

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF050120\
 Data File : BF120265.D
 Acq On : 1 May 2020 18:26
 Operator : MA/SJ
 Sample : L2376-10
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-10

Quant Time: May 02 01:07:42 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	125038	20.00	ng	0.00
21) Naphthalene-d8	7.93	136	482559	20.00	ng	0.00
39) Acenaphthene-d10	9.69	164	227040	20.00	ng	-0.01
64) Phenanthrene-d10	11.17	188	384947	20.00	ng	0.00
76) Chrysene-d12	13.81	240	286337	20.00	ng	-0.02
87) Perylene-d12	15.22	264	309936	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.26	112	494112	68.29	ng	0.00
7) Phenol-d6	6.30	99	640791	68.73	ng	-0.01
23) Nitrobenzene-d5	7.22	82	401561	43.05	ng	-0.01
42) 2,4,6-Tribromophenol	10.48	330	171262	61.61	ng	-0.01
45) 2-Fluorobiphenyl	9.02	172	939366	58.74	ng	0.00
79) Terphenyl-d14	12.76	244	847039	49.78	ng	-0.01

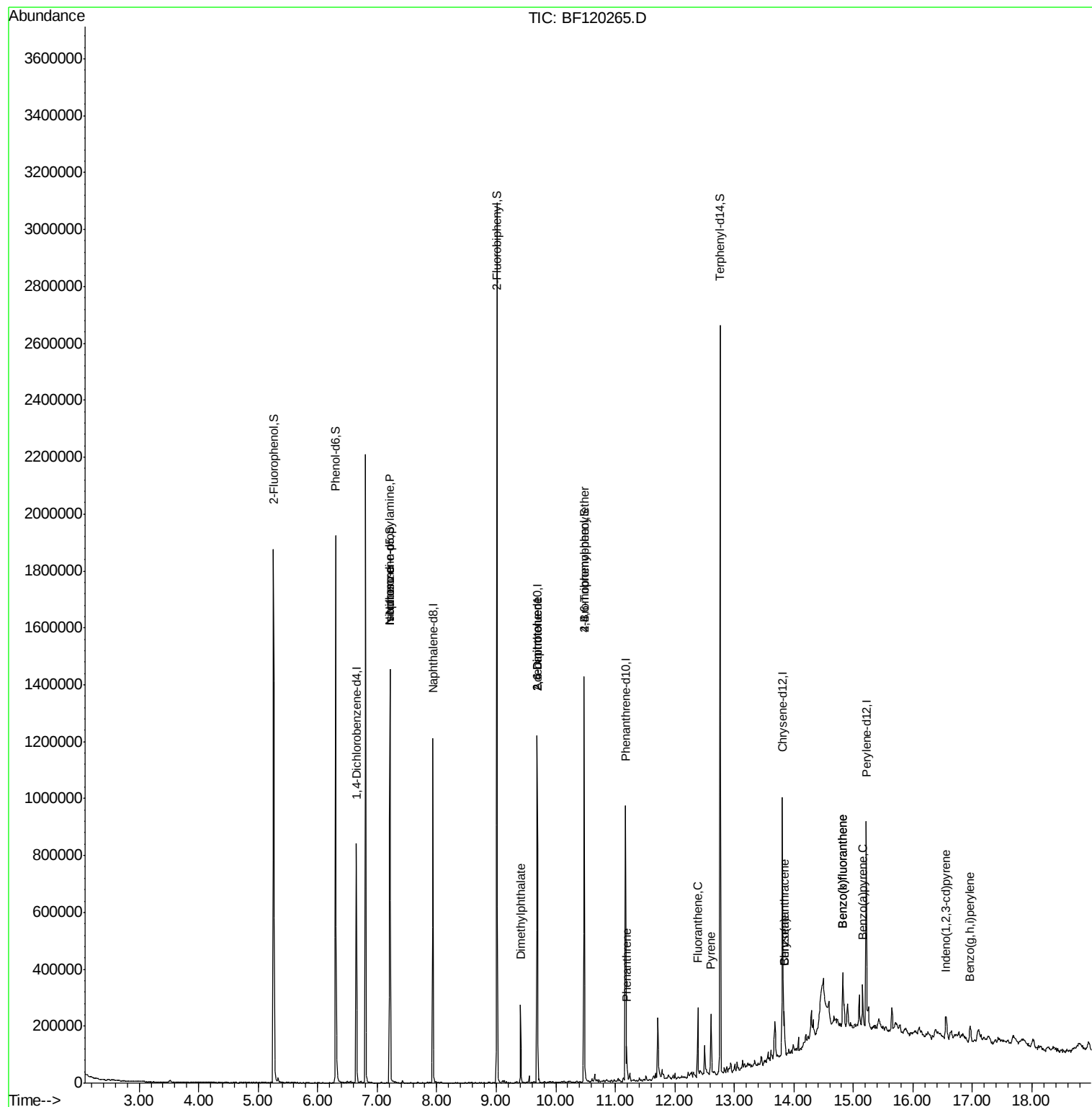
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.30	77	809	Below Cal		# 1
19) n-Nitroso-di-n-propylamine	7.22	70	50006	8.341	ng	# 76
25) Isophorone	7.22	82	401557	22.332	ng	# 65
50) Dimethylphthalate	9.41	163	93015	5.297	ng	100
51) 2,6-Dinitrotoluene	9.69	165	28665	7.454	ng	# 26
57) 2,4-Dinitrotoluene	9.69	165	28665	5.658	ng	# 20
67) 4-Bromophenyl-phenylether	10.48	248	10612	2.217	ng	# 1
71) Phenanthrene	11.19	178	42425	2.071	ng	98
75) Fluoranthene	12.39	202	98051	4.436	ng	96
78) Pyrene	12.61	202	84924	3.518	ng	100
81) Benzo(a)anthracene	13.84	228	57540	3.055	ng	97
83) Chrysene	13.84	228	57540	3.006	ng	98
86) Indeno(1,2,3-cd)pyrene	16.56	276	45873	2.719	ng	95
88) Benzo(b)fluoranthene	14.82	252	118791	5.328	ng	98
89) Benzo(k)fluoranthene	14.82	252	118791	6.175	ng	99
90) Benzo(a)pyrene	15.16	252	55590	2.965	ng	97
92) Benzo(a,h,i)perylene	16.96	276	46430	2.833	ng	98

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

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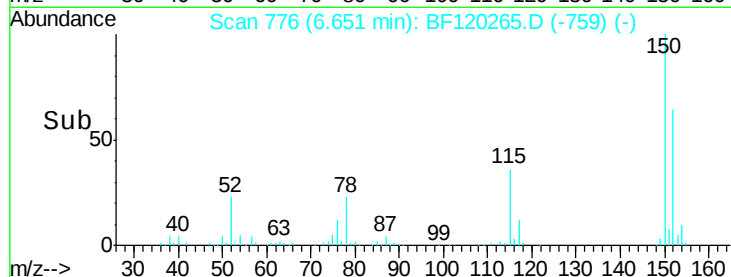
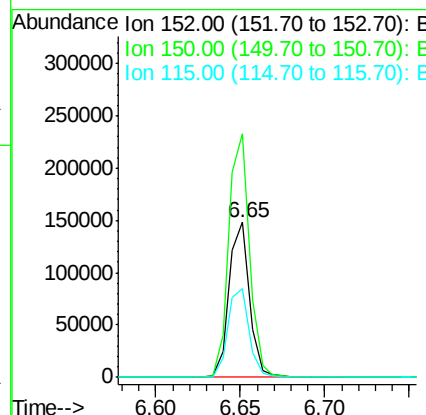
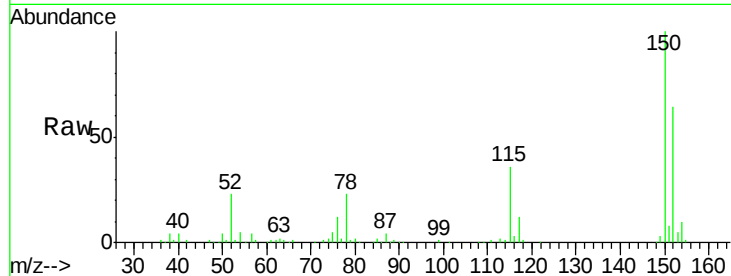


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.65 min Scan# 776
Delta R.T. 0.00 min
Lab File: BF120265.D
Acq: 1 May 2020 18:26

Instrument :
BNA_F
ClientSampleId :
TP-10

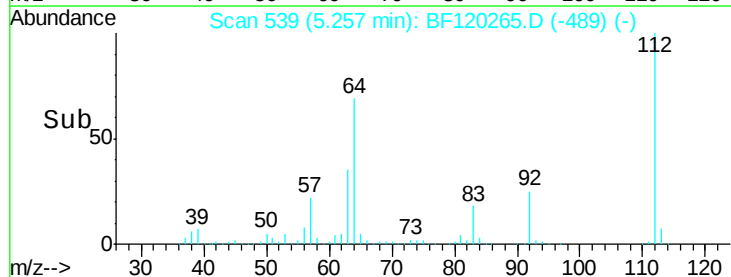
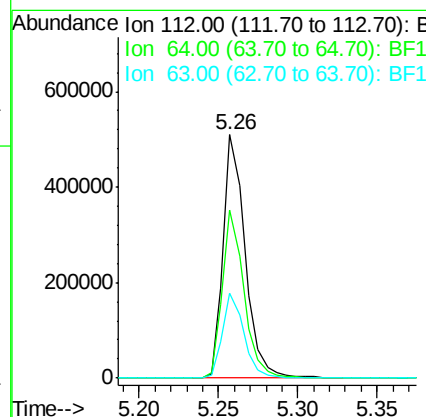
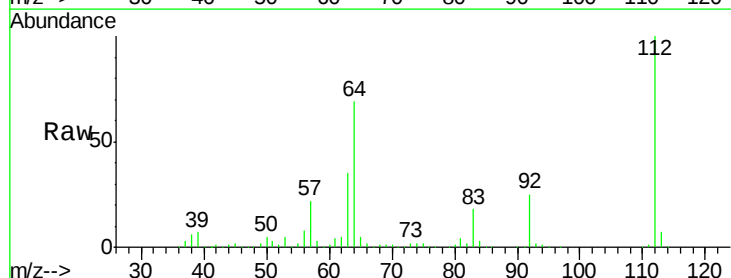
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Ion Ratio Lower Upper
152 100
150 157.4 124.5 186.7
115 57.0 49.6 74.4

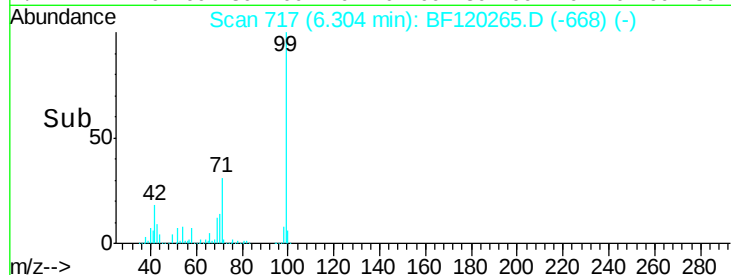
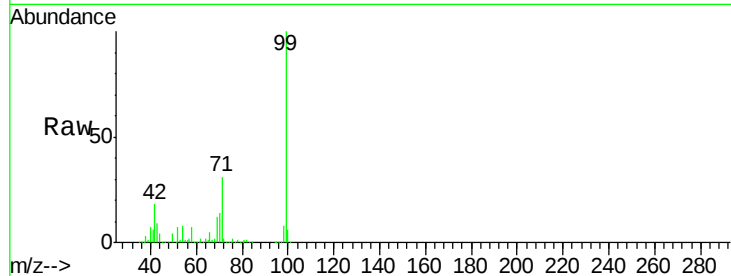
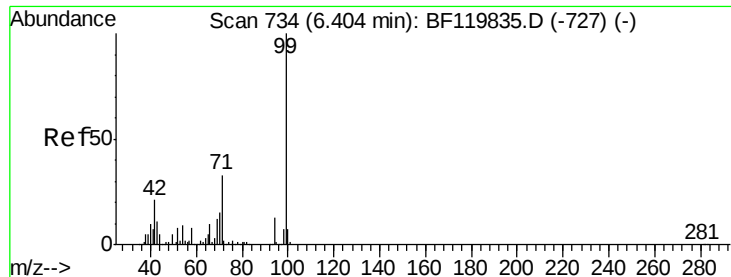


#5

2-Fluorophenol
Concen: 68.293 ng
RT: 5.26 min Scan# 539
Delta R.T. -0.01 min
Lab File: BF120265.D
Acq: 1 May 2020 18:26

Tgt Ion:112 Resp: 494112
Ion Ratio Lower Upper
112 100
64 68.9 56.7 85.1
63 34.6 29.5 44.3





#7

Phenol-d6

Concen: 68.733 ng

RT: 6.30 min Scan# 717

Delta R.T. -0.01 min

Lab File: BF120265.D

Acq: 1 May 2020 18:26

Instrument :

BNA_F

ClientSampleId :

TP-10

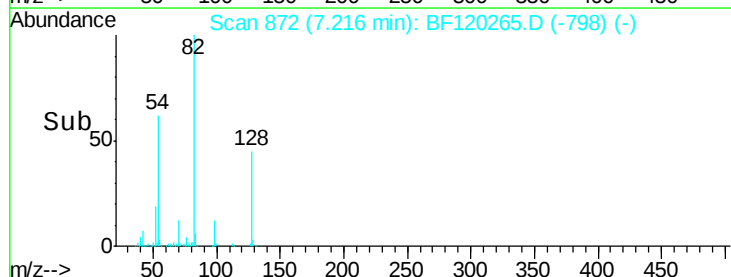
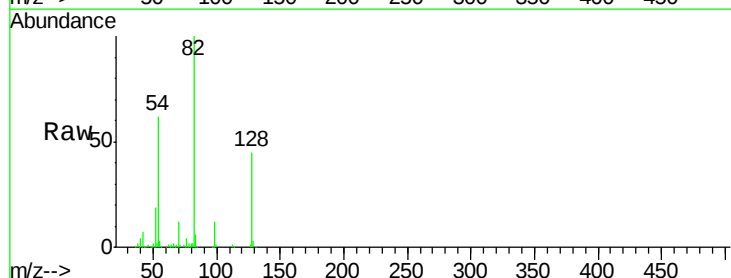
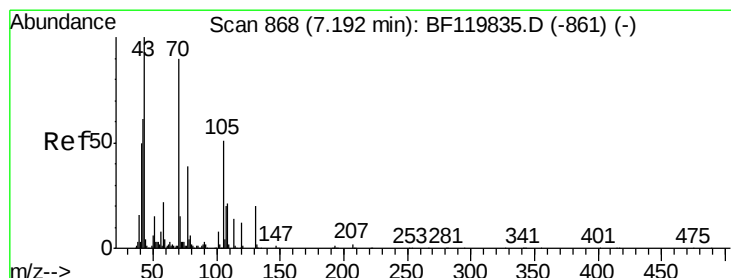
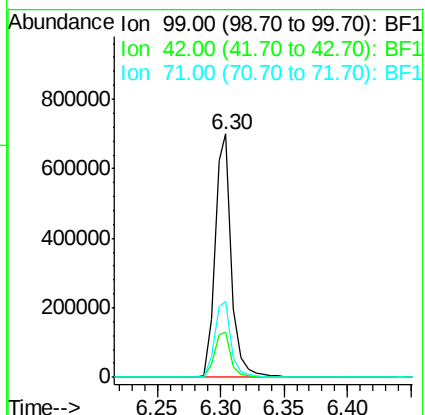
Tot Ion: 99 Resp: 640791

Ion Ratio Lower Upper

99 100

42 18.3 16.6 24.8

71 31.2 26.4 39.6



#19

n-Nitroso-di-n-propylamine

Concen: 8.341 ng

RT: 7.22 min Scan# 872

Delta R.T. 0.14 min

Lab File: BF120265.D

Acq: 1 May 2020 18:26

Tgt Ion: 70 Resp: 50006

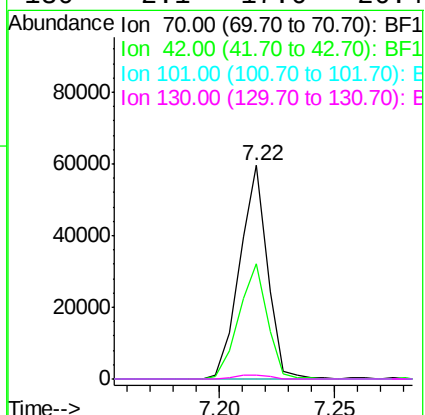
Ion Ratio Lower Upper

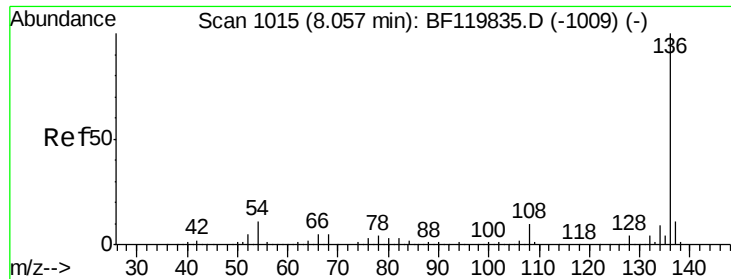
70 100

42 54.1 54.5 81.7#

101 0.0 7.6 11.4#

130 2.1 17.6 26.4#

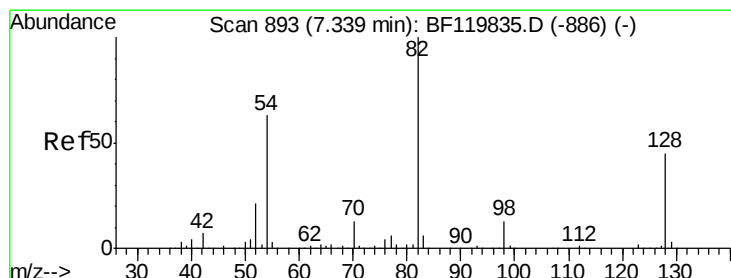
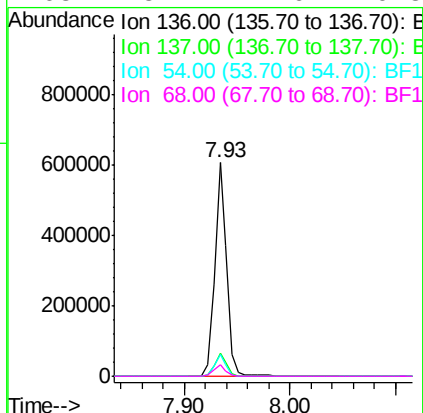
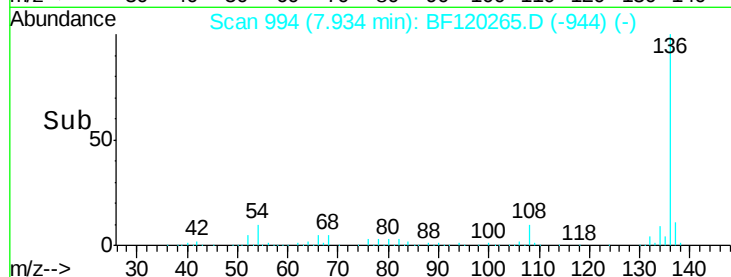
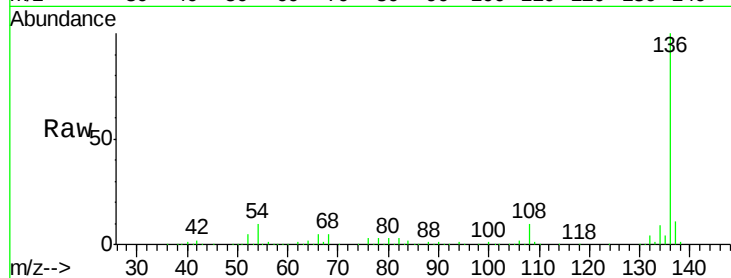




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 7.93 min Scan# 994
Delta R.T. -0.01 min
Lab File: BF120265.D
Acq: 1 May 2020 18:26

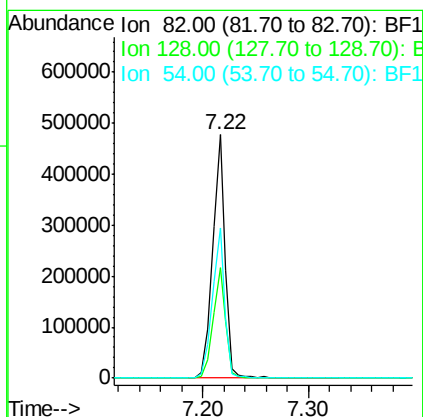
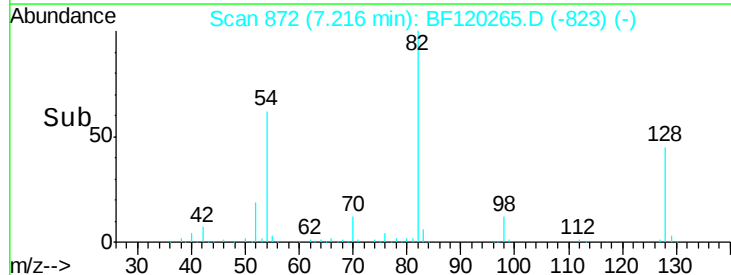
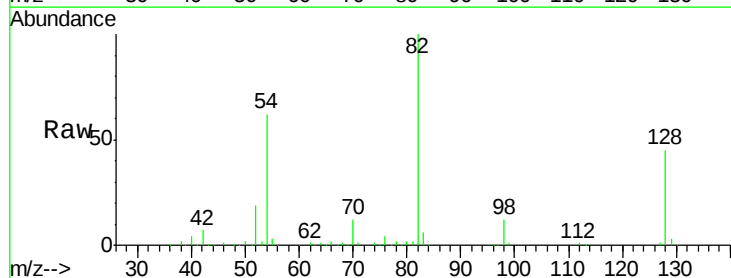
Instrument :
BNA_F
ClientSampleId :
TP-10

Tot Ion:	136	Resp:	482559
Ion	Ratio	Lower	Upper
136	100		
137	10.6	8.7	13.1
54	9.9	9.1	13.7
68	5.4	4.6	6.8



#23
Nitrobenzene-d5
Concen: 43.050 ng
RT: 7.22 min Scan# 872
Delta R.T. -0.01 min
Lab File: BF120265.D
Acq: 1 May 2020 18:26

Tgt Ion:	82	Resp:	401561
Ion	Ratio	Lower	Upper
82	100		
128	45.3	36.3	54.5
54	61.7	50.6	75.8

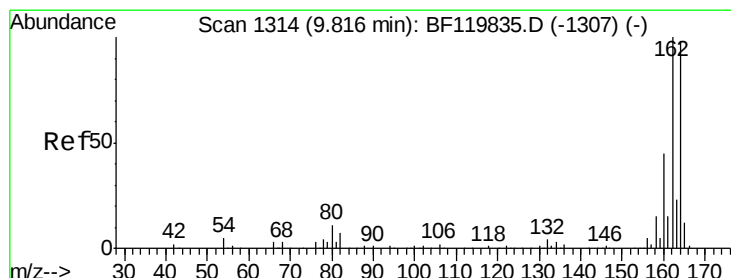
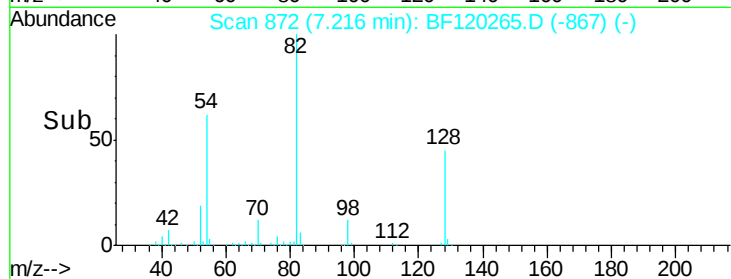
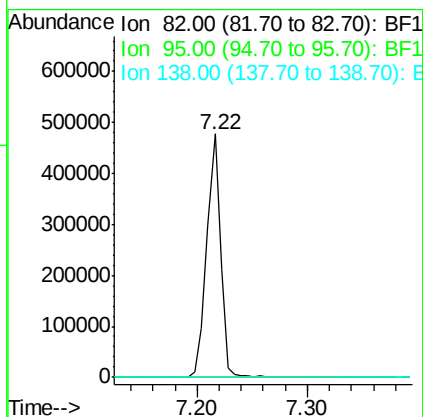
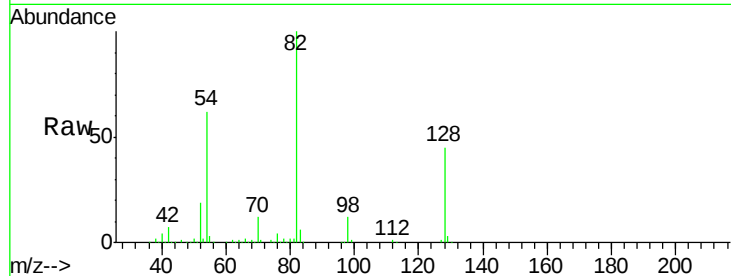




#25
Isophorone
Concen: 22.332 ng
RT: 7.22 min Scan# 872
Delta R.T. -0.27 min
Lab File: BF120265.D
Acq: 1 May 2020 18:26

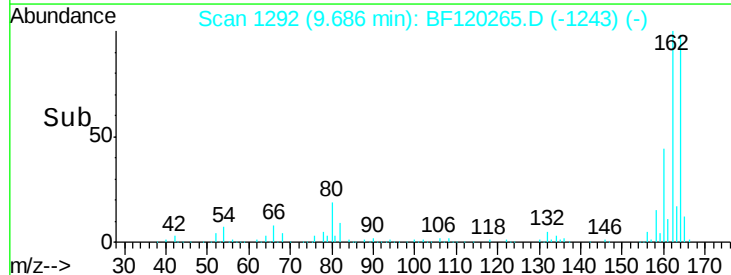
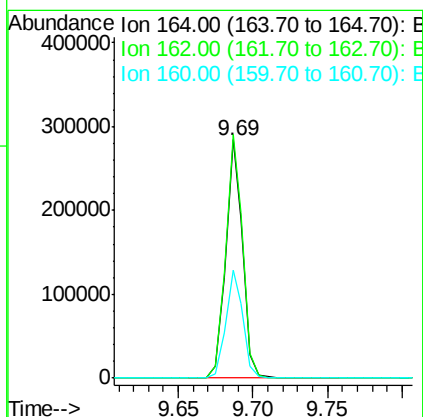
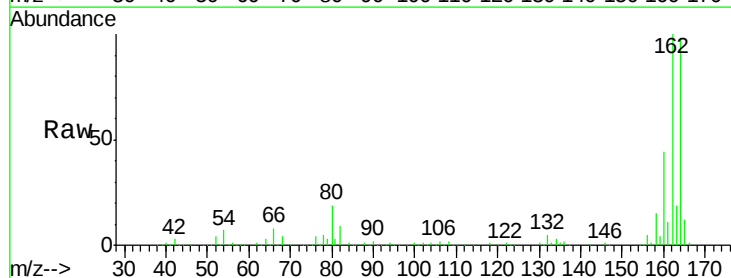
Instrument :
BNA_F
ClientSampled :
TP-10

Tot Ion: 82 Resp: 401557
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: BF120265.D
Acq: 1 May 2020 18:26

Tgt Ion: 164 Resp: 227040
Ion Ratio Lower Upper
164 100
162 102.2 80.6 121.0
160 45.1 35.7 53.5

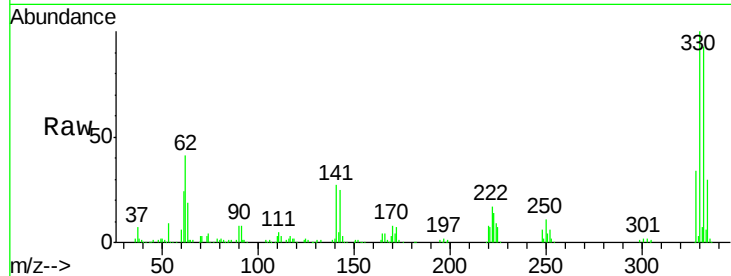




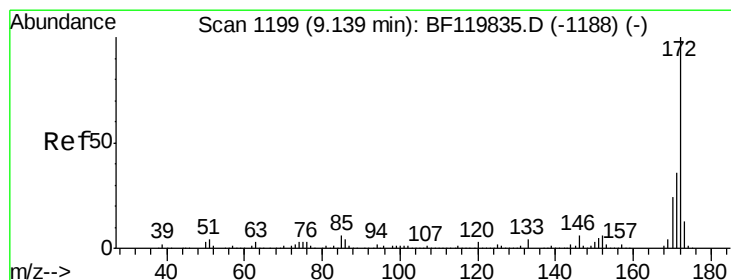
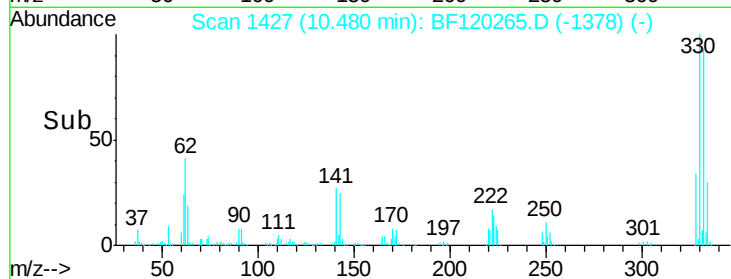
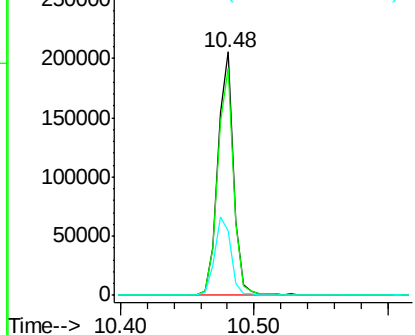
#42
 2,4,6-Tribromophenol
 Concen: 61.611 ng
 RT: 10.48 min Scan# 1427
 Delta R.T. -0.01 min
 Lab File: BF120265.D
 Acq: 1 May 2020 18:26

Instrument :
 BNA_F
 ClientSampled :
 TP-10

Tot Ion:330 Resp: 171262
 Ion Ratio Lower Upper
 330 100
 332 95.0 75.7 113.5
 141 34.0 25.4 38.0

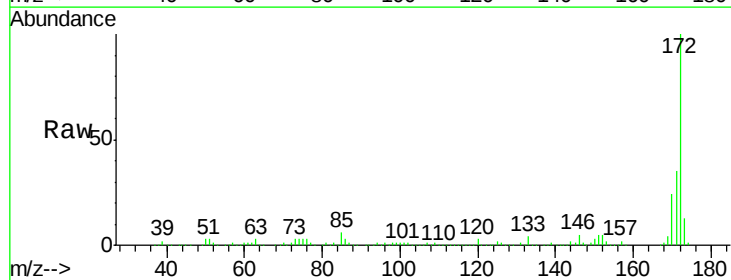


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

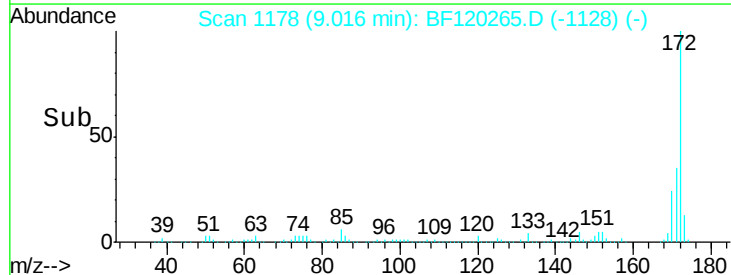
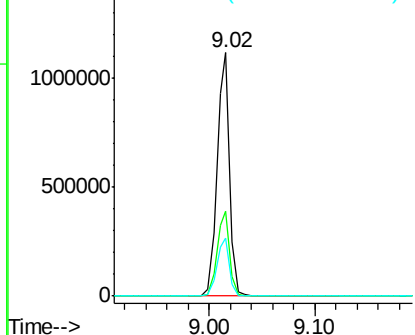


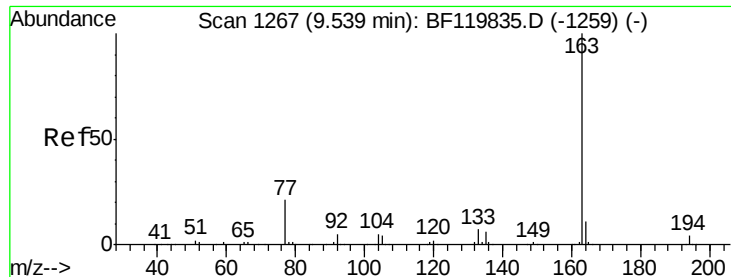
#45
 2-Fluorobiphenyl
 Concen: 58.743 ng
 RT: 9.02 min Scan# 1178
 Delta R.T. -0.01 min
 Lab File: BF120265.D
 Acq: 1 May 2020 18:26

Tgt Ion:172 Resp: 939366
 Ion Ratio Lower Upper
 172 100
 171 35.0 29.6 44.4
 170 23.6 20.2 30.2



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





#50

Dimethylphthalate

Concen: 5.297 ng

RT: 9.41 min Scan# 1245

Delta R.T. -0.02 min

Lab File: BF120265.D

Acq: 1 May 2020 18:26

Instrument :

BNA_F

ClientSampleId :

TP-10

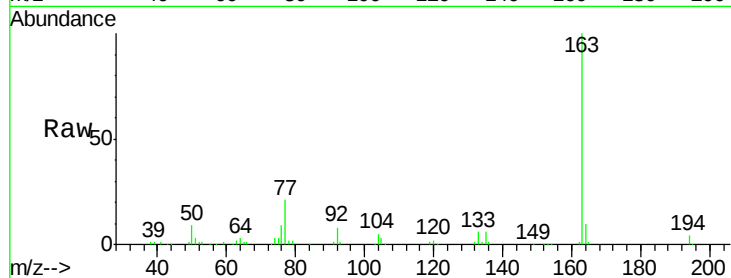
Tot Ion:163 Resp: 93015

Ion Ratio Lower Upper

163 100

194 4.0 3.1 4.7

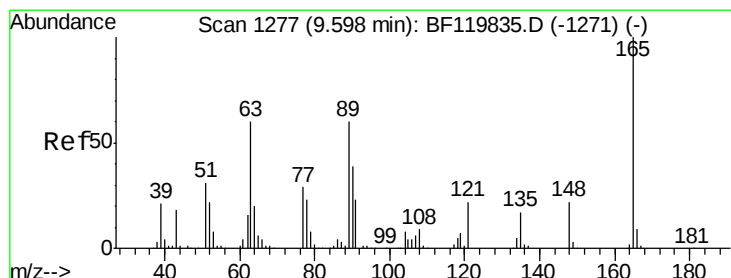
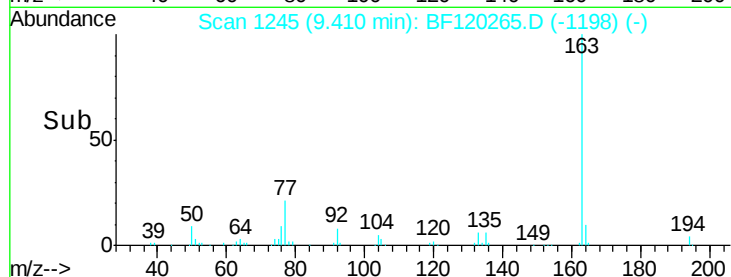
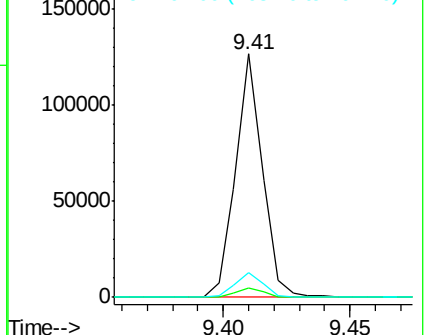
164 10.1 8.2 12.2



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: 7.454 ng

RT: 9.69 min Scan# 1292

Delta R.T. 0.19 min

Lab File: BF120265.D

Acq: 1 May 2020 18:26

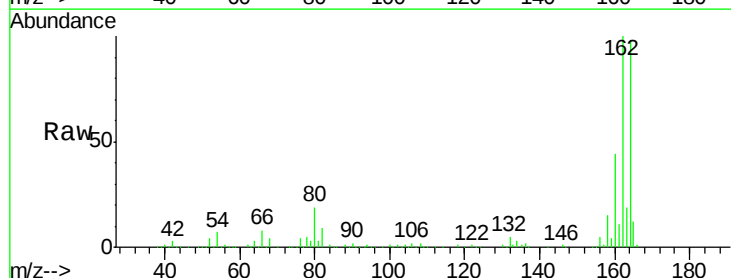
Tgt Ion:165 Resp: 28665

Ion Ratio Lower Upper

165 100

63 0.9 45.0 67.4#

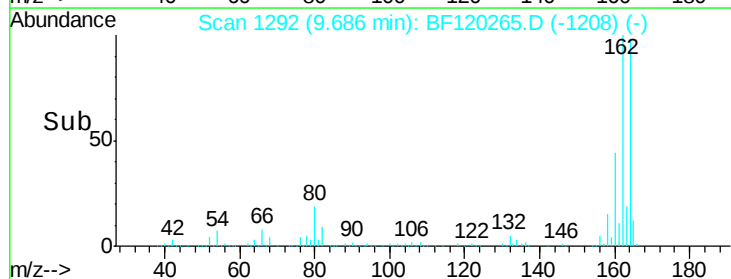
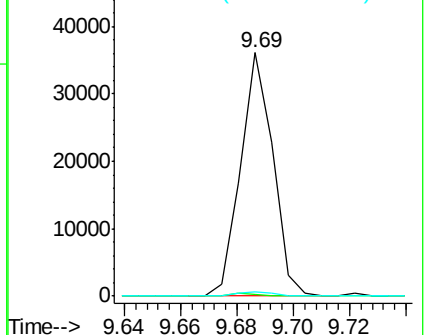
89 1.7 41.5 62.3#

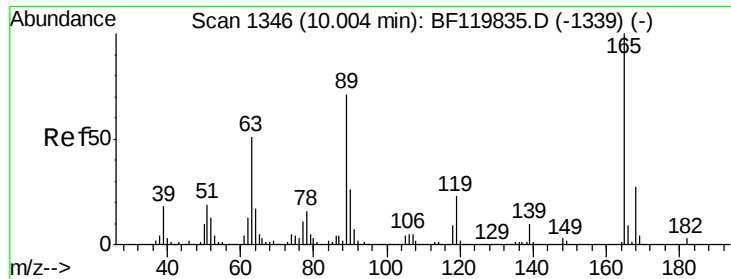


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1

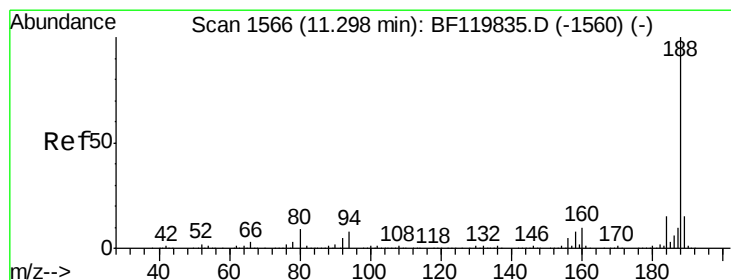
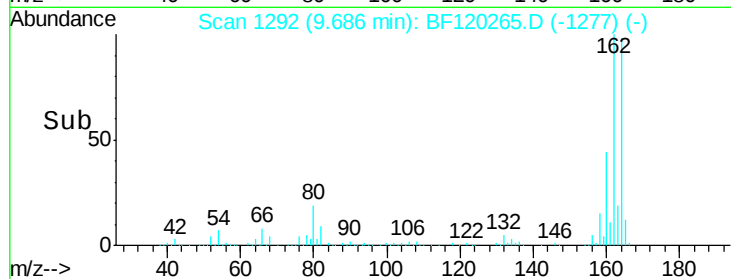
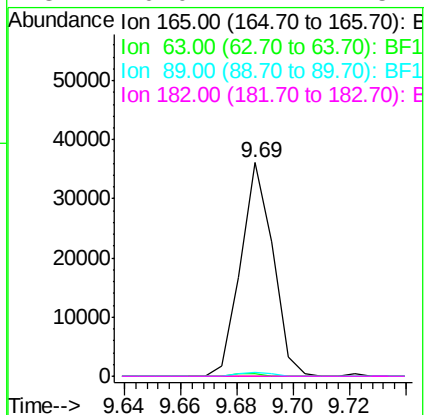
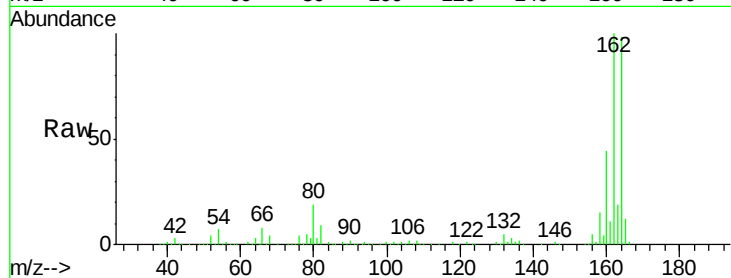




#57
 2,4-Dinitrotoluene
 Concen: 5.658 ng
 RT: 9.69 min Scan# 1292
 Delta R.T. -0.21 min
 Lab File: BF120265.D
 Acq: 1 May 2020 18:26

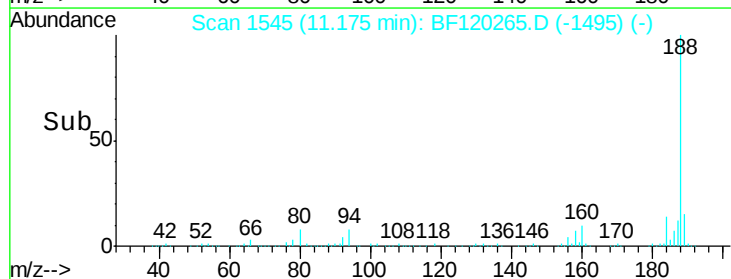
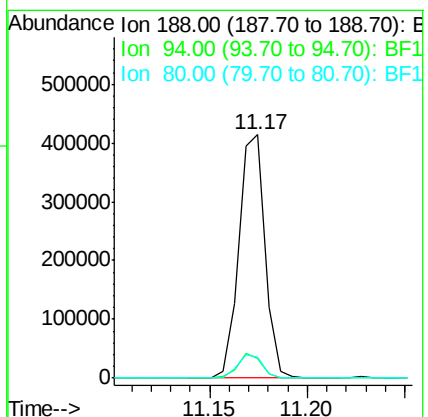
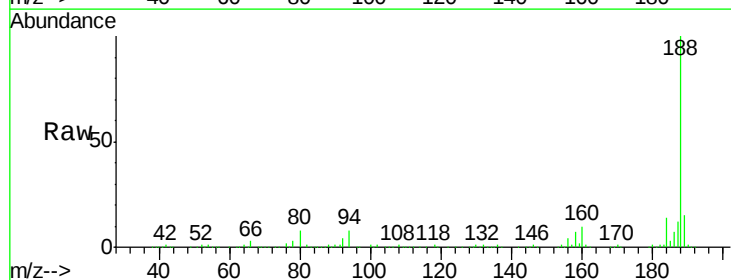
Instrument :
 BNA_F
 ClientSampleId :
 TP-10

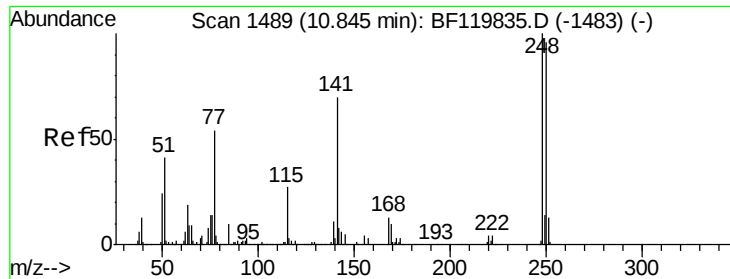
Tot Ion:165	Resp:	28665
Ion Ratio	Lower	Upper
165	100	
63	0.9	42.6 64.0#
89	1.7	61.0 91.4#
182	0.0	2.2 3.2#



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.17 min Scan# 1545
 Delta R.T. -0.01 min
 Lab File: BF120265.D
 Acq: 1 May 2020 18:26

Tgt Ion:188	Resp:	384947
Ion Ratio	Lower	Upper
188	100	
94	7.9	7.5 11.3
80	8.4	9.0 13.4#

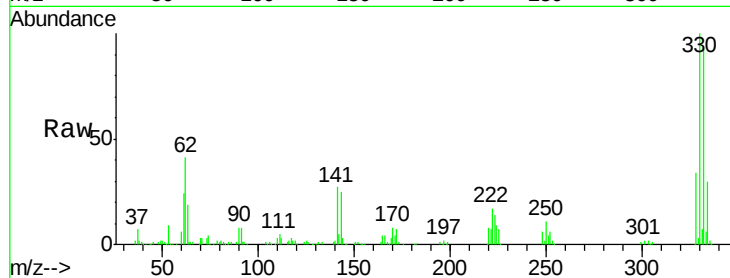




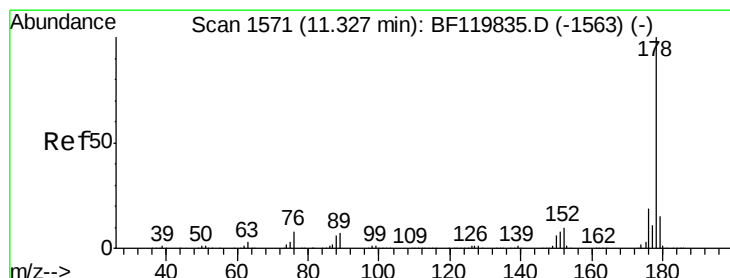
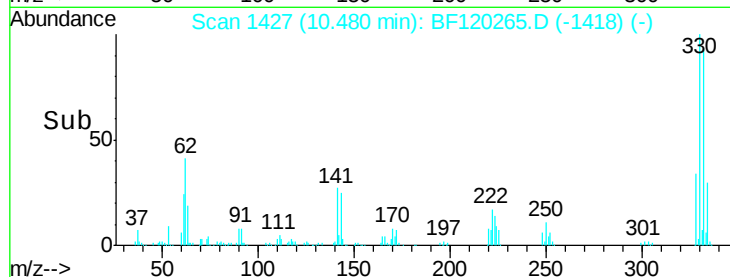
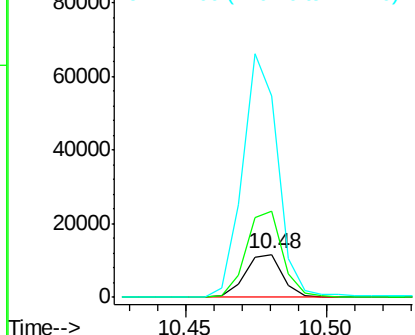
#67
 4-Bromophenyl-phenylether
 Concen: 2.217 ng
 RT: 10.48 min Scan# 1427
 Delta R.T. -0.25 min
 Lab File: BF120265.D
 Acq: 1 May 2020 18:26

Instrument :
 BNA_F
 ClientSampleId :
 TP-10

Tot Ion:248 Resp: 10612
 Ion Ratio Lower Upper
 248 100
 250 202.4 77.3 115.9#
 141 471.8 58.6 87.8#

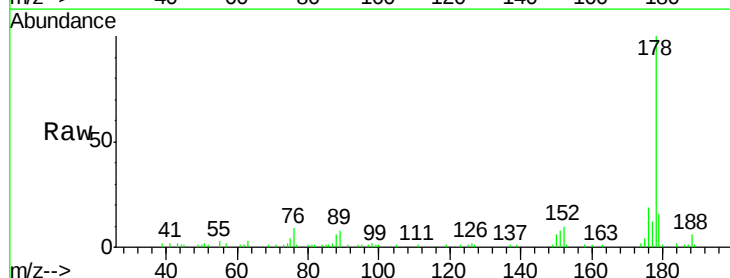


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

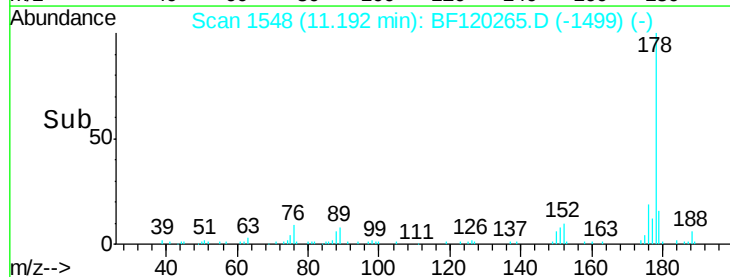
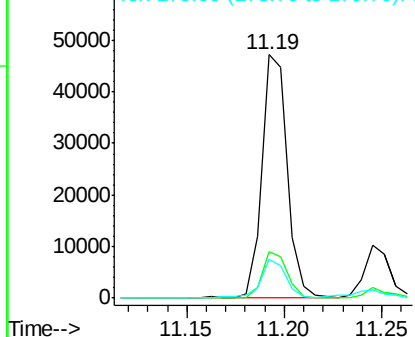


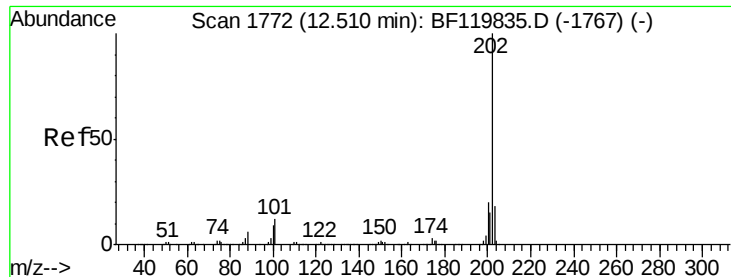
#71
 Phenanthrene
 Concen: 2.071 ng
 RT: 11.19 min Scan# 1548
 Delta R.T. -0.01 min
 Lab File: BF120265.D
 Acq: 1 May 2020 18:26

Tgt Ion:178 Resp: 42425
 Ion Ratio Lower Upper
 178 100
 176 18.9 16.2 24.4
 179 15.9 13.2 19.8



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





#75

Fluoranthene

Concen: 4.436 ng

RT: 12.39 min Scan# 1751

Delta R.T. -0.01 min

Lab File: BF120265.D

Acq: 1 May 2020 18:26

Instrument :

BNA_F

ClientSampled :

TP-10

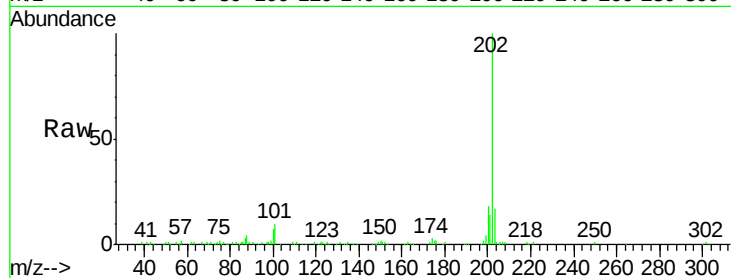
Tot Ion:202 Resp: 98051

Ion Ratio Lower Upper

202 100

101 9.7 0.0 32.2

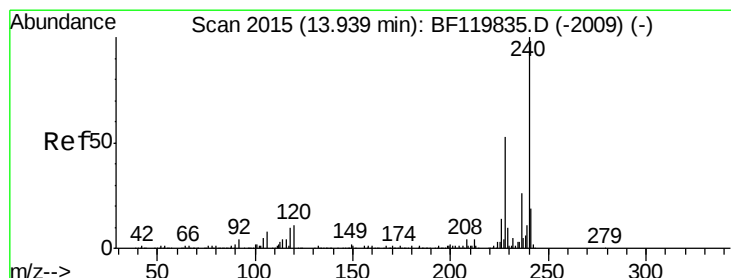
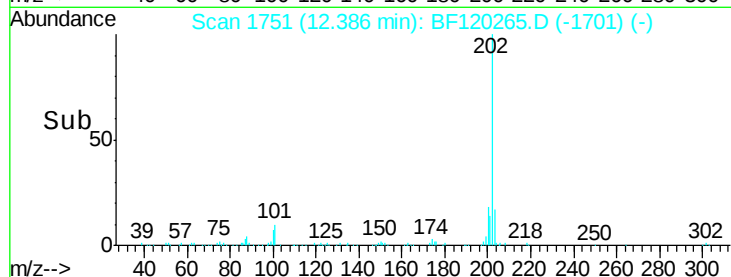
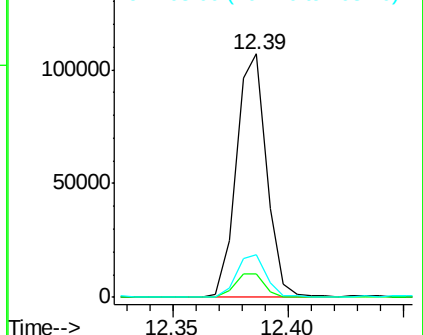
203 17.5 0.0 38.8



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: 13.81 min Scan# 1993

Delta R.T. -0.02 min

Lab File: BF120265.D

Acq: 1 May 2020 18:26

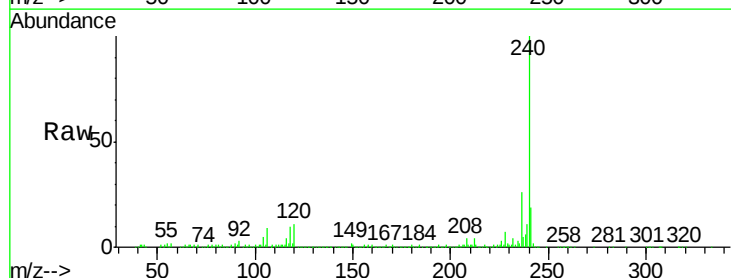
Tgt Ion:240 Resp: 286337

Ion Ratio Lower Upper

240 100

120 11.3 10.6 15.8

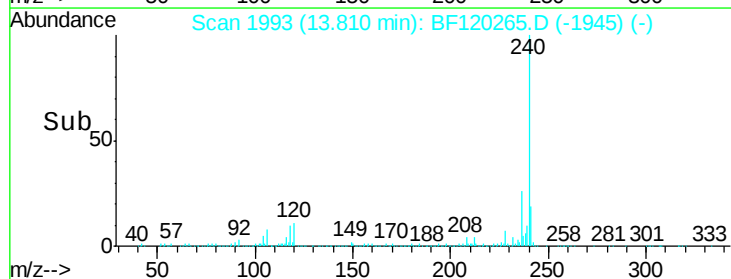
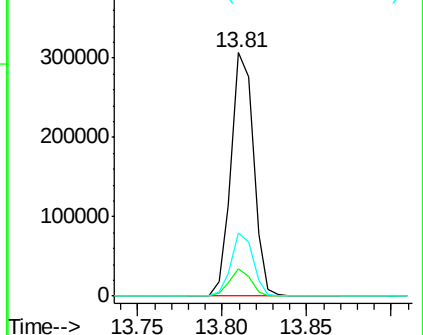
236 25.8 20.2 30.2

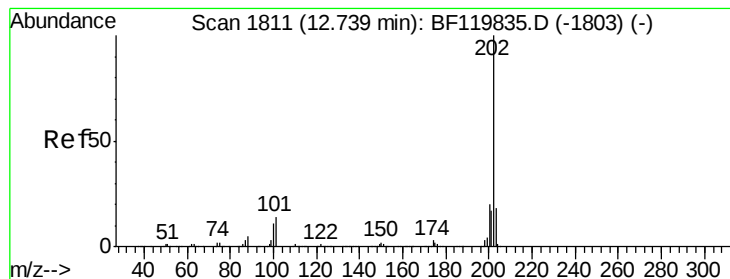


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#78

Pvrene

Concen: 3.518 ng

RT: 12.61 min Scan# 1789

Delta R.T. -0.01 min

Lab File: BF120265.D

Acq: 1 May 2020 18:26

Instrument :

BNA_F

ClientSampleId :

TP-10

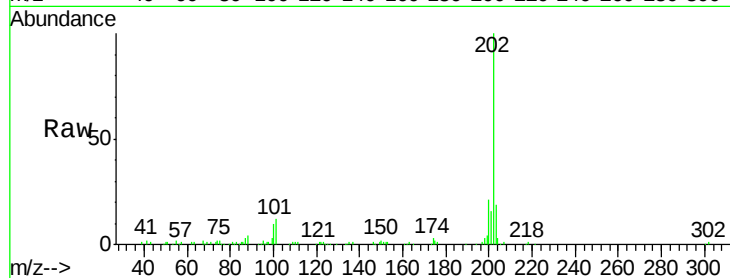
Tot Ion:202 Resp: 84924

Ion Ratio Lower Upper

202 100

200 20.7 16.8 25.2

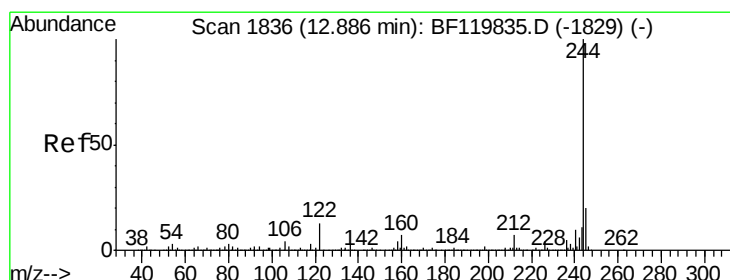
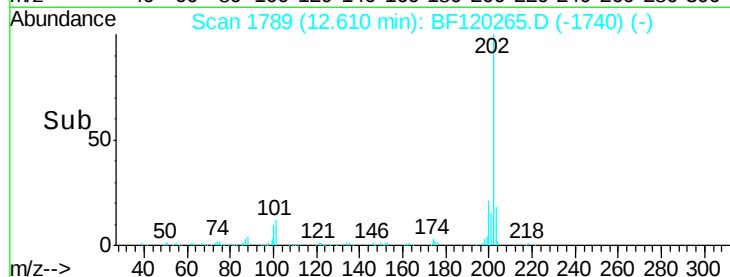
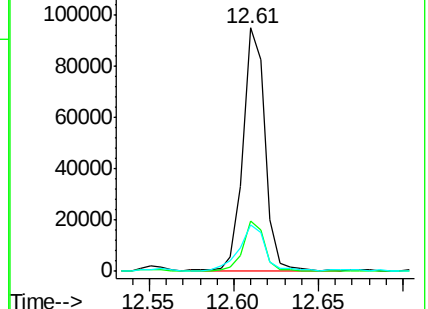
203 18.9 15.1 22.7



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E



#79

Terphenyl-d14

Concen: 49.776 ng

RT: 12.76 min Scan# 1815

Delta R.T. -0.01 min

Lab File: BF120265.D

Acq: 1 May 2020 18:26

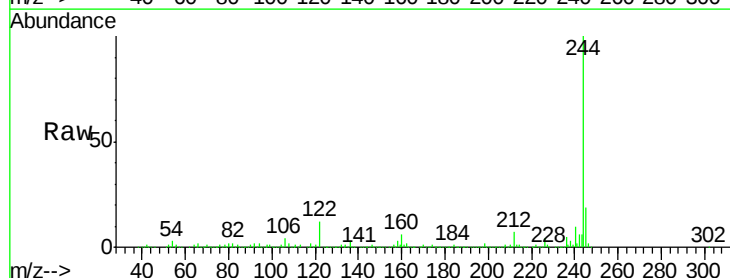
Tgt Ion:244 Resp: 847039

Ion Ratio Lower Upper

244 100

212 6.9 5.8 8.8

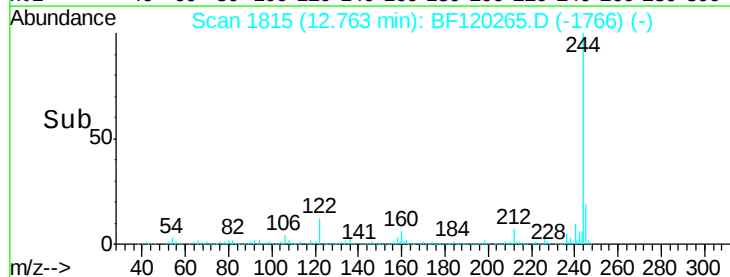
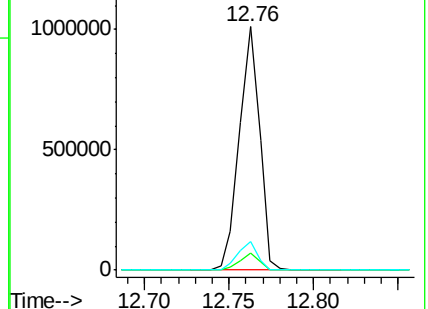
122 11.6 10.3 15.5

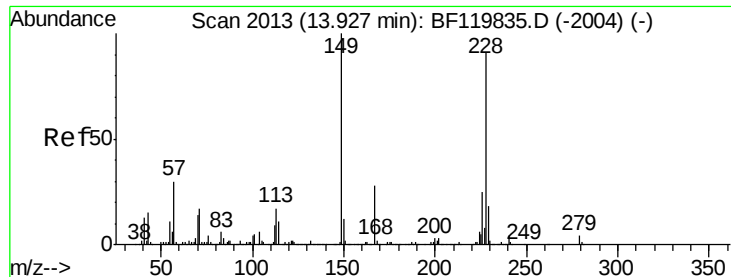


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#81

Benzo(a)anthracene

Concen: 3.055 ng

RT: 13.84 min Scan# 1998

Delta R.T. 0.03 min

Lab File: BF120265.D

Acq: 1 May 2020 18:26

Instrument :

BNA_F

ClientSampleId :

TP-10

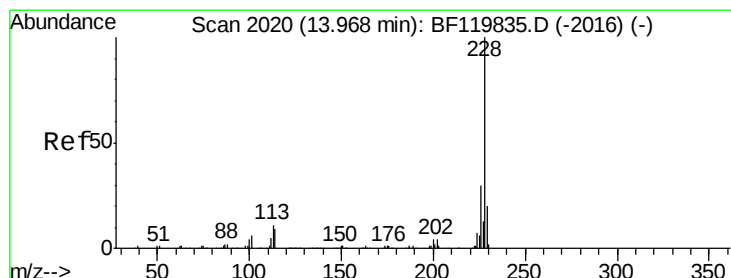
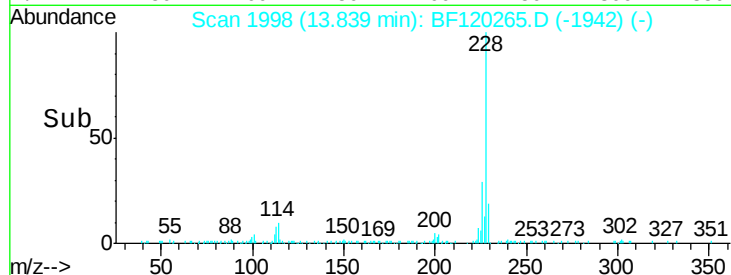
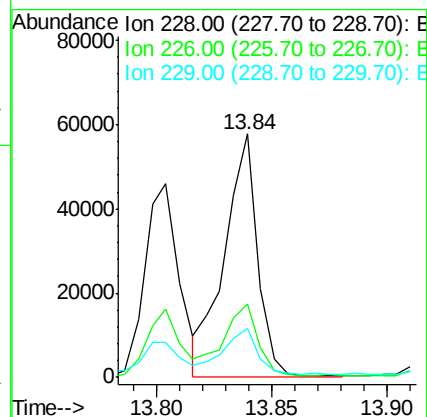
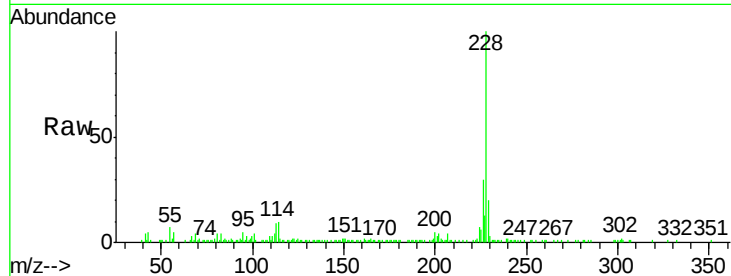
Tot Ion:228 Resp: 57540

Ion Ratio Lower Upper

228 100

226 29.9 21.8 32.8

229 20.1 16.2 24.4



#83

Chrysene

Concen: 3.006 ng

RT: 13.84 min Scan# 1998

Delta R.T. -0.01 min

Lab File: BF120265.D

Acq: 1 May 2020 18:26

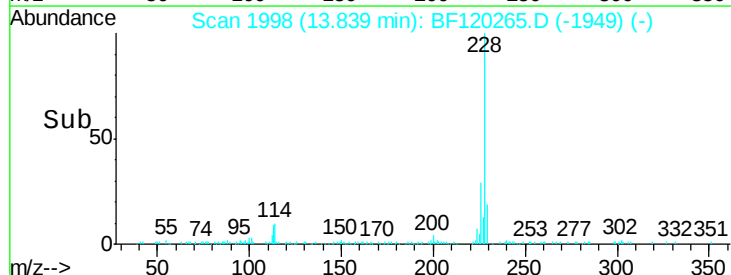
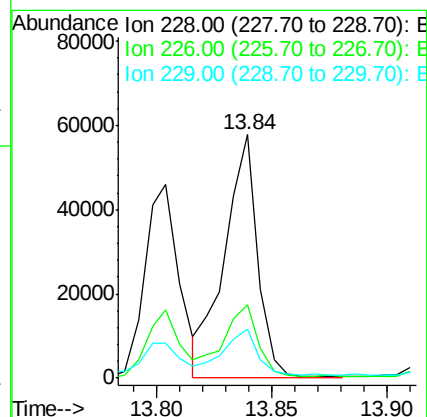
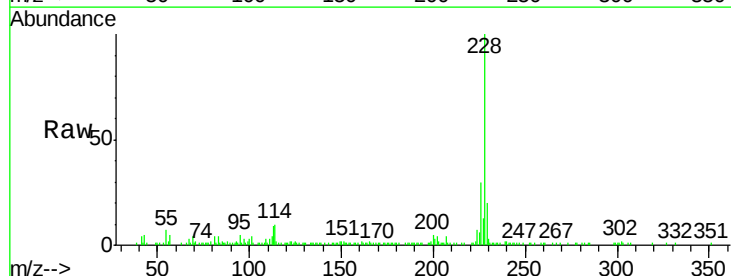
Tgt Ion:228 Resp: 57540

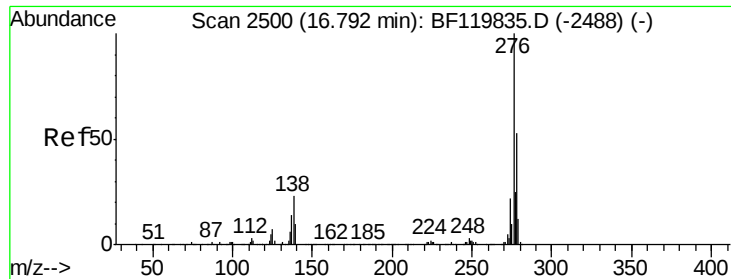
Ion Ratio Lower Upper

228 100

226 29.9 25.4 38.0

229 20.1 16.6 24.8

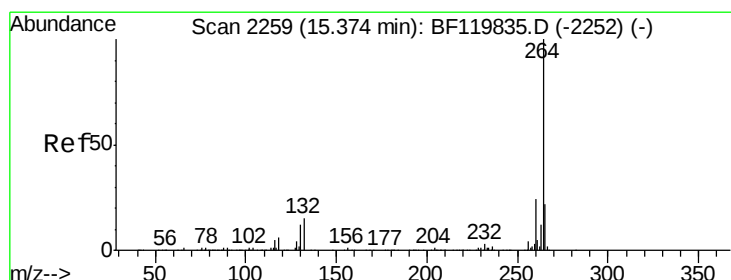
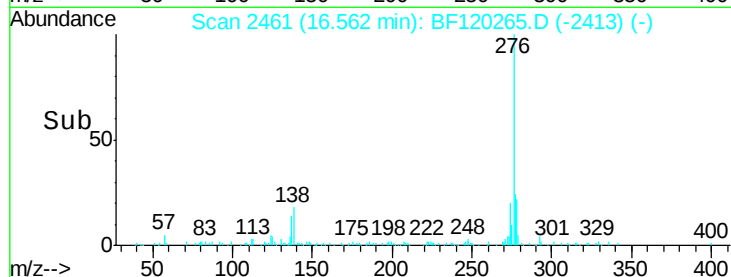
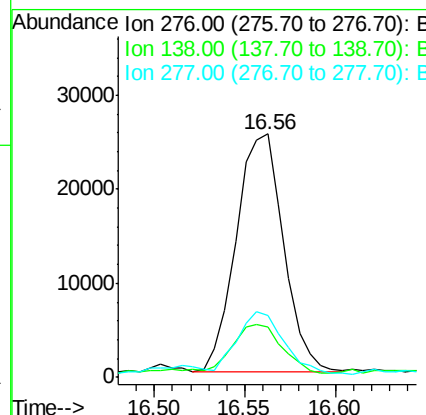
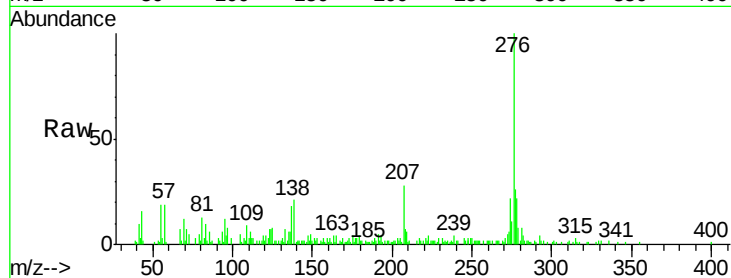




#86
 Indeno(1,2,3-cd)pyrene
 Concen: 2.719 ng
 RT: 16.56 min Scan# 2461
 Delta R.T. -0.02 min
 Lab File: BF120265.D
 Acq: 1 May 2020 18:26

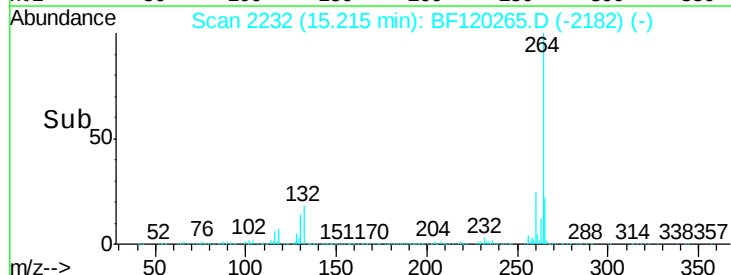
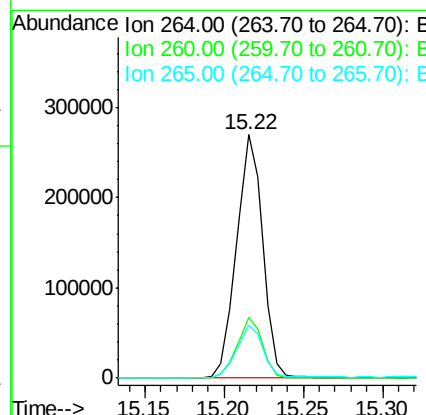
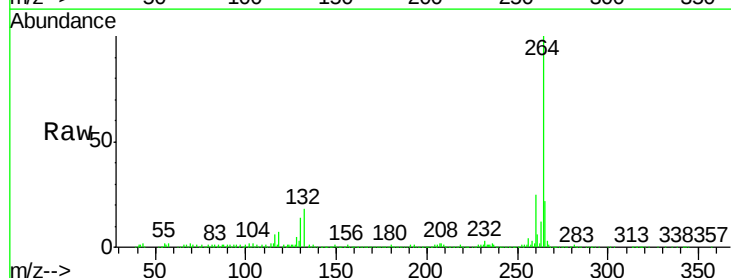
Instrument :
 BNA_F
 ClientSampleId :
 TP-10

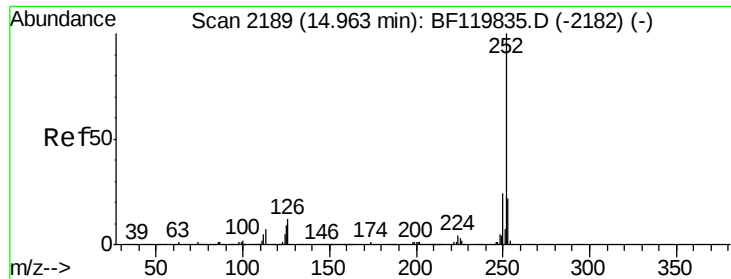
Tot Ion:276 Resp: 45873
 Ion Ratio Lower Upper
 276 100
 138 20.7 19.6 29.4
 277 25.8 20.0 30.0



#87
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.22 min Scan# 2232
 Delta R.T. -0.01 min
 Lab File: BF120265.D
 Acq: 1 May 2020 18:26

Tgt Ion:264 Resp: 309936
 Ion Ratio Lower Upper
 264 100
 260 24.7 18.7 28.1
 265 21.9 17.7 26.5

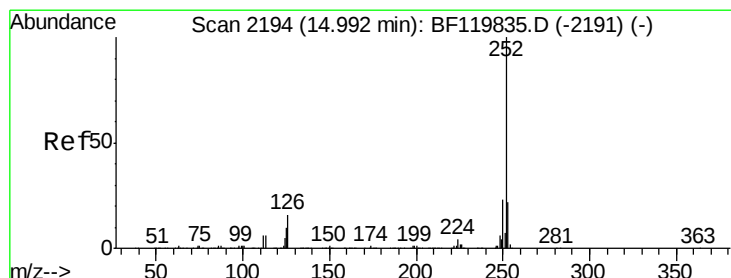
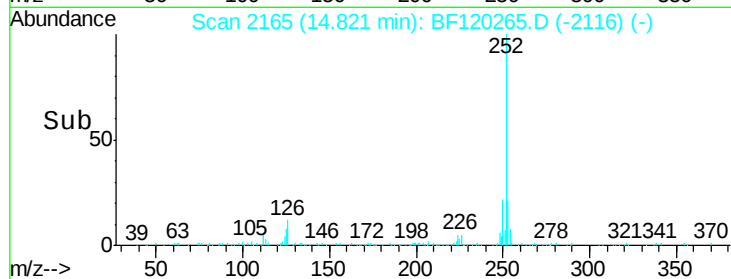
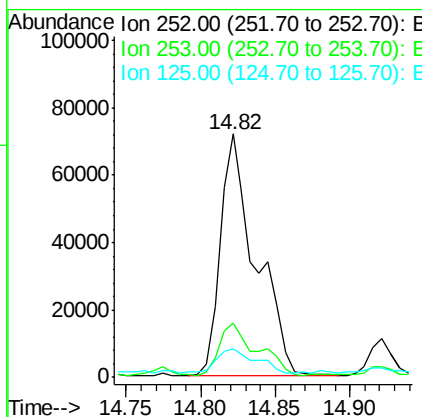
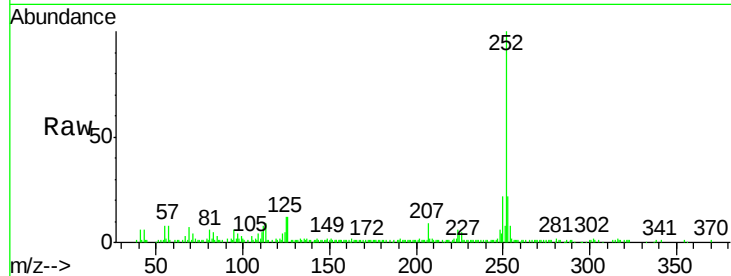




#88
Benzo(b)fluoranthene
Concen: 5.328 ng
RT: 14.82 min Scan# 2165
Delta R.T. -0.01 min
Lab File: BF120265.D
Acq: 1 May 2020 18:26

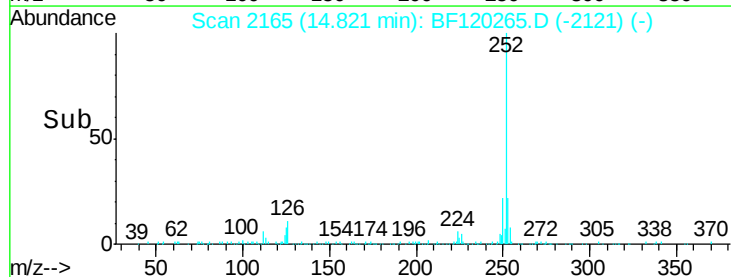
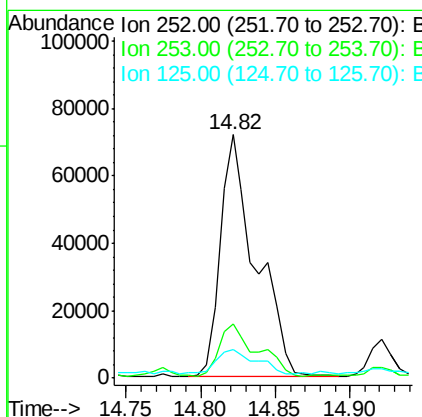
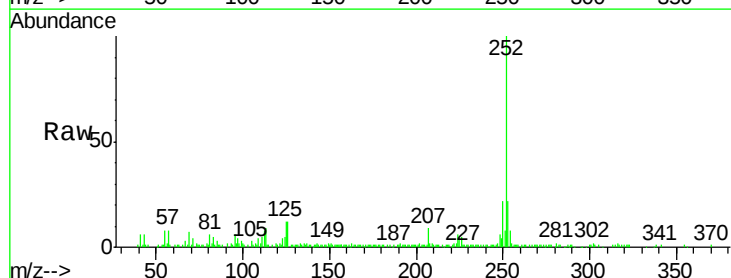
Instrument :
BNA_F
ClientSampleId :
TP-10

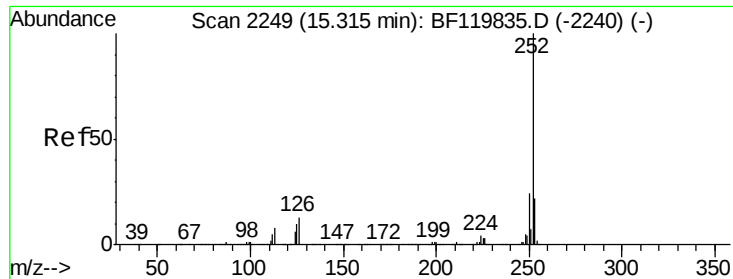
Tot Ion	Ratio	Lower	Upper
252	100		
253	22.2	17.4	26.0
125	11.8	7.9	11.9



#89
Benzo(k)fluoranthene
Concen: 6.175 ng
RT: 14.82 min Scan# 2165
Delta R.T. -0.04 min
Lab File: BF120265.D
Acq: 1 May 2020 18:26

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.2	17.8	26.6
125	11.8	8.4	12.6

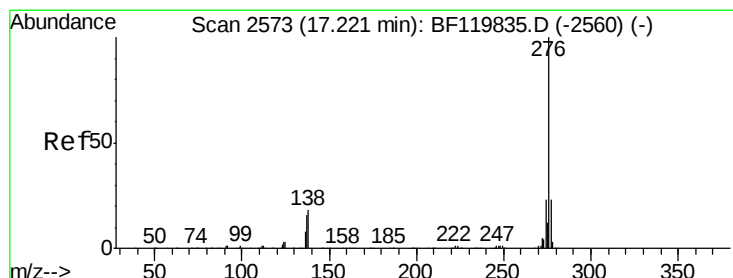
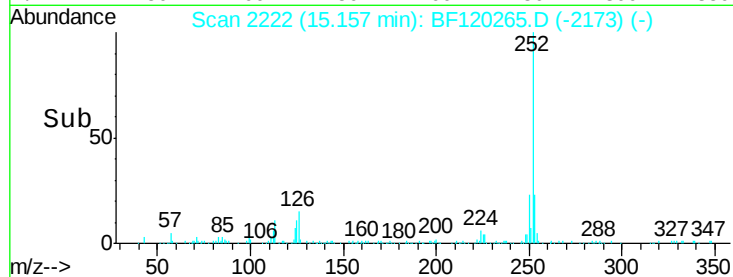
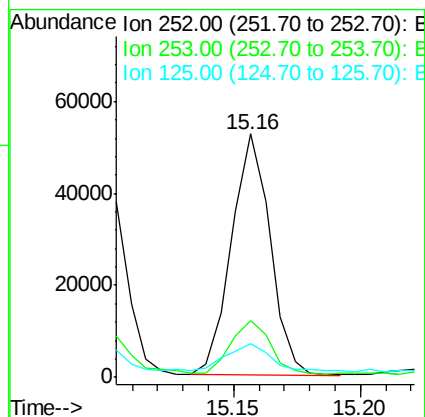
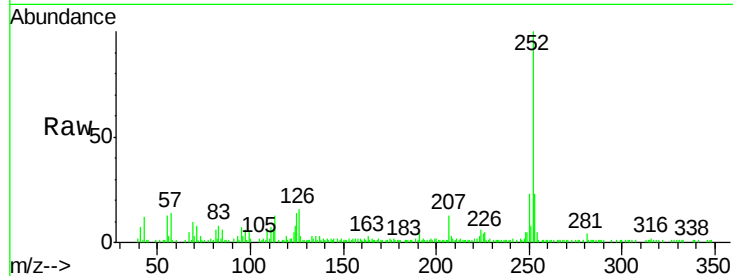




#90
Benzo(a)pyrene
Concen: 2.965 ng
RT: 15.16 min Scan# 2222
Delta R.T. -0.01 min
Lab File: BF120265.D
Acq: 1 May 2020 18:26

Instrument :
BNA_F
ClientSampleId :
TP-10

Tot Ion:252 Resp: 55590
Ion Ratio Lower Upper
252 100
253 23.4 18.2 27.2
125 14.0 9.4 14.2



#92
Benzo(g,h,i)perylene
Concen: 2.833 ng
RT: 16.96 min Scan# 2529
Delta R.T. -0.02 min
Lab File: BF120265.D
Acq: 1 May 2020 18:26

Tgt Ion:276 Resp: 46430
Ion Ratio Lower Upper
276 100
277 22.2 18.4 27.6
138 20.2 15.4 23.0

