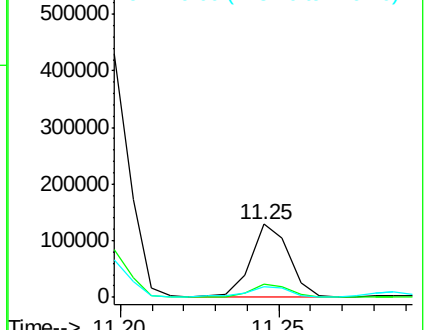
Ion	Ratio	Lower	Upper
178	100		
176	17.4	16.1	24.1
179	15.1	13.0	19.4



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



#73

Carbazole

Concen: 2.207 ng

RT: 11.41 min Scan# 1585

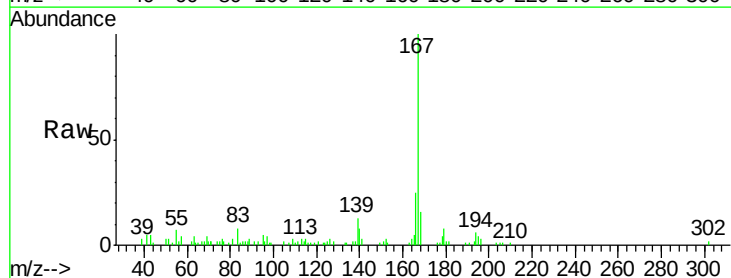
Delta R.T. -0.01 min

Lab File: BF120272.D

Acq: 1 May 2020 21:41

Tgt Ion:167 Resp: 28011

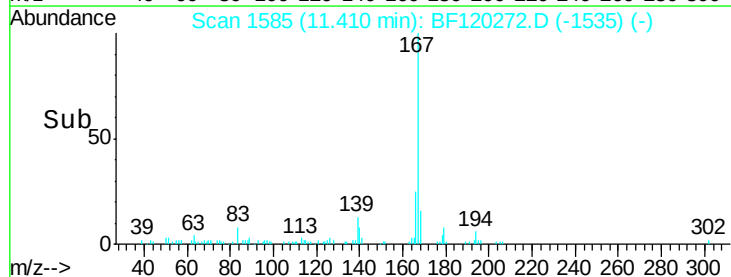
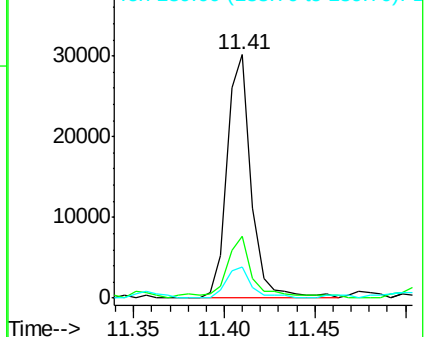
Ion	Ratio	Lower	Upper
167	100		
166	25.5	18.2	27.4
139	12.7	10.7	16.1

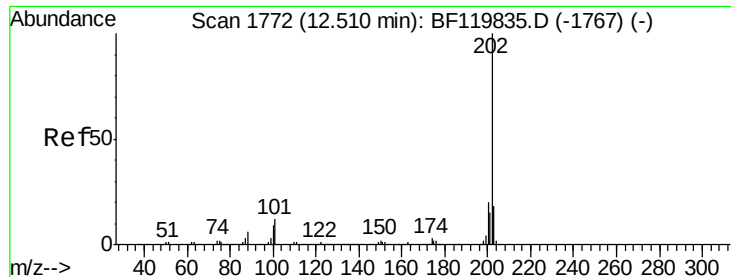


Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E





#75

Fluoranthene

Concen: 33.075 ng

RT: 12.39 min Scan# 1751

Delta R.T. -0.01 min

Lab File: BF120272.D

Acq: 1 May 2020 21:41

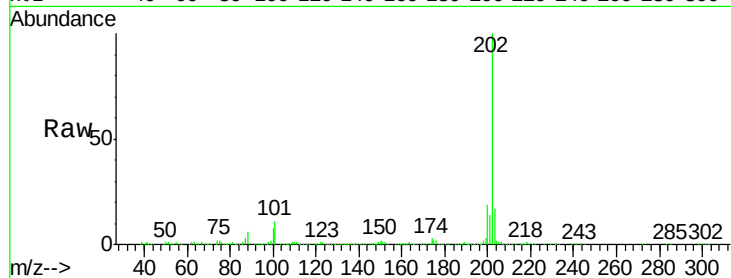
Instrument :

BNA_F

ClientSampleId :

Tot Ion:202 Resp: 468809

Ion	Ratio	Lower	Upper
202	100		
101	11.3	0.0	32.2
203	16.9	0.0	38.8

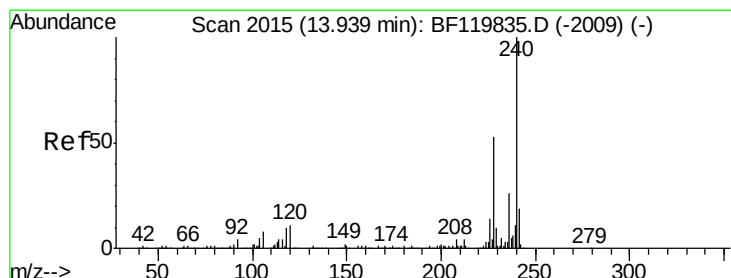
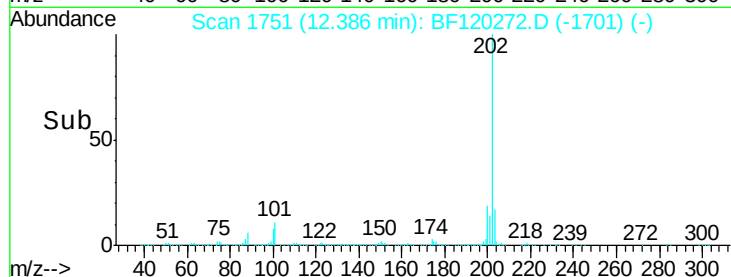
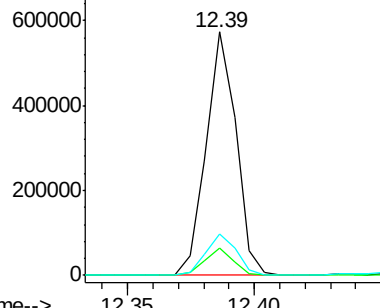


Abundance

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

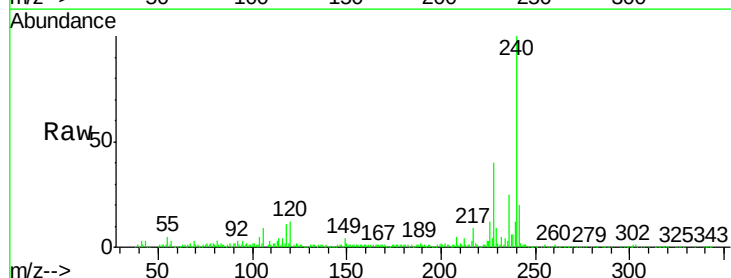
Delta R.T. -0.01 min

Lab File: BF120272.D

Acq: 1 May 2020 21:41

Tgt Ion:240 Resp: 282354

Ion	Ratio	Lower	Upper
240	100		
120	12.4	10.6	15.8
236	25.4	20.2	30.2

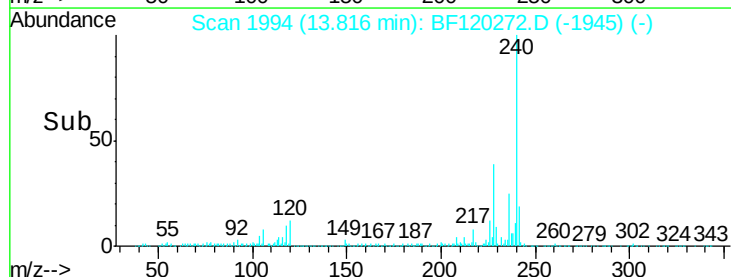
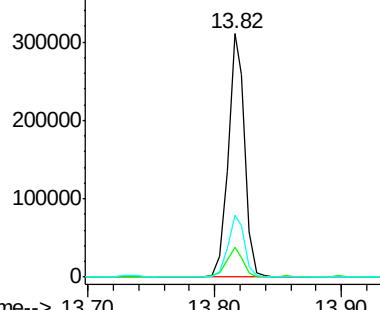


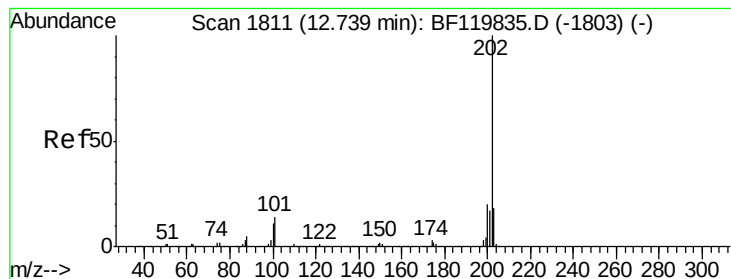
Abundance

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

Pvrene

Concen: 19.248 ng

RT: 12.62 min Scan# 1790

Delta R.T. -0.01 min

Lab File: BF120272.D

Acq: 1 May 2020 21:41

Instrument :

BNA_F

ClientSampleId :

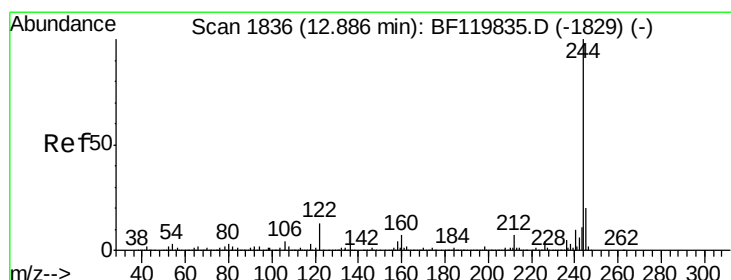
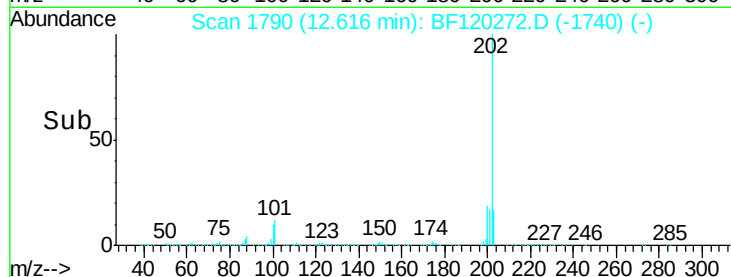
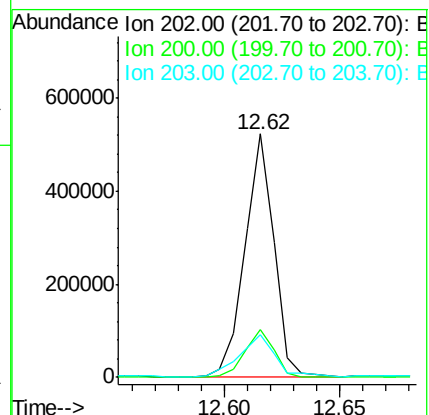
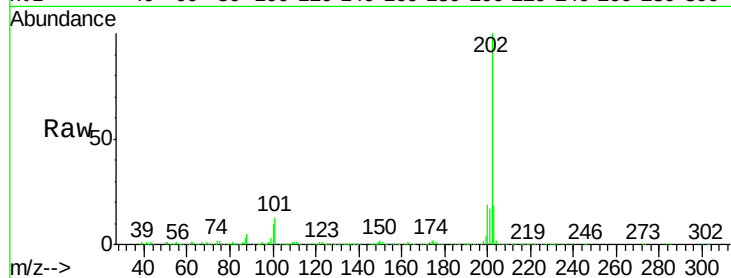
Tot Ion:202 Resp: 458168

Ion Ratio Lower Upper

202 100

200 19.5 16.8 25.2

203 17.6 15.1 22.7



#79

Terphenyl-d14

Concen: 42.742 ng

RT: 12.76 min Scan# 1815

Delta R.T. -0.01 min

Lab File: BF120272.D

Acq: 1 May 2020 21:41

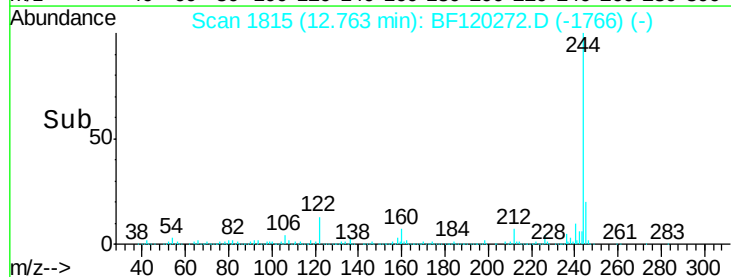
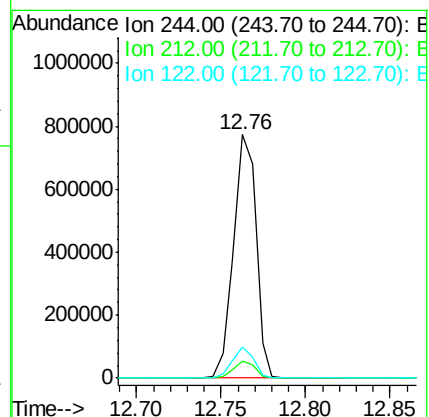
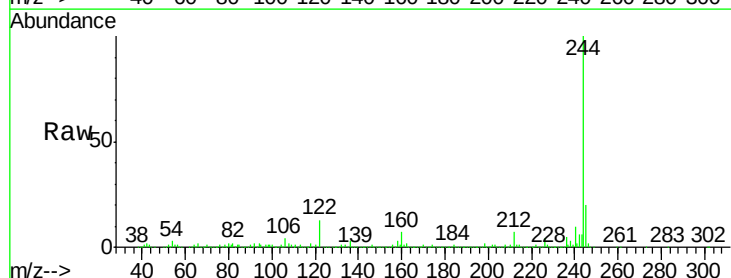
Tgt Ion:244 Resp: 717230

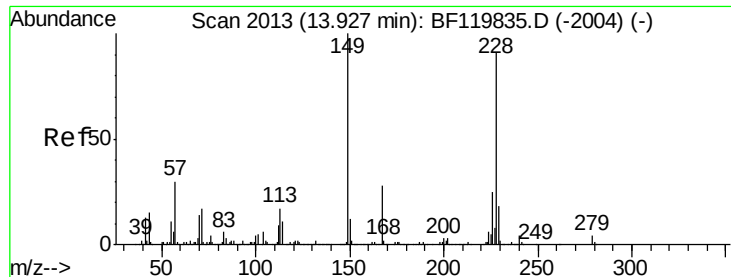
Ion Ratio Lower Upper

244 100

212 6.9 5.8 8.8

122 12.9 10.3 15.5

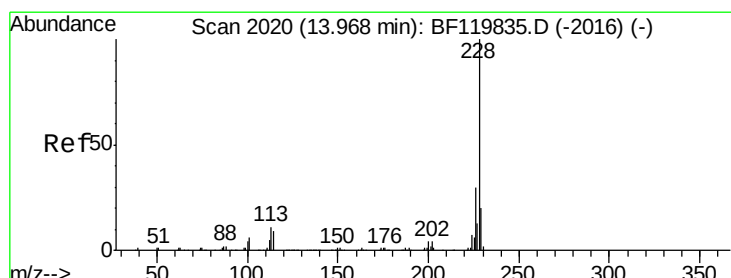
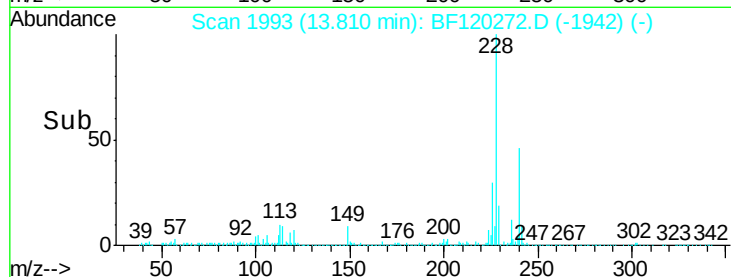
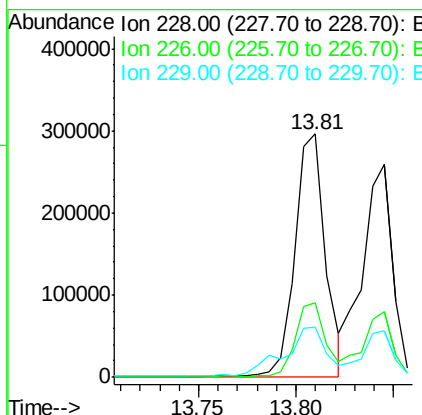
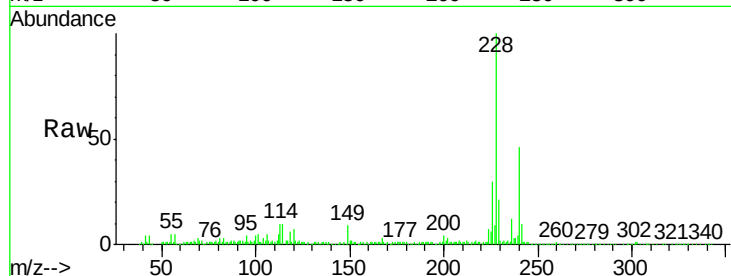




#81
Benzo(a)anthracene
Concen: 17.125 ng
RT: 13.81 min Scan# 1993
Delta R.T. 0.00 min
Lab File: BF120272.D
Acq: 1 May 2020 21:41

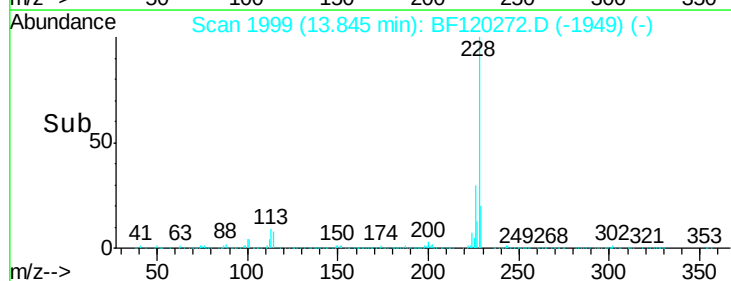
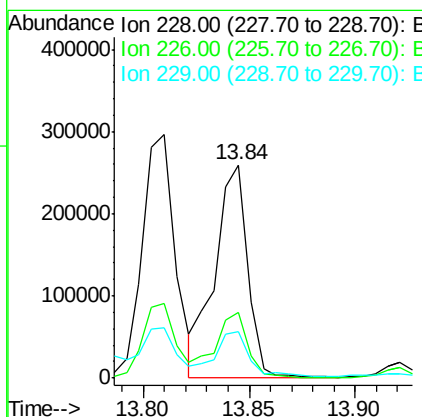
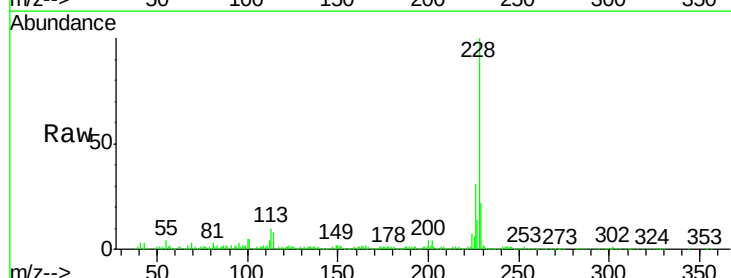
Instrument :
BNA_F
ClientSampleId :

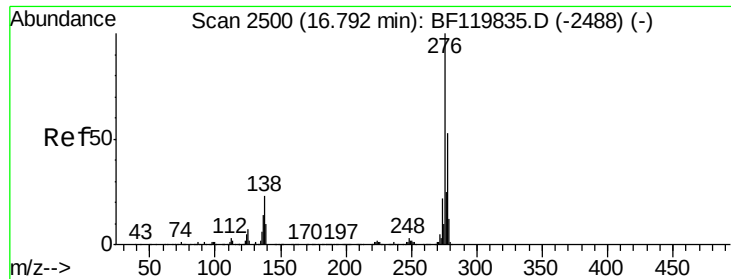
Tot Ion	Ratio	Lower	Upper
228	100		
226	30.4	21.8	32.8
229	20.5	16.2	24.4



#83
Chrysene
Concen: 14.698 ng
RT: 13.84 min Scan# 1999
Delta R.T. -0.01 min
Lab File: BF120272.D
Acq: 1 May 2020 21:41

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.7	25.4	38.0
229	21.8	16.6	24.8

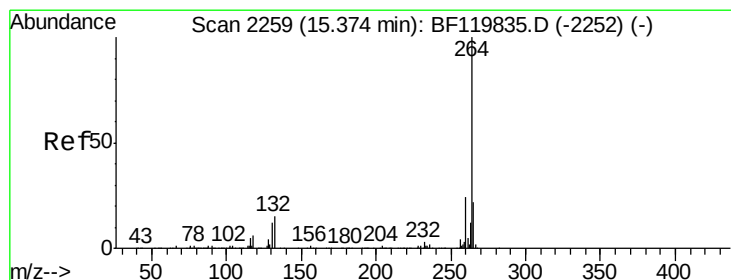
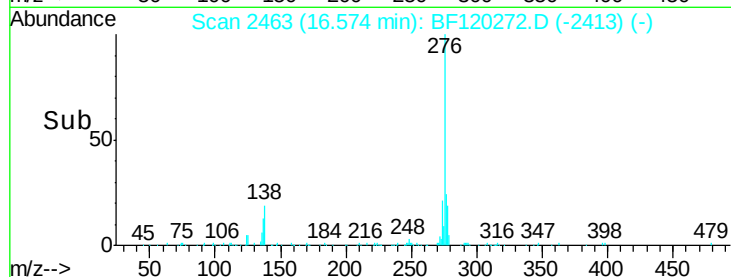
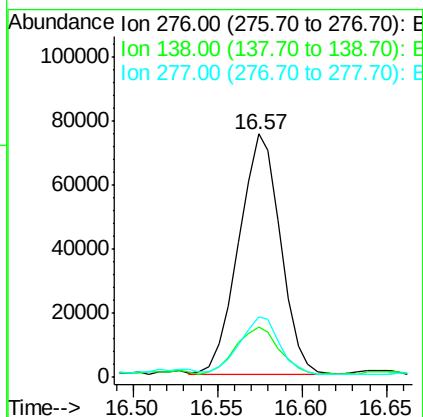
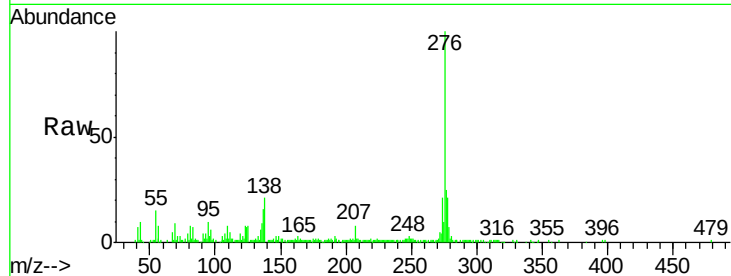




#86
 Indeno(1,2,3-cd)pyrene
 Concen: 7.784 ng
 RT: 16.57 min Scan# 2463
 Delta R.T. -0.01 min
 Lab File: BF120272.D
 Acq: 1 May 2020 21:41

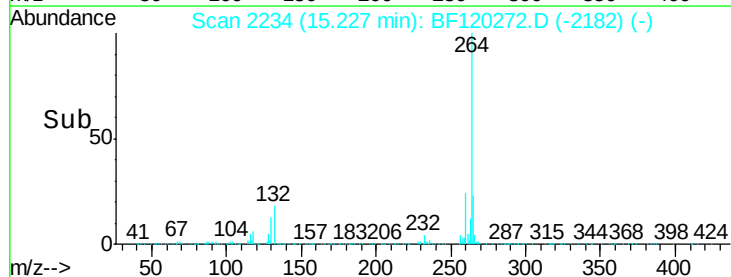
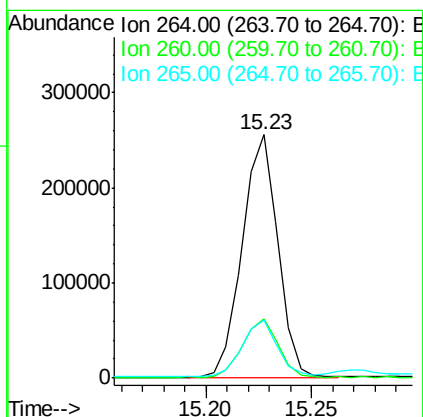
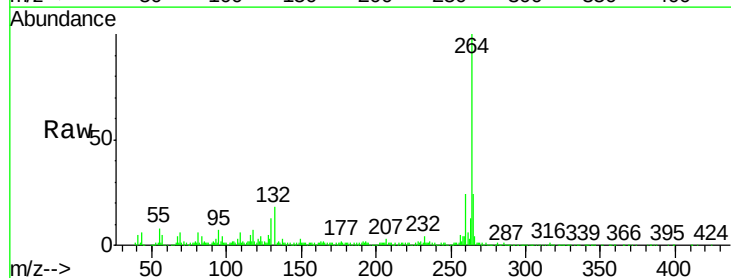
Instrument :
 BNA_F
 ClientSampleId :

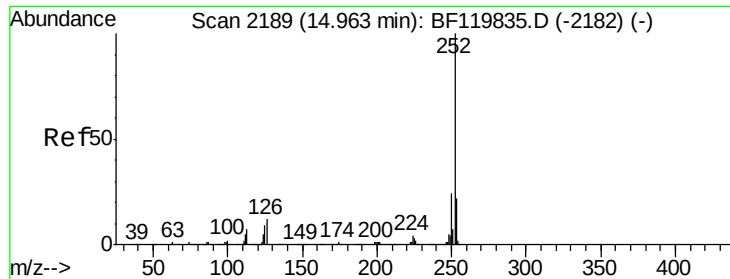
Tot Ion:276	Resp:	129496
Ion Ratio	Lower	Upper
276	100	
138	20.0	19.6 29.4
277	23.4	20.0 30.0



#87
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.23 min Scan# 2234
 Delta R.T. 0.01 min
 Lab File: BF120272.D
 Acq: 1 May 2020 21:41

Tgt Ion:264	Resp:	298810
Ion Ratio	Lower	Upper
264	100	
260	24.2	18.7 28.1
265	23.6	17.7 26.5

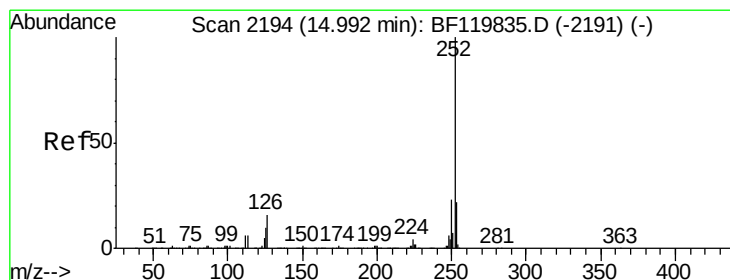
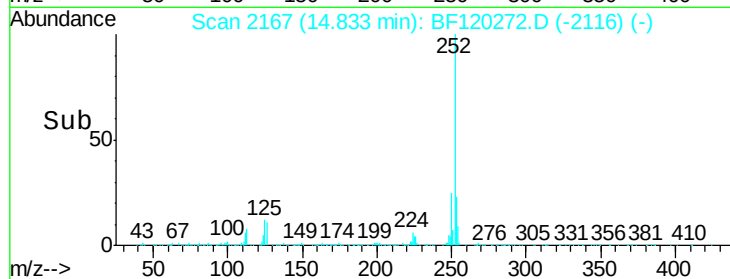
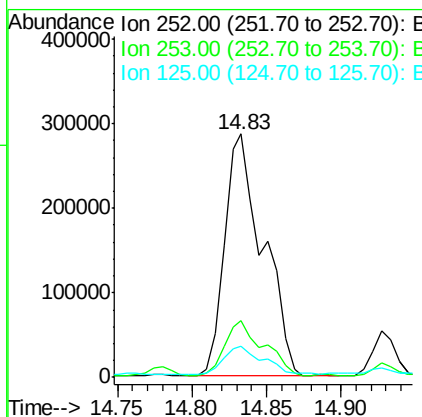
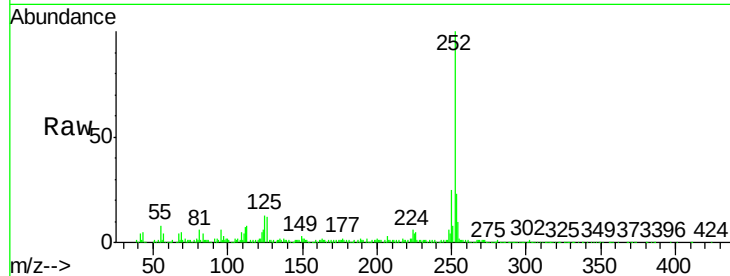




#88
Benzo(b)fluoranthene
Concen: 24.031 ng
RT: 14.83 min Scan# 2167
Delta R.T. 0.00 min
Lab File: BF120272.D
Acq: 1 May 2020 21:41

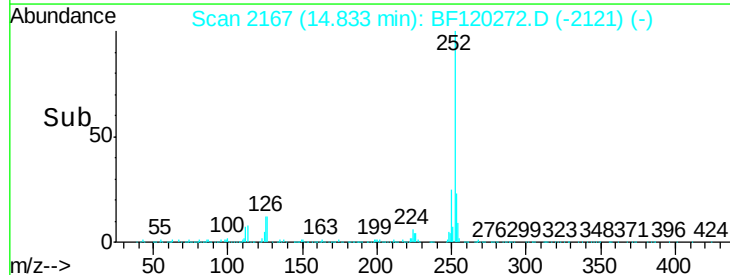
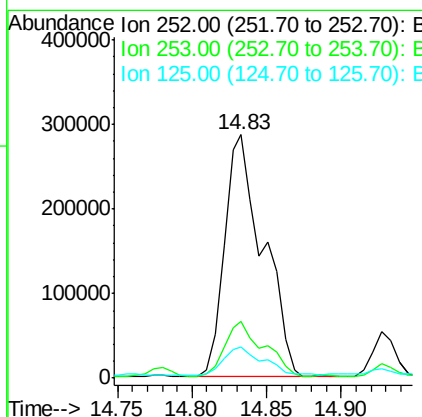
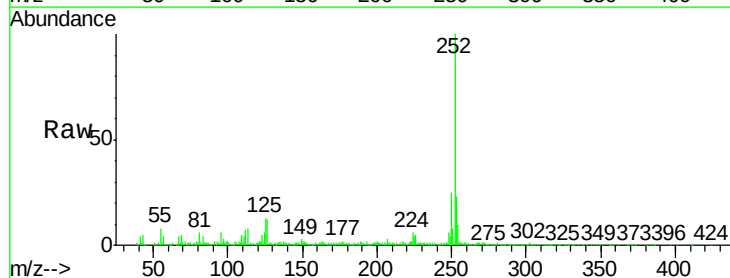
Instrument :
BNA_F
ClientSampleId :

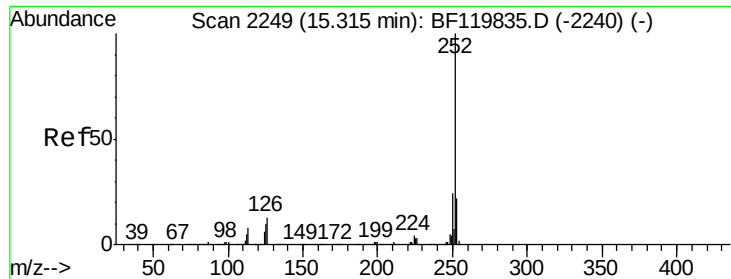
Tot Ion	Ratio	Lower	Upper
252	100		
253	23.4	17.4	26.0
125	13.0	7.9	11.9



#89
Benzo(k)fluoranthene
Concen: 27.851 ng
RT: 14.83 min Scan# 2167
Delta R.T. -0.03 min
Lab File: BF120272.D
Acq: 1 May 2020 21:41

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.4	17.8	26.6
125	13.0	8.4	12.6

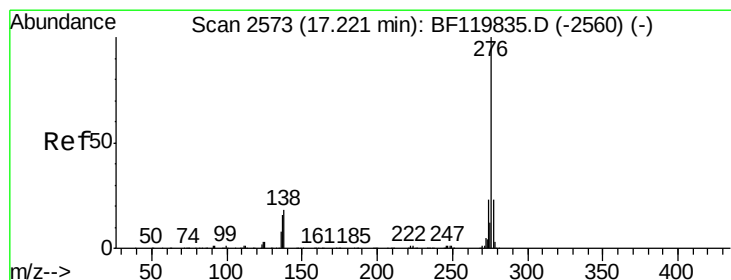
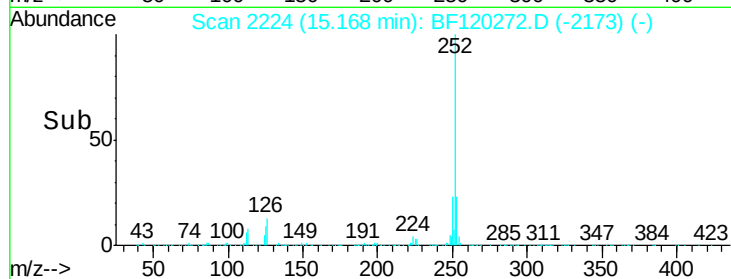
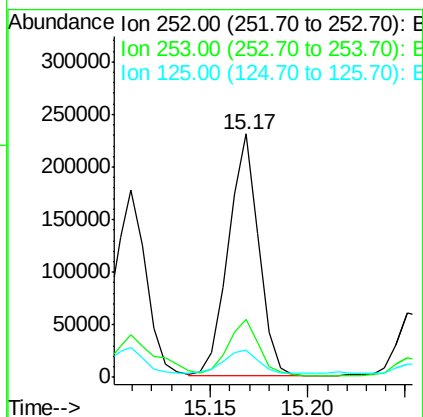
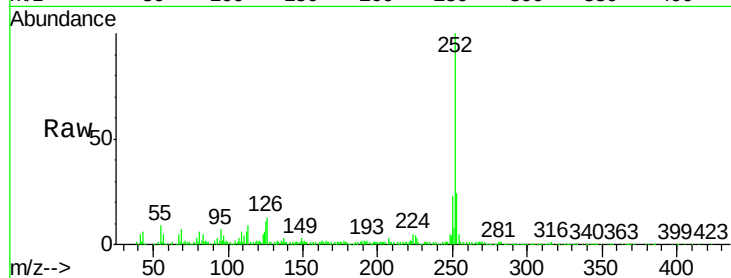




#90
Benzo(a)pyrene
Concen: 13.750 ng
RT: 15.17 min Scan# 2224
Delta R.T. 0.00 min
Lab File: BF120272.D
Acq: 1 May 2020 21:41

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.8	18.2	27.2
125	11.2	9.4	14.2



#92
Benzo(g,h,i)perylene
Concen: 7.523 ng
RT: 16.98 min Scan# 2532
Delta R.T. -0.01 min
Lab File: BF120272.D
Acq: 1 May 2020 21:41

Tgt Ion	Ratio	Lower	Upper
276	100		
277	22.7	18.4	27.6
138	20.2	15.4	23.0

