

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF070720\
 Data File : BF120785.D
 Acq On : 7 Jul 2020 14:11
 Operator : JU/CG
 Sample : L3215-14
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 MW-12

Quant Time: Jul 08 10:02:35 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF070220.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jul 02 18:51:52 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.85	152	147593	20.00	ng	0.00
21) Naphthalene-d8	8.15	136	398399	20.00	ng	0.01
39) Acenaphthene-d10	9.89	164	306166	20.00	ng	0.00
64) Phenanthrene-d10	11.37	188	567055	20.00	ng	0.00
76) Chrysene-d12	14.00	240	453338	20.00	ng	0.00
86) Perylene-d12	15.47	264	395564	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.45	112	603628	63.13	ng	0.00
7) Phenol-d6	6.46	99	493072	40.38	ng	-0.01
23) Nitrobenzene-d5	7.42	82	790510	114.96	ng	0.00
42) 2,4,6-Tribromophenol	10.67	330	395543	128.60	ng	0.00
45) 2-Fluorobiphenyl	9.21	172	1526416	75.43	ng	0.00
79) Terphenyl-d14	12.96	244	1849295	79.87	ng	0.00

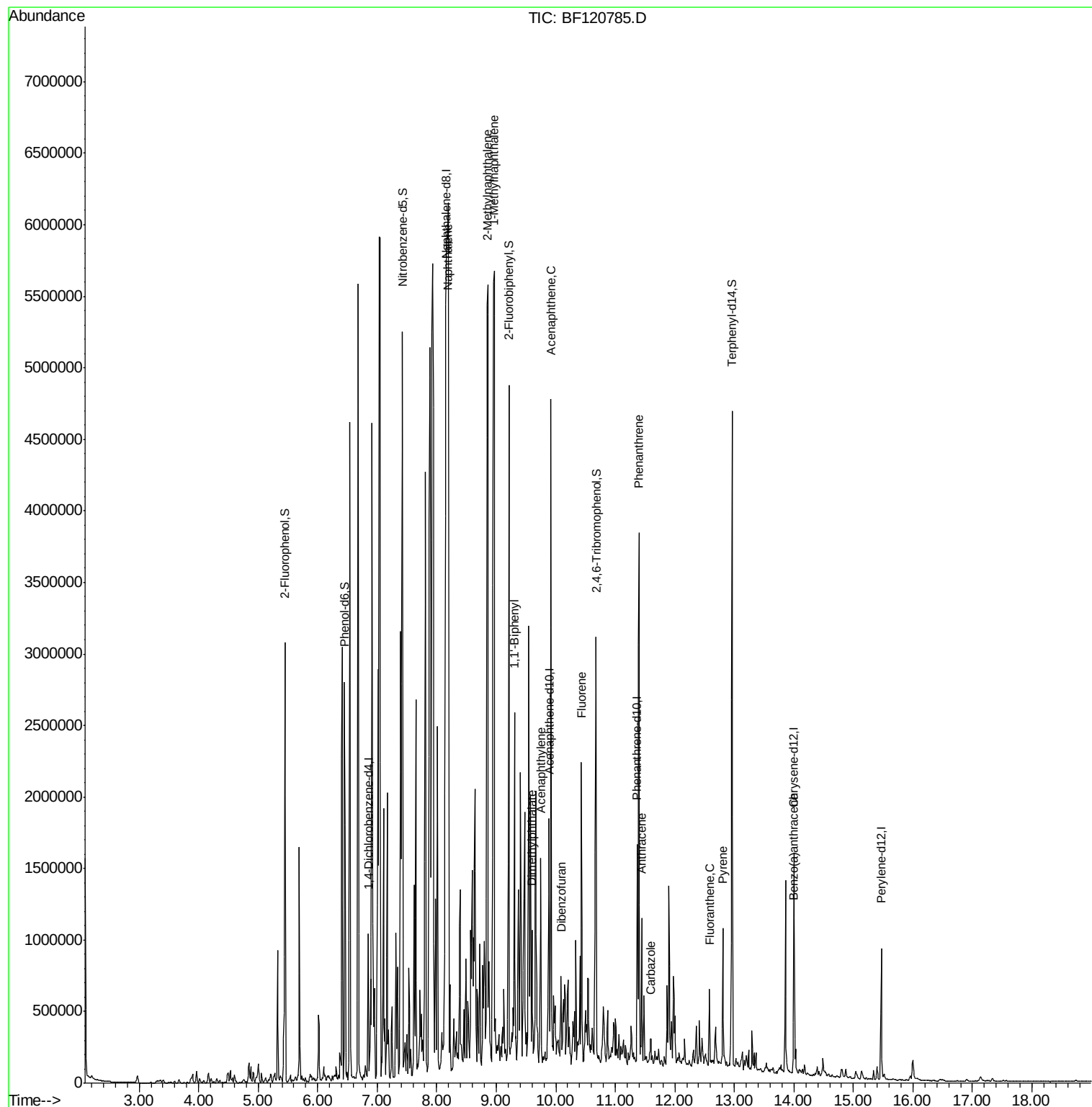
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
31) Naphthalene	8.19	128	8495365	399.004	ng	97
37) 2-Methylnaphthalene	8.86	142	2533892	183.074	ng	96
38) 1-Methylnaphthalene	8.97	142	3021945	233.090	ng	97
46) 1,1'-Biphenyl	9.31	154	654063	26.484	ng	99
49) Acenaphthylene	9.75	152	117922	3.802	ng	# 70
50) Dimethylphthalate	9.60	163	305359	13.672	ng	99
52) Acenaphthene	9.92	154	1068455	55.524	ng	98
55) Dibenzofuran	10.09	168	74237m	2.676	ng	
58) Fluorene	10.43	166	539270	26.119	ng	100
71) Phenanthrene	11.40	178	1310578	42.596	ng	99
72) Anthracene	11.45	178	333963	10.741	ng	100
73) Carbazole	11.59	167	65264	2.184	ng	98
75) Fluoranthene	12.58	202	180054	5.493	ng	99
78) Pyrene	12.81	202	378176	10.445	ng	98
81) Benzo(a)anthracene	13.99	228	72256m	2.486	ng	

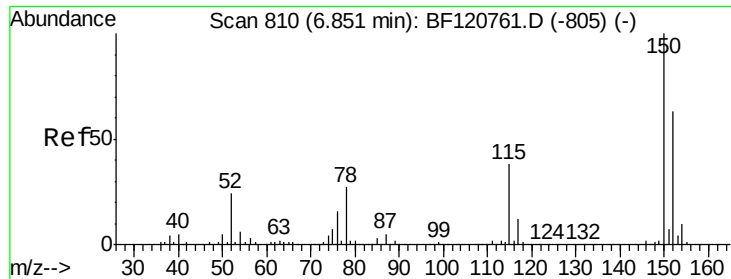
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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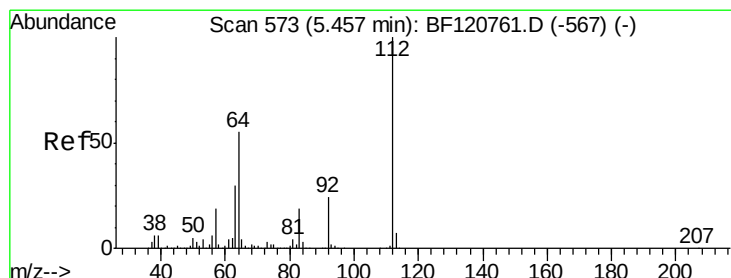
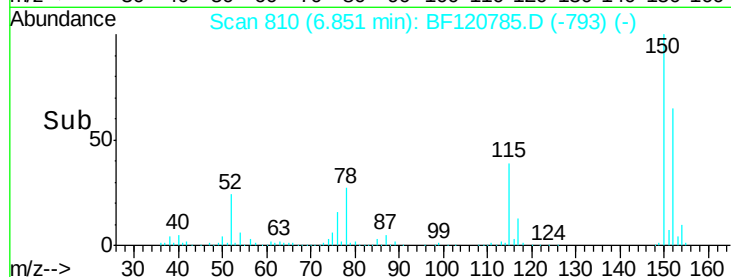
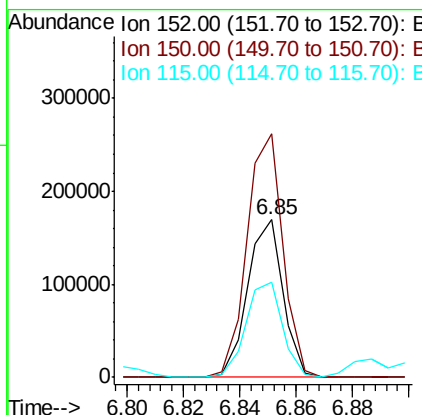
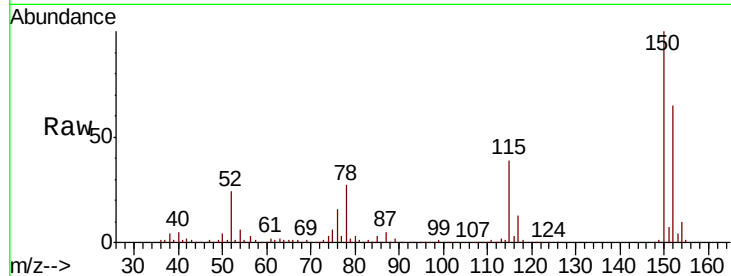


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.85 min Scan# 810
Delta R.T. 0.00 min
Lab File: BF120785.D
Acq: 7 Jul 2020 14:11

Instrument :
BNA_F
ClientSampleId :
MW-12

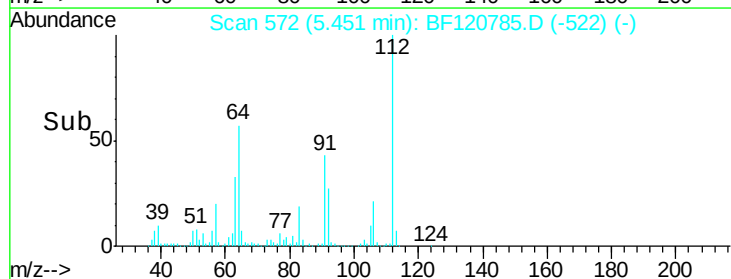
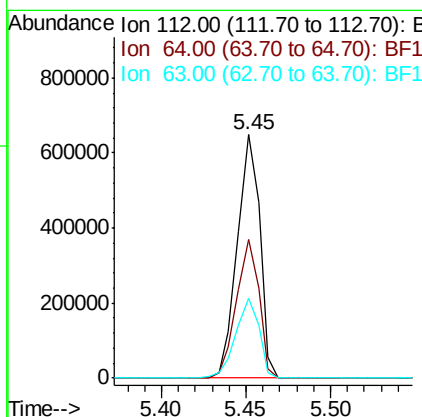
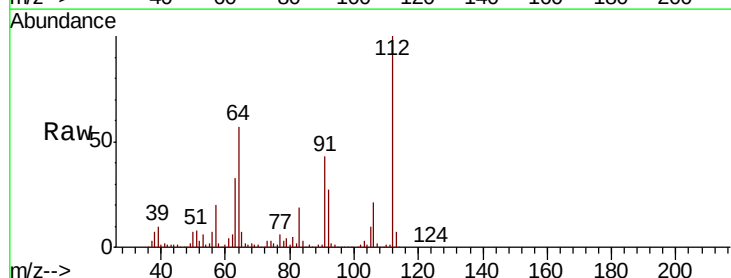
Tot Ion	Ratio	Lower	Upper
152	100		
150	154.6	126.1	189.1
115	60.7	48.5	72.7

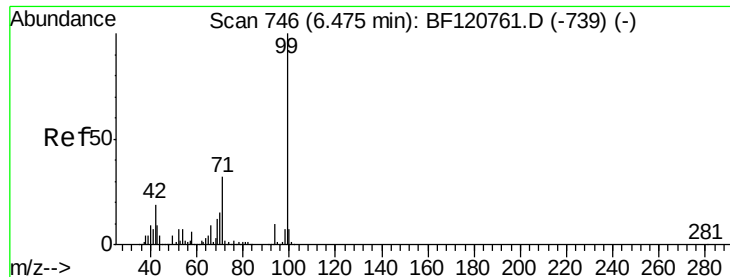


#5

2-Fluorophenol
Concen: 63.132 ng
RT: 5.45 min Scan# 572
Delta R.T. -0.01 min
Lab File: BF120785.D
Acq: 7 Jul 2020 14:11

Tgt Ion	Ratio	Lower	Upper
112	100		
64	56.9	43.8	65.6
63	32.6	23.6	35.4





#7

Phenol-d6

Concen: 40.382 ng

RT: 6.46 min Scan# 744

Delta R.T. -0.01 min

Lab File: BF120785.D

Acq: 7 Jul 2020 14:11

Instrument :

BNA_F

ClientSampleId :

MW-12

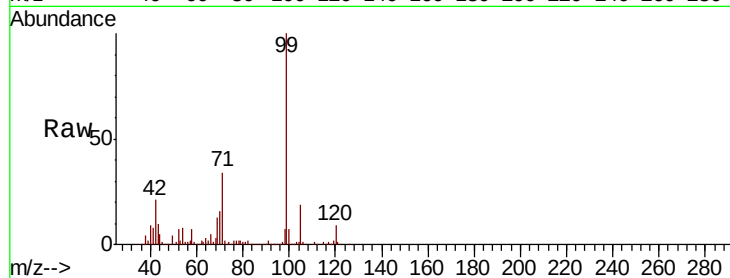
Tot Ion: 99 Resp: 493072

Ion Ratio Lower Upper

99 100

42 21.5 15.4 23.0

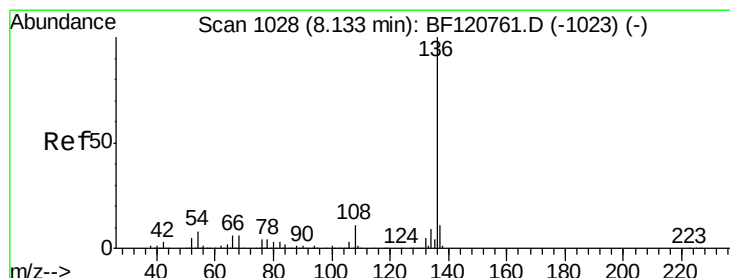
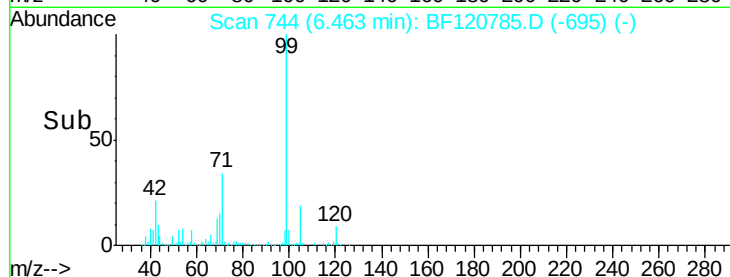
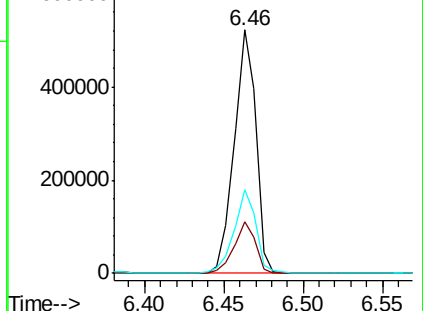
71 34.3 25.9 38.9



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



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.15 min Scan# 1030

Delta R.T. 0.01 min

Lab File: BF120785.D

Acq: 7 Jul 2020 14:11

Tgt Ion: 136 Resp: 398399

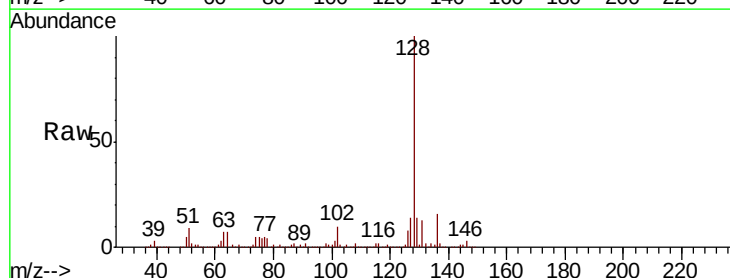
Ion Ratio Lower Upper

136 100

137 11.0 9.0 13.6

54 7.7 6.2 9.4

68 6.1 4.7 7.1

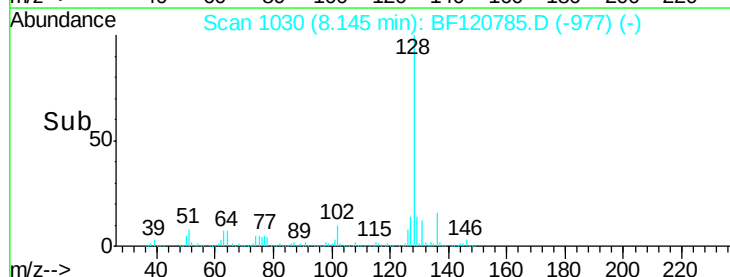
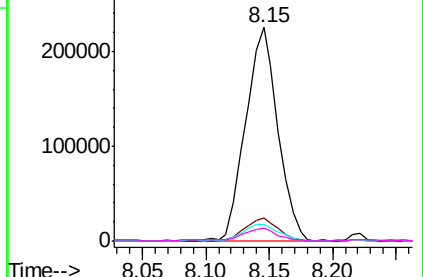


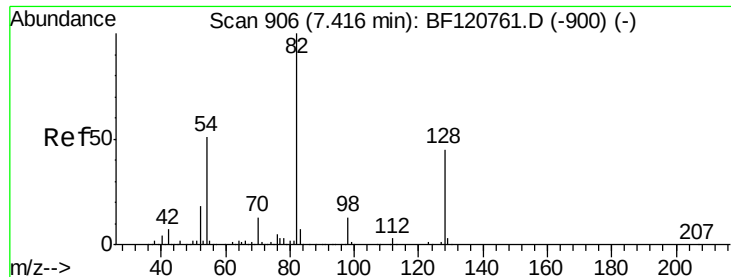
Abundance Ion 136.00 (135.70 to 136.70): BF1

Ion 137.00 (136.70 to 137.70): BF1

Ion 54.00 (53.70 to 54.70): BF1

Ion 68.00 (67.70 to 68.70): BF1

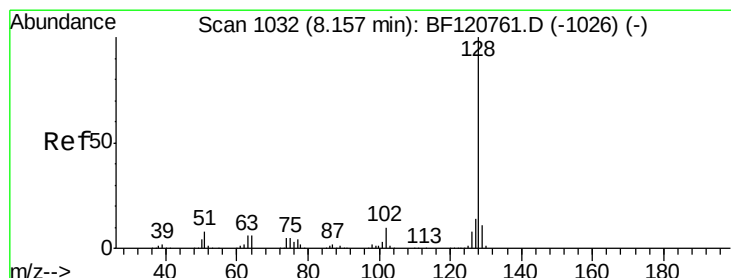
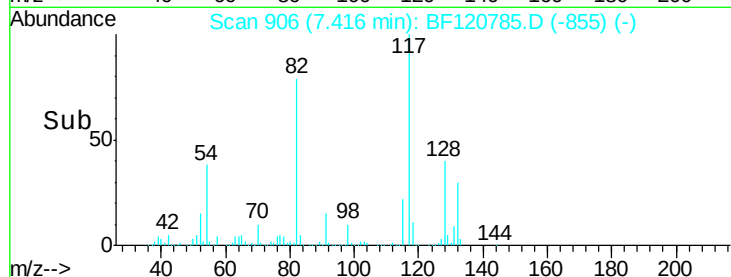
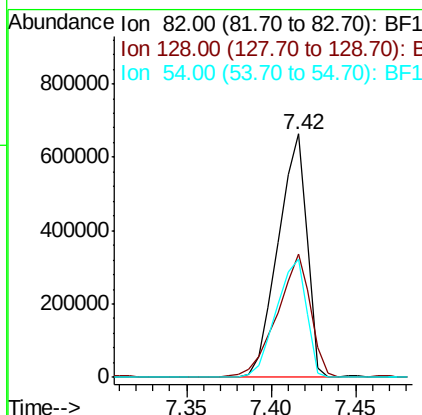
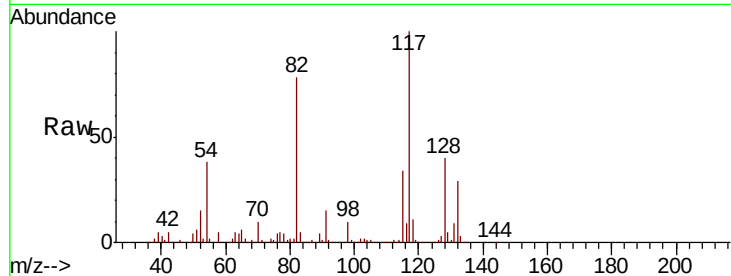




#23
Nitrobenzene-d5
Concen: 114.961 ng
RT: 7.42 min Scan# 906
Delta R.T. 0.00 min
Lab File: BF120785.D
Acq: 7 Jul 2020 14:11

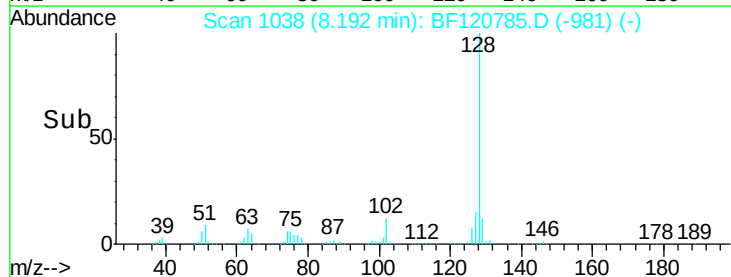
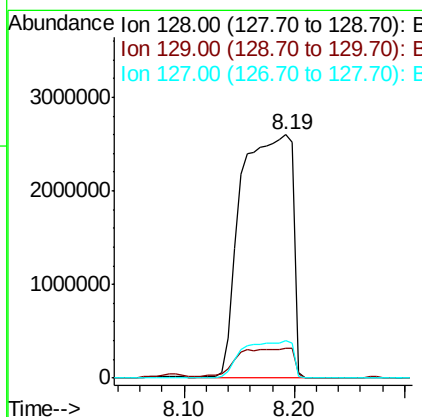
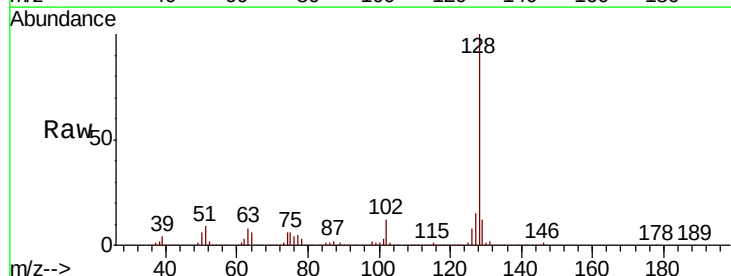
Instrument :
BNA_F
ClientSampled :
MW-12

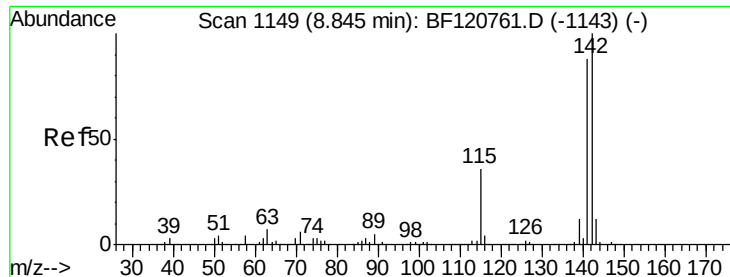
Tot Ion: 82 Resp: 790510
Ion Ratio Lower Upper
82 100
128 50.9 35.7 53.5
54 48.7 40.9 61.3



#31
Naphthalene
Concen: 399.004 ng
RT: 8.19 min Scan# 1038
Delta R.T. 0.04 min
Lab File: BF120785.D
Acq: 7 Jul 2020 14:11

Tgt Ion:128 Resp: 8495365
Ion Ratio Lower Upper
128 100
129 12.4 9.2 13.8
127 15.2 11.1 16.7

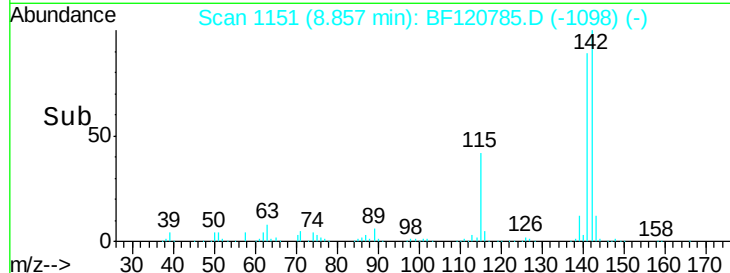
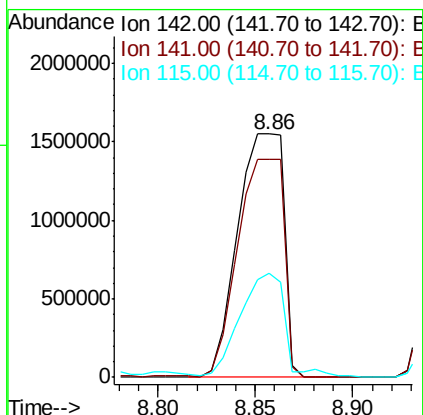
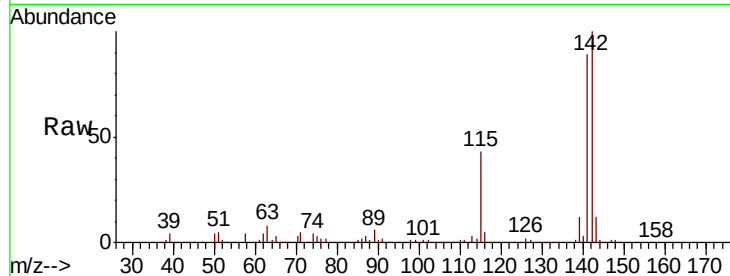




#37
2-Methylnaphthalene
Concen: 183.074 ng
RT: 8.86 min Scan# 1151
Delta R.T. 0.01 min
Lab File: BF120785.D
Acq: 7 Jul 2020 14:11

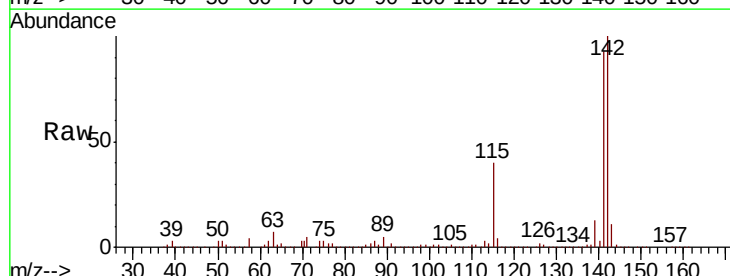
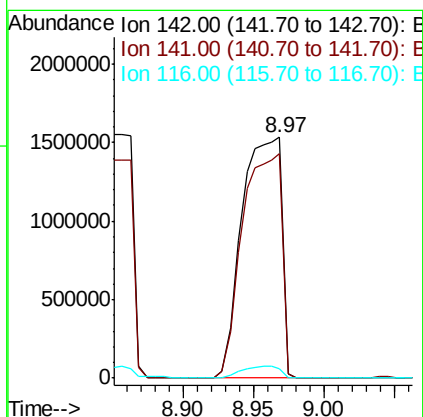
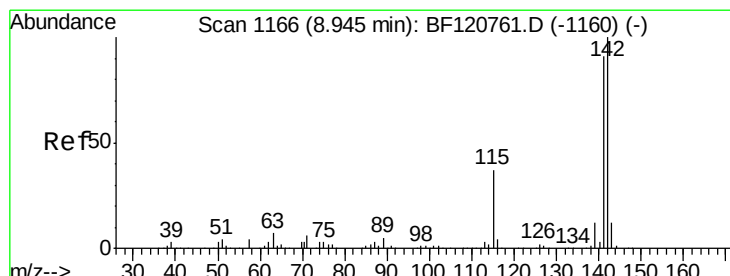
Instrument :
BNA_F
ClientSampleId :
MW-12

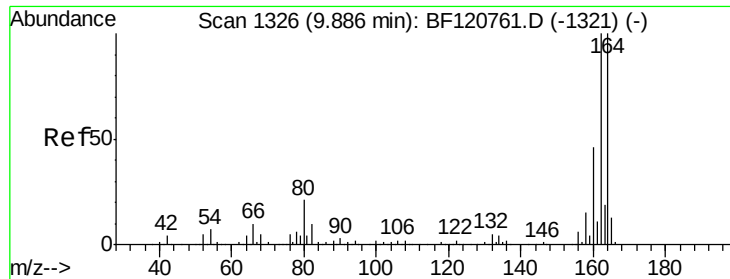
Tot Ion:142 Resp: 2533892
Ion Ratio Lower Upper
142 100
141 89.4 70.2 105.4
115 42.7 29.0 43.4



#38
1-Methylnaphthalene
Concen: 233.090 ng
RT: 8.97 min Scan# 1170
Delta R.T. 0.02 min
Lab File: BF120785.D
Acq: 7 Jul 2020 14:11

Tgt Ion:142 Resp: 3021945
Ion Ratio Lower Upper
142 100
141 93.4 72.5 108.7
116 4.0 3.1 4.7

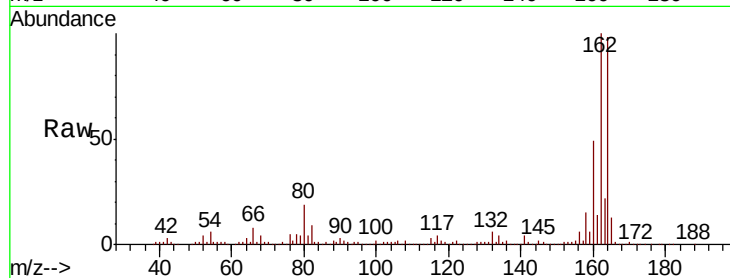




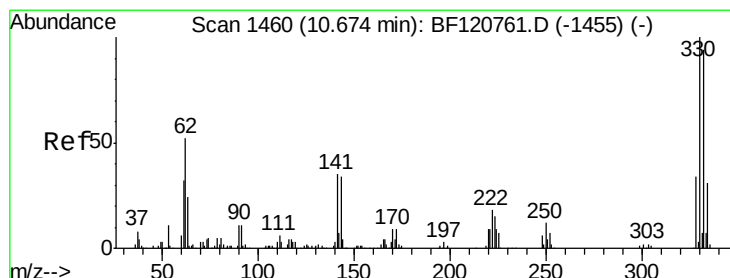
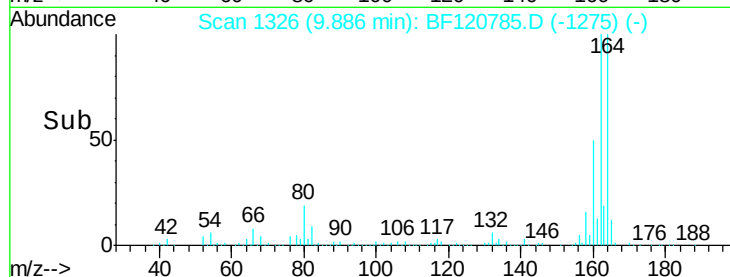
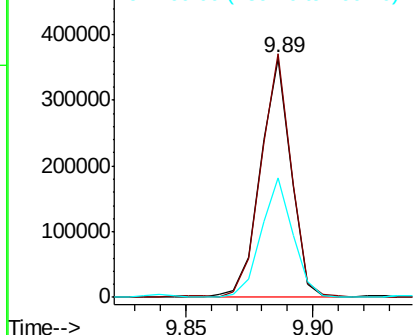
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.89 min Scan# 1326
Delta R.T. 0.00 min
Lab File: BF120785.D
Acq: 7 Jul 2020 14:11

Instrument :
BNA_F
ClientSampleId :
MW-12

Tot Ion:164 Resp: 306166
Ion Ratio Lower Upper
164 100
162 102.1 80.2 120.2
160 50.0 36.9 55.3

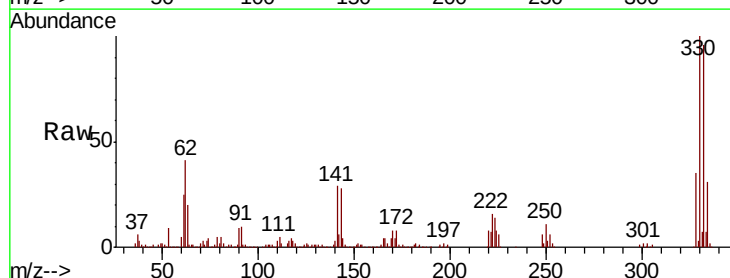


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

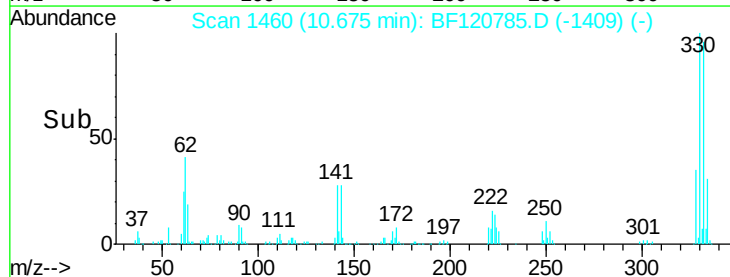
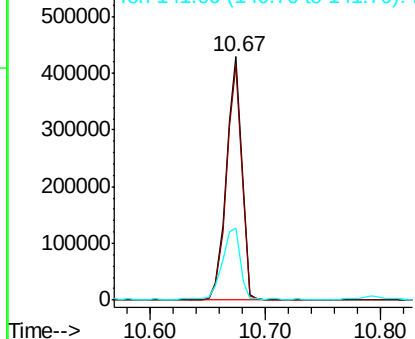


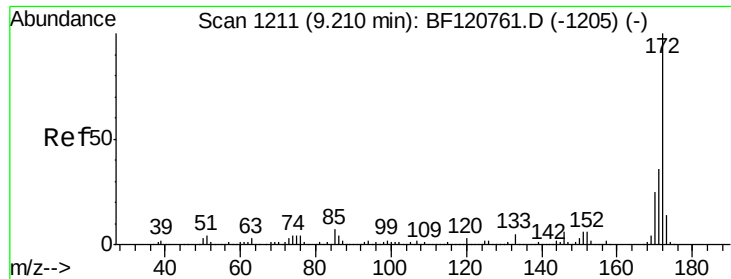
#42
2,4,6-Tribromophenol
Concen: 128.595 ng
RT: 10.67 min Scan# 1460
Delta R.T. 0.00 min
Lab File: BF120785.D
Acq: 7 Jul 2020 14:11

Tgt Ion:330 Resp: 395543
Ion Ratio Lower Upper
330 100
332 95.6 75.8 113.6
141 34.0 29.7 44.5



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

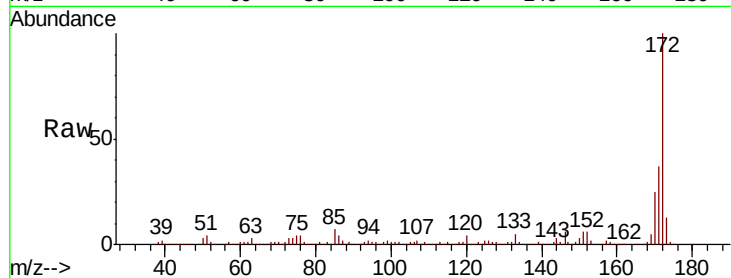




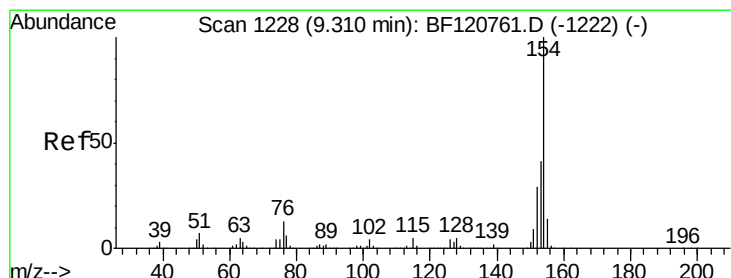
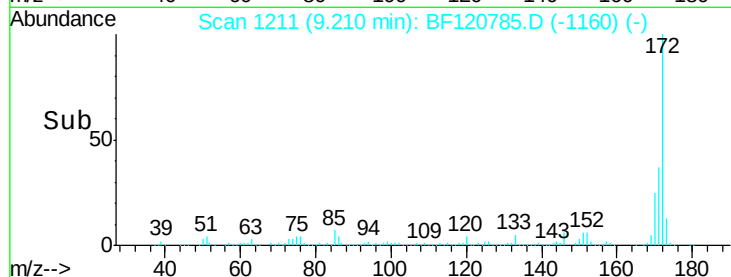
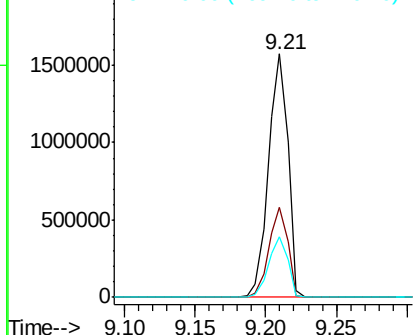
#45
2-Fluorobiphenyl
Concen: 75.429 ng
RT: 9.21 min Scan# 1211
Delta R.T. 0.00 min
Lab File: BF120785.D
Acq: 7 Jul 2020 14:11

Instrument :
BNA_F
ClientSampleId :
MW-12

Tot Ion:172 Resp: 1526416
Ion Ratio Lower Upper
172 100
171 36.8 29.1 43.7
170 24.9 19.8 29.6

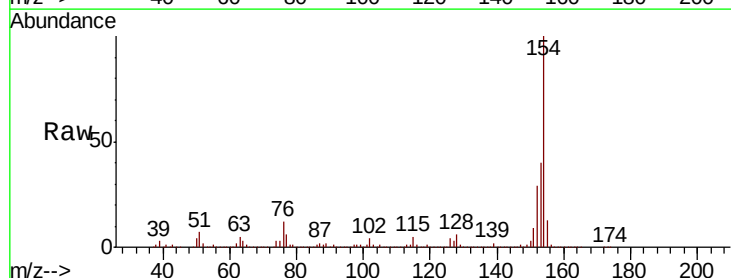


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

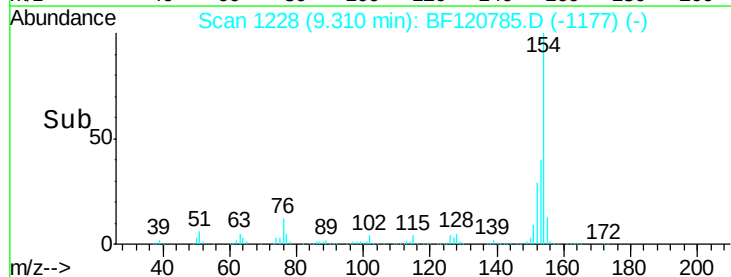
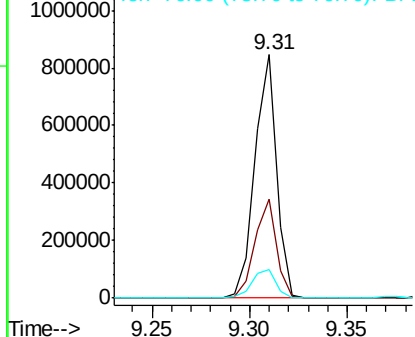


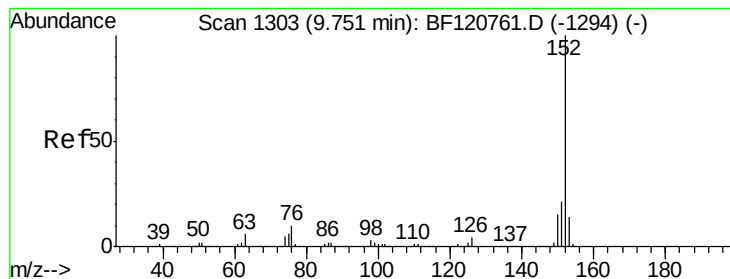
#46
1,1'-Biphenyl
Concen: 26.484 ng
RT: 9.31 min Scan# 1228
Delta R.T. 0.00 min
Lab File: BF120785.D
Acq: 7 Jul 2020 14:11

Tgt Ion:154 Resp: 654063
Ion Ratio Lower Upper
154 100
153 40.4 20.7 60.7
76 11.8 0.0 33.3



Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 76.00 (75.70 to 76.70): BF1





#49

Acenaphthylene

Concen: 3.802 ng

RT: 9.75 min Scan# 1302

Delta R.T. -0.01 min

Lab File: BF120785.D

Acq: 7 Jul 2020 14:11

Instrument :

BNA_F

ClientSampleId :

MW-12

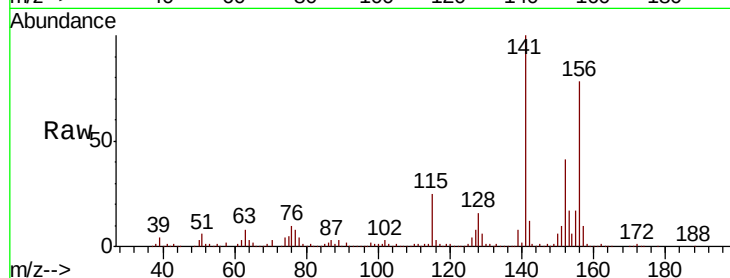
Tot Ion:152 Resp: 117922

Ion Ratio Lower Upper

152 100

151 23.4 16.9 25.3

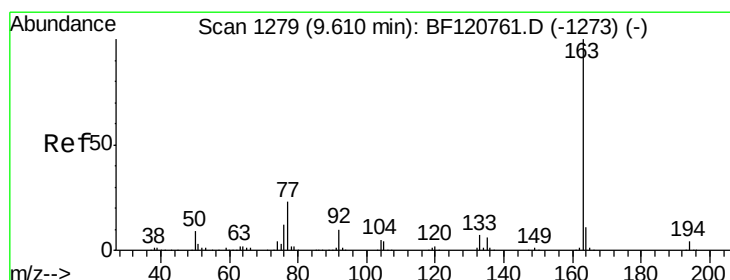
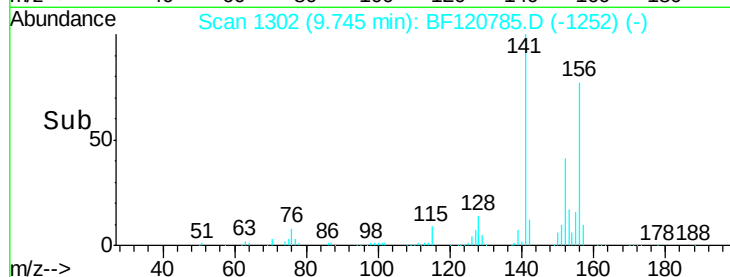
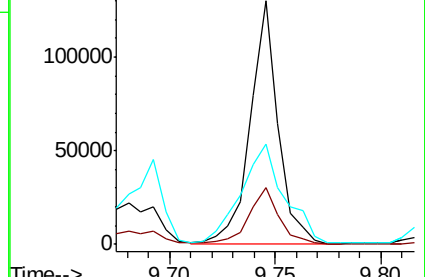
153 41.1 10.8 16.2#



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: 13.672 ng

RT: 9.60 min Scan# 1278

Delta R.T. -0.01 min

Lab File: BF120785.D

Acq: 7 Jul 2020 14:11

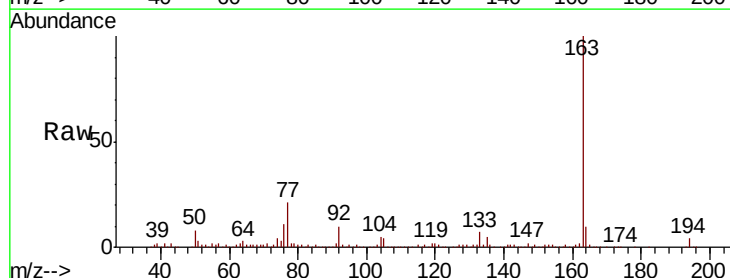
Tgt Ion:163 Resp: 305359

Ion Ratio Lower Upper

163 100

194 3.8 2.9 4.3

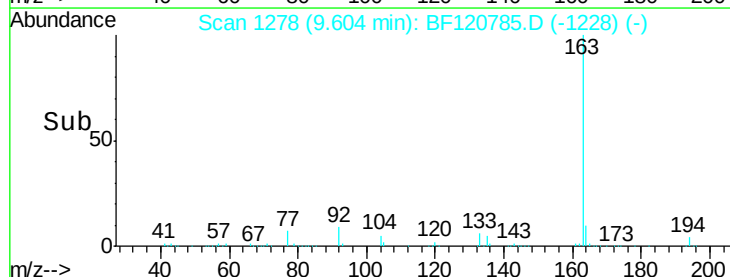
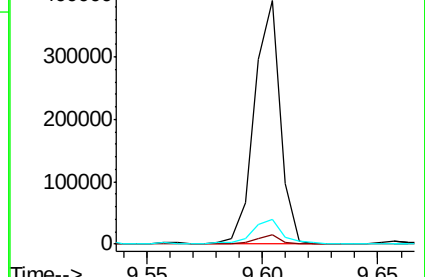
164 10.1 8.5 12.7

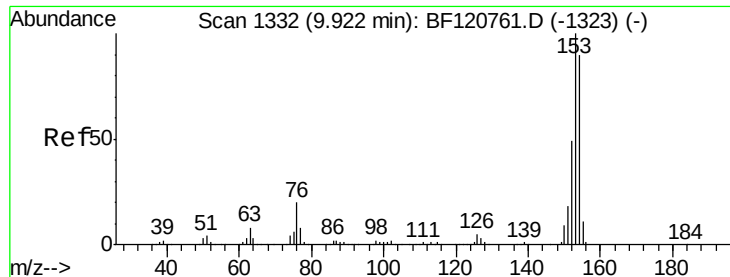


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E





#52

Acenaphthene

Concen: 55.524 ng

RT: 9.92 min Scan# 1332

Delta R.T. 0.00 min

Lab File: BF120785.D

Acq: 7 Jul 2020 14:11

Instrument :

BNA_F

ClientSampleId :

MW-12

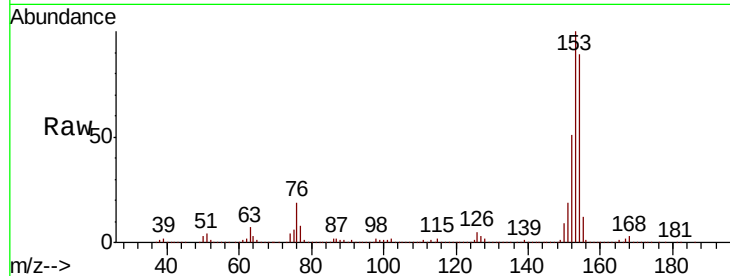
Tot Ion:154 Resp: 1068455

Ion Ratio Lower Upper

154 100

153 112.3 88.6 132.8

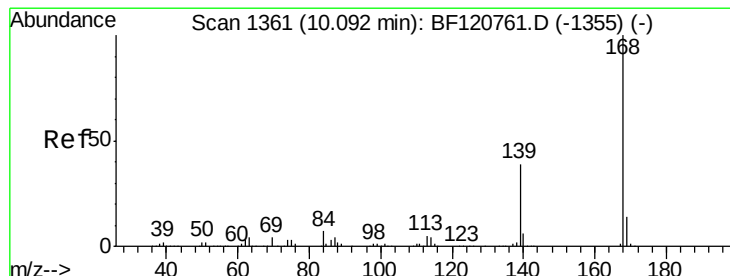
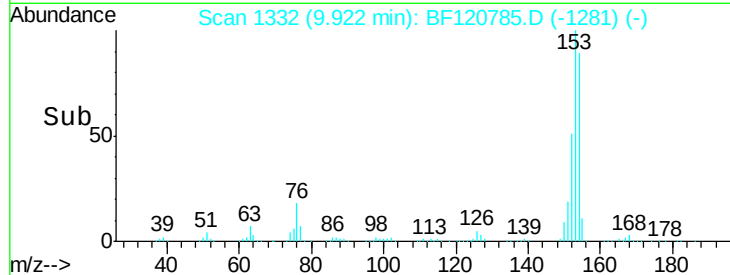
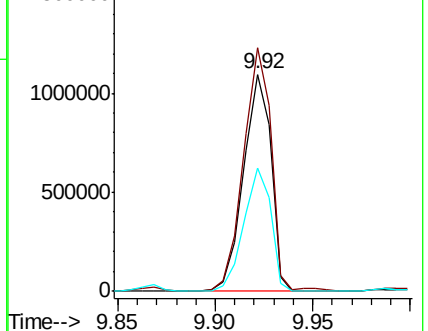
152 56.9 43.6 65.4



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E



#55

Dibenzofuran

Concen: 2.676 ng m

RT: 10.09 min Scan# 1360

Delta R.T. -0.01 min

Lab File: BF120785.D

Acq: 7 Jul 2020 14:11

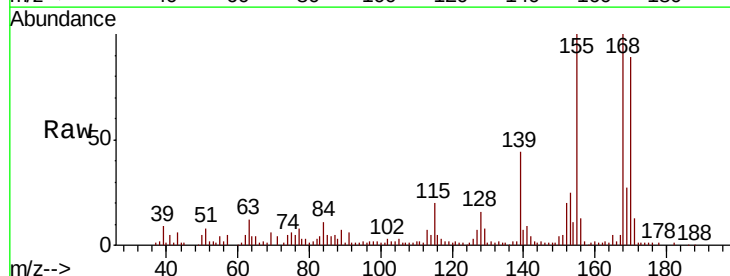
Tgt Ion:168 Resp: 74237

Ion Ratio Lower Upper

168 100

139 44.1 31.3 46.9

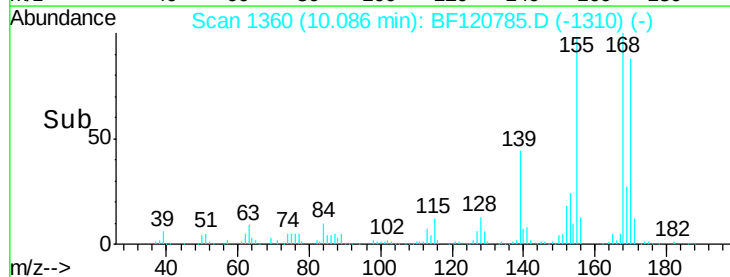
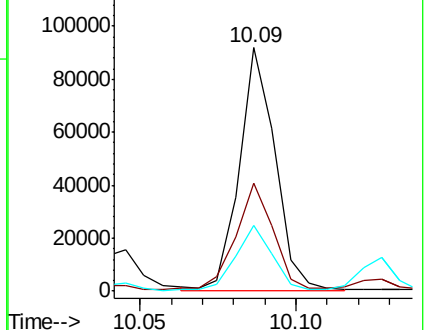
169 27.1 11.2 16.8#

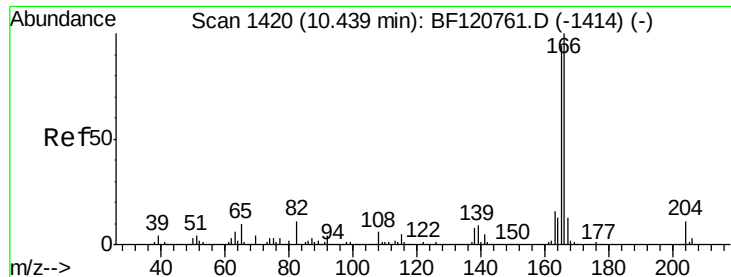


Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E





#58

Fluorene

Concen: 26.119 ng

RT: 10.43 min Scan# 1419

Delta R.T. -0.01 min

Lab File: BF120785.D

Acq: 7 Jul 2020 14:11

Instrument :

BNA_F

ClientSampleId :

MW-12

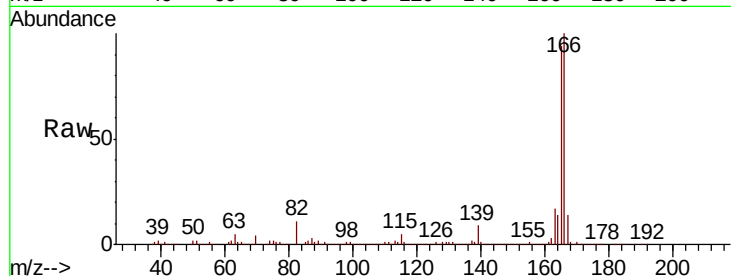
Tot Ion:166 Resp: 539270

Ion Ratio Lower Upper

166 100

165 94.3 75.5 113.3

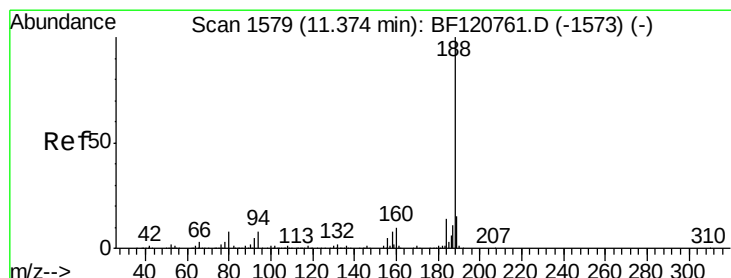
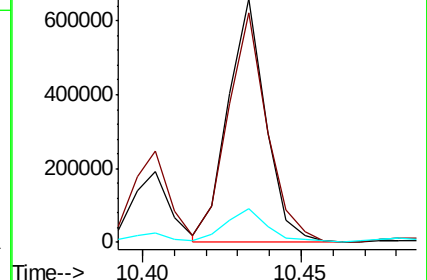
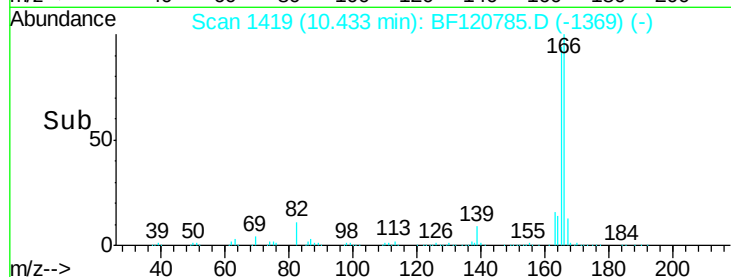
167 13.6 10.6 16.0



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: 11.37 min Scan# 1578

Delta R.T. -0.01 min

Lab File: BF120785.D

Acq: 7 Jul 2020 14:11

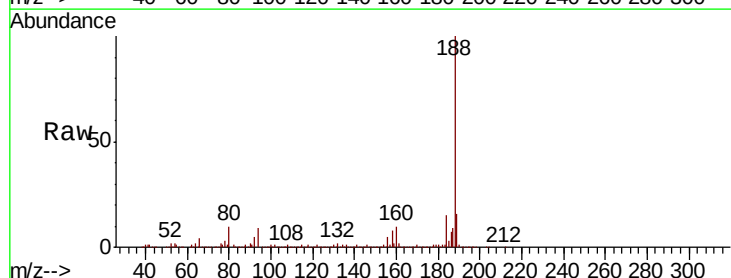
Tgt Ion:188 Resp: 567055

Ion Ratio Lower Upper

188 100

94 9.4 6.6 9.8

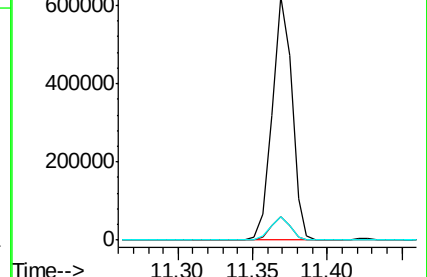
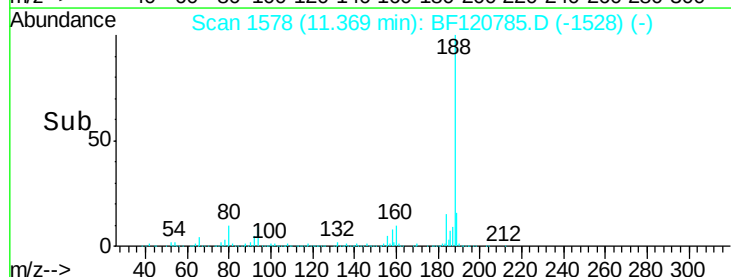
80 9.7 6.6 10.0

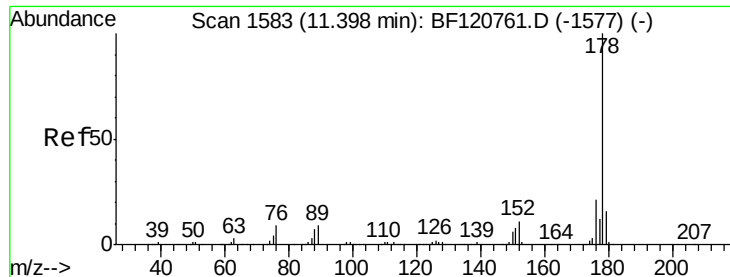


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1

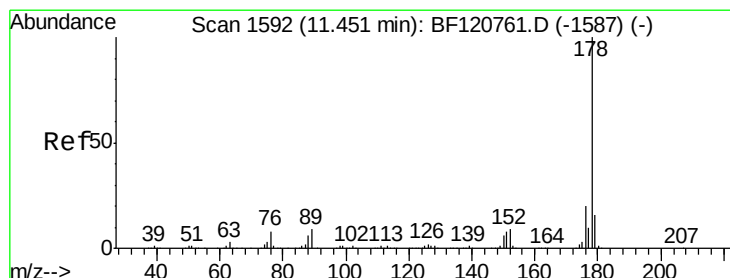
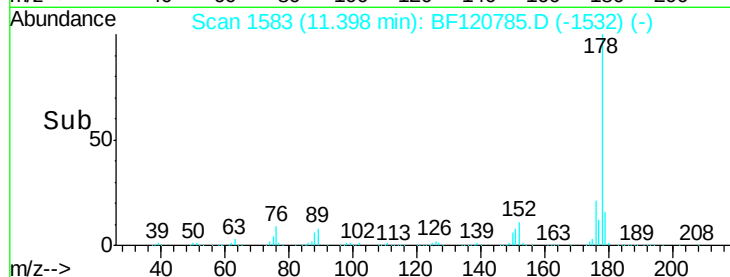
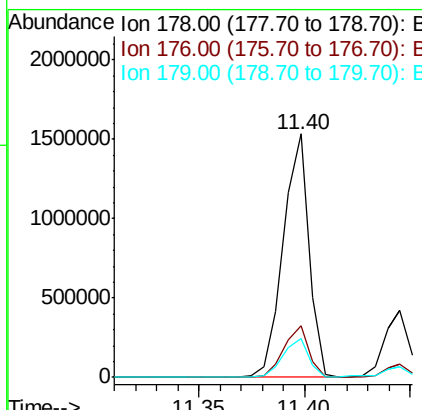
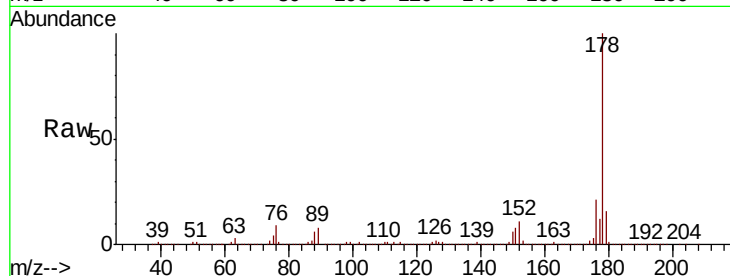




#71
Phenanthrene
Concen: 42.596 ng
RT: 11.40 min Scan# 1583
Delta R.T. 0.00 min
Lab File: BF120785.D
Acq: 7 Jul 2020 14:11

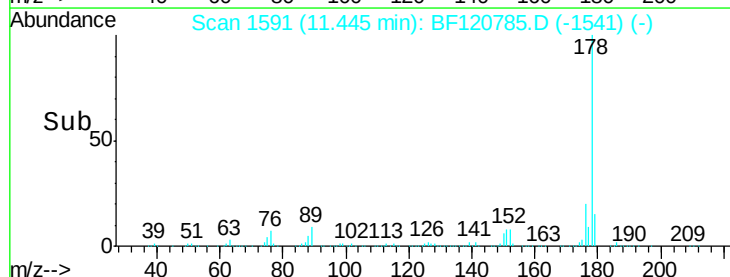
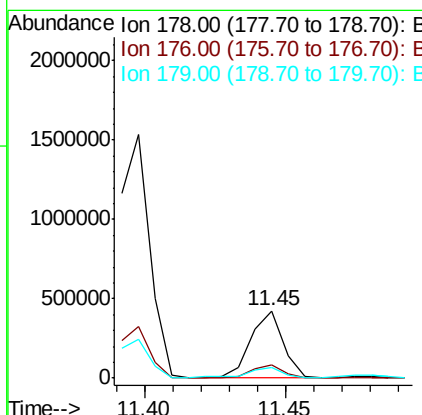
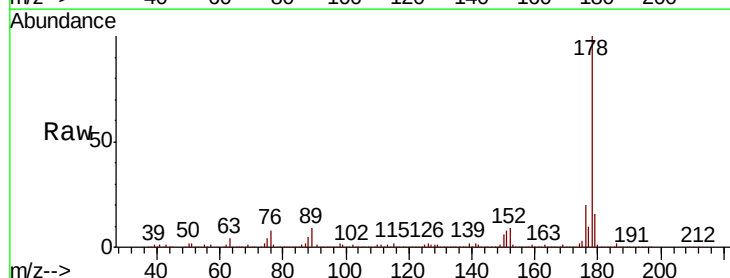
Instrument :
BNA_F
ClientSampleId :
MW-12

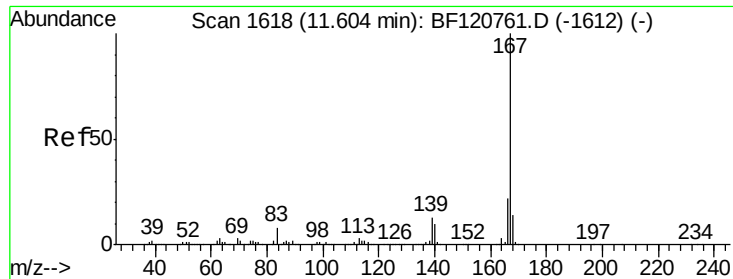
Tot Ion:178 Resp: 1310578
Ion Ratio Lower Upper
178 100
176 21.0 16.4 24.6
179 16.2 12.9 19.3



#72
Anthracene
Concen: 10.741 ng
RT: 11.45 min Scan# 1591
Delta R.T. -0.01 min
Lab File: BF120785.D
Acq: 7 Jul 2020 14:11

Tgt Ion:178 Resp: 333963
Ion Ratio Lower Upper
178 100
176 19.9 16.2 24.2
179 15.8 12.7 19.1

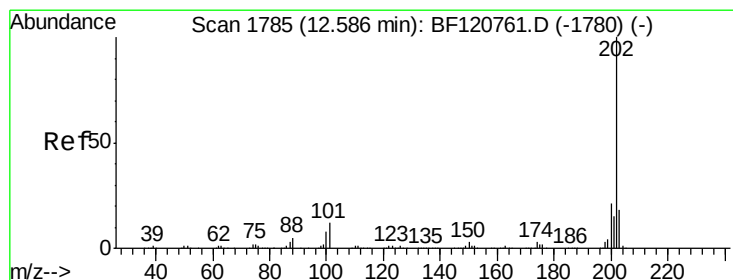
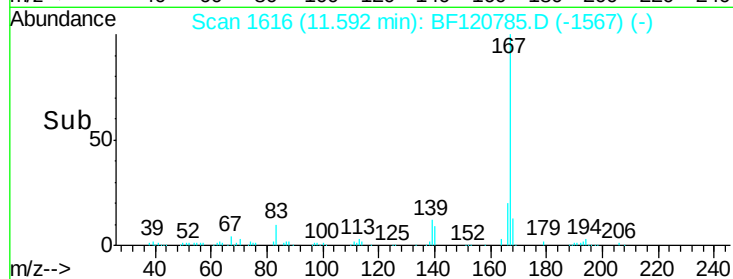
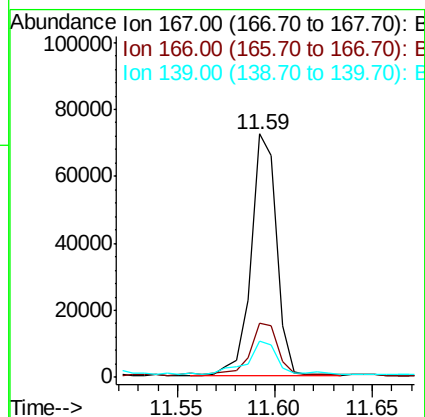
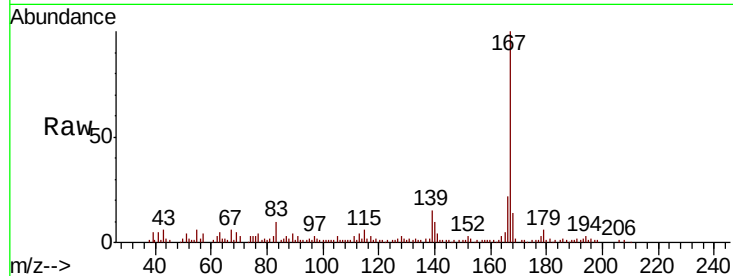




#73
 Carbazole
 Concen: 2.184 ng
 RT: 11.59 min Scan# 1616
 Delta R.T. -0.01 min
 Lab File: BF120785.D
 Acq: 7 Jul 2020 14:11

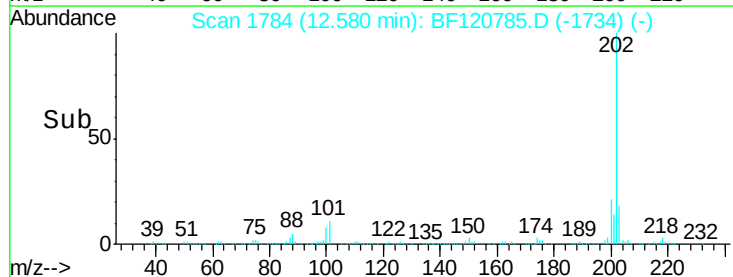
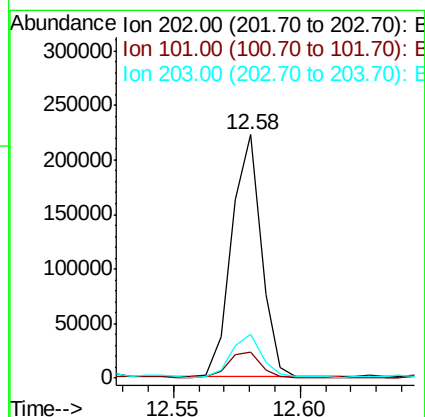
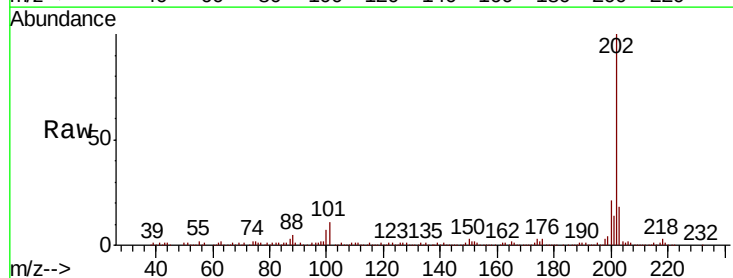
Instrument :
 BNA_F
 ClientSampleId :
 MW-12

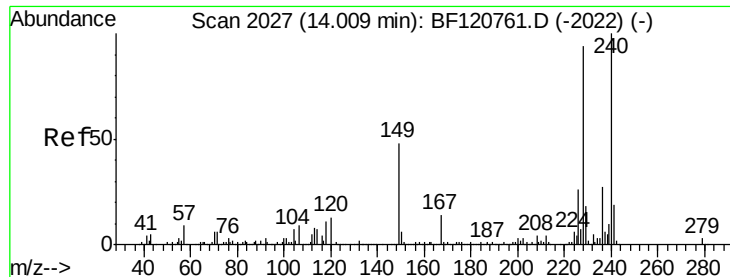
Tot Ion:167 Resp: 65264
 Ion Ratio Lower Upper
 167 100
 166 22.2 17.8 26.8
 139 14.9 10.7 16.1



#75
 Fluoranthene
 Concen: 5.493 ng
 RT: 12.58 min Scan# 1784
 Delta R.T. -0.01 min
 Lab File: BF120785.D
 Acq: 7 Jul 2020 14:11

Tgt Ion:202 Resp: 180054
 Ion Ratio Lower Upper
 202 100
 101 10.9 0.0 31.6
 203 17.9 0.0 38.2

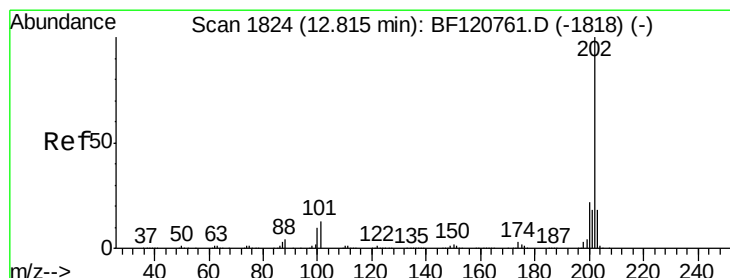
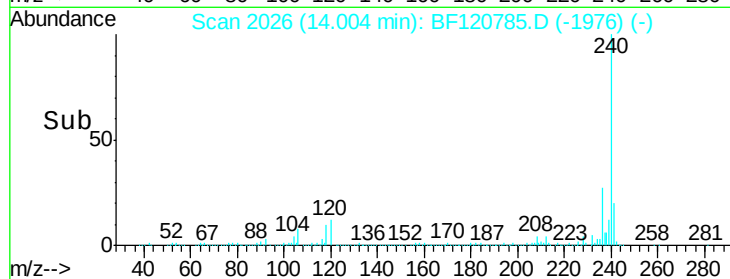
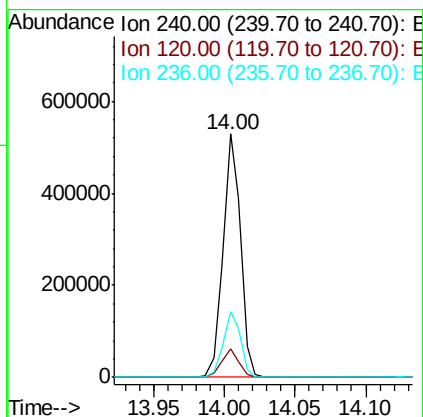
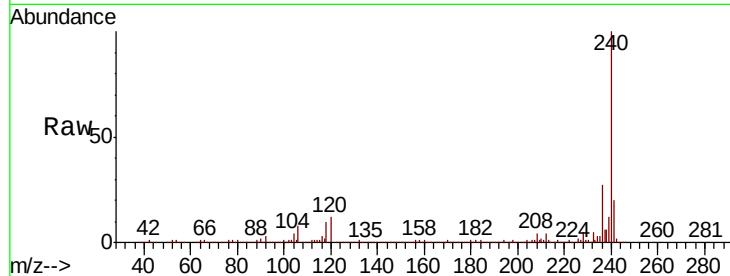




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.00 min Scan# 2026
Delta R.T. -0.01 min
Lab File: BF120785.D
Acq: 7 Jul 2020 14:11

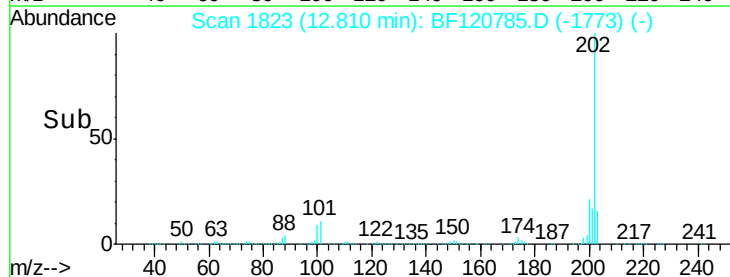
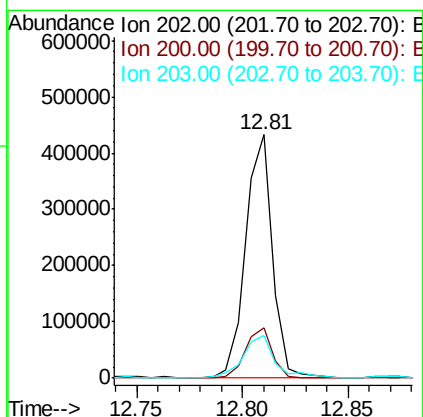
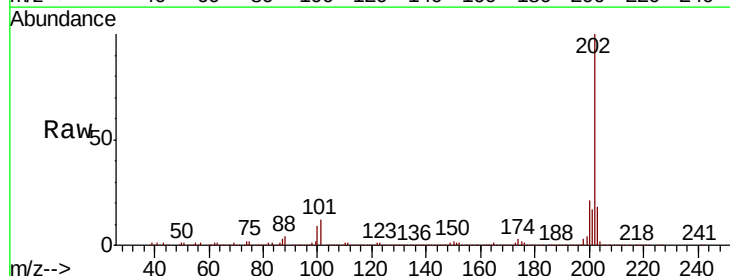
Instrument :
BNA_F
ClientSampleId :
MW-12

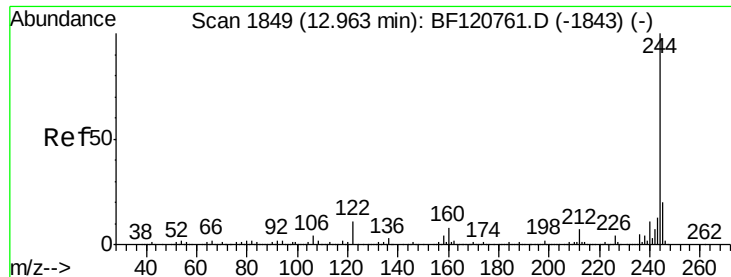
Tot Ion:240 Resp: 453338
Ion Ratio Lower Upper
240 100
120 11.8 10.3 15.5
236 26.8 21.4 32.2



#78
Pyrene
Concen: 10.445 ng
RT: 12.81 min Scan# 1823
Delta R.T. -0.01 min
Lab File: BF120785.D
Acq: 7 Jul 2020 14:11

Tgt Ion:202 Resp: 378176
Ion Ratio Lower Upper
202 100
200 20.7 17.3 25.9
203 17.7 14.6 22.0





#79

Terphenyl-d14

Concen: 79.868 ng

RT: 12.96 min Scan# 1849

Delta R.T. 0.00 min

Lab File: BF120785.D

Acq: 7 Jul 2020 14:11

Instrument :

BNA_F

ClientSampleId :

MW-12

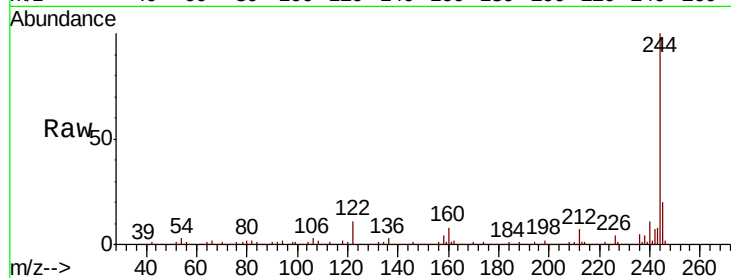
Tot Ion:244 Resp: 1849295

Ion	Ratio	Lower	Upper
244	100		
212	7.2	5.6	8.4
122	10.7	9.0	13.4

244 100

212 7.2 5.6 8.4

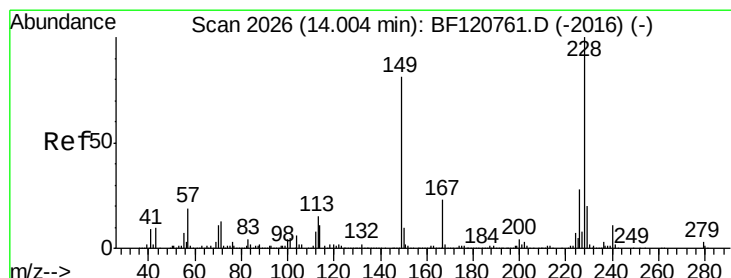
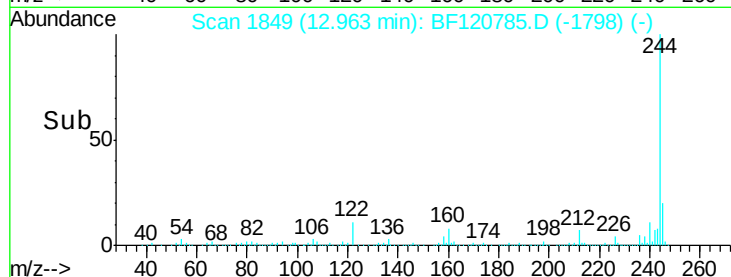
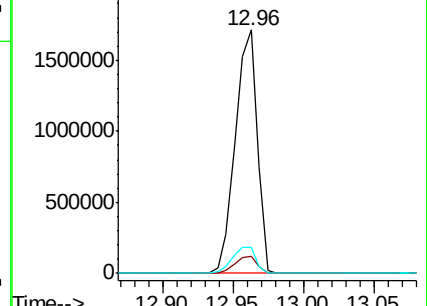
122 10.7 9.0 13.4



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: 2.486 ng m

RT: 13.99 min Scan# 2024

Delta R.T. -0.01 min

Lab File: BF120785.D

Acq: 7 Jul 2020 14:11

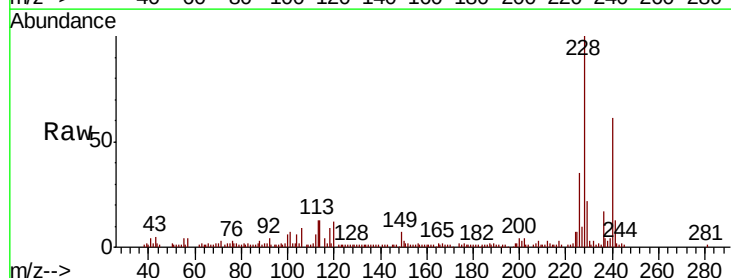
Tgt Ion:228 Resp: 72256

Ion	Ratio	Lower	Upper
228	100		
226	34.5	22.6	33.8#
229	21.6	15.8	23.6

228 100

226 34.5 22.6 33.8#

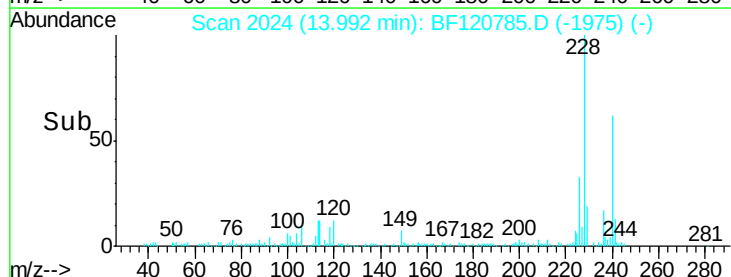
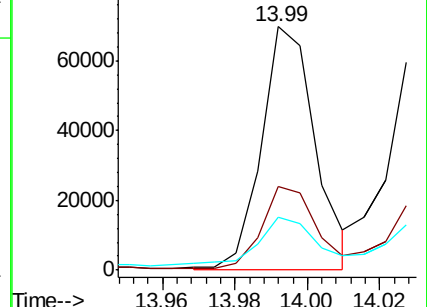
229 21.6 15.8 23.6

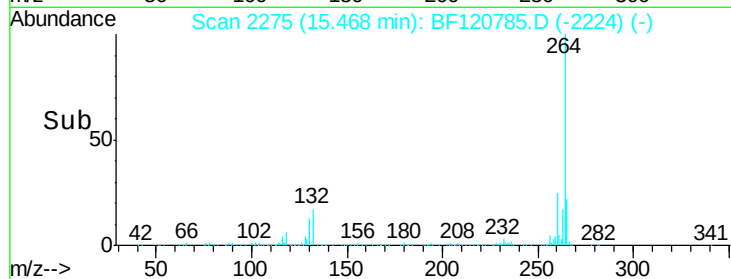
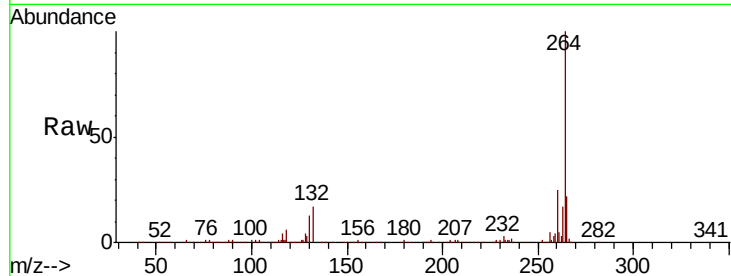
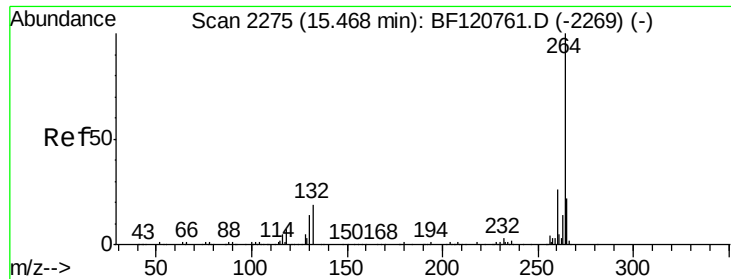


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.47 min Scan# 2275
Delta R.T. 0.00 min
Lab File: BF120785.D
Acq: 7 Jul 2020 14:11

Instrument :
BNA_F
ClientSampleId :
MW-12

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.6	20.6	30.8
265	21.6	17.6	26.4

