

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF060220\
 Data File : BF120502.D
 Acq On : 2 Jun 2020 18:35
 Operator : JU/CG
 Sample : L2798-08
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Jun 02 19:19:54 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF052820.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jun 02 11:37:51 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.85	152	176454	20.00	ng	0.00
21) Naphthalene-d8	8.13	136	601451	20.00	ng	0.00
39) Acenaphthene-d10	9.88	164	268019	20.00	ng	0.00
64) Phenanthrene-d10	11.37	188	461163	20.00	ng	0.00
76) Chrysene-d12	14.01	240	368118	20.00	ng	0.00
86) Perylene-d12	15.47	264	317484	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.47	112	667919	72.14	ng	0.00
7) Phenol-d6	6.48	99	825912	72.37	ng	0.00
23) Nitrobenzene-d5	7.40	82	576646	62.72	ng	0.00
42) 2,4,6-Tribromophenol	10.67	330	203395	81.90	ng	-0.01
45) 2-Fluorobiphenyl	9.20	172	1066208	67.50	ng	0.00
79) Terphenyl-d14	12.96	244	1053612	63.69	ng	0.00

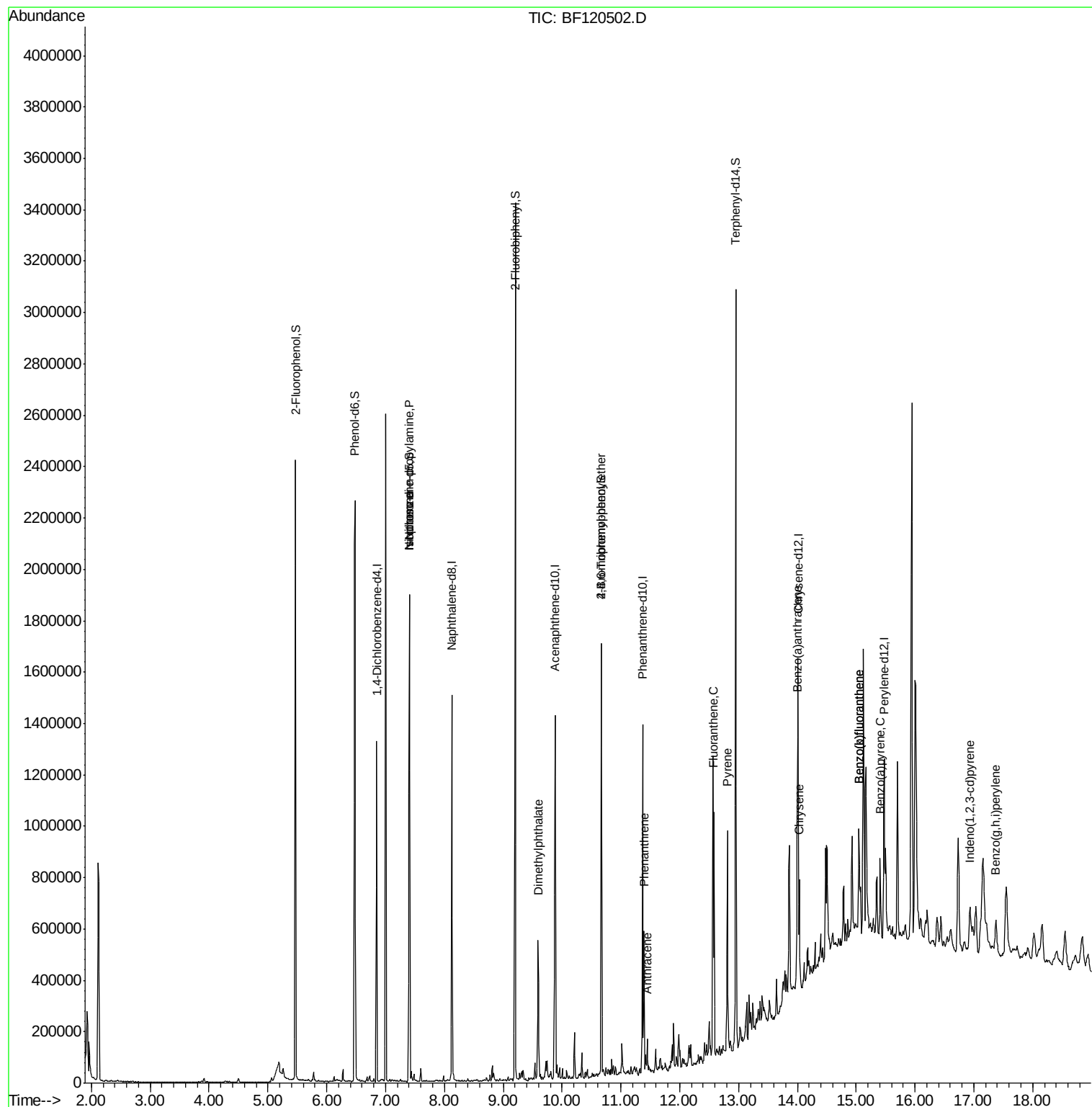
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	7.40	70	75972	10.472	ng	# 80
25) Isophorone	7.40	82	572819	30.997	ng	# 64
50) Dimethylphthalate	9.59	163	190693	11.381	ng	99
67) 4-Bromophenyl-phenylether	10.67	248	12386	2.661	ng	# 1
71) Phenanthrene	11.39	178	160577	7.902	ng	98
72) Anthracene	11.44	178	50020	2.453	ng	97
75) Fluoranthene	12.58	202	377040	17.244	ng	99
78) Pyrene	12.81	202	371744	14.521	ng	98
81) Benzo(a)anthracene	14.00	228	199293	10.101	ng	97
83) Chrysene	14.04	228	188318	9.105	ng	98
87) Indeno(1,2,3-cd)pyrene	16.93	276	103131	5.939	ng	95
88) Benzo(b)fluoranthene	15.04	252	308206	17.478	ng	98
89) Benzo(k)fluoranthene	15.04	252	308206	18.722	ng	# 96
90) Benzo(a)pyrene	15.41	252	158796	10.295	ng	98
92) Benzo(a,h,i)perylene	17.37	276	97295	6.968	ng	97

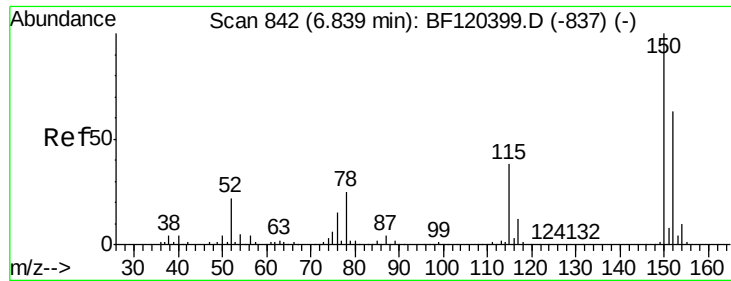
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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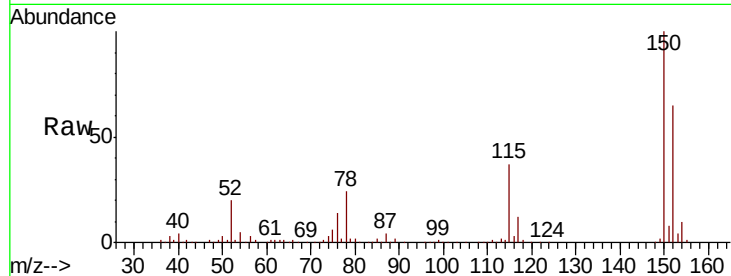


#1

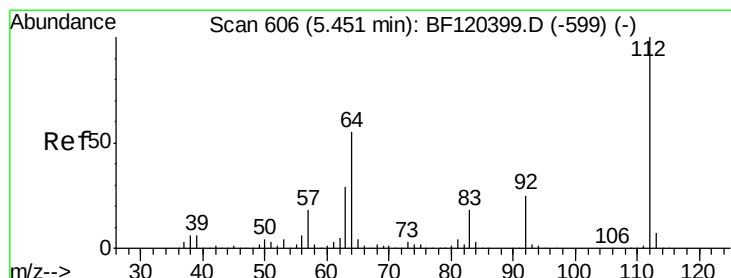
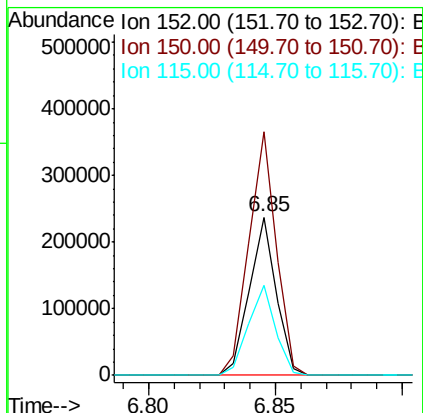
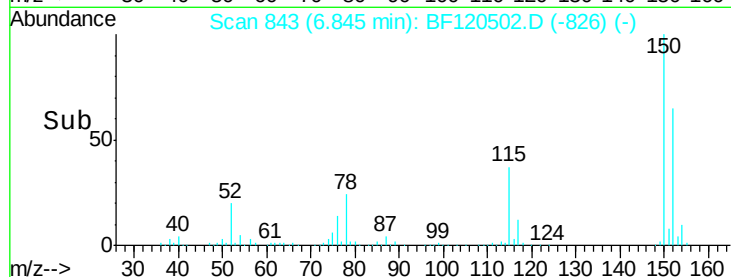
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.85 min Scan# 843
Delta R.T. -0.00 min
Lab File: BF120502.D
Acq: 2 Jun 2020 18:35

Instrument :
BNA_G
ClientSampled :

Tot Ion:152 Resp: 176454
Ion Ratio Lower Upper
152 100
150 154.0 126.7 190.1
115 56.9 46.2 69.2



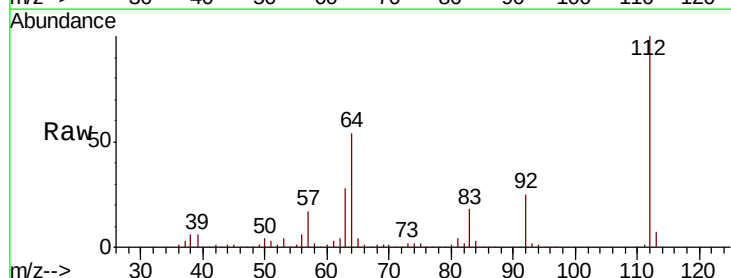
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



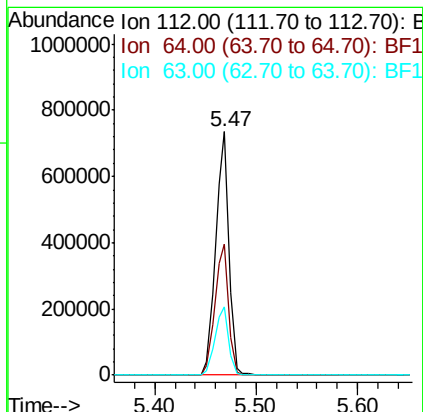
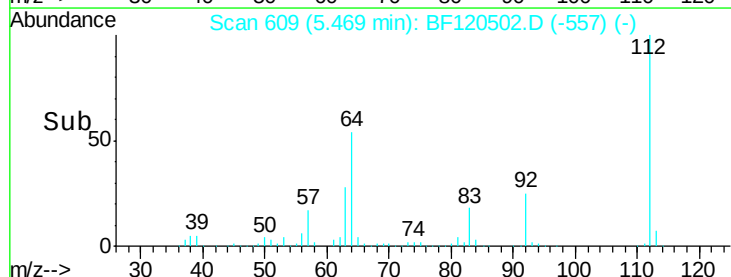
#5

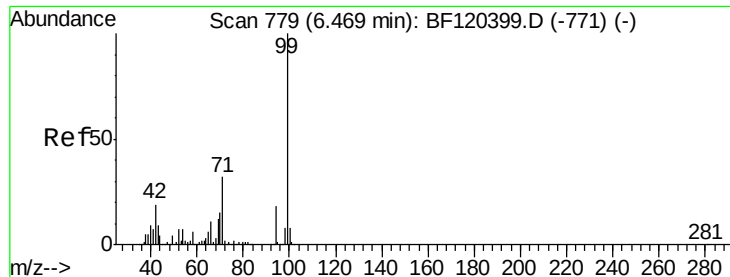
2-Fluorophenol
Concen: 72.137 ng
RT: 5.47 min Scan# 609
Delta R.T. 0.01 min
Lab File: BF120502.D
Acq: 2 Jun 2020 18:35

Tgt Ion:112 Resp: 667919
Ion Ratio Lower Upper
112 100
64 53.9 46.3 69.5
63 28.1 24.2 36.2



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: 72.369 ng

RT: 6.48 min Scan# 781

Delta R.T. -0.00 min

Lab File: BF120502.D

Acq: 2 Jun 2020 18:35

Instrument :

BNA_G

ClientSampleId :

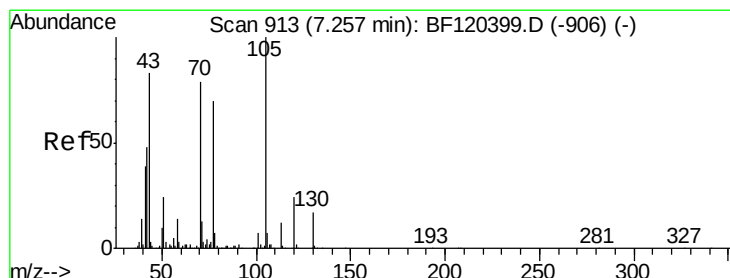
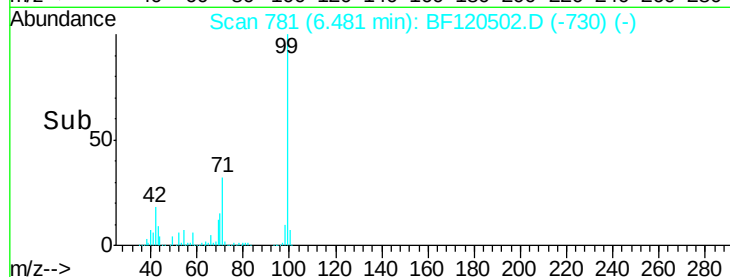
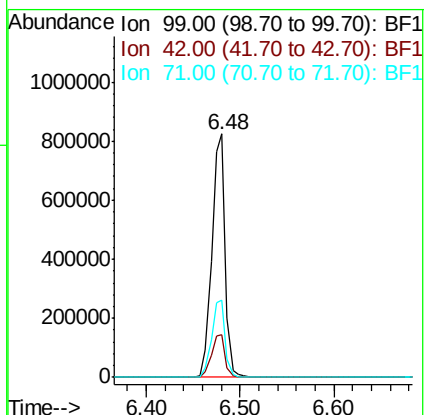
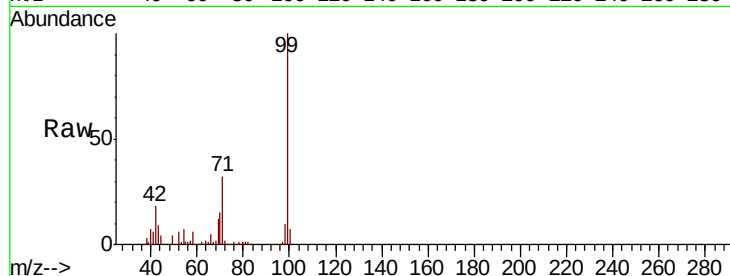
Tot Ion: 99 Resp: 825912

Ion Ratio Lower Upper

99 100

42 17.8 15.1 22.7

71 31.8 26.2 39.4



#19

n-Nitroso-di-n-propylamine

Concen: 10.472 ng

RT: 7.40 min Scan# 938

Delta R.T. 0.14 min

Lab File: BF120502.D

Acq: 2 Jun 2020 18:35

Tgt Ion: 70 Resp: 75972

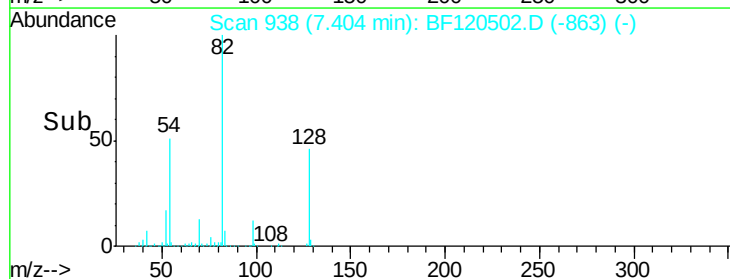
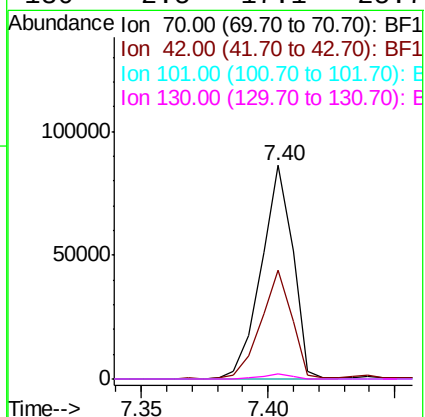
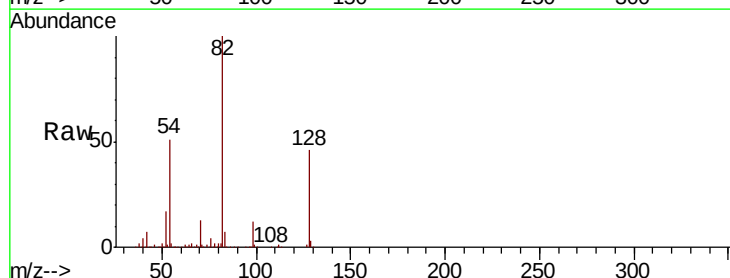
Ion Ratio Lower Upper

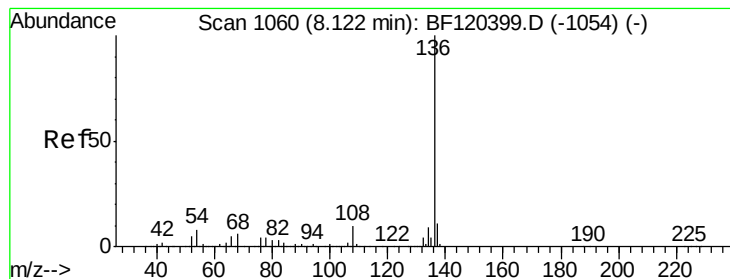
70 100

42 50.9 47.4 71.2

101 0.0 7.8 11.6#

130 2.5 17.1 25.7#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.13 min Scan# 1061

Delta R.T. -0.00 min

Lab File: BF120502.D

Acq: 2 Jun 2020 18:35

Instrument :

BNA_G

ClientSampled :

Tot Ion:136 Resp: 601451

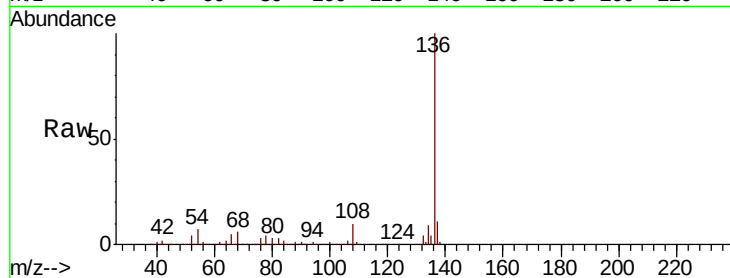
Ion Ratio Lower Upper

136 100

137 11.1 9.0 13.6

54 7.4 6.2 9.4

68 5.8 5.0 7.6

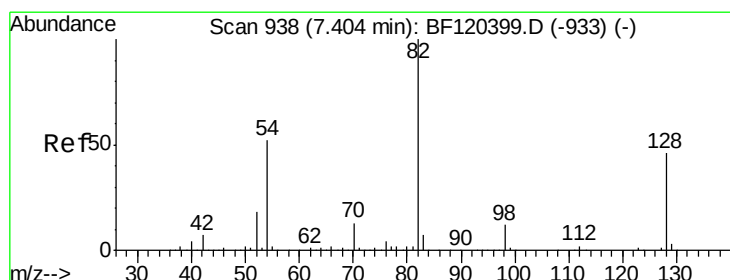
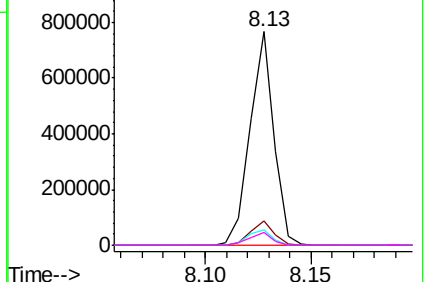
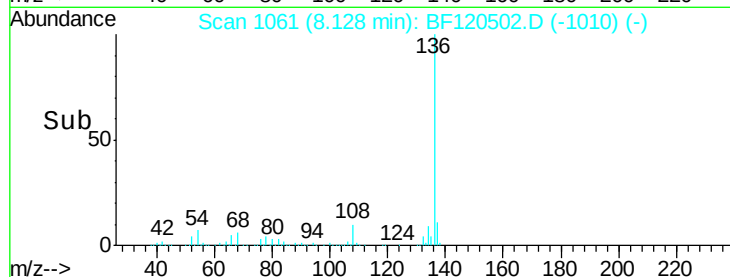


Abundance Ion 136.00 (135.70 to 136.70): E

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: 62.715 ng

RT: 7.40 min Scan# 938

Delta R.T. -0.01 min

Lab File: BF120502.D

Acq: 2 Jun 2020 18:35

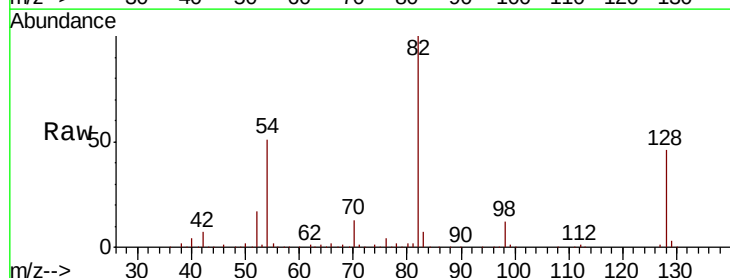
Tgt Ion: 82 Resp: 576646

Ion Ratio Lower Upper

82 100

128 46.1 37.0 55.6

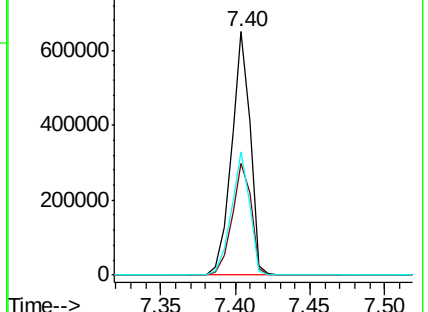
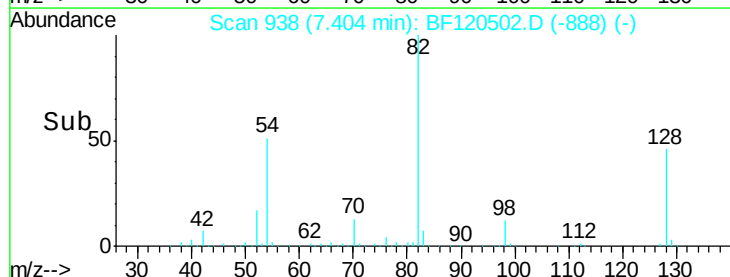
54 50.8 41.0 61.4

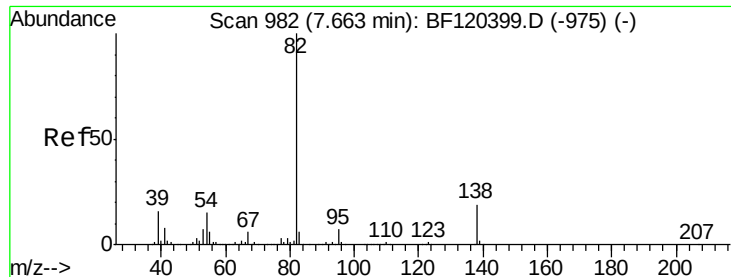


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 30.997 ng

RT: 7.40 min Scan# 938

Delta R.T. -0.26 min

Lab File: BF120502.D

Acq: 2 Jun 2020 18:35

Instrument :

BNA_G

ClientSampleId :

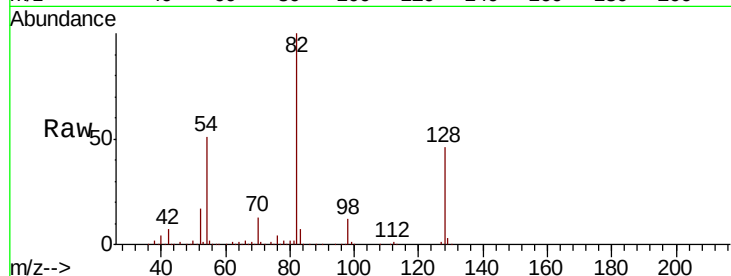
Tot Ion: 82 Resp: 572819

Ion Ratio Lower Upper

82 100

95 0.0 5.7 8.5#

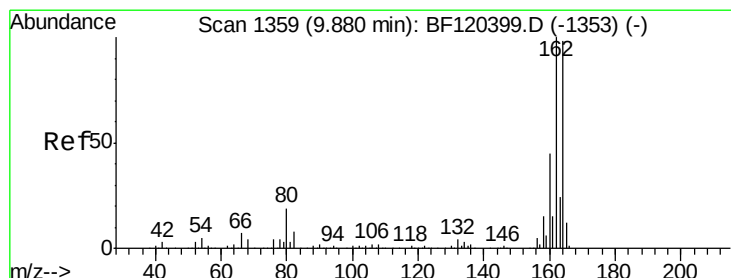
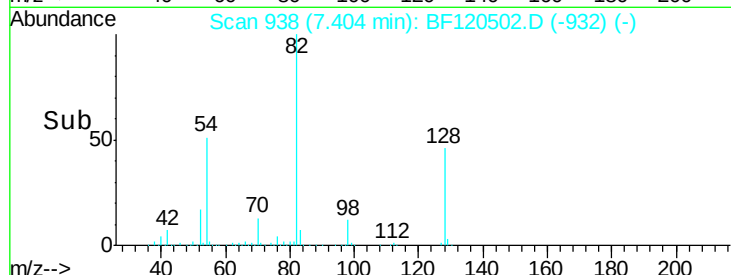
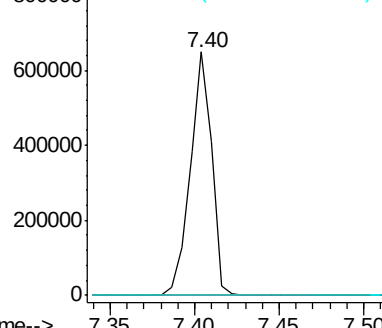
138 0.0 15.0 22.6#



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: 9.88 min Scan# 1359

Delta R.T. -0.01 min

Lab File: BF120502.D

Acq: 2 Jun 2020 18:35

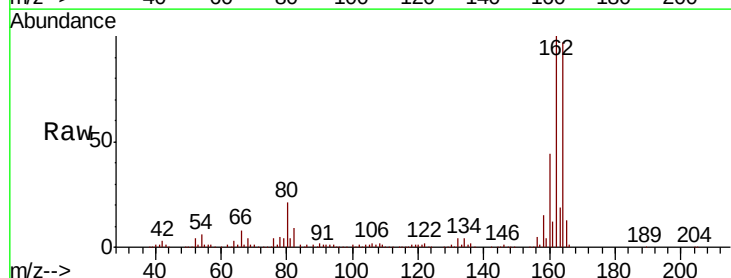
Tgt Ion:164 Resp: 268019

Ion Ratio Lower Upper

164 100

162 102.7 81.9 122.9

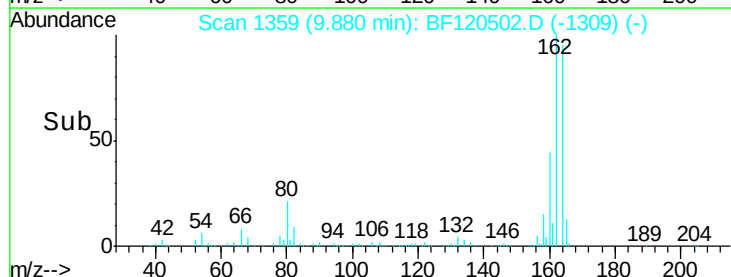
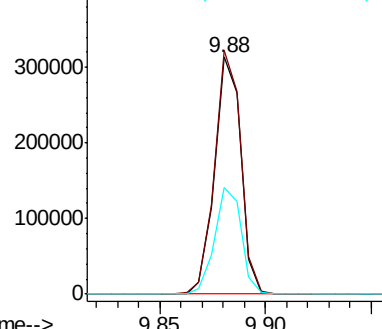
160 45.1 37.4 56.0

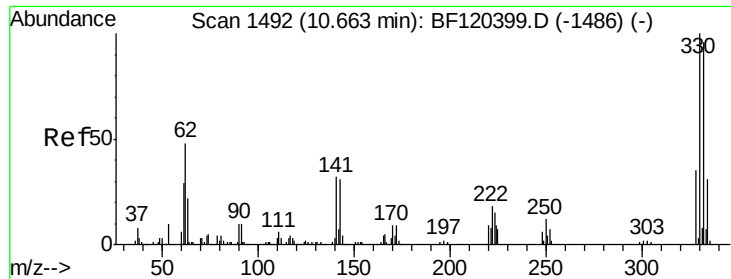


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

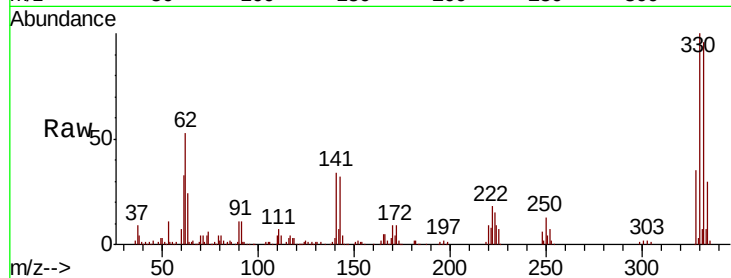




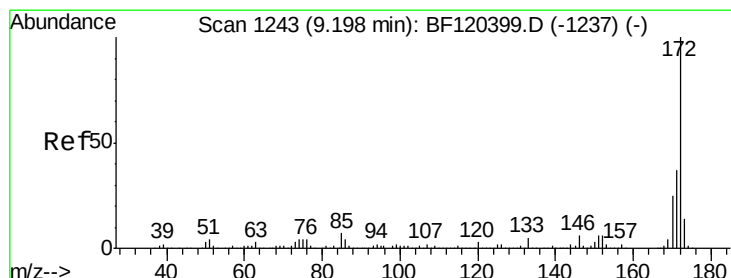
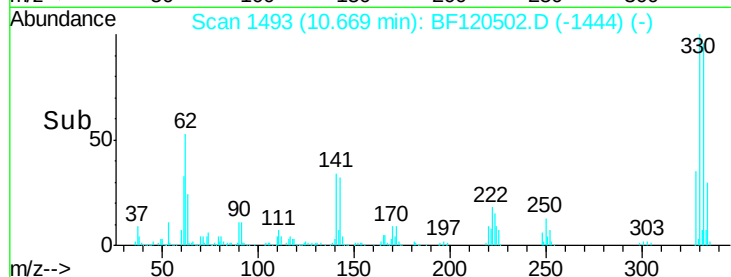
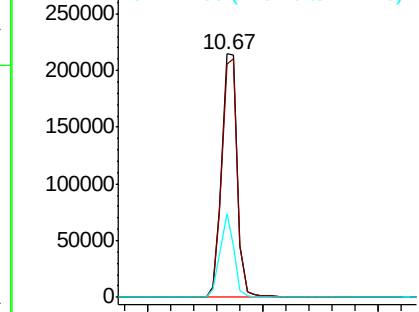
#42
 2,4,6-Tribromophenol
 Concen: 81.905 ng
 RT: 10.67 min Scan# 1493
 Delta R.T. -0.01 min
 Lab File: BF120502.D
 Acq: 2 Jun 2020 18:35

Instrument :
 BNA_G
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
330	100		
332	97.2	76.8	115.2
141	30.5	23.9	35.9

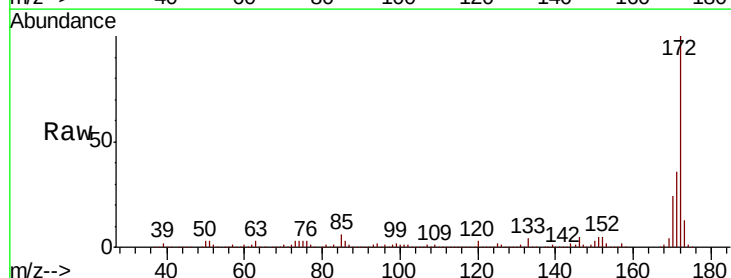


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

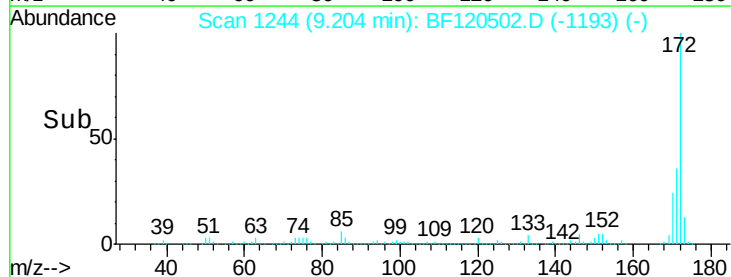
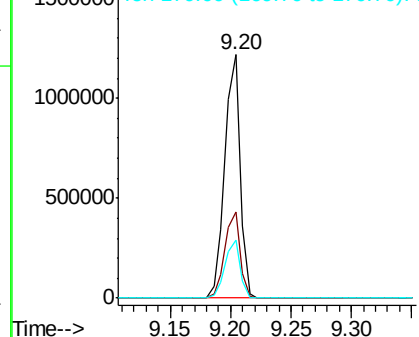


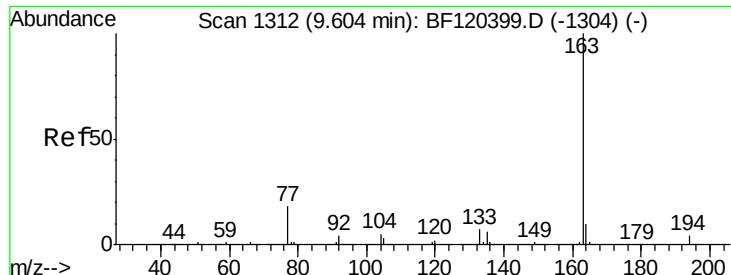
#45
 2-Fluorobiphenyl
 Concen: 67.496 ng
 RT: 9.20 min Scan# 1244
 Delta R.T. -0.00 min
 Lab File: BF120502.D
 Acq: 2 Jun 2020 18:35

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.5	29.4	44.2
170	23.8	19.9	29.9



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

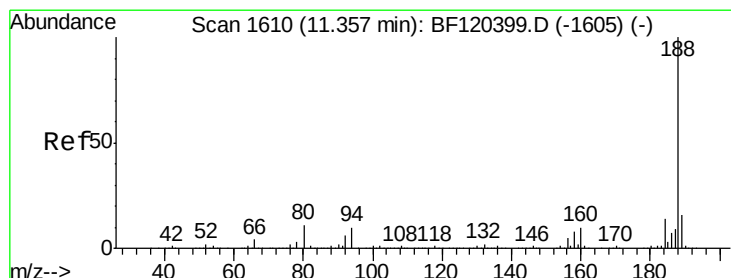
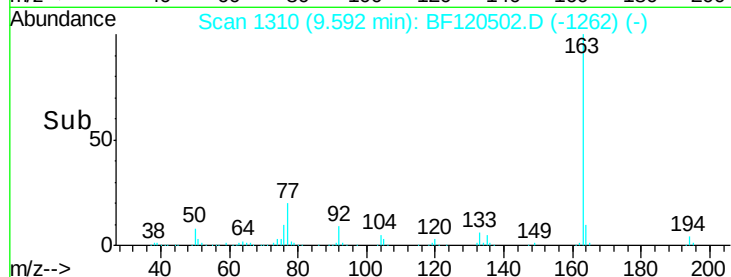
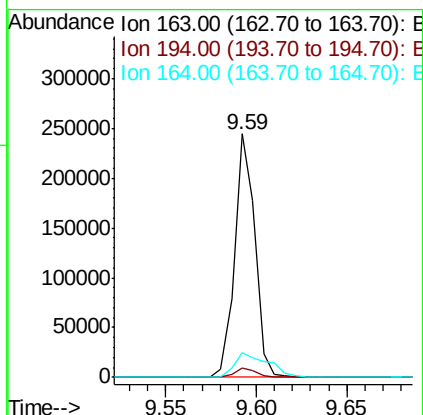
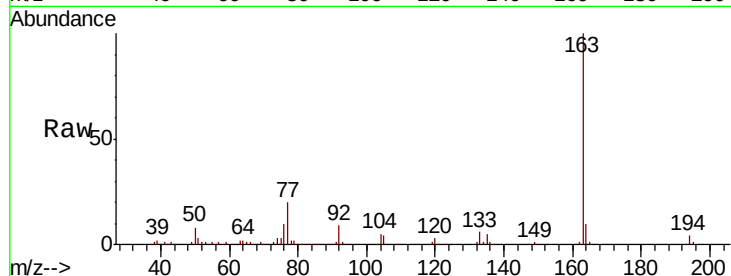




#50
Dimethylphthalate
Concen: 11.381 ng
RT: 9.59 min Scan# 1310
Delta R.T. -0.02 min
Lab File: BF120502.D
Acq: 2 Jun 2020 18:35

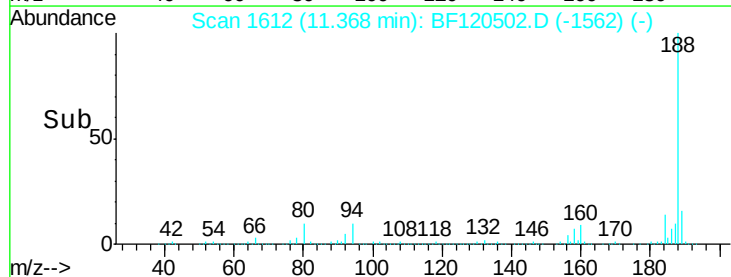
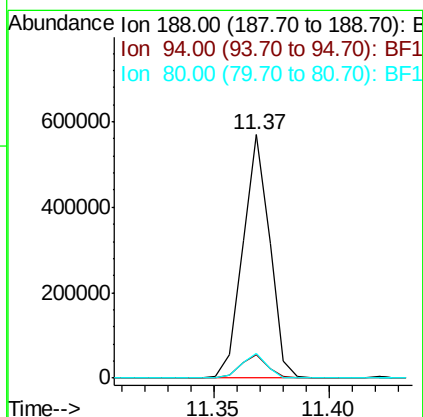
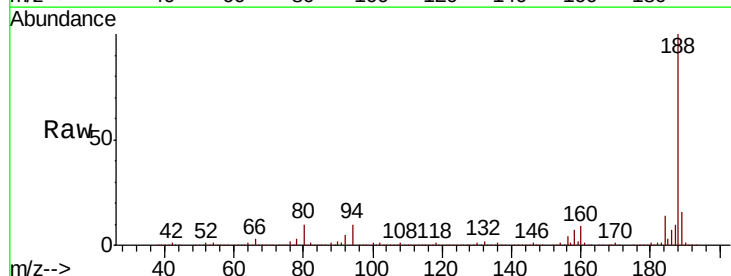
Instrument :
BNA_G
ClientSampleId :

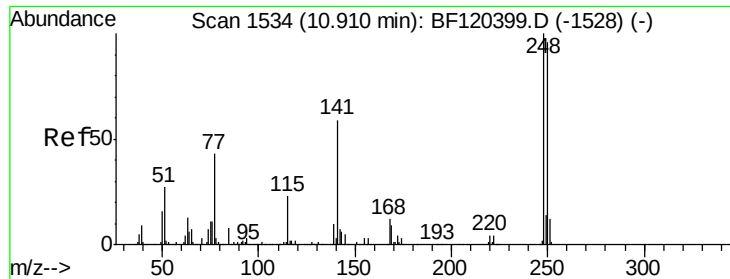
Tot Ion:163 Resp: 190693
Ion Ratio Lower Upper
163 100
194 3.6 3.3 4.9
164 10.1 8.2 12.2



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.37 min Scan# 1612
Delta R.T. -0.01 min
Lab File: BF120502.D
Acq: 2 Jun 2020 18:35

Tgt Ion:188 Resp: 461163
Ion Ratio Lower Upper
188 100
94 9.5 6.6 10.0
80 10.2 7.1 10.7

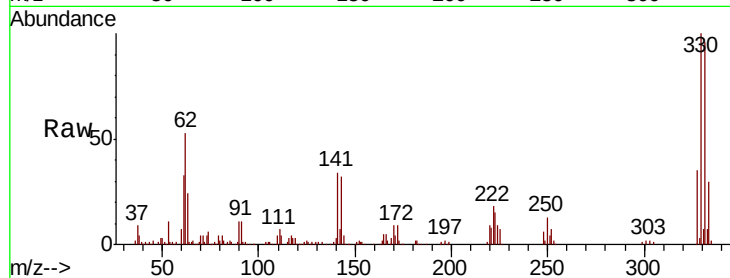




#67
4-Bromophenyl-phenylether
Concen: 2.661 ng
RT: 10.67 min Scan# 1493
Delta R.T. -0.25 min
Lab File: BF120502.D
Acq: 2 Jun 2020 18:35

Instrument :
BNA_G
ClientSampled :

Tot Ion	Ratio	Lower	Upper
248	100		
250	205.6	77.8	116.6#
141	549.9	54.8	82.2#

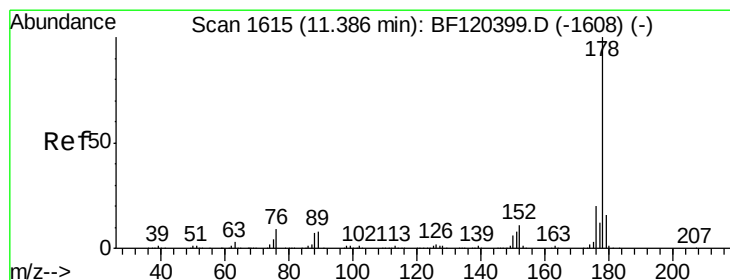
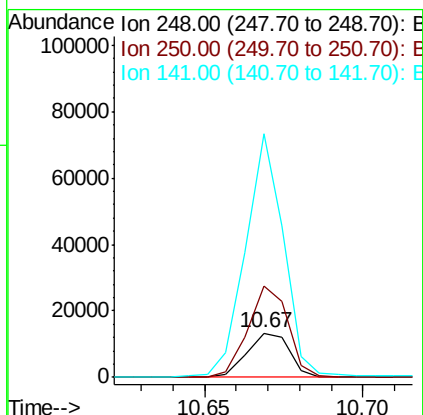
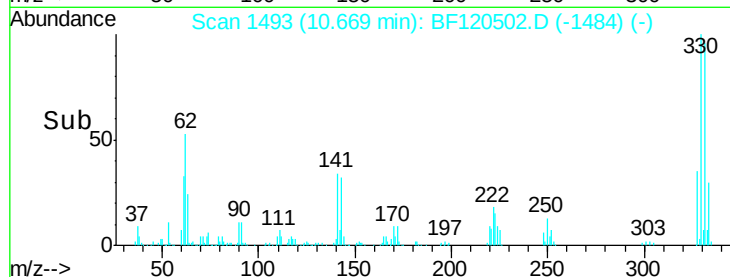


Abundance

Ion 248.00 (247.70 to 248.70): E

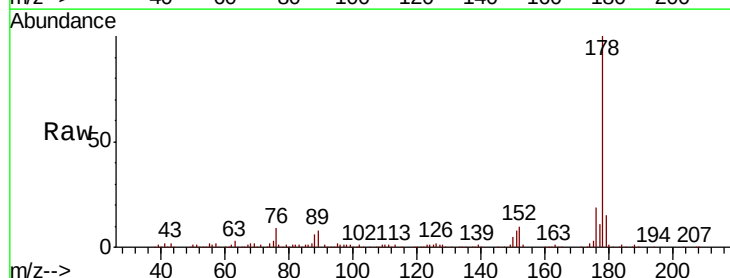
Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E



#71
Phenanthrene
Concen: 7.902 ng
RT: 11.39 min Scan# 1616
Delta R.T. -0.01 min
Lab File: BF120502.D
Acq: 2 Jun 2020 18:35

Tgt Ion	Ratio	Lower	Upper
178	100		
176	19.0	16.2	24.2
179	15.3	12.8	19.2

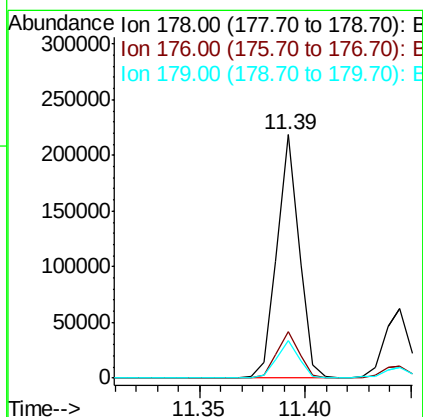
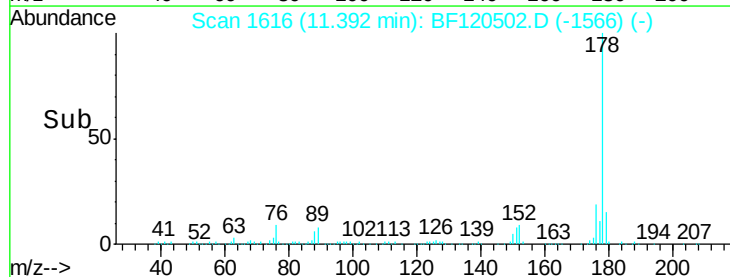


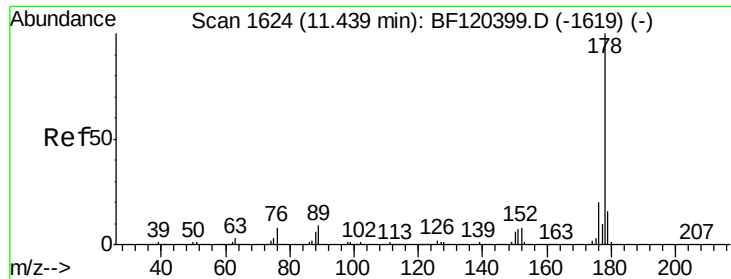
Abundance

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: 2.453 ng

RT: 11.44 min Scan# 1625

Delta R.T. -0.01 min

Lab File: BF120502.D

Acq: 2 Jun 2020 18:35

Instrument :

BNA_G

ClientSampled :

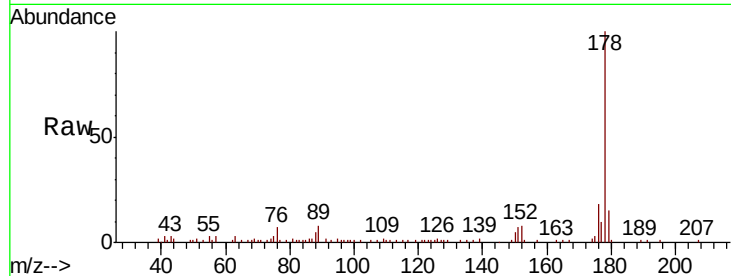
Tot Ion:178 Resp: 50020

Ion Ratio Lower Upper

178 100

176 18.2 15.9 23.9

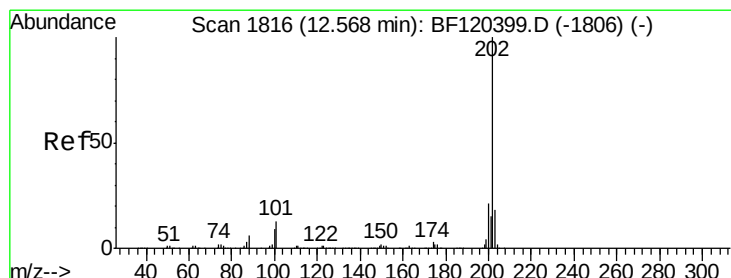
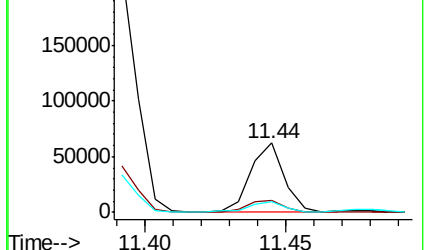
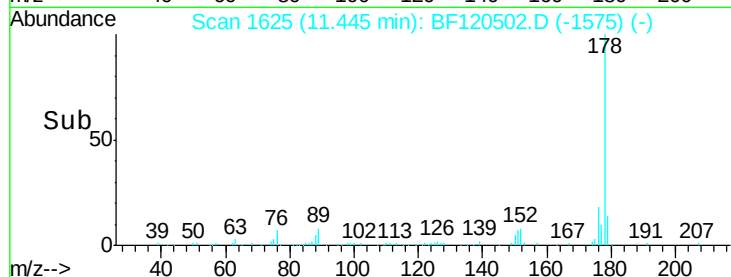
179 14.7 12.7 19.1



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: 17.244 ng

RT: 12.58 min Scan# 1818

Delta R.T. -0.01 min

Lab File: BF120502.D

Acq: 2 Jun 2020 18:35

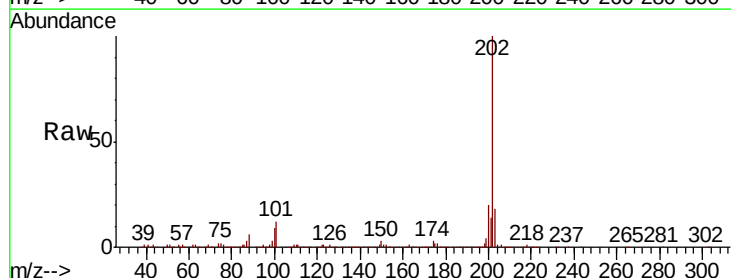
Tgt Ion:202 Resp: 377040

Ion Ratio Lower Upper

202 100

101 11.9 0.0 31.4

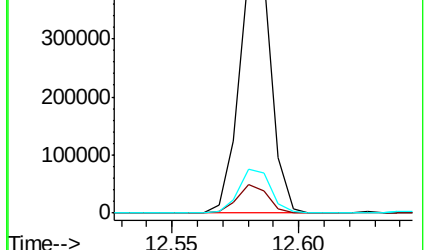
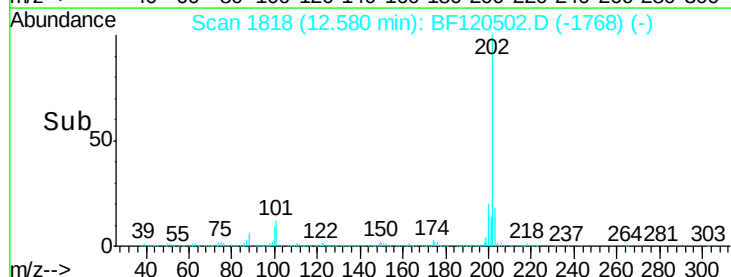
203 18.1 0.0 38.8

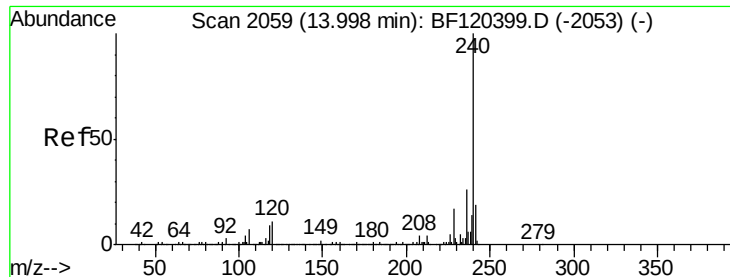


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.01 min Scan# 2061

Delta R.T. -0.01 min

Lab File: BF120502.D

Acq: 2 Jun 2020 18:35

Instrument :

BNA_G

ClientSampled :

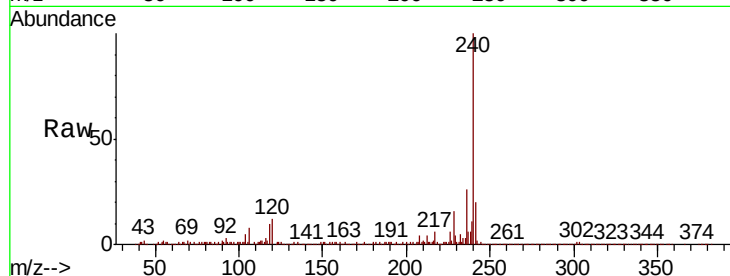
Tot Ion:240 Resp: 368118

Ion Ratio Lower Upper

240 100

120 12.5 9.9 14.9

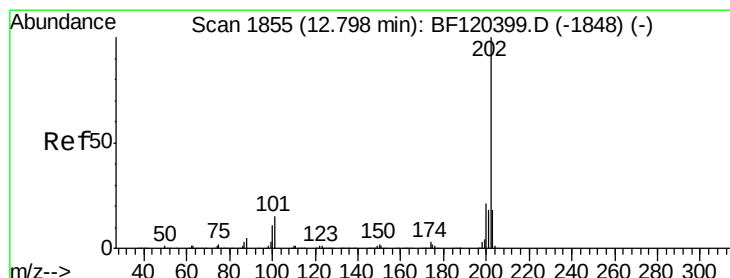
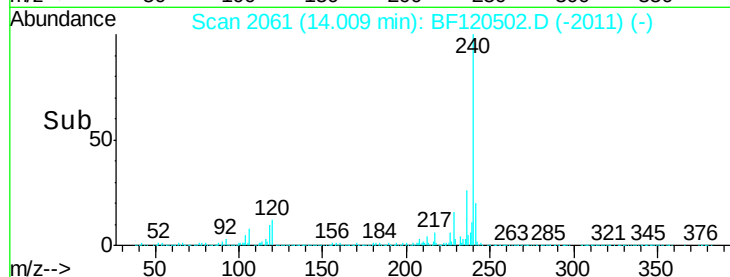
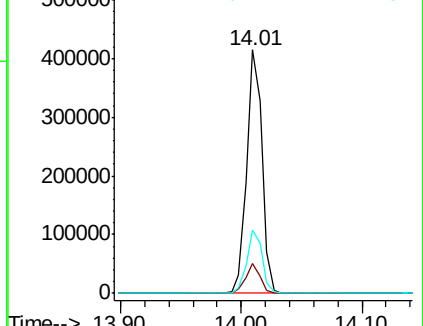
236 25.9 21.0 31.6



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: 14.521 ng

RT: 12.81 min Scan# 1857

Delta R.T. -0.01 min

Lab File: BF120502.D

Acq: 2 Jun 2020 18:35

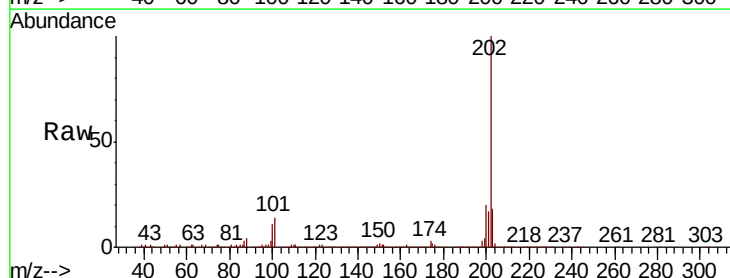
Tgt Ion:202 Resp: 371744

Ion Ratio Lower Upper

202 100

200 19.9 17.0 25.6

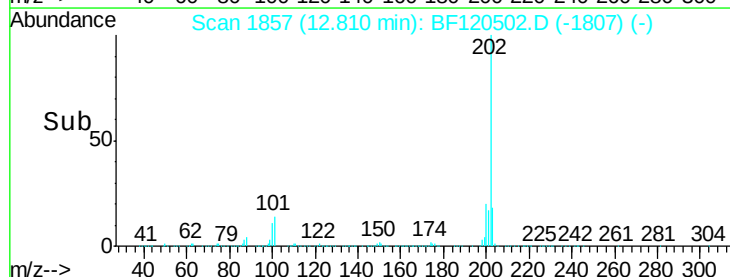
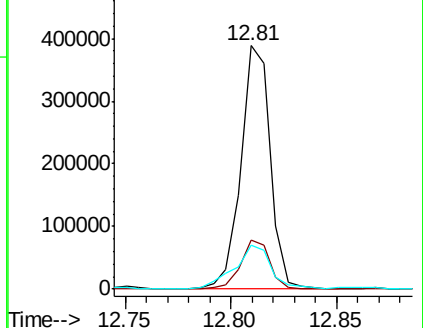
203 17.9 14.6 22.0

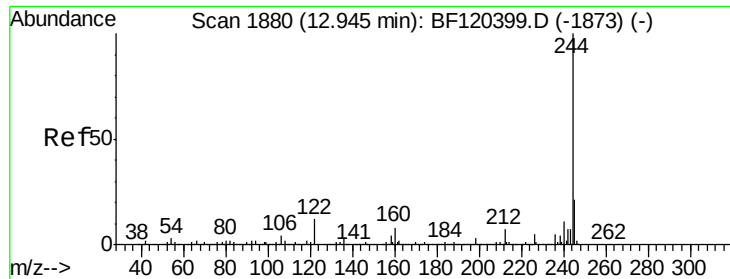


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#79

Terphenyl-d14

Concen: 63.690 ng

RT: 12.96 min Scan# 1882

Delta R.T. -0.00 min

Lab File: BF120502.D

Acq: 2 Jun 2020 18:35

Instrument :

BNA_G

ClientSampleId :

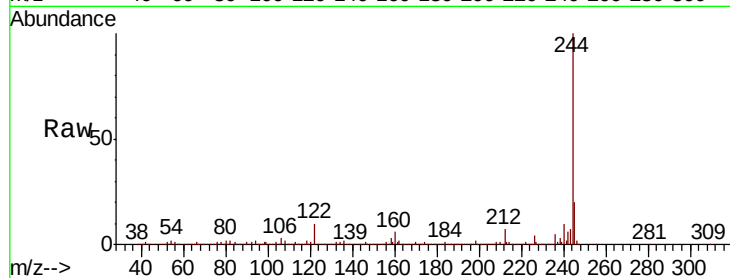
Tot Ion:244 Resp: 1053612

Ion Ratio Lower Upper

244 100

212 6.5 5.8 8.8

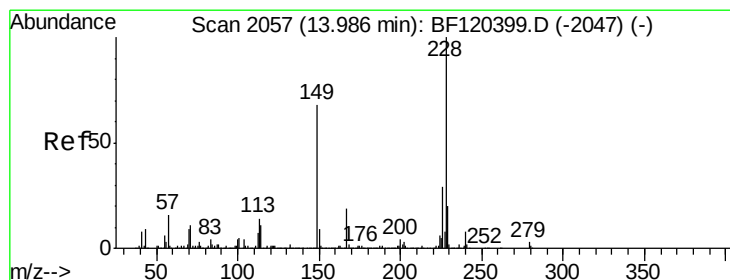
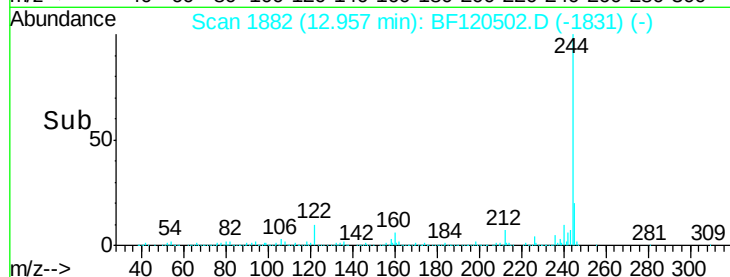
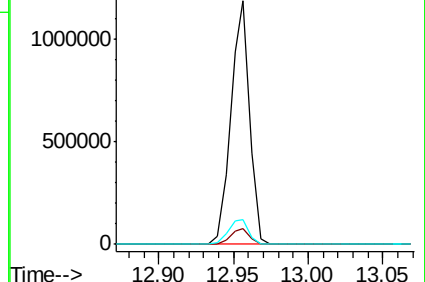
122 10.4 8.7 13.1



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: 10.101 ng

RT: 14.00 min Scan# 2059

Delta R.T. -0.01 min

Lab File: BF120502.D

Acq: 2 Jun 2020 18:35

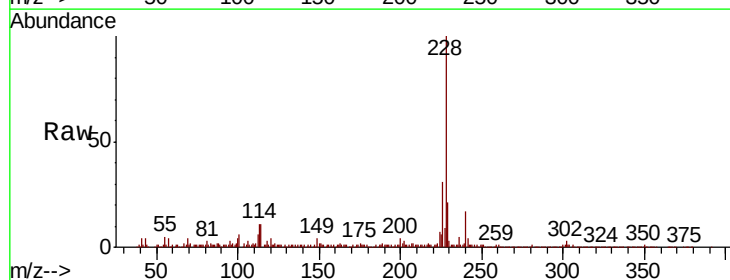
Tgt Ion:228 Resp: 199293

Ion Ratio Lower Upper

228 100

226 30.6 22.9 34.3

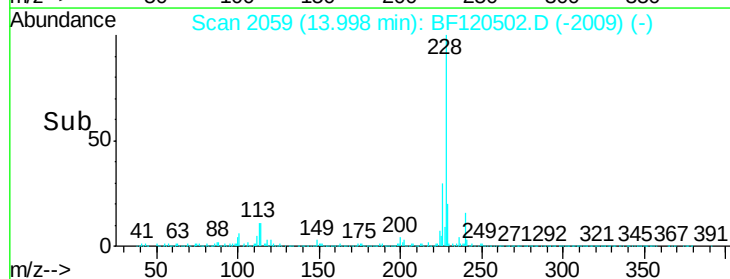
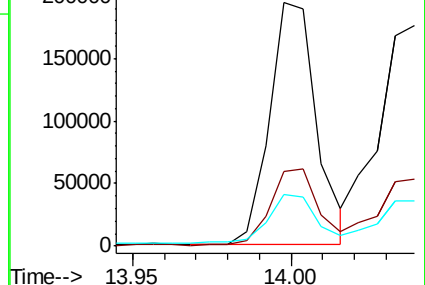
229 21.0 16.3 24.5

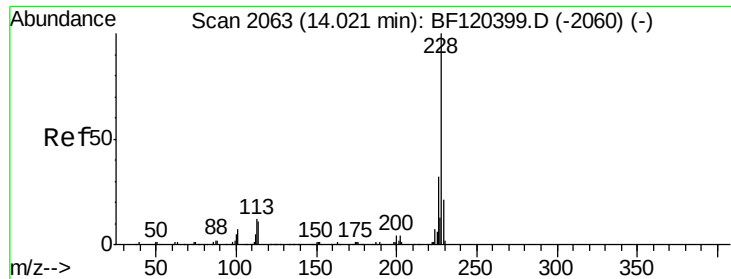


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

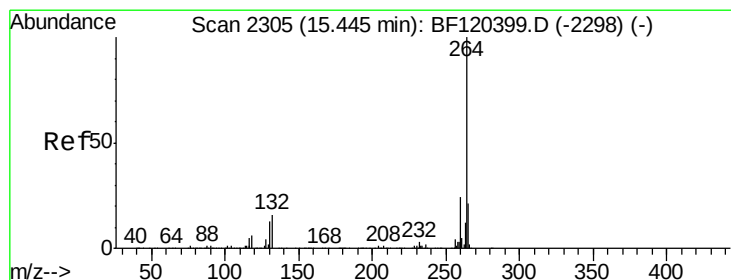
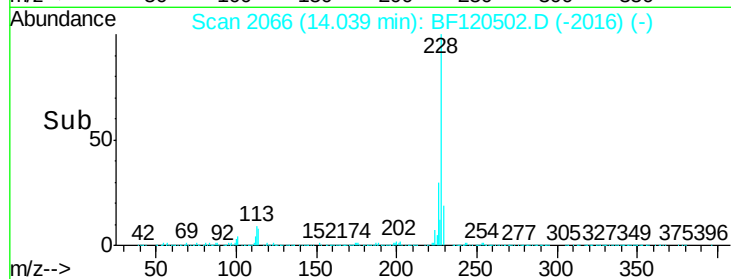
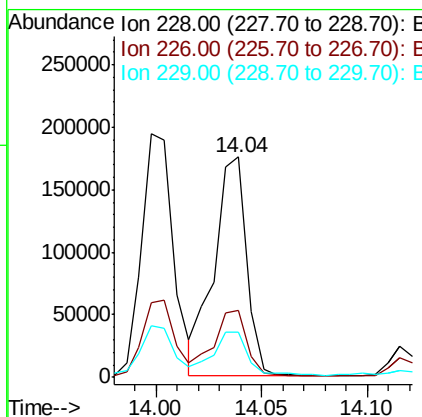
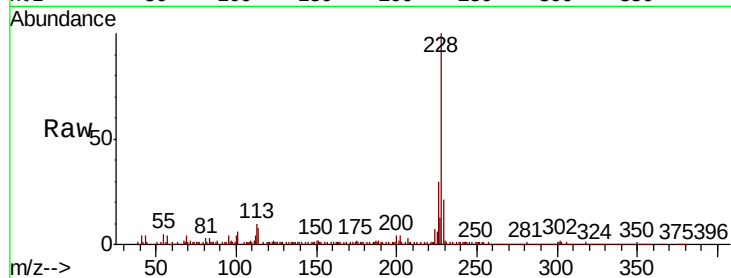




#83
Chrysene
Concen: 9.105 ng
RT: 14.04 min Scan# 2066
Delta R.T. -0.01 min
Lab File: BF120502.D
Acq: 2 Jun 2020 18:35

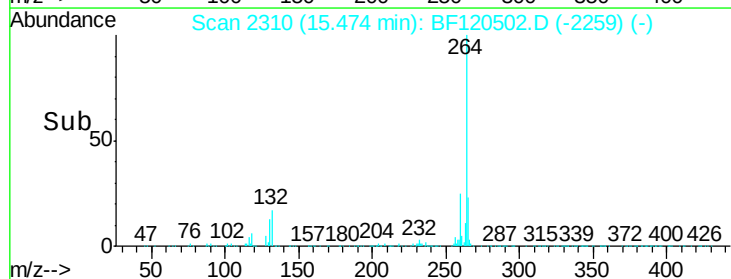
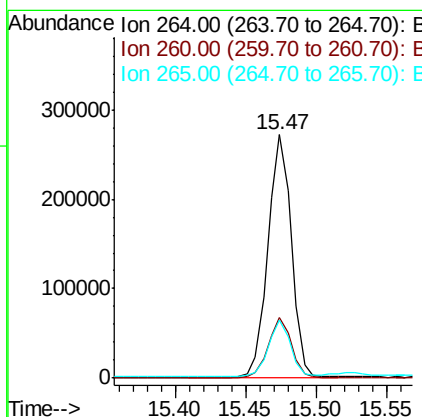
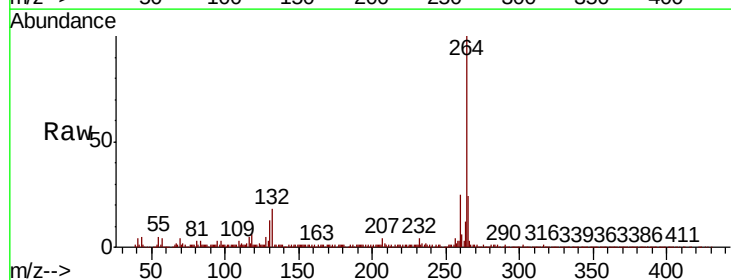
Instrument :
BNA_G
ClientSampleId :

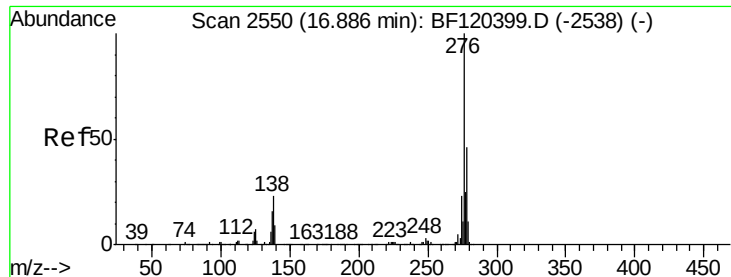
Tot Ion:228 Resp: 188318
Ion Ratio Lower Upper
228 100
226 30.4 25.7 38.5
229 20.6 16.4 24.6



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.47 min Scan# 2310
Delta R.T. -0.00 min
Lab File: BF120502.D
Acq: 2 Jun 2020 18:35

Tgt Ion:264 Resp: 317484
Ion Ratio Lower Upper
264 100
260 24.8 19.5 29.3
265 23.6 17.6 26.4

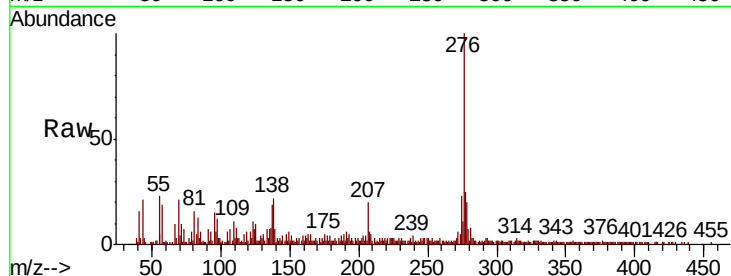




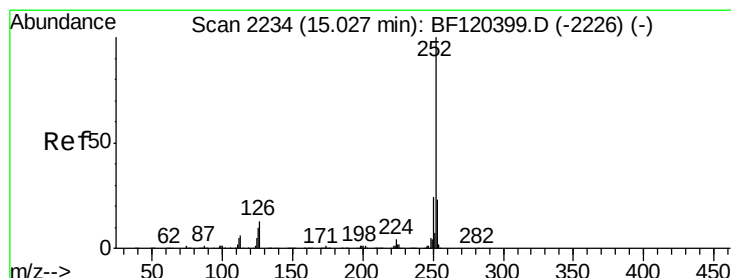
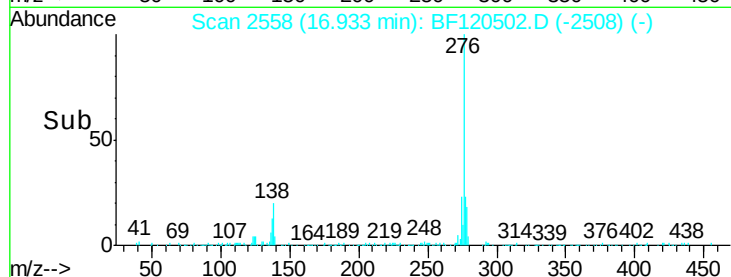
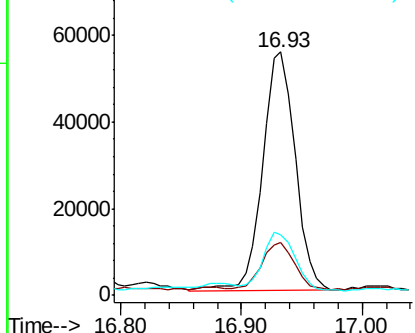
#87
 Indeno(1,2,3-cd)pyrene
 Concen: 5.939 ng
 RT: 16.93 min Scan# 2558
 Delta R.T. -0.01 min
 Lab File: BF120502.D
 Acq: 2 Jun 2020 18:35

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:276 Resp: 103131
 Ion Ratio Lower Upper
 276 100
 138 20.3 19.3 28.9
 277 24.8 20.7 31.1

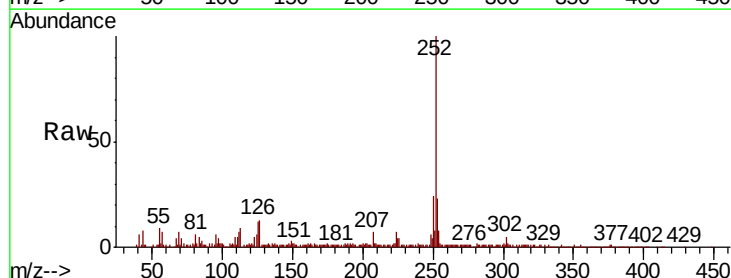


Abundance Ion 276.00 (275.70 to 276.70): E
 Ion 138.00 (137.70 to 138.70): E
 Ion 277.00 (276.70 to 277.70): E

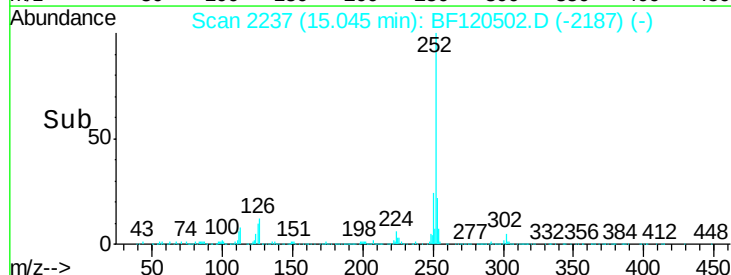
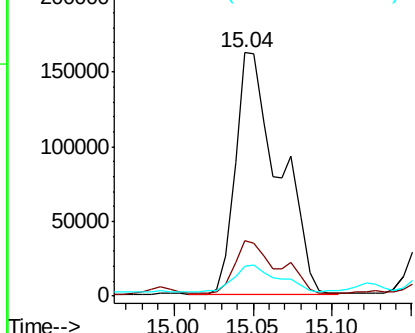


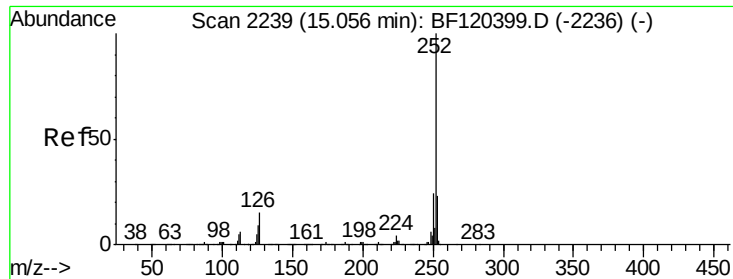
#88
 Benzo(b)fluoranthene
 Concen: 17.478 ng
 RT: 15.04 min Scan# 2237
 Delta R.T. -0.01 min
 Lab File: BF120502.D
 Acq: 2 Jun 2020 18:35

Tgt Ion:252 Resp: 308206
 Ion Ratio Lower Upper
 252 100
 253 23.0 18.2 27.2
 125 12.0 8.2 12.4



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

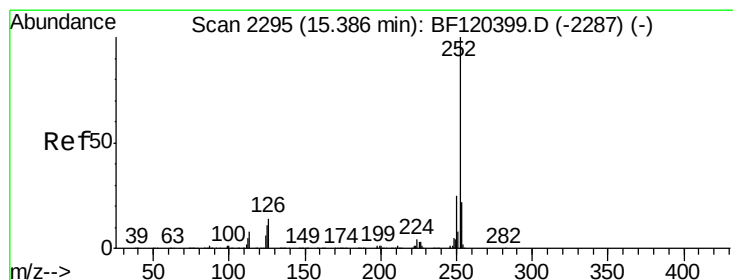
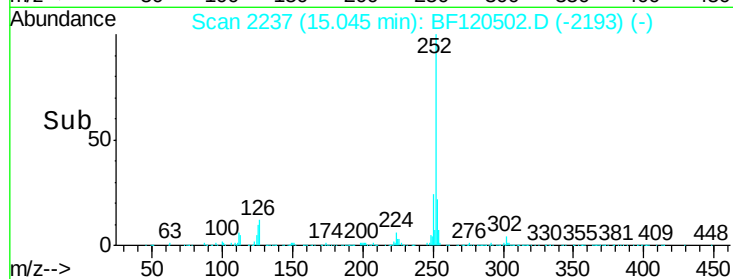
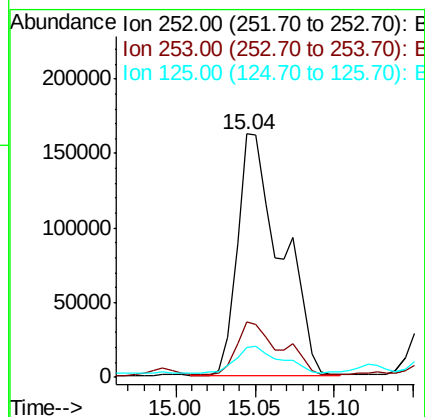
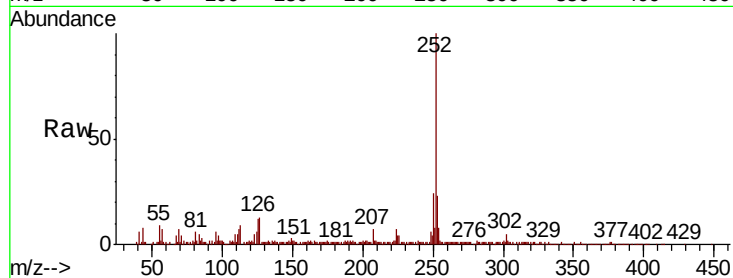




#89
Benzo(k)fluoranthene
Concen: 18.722 ng
RT: 15.04 min Scan# 2237
Delta R.T. -0.04 min
Lab File: BF120502.D
Acq: 2 Jun 2020 18:35

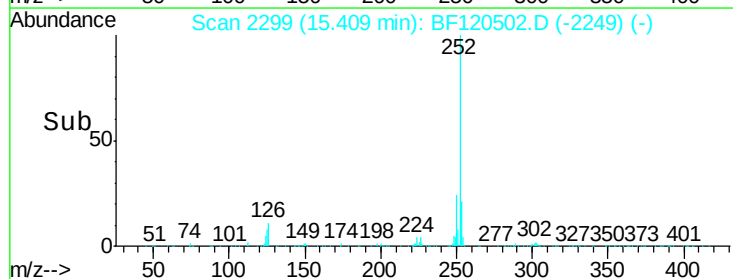
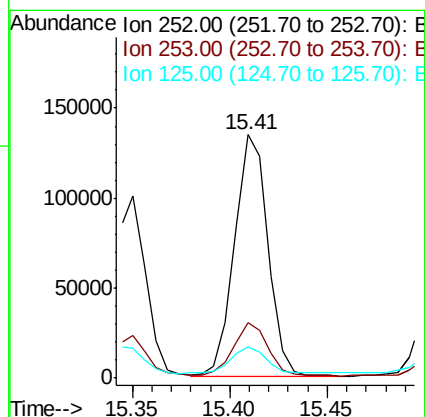
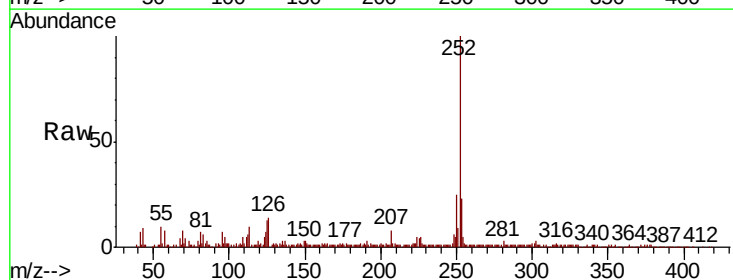
Instrument :
BNA_G
ClientSampleId :

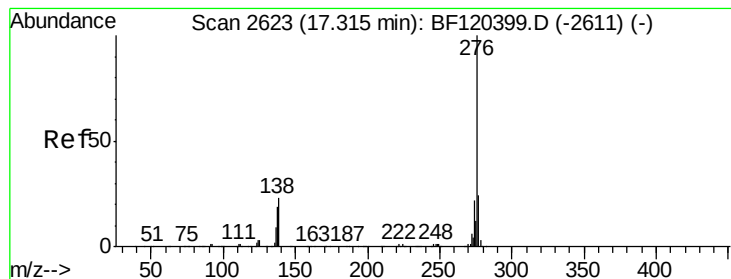
Tot Ion:252 Resp: 308206
Ion Ratio Lower Upper
252 100
253 23.0 17.8 26.6
125 12.0 7.1 10.7#



#90
Benzo(a)pyrene
Concen: 10.295 ng
RT: 15.41 min Scan# 2299
Delta R.T. -0.01 min
Lab File: BF120502.D
Acq: 2 Jun 2020 18:35

Tgt Ion:252 Resp: 158796
Ion Ratio Lower Upper
252 100
253 22.8 17.9 26.9
125 13.0 9.0 13.4





#92

Benzo(a,h,i)perylene

Concen: 6.968 ng

RT: 17.37 min Scan# 2633

Delta R.T. -0.01 min

Lab File: BF120502.D

Acq: 2 Jun 2020 18:35

Instrument :

BNA_G

ClientSampleId :

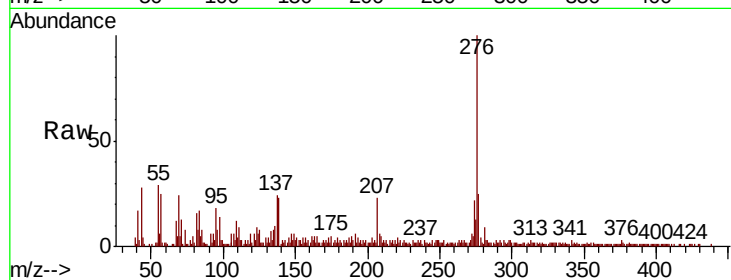
Tot Ion: 276 Resp: 97295

Ion Ratio Lower Upper

276 100

277 25.0 18.8 28.2

138 22.6 16.8 25.2



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

