

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF042020\
 Data File : BF120091.D
 Acq On : 20 Apr 2020 21:24
 Operator : MA/SJ
 Sample : L2314-05
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Apr 21 01:10:24 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF040820.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Apr 20 14:10:57 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.71	152	154579	20.00	ng	0.00
21) Naphthalene-d8	8.00	136	572596	20.00	ng	0.00
39) Acenaphthene-d10	9.76	164	278348	20.00	ng	0.00
64) Phenanthrene-d10	11.24	188	478816	20.00	ng	-0.01
76) Chrysene-d12	13.89	240	320397	20.00	ng	-0.01
87) Perylene-d12	15.31	264	286058	20.00	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.32	112	637229	71.24	ng	0.00
7) Phenol-d6	6.36	99	824973	71.58	ng	0.00
23) Nitrobenzene-d5	7.28	82	512784	46.33	ng	-0.01
42) 2,4,6-Tribromophenol	10.55	330	195613	57.40	ng	-0.01
45) 2-Fluorobiphenyl	9.08	172	984605	50.22	ng	0.00
79) Terphenyl-d14	12.83	244	915856	48.10	ng	-0.01

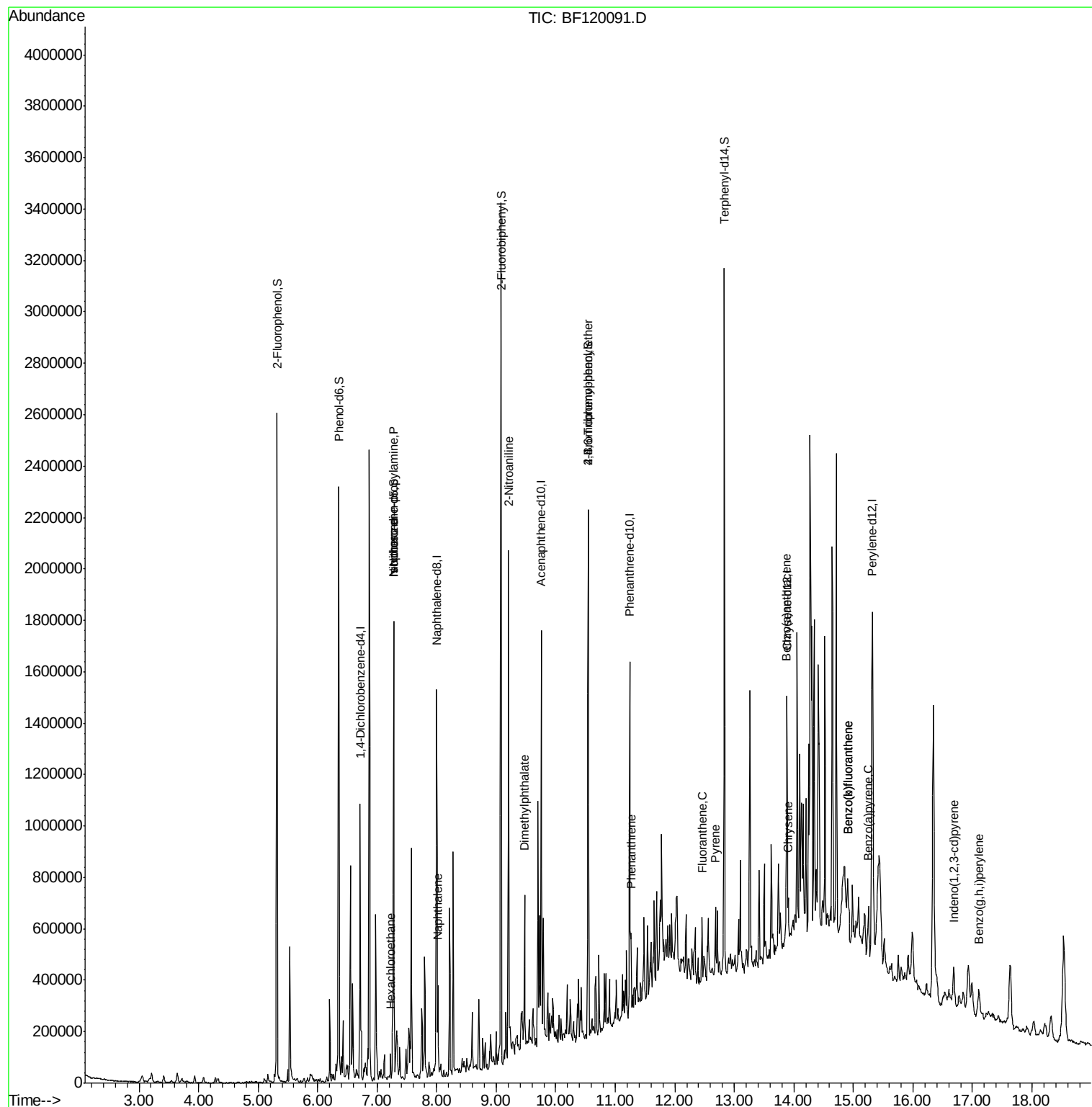
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.27	77	3451	Below Cal		# 1
18) Hexachloroethane	7.22	117	13324	3.199	ng	# 7
19) n-Nitroso-di-n-propylamine	7.28	70	69239	9.342	ng	# 74
25) Isophorone	7.28	82	507161	23.770	ng	# 65
31) Naphthalene	8.02	128	135806	4.508	ng	# 99
48) 2-Nitroaniline	9.20	65	24596	3.750	ng	# 15
50) Dimethylphthalate	9.47	163	181925	8.450	ng	# 99
67) 4-Bromophenyl-phenylether	10.55	248	12475	2.095	ng	# 1
71) Phenanthrene	11.26	178	93634	3.674	ng	# 97
75) Fluoranthene	12.46	202	87802	3.193	ng	# 96
78) Pyrene	12.68	202	110636	4.096	ng	# 99
81) Benzo(a)anthracene	13.87	228	64983	3.083	ng	# 84
83) Chrysene	13.91	228	67983	3.174	ng	# 91
86) Indeno(1,2,3-cd)pyrene	16.69	276	65451	3.467	ng	# 97
88) Benzo(b)fluoranthene	14.90	252	128980	6.268	ng	# 92
89) Benzo(k)fluoranthene	14.90	252	128980	7.264	ng	# 93
90) Benzo(a)pyrene	15.25	252	83030	4.799	ng	# 93
92) Benzo(g,h,i)perylene	17.11	276	71549	4.729	ng	# 97

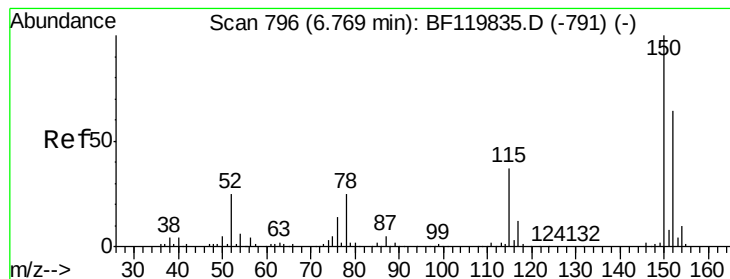
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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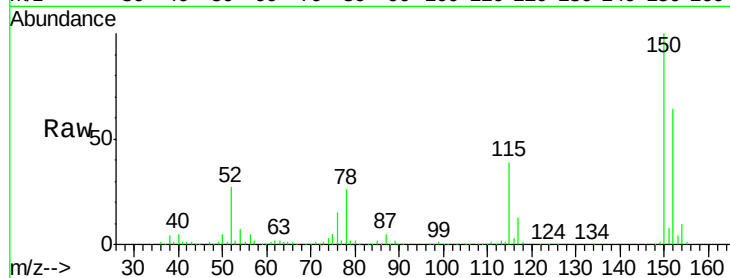


#1

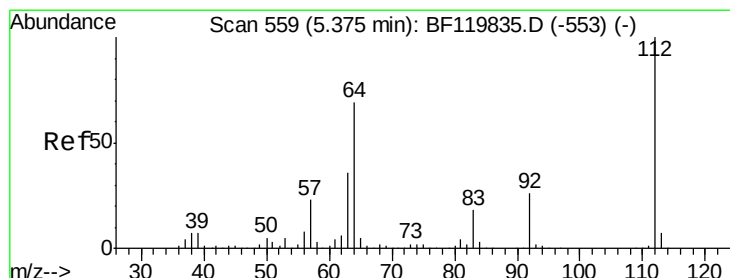
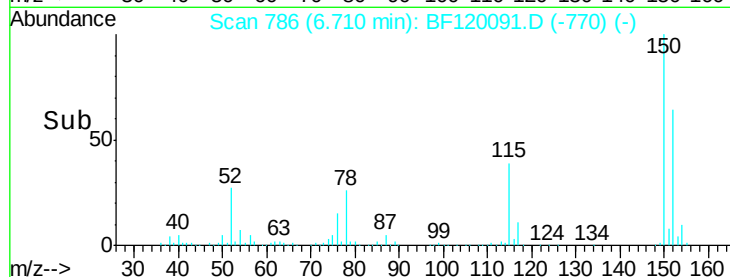
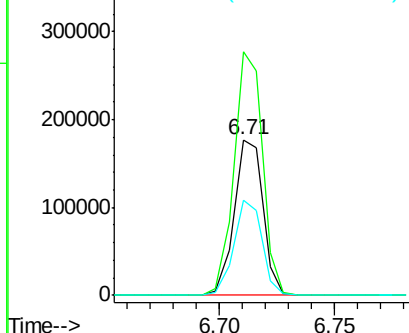
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.71 min Scan# 786
Delta R.T. -0.01 min
Lab File: BF120091.D
Acq: 20 Apr 2020 21:24

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 154579
Ion Ratio Lower Upper
152 100
150 156.1 124.8 187.2
115 61.4 46.5 69.7



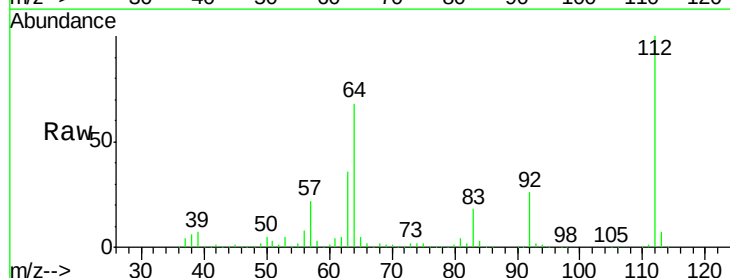
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



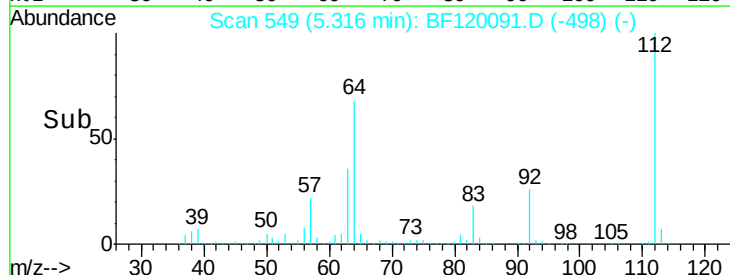
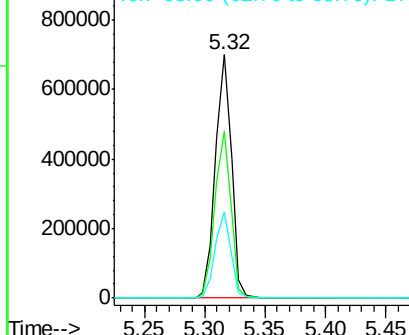
#5

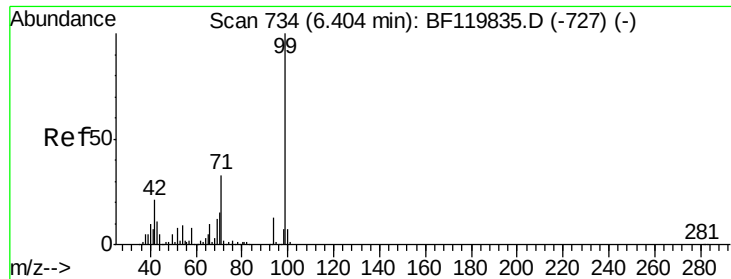
2-Fluorophenol
Concen: 71.242 ng
RT: 5.32 min Scan# 549
Delta R.T. 0.00 min
Lab File: BF120091.D
Acq: 20 Apr 2020 21:24

Tgt Ion:112 Resp: 637229
Ion Ratio Lower Upper
112 100
64 68.4 55.5 83.3
63 35.5 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: 71.578 ng

RT: 6.36 min Scan# 726

Delta R.T. -0.01 min

Lab File: BF120091.D

Acq: 20 Apr 2020 21:24

Instrument :

BNA_F

ClientSampleId :

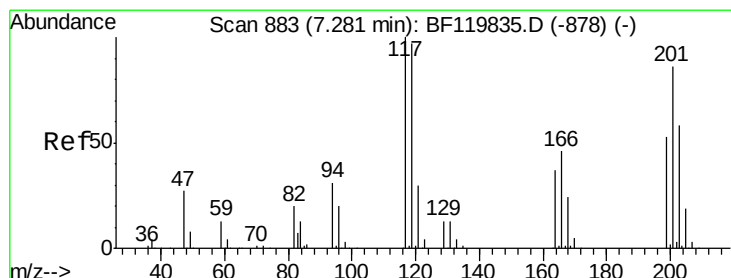
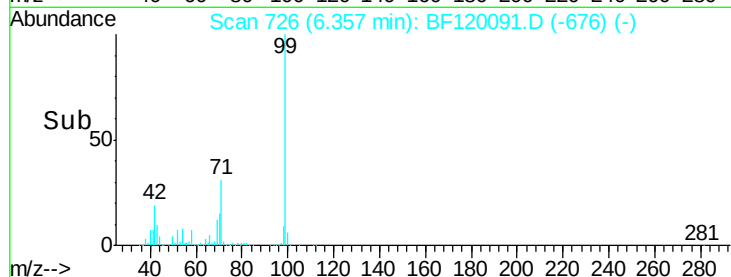
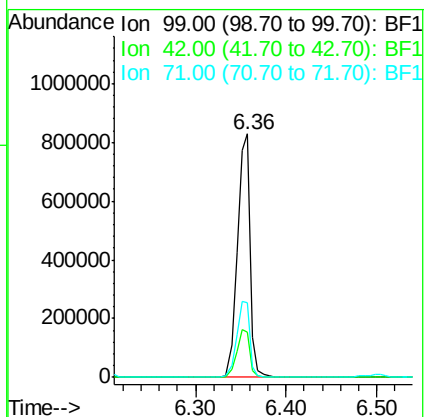
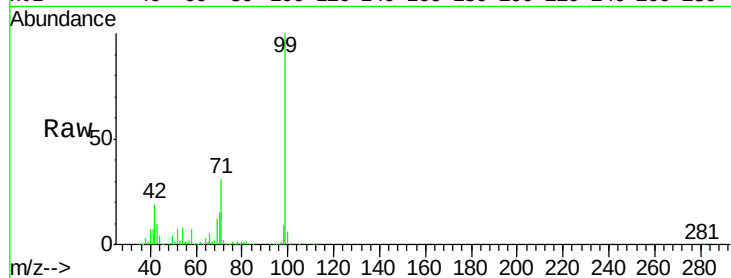
Tot Ion: 99 Resp: 824973

Ion Ratio Lower Upper

99 100

42 18.7 16.9 25.3

71 30.6 26.3 39.5



#18

Hexachloroethane

Concen: 3.199 ng

RT: 7.22 min Scan# 873

Delta R.T. -0.01 min

Lab File: BF120091.D

Acq: 20 Apr 2020 21:24

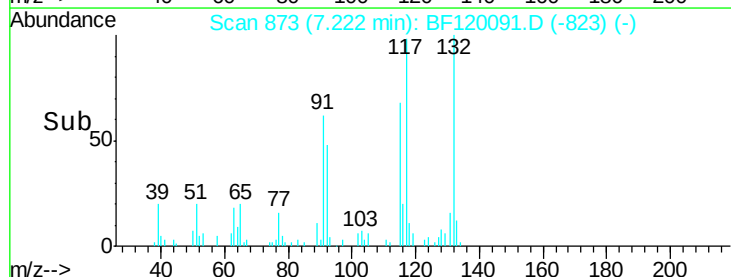
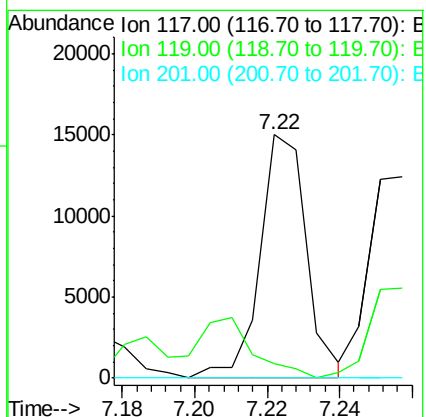
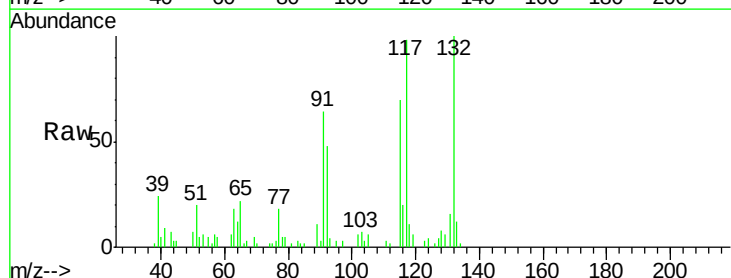
Tgt Ion: 117 Resp: 13324

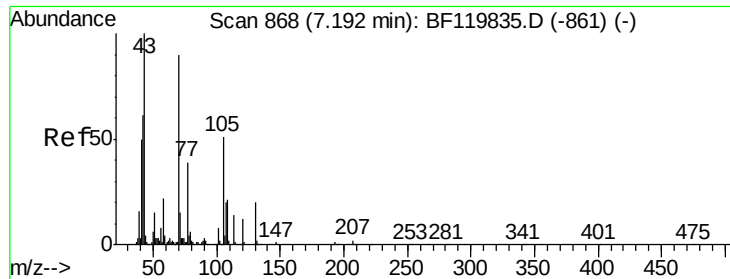
Ion Ratio Lower Upper

117 100

119 5.7 77.4 116.0#

201 0.0 68.4 102.6#

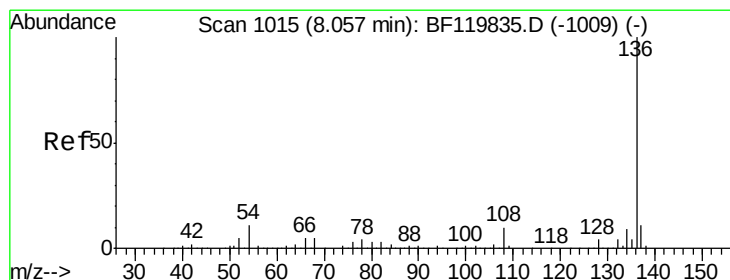
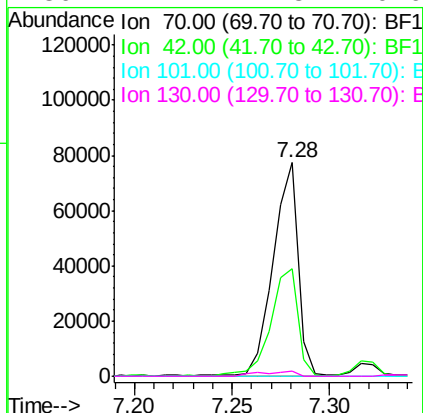
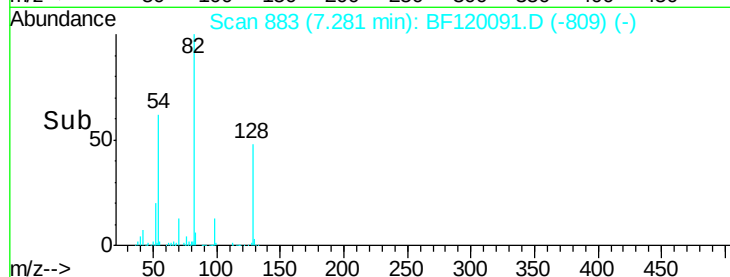
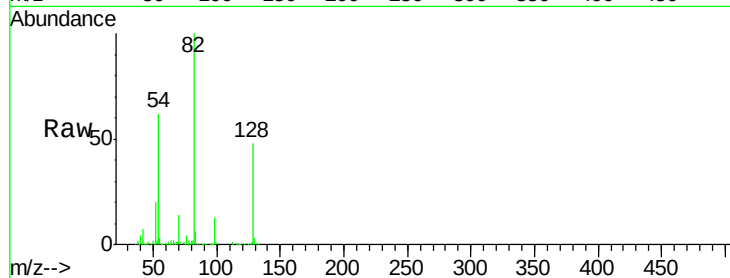




#19
n-Nitroso-di-n-propylamine
Concen: 9.342 ng
RT: 7.28 min Scan# 883
Delta R.T. 0.14 min
Lab File: BF120091.D
Acq: 20 Apr 2020 21:24

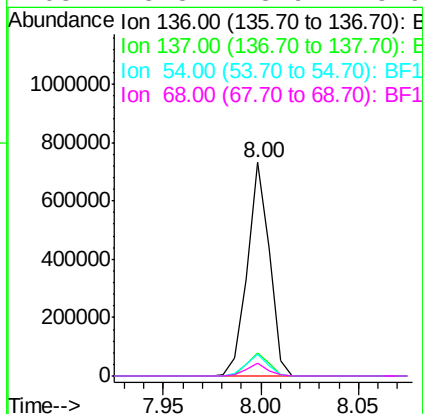
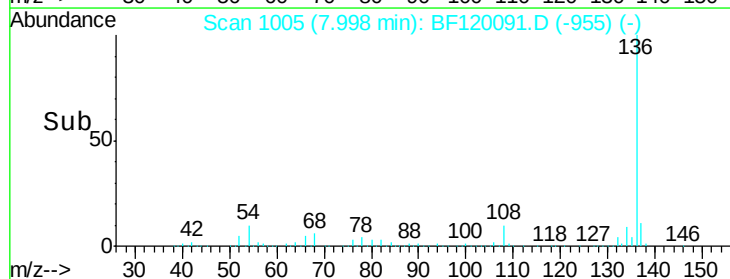
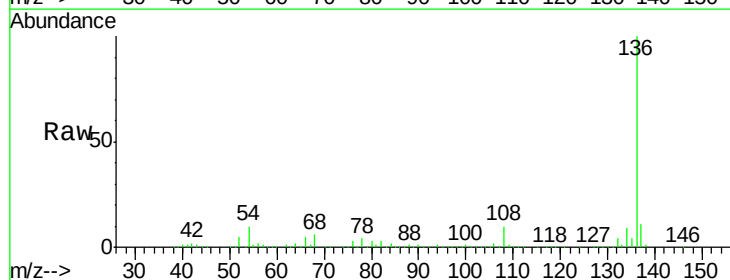
Instrument :
BNA_F
ClientSampleId :

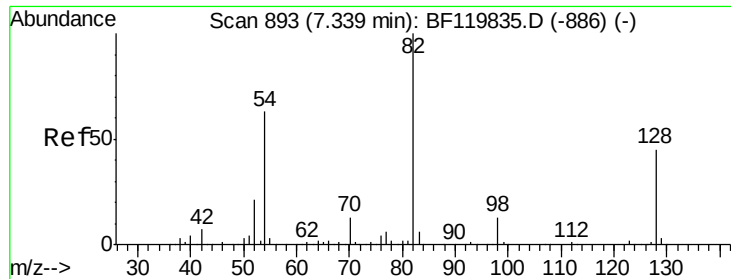
Tot Ion: 70 Resp: 69239
Ion Ratio Lower Upper
70 100
42 50.1 54.2 81.4#
101 0.0 7.4 11.2#
130 2.7 17.8 26.6#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.00 min Scan# 1005
Delta R.T. -0.01 min
Lab File: BF120091.D
Acq: 20 Apr 2020 21:24

Tgt Ion: 136 Resp: 572596
Ion Ratio Lower Upper
136 100
137 11.0 8.7 13.1
54 10.4 8.5 12.7
68 5.8 3.9 5.9

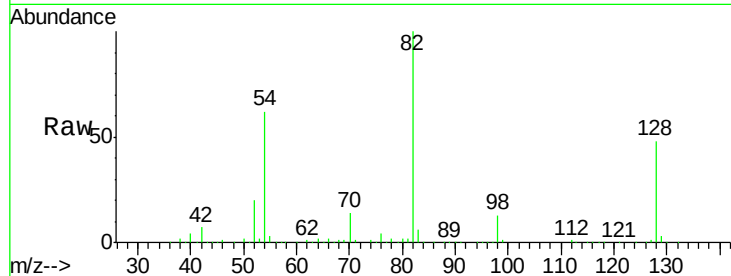




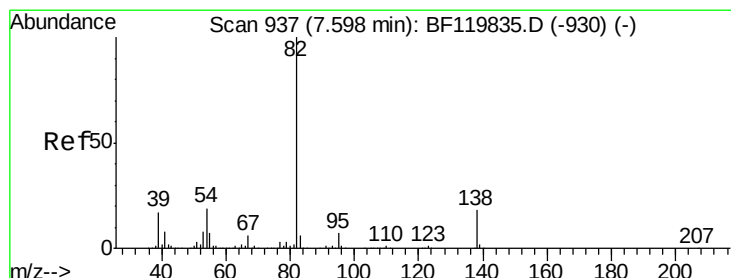
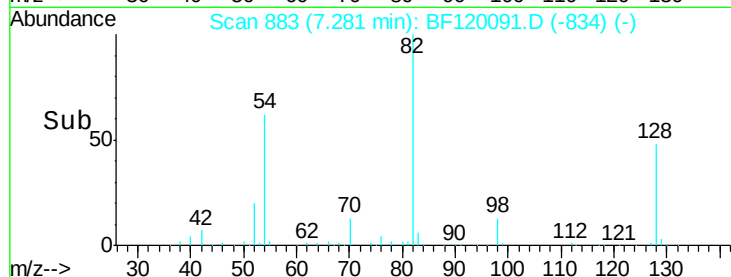
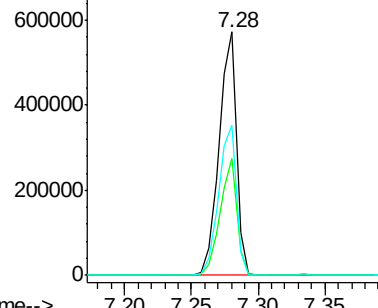
#23
 Nitrobenzene-d5
 Concen: 46.330 ng
 RT: 7.28 min Scan# 883
 Delta R.T. -0.01 min
 Lab File: BF120091.D
 Acq: 20 Apr 2020 21:24

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion: 82 Resp: 512784
 Ion Ratio Lower Upper
 82 100
 128 48.0 36.2 54.4
 54 61.9 50.4 75.6

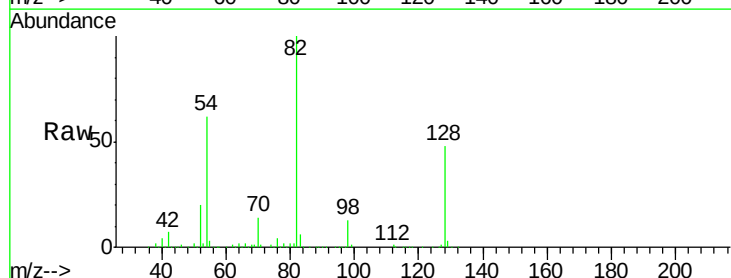


Abundance Ion 82.00 (81.70 to 82.70): BF1
 Ion 128.00 (127.70 to 128.70): BF1
 Ion 54.00 (53.70 to 54.70): BF1

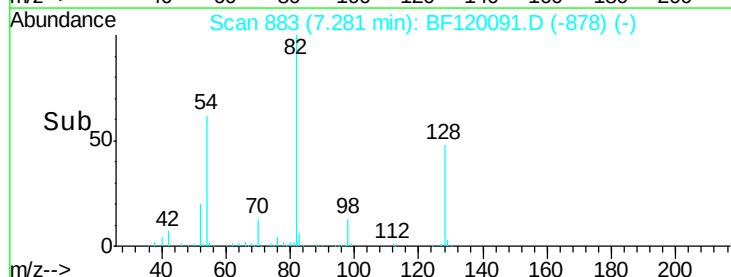
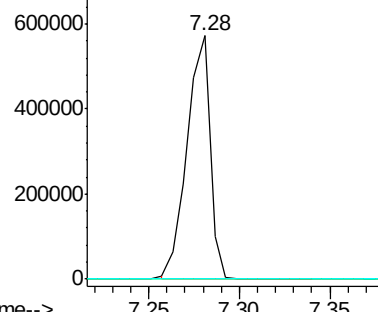


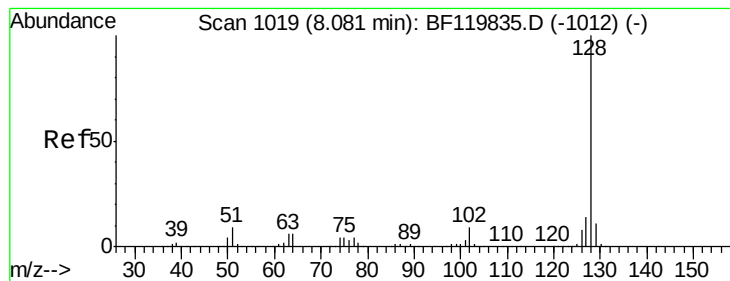
#25
 Isophorone
 Concen: 23.770 ng
 RT: 7.28 min Scan# 883
 Delta R.T. -0.27 min
 Lab File: BF120091.D
 Acq: 20 Apr 2020 21:24

Tgt Ion: 82 Resp: 507161
 Ion Ratio Lower Upper
 82 100
 95 0.1 5.8 8.6#
 138 0.0 14.5 21.7#



Abundance Ion 82.00 (81.70 to 82.70): BF1
 Ion 95.00 (94.70 to 95.70): BF1
 Ion 138.00 (137.70 to 138.70): BF1





#31

Naphthalene

Concen: 4.508 ng

RT: 8.02 min Scan# 1009

Delta R.T. -0.01 min

Lab File: BF120091.D

Acq: 20 Apr 2020 21:24

Instrument :

BNA_F

ClientSampleId :

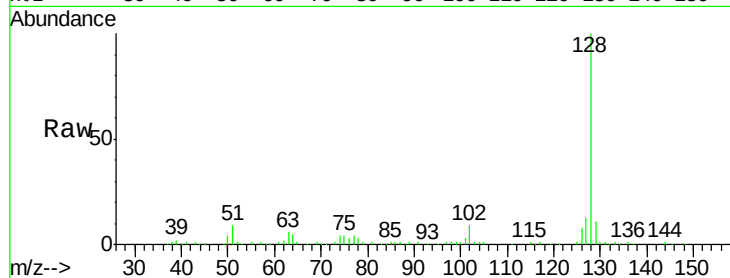
Tot Ion:128 Resp: 135806

Ion Ratio Lower Upper

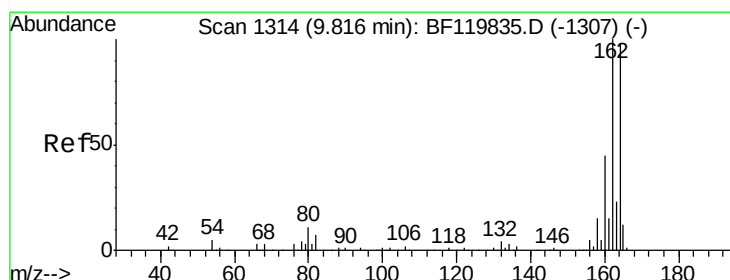
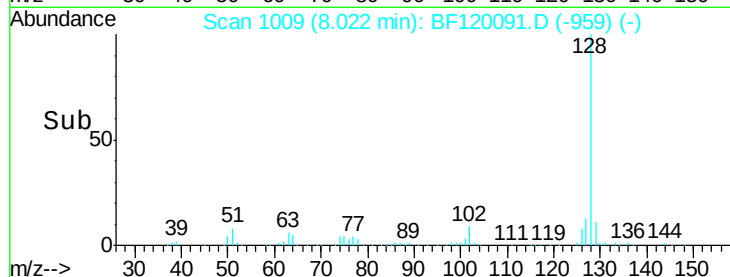
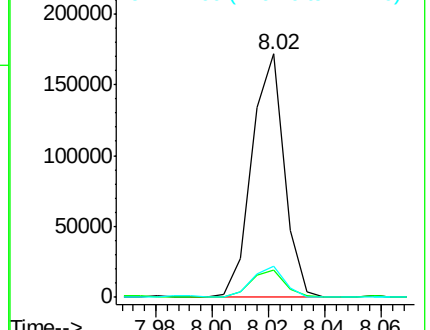
128 100

129 11.2 9.0 13.6

127 13.0 11.0 16.4



Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.76 min Scan# 1304

Delta R.T. -0.01 min

Lab File: BF120091.D

Acq: 20 Apr 2020 21:24

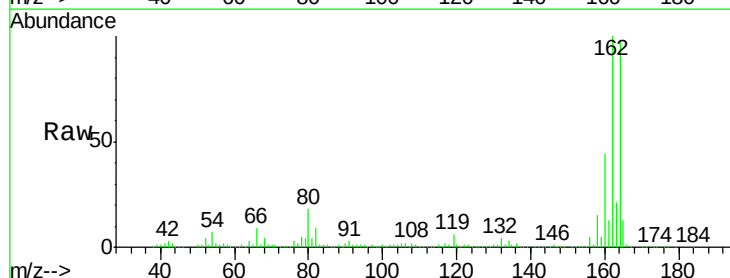
Tgt Ion:164 Resp: 278348

Ion Ratio Lower Upper

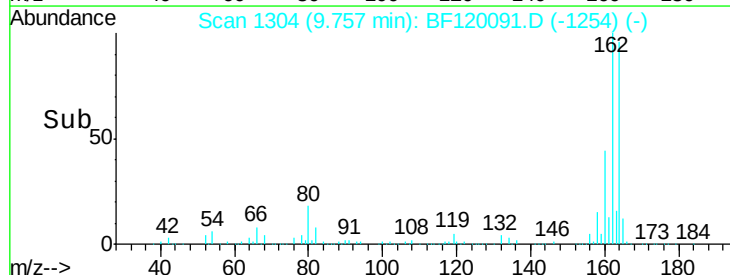
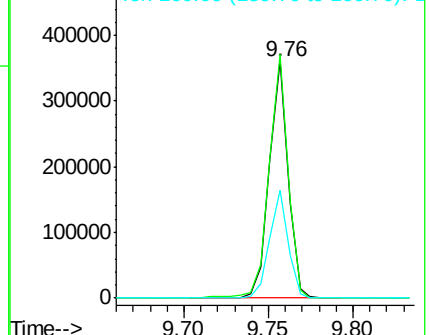
164 100

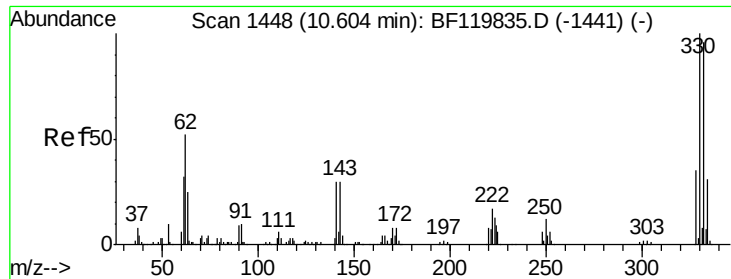
162 102.8 81.9 122.9

160 45.4 36.6 54.8



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

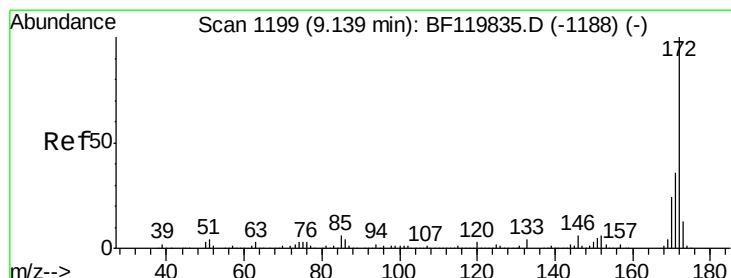
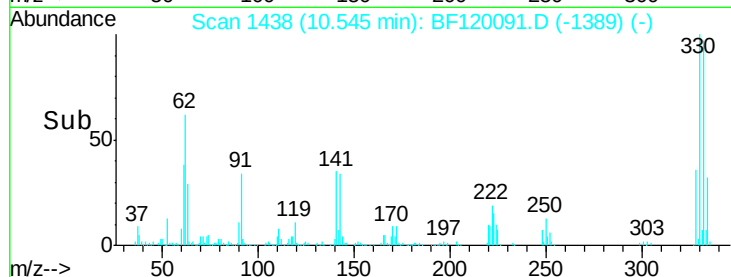
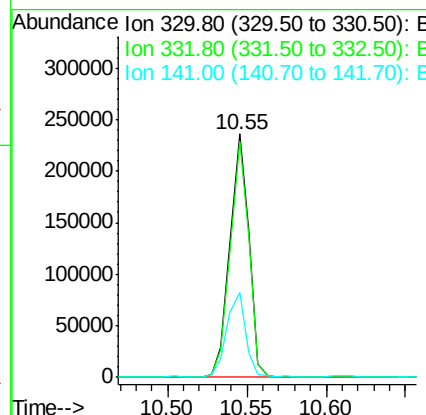
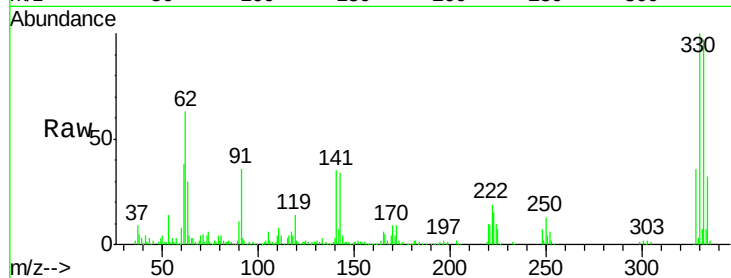




#42
 2,4,6-Tribromophenol
 Concen: 57.399 ng
 RT: 10.55 min Scan# 1438
 Delta R.T. -0.01 min
 Lab File: BF120091.D
 Acq: 20 Apr 2020 21:24

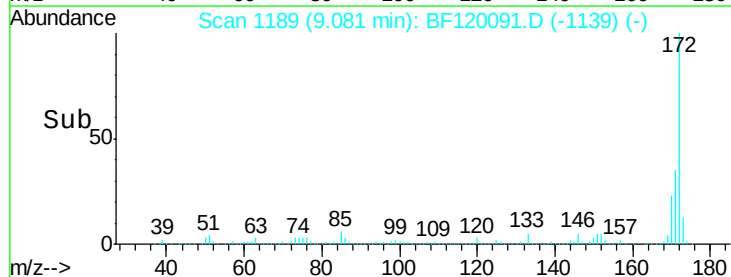
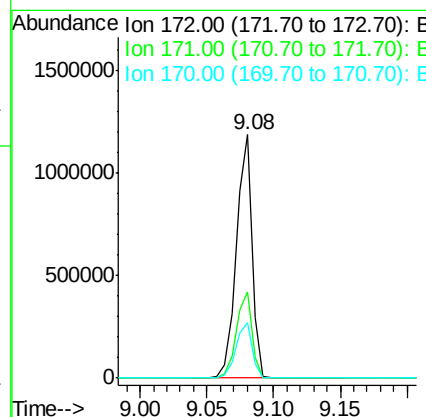
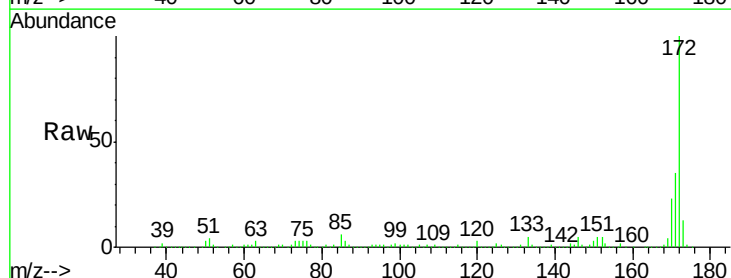
Instrument :
 BNA_F
 ClientSampleId :

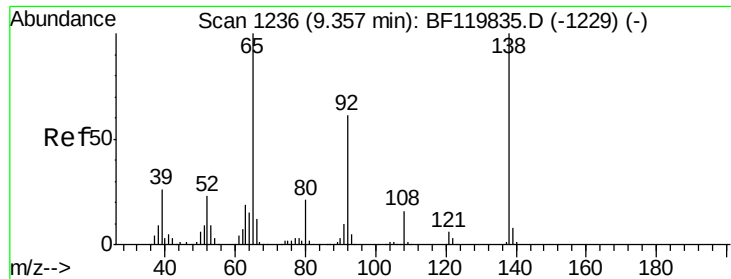
Tot Ion:330 Resp: 195613
 Ion Ratio Lower Upper
 330 100
 332 95.9 76.8 115.2
 141 34.3 25.1 37.7



#45
 2-Fluorobiphenyl
 Concen: 50.222 ng
 RT: 9.08 min Scan# 1189
 Delta R.T. -0.01 min
 Lab File: BF120091.D
 Acq: 20 Apr 2020 21:24

Tgt Ion:172 Resp: 984605
 Ion Ratio Lower Upper
 172 100
 171 35.5 28.9 43.3
 170 23.0 19.4 29.2

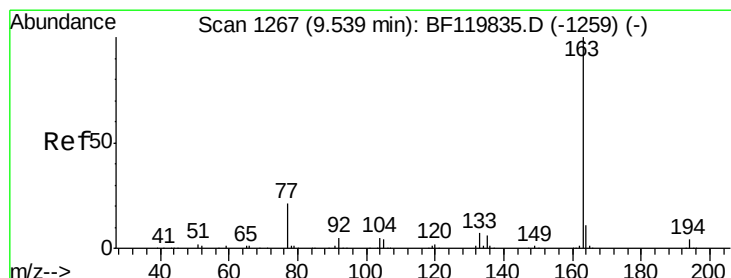
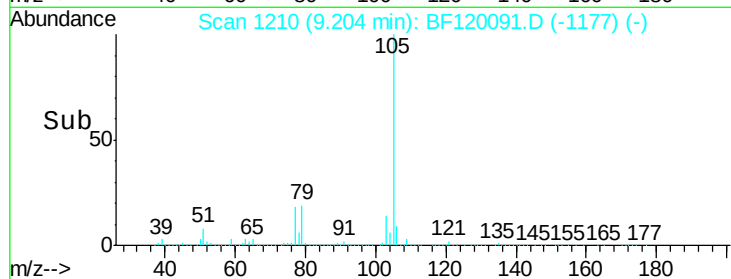
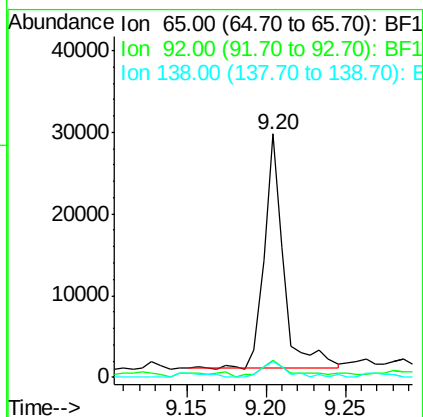
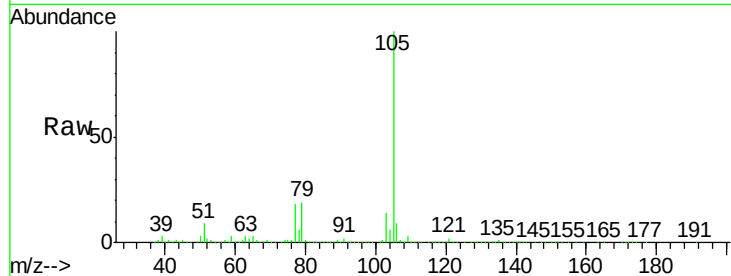




#48
2-Nitroaniline
Concen: 3.750 ng
RT: 9.20 min Scan# 1210
Delta R.T. -0.11 min
Lab File: BF120091.D
Acq: 20 Apr 2020 21:24

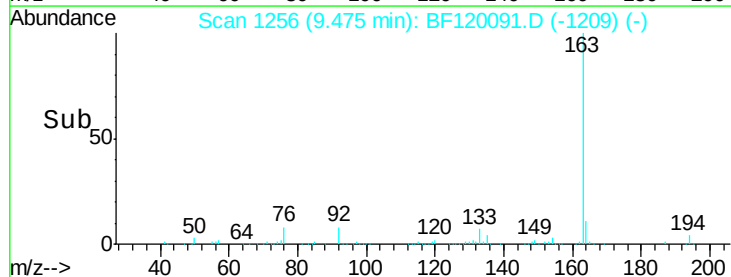
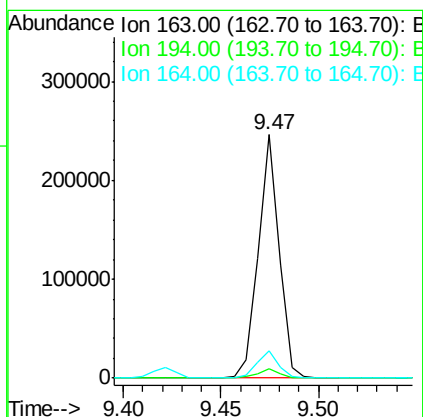
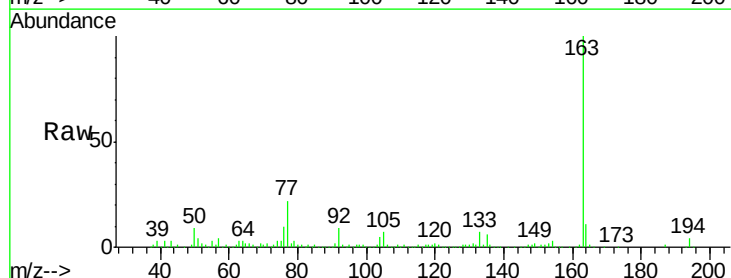
Instrument :
BNA_F
ClientSampleId :

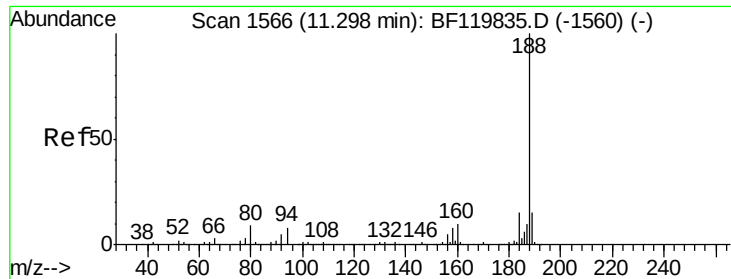
Tot Ion	Ratio	Lower	Upper
65	100		
92	6.8	49.0	73.6#
138	6.5	79.7	119.5#



#50
Dimethylphthalate
Concen: 8.450 ng
RT: 9.47 min Scan# 1256
Delta R.T. -0.02 min
Lab File: BF120091.D
Acq: 20 Apr 2020 21:24

Tgt Ion	Ratio	Lower	Upper
163	100		
194	3.6	3.0	4.4
164	11.0	8.4	12.6





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.24 min Scan# 1556

Delta R.T. -0.01 min

Lab File: BF120091.D

Acq: 20 Apr 2020 21:24

Instrument :

BNA_F

ClientSampleId :

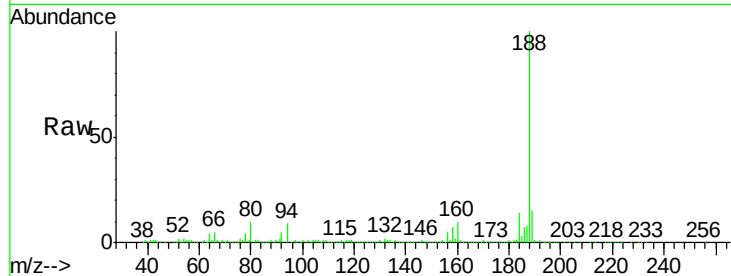
Tot Ion:188 Resp: 478816

Ion Ratio Lower Upper

188 100

94 9.4 6.7 10.1

80 10.0 7.4 11.2



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1

800000

600000

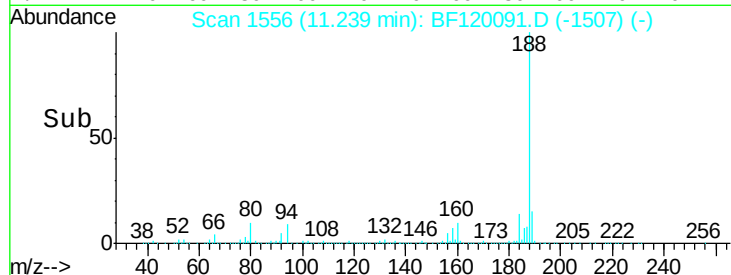
400000

200000

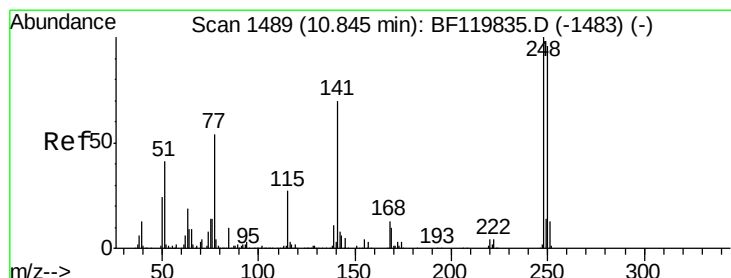
0

11.24

11.20 11.25



Time-->



#67

4-Bromophenyl-phenylether

Concen: 2.095 ng

RT: 10.55 min Scan# 1438

Delta R.T. -0.25 min

Lab File: BF120091.D

Acq: 20 Apr 2020 21:24

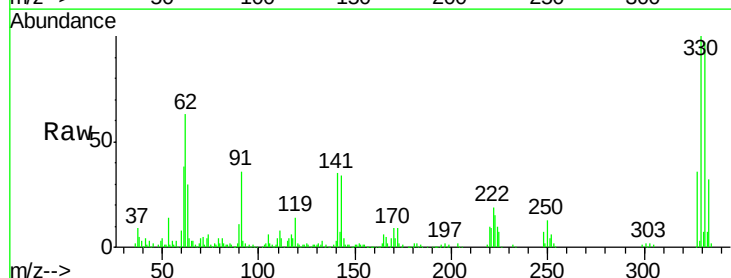
Tgt Ion:248 Resp: 12475

Ion Ratio Lower Upper

248 100

250 192.7 76.6 114.8#

141 513.9 55.9 83.9#



Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

100000

80000

60000

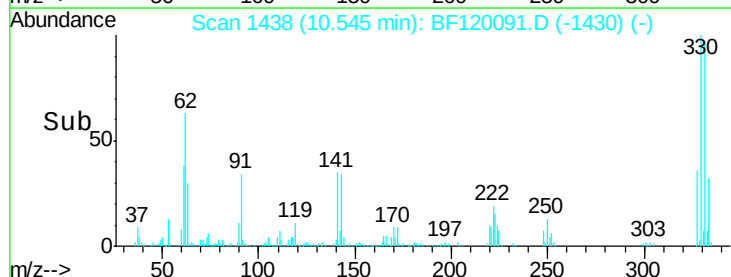
40000

20000

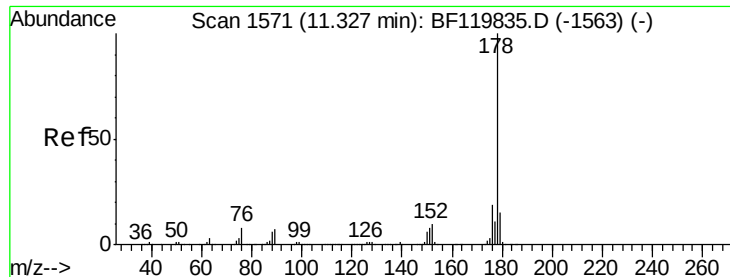
0

10.55

10.50 10.55



Time-->



#71

Phenanthrene

Concen: 3.674 ng

RT: 11.26 min Scan# 1560

Delta R.T. -0.02 min

Lab File: BF120091.D

Acq: 20 Apr 2020 21:24

Instrument :

BNA_F

ClientSampleId :

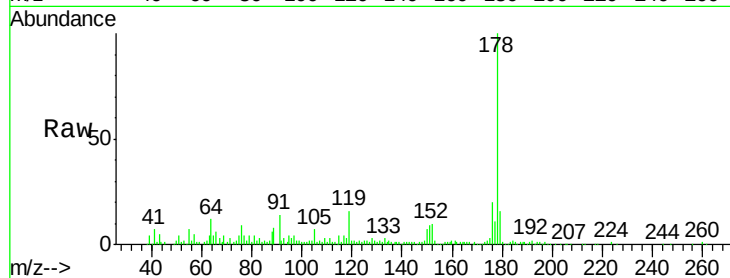
Tot Ion:178 Resp: 93634

Ion Ratio Lower Upper

178 100

176 20.1 15.1 22.7

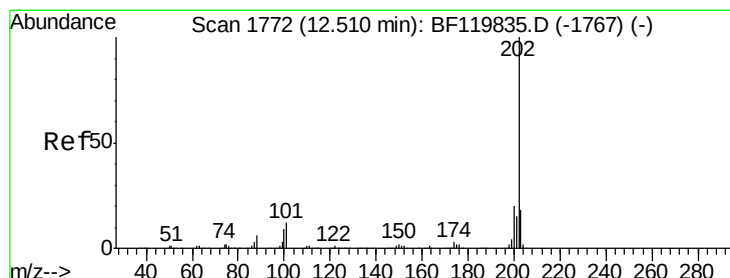
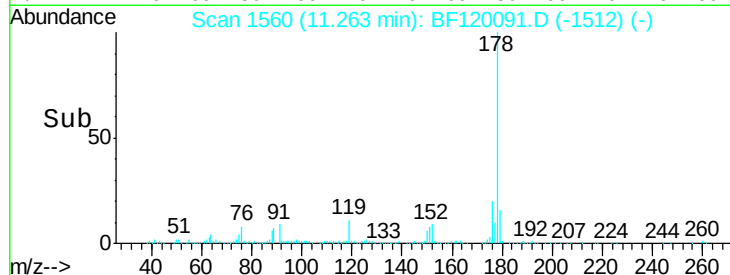
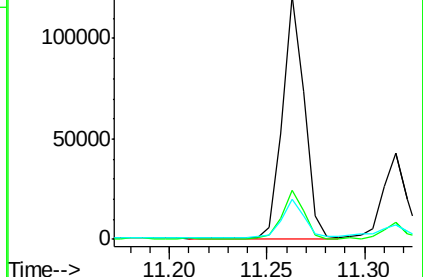
179 16.5 12.2 18.4



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



#75

Fluoranthene

Concen: 3.193 ng

RT: 12.46 min Scan# 1763

Delta R.T. -0.01 min

Lab File: BF120091.D

Acq: 20 Apr 2020 21:24

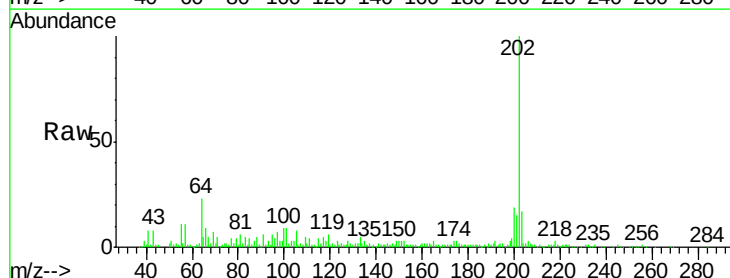
Tgt Ion:202 Resp: 87802

Ion Ratio Lower Upper

202 100

101 9.2 0.0 32.3

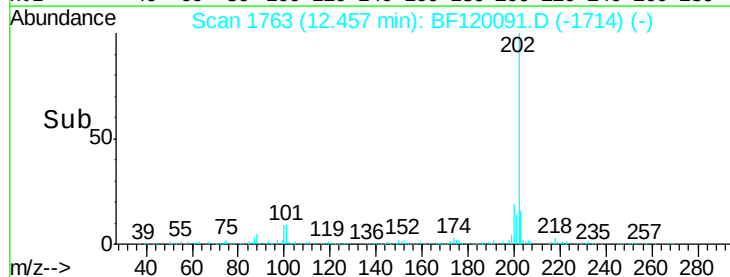
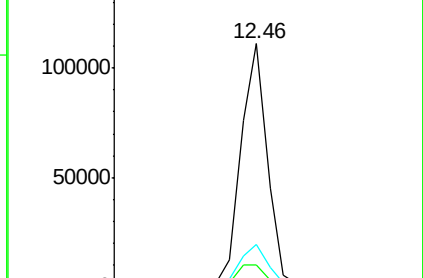
203 17.3 0.0 37.6

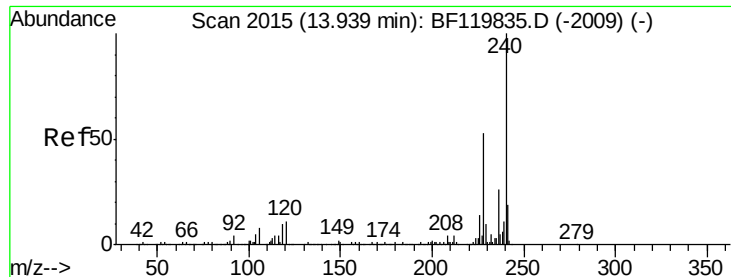


Abundance Ion 202.00 (201.70 to 202.70): E

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: 13.89 min Scan# 2006

Delta R.T. -0.01 min

Lab File: BF120091.D

Acq: 20 Apr 2020 21:24

Instrument :

BNA_F

ClientSampleId :

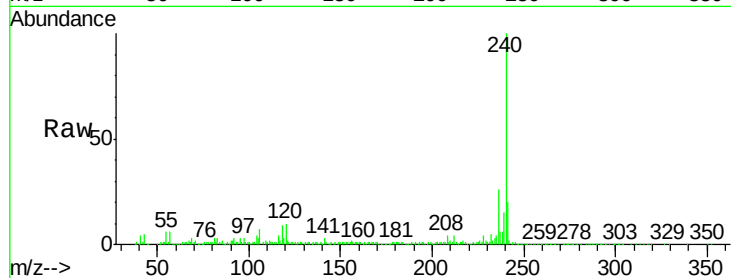
Tot Ion:240 Resp: 320397

Ion Ratio Lower Upper

240 100

120 10.0 9.0 13.6

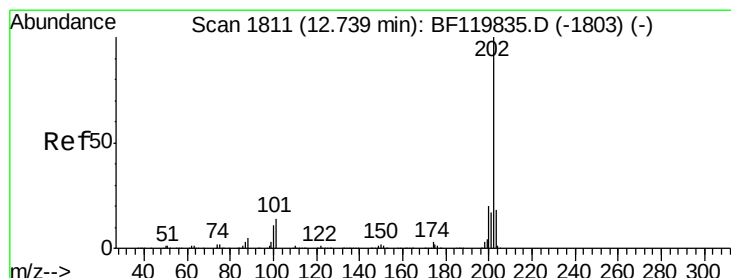
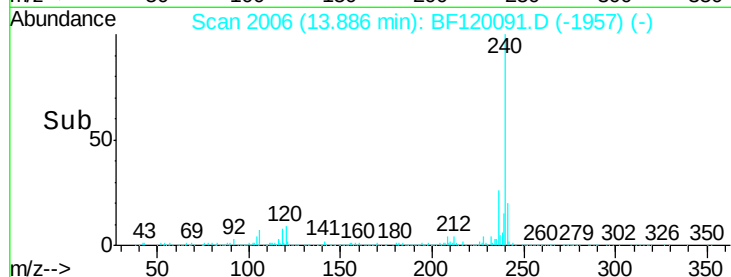
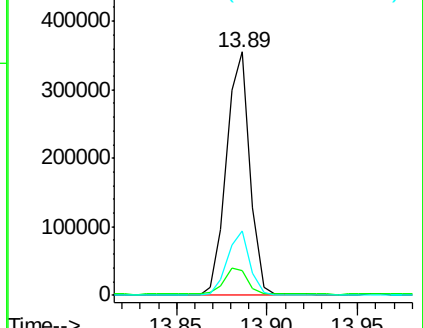
236 26.3 20.7 31.1



Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#78

Pyrene

Concen: 4.096 ng

RT: 12.68 min Scan# 1801

Delta R.T. -0.02 min

Lab File: BF120091.D

Acq: 20 Apr 2020 21:24

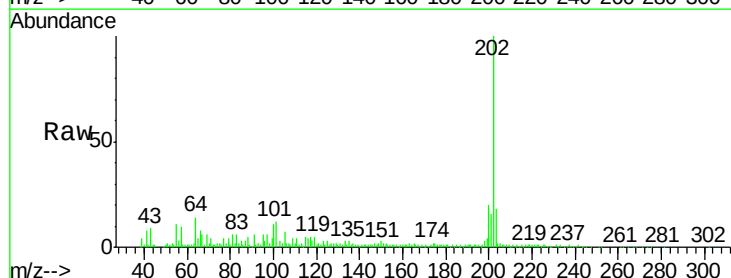
Tgt Ion:202 Resp: 110636

Ion Ratio Lower Upper

202 100

200 19.7 16.2 24.2

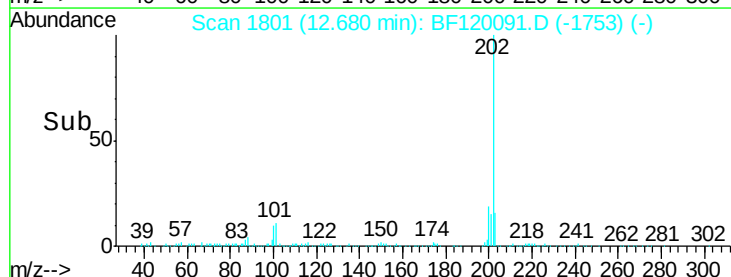
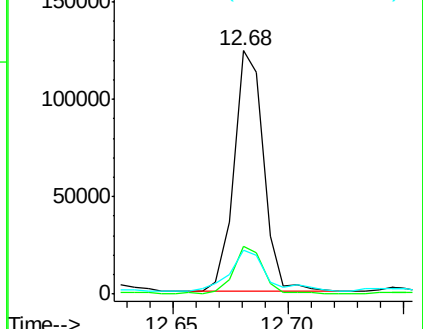
203 18.3 14.1 21.1

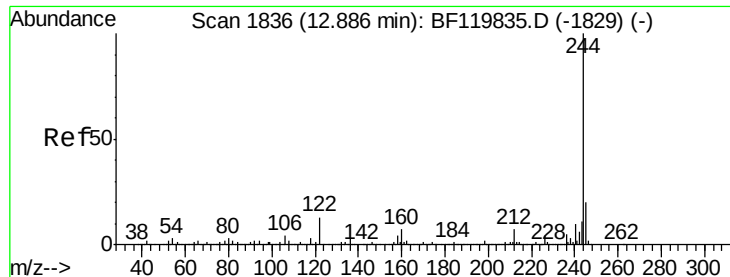


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#79

Terphenyl-d14

Concen: 48.099 ng

RT: 12.83 min Scan# 1827

Delta R.T. -0.01 min

Lab File: BF120091.D

Acq: 20 Apr 2020 21:24

Instrument :

BNA_F

ClientSampleId :

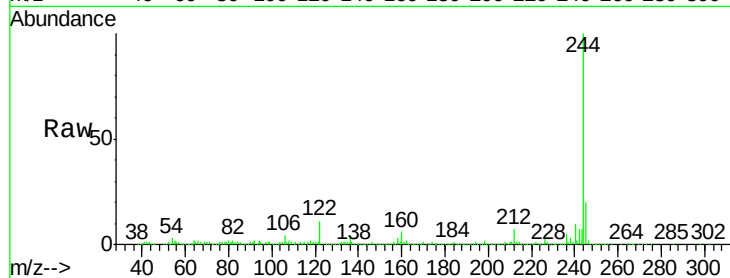
Tot Ion:244 Resp: 915856

Ion Ratio Lower Upper

244 100

212 6.8 5.4 8.0

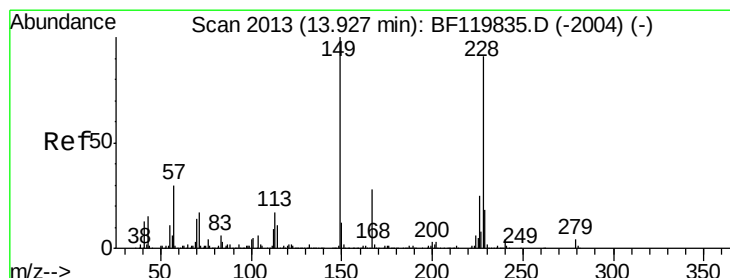
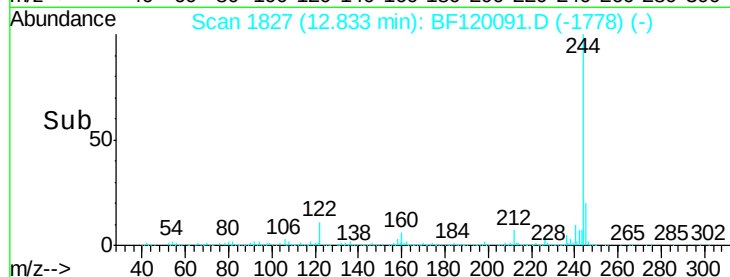
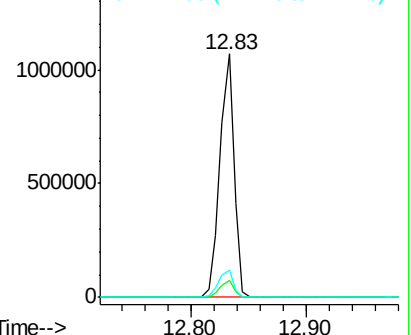
122 11.1 10.3 15.5



Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#81

Benzo(a)anthracene

Concen: 3.083 ng

RT: 13.87 min Scan# 2004

Delta R.T. -0.01 min

Lab File: BF120091.D

Acq: 20 Apr 2020 21:24

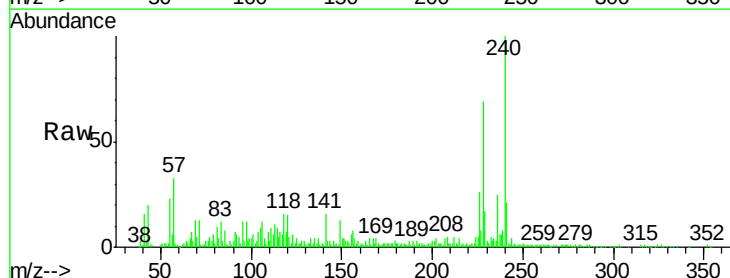
Tgt Ion:228 Resp: 64983

Ion Ratio Lower Upper

228 100

226 38.0 21.9 32.9#

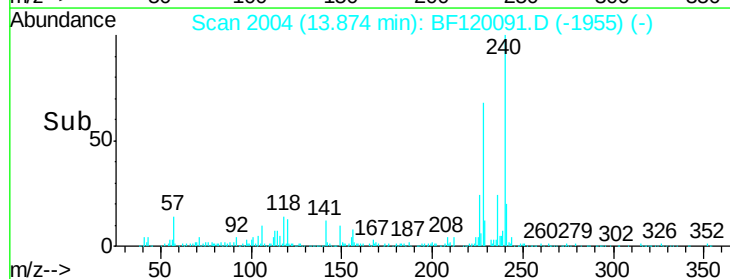
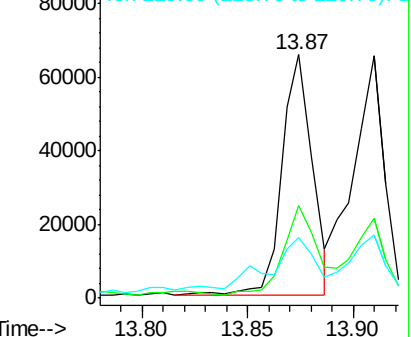
229 24.8 15.9 23.9#

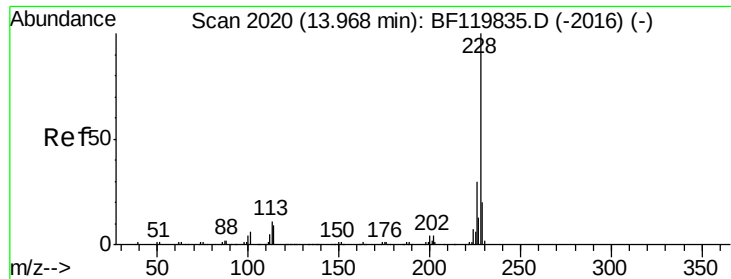


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

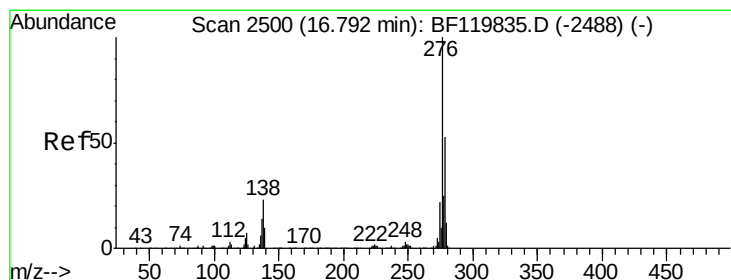
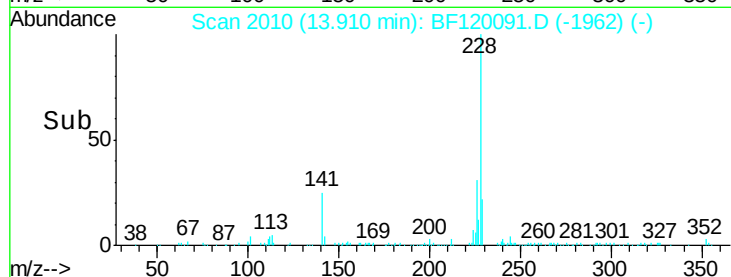
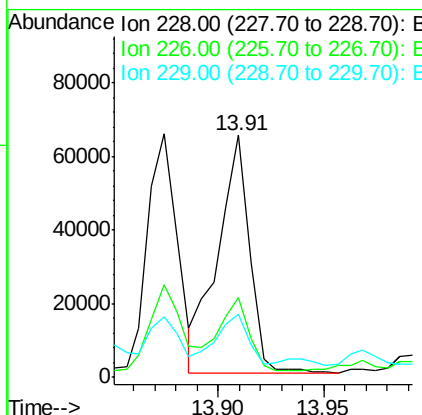
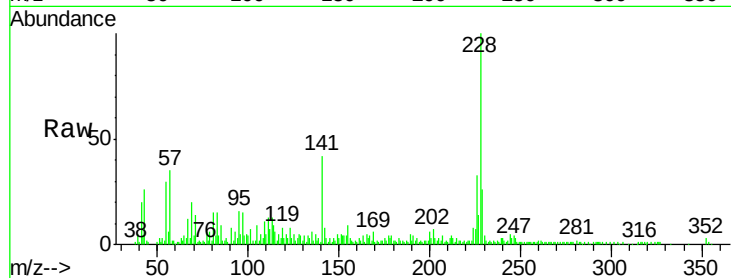




#83
Chrysene
Concen: 3.174 ng
RT: 13.91 min Scan# 2010
Delta R.T. -0.02 min
Lab File: BF120091.D
Acq: 20 Apr 2020 21:24

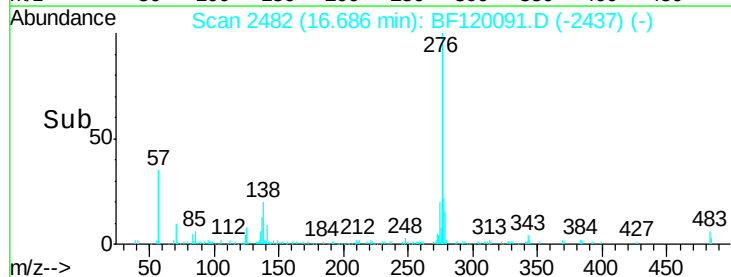
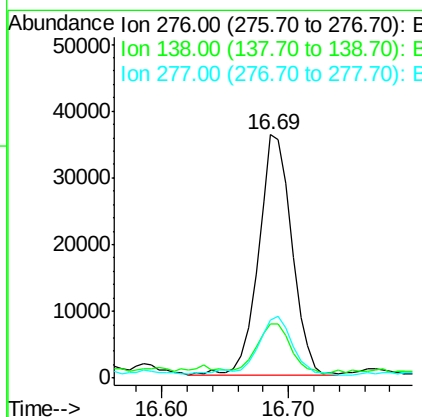
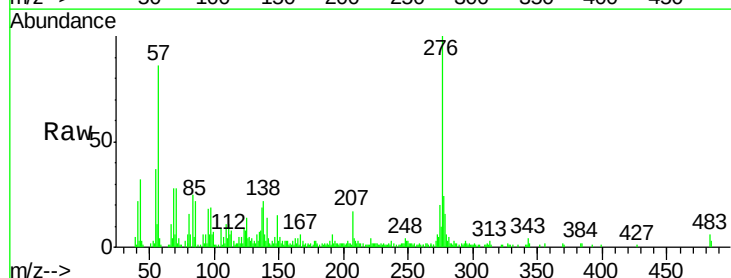
Instrument :
BNA_F
ClientSampleId :

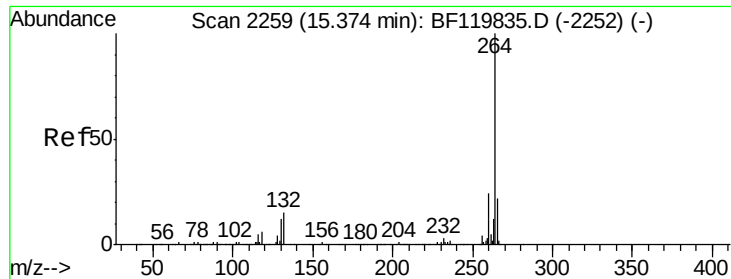
Tot Ion:228 Resp: 67983
Ion Ratio Lower Upper
228 100
226 33.1 24.2 36.2
229 26.1 15.9 23.9#



#86
Indeno(1,2,3-cd)pyrene
Concen: 3.467 ng
RT: 16.69 min Scan# 2482
Delta R.T. -0.04 min
Lab File: BF120091.D
Acq: 20 Apr 2020 21:24

Tgt Ion:276 Resp: 65451
Ion Ratio Lower Upper
276 100
138 21.7 18.0 27.0
277 26.9 20.1 30.1



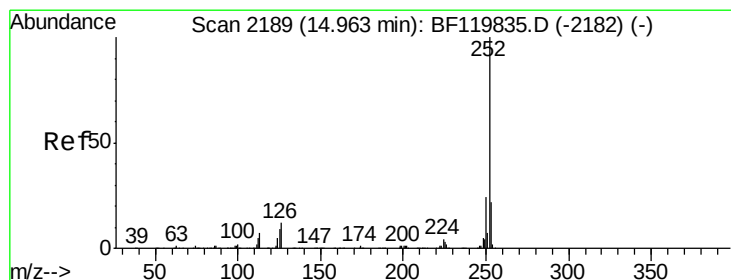
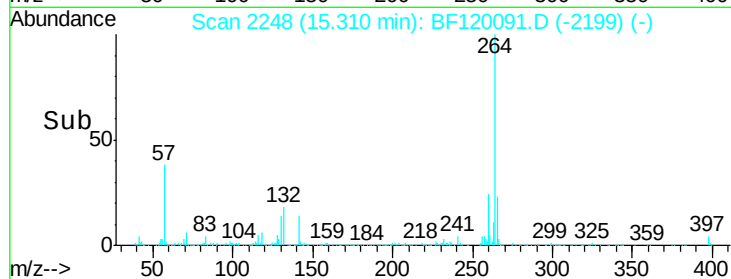
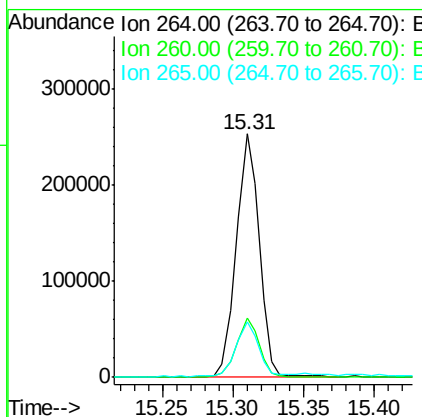
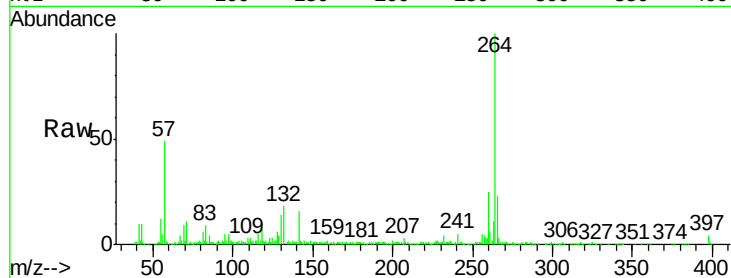


#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.31 min Scan# 2248
Delta R.T. -0.01 min
Lab File: BF120091.D
Acq: 20 Apr 2020 21:24

Instrument :
BNA_F
ClientSampleId :

Tot Ion:264 Resp: 286058

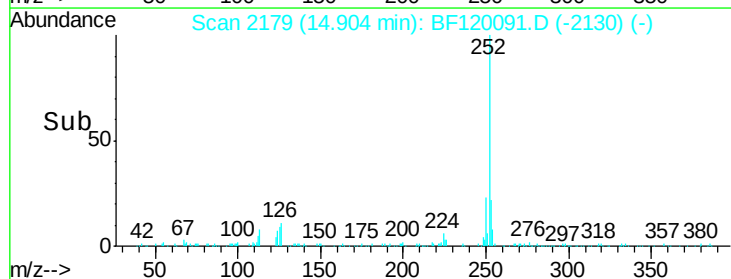
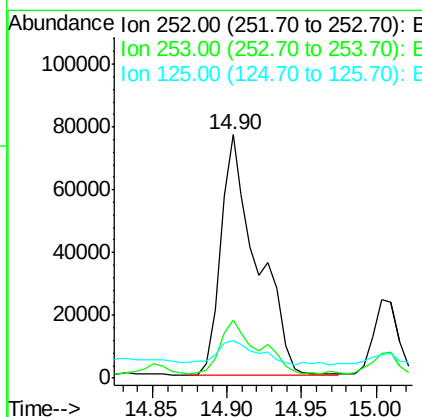
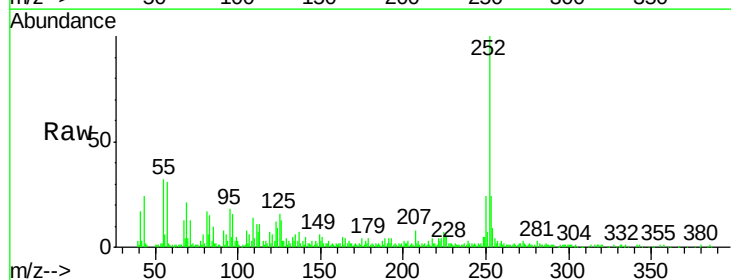
Ion	Ratio	Lower	Upper
264	100		
260	24.5	19.3	28.9
265	22.9	17.6	26.4

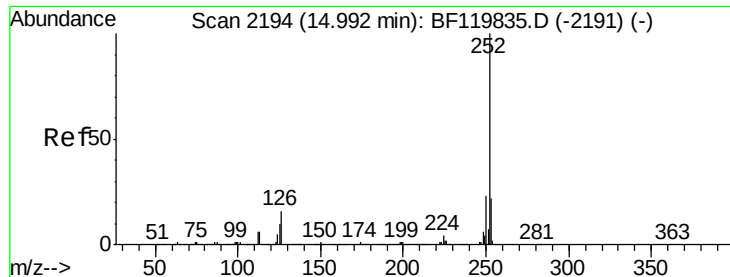


#88
Benzo(b)fluoranthene
Concen: 6.268 ng
RT: 14.90 min Scan# 2179
Delta R.T. -0.01 min
Lab File: BF120091.D
Acq: 20 Apr 2020 21:24

Tgt Ion:252 Resp: 128980

Ion	Ratio	Lower	Upper
252	100		
253	23.9	17.7	26.5
125	15.6	7.4	11.2#

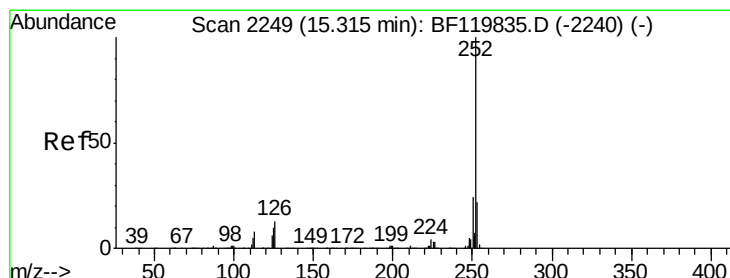
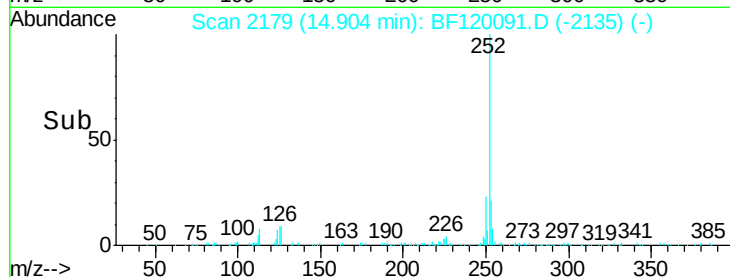
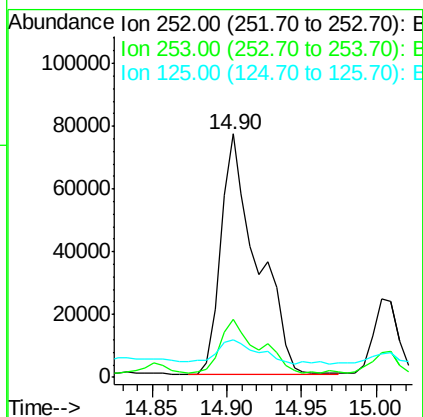
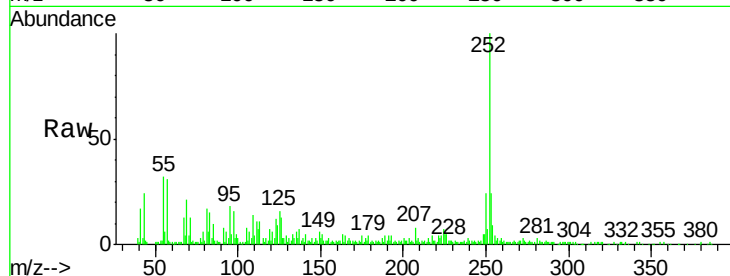




#89
Benzo(k)fluoranthene
Concen: 7.264 ng
RT: 14.90 min Scan# 2179
Delta R.T. -0.04 min
Lab File: BF120091.D
Acq: 20 Apr 2020 21:24

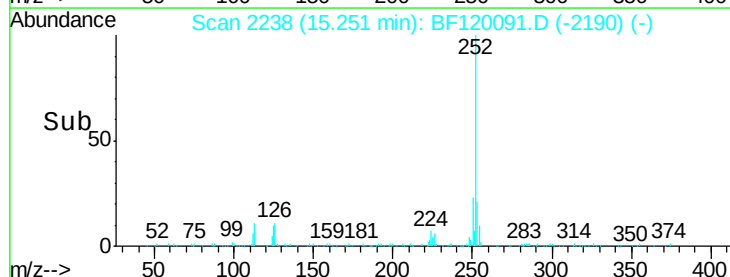
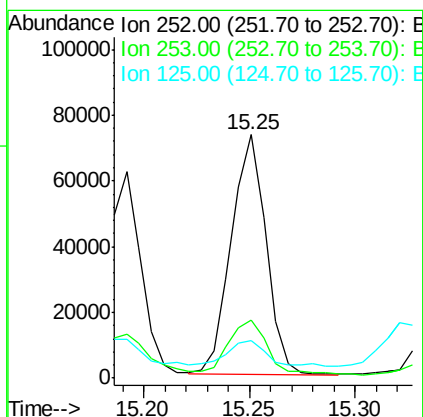
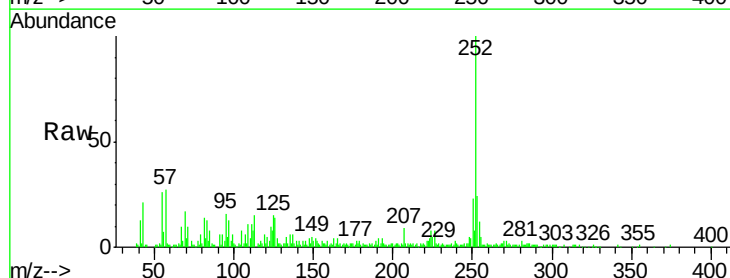
Instrument :
BNA_F
ClientSampleId :

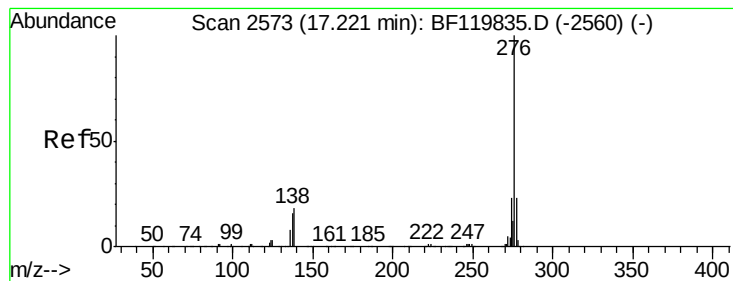
Tot Ion	Ratio	Lower	Upper
252	100		
253	23.9	17.8	26.8
125	15.6	7.7	11.5



#90
Benzo(a)pyrene
Concen: 4.799 ng
RT: 15.25 min Scan# 2238
Delta R.T. -0.02 min
Lab File: BF120091.D
Acq: 20 Apr 2020 21:24

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.6	17.4	26.2
125	15.4	8.3	12.5





#92

Benzo(a,h,i)perylene

Concen: 4.729 ng

RT: 17.11 min Scan# 2554

Delta R.T. -0.04 min

Lab File: BF120091.D

Acq: 20 Apr 2020 21:24

Instrument :

BNA_F

ClientSampleId :

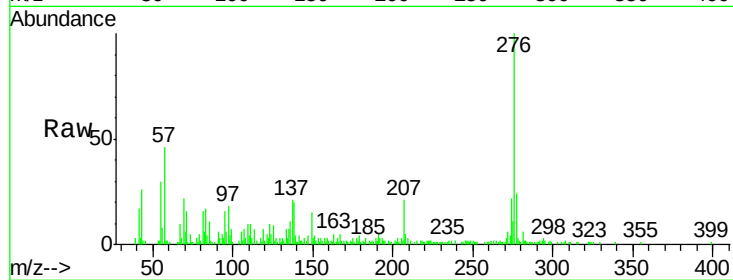
Tot Ion:276 Resp: 71549

Ion Ratio Lower Upper

276 100

277 24.3 18.5 27.7

138 19.7 14.6 22.0



Abundance

Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

