

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF060420\
 Data File : BF120550.D
 Acq On : 4 Jun 2020 23:01
 Operator : JU/CG
 Sample : L2814-07 5X
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PL-01-060320

Quant Time: Jun 05 00:31:41 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF052820.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jun 04 16:38:34 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.83	152	172093	20.00	ng	0.00
21) Naphthalene-d8	8.11	136	510166	20.00	ng	0.00
39) Acenaphthene-d10	9.87	164	296090	20.00	ng	0.00
64) Phenanthrene-d10	11.36	188	505228	20.00	ng	0.00
76) Chrysene-d12	14.00	240	299099	20.00	ng	0.00
86) Perylene-d12	15.46	264	251591	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.44	112	180389	19.98	ng	0.00
7) Phenol-d6	6.46	99	244863	22.00	ng	-0.01
23) Nitrobenzene-d5	7.38	82	99227	12.72	ng	-0.02
42) 2,4,6-Tribromophenol	10.66	330	51154	18.65	ng	0.00
45) 2-Fluorobiphenyl	9.19	172	219432	12.57	ng	0.00
79) Terphenyl-d14	12.94	244	266696	19.84	ng	0.00

Target Compounds

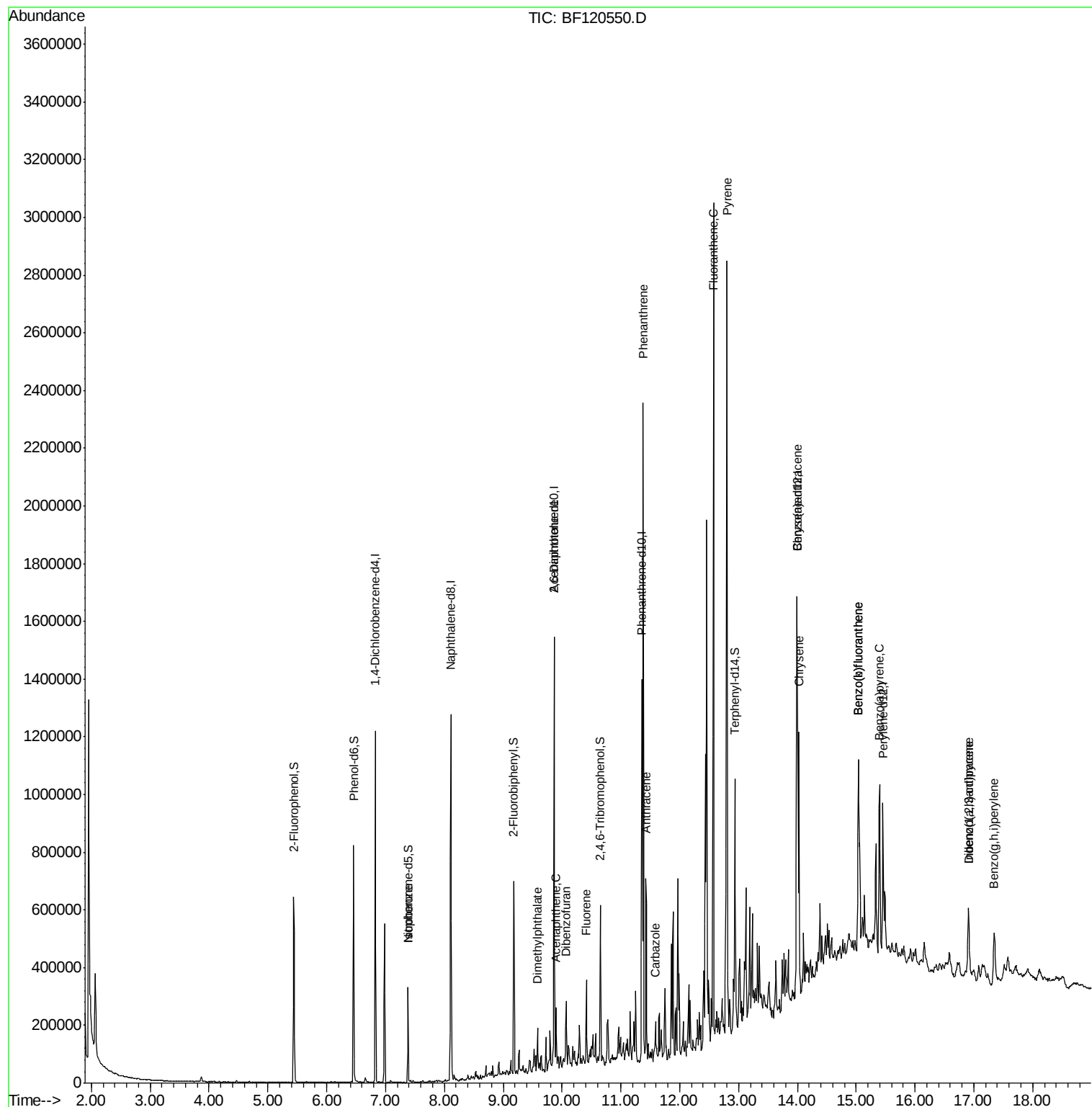
						Qvalue
25) Isophorone	7.38	82	99245	6.331	ng	# 63
50) Dimethylphthalate	9.58	163	40349	2.180	ng	# 99
51) 2,6-Dinitrotoluene	9.87	165	40832	9.926	ng	# 29
52) Acenaphthene	9.90	154	35642	2.307	ng	96
55) Dibenzofuran	10.07	168	58130	2.590	ng	95
58) Fluorene	10.42	166	85589	5.081	ng	99
71) Phenanthrene	11.38	178	786633	35.335	ng	99
72) Anthracene	11.43	178	244063	10.927	ng	97
73) Carbazole	11.59	167	53188	2.462	ng	99
75) Fluoranthene	12.57	202	1182284	49.356	ng	99
78) Pyrene	12.80	202	1146759	55.131	ng	99
81) Benzo(a)anthracene	13.99	228	438156	27.333	ng	98
83) Chrysene	14.03	228	380007	22.612	ng	96
87) Indeno(1,2,3-cd)pyrene	16.91	276	163037	11.848	ng	95
88) Benzo(b)fluoranthene	15.04	252	534816	38.272	ng	98
89) Benzo(k)fluoranthene	15.04	252	534816	40.996	ng	99
90) Benzo(a)pyrene	15.40	252	281740	23.050	ng	98
91) Dibenzo(a,h)anthracene	16.92	278	40959	3.651	ng	# 83
92) Benzo(a,h,i)perylene	17.35	276	151450	13.687	ng	98

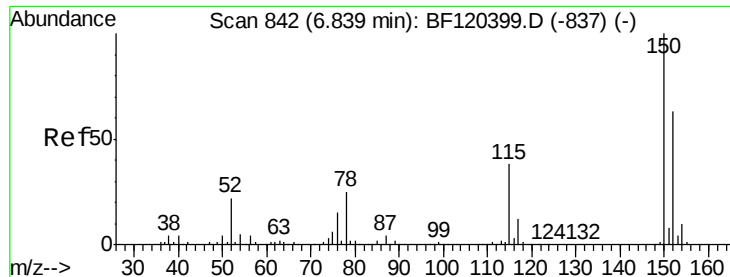
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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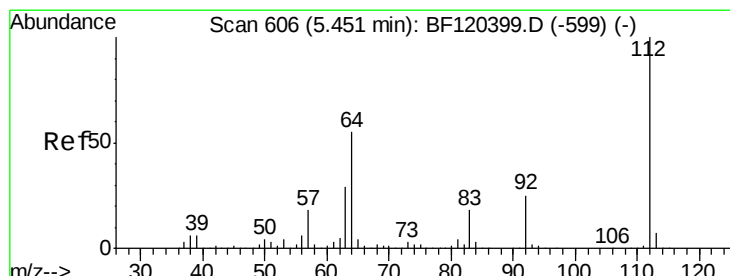
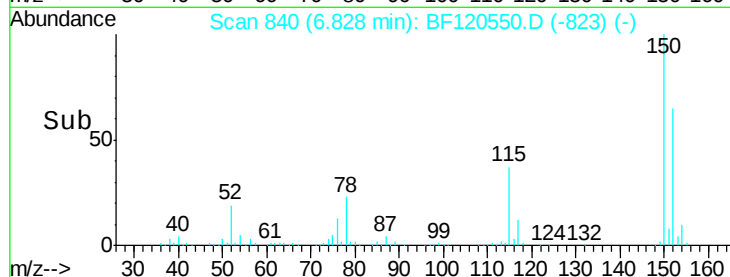
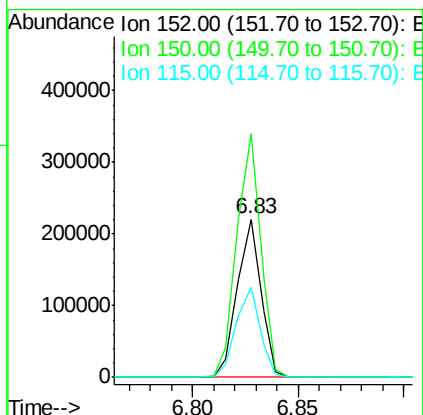
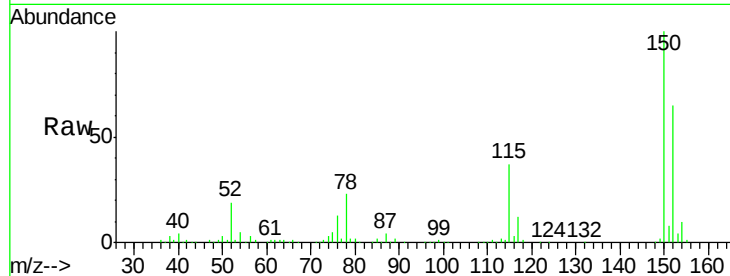


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.83 min Scan# 840
Delta R.T. -0.00 min
Lab File: BF120550.D
Acq: 4 Jun 2020 23:01

Instrument :
BNA_F
ClientSampleId :
PL-01-060320

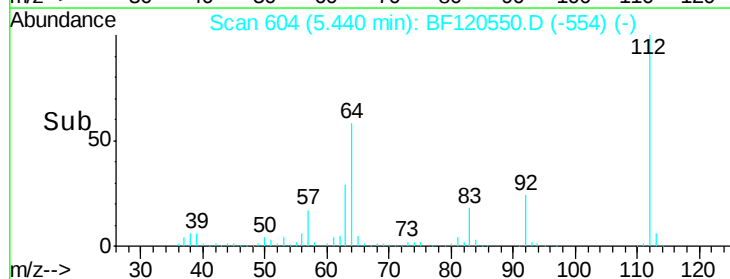
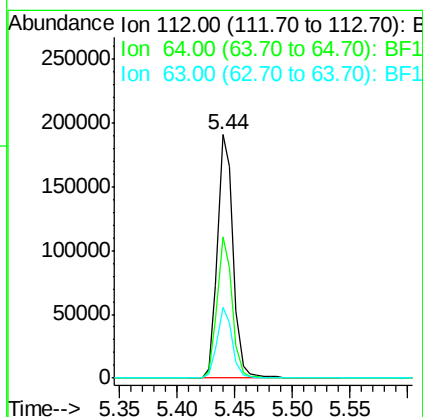
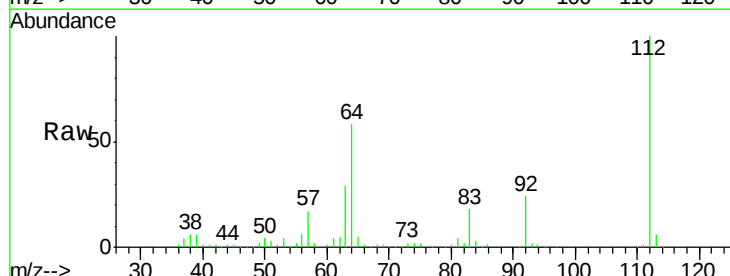
Tot Ion:152 Resp: 172093
Ion Ratio Lower Upper
152 100
150 153.8 126.3 189.5
115 56.5 48.1 72.1

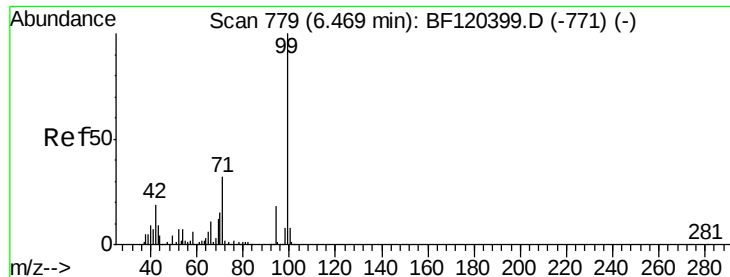


#5

2-Fluorophenol
Concen: 19.976 ng
RT: 5.44 min Scan# 604
Delta R.T. -0.01 min
Lab File: BF120550.D
Acq: 4 Jun 2020 23:01

Tgt Ion:112 Resp: 180389
Ion Ratio Lower Upper
112 100
64 57.9 47.2 70.8
63 28.9 24.7 37.1





#7

Phenol-d6

Concen: 22.000 ng

RT: 6.46 min Scan# 777

Delta R.T. -0.01 min

Lab File: BF120550.D

Acq: 4 Jun 2020 23:01

Instrument :

BNA_F

ClientSampleId :

PL-01-060320

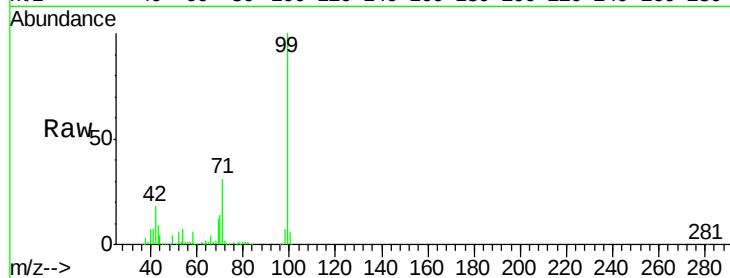
Tot Ion: 99 Resp: 244863

Ion Ratio Lower Upper

99 100

42 18.2 15.0 22.6

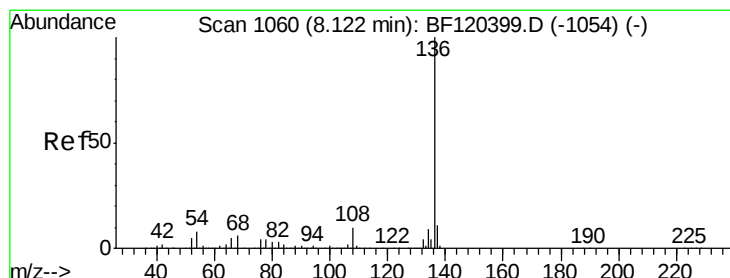
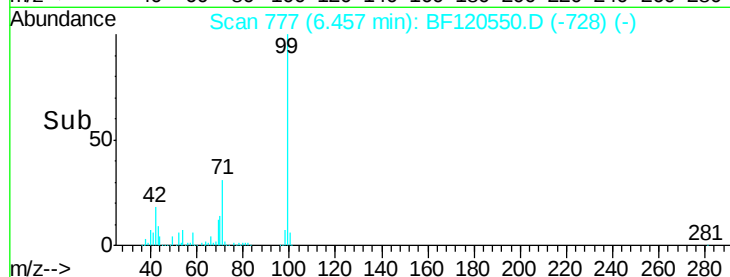
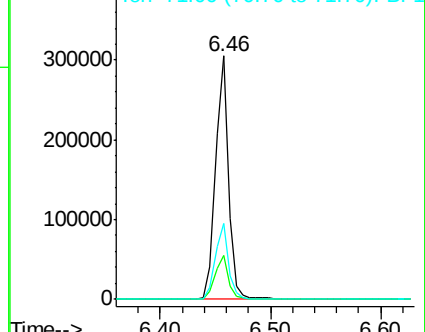
71 31.2 27.0 40.4



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



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.11 min Scan# 1058

Delta R.T. -0.01 min

Lab File: BF120550.D

Acq: 4 Jun 2020 23:01

Tgt Ion: 136 Resp: 510166

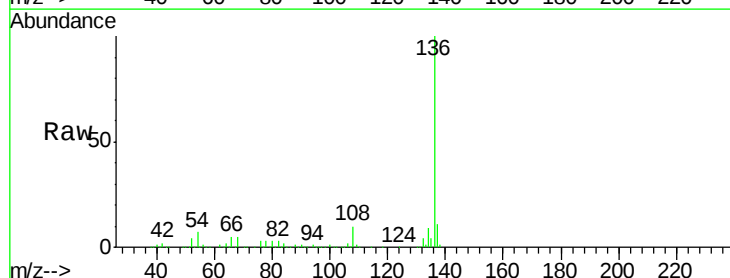
Ion Ratio Lower Upper

136 100

137 11.0 8.8 13.2

54 7.0 5.4 8.0

68 5.2 4.3 6.5

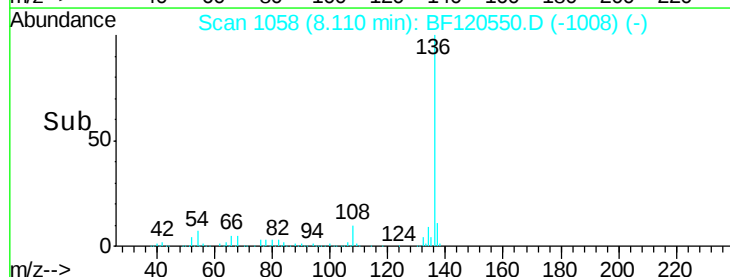
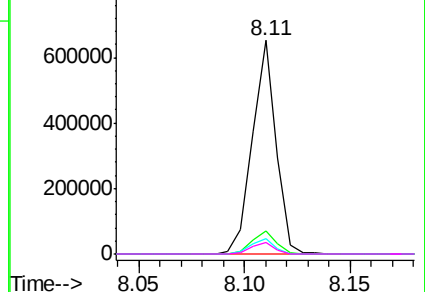


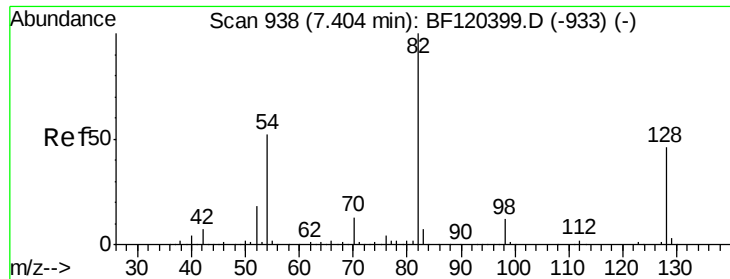
Abundance Ion 136.00 (135.70 to 136.70): E

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

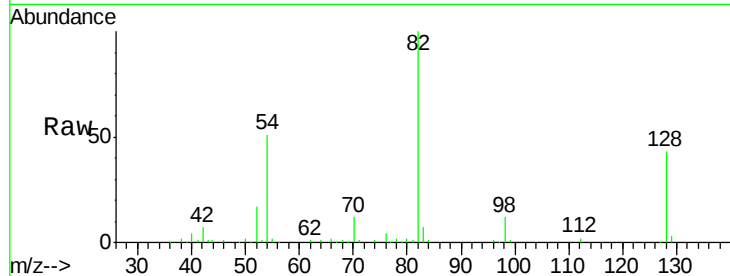




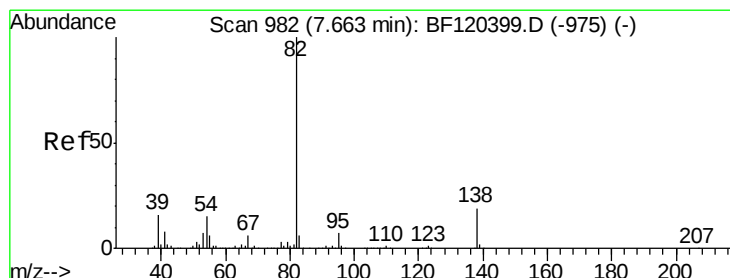
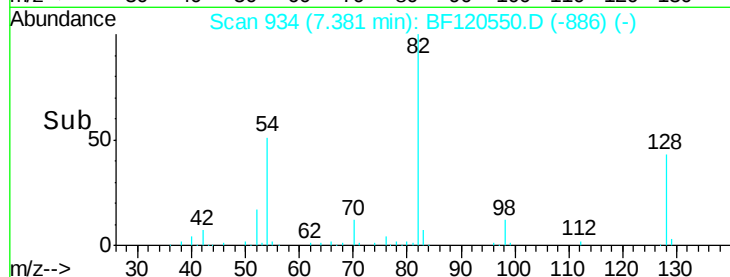
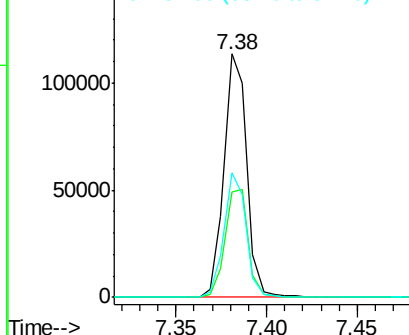
#23
 Nitrobenzene-d5
 Concen: 12.723 ng
 RT: 7.38 min Scan# 934
 Delta R.T. -0.02 min
 Lab File: BF120550.D
 Acq: 4 Jun 2020 23:01

Instrument :
 BNA_F
 ClientSampleId :
 PL-01-060320

Tot Ion	82	Resp	99227
Ion Ratio	Lower	Upper	
82	100		
128	43.4	36.7	55.1
54	51.4	40.0	60.0

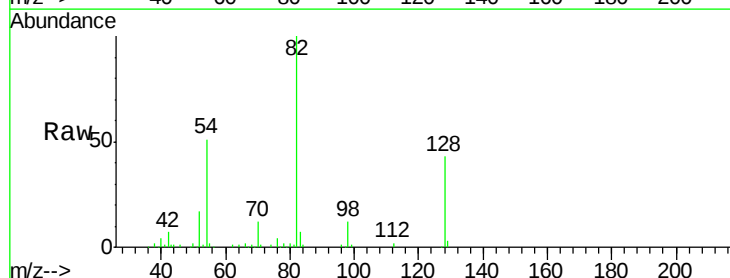


Abundance Ion 82.00 (81.70 to 82.70): BF1
 Ion 128.00 (127.70 to 128.70): BF1
 Ion 54.00 (53.70 to 54.70): BF1

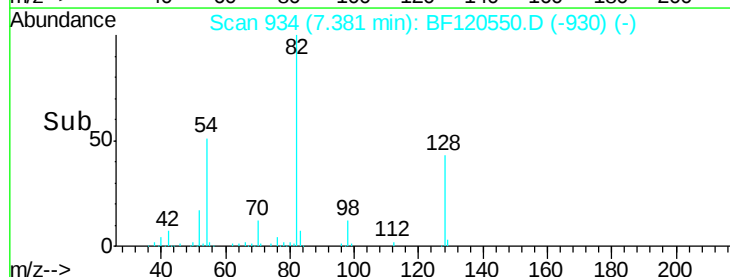
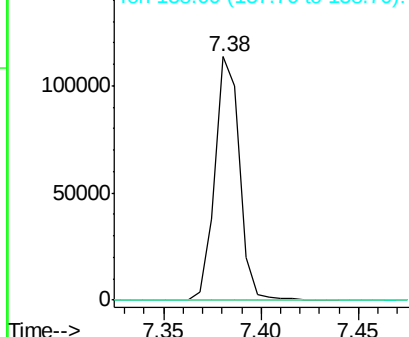


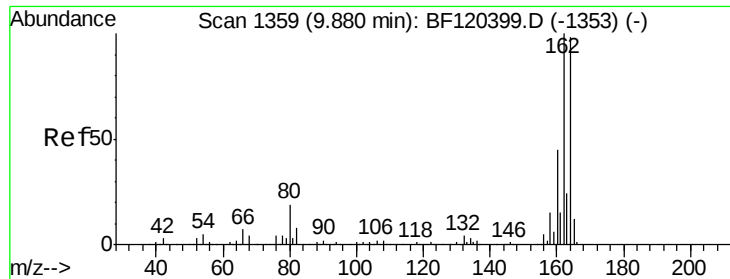
#25
 Isophorone
 Concen: 6.331 ng
 RT: 7.38 min Scan# 934
 Delta R.T. -0.28 min
 Lab File: BF120550.D
 Acq: 4 Jun 2020 23:01

Tgt Ion	82	Resp	99245
Ion Ratio	Lower	Upper	
82	100		
95	0.0	5.8	8.6#
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

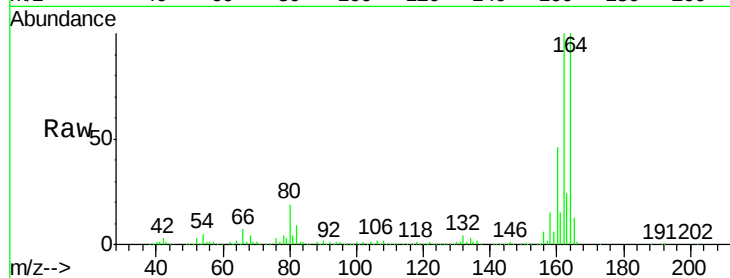




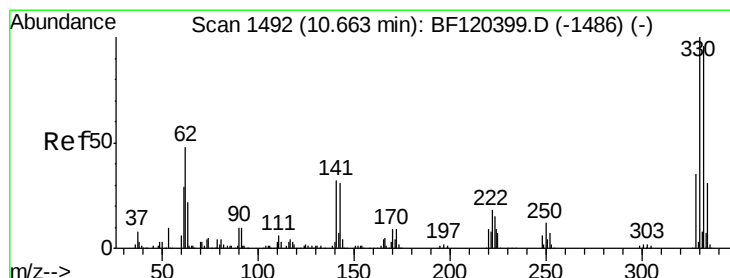
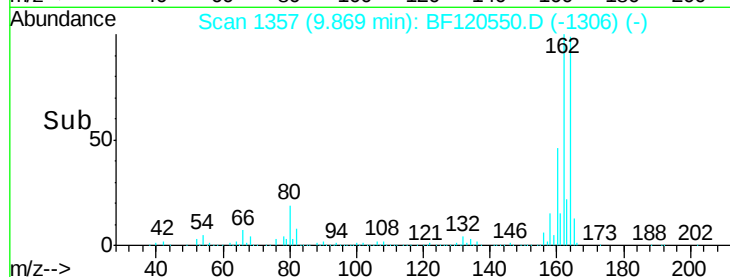
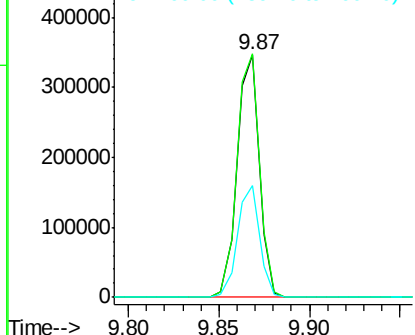
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.87 min Scan# 1357
Delta R.T. -0.00 min
Lab File: BF120550.D
Acq: 4 Jun 2020 23:01

Instrument :
BNA_F
ClientSampleId :
PL-01-060320

Tot Ion:164 Resp: 296090
Ion Ratio Lower Upper
164 100
162 100.4 81.2 121.8
160 45.8 37.0 55.4

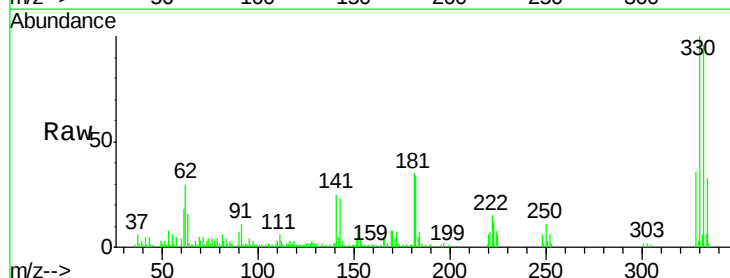


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

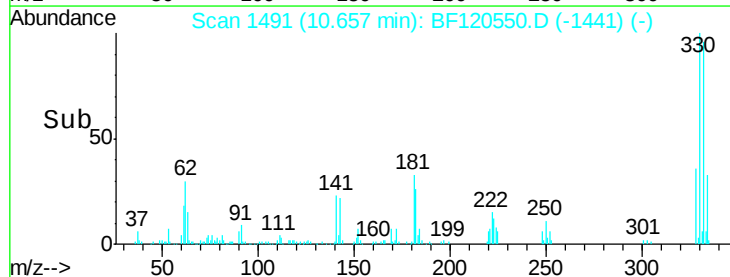
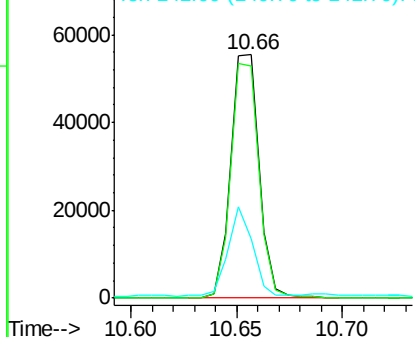


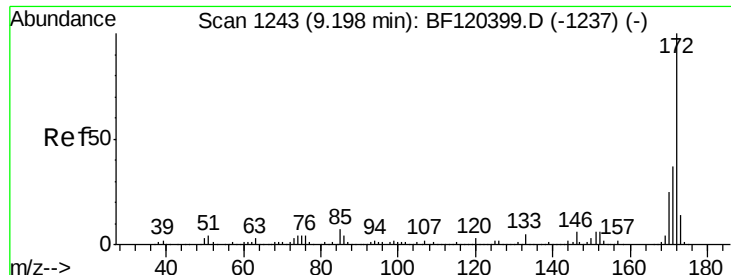
#42
2,4,6-Tribromophenol
Concen: 18.646 ng
RT: 10.66 min Scan# 1491
Delta R.T. -0.01 min
Lab File: BF120550.D
Acq: 4 Jun 2020 23:01

Tgt Ion:330 Resp: 51154
Ion Ratio Lower Upper
330 100
332 96.1 77.0 115.4
141 31.9 23.8 35.8



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

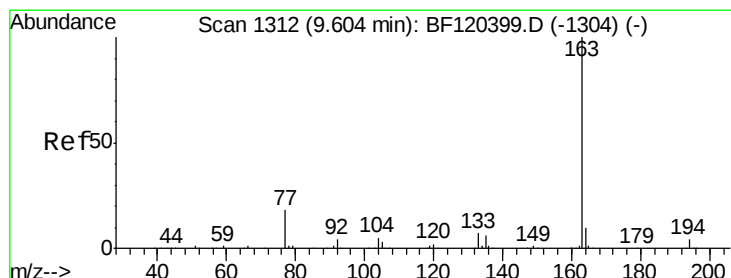
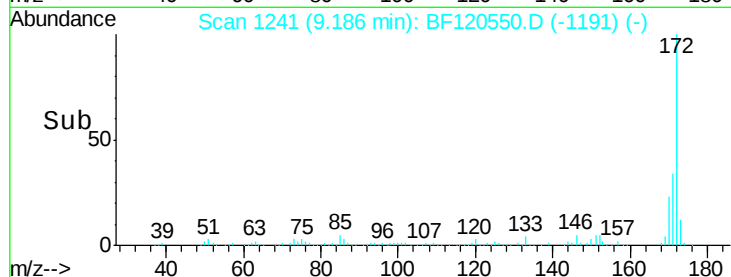
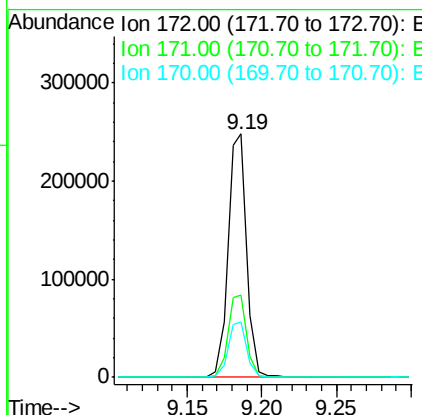
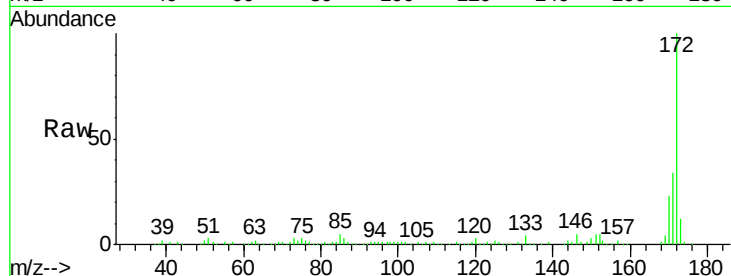




#45
2-Fluorobiphenyl
Concen: 12.574 ng
RT: 9.19 min Scan# 1241
Delta R.T. -0.01 min
Lab File: BF120550.D
Acq: 4 Jun 2020 23:01

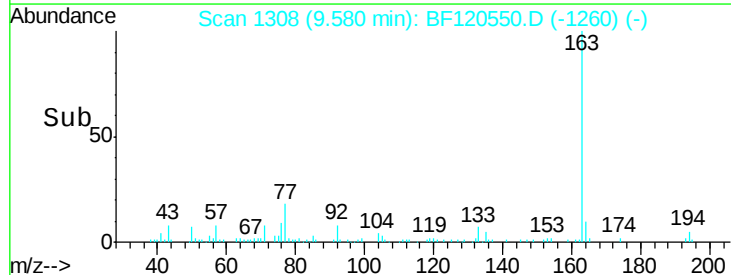
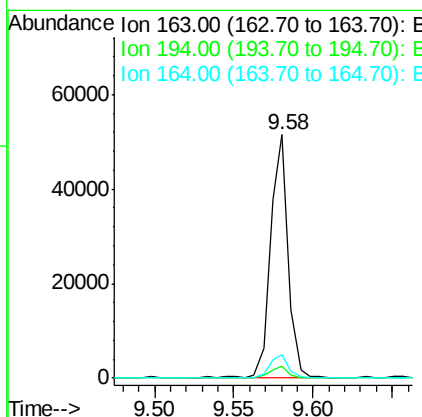
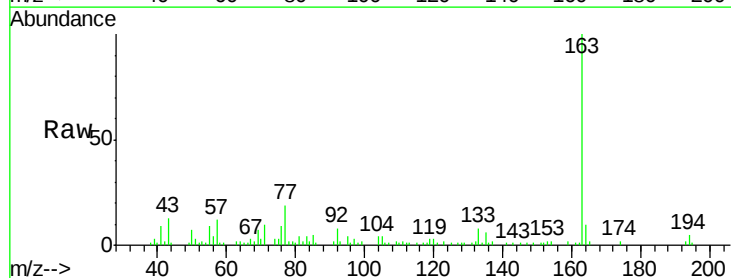
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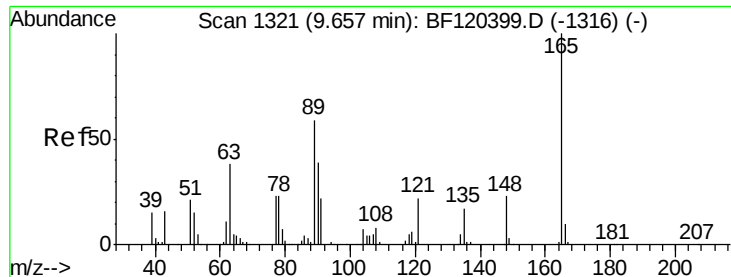
Tot Ion:172 Resp: 219432
Ion Ratio Lower Upper
172 100
171 34.0 29.5 44.3
170 22.9 19.8 29.6



#50
Dimethylphthalate
Concen: 2.180 ng
RT: 9.58 min Scan# 1308
Delta R.T. -0.02 min
Lab File: BF120550.D
Acq: 4 Jun 2020 23:01

Tgt Ion:163 Resp: 40349
Ion Ratio Lower Upper
163 100
194 4.8 3.1 4.7#
164 9.8 8.0 12.0

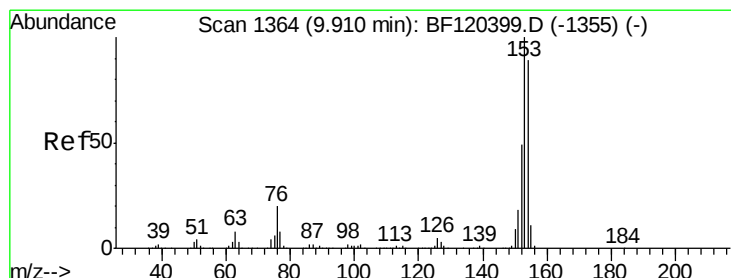
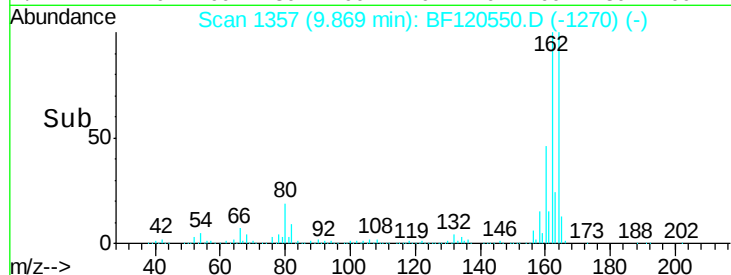
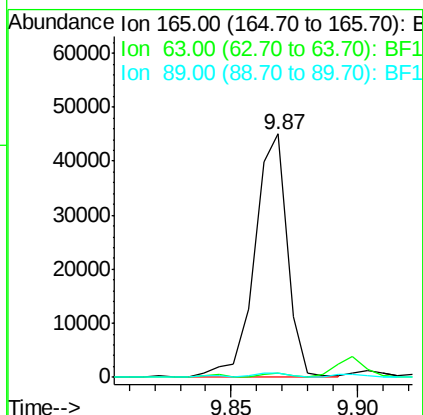
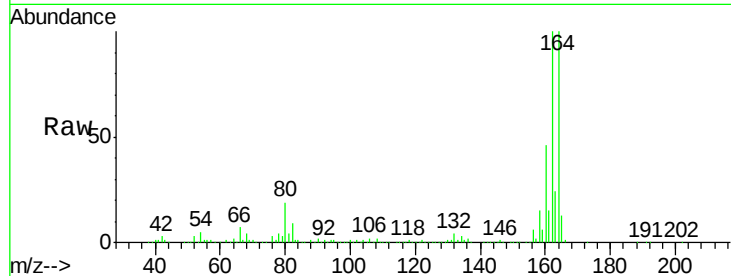




#51
 2,6-Dinitrotoluene
 Concen: 9.926 ng
 RT: 9.87 min Scan# 1357
 Delta R.T. 0.21 min
 Lab File: BF120550.D
 Acq: 4 Jun 2020 23:01

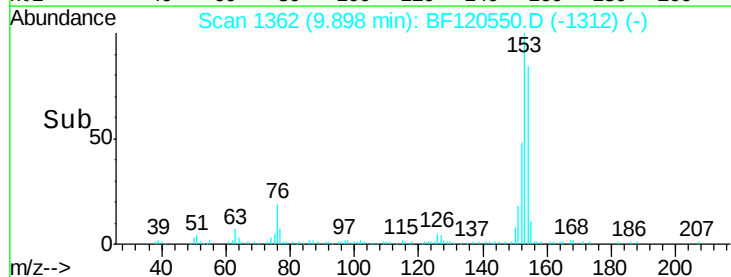
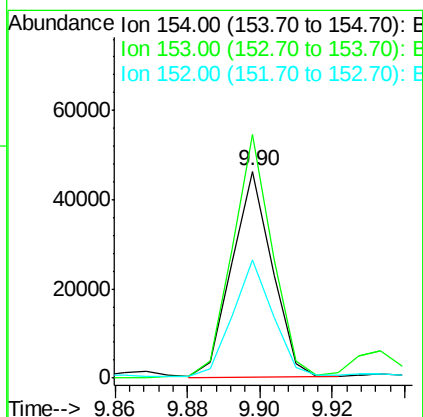
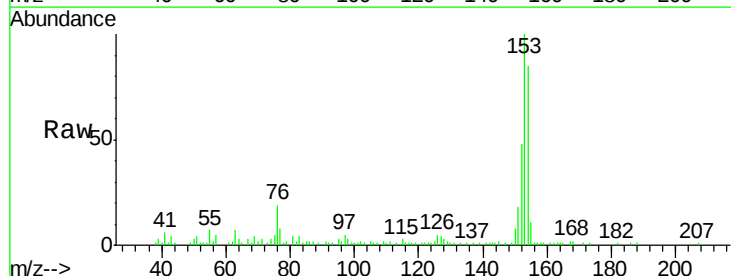
Instrument :
 BNA_F
 ClientSampleId :
 PL-01-060320

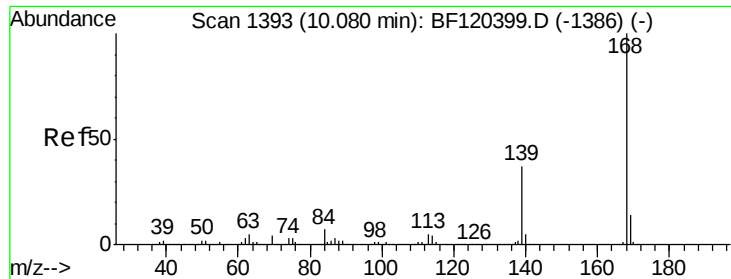
Tot Ion:165 Resp: 40832
 Ion Ratio Lower Upper
 165 100
 63 1.7 39.8 59.8#
 89 1.5 41.0 61.4#



#52
 Acenaphthene
 Concen: 2.307 ng
 RT: 9.90 min Scan# 1362
 Delta R.T. -0.01 min
 Lab File: BF120550.D
 Acq: 4 Jun 2020 23:01

Tgt Ion:154 Resp: 35642
 Ion Ratio Lower Upper
 154 100
 153 117.7 90.1 135.1
 152 56.9 43.7 65.5

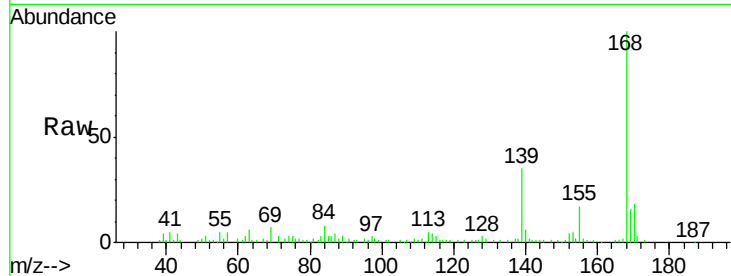




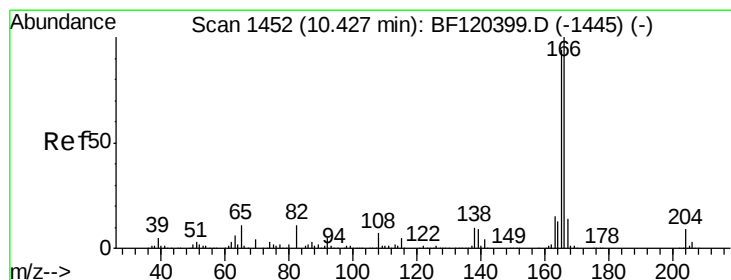
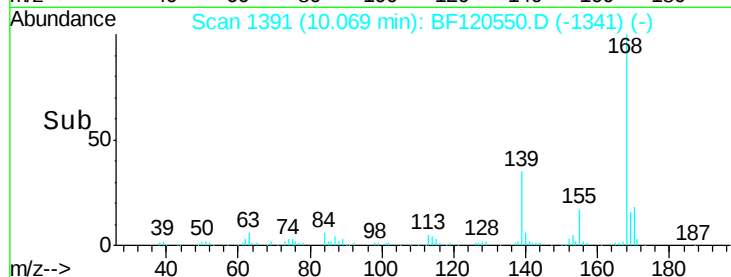
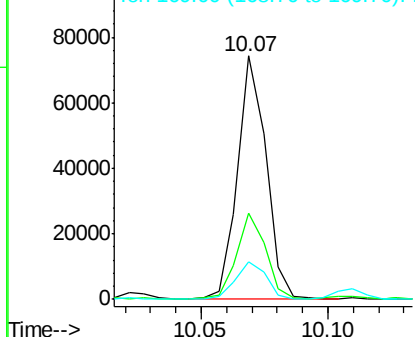
#55
Dibenzenofuran
Concen: 2.590 ng
RT: 10.07 min Scan# 1391
Delta R.T. -0.01 min
Lab File: BF120550.D
Acq: 4 Jun 2020 23:01

Instrument :
BNA_F
ClientSampleId :
PL-01-060320

Tot Ion:168 Resp: 58130
Ion Ratio Lower Upper
168 100
139 35.3 30.5 45.7
169 15.7 11.0 16.6

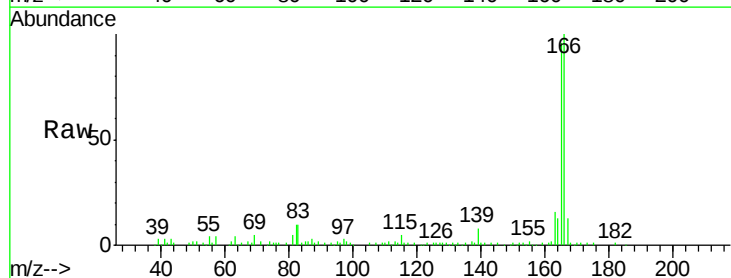


Abundance Ion 168.00 (167.70 to 168.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 169.00 (168.70 to 169.70): E

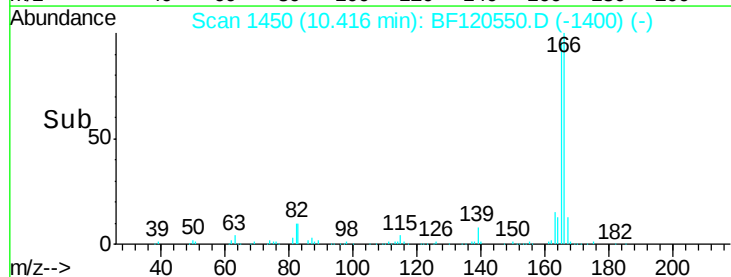
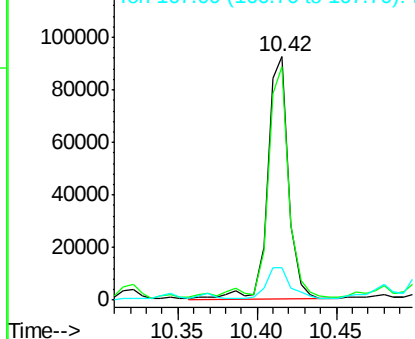


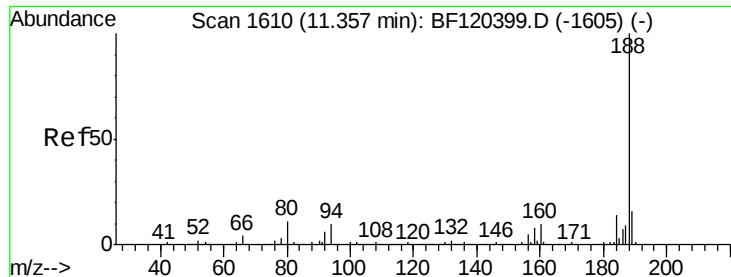
#58
Fluorene
Concen: 5.081 ng
RT: 10.42 min Scan# 1450
Delta R.T. -0.01 min
Lab File: BF120550.D
Acq: 4 Jun 2020 23:01

Tgt Ion:166 Resp: 85589
Ion Ratio Lower Upper
166 100
165 96.0 75.6 113.4
167 13.4 10.9 16.3



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: 11.36 min Scan# 1610

Delta R.T. -0.00 min

Lab File: BF120550.D

Acq: 4 Jun 2020 23:01

Instrument :

BNA_F

ClientSampleId :

PL-01-060320

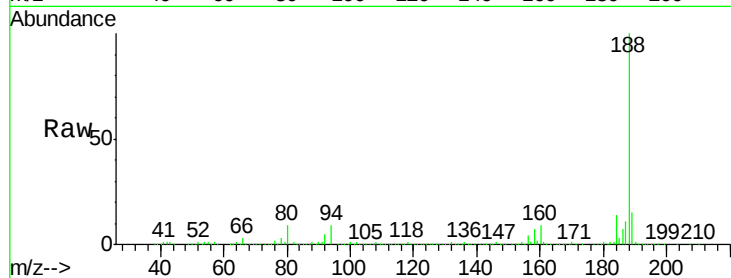
Tot Ion:188 Resp: 505228

Ion Ratio Lower Upper

188 100

94 8.5 7.4 11.2

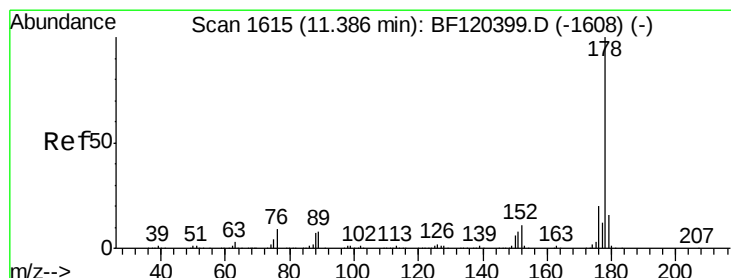
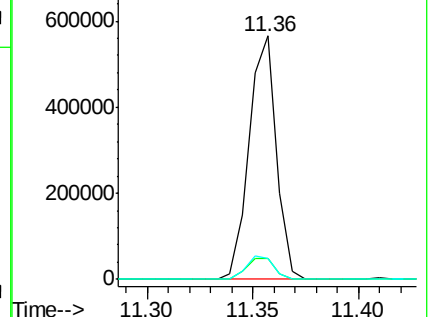
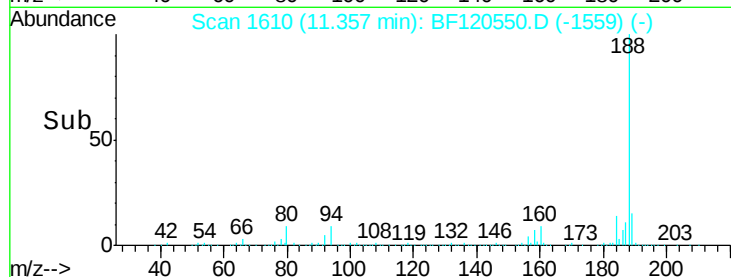
80 8.7 7.6 11.4



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: 35.335 ng

RT: 11.38 min Scan# 1614

Delta R.T. -0.00 min

Lab File: BF120550.D

Acq: 4 Jun 2020 23:01

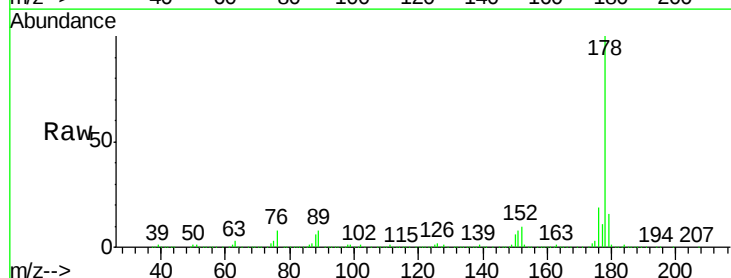
Tgt Ion:178 Resp: 786633

Ion Ratio Lower Upper

178 100

176 19.4 16.2 24.2

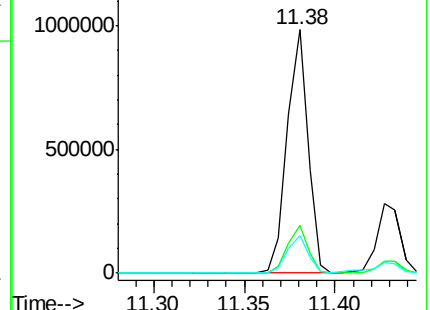
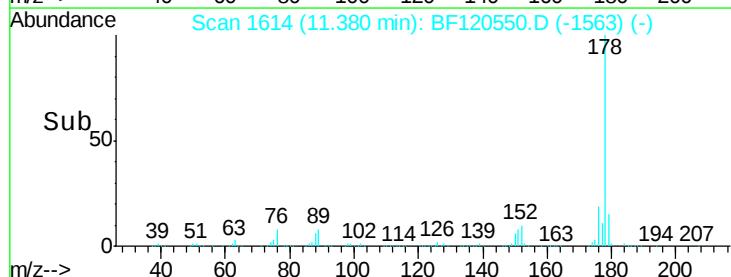
179 15.5 12.8 19.2

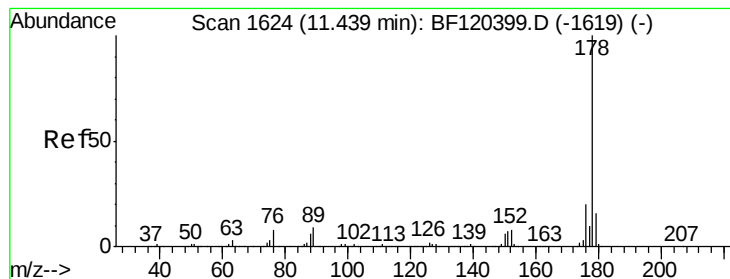


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#72

Anthracene

Concen: 10.927 ng

RT: 11.43 min Scan# 1622

Delta R.T. -0.01 min

Lab File: BF120550.D

Acq: 4 Jun 2020 23:01

Instrument :

BNA_F

ClientSampleId :

PL-01-060320

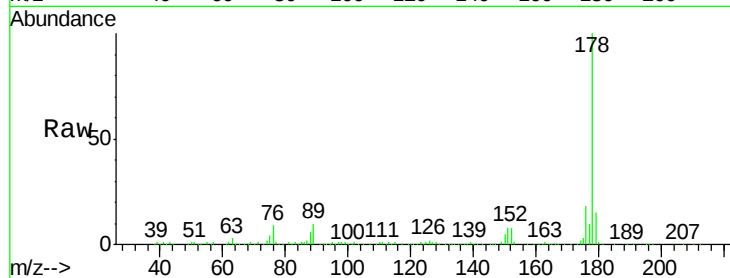
Tot Ion:178 Resp: 244063

Ion Ratio Lower Upper

178 100

176 17.6 15.8 23.6

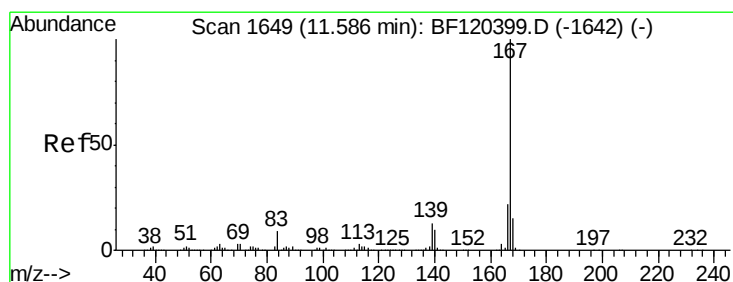
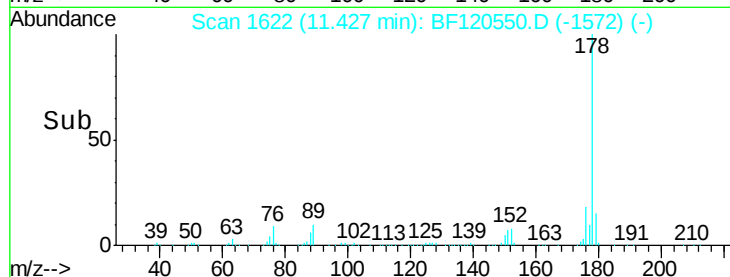
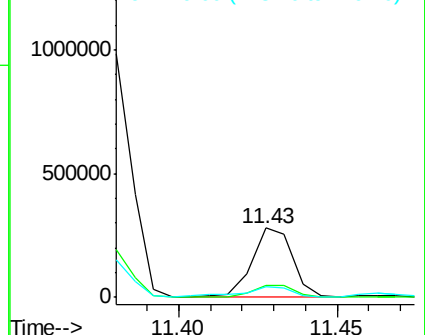
179 15.3 12.9 19.3



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: 2.462 ng

RT: 11.59 min Scan# 1649

Delta R.T. -0.00 min

Lab File: BF120550.D

Acq: 4 Jun 2020 23:01

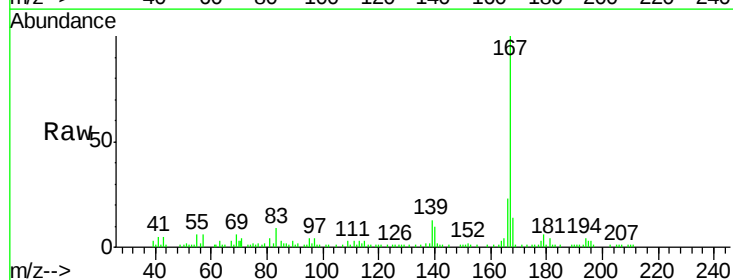
Tgt Ion:167 Resp: 53188

Ion Ratio Lower Upper

167 100

166 22.5 17.4 26.0

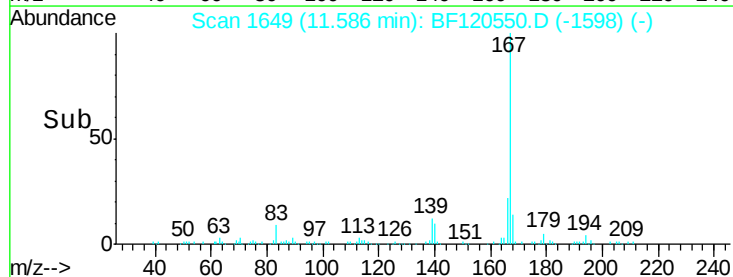
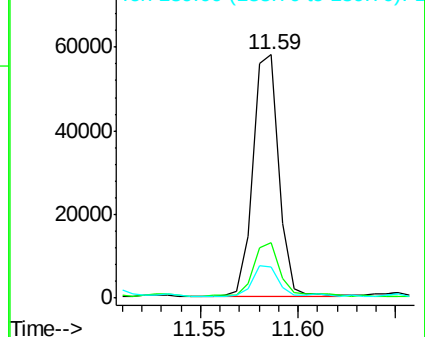
139 13.0 10.3 15.5

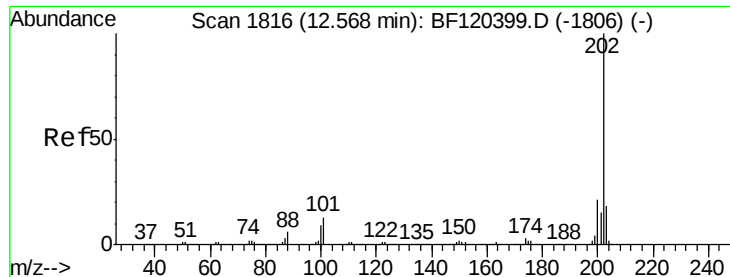


Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E





#75

Fluoranthene

Concen: 49.356 ng

RT: 12.57 min Scan# 1817

Delta R.T. 0.01 min

Lab File: BF120550.D

Acq: 4 Jun 2020 23:01

Instrument :

BNA_F

ClientSampleId :

PL-01-060320

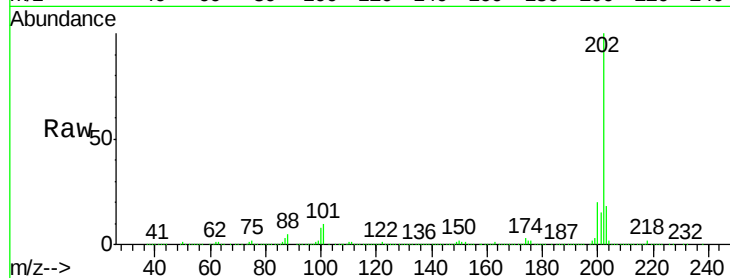
Tot Ion:202 Resp: 1182284

Ion Ratio Lower Upper

202 100

101 10.4 0.0 31.3

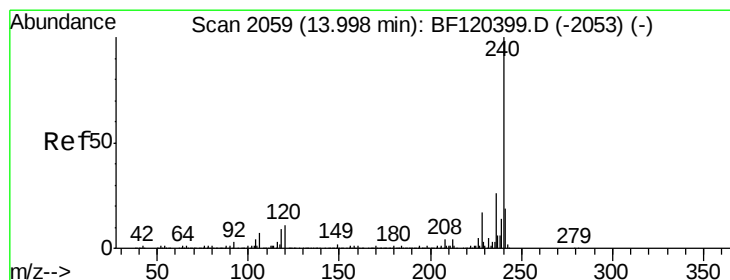
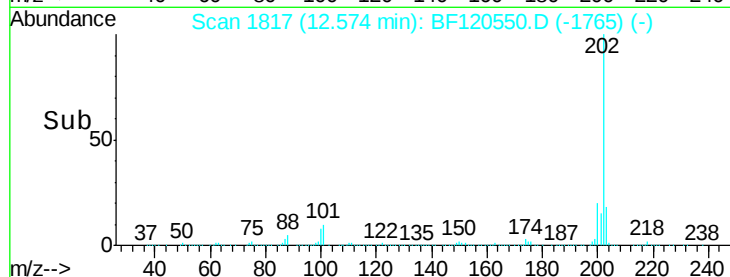
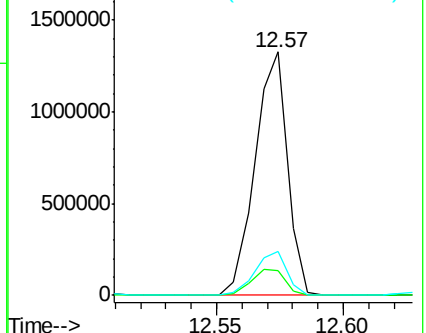
203 18.1 0.0 38.4



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: 14.00 min Scan# 2059

Delta R.T. -0.01 min

Lab File: BF120550.D

Acq: 4 Jun 2020 23:01

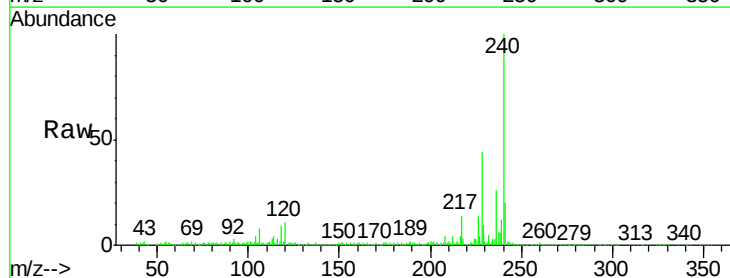
Tgt Ion:240 Resp: 299099

Ion Ratio Lower Upper

240 100

120 10.8 7.7 11.5

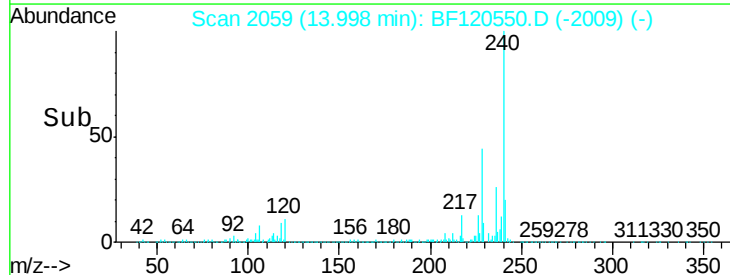
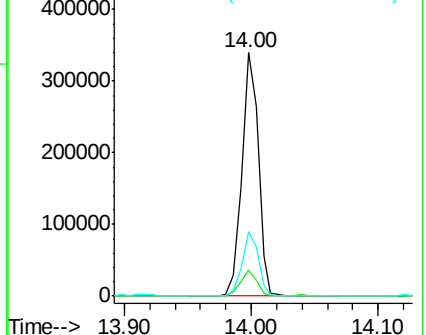
236 26.3 20.8 31.2

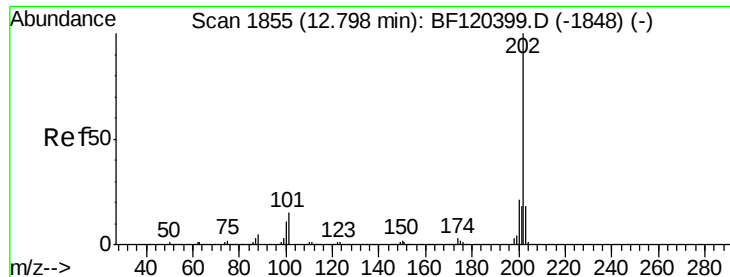


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

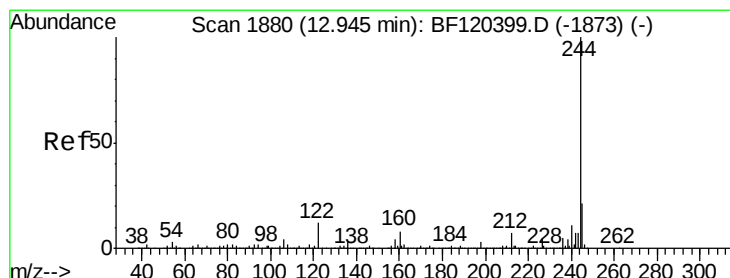
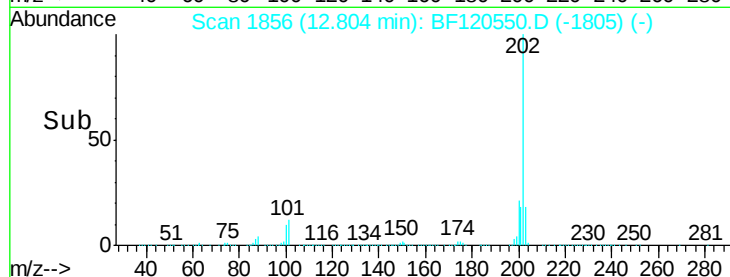
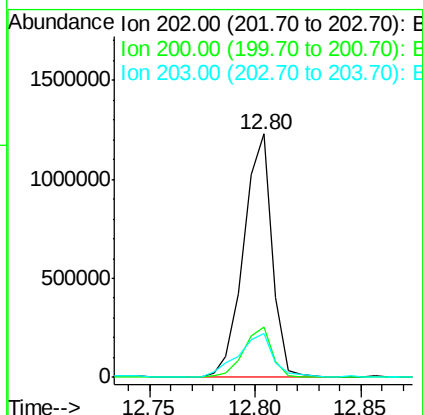
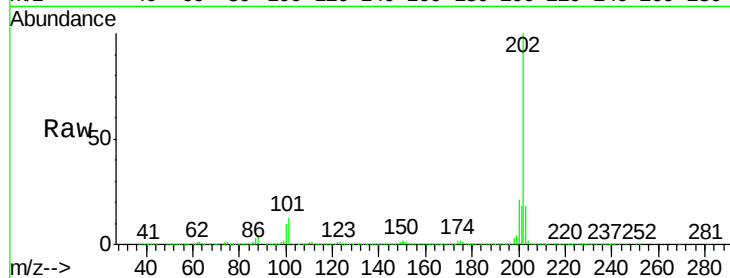




#78
Pvrene
Concen: 55.131 ng
RT: 12.80 min Scan# 1856
Delta R.T. -0.00 min
Lab File: BF120550.D
Acq: 4 Jun 2020 23:01

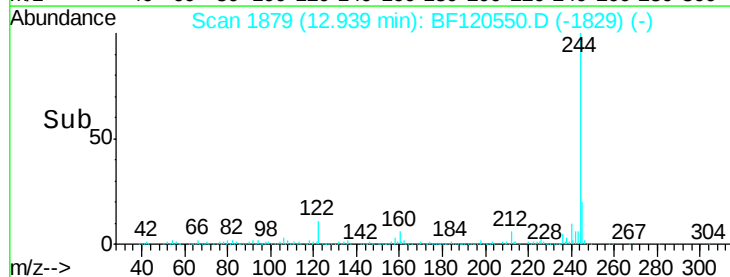
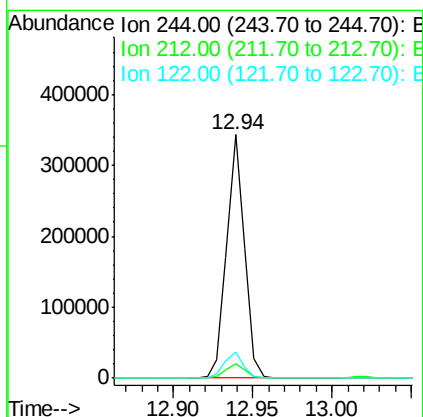
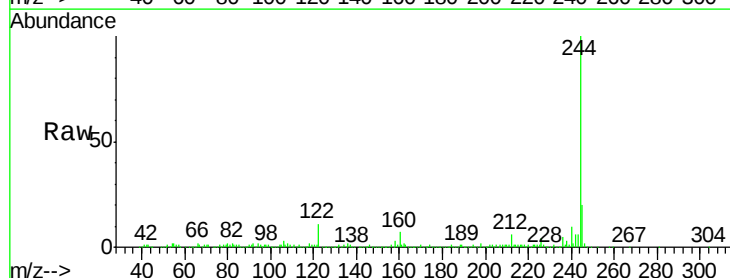
Instrument :
BNA_F
ClientSampleId :
PL-01-060320

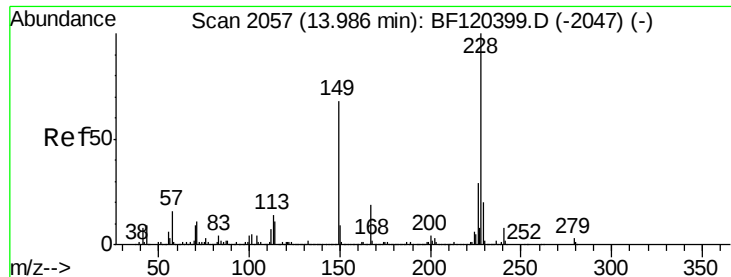
Tot Ion:202 Resp: 1146759
Ion Ratio Lower Upper
202 100
200 20.9 17.0 25.6
203 18.2 14.2 21.2



#79
Terphenyl-d14
Concen: 19.842 ng
RT: 12.94 min Scan# 1879
Delta R.T. -0.01 min
Lab File: BF120550.D
Acq: 4 Jun 2020 23:01

Tgt Ion:244 Resp: 266696
Ion Ratio Lower Upper
244 100
212 6.2 5.7 8.5
122 10.8 8.0 12.0

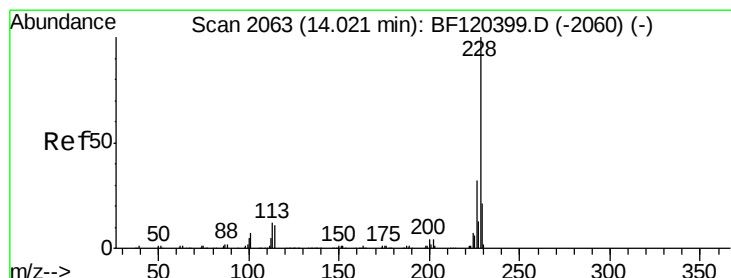
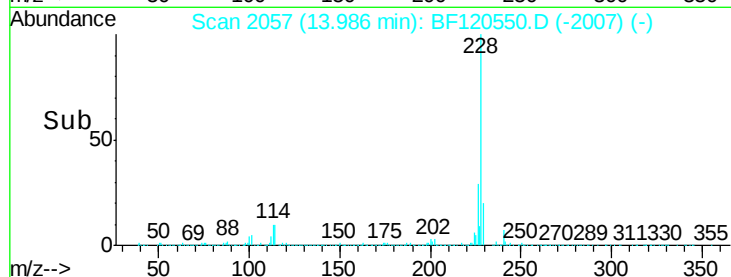
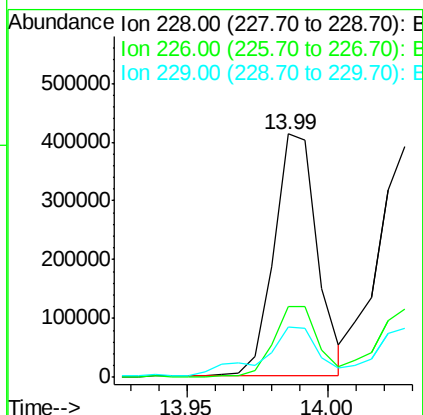
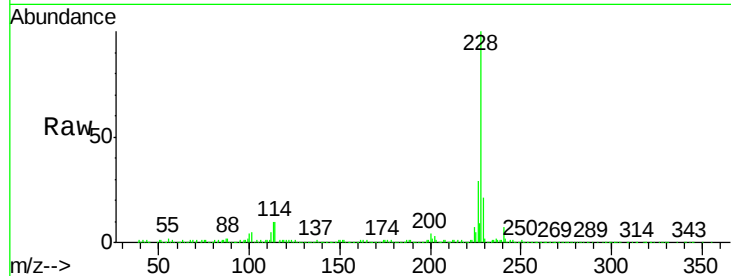




#81
Benzo(a)anthracene
Concen: 27.333 ng
RT: 13.99 min Scan# 2057
Delta R.T. -0.01 min
Lab File: BF120550.D
Acq: 4 Jun 2020 23:01

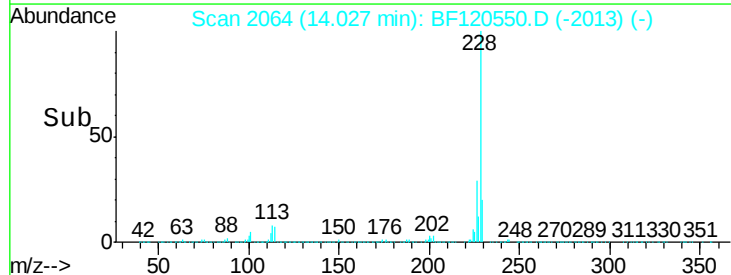
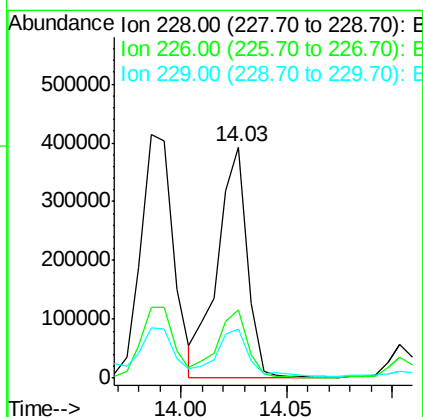
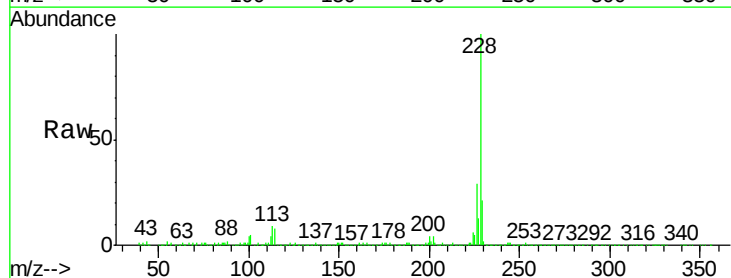
Instrument :
BNA_F
ClientSampleId :
PL-01-060320

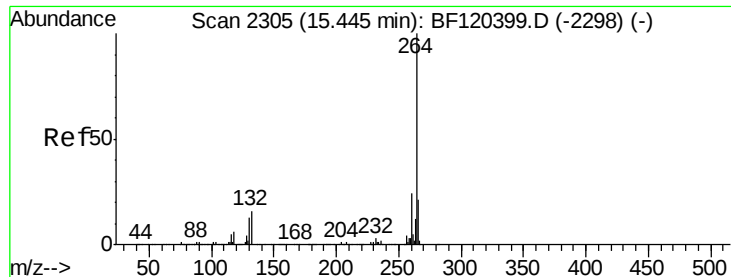
Tot Ion:228 Resp: 438156
Ion Ratio Lower Upper
228 100
226 29.3 22.4 33.6
229 20.9 16.2 24.2



#83
Chrysene
Concen: 22.612 ng
RT: 14.03 min Scan# 2064
Delta R.T. -0.00 min
Lab File: BF120550.D
Acq: 4 Jun 2020 23:01

Tgt Ion:228 Resp: 380007
Ion Ratio Lower Upper
228 100
226 29.3 25.6 38.4
229 21.3 16.2 24.2



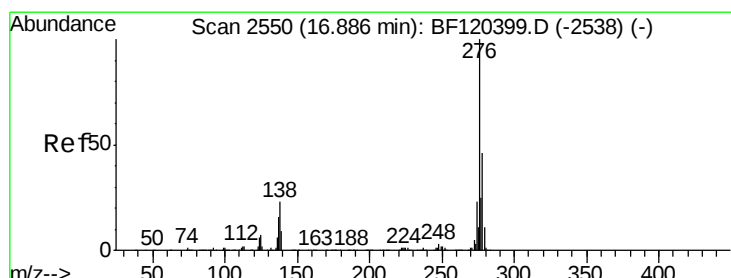
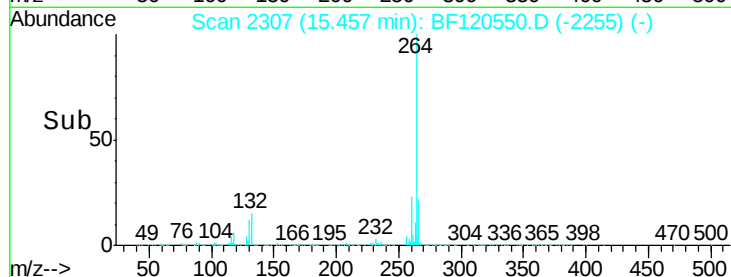
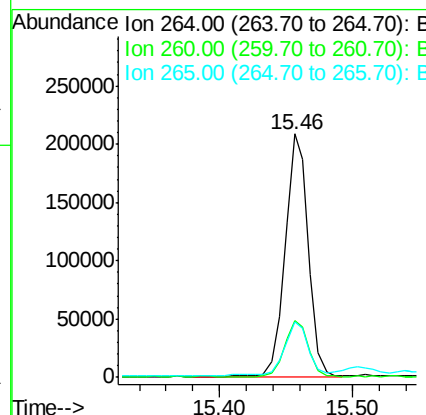
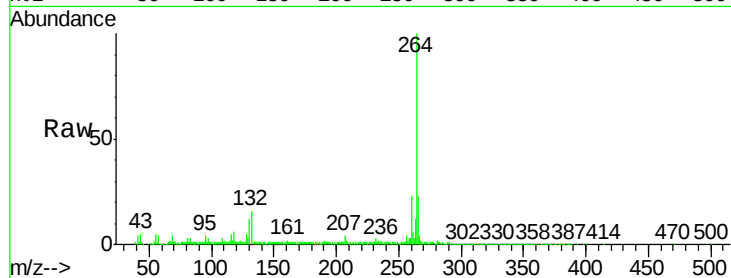


#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.46 min Scan# 2307
Delta R.T. 0.01 min
Lab File: BF120550.D
Acq: 4 Jun 2020 23:01

Instrument :
BNA_F
ClientSampleId :
PL-01-060320

Tot Ion:264 Resp: 251591

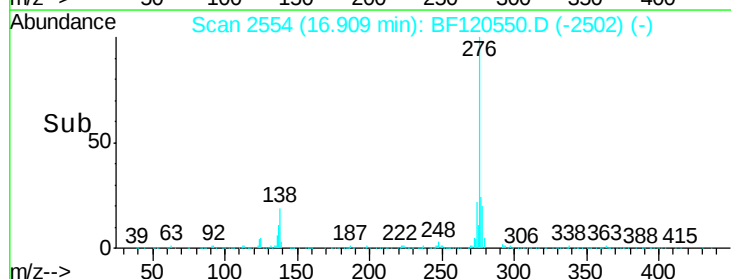
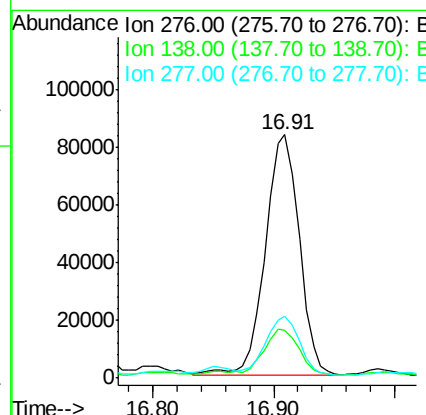
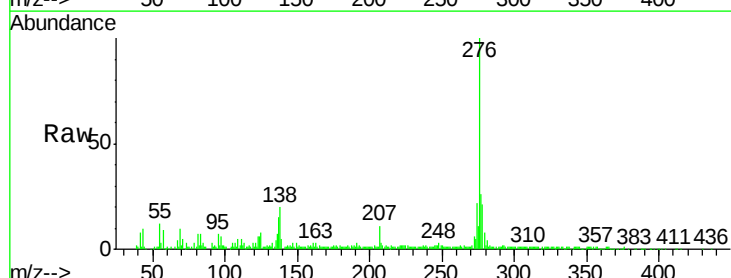
Ion	Ratio	Lower	Upper
264	100		
260	23.4	19.5	29.3
265	22.6	17.5	26.3

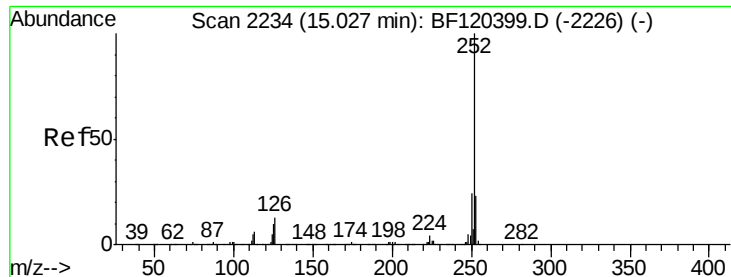


#87
Indeno(1,2,3-cd)pyrene
Concen: 11.848 ng
RT: 16.91 min Scan# 2554
Delta R.T. 0.01 min
Lab File: BF120550.D
Acq: 4 Jun 2020 23:01

Tgt Ion:276 Resp: 163037

Ion	Ratio	Lower	Upper
276	100		
138	19.7	19.2	28.8
277	24.9	20.3	30.5

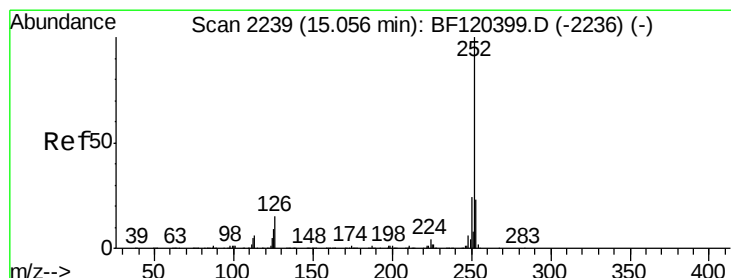
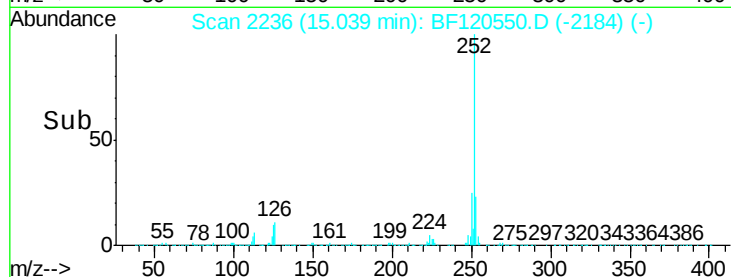
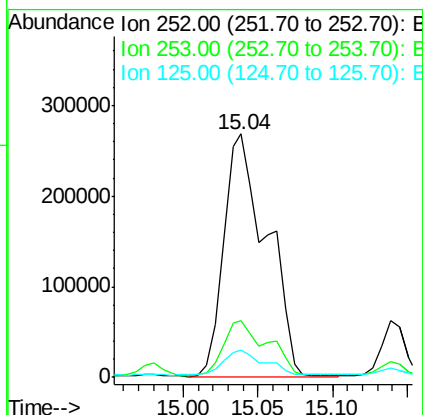
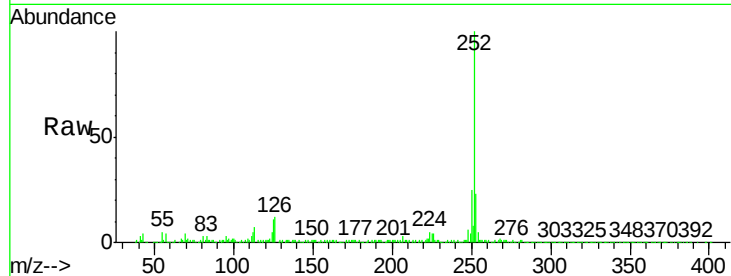




#88
Benzo(b)fluoranthene
Concen: 38.272 ng
RT: 15.04 min Scan# 2236
Delta R.T. 0.01 min
Lab File: BF120550.D
Acq: 4 Jun 2020 23:01

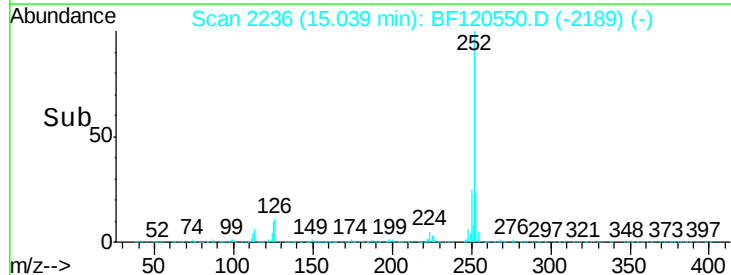
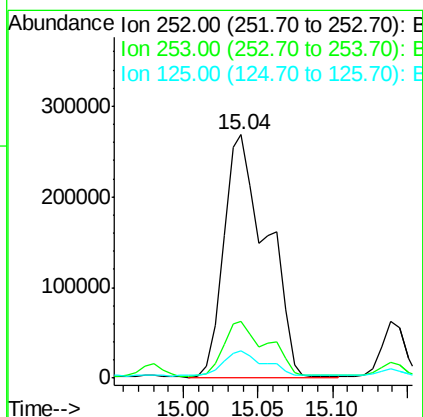
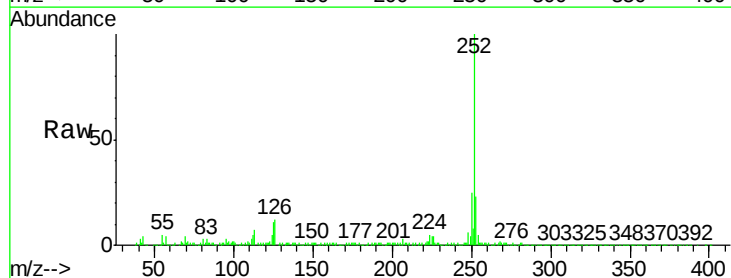
Instrument :
BNA_F
ClientSampleId :
PL-01-060320

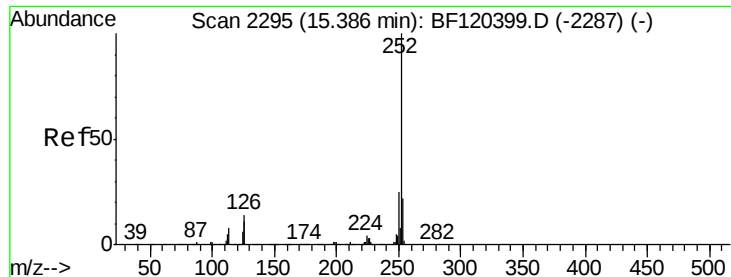
Tot Ion:252 Resp: 534816
Ion Ratio Lower Upper
252 100
253 23.3 18.0 27.0
125 11.4 8.3 12.5



#89
Benzo(k)fluoranthene
Concen: 40.996 ng
RT: 15.04 min Scan# 2236
Delta R.T. -0.02 min
Lab File: BF120550.D
Acq: 4 Jun 2020 23:01

Tgt Ion:252 Resp: 534816
Ion Ratio Lower Upper
252 100
253 23.3 18.4 27.6
125 11.4 8.6 13.0





#90

Benzo(a)pyrene

Concen: 23.050 ng

RT: 15.40 min Scan# 2297

Delta R.T. 0.01 min

Lab File: BF120550.D

Acq: 4 Jun 2020 23:01

Instrument :

BNA_F

ClientSampleId :

PL-01-060320

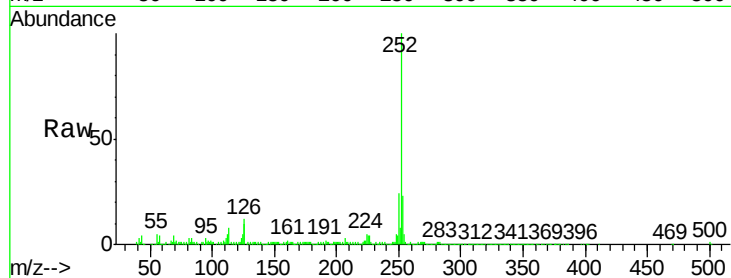
Tot Ion:252 Resp: 281740

Ion Ratio Lower Upper

252 100

253 22.7 18.2 27.2

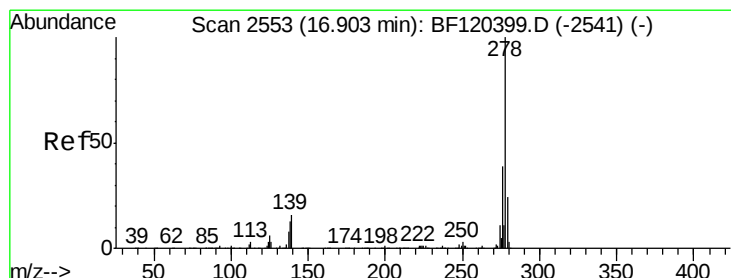
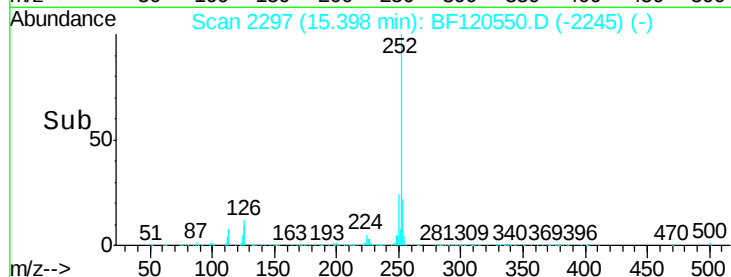
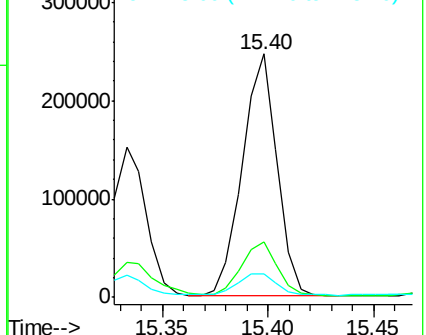
125 9.9 9.6 14.4



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



#91

Dibenzo(a,h)anthracene

Concen: 3.651 ng

RT: 16.92 min Scan# 2555

Delta R.T. -0.01 min

Lab File: BF120550.D

Acq: 4 Jun 2020 23:01

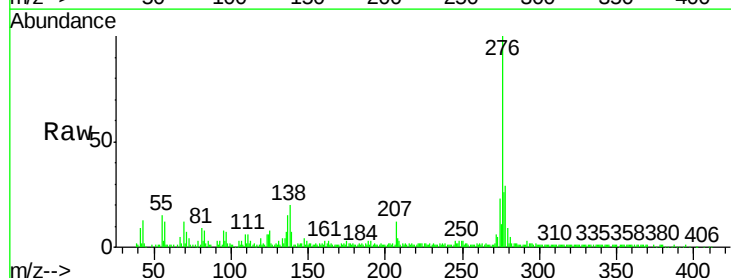
Tgt Ion:278 Resp: 40959

Ion Ratio Lower Upper

278 100

139 23.3 12.4 18.6#

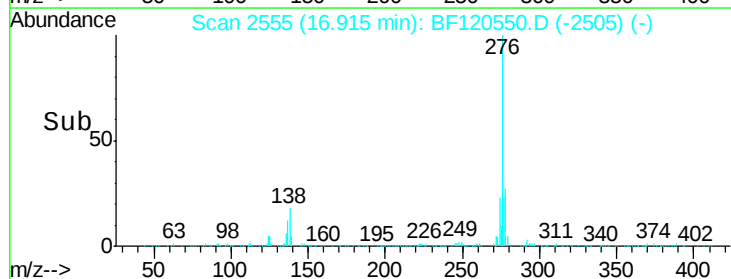
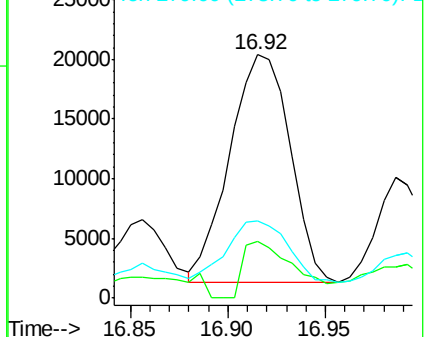
279 31.7 19.4 29.0#

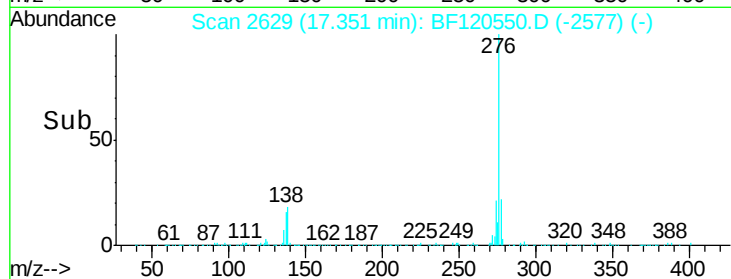
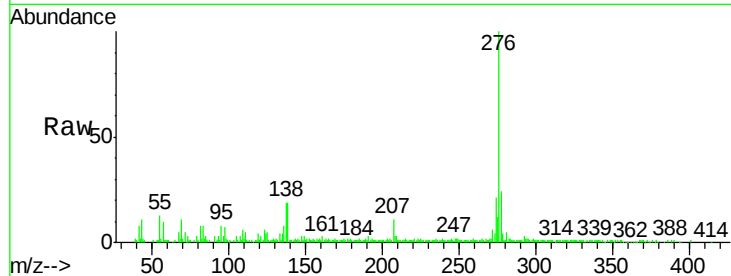
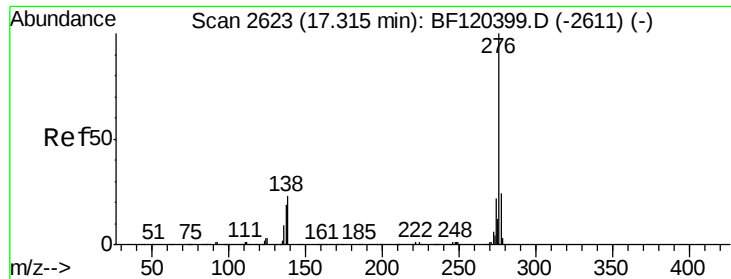


Abundance Ion 278.00 (277.70 to 278.70): E

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: 13.687 ng

RT: 17.35 min Scan# 2629

Delta R.T. 0.01 min

Lab File: BF120550.D

Acq: 4 Jun 2020 23:01

Instrument :

BNA_F

ClientSampleId :

PL-01-060320

Tot Ion:276 Resp: 151450

Ion Ratio Lower Upper

276 100

277 23.6 19.3 28.9

138 19.3 16.9 25.3

