

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF072420\
 Data File : BF121010.D
 Acq On : 24 Jul 2020 18:49
 Operator : JU/CG
 Sample : L3360-1RE
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jul 24 23:48:27 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF071620.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jul 16 14:20:32 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.81	152	169140	20.00	ng	0.00
21) Naphthalene-d8	8.09	136	607513	20.00	ng	0.00
39) Acenaphthene-d10	9.85	164	318997	20.00	ng	0.00
64) Phenanthrene-d10	11.33	188	553985	20.00	ng	0.00
76) Chrysene-d12	13.97	240	376853	20.00	ng	0.00
86) Perylene-d12	15.42	264	454288	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.42	112	370914	35.95	ng	0.00
7) Phenol-d6	6.44	99	858751	64.43	ng	0.00
23) Nitrobenzene-d5	7.37	82	640894	61.04	ng	0.00
42) 2,4,6-Tribromophenol	10.63	330	70986	20.33	ng	0.00
45) 2-Fluorobiphenyl	9.17	172	1219018	57.06	ng	0.00
79) Terphenyl-d14	12.92	244	1015660	58.59	ng	0.00

Target Compounds

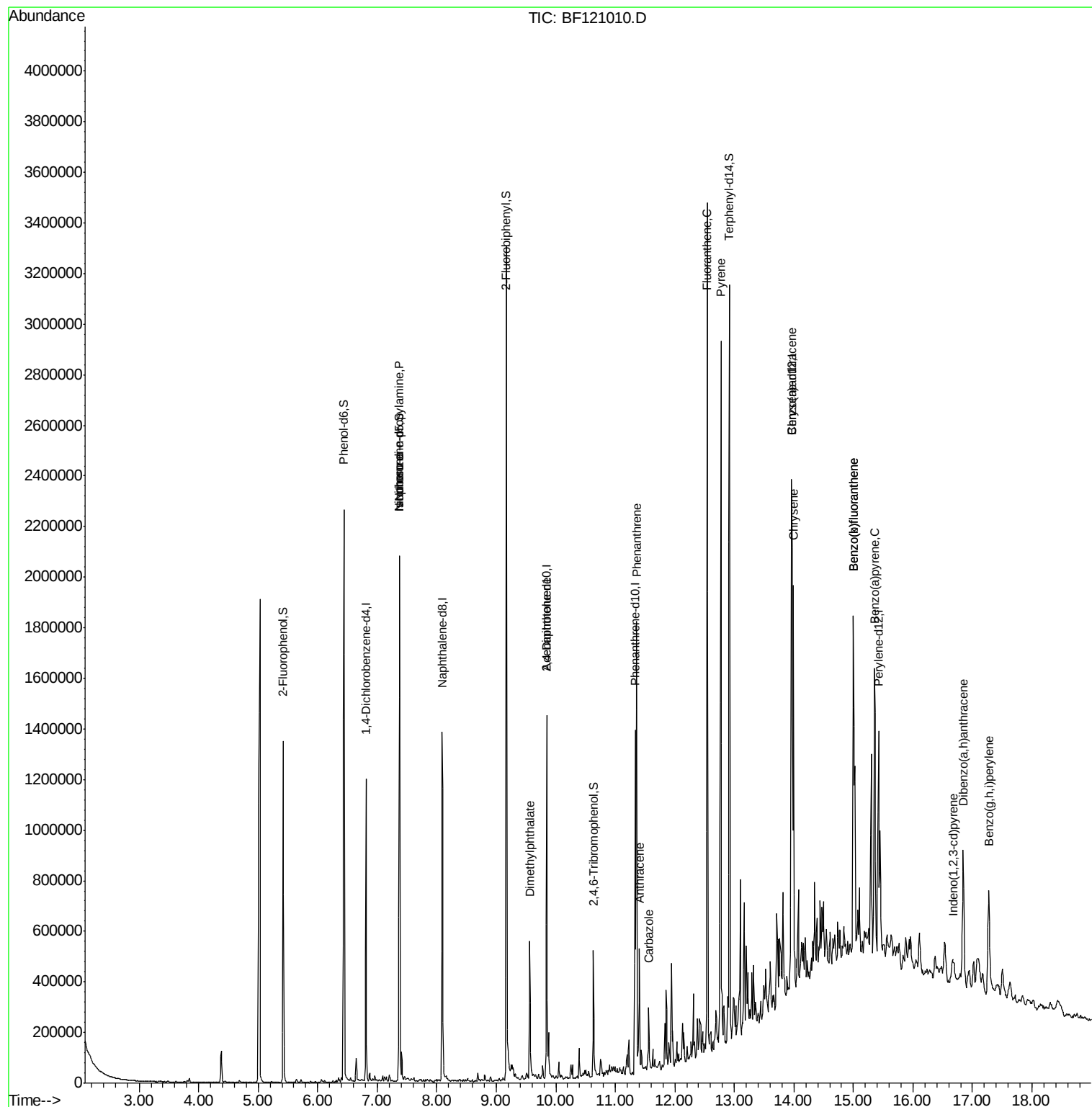
						Qvalue
9) Benzaldehyde	6.36	77	1420	Below Cal	#	83
19) n-Nitroso-di-n-propylamine	7.37	70	84273	11.120 ng	#	78
25) Isophorone	7.37	82	640994	30.591 ng	#	63
50) Dimethylphthalate	9.56	163	238356	10.357 ng		99
57) 2,4-Dinitrotoluene	9.85	165	42264	6.509 ng	#	28
71) Phenanthrene	11.36	178	657549	23.079 ng		98
72) Anthracene	11.40	178	169427	5.922 ng		98
73) Carbazole	11.56	167	111938	3.943 ng		99
75) Fluoranthene	12.54	202	1405890	44.517 ng		99
78) Pyrene	12.77	202	1247464	46.820 ng		99
81) Benzo(a)anthracene	13.96	228	691145	30.286 ng		98
83) Chrysene	14.00	228	660533	27.543 ng		97
87) Indeno(1,2,3-cd)pyrene	16.69	276	66984	2.120 ng		98
88) Benzo(b)fluoranthene	15.00	252	1096554	39.933 ng		98
89) Benzo(k)fluoranthene	15.00	252	1096554	43.786 ng		98
90) Benzo(a)pyrene	15.36	252	592682	23.657 ng		97
91) Dibenzo(a,h)anthracene	16.85	278	102946	3.989 ng	#	89
92) Benzo(g,h,i)perylene	17.27	276	359593	14.132 ng		99

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

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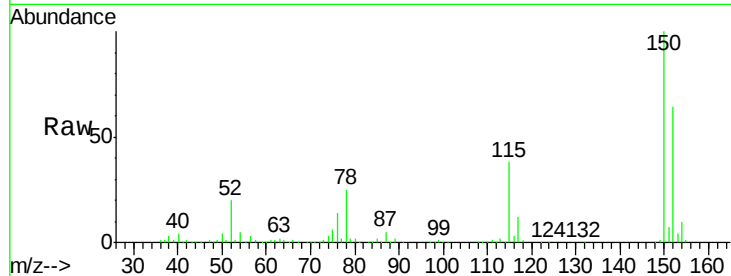


#1

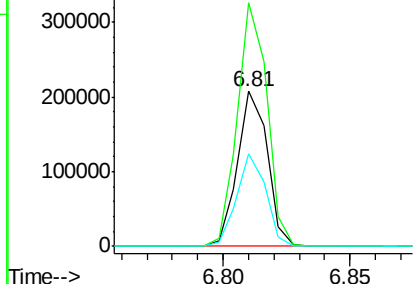
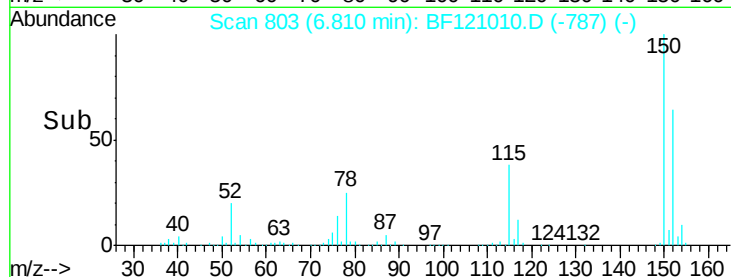
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.81 min Scan# 803
Delta R.T. -0.01 min
Lab File: BF121010.D
Acq: 24 Jul 2020 18:49

Instrument :
BNA_F
ClientSampled :

Tot Ion:152 Resp: 169140
Ion Ratio Lower Upper
152 100
150 157.3 125.0 187.6
115 59.5 47.0 70.4



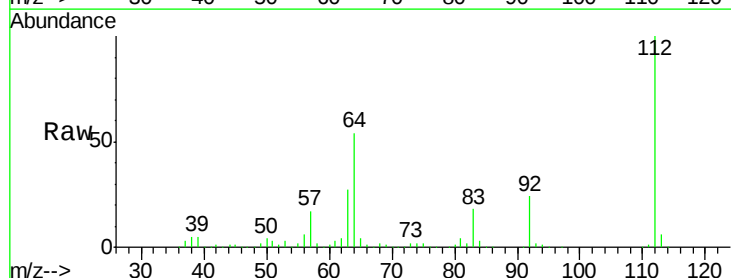
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



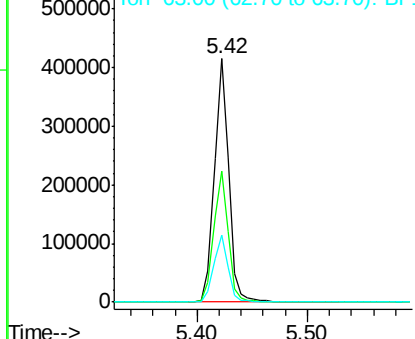
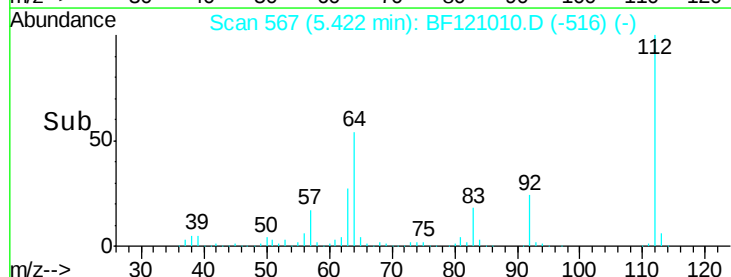
#5

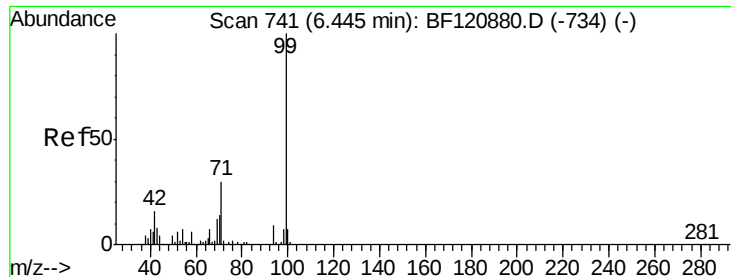
2-Fluorophenol
Concen: 35.950 ng
RT: 5.42 min Scan# 567
Delta R.T. 0.00 min
Lab File: BF121010.D
Acq: 24 Jul 2020 18:49

Tgt Ion:112 Resp: 370914
Ion Ratio Lower Upper
112 100
64 54.0 41.3 61.9
63 27.5 21.1 31.7



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: 64.434 ng

RT: 6.44 min Scan# 740

Delta R.T. -0.01 min

Lab File: BF121010.D

Acq: 24 Jul 2020 18:49

Instrument :

BNA_F

ClientSampled :

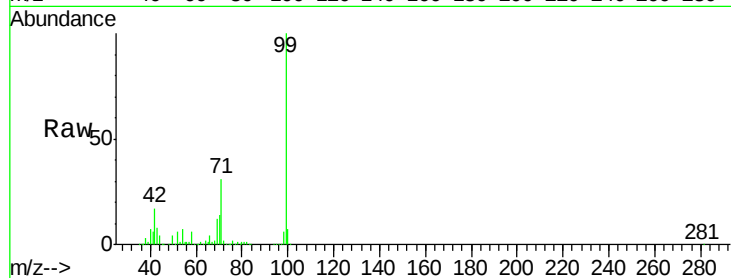
Tot Ion: 99 Resp: 858751

Ion Ratio Lower Upper

99 100

42 16.8 13.1 19.7

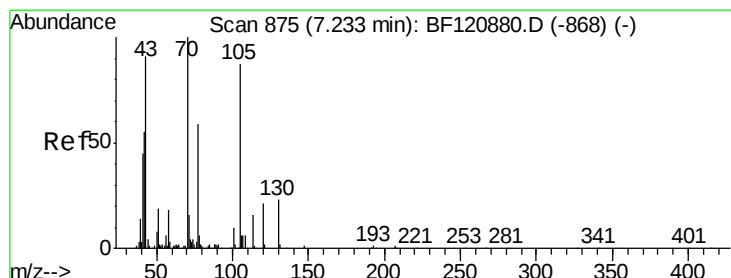
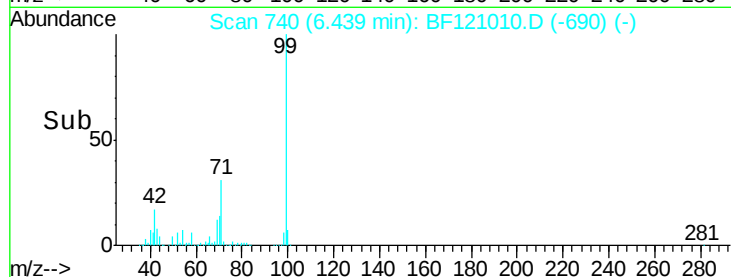
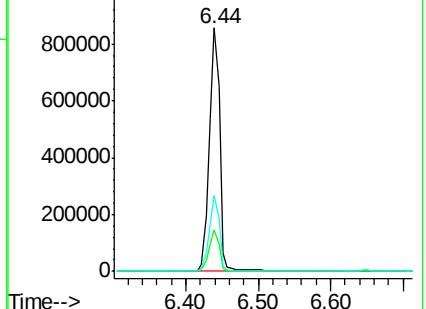
71 31.0 24.2 36.4



Abundance Ion 99.00 (98.70 to 99.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 71.00 (70.70 to 71.70): BF1



#19

n-Nitroso-di-n-propylamine

Concen: 11.120 ng

RT: 7.37 min Scan# 899

Delta R.T. 0.14 min

Lab File: BF121010.D

Acq: 24 Jul 2020 18:49

Tgt Ion: 70 Resp: 84273

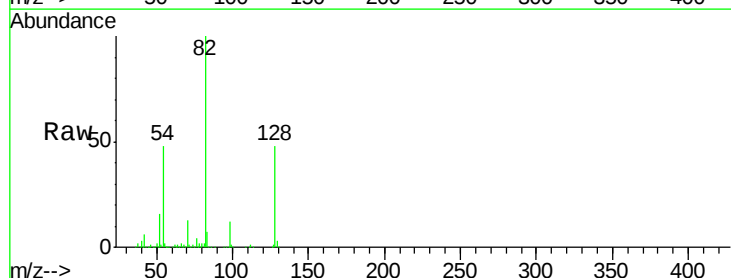
Ion Ratio Lower Upper

70 100

42 45.8 44.0 66.0

101 0.0 7.8 11.6#

130 2.2 18.7 28.1#

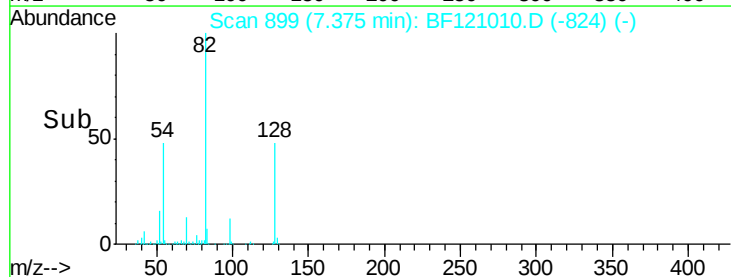
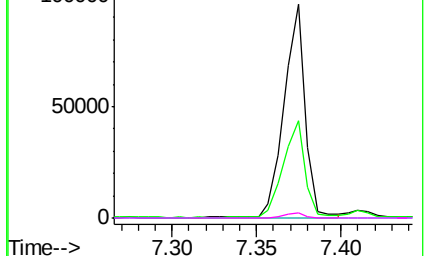


Abundance Ion 70.00 (69.70 to 70.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 101.00 (100.70 to 101.70): BF1

Ion 130.00 (129.70 to 130.70): BF1





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.09 min Scan# 1021

Delta R.T. -0.01 min

Lab File: BF121010.D

Acq: 24 Jul 2020 18:49

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 607513

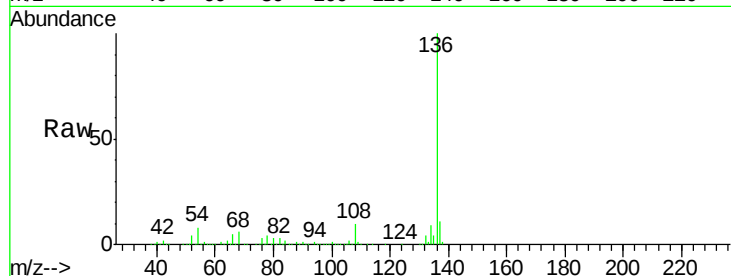
Ion Ratio Lower Upper

136 100

137 11.3 9.3 13.9

54 7.8 6.3 9.5

68 6.2 5.0 7.4

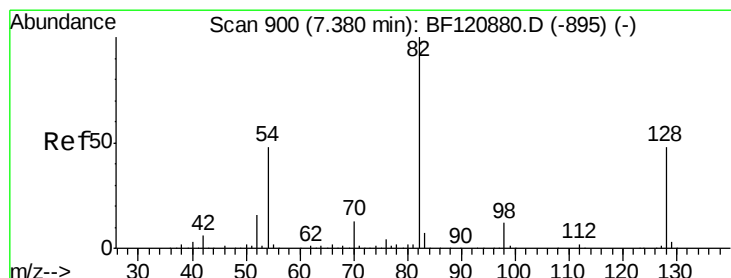
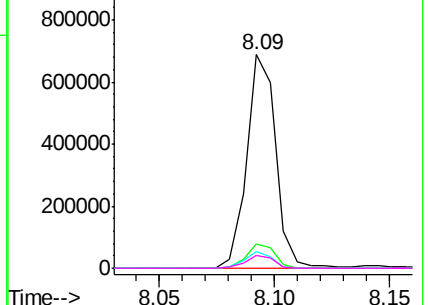
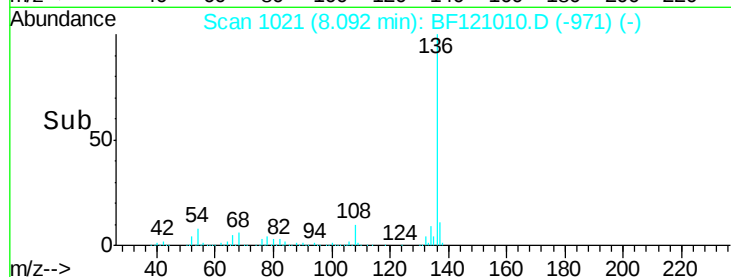


Abundance Ion 136.00 (135.70 to 136.70): E

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: 61.042 ng

RT: 7.37 min Scan# 899

Delta R.T. -0.01 min

Lab File: BF121010.D

Acq: 24 Jul 2020 18:49

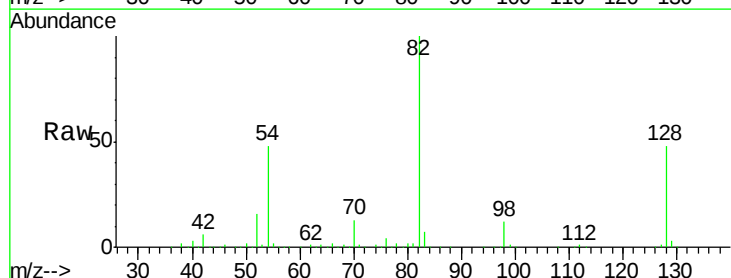
Tgt Ion: 82 Resp: 640894

Ion Ratio Lower Upper

82 100

128 48.3 38.2 57.4

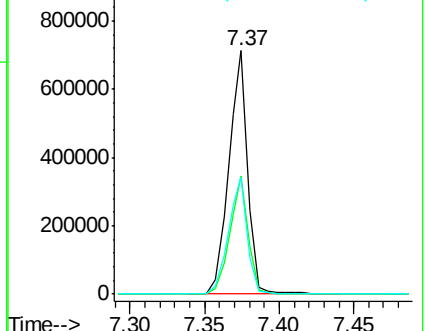
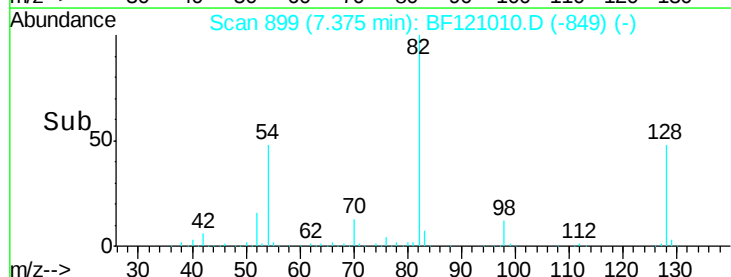
54 48.1 38.7 58.1



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: 30.591 ng

RT: 7.37 min Scan# 899

Delta R.T. -0.26 min

Lab File: BF121010.D

Acq: 24 Jul 2020 18:49

Instrument :

BNA_F

ClientSampleId :

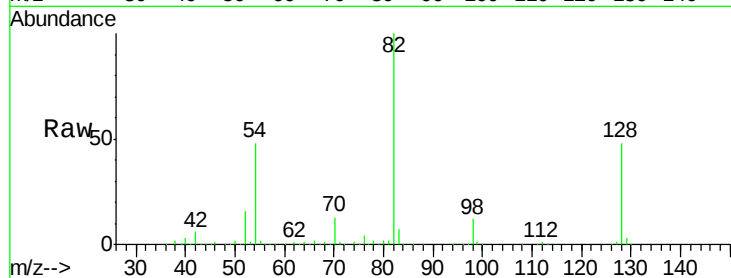
Tot Ion: 82 Resp: 640994

Ion Ratio Lower Upper

82 100

95 0.0 5.5 8.3#

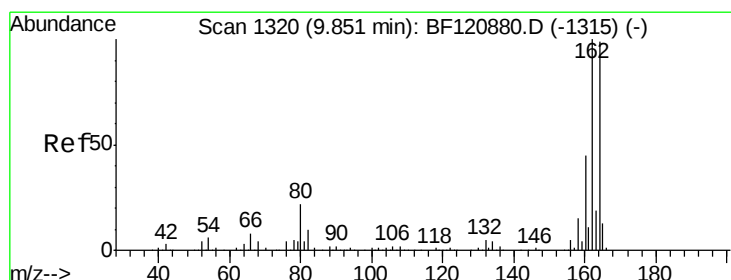
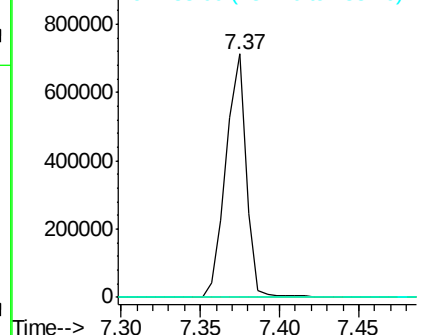
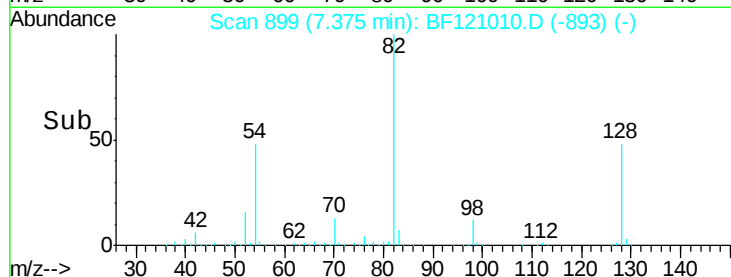
138 0.0 15.6 23.4#



Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 95.00 (94.70 to 95.70): BF1

Ion 138.00 (137.70 to 138.70): BF1



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.85 min Scan# 1319

Delta R.T. -0.01 min

Lab File: BF121010.D

Acq: 24 Jul 2020 18:49

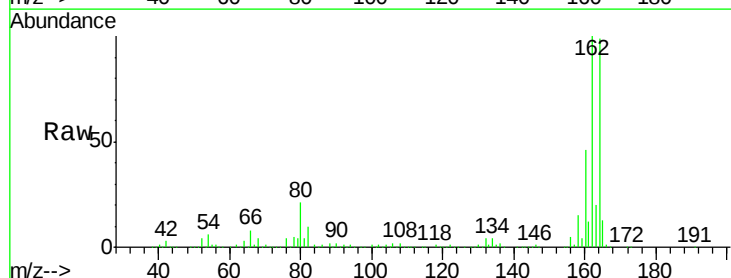
Tgt Ion: 164 Resp: 318997

Ion Ratio Lower Upper

164 100

162 101.0 81.2 121.8

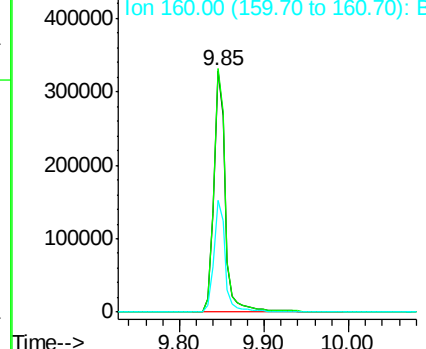
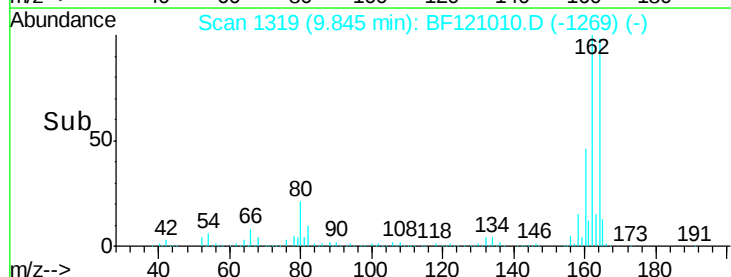
160 46.2 36.9 55.3



Abundance Ion 164.00 (163.70 to 164.70): BF1

Ion 162.00 (161.70 to 162.70): BF1

Ion 160.00 (159.70 to 160.70): BF1





#42

2,4,6-Tribromophenol

Concen: 20.330 ng

RT: 10.63 min Scan# 1453

Delta R.T. -0.01 min

Lab File: BF121010.D

Acq: 24 Jul 2020 18:49

Instrument :

BNA_F

ClientSampleId :

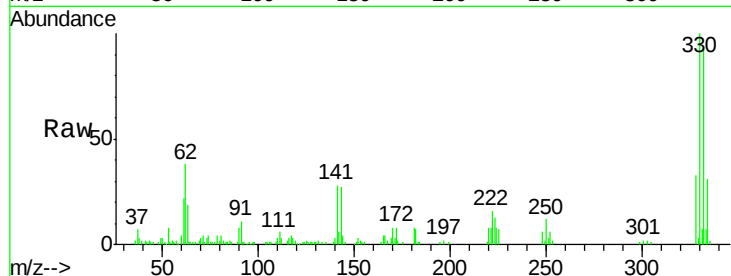
Tot Ion:330 Resp: 70986

Ion Ratio Lower Upper

330 100

332 94.0 75.5 113.3

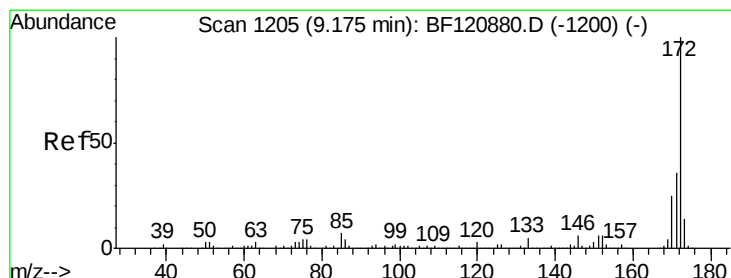
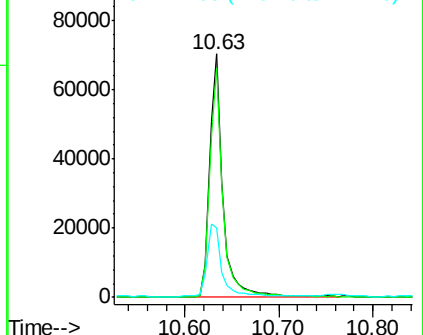
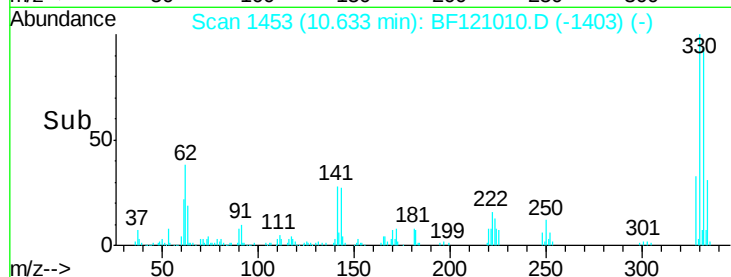
141 35.0 25.7 38.5



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: 57.055 ng

RT: 9.17 min Scan# 1204

Delta R.T. -0.01 min

Lab File: BF121010.D

Acq: 24 Jul 2020 18:49

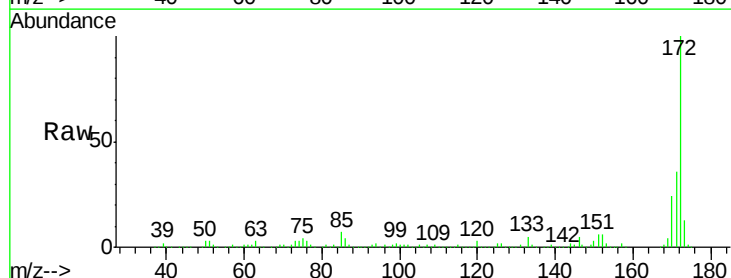
Tgt Ion:172 Resp: 1219018

Ion Ratio Lower Upper

172 100

171 35.5 29.0 43.4

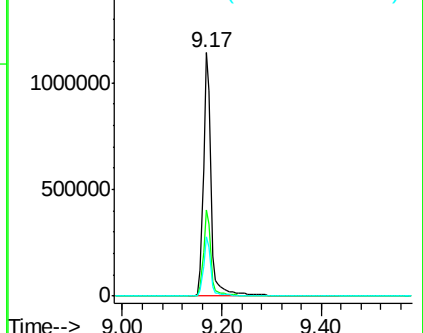
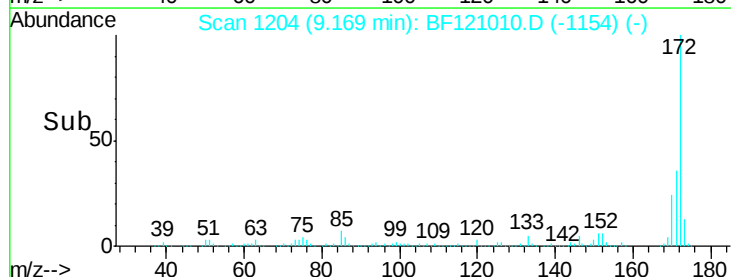
170 24.1 19.6 29.4

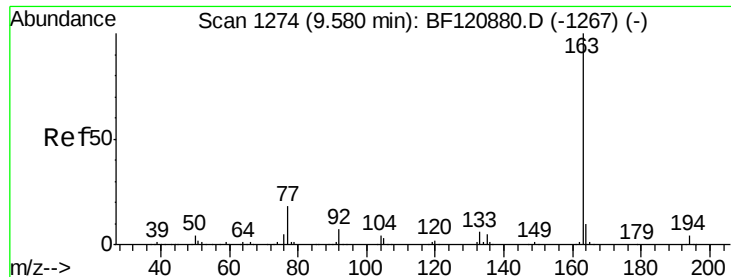


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E





#50

Dimethylphthalate

Concen: 10.357 ng

RT: 9.56 min Scan# 1271

Delta R.T. -0.02 min

Lab File: BF121010.D

Acq: 24 Jul 2020 18:49

Instrument :

BNA_F

ClientSampleId :

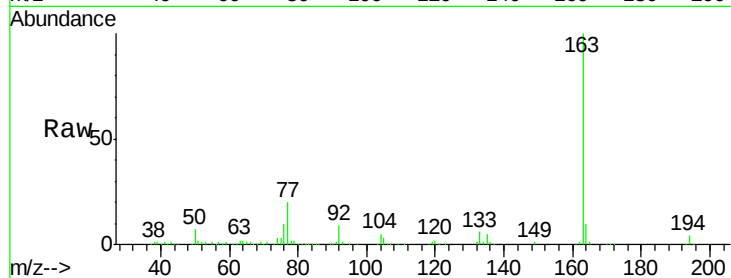
Tot Ion:163 Resp: 238356

Ion Ratio Lower Upper

163 100

194 3.6 3.2 4.8

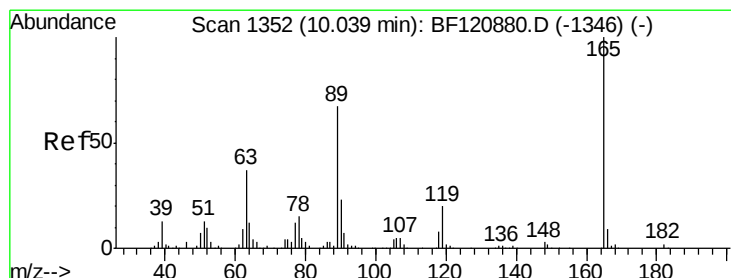
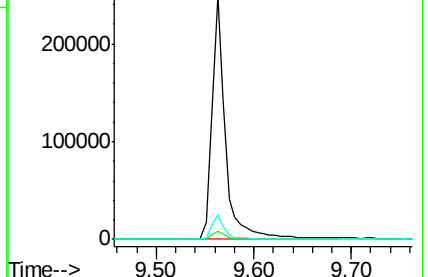
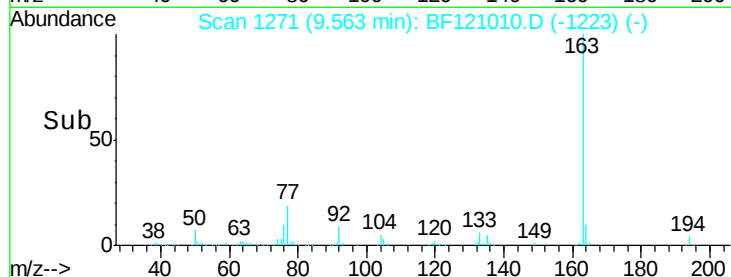
164 10.3 7.9 11.9



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



#57

2,4-Dinitrotoluene

Concen: 6.509 ng

RT: 9.85 min Scan# 1319

Delta R.T. -0.19 min

Lab File: BF121010.D

Acq: 24 Jul 2020 18:49

Tgt Ion:165 Resp: 42264

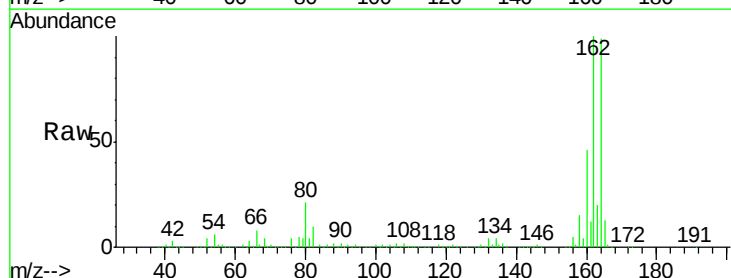
Ion Ratio Lower Upper

165 100

63 1.5 29.4 44.2#

89 1.4 53.4 80.0#

182 0.0 1.8 2.6#

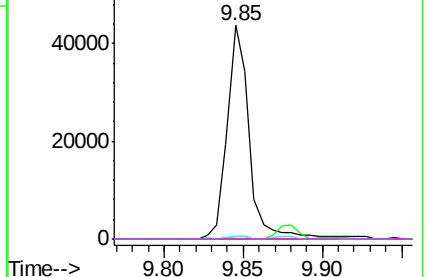
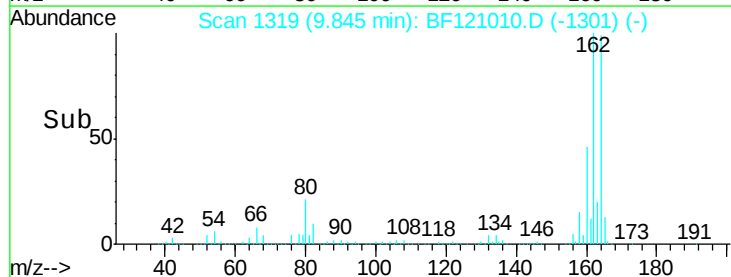


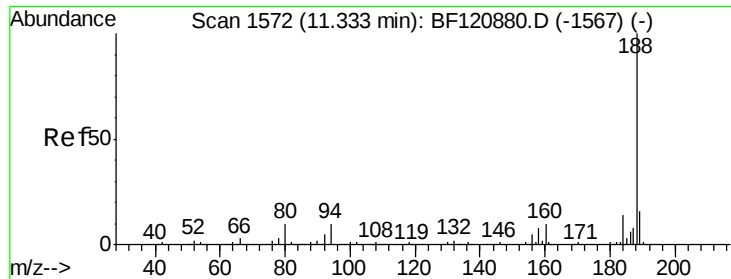
Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1

Ion 182.00 (181.70 to 182.70): E

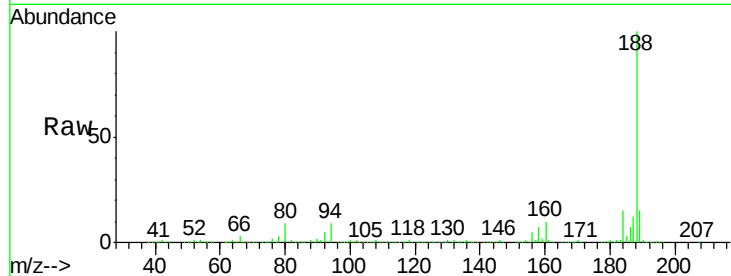




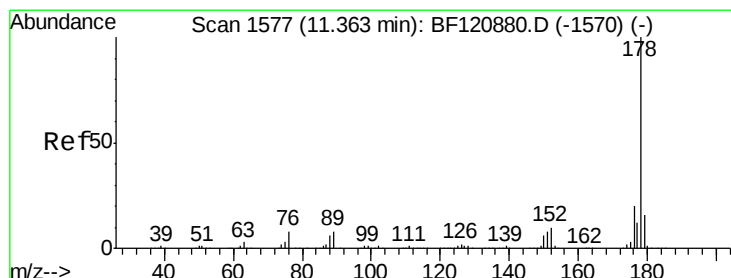
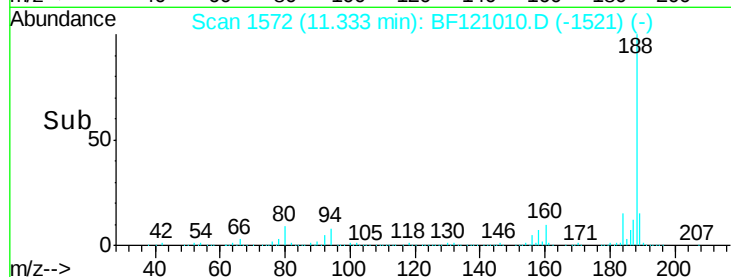
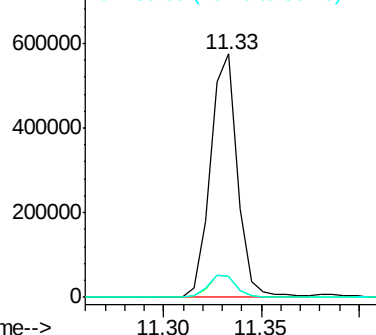
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.33 min Scan# 1572
Delta R.T. 0.00 min
Lab File: BF121010.D
Acq: 24 Jul 2020 18:49

Instrument :
BNA_F
ClientSampleId :

Tot Ion:188 Resp: 553985
Ion Ratio Lower Upper
188 100
94 8.5 8.0 12.0
80 8.7 8.3 12.5

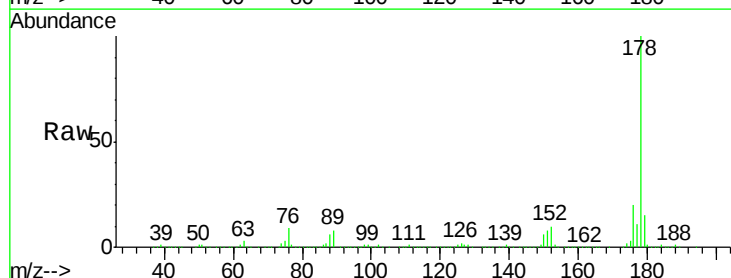


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF1
Ion 80.00 (79.70 to 80.70): BF1

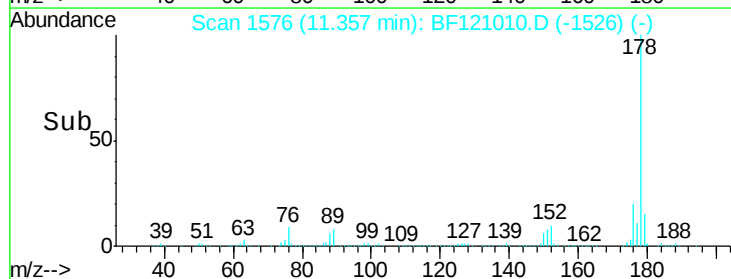
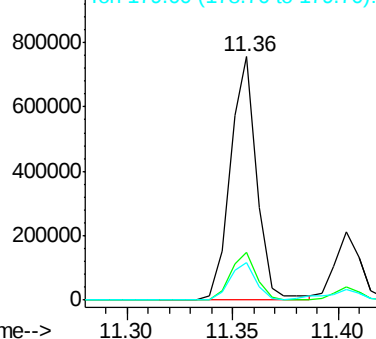


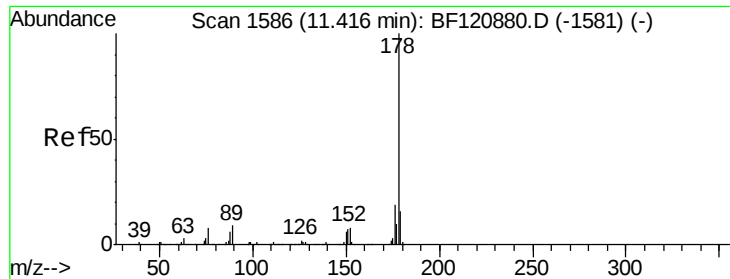
#71
Phenanthrene
Concen: 23.079 ng
RT: 11.36 min Scan# 1576
Delta R.T. -0.01 min
Lab File: BF121010.D
Acq: 24 Jul 2020 18:49

Tgt Ion:178 Resp: 657549
Ion Ratio Lower Upper
178 100
176 19.6 16.2 24.4
179 15.4 12.8 19.2



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





#72

Anthracene

Concen: 5.922 ng

RT: 11.40 min Scan# 1584

Delta R.T. -0.01 min

Lab File: BF121010.D

Acq: 24 Jul 2020 18:49

Instrument :

BNA_F

ClientSampleId :

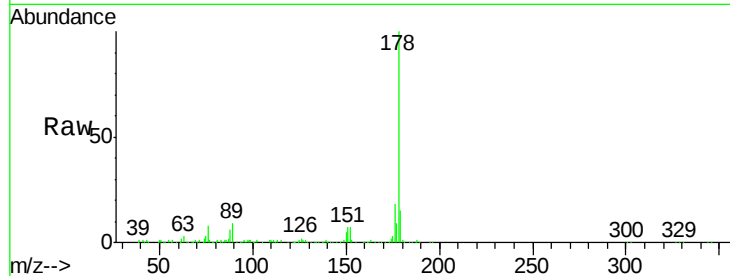
Tot Ion:178 Resp: 169427

Ion Ratio Lower Upper

178 100

176 18.3 15.5 23.3

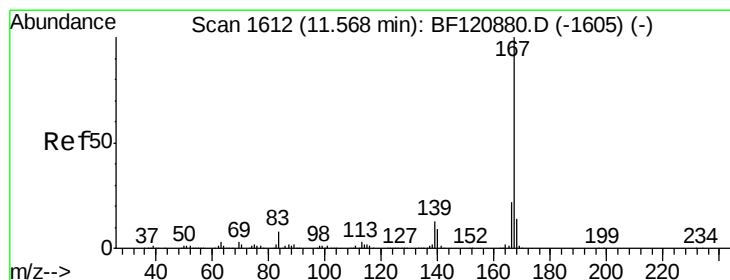
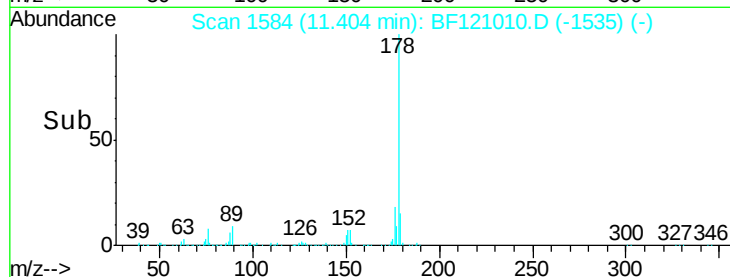
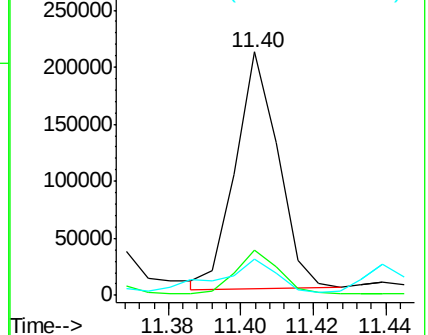
179 15.1 12.8 19.2



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#73

Carbazole

Concen: 3.943 ng

RT: 11.56 min Scan# 1611

Delta R.T. -0.01 min

Lab File: BF121010.D

Acq: 24 Jul 2020 18:49

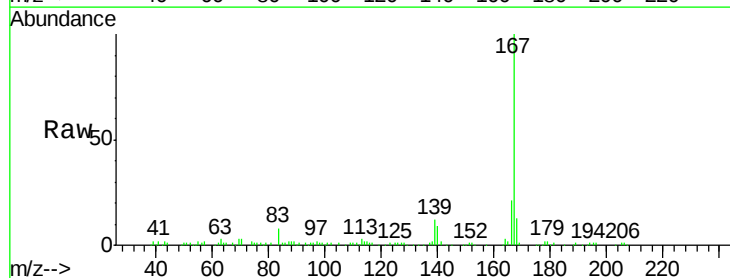
Tgt Ion:167 Resp: 111938

Ion Ratio Lower Upper

167 100

166 21.5 17.7 26.5

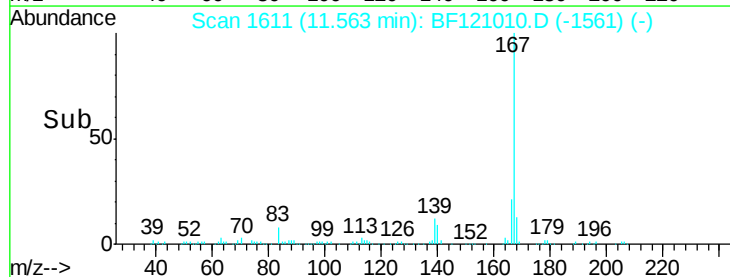
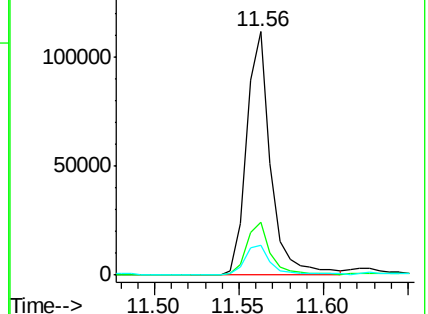
139 12.1 10.1 15.1

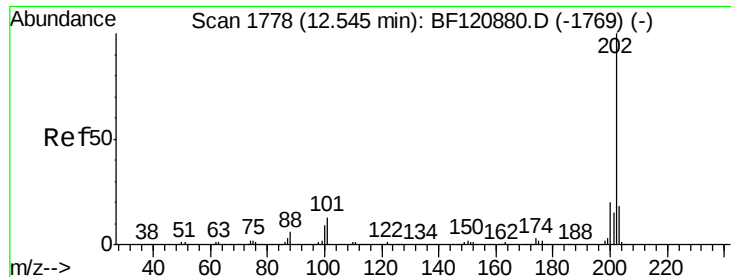


Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E





#75

Fluoranthene

Concen: 44.517 ng

RT: 12.54 min Scan# 1778

Delta R.T. 0.00 min

Lab File: BF121010.D

Acq: 24 Jul 2020 18:49

Instrument :

BNA_F

ClientSampleId :

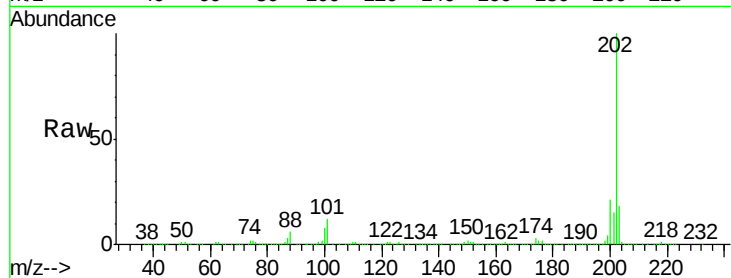
Tot Ion:202 Resp: 1405890

Ion Ratio Lower Upper

202 100

101 11.8 0.0 32.7

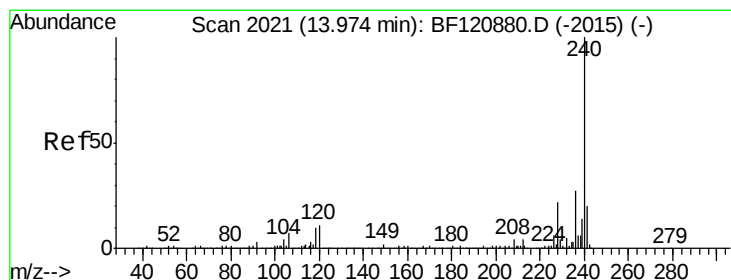
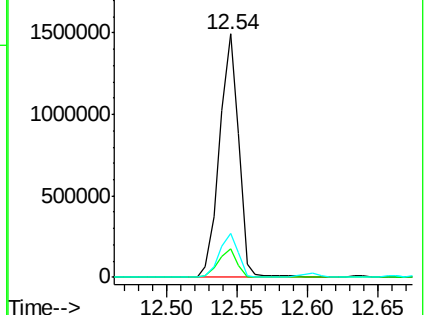
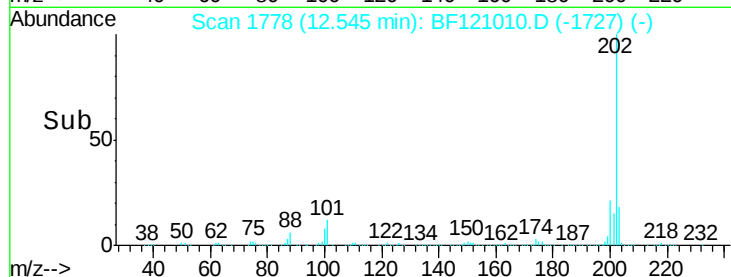
203 18.1 0.0 38.0



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: 13.97 min Scan# 2020

Delta R.T. -0.01 min

Lab File: BF121010.D

Acq: 24 Jul 2020 18:49

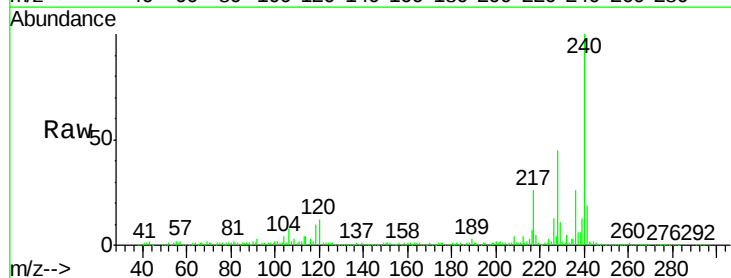
Tgt Ion:240 Resp: 376853

Ion Ratio Lower Upper

240 100

120 11.6 9.0 13.4

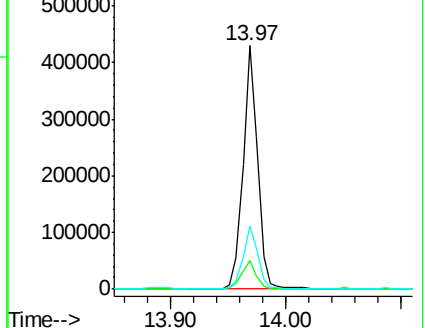
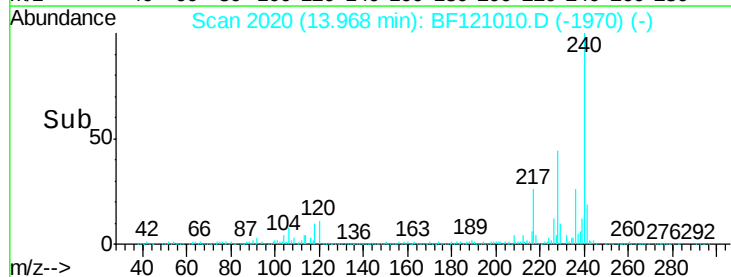
236 25.9 21.7 32.5

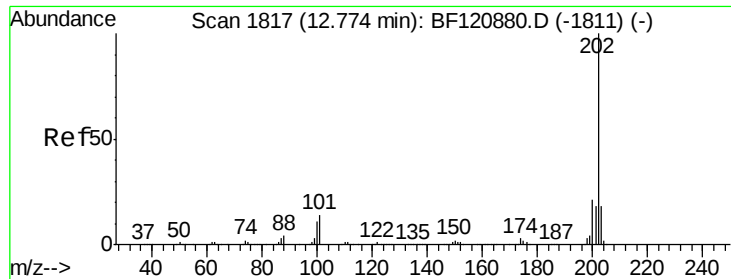


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

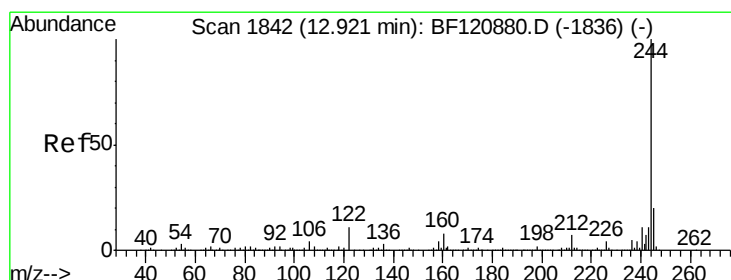
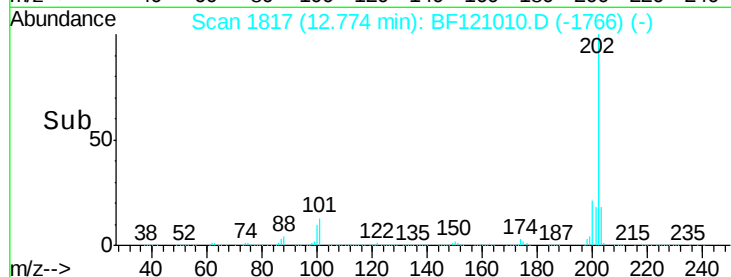
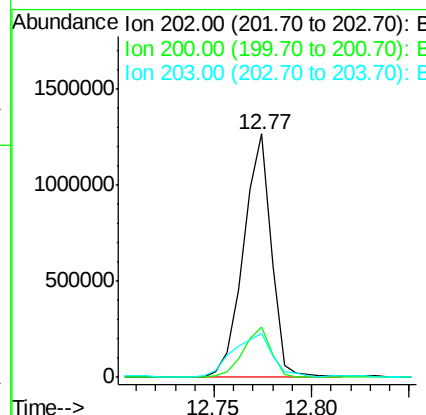
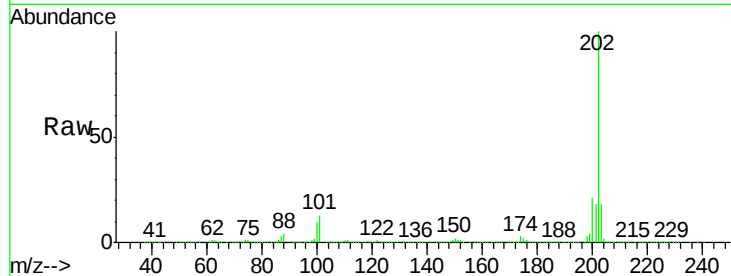




#78
Pvrene
Concen: 46.820 ng
RT: 12.77 min Scan# 1817
Delta R.T. 0.00 min
Lab File: BF121010.D
Acq: 24 Jul 2020 18:49

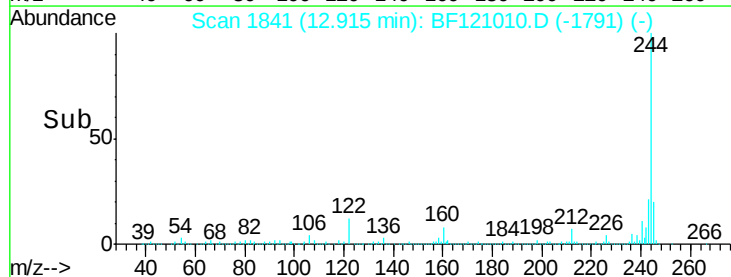
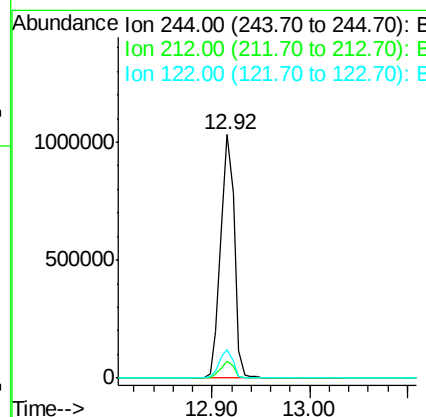
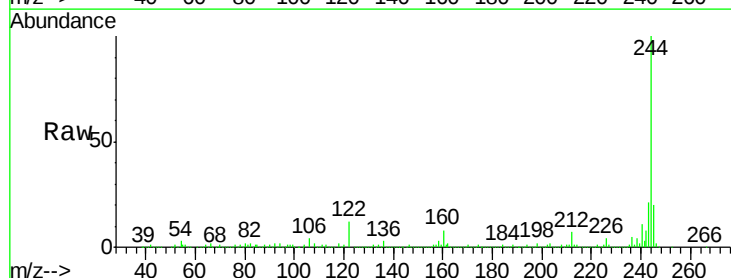
Instrument :
BNA_F
ClientSampleId :

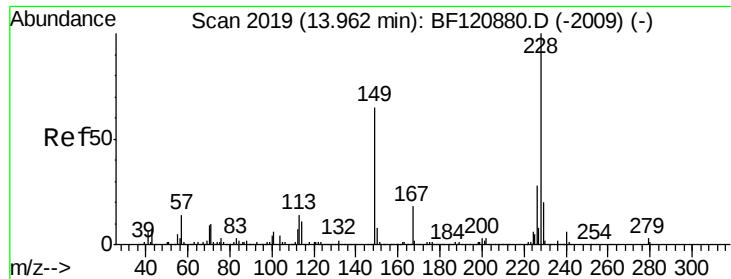
Tot Ion:202 Resp: 1247464
Ion Ratio Lower Upper
202 100
200 20.9 17.0 25.4
203 18.2 14.4 21.6



#79
Terphenyl-d14
Concen: 58.586 ng
RT: 12.92 min Scan# 1841
Delta R.T. -0.01 min
Lab File: BF121010.D
Acq: 24 Jul 2020 18:49

Tgt Ion:244 Resp: 1015660
Ion Ratio Lower Upper
244 100
212 6.8 5.6 8.4
122 11.7 8.9 13.3

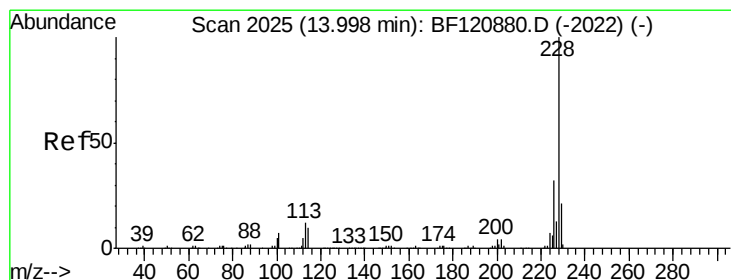
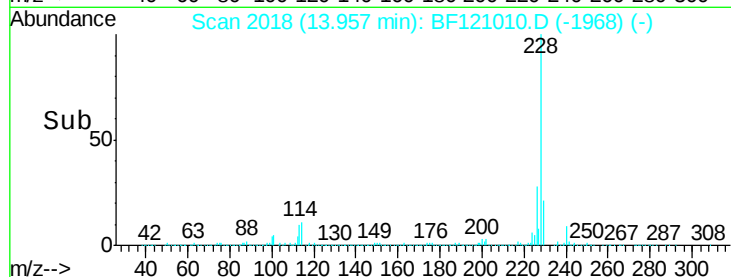
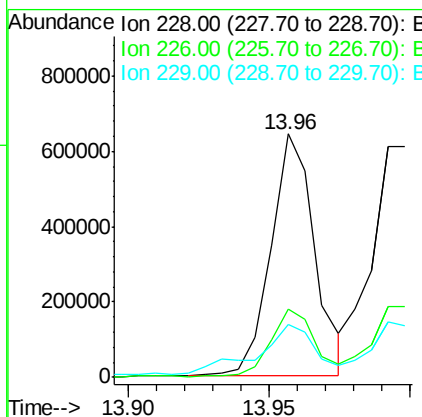
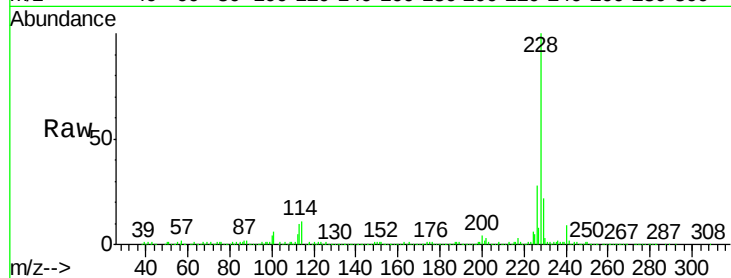




#81
Benzo(a)anthracene
Concen: 30.286 ng
RT: 13.96 min Scan# 2018
Delta R.T. -0.01 min
Lab File: BF121010.D
Acq: 24 Jul 2020 18:49

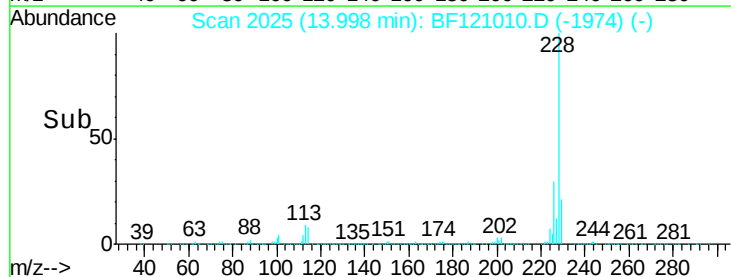
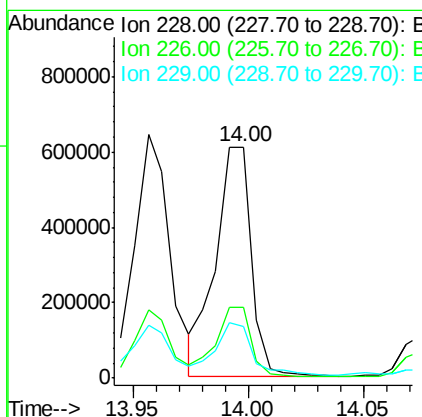
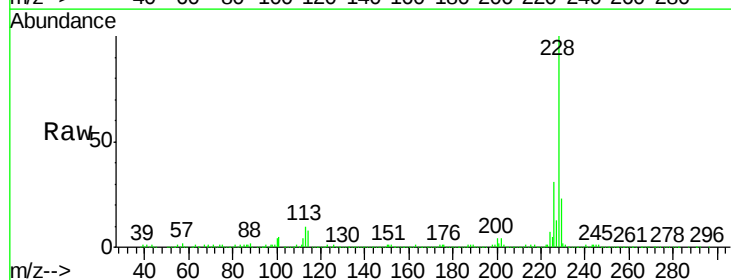
Instrument :
BNA_F
ClientSampleId :

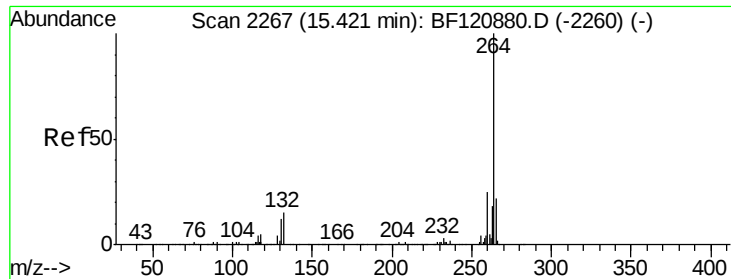
Tot Ion:228 Resp: 691145
Ion Ratio Lower Upper
228 100
226 28.3 22.3 33.5
229 21.9 16.1 24.1



#83
Chrysene
Concen: 27.543 ng
RT: 14.00 min Scan# 2025
Delta R.T. 0.00 min
Lab File: BF121010.D
Acq: 24 Jul 2020 18:49

Tgt Ion:228 Resp: 660533
Ion Ratio Lower Upper
228 100
226 30.6 25.6 38.4
229 22.5 16.8 25.2

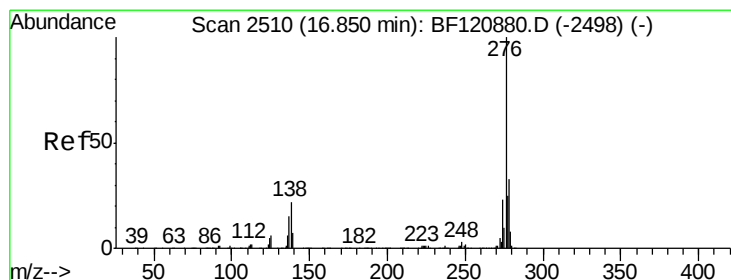
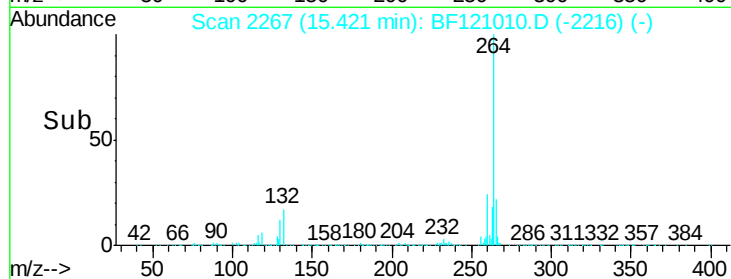
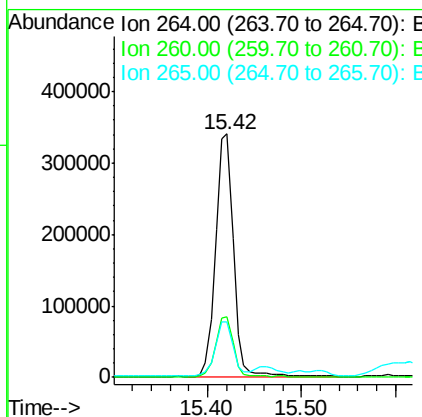
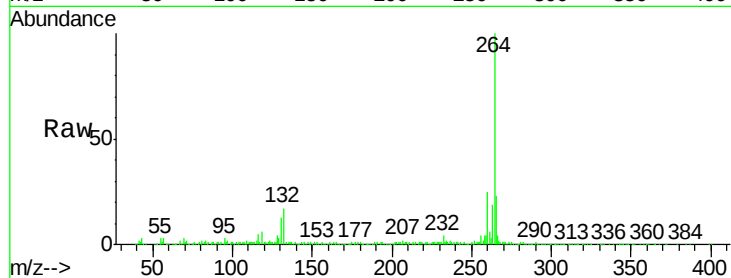




#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.42 min Scan# 2267
Delta R.T. 0.00 min
Lab File: BF121010.D
Acq: 24 Jul 2020 18:49

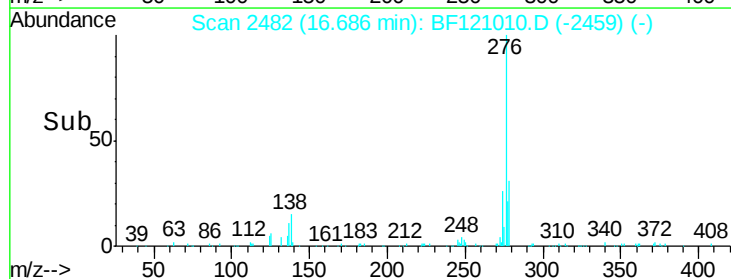
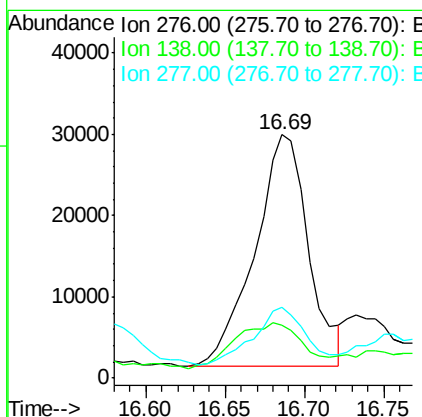
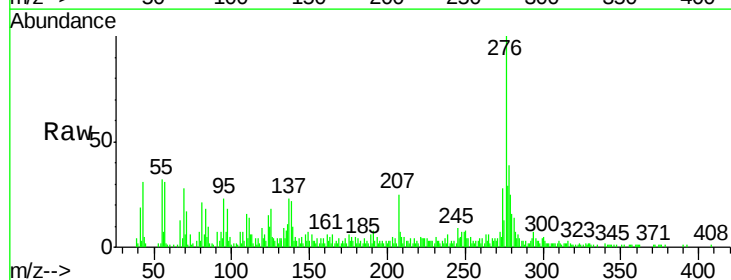
Instrument :
BNA_F
ClientSampleId :

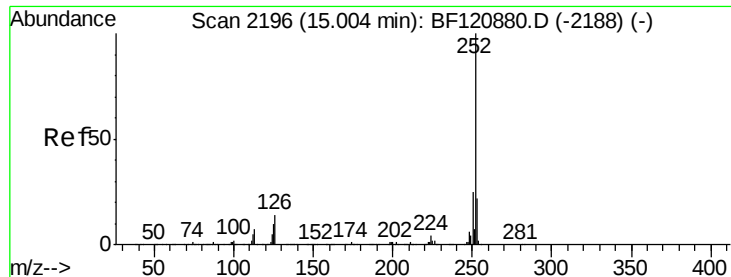
Tot Ion:264 Resp: 454288
Ion Ratio Lower Upper
264 100
260 24.9 20.0 30.0
265 22.5 17.4 26.2



#87
Indeno(1,2,3-cd)pyrene
Concen: 2.120 ng
RT: 16.69 min Scan# 2482
Delta R.T. -0.16 min
Lab File: BF121010.D
Acq: 24 Jul 2020 18:49

Tgt Ion:276 Resp: 66984
Ion Ratio Lower Upper
276 100
138 25.3 19.8 29.8
277 23.3 20.2 30.2

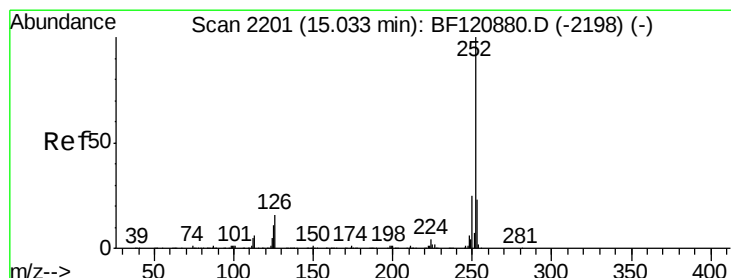
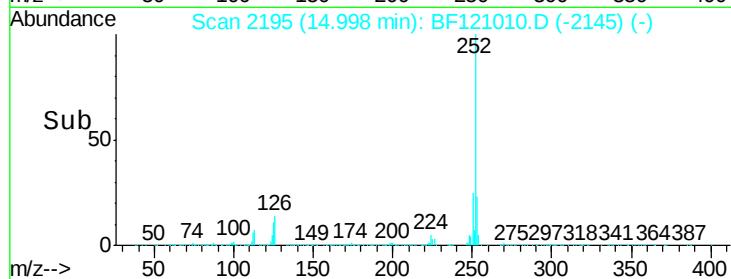
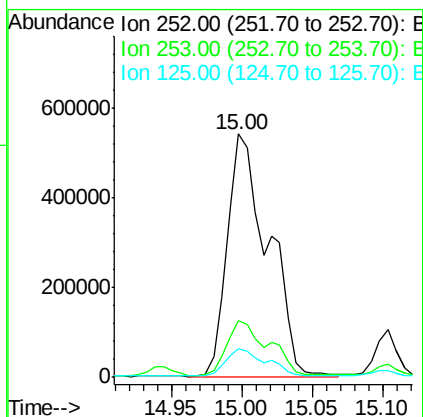
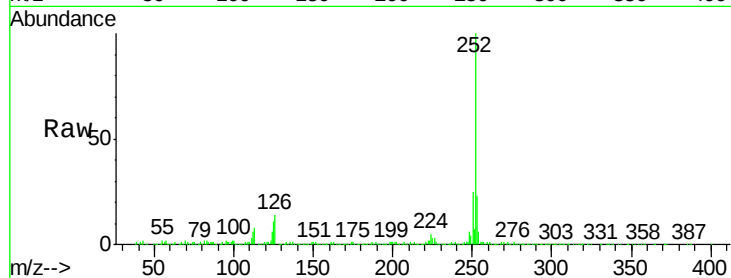




#88
Benzo(b)fluoranthene
Concen: 39.933 ng
RT: 15.00 min Scan# 2195
Delta R.T. -0.01 min
Lab File: BF121010.D
Acq: 24 Jul 2020 18:49

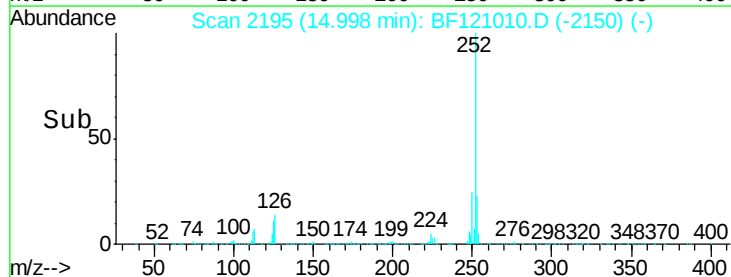
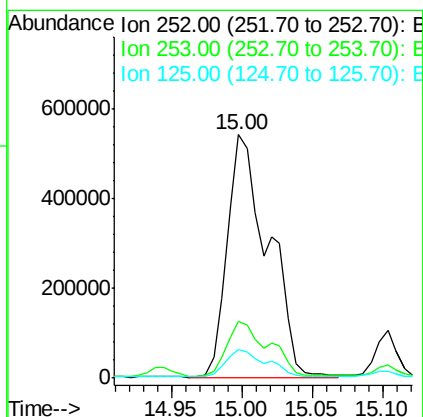
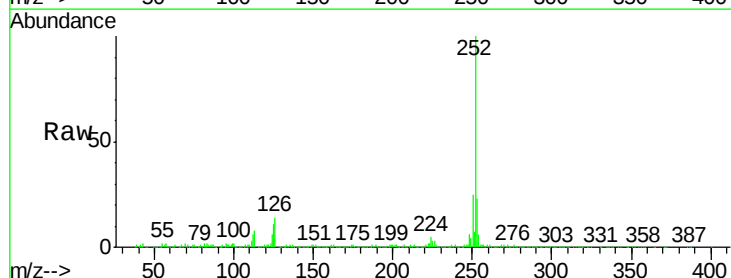
Instrument :
BNA_F
ClientSampleId :

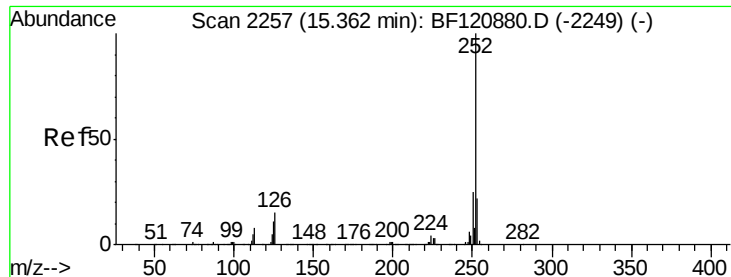
Tot Ion:252 Resp: 1096554
Ion Ratio Lower Upper
252 100
253 23.3 18.0 27.0
125 11.5 8.3 12.5



#89
Benzo(k)fluoranthene
Concen: 43.786 ng
RT: 15.00 min Scan# 2195
Delta R.T. -0.04 min
Lab File: BF121010.D
Acq: 24 Jul 2020 18:49

Tgt Ion:252 Resp: 1096554
Ion Ratio Lower Upper
252 100
253 23.3 18.2 27.2
125 11.5 8.4 12.6





#90

Benzo(a)pyrene

Concen: 23.657 ng

RT: 15.36 min Scan# 2256

Delta R.T. -0.01 min

Lab File: BF121010.D

Acq: 24 Jul 2020 18:49

Instrument :

BNA_F

ClientSampleId :

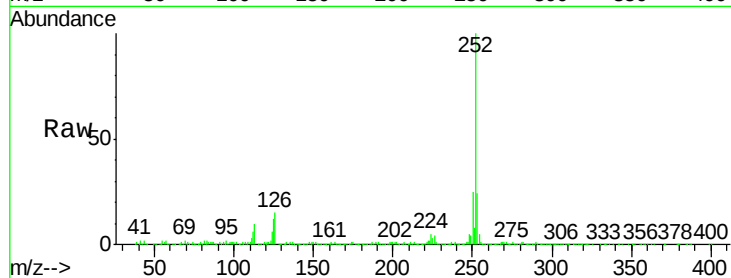
Tot Ion:252 Resp: 592682

Ion Ratio Lower Upper

252 100

253 23.8 17.8 26.8

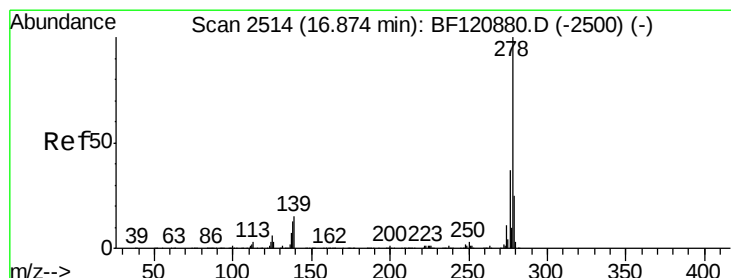
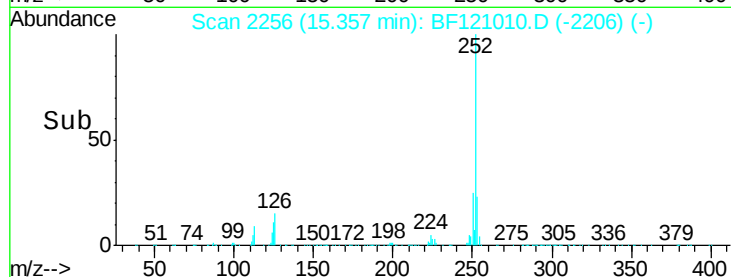
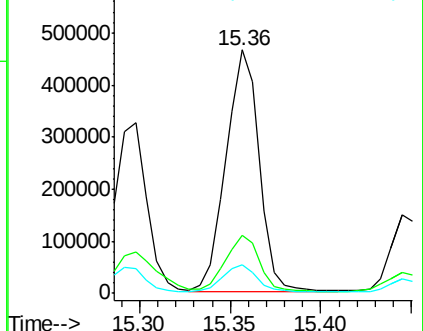
125 12.0 8.9 13.3



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#91

Dibenzo(a,h)anthracene

Concen: 3.989 ng

RT: 16.85 min Scan# 2510

Delta R.T. -0.02 min

Lab File: BF121010.D

Acq: 24 Jul 2020 18:49

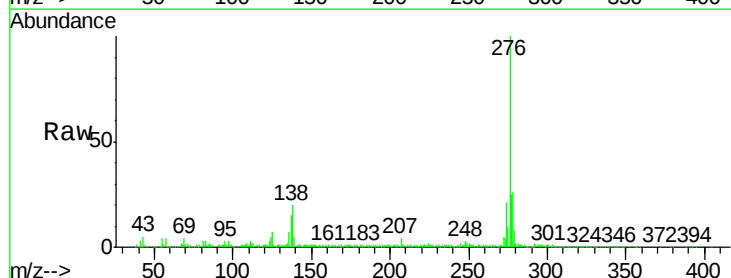
Tgt Ion:278 Resp: 102946

Ion Ratio Lower Upper

278 100

139 20.9 12.3 18.5#

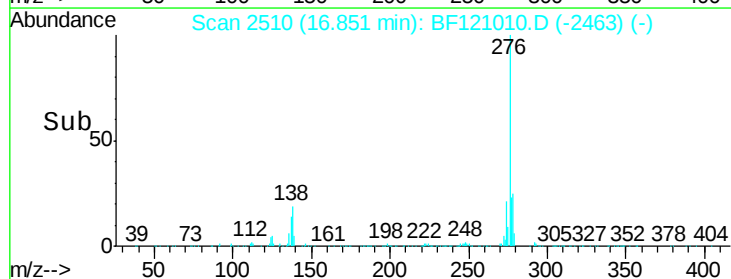
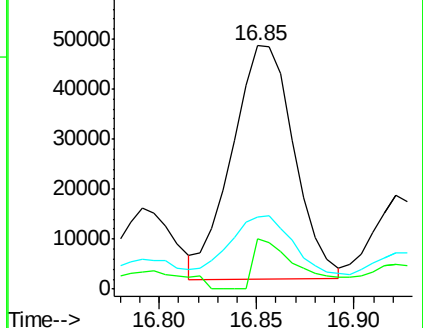
279 29.5 20.1 30.1

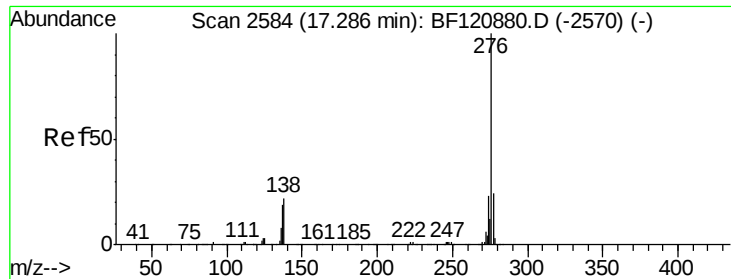


Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E

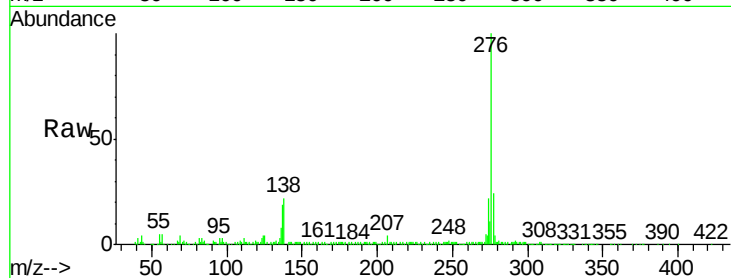




#92
 Benzo(a,h,i)perylene
 Concen: 14.132 ng
 RT: 17.27 min Scan# 2582
 Delta R.T. -0.01 min
 Lab File: BF121010.D
 Acq: 24 Jul 2020 18:49

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
276	100		
277	24.5	18.8	28.2
138	22.0	17.5	26.3



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

