

Data Path : Z:\svoasrv\HPCHEM1\BNA F\Data\BF042020\
 Data File : BF120079.D
 Acq On : 20 Apr 2020 15:56
 Operator : MA/SJ
 Sample : L2314-13
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 WB-7-2

Quant Time: Apr 20 16:50:00 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	6.72	152	167134	20.00	ng	0.00
21) Naphthalene-d8	8.00	136	641924	20.00	ng	0.00
39) Acenaphthene-d10	9.76	164	316472	20.00	ng	0.00
64) Phenanthrene-d10	11.24	188	582839	20.00	ng	-0.01
76) Chrysene-d12	13.89	240	393267	20.00	ng	-0.01
87) Perylene-d12	15.31	264	366774	20.00	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.32	112	974433	100.76	ng	0.00
7) Phenol-d6	6.36	99	1390315	111.57	ng	0.00
23) Nitrobenzene-d5	7.28	82	925894	74.62	ng	-0.01
42) 2,4,6-Tribromophenol	10.55	330	372557	96.15	ng	0.00
45) 2-Fluorobiphenyl	9.08	172	1802547	80.87	ng	0.00
79) Terphenyl-d14	12.84	244	1814813	77.65	ng	0.00

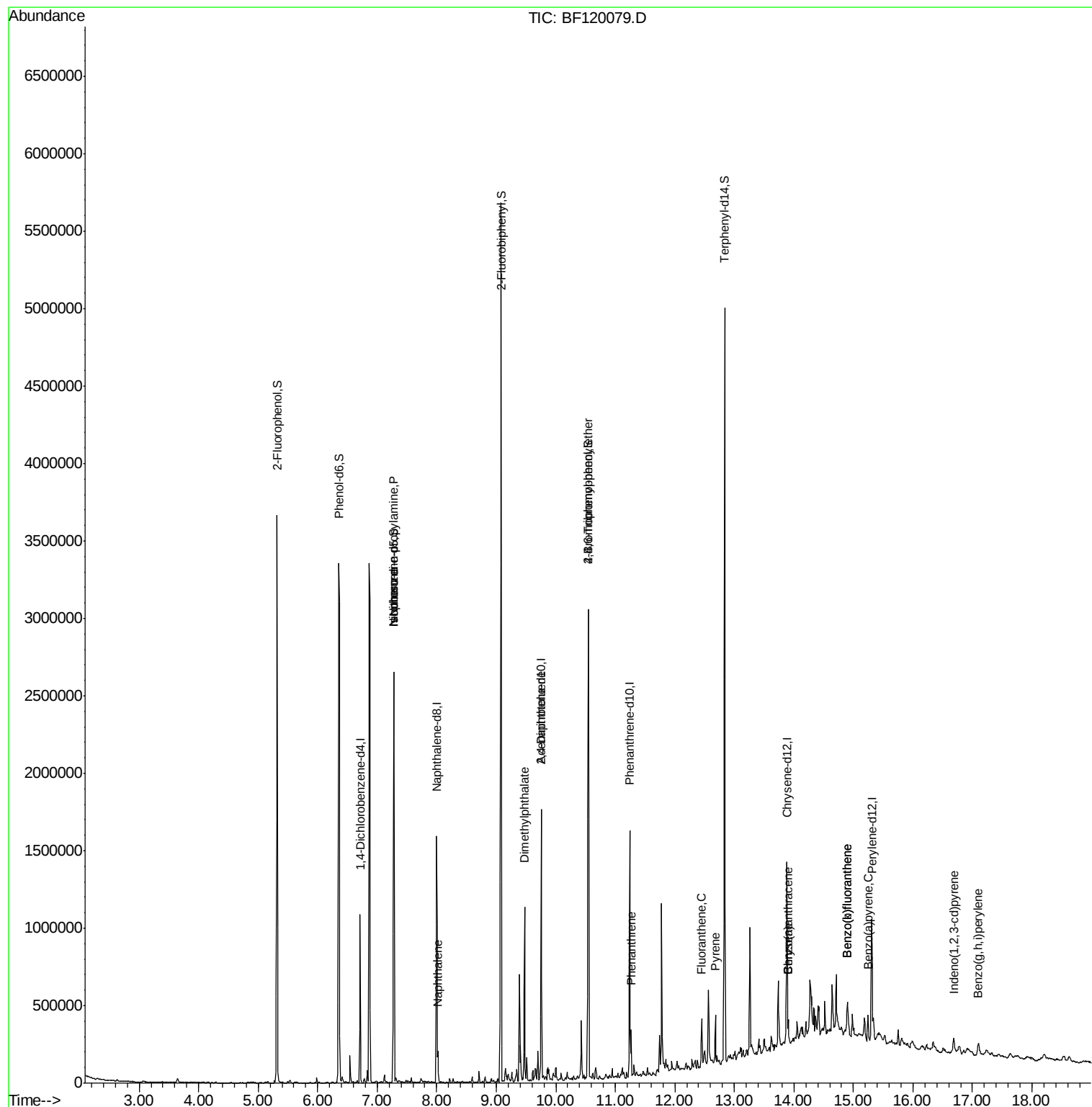
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.26	77	949	Below Cal		# 34
19) n-Nitroso-di-n-propylamine	7.28	70	122527	15.290	ng	# 76
25) Isophorone	7.28	82	916951	38.335	ng	# 65
31) Naphthalene	8.02	128	82753	2.450	ng	# 99
50) Dimethylphthalate	9.47	163	381651	15.591	ng	# 99
57) 2,4-Dinitrotoluene	9.76	165	42922	6.078	ng	# 23
67) 4-Bromophenyl-phenylether	10.55	248	24046	3.318	ng	# 1
71) Phenanthrene	11.26	178	94216	3.037	ng	# 99
75) Fluoranthene	12.45	202	117609	3.514	ng	# 97
78) Pyrene	12.68	202	125603	3.789	ng	# 99
81) Benzo(a)anthracene	13.91	228	69008	2.667	ng	# 95
83) Chrysene	13.91	228	69008	2.625	ng	# 97
86) Indeno(1,2,3-cd)pyrene	16.69	276	60060	2.592	ng	# 97
88) Benzo(b)fluoranthene	14.90	252	122108	4.628	ng	# 96
89) Benzo(k)fluoranthene	14.90	252	122108	5.364	ng	# 96
90) Benzo(a)pyrene	15.24	252	73673	3.321	ng	# 96
92) Benzo(a,h,i)perylene	17.10	276	63662	3.282	ng	# 90

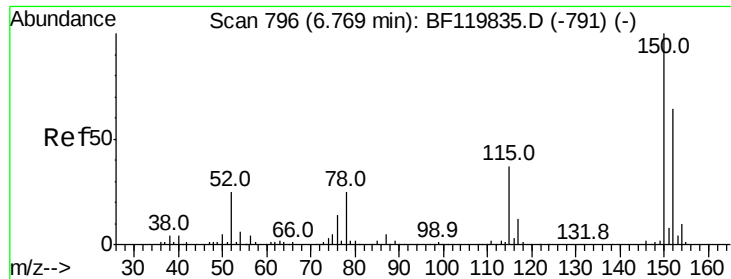
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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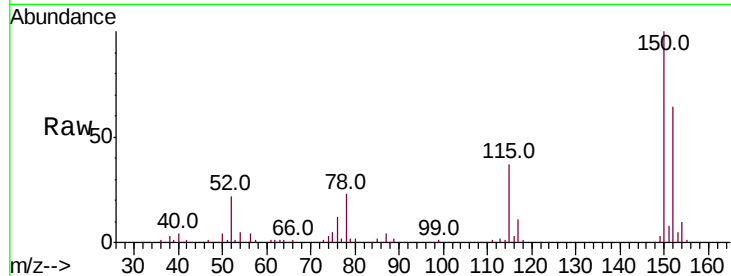


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.72 min Scan# 787
Delta R.T. 0.00 min
Lab File: BF120079.D
Acq: 20 Apr 2020 15:56

Instrument :
BNA_F
ClientSampleId :
WB-7-2

Tot Ion	Ratio	Lower	Upper
152	100		
150	156.4	124.8	187.2
115	57.5	46.5	69.7

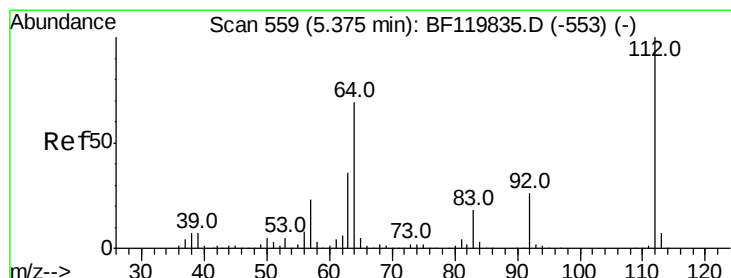
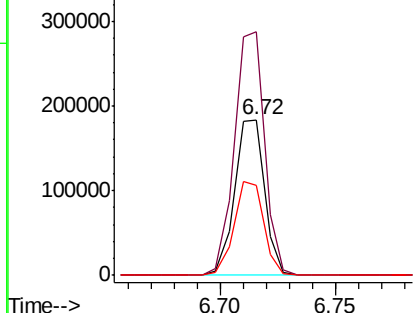
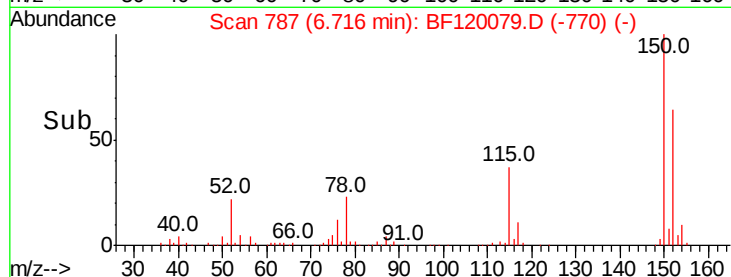


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

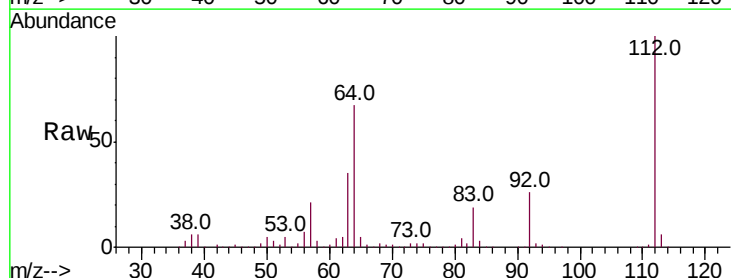
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 100.757 ng
RT: 5.32 min Scan# 550
Delta R.T. 0.01 min
Lab File: BF120079.D
Acq: 20 Apr 2020 15:56

Tgt Ion	Ratio	Lower	Upper
112	100		
64	66.8	55.5	83.3
63	35.2	29.1	43.7

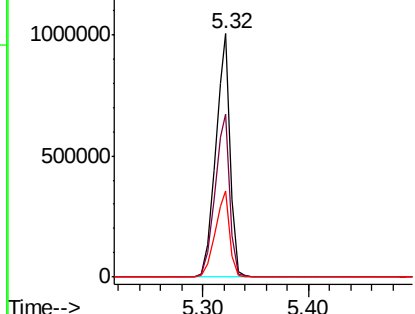
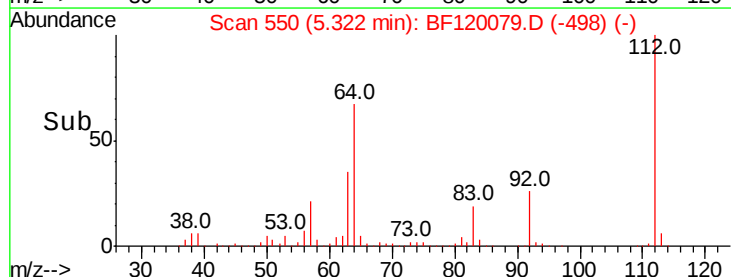


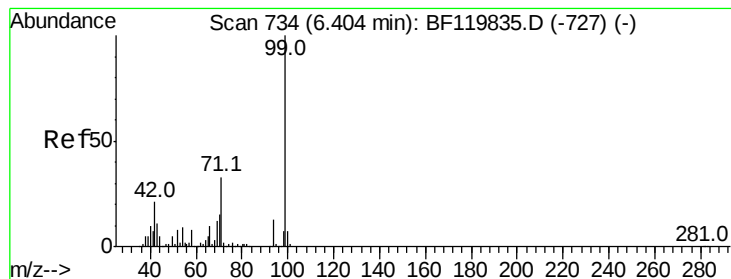
Abundance

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: 111.567 ng

RT: 6.36 min Scan# 726

Delta R.T. -0.01 min

Lab File: BF120079.D

Acq: 20 Apr 2020 15:56

Instrument :

BNA_F

ClientSampleId :

WB-7-2

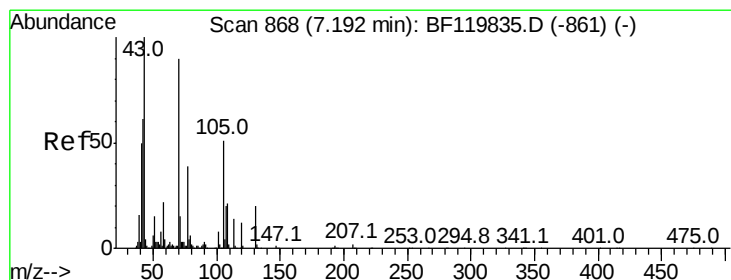
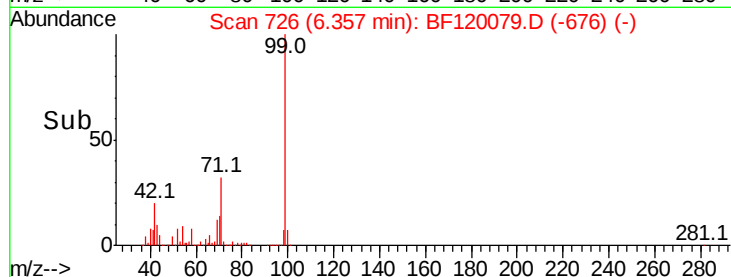
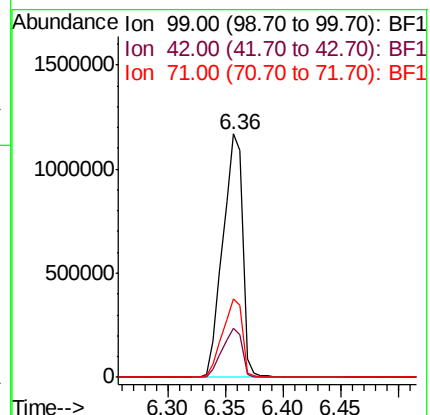
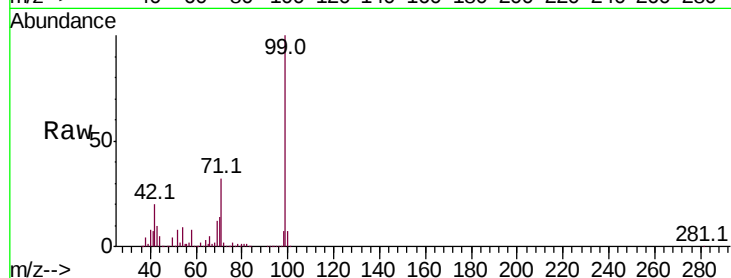
Tot Ion: 99 Resp: 1390315

Ion Ratio Lower Upper

99 100

42 20.4 16.9 25.3

71 32.1 26.3 39.5



#19

n-Nitroso-di-n-propylamine

Concen: 15.290 ng

RT: 7.28 min Scan# 883

Delta R.T. 0.14 min

Lab File: BF120079.D

Acq: 20 Apr 2020 15:56

Tgt Ion: 70 Resp: 122527

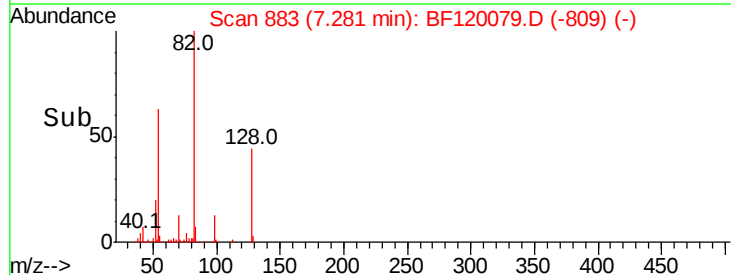
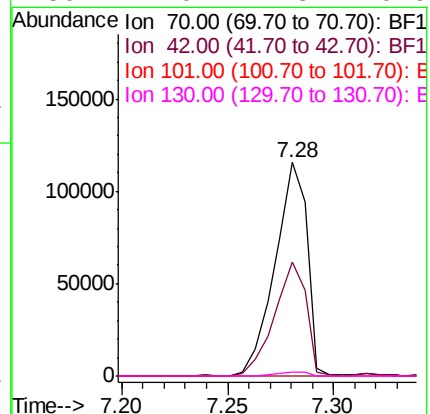
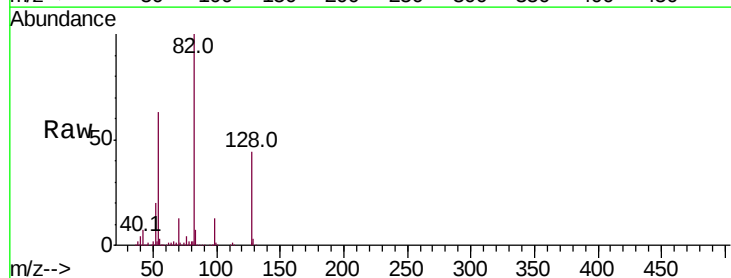
Ion Ratio Lower Upper

70 100

42 53.6 54.2 81.4#

101 0.0 7.4 11.2#

130 2.0 17.8 26.6#

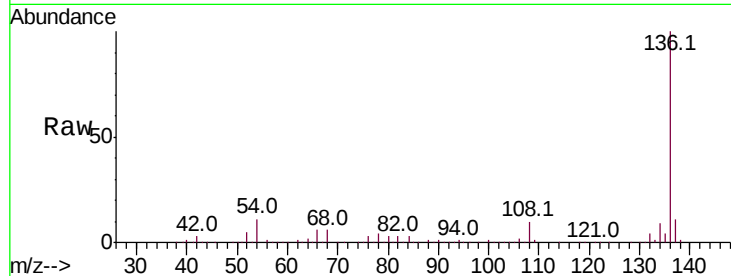




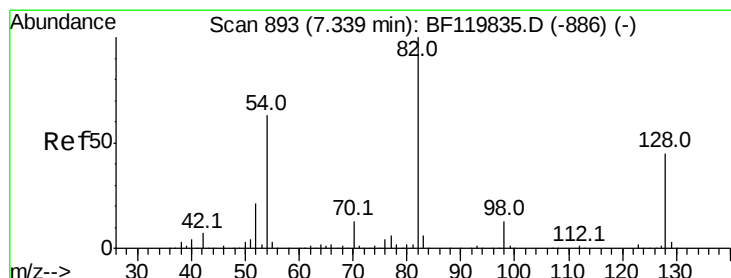
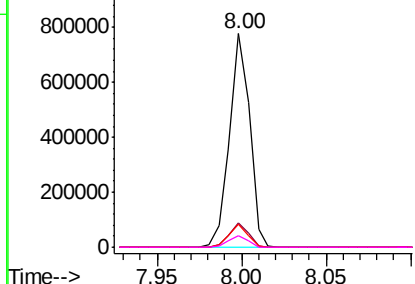
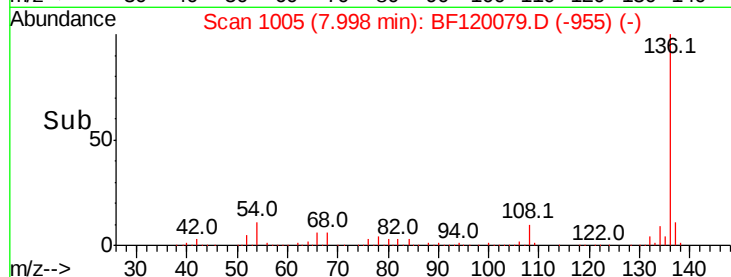
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.00 min Scan# 1005
Delta R.T. -0.01 min
Lab File: BF120079.D
Acq: 20 Apr 2020 15:56

Instrument :
BNA_F
ClientSampleId :
WB-7-2

Tot Ion:	136	Resp:	641924
Ion	Ratio	Lower	Upper
136	100		
137	11.4	8.7	13.1
54	10.9	8.5	12.7
68	5.7	3.9	5.9

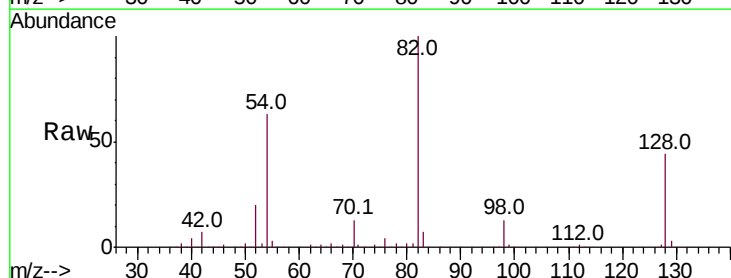


Abundance Ion 136.00 (135.70 to 136.70): E
1200000
Ion 137.00 (136.70 to 137.70): E
1000000
Ion 54.00 (53.70 to 54.70): BF1
800000
Ion 68.00 (67.70 to 68.70): BF1
600000
400000
200000
0

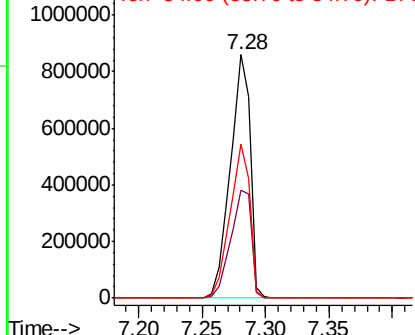
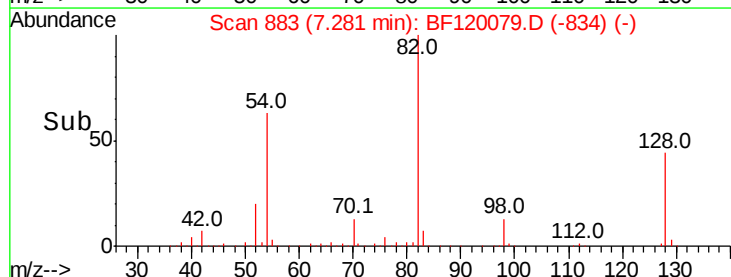


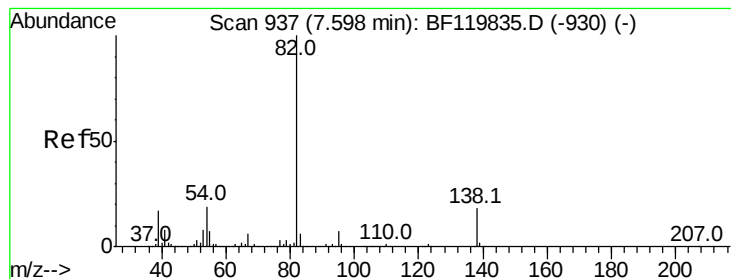
#23
Nitrobenzene-d5
Concen: 74.619 ng
RT: 7.28 min Scan# 883
Delta R.T. -0.01 min
Lab File: BF120079.D
Acq: 20 Apr 2020 15:56

Tgt Ion:	82	Resp:	925894
Ion	Ratio	Lower	Upper
82	100		
128	44.3	36.2	54.4
54	63.2	50.4	75.6



Abundance Ion 82.00 (81.70 to 82.70): BF1
1200000
Ion 128.00 (127.70 to 128.70): E
1000000
Ion 54.00 (53.70 to 54.70): BF1
800000
600000
400000
200000
0





#25

Isophorone

Concen: 38.335 ng

RT: 7.28 min Scan# 883

Delta R.T. -0.27 min

Lab File: BF120079.D

Acq: 20 Apr 2020 15:56

Instrument :

BNA_F

ClientSampleId :

WB-7-2

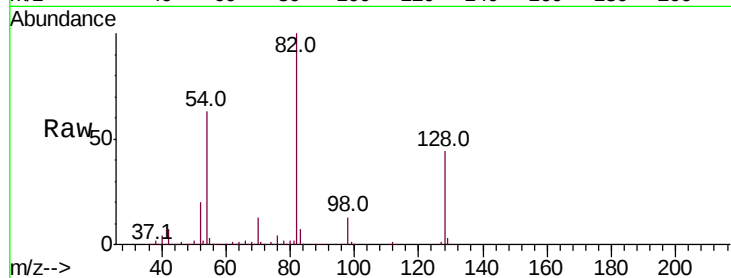
Tot Ion: 82 Resp: 916951

Ion Ratio Lower Upper

82 100

95 0.0 5.8 8.6#

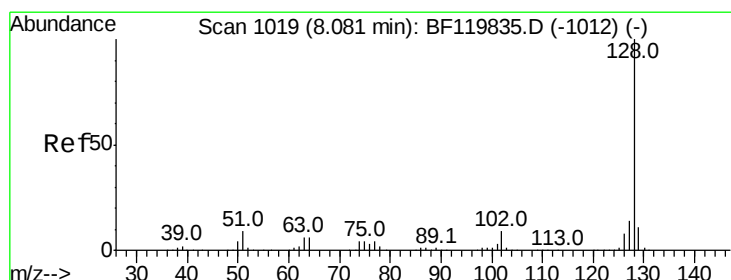
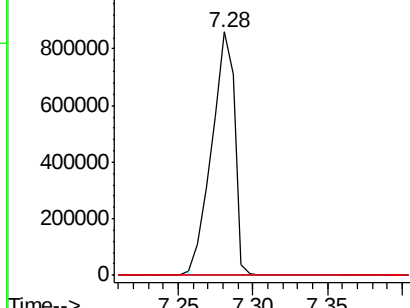
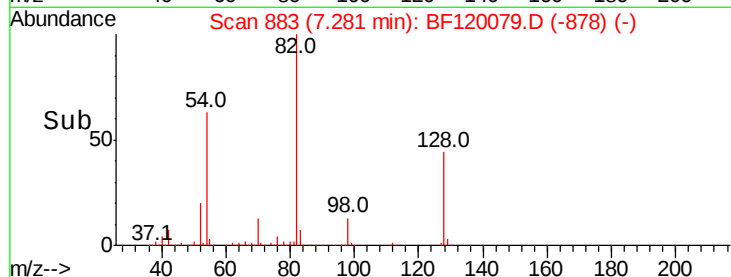
138 0.0 14.5 21.7#



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: 2.450 ng

RT: 8.02 min Scan# 1009

Delta R.T. -0.01 min

Lab File: BF120079.D

Acq: 20 Apr 2020 15:56

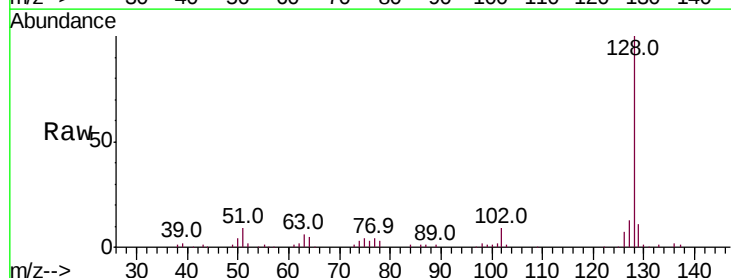
Tgt Ion:128 Resp: 82753

Ion Ratio Lower Upper

128 100

129 11.2 9.0 13.6

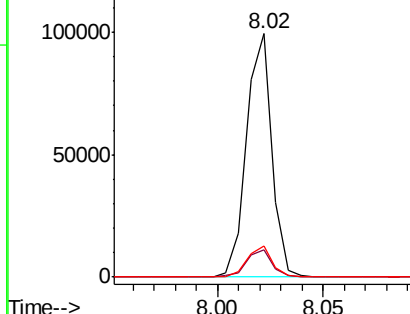
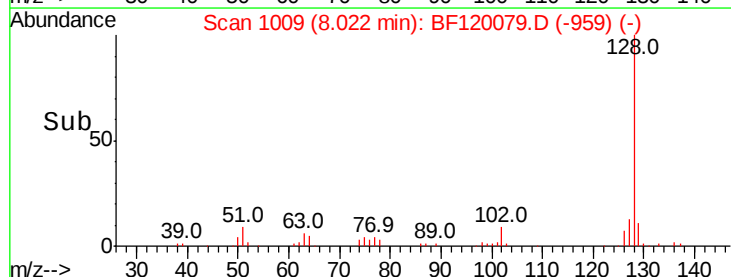
127 12.8 11.0 16.4

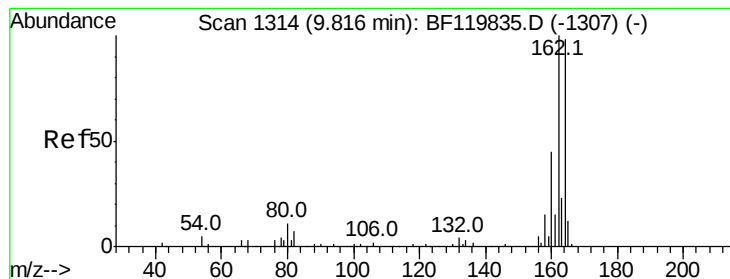


Abundance Ion 128.00 (127.70 to 128.70): E

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: BF120079.D

Acq: 20 Apr 2020 15:56

Instrument :

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ClientSampleId :

WB-7-2

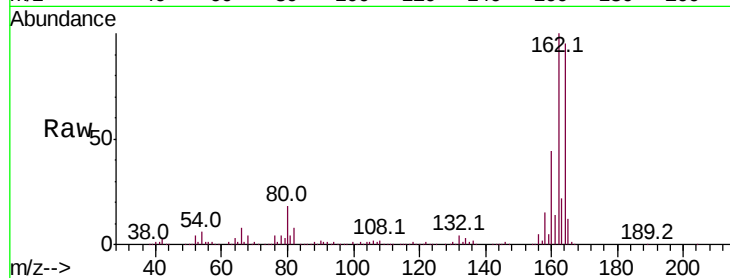
Tot Ion:164 Resp: 316472

Ion Ratio Lower Upper

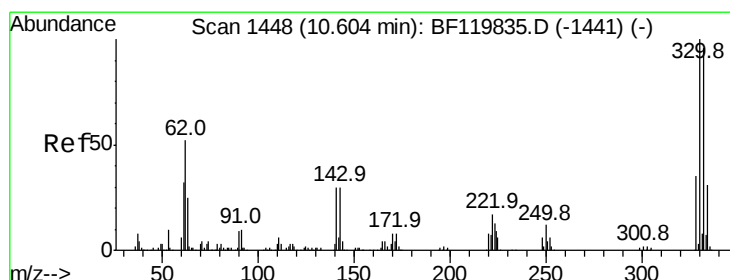
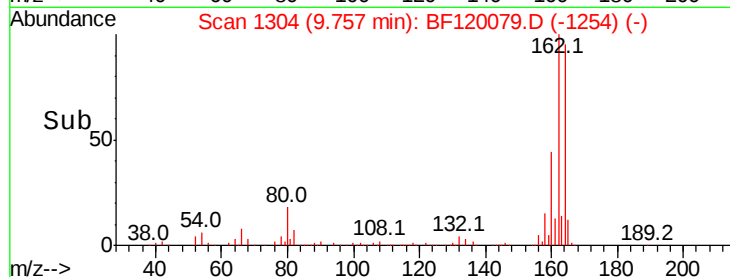
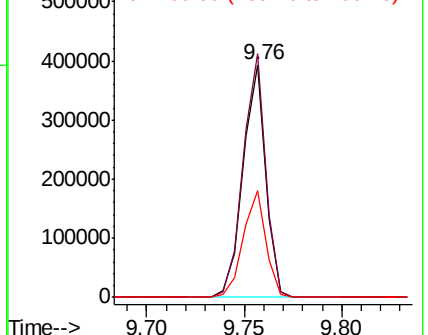
164 100

162 104.9 81.9 122.9

160 45.8 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: 96.151 ng

RT: 10.55 min Scan# 1439

Delta R.T. -0.01 min

Lab File: BF120079.D

Acq: 20 Apr 2020 15:56

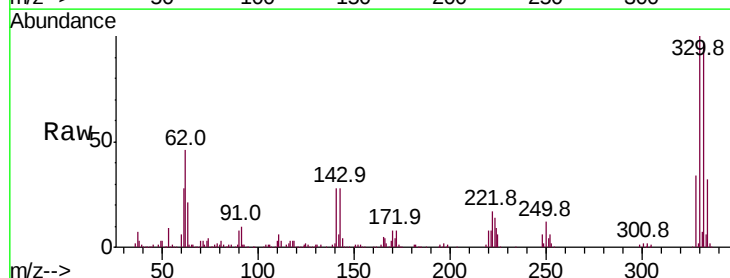
Tgt Ion:330 Resp: 372557

Ion Ratio Lower Upper

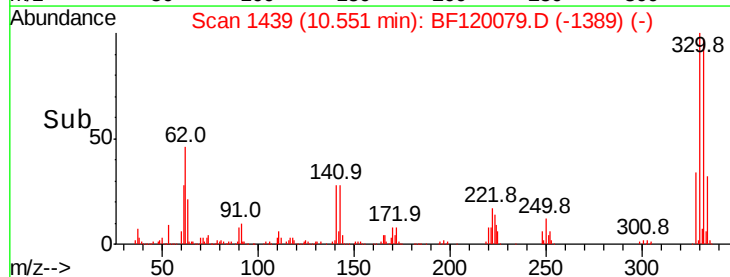
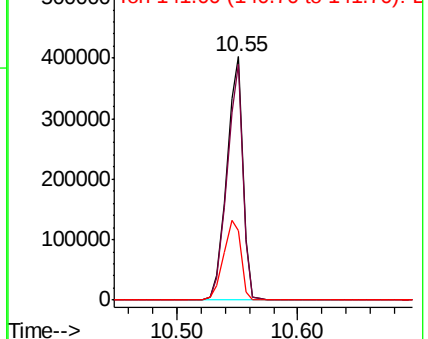
330 100

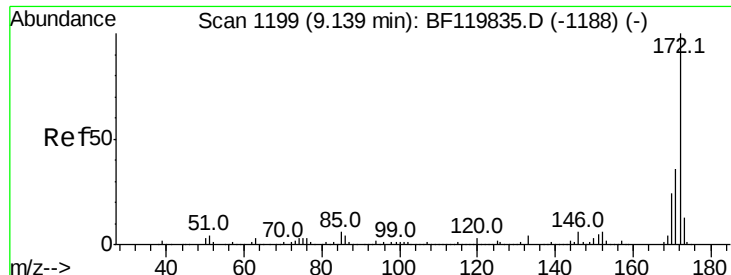
332 95.4 76.8 115.2

141 35.3 25.1 37.7



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

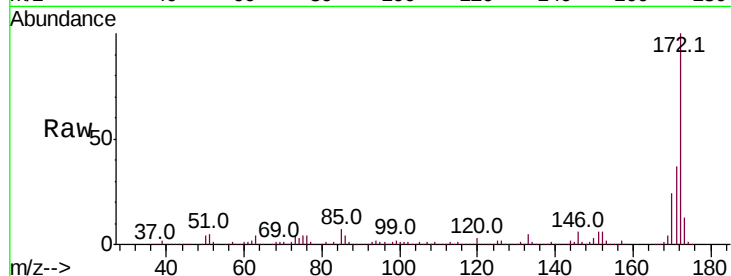




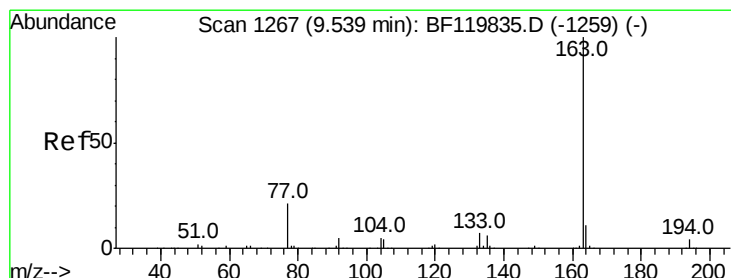
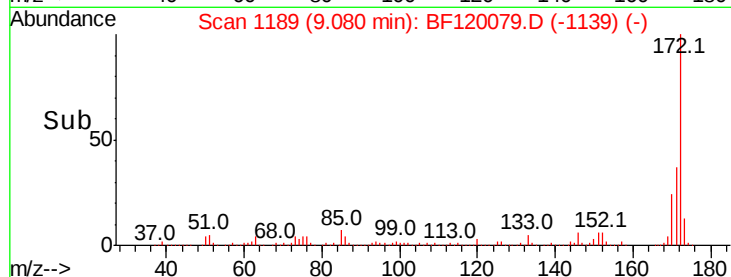
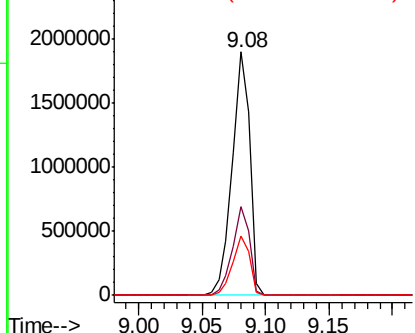
#45
2-Fluorobiphenyl
Concen: 80.867 ng
RT: 9.08 min Scan# 1189
Delta R.T. -0.01 min
Lab File: BF120079.D
Acq: 20 Apr 2020 15:56

Instrument :
BNA_F
ClientSampleId :
WB-7-2

Tot Ion:172 Resp: 1802547
Ion Ratio Lower Upper
172 100
171 36.6 28.9 43.3
170 24.3 19.4 29.2

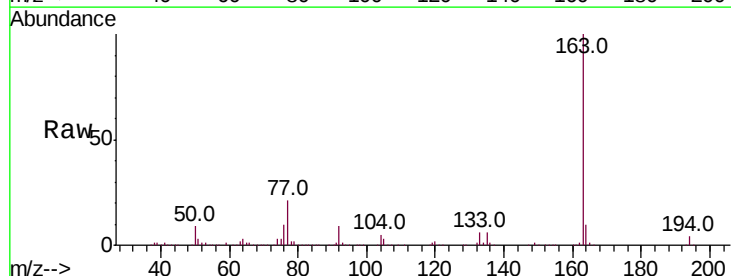


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

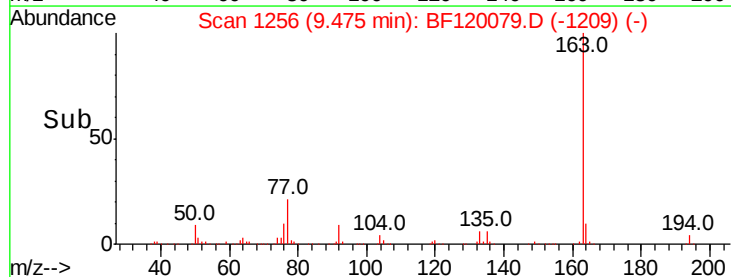
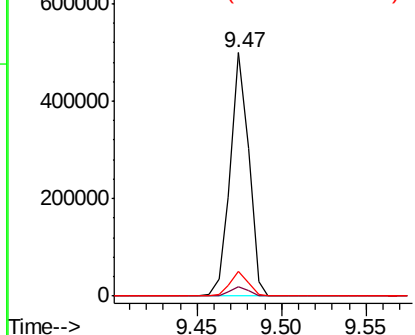


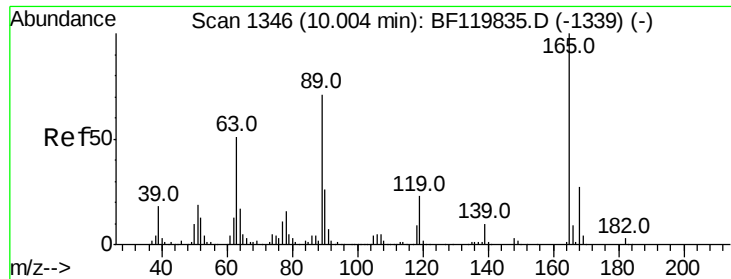
#50
Dimethylphthalate
Concen: 15.591 ng
RT: 9.47 min Scan# 1256
Delta R.T. -0.02 min
Lab File: BF120079.D
Acq: 20 Apr 2020 15:56

Tgt Ion:163 Resp: 381651
Ion Ratio Lower Upper
163 100
194 3.7 3.0 4.4
164 10.0 8.4 12.6



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: 6.078 ng

RT: 9.76 min Scan# 1304

Delta R.T. -0.21 min

Lab File: BF120079.D

Acq: 20 Apr 2020 15:56

Instrument :

BNA_F

ClientSampleId :

WB-7-2

Tot Ion:165 Resp: 42922

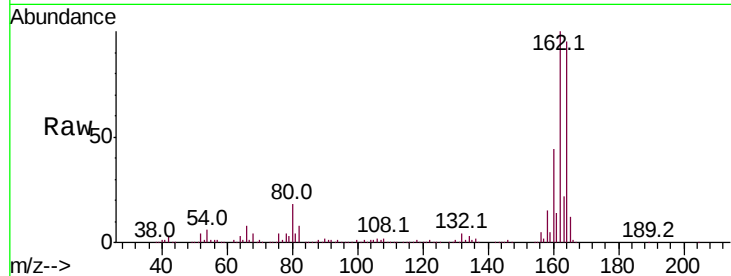
Ion Ratio Lower Upper

165 100

63 1.3 40.8 61.2#

89 1.5 56.9 85.3#

182 0.0 2.0 3.0#

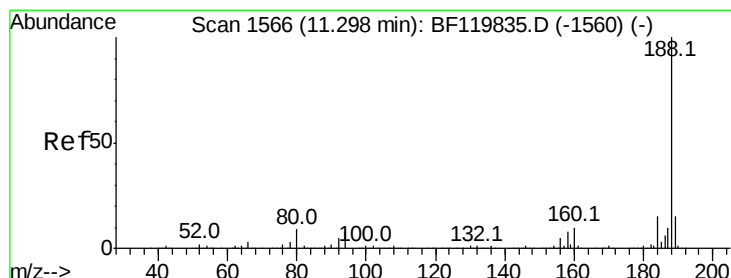
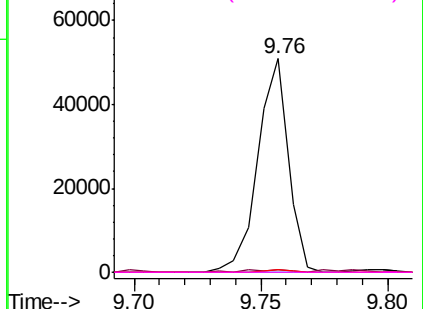
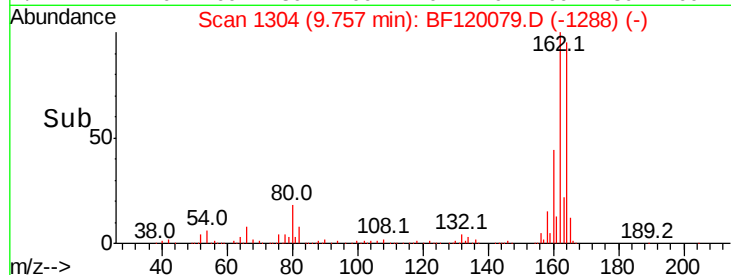


Abundance Ion 165.00 (164.70 to 165.70): E

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: 11.24 min Scan# 1556

Delta R.T. -0.01 min

Lab File: BF120079.D

Acq: 20 Apr 2020 15:56

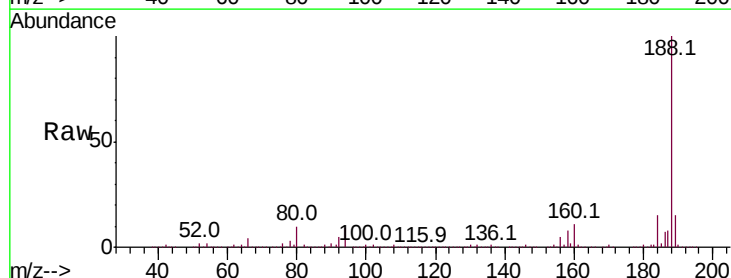
Tgt Ion:188 Resp: 582839

Ion Ratio Lower Upper

188 100

94 9.2 6.7 10.1

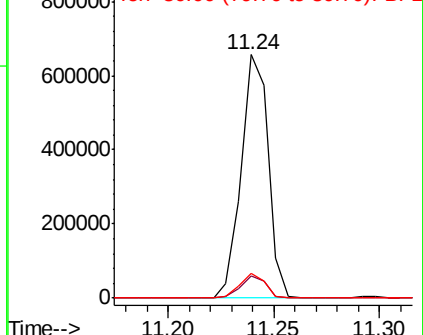
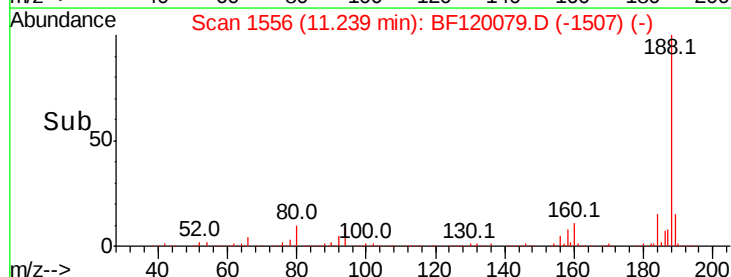
80 10.2 7.4 11.2

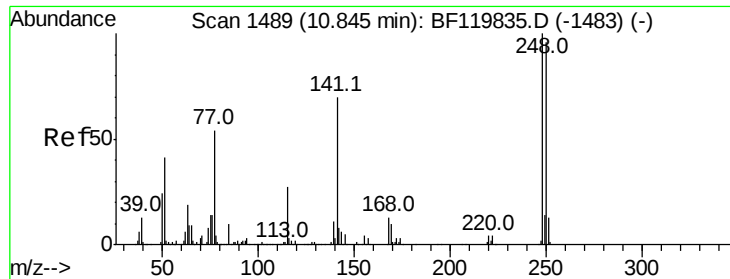


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1

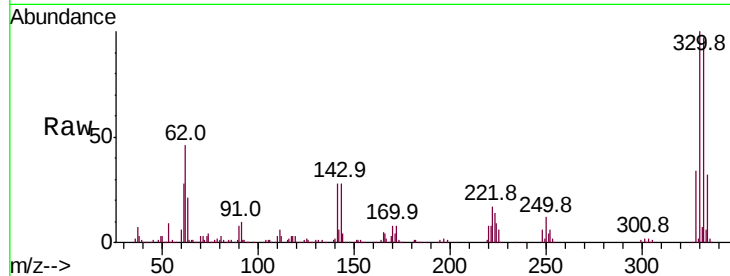




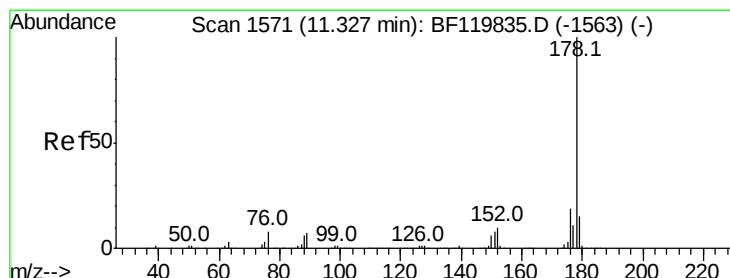
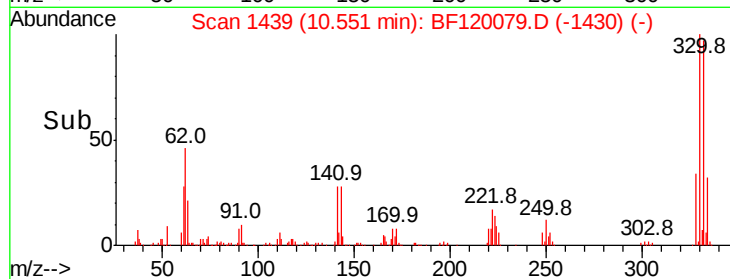
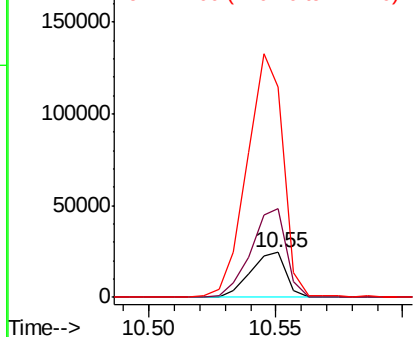
#67
 4-Bromophenyl-phenylether
 Concen: 3.318 ng
 RT: 10.55 min Scan# 1439
 Delta R.T. -0.25 min
 Lab File: BF120079.D
 Acq: 20 Apr 2020 15:56

Instrument :
 BNA_F
 ClientSampleId :
 WB-7-2

Tot Ion:248 Resp: 24046
 Ion Ratio Lower Upper
 248 100
 250 198.4 76.6 114.8#
 141 467.1 55.9 83.9#

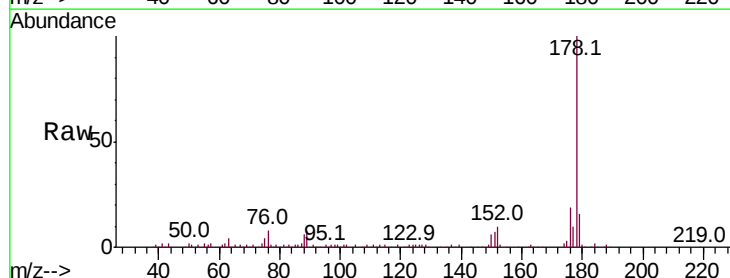


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

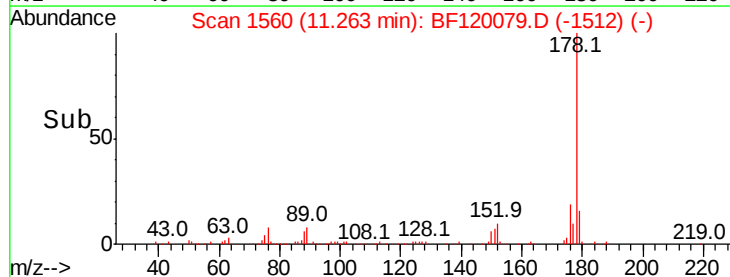
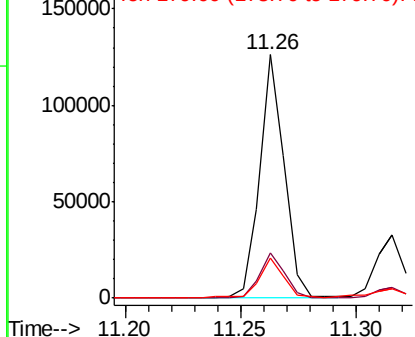


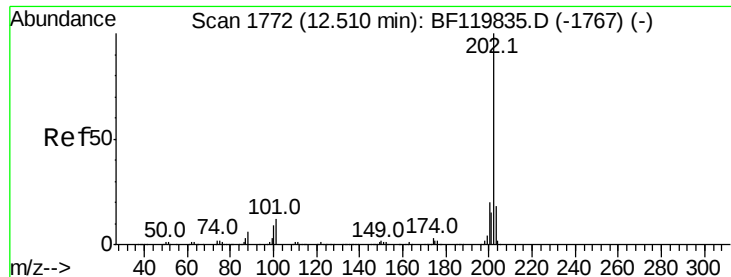
#71
 Phenanthrene
 Concen: 3.037 ng
 RT: 11.26 min Scan# 1560
 Delta R.T. -0.02 min
 Lab File: BF120079.D
 Acq: 20 Apr 2020 15:56

Tgt Ion:178 Resp: 94216
 Ion Ratio Lower Upper
 178 100
 176 18.6 15.1 22.7
 179 16.3 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: 3.514 ng

RT: 12.45 min Scan# 1762

Delta R.T. -0.02 min

Lab File: BF120079.D

Acq: 20 Apr 2020 15:56

Instrument :

BNA_F

ClientSampleId :

WB-7-2

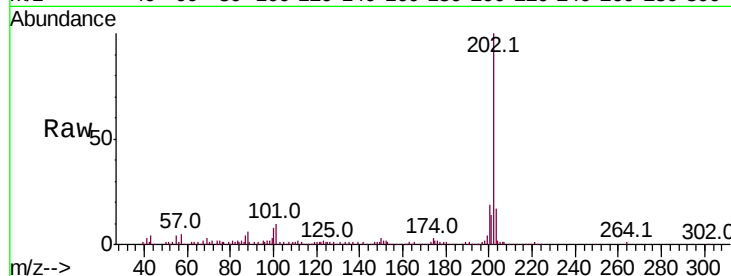
Tot Ion:202 Resp: 117609

Ion Ratio Lower Upper

202 100

101 10.5 0.0 32.3

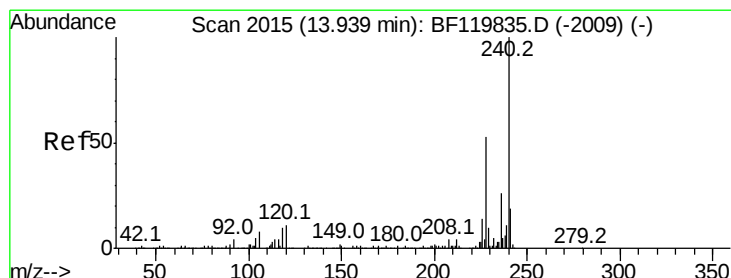
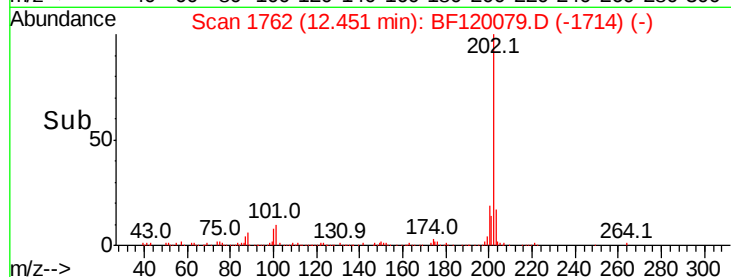
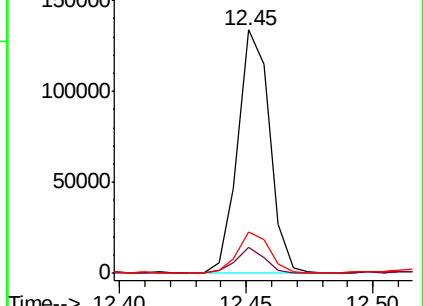
203 17.1 0.0 37.6



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: BF120079.D

Acq: 20 Apr 2020 15:56

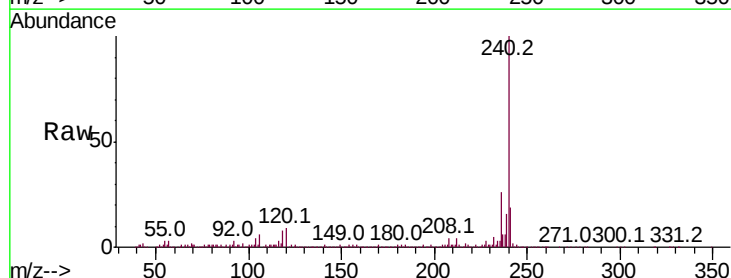
Tgt Ion:240 Resp: 393267

Ion Ratio Lower Upper

240 100

120 9.3 9.0 13.6

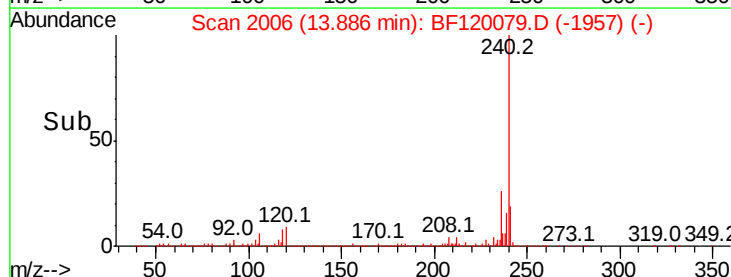
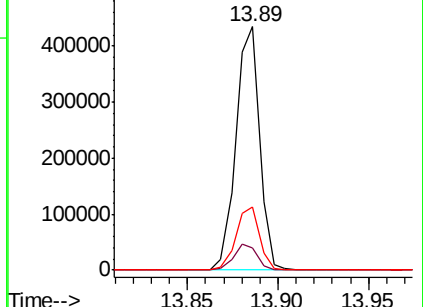
236 25.8 20.7 31.1

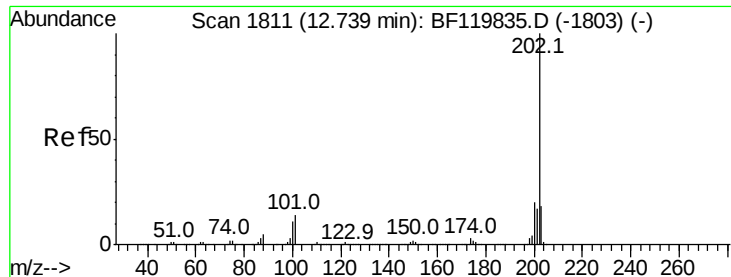


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#78

Pvrene

Concen: 3.789 ng

RT: 12.68 min Scan# 1801

Delta R.T. -0.02 min

Lab File: BF120079.D

Acq: 20 Apr 2020 15:56

Instrument :

BNA_F

ClientSampleId :

WB-7-2

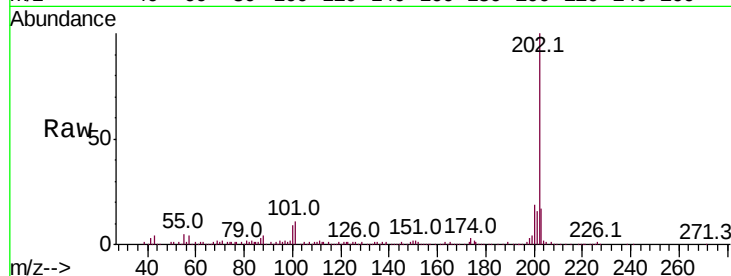
Tot Ion:202 Resp: 125603

Ion Ratio Lower Upper

202 100

200 19.2 16.2 24.2

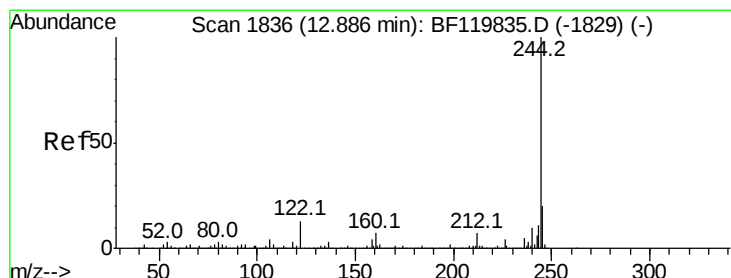
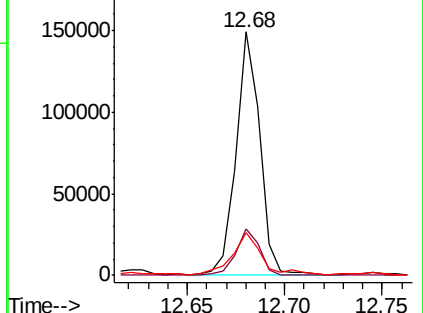
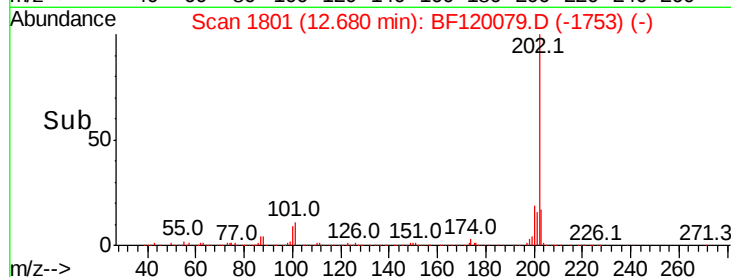
203 17.3 14.1 21.1



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: 77.650 ng

RT: 12.84 min Scan# 1828

Delta R.T. -0.01 min

Lab File: BF120079.D

Acq: 20 Apr 2020 15:56

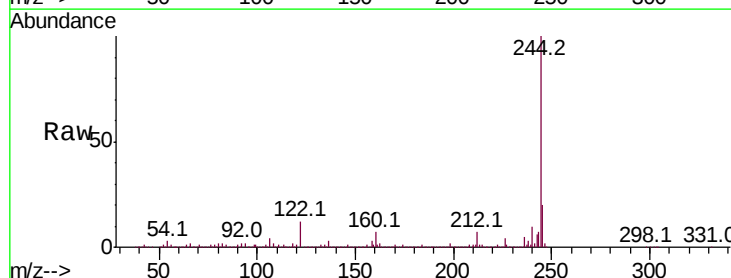
Tgt Ion:244 Resp: 1814813

Ion Ratio Lower Upper

244 100

212 6.9 5.4 8.0

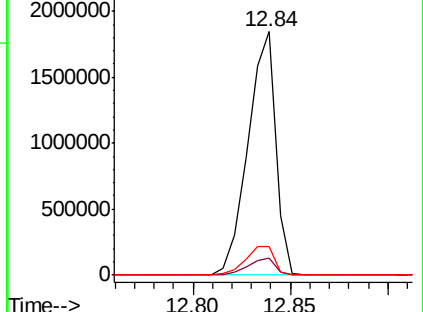
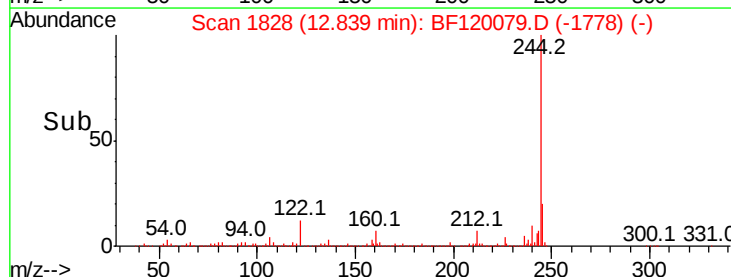
122 12.0 10.3 15.5

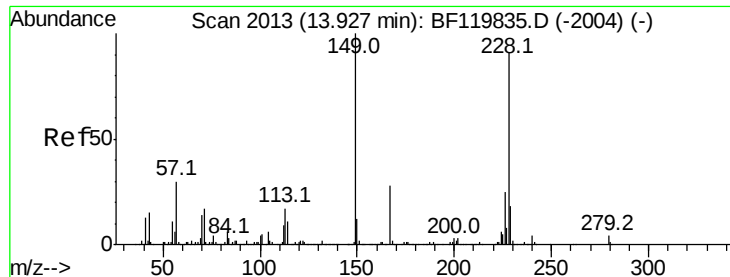


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

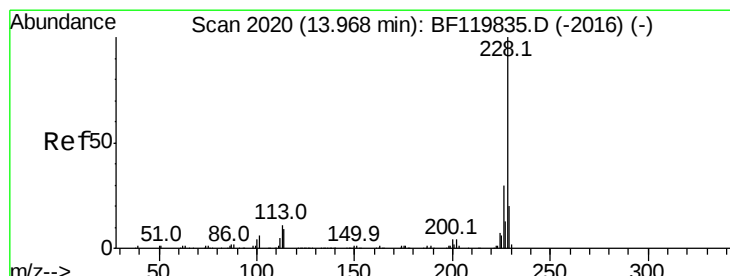
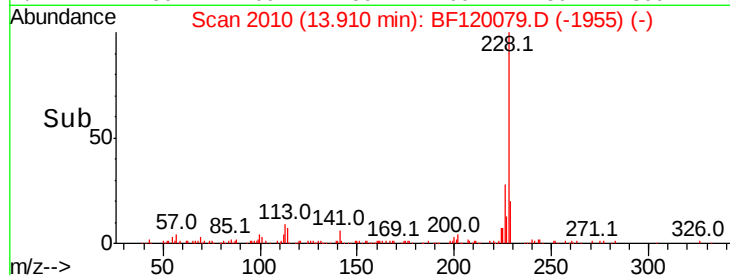
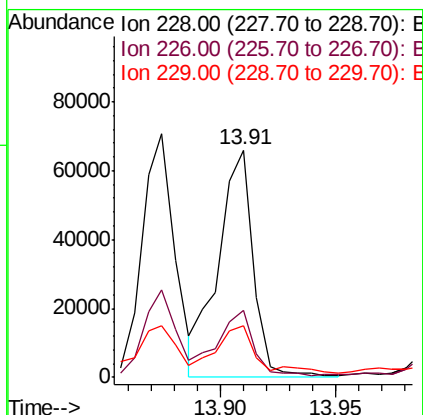
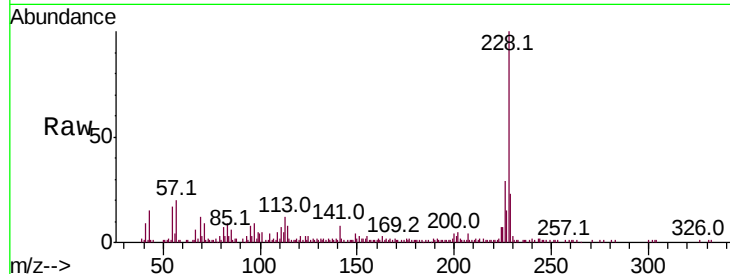




#81
Benzo(a)anthracene
Concen: 2.667 ng
RT: 13.91 min Scan# 2010
Delta R.T. 0.02 min
Lab File: BF120079.D
Acq: 20 Apr 2020 15:56

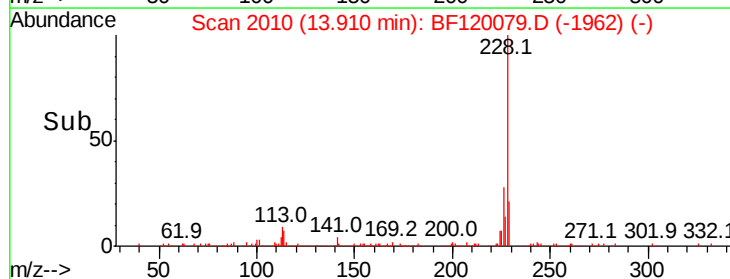
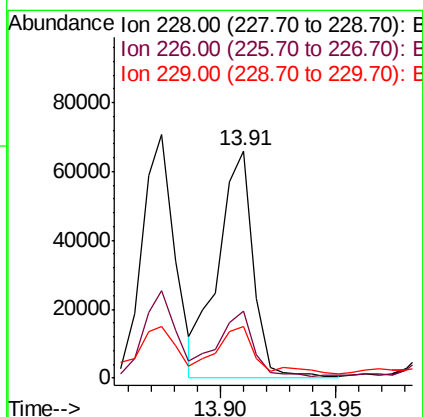
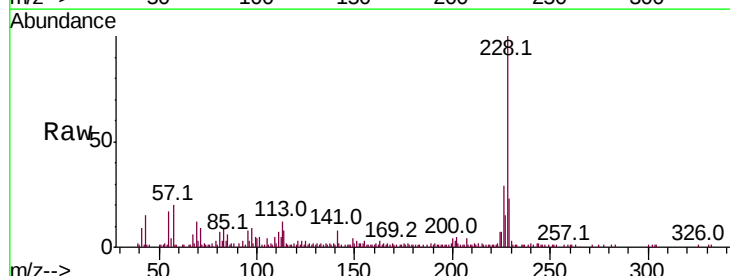
Instrument :
BNA_F
ClientSampleId :
WB-7-2

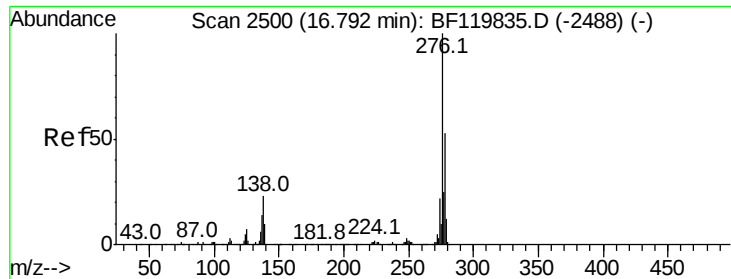
Tot Ion:228 Resp: 69008
Ion Ratio Lower Upper
228 100
226 29.3 21.9 32.9
229 22.6 15.9 23.9



#83
Chrysene
Concen: 2.625 ng
RT: 13.91 min Scan# 2010
Delta R.T. -0.02 min
Lab File: BF120079.D
Acq: 20 Apr 2020 15:56

Tgt Ion:228 Resp: 69008
Ion Ratio Lower Upper
228 100
226 29.3 24.2 36.2
229 22.6 15.9 23.9

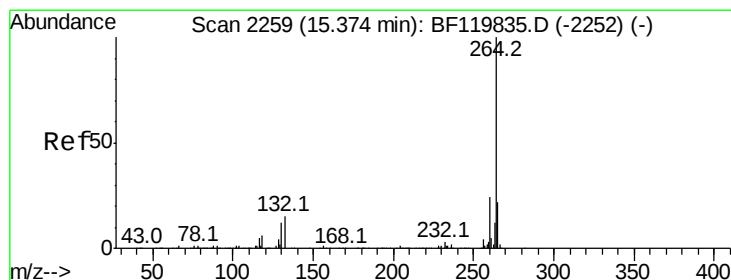
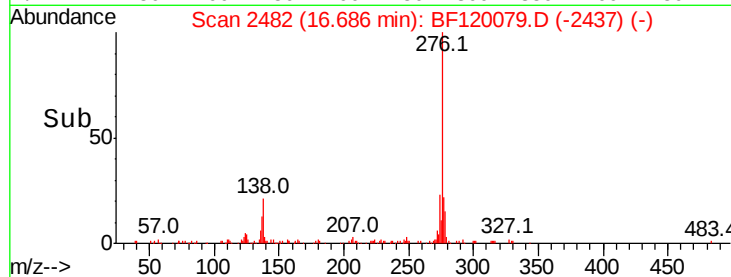
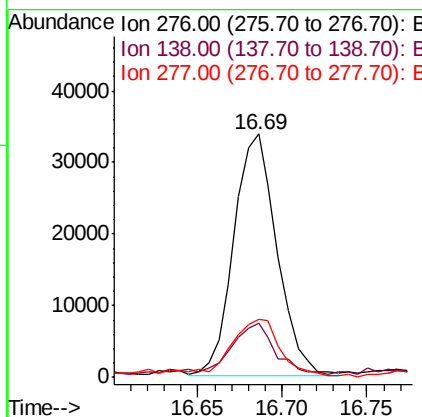
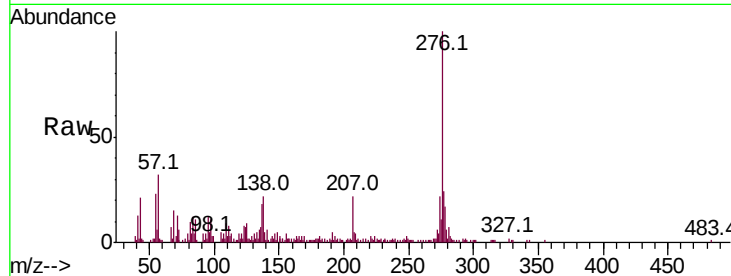




#86
Indeno(1,2,3-cd)pyrene
Concen: 2.592 ng
RT: 16.69 min Scan# 2482
Delta R.T. -0.04 min
Lab File: BF120079.D
Acq: 20 Apr 2020 15:56

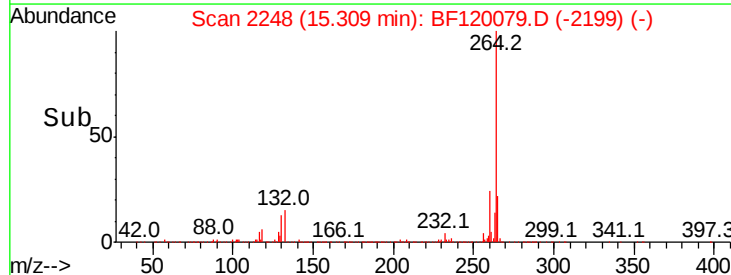
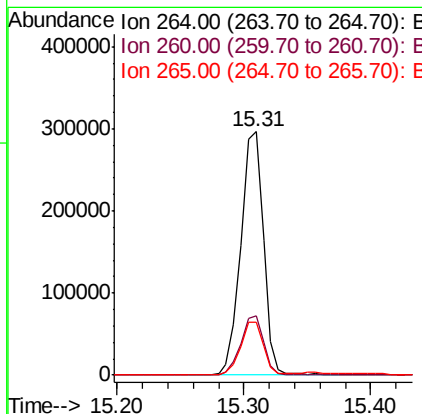
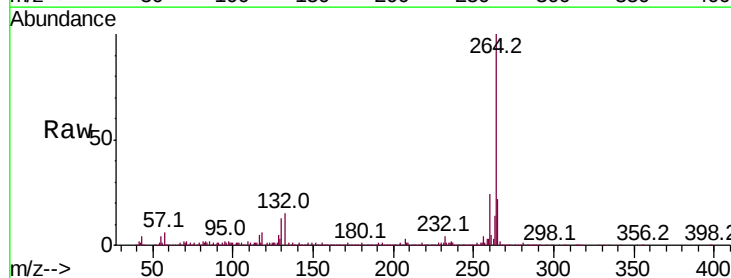
Instrument :
BNA_F
ClientSampleId :
WB-7-2

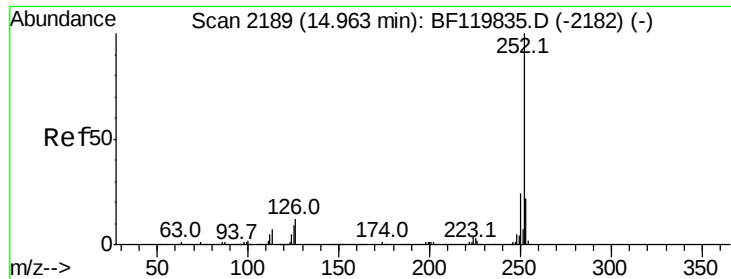
Tot Ion:276 Resp: 60060
Ion Ratio Lower Upper
276 100
138 22.6 18.0 27.0
277 28.0 20.1 30.1



#87
Perylene-d12
Concen: 20.000 ng
RT: 15.31 min Scan# 2248
Delta R.T. -0.01 min
Lab File: BF120079.D
Acq: 20 Apr 2020 15:56

Tgt Ion:264 Resp: 366774
Ion Ratio Lower Upper
264 100
260 24.1 19.3 28.9
265 21.9 17.6 26.4

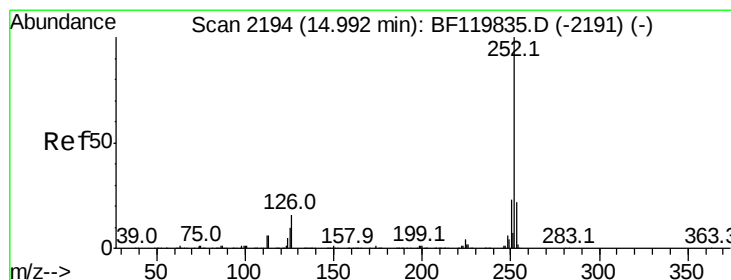
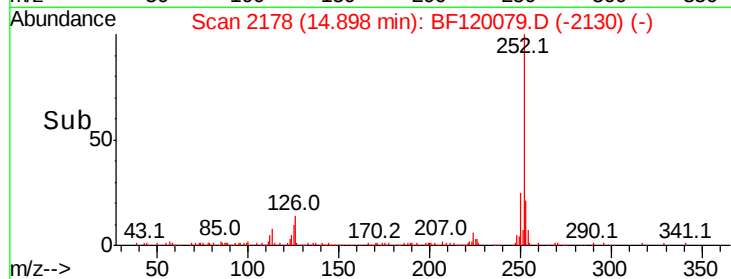
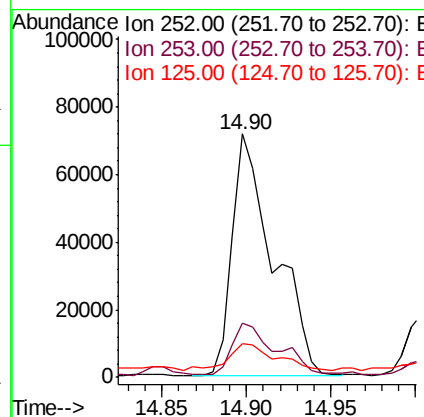
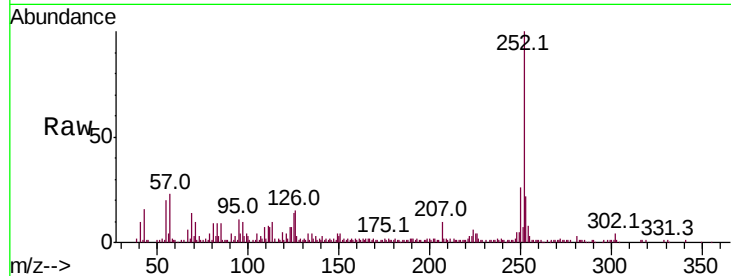




#88
Benzo(b)fluoranthene
Concen: 4.628 ng
RT: 14.90 min Scan# 2178
Delta R.T. -0.02 min
Lab File: BF120079.D
Acq: 20 Apr 2020 15:56

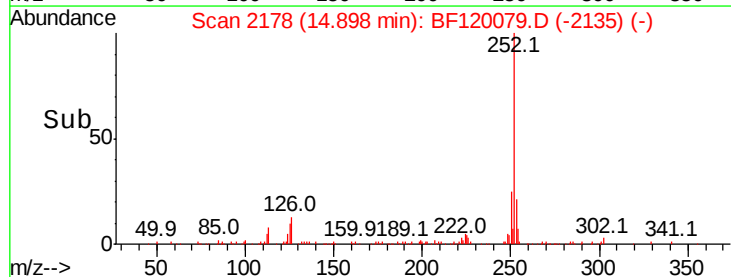
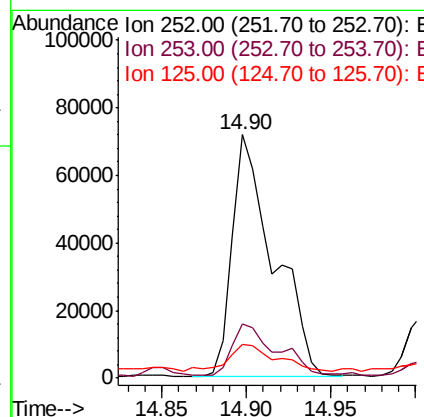
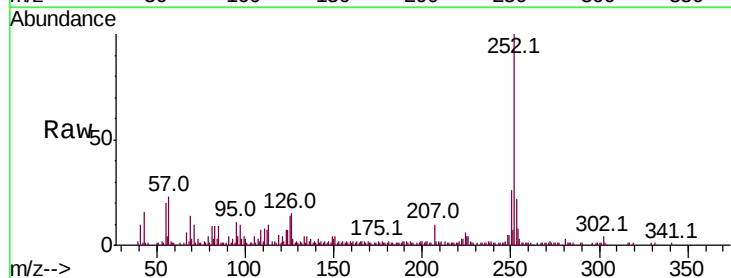
Instrument :
BNA_F
ClientSampleId :
WB-7-2

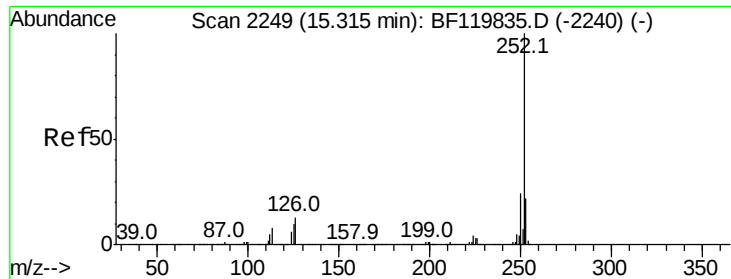
Tot Ion:252 Resp: 122108
Ion Ratio Lower Upper
252 100
253 22.0 17.7 26.5
125 13.8 7.4 11.2#



#89
Benzo(k)fluoranthene
Concen: 5.364 ng
RT: 14.90 min Scan# 2178
Delta R.T. -0.05 min
Lab File: BF120079.D
Acq: 20 Apr 2020 15:56

Tgt Ion:252 Resp: 122108
Ion Ratio Lower Upper
252 100
253 22.0 17.8 26.8
125 13.8 7.7 11.5#





#90

Benzo(a)pyrene

Concen: 3.321 ng

RT: 15.24 min Scan# 2237

Delta R.T. -0.02 min

Lab File: BF120079.D

Acq: 20 Apr 2020 15:56

Instrument :

BNA_F

ClientSampleId :

WB-7-2

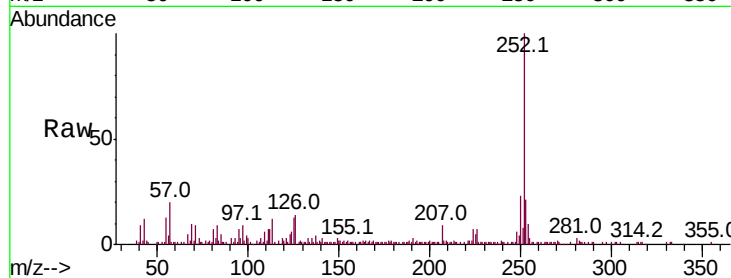
Tot Ion:252 Resp: 73673

Ion Ratio Lower Upper

252 100

253 20.5 17.4 26.2

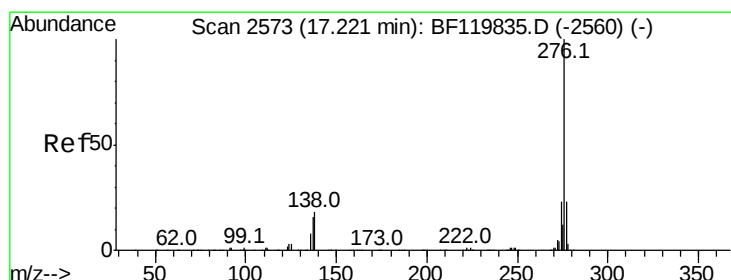
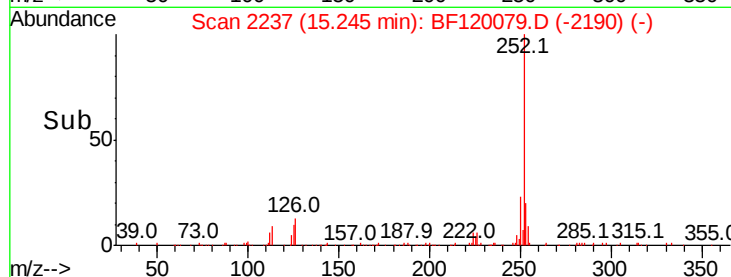
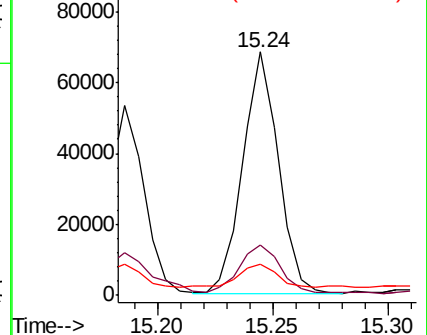
125 12.6 8.3 12.5#



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



#92

Benzo(g,h,i)perylene

Concen: 3.282 ng

RT: 17.10 min Scan# 2552

Delta R.T. -0.05 min

Lab File: BF120079.D

Acq: 20 Apr 2020 15:56

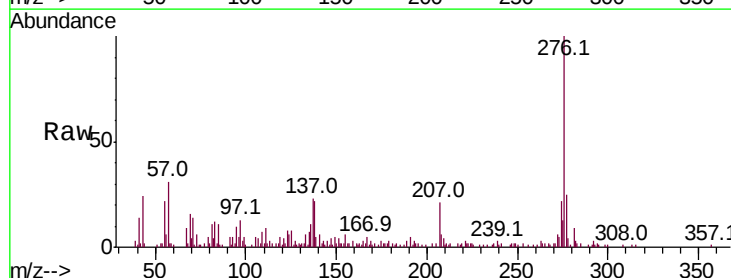
Tgt Ion:276 Resp: 63662

Ion Ratio Lower Upper

276 100

277 24.8 18.5 27.7

138 26.6 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

