

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF060520\
 Data File : BF120555.D
 Acq On : 5 Jun 2020 13:10
 Operator : JU/CG
 Sample : L2839-17RE
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 NM108-2-COMP-2020-0-6

Quant Time: Jun 05 15:34:04 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

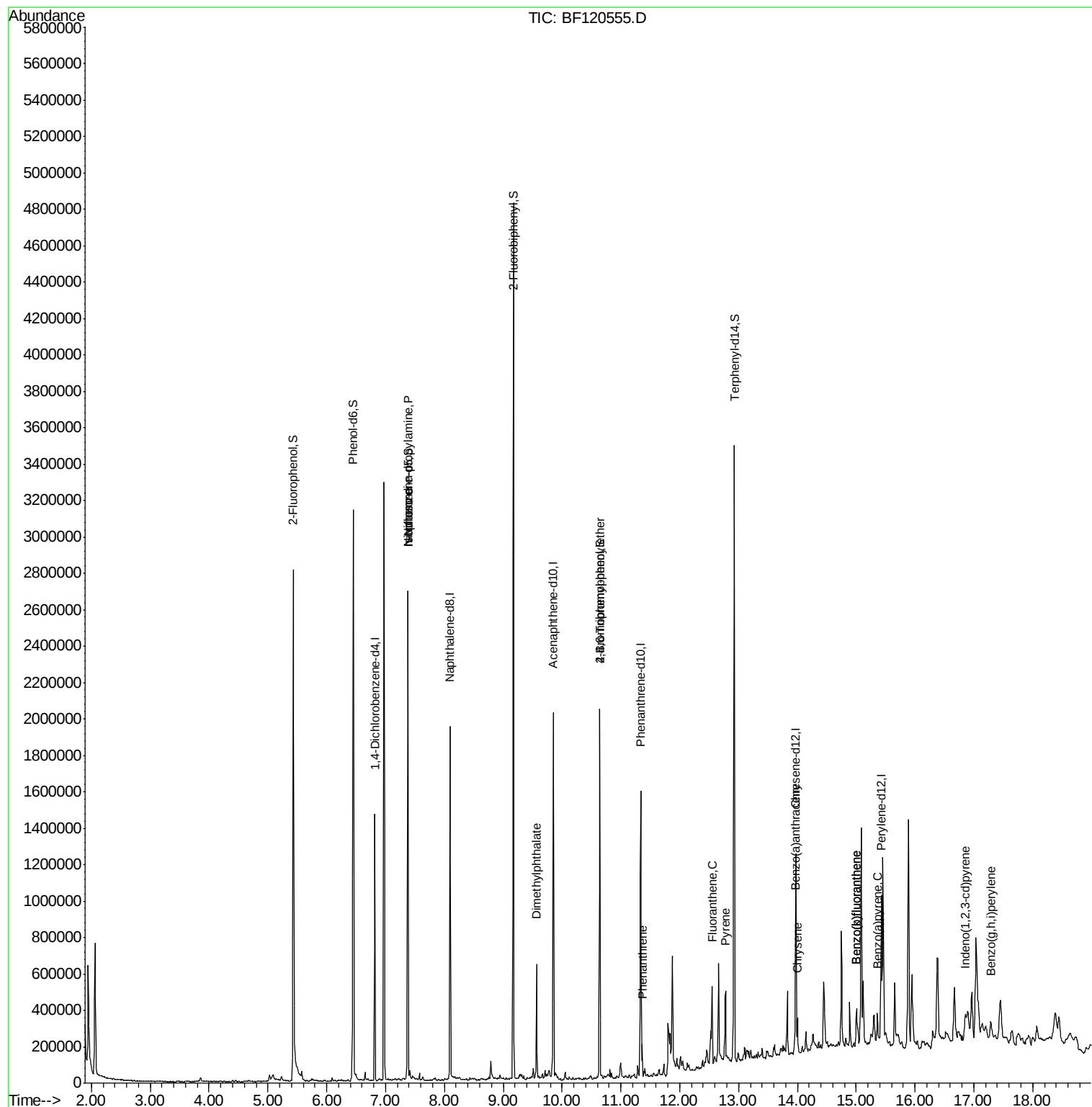
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.82	152	203473	20.00	ng	-0.01
21) Naphthalene-d8	8.10	136	802833	20.00	ng	-0.02
39) Acenaphthene-d10	9.85	164	393347	20.00	ng	-0.02
64) Phenanthrene-d10	11.34	188	558429	20.00	ng	-0.02
76) Chrysene-d12	13.97	240	361011	20.00	ng	-0.03
86) Perylene-d12	15.43	264	362277	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.43	112	985275	92.28	ng	-0.01
7) Phenol-d6	6.45	99	1341752	101.96	ng	-0.02
23) Nitrobenzene-d5	7.38	82	862774	70.30	ng	-0.02
42) 2,4,6-Tribromophenol	10.65	330	276554	75.88	ng	-0.02
45) 2-Fluorobiphenyl	9.17	172	1515757	65.38	ng	-0.02
79) Terphenyl-d14	12.93	244	1193035	73.54	ng	-0.02
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.38	70	115504	13.807	ng	# 78
25) Isophorone	7.38	82	859923	34.860	ng	# 63
50) Dimethylphthalate	9.57	163	240310	9.772	ng	99
67) 4-Bromophenyl-phenylether	10.65	248	16459	2.920	ng	# 1
71) Phenanthrene	11.36	178	60603	2.463	ng	98
75) Fluoranthene	12.55	202	179419	6.777	ng	95
78) Pyrene	12.78	202	166804	6.644	ng	98
81) Benzo(a)anthracene	13.96	228	88181	4.558	ng	99
83) Chrysene	14.00	228	82037	4.044	ng	96
87) Indeno(1,2,3-cd)pyrene	16.85	276	69140	3.489	ng	97
88) Benzo(b)fluoranthene	15.00	252	143898	7.151	ng	99
89) Benzo(k)fluoranthene	15.00	252	143898	7.660	ng	100
90) Benzo(a)pyrene	15.36	252	75026	4.263	ng	99
92) Benzo(a,h,i)perylene	17.29	276	66736	4.189	ng	97

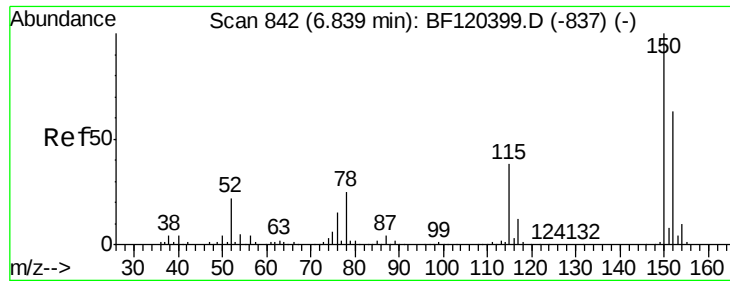
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 6.82 min Scan# 838

Delta R.T. -0.01 min

Lab File: BF120555.D

Acq: 5 Jun 2020 13:10

Instrument :

BNA_F

ClientSampleId :

NM108-2-COMP-2020-0-6

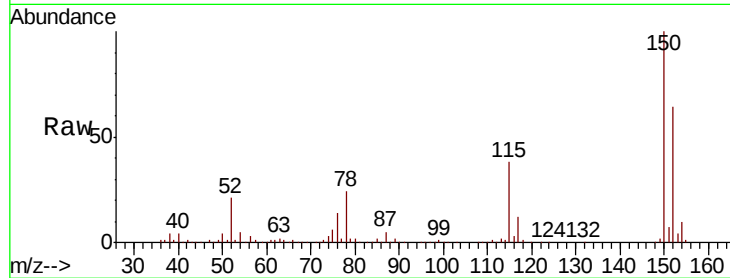
Tot Ion:152 Resp: 203473

Ion Ratio Lower Upper

152 100

150 157.1 126.3 189.5

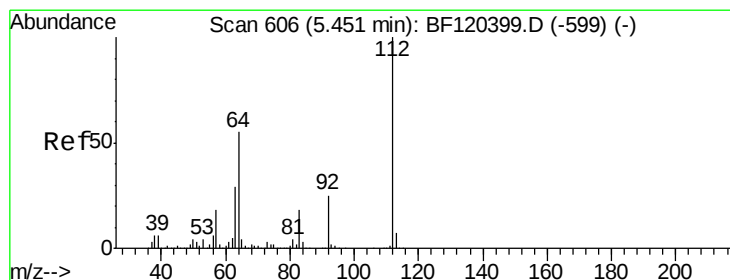
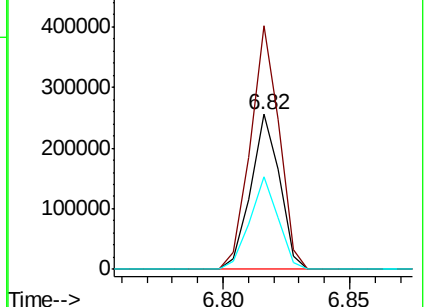
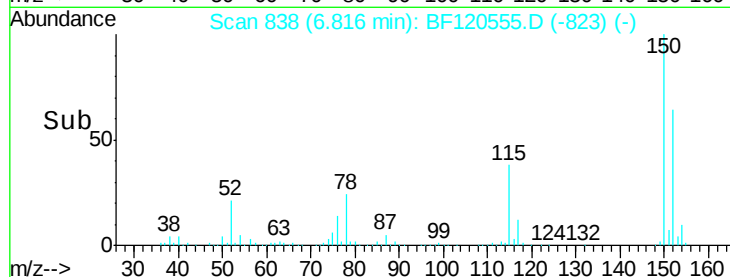
115 59.6 48.1 72.1



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: 92.282 ng

RT: 5.43 min Scan# 603

Delta R.T. -0.01 min

Lab File: BF120555.D

Acq: 5 Jun 2020 13:10

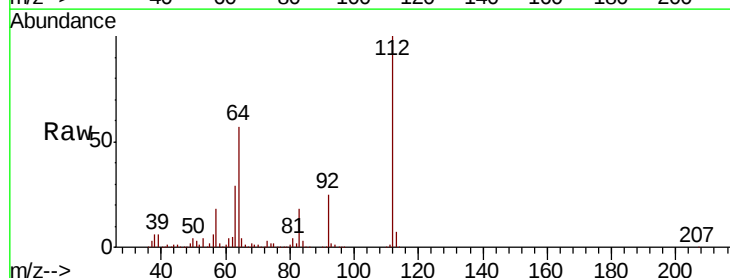
Tgt Ion:112 Resp: 985275

Ion Ratio Lower Upper

112 100

64 56.8 47.2 70.8

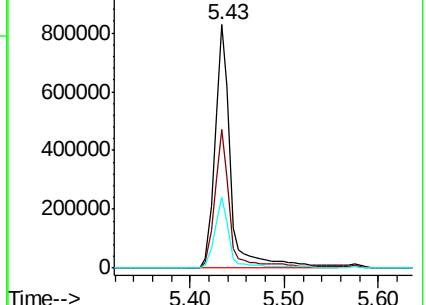
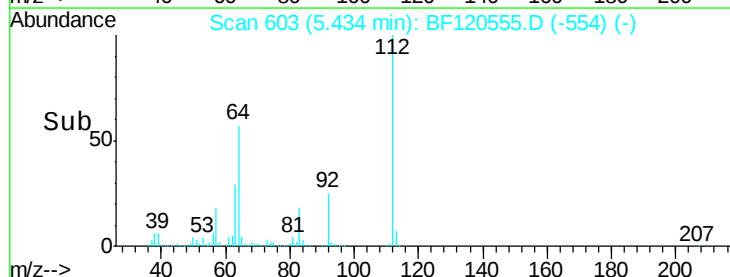
63 29.3 24.7 37.1

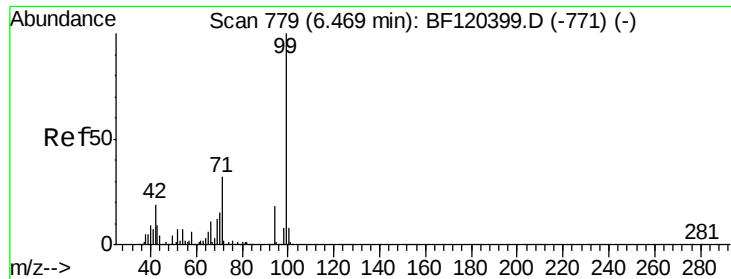


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF1

Ion 63.00 (62.70 to 63.70): BF1





#7

Phenol-d6

Concen: 101.957 ng

RT: 6.45 min Scan# 776

Delta R.T. -0.02 min

Lab File: BF120555.D

Acq: 5 Jun 2020 13:10

Instrument :

BNA_F

ClientSampleId :

NM108-2-COMP-2020-0-6

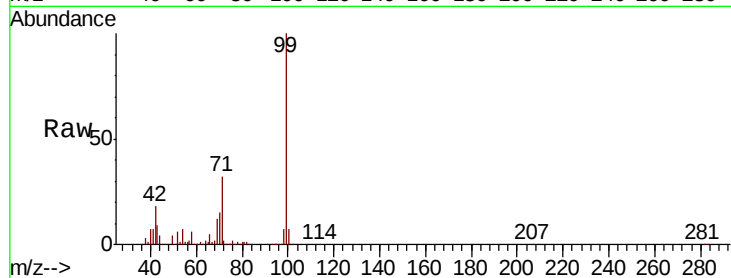
Tot Ion: 99 Resp: 1341752

Ion Ratio Lower Upper

99 100

42 18.5 15.0 22.6

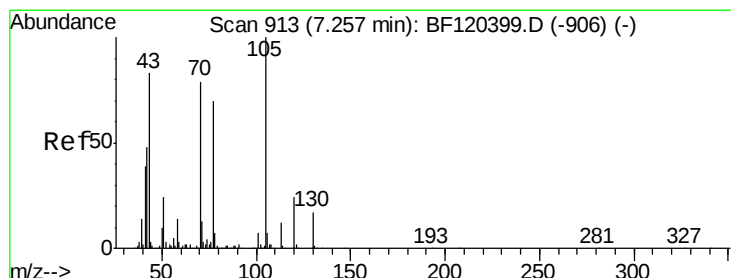
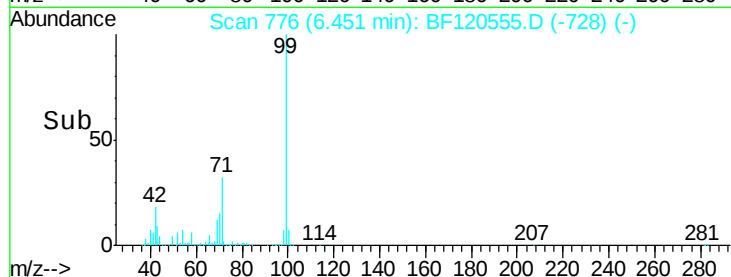
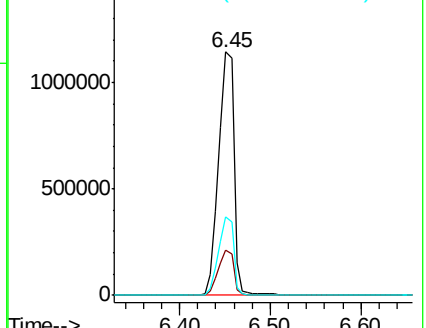
71 32.0 27.0 40.4



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



#19

n-Nitroso-di-n-propylamine

Concen: 13.807 ng

RT: 7.38 min Scan# 934

Delta R.T. 0.13 min

Lab File: BF120555.D

Acq: 5 Jun 2020 13:10

Tgt Ion: 70 Resp: 115504

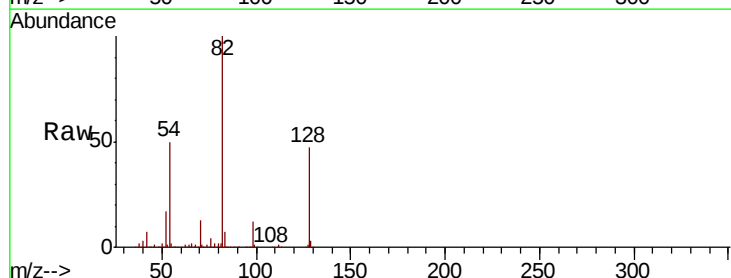
Ion Ratio Lower Upper

70 100

42 48.6 47.0 70.4

101 0.0 7.8 11.8#

130 2.3 17.9 26.9#

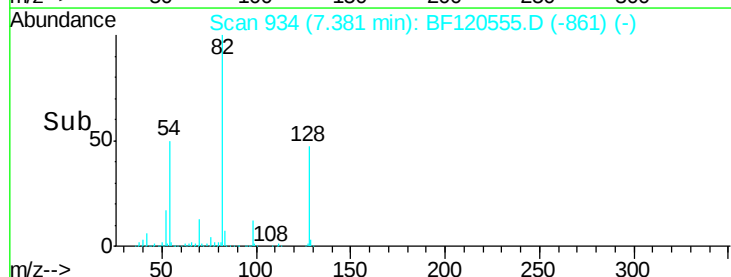
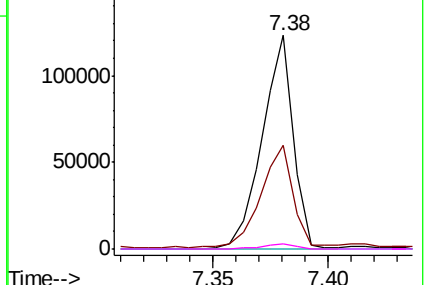


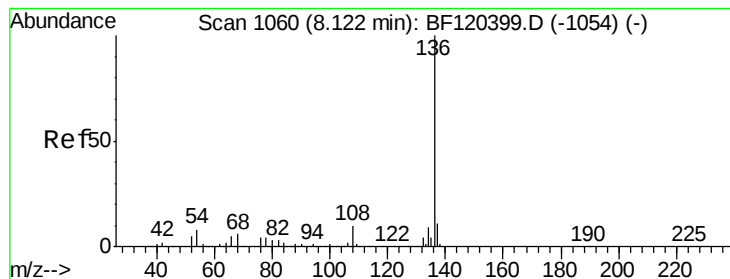
Abundance Ion 70.00 (69.70 to 70.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 101.00 (100.70 to 101.70): BF1

Ion 130.00 (129.70 to 130.70): BF1





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.10 min Scan# 1056

Delta R.T. -0.02 min

Lab File: BF120555.D

Acq: 5 Jun 2020 13:10

Instrument :

BNA_F

ClientSampleId :

NM108-2-COMP-2020-0-6

Tot Ion:136 Resp: 802833

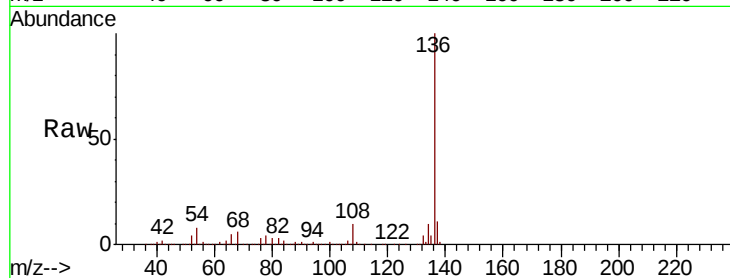
Ion Ratio Lower Upper

136 100

137 11.2 8.8 13.2

54 8.2 5.4 8.0#

68 6.3 4.3 6.5

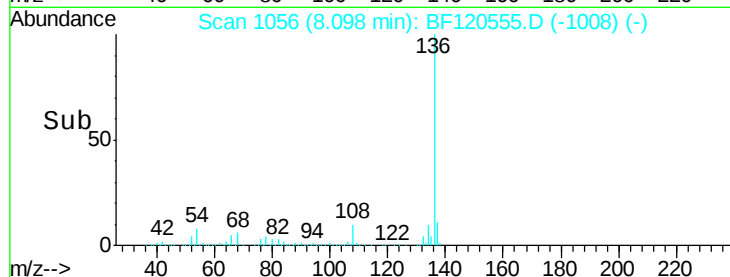


Abundance Ion 136.00 (135.70 to 136.70): E

1500000 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



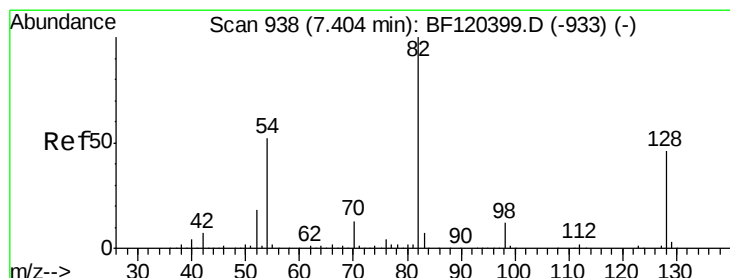
8.10

1000000

500000

0

Time--> 8.00 8.10 8.20



#23

Nitrobenzene-d5

Concen: 70.297 ng

RT: 7.38 min Scan# 934

Delta R.T. -0.02 min

Lab File: BF120555.D

Acq: 5 Jun 2020 13:10

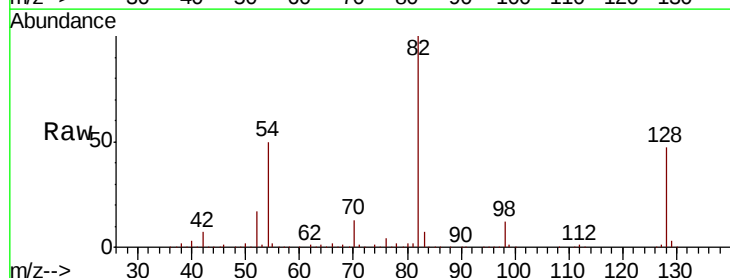
Tgt Ion: 82 Resp: 862774

Ion Ratio Lower Upper

82 100

128 47.5 36.7 55.1

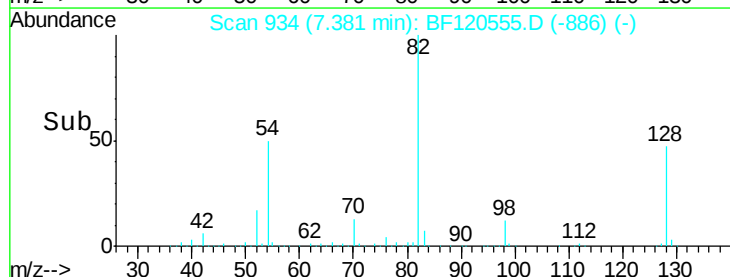
54 50.2 40.0 60.0



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



7.38

1200000

1000000

800000

600000

400000

200000

0

Time--> 7.30 7.35 7.40 7.45



#25

Isophorone

Concen: 34.860 ng

RT: 7.38 min Scan# 934

Delta R.T. -0.28 min

Lab File: BF120555.D

Acq: 5 Jun 2020 13:10

Instrument :

BNA_F

ClientSampleId :

NM108-2-COMP-2020-0-6

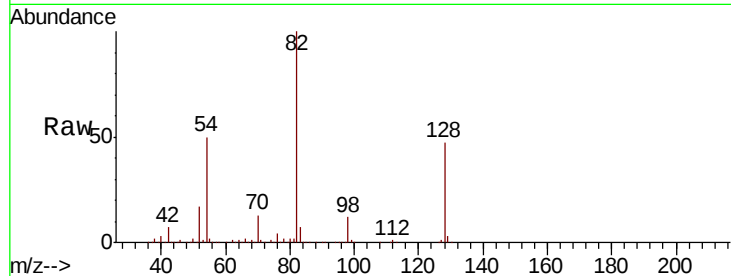
Tot Ion: 82 Resp: 859923

Ion Ratio Lower Upper

82 100

95 0.1 5.8 8.6#

138 0.0 15.6 23.4#

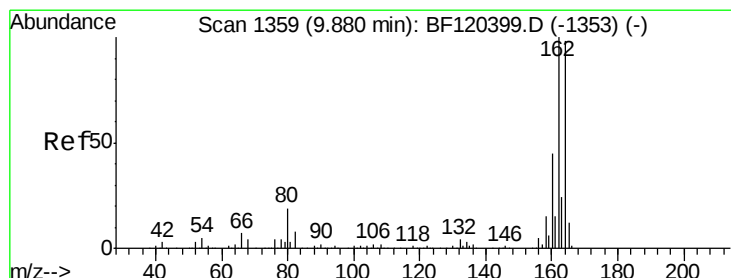
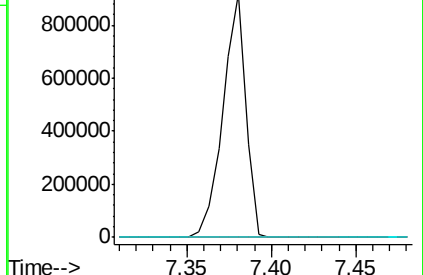
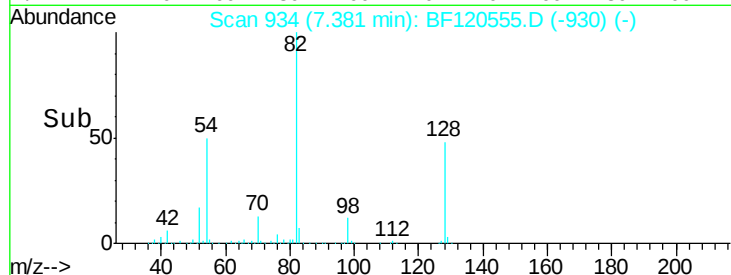


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 95.00 (94.70 to 95.70): BF1

Ion 138.00 (137.70 to 138.70): BF1

Time-->



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.85 min Scan# 1354

Delta R.T. -0.02 min

Lab File: BF120555.D

Acq: 5 Jun 2020 13:10

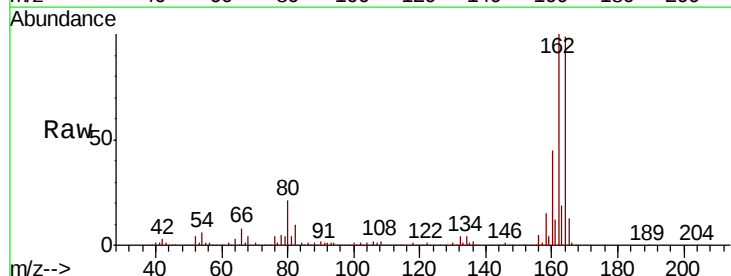
Tgt Ion: 164 Resp: 393347

Ion Ratio Lower Upper

164 100

162 101.3 81.2 121.8

160 45.7 37.0 55.4

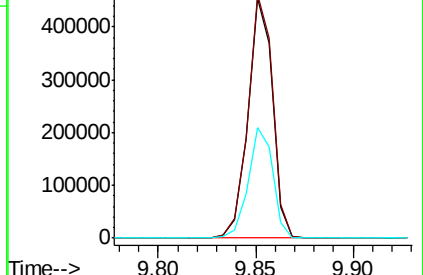
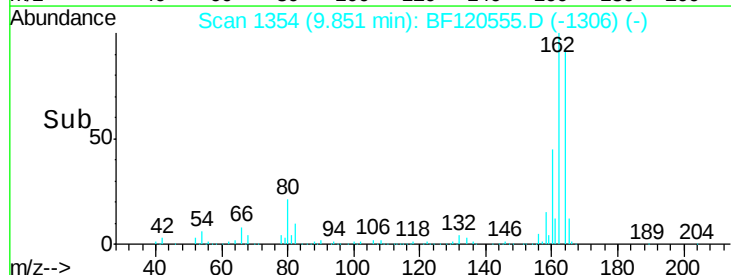


Abundance Ion 164.00 (163.70 to 164.70): BF1

Ion 162.00 (161.70 to 162.70): BF1

Ion 160.00 (159.70 to 160.70): BF1

Time-->

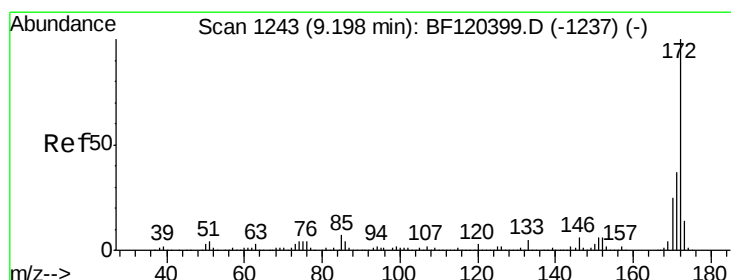
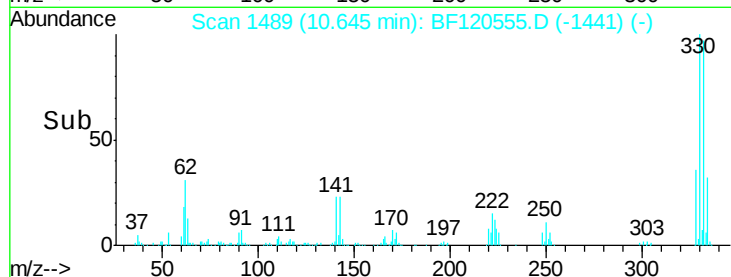
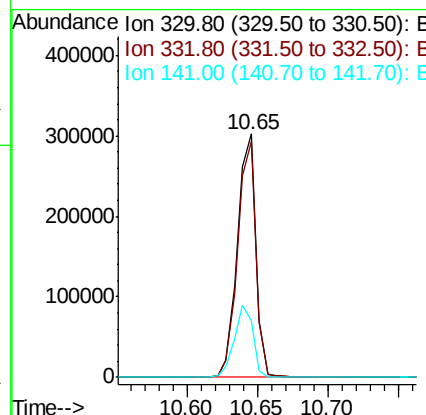
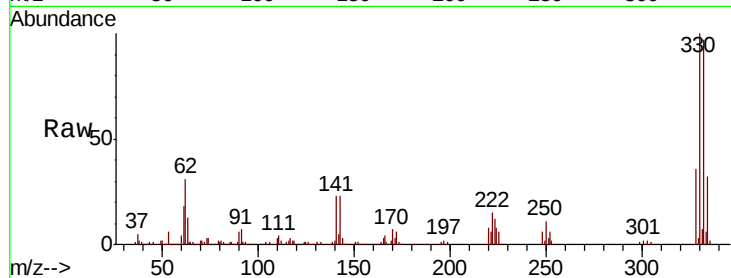




#42
 2,4,6-Tribromophenol
 Concen: 75.882 ng
 RT: 10.65 min Scan# 1489
 Delta R.T. -0.02 min
 Lab File: BF120555.D
 Acq: 5 Jun 2020 13:10

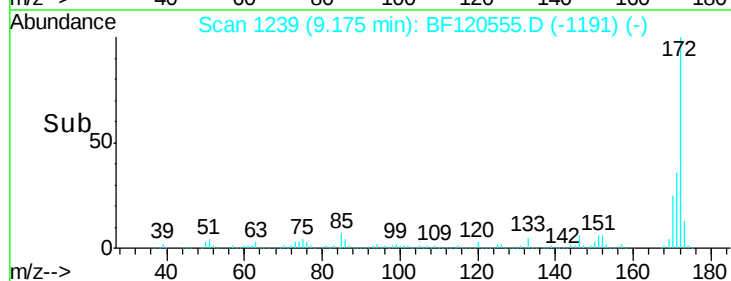
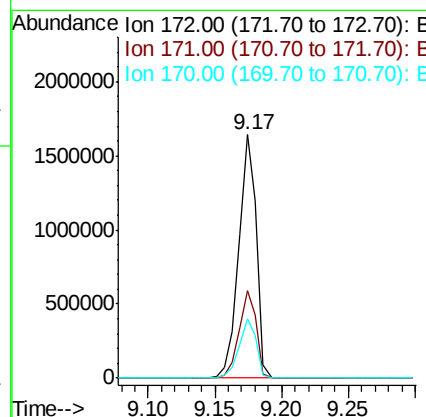
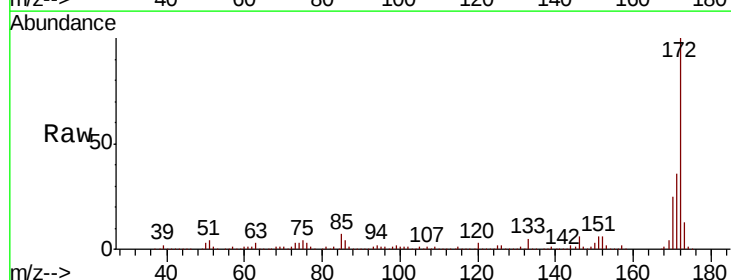
Instrument :
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 NM108-2-COMP-2020-0-6

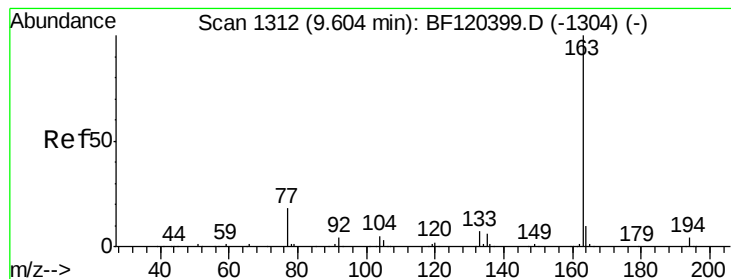
Tot Ion	Ratio	Lower	Upper
330	100		
332	95.9	77.0	115.4
141	29.7	23.8	35.8



#45
 2-Fluorobiphenyl
 Concen: 65.382 ng
 RT: 9.17 min Scan# 1239
 Delta R.T. -0.02 min
 Lab File: BF120555.D
 Acq: 5 Jun 2020 13:10

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.9	29.5	44.3
170	24.6	19.8	29.6





#50

Dimethylphthalate

Concen: 9.772 ng

RT: 9.57 min Scan# 1306

Delta R.T. -0.03 min

Lab File: BF120555.D

Acq: 5 Jun 2020 13:10

Instrument :

BNA_F

ClientSampleId :

NM108-2-COMP-2020-0-6

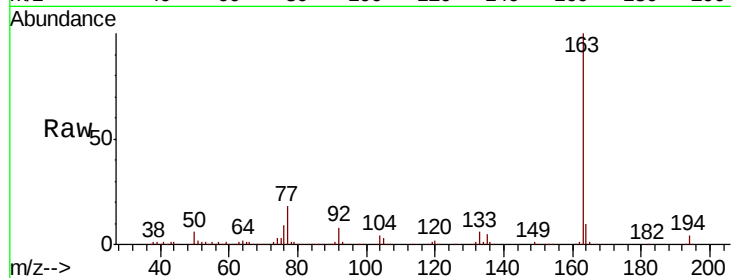
Tot Ion:163 Resp: 240310

Ion Ratio Lower Upper

163 100

194 4.1 3.1 4.7

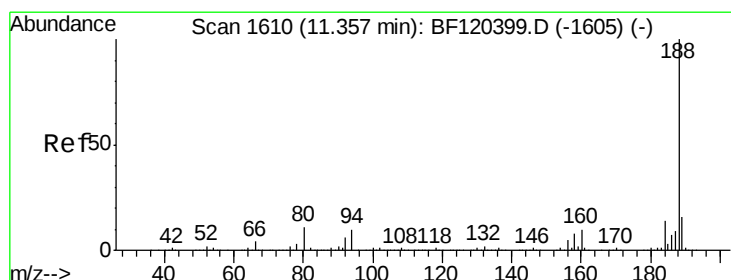
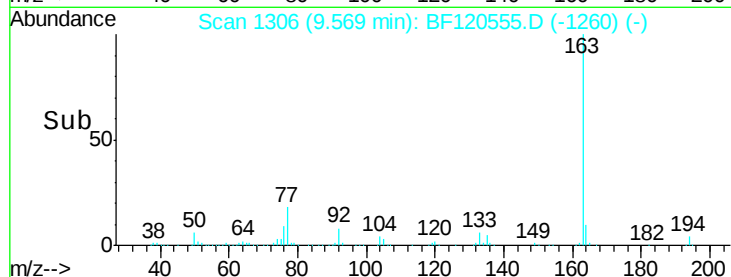
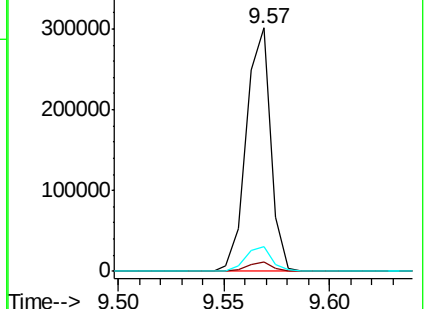
164 10.4 8.0 12.0



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



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.34 min Scan# 1607

Delta R.T. -0.02 min

Lab File: BF120555.D

Acq: 5 Jun 2020 13:10

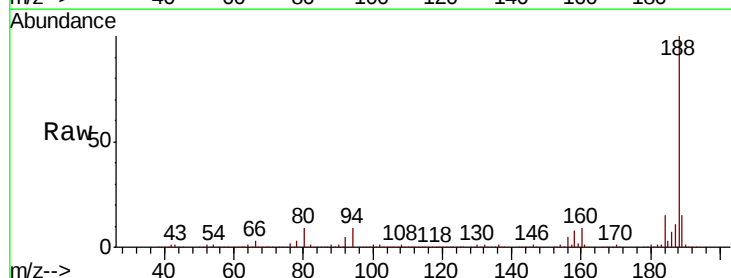
Tgt Ion:188 Resp: 558429

Ion Ratio Lower Upper

188 100

94 8.5 7.4 11.2

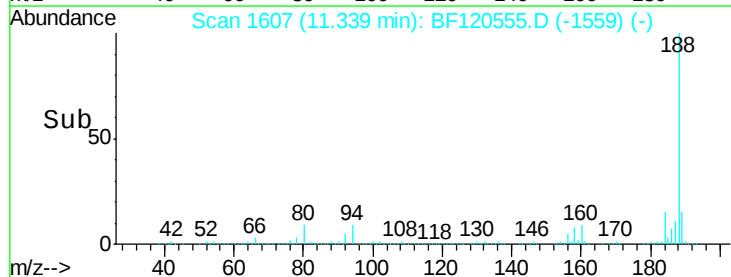
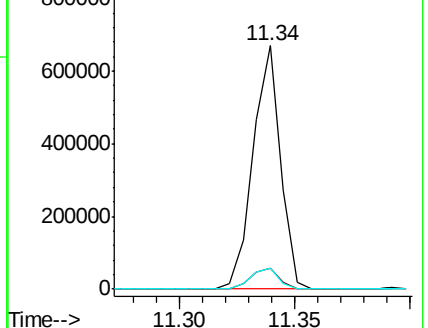
80 8.6 7.6 11.4

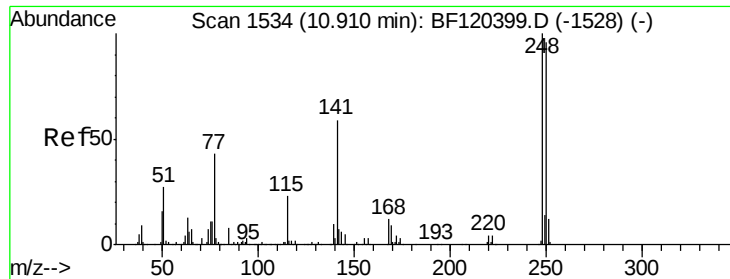


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1

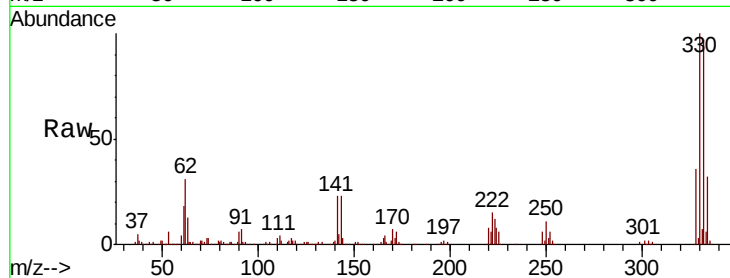




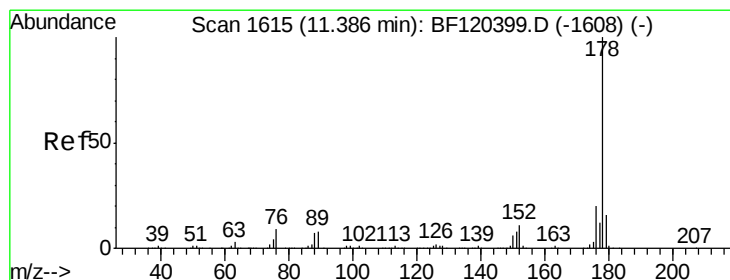
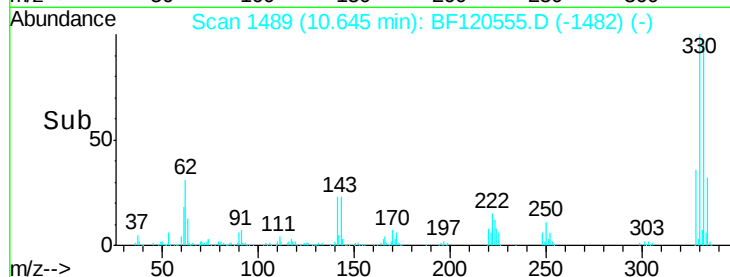
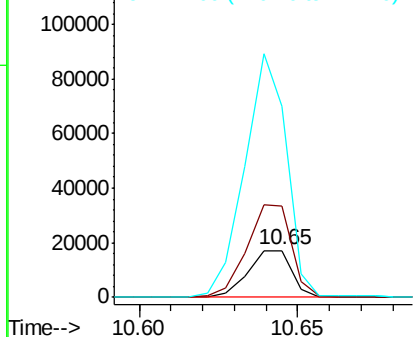
#67
 4-Bromophenyl-phenylether
 Concen: 2.920 ng
 RT: 10.65 min Scan# 1489
 Delta R.T. -0.26 min
 Lab File: BF120555.D
 Acq: 5 Jun 2020 13:10

Instrument :
 BNA_F
 ClientSampleId :
 NM108-2-COMP-2020-0-6

Tot Ion:248 Resp: 16459
 Ion Ratio Lower Upper
 248 100
 250 195.5 77.4 116.0#
 141 407.4 46.1 69.1#

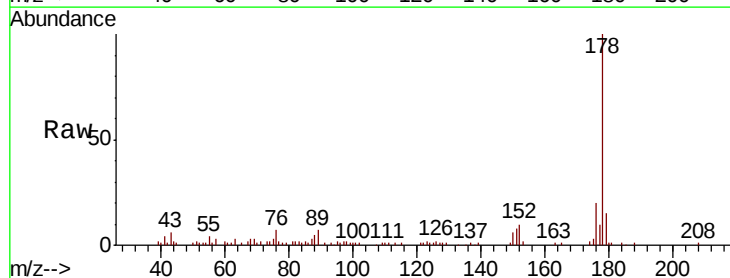


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

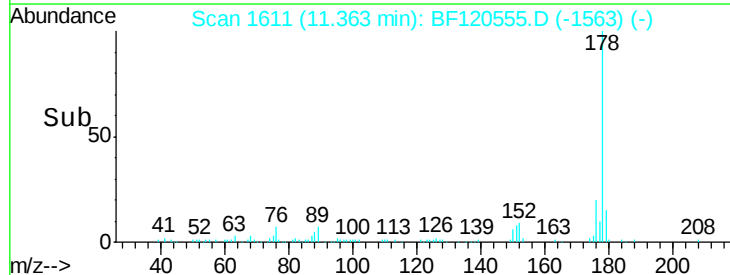
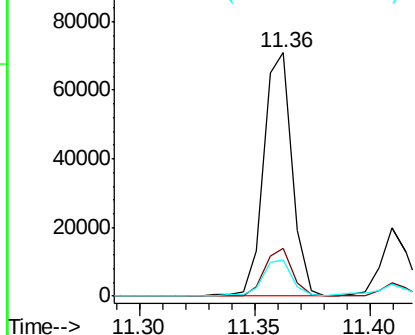


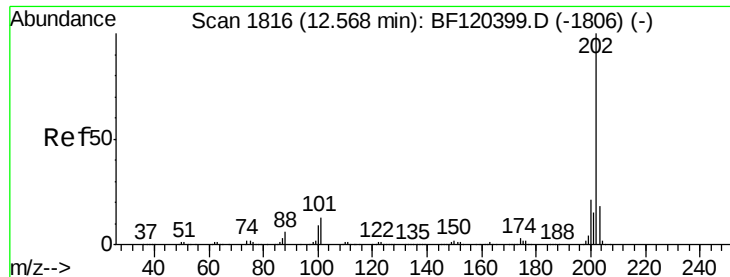
#71
 Phenanthrene
 Concen: 2.463 ng
 RT: 11.36 min Scan# 1611
 Delta R.T. -0.02 min
 Lab File: BF120555.D
 Acq: 5 Jun 2020 13:10

Tgt Ion:178 Resp: 60603
 Ion Ratio Lower Upper
 178 100
 176 19.5 16.2 24.2
 179 15.1 12.8 19.2



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





#75

Fluoranthene

Concen: 6.777 ng

RT: 12.55 min Scan# 1813

Delta R.T. -0.02 min

Lab File: BF120555.D

Acq: 5 Jun 2020 13:10

Instrument :

BNA_F

ClientSampleId :

NM108-2-COMP-2020-0-6

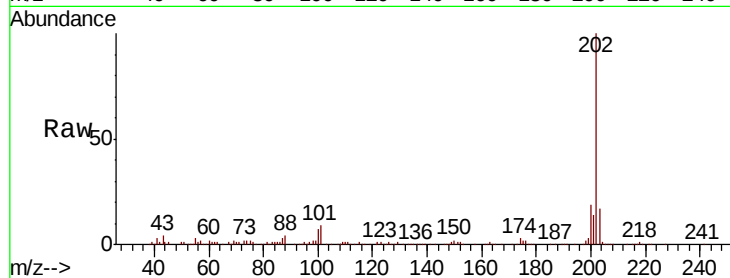
Tot Ion:202 Resp: 179419

Ion Ratio Lower Upper

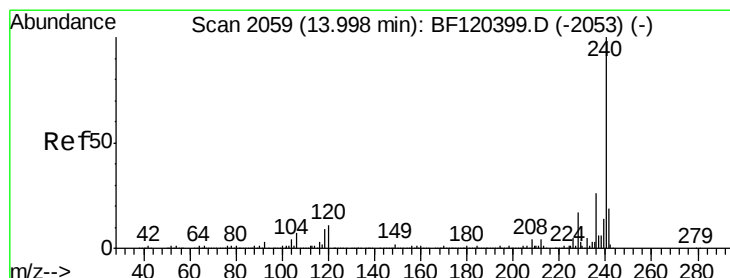
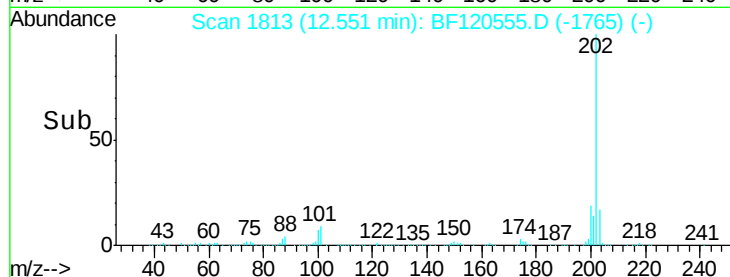
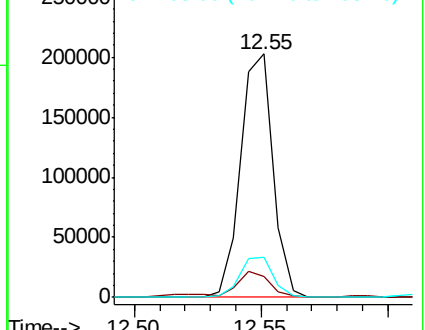
202 100

101 8.8 0.0 31.3

203 16.7 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: 13.97 min Scan# 2055

Delta R.T. -0.03 min

Lab File: BF120555.D

Acq: 5 Jun 2020 13:10

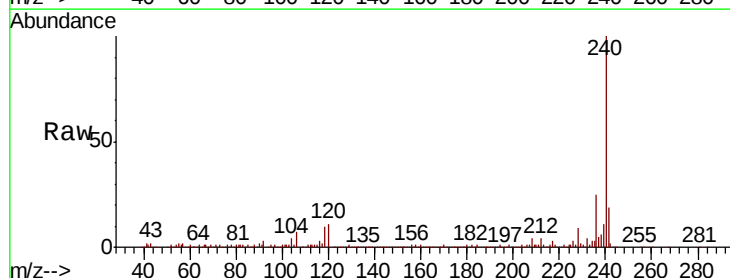
Tgt Ion:240 Resp: 361011

Ion Ratio Lower Upper

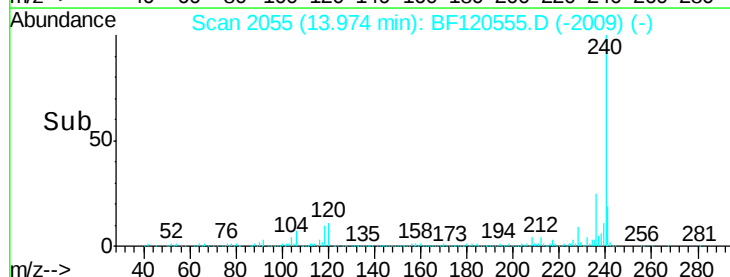
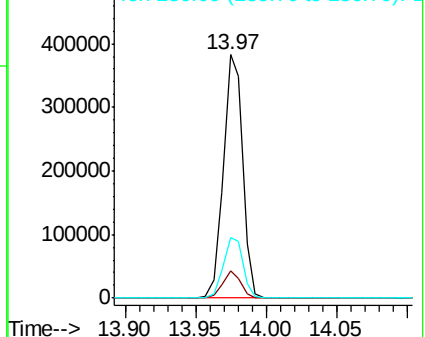
240 100

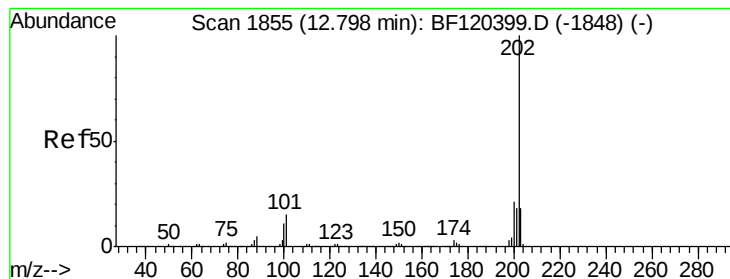
120 11.0 7.7 11.5

236 25.1 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: 6.644 ng

RT: 12.78 min Scan# 1852

Delta R.T. -0.02 min

Lab File: BF120555.D

Acq: 5 Jun 2020 13:10

Instrument :

BNA_F

ClientSampleId :

NM108-2-COMP-2020-0-6

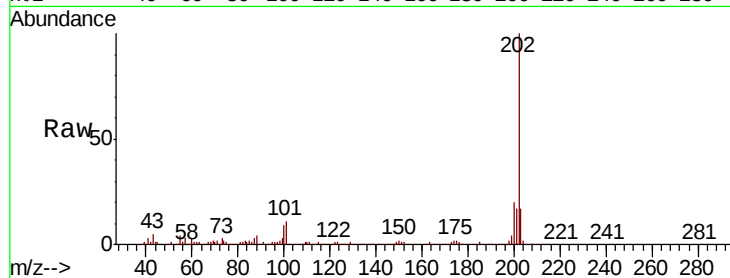
Tot Ion:202 Resp: 166804

Ion Ratio Lower Upper

202 100

200 20.1 17.0 25.6

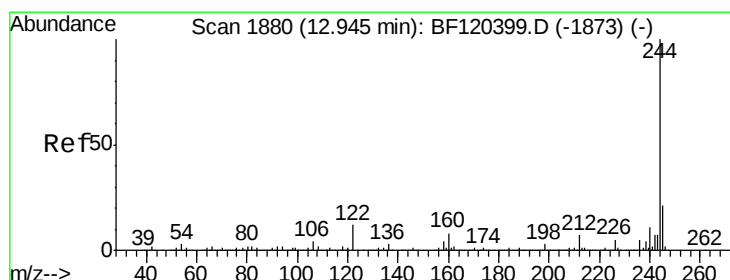
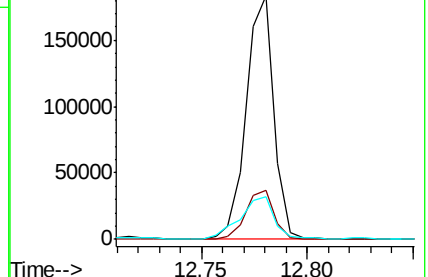
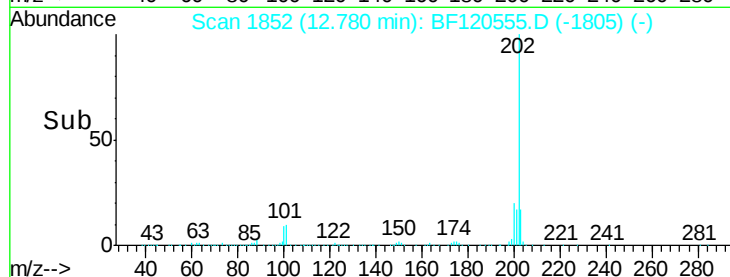
203 17.3 14.2 21.2



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: 73.538 ng

RT: 12.93 min Scan# 1877

Delta R.T. -0.02 min

Lab File: BF120555.D

Acq: 5 Jun 2020 13:10

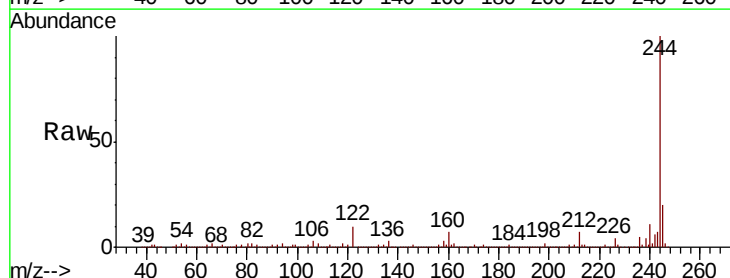
Tgt Ion:244 Resp: 1193035

Ion Ratio Lower Upper

244 100

212 6.9 5.7 8.5

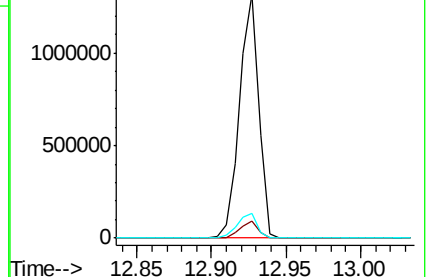
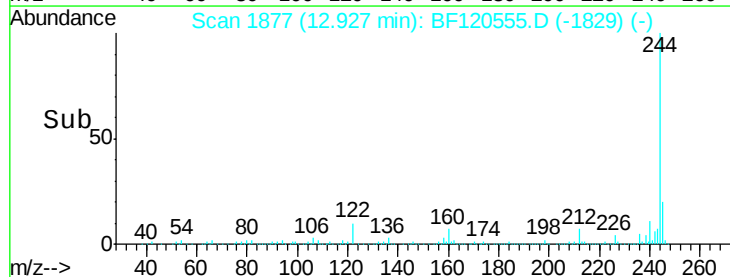
122 10.4 8.0 12.0

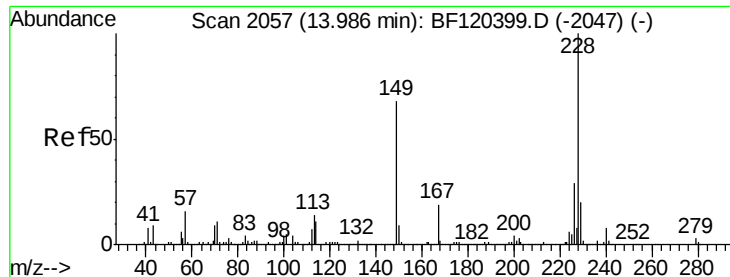


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

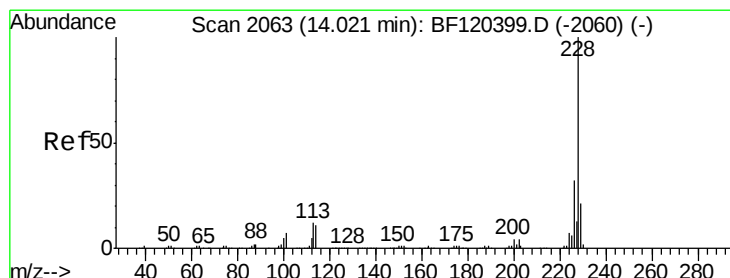
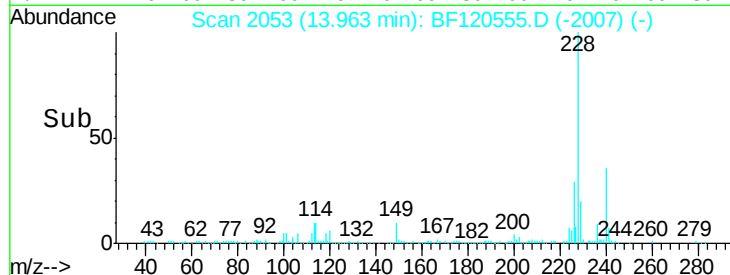
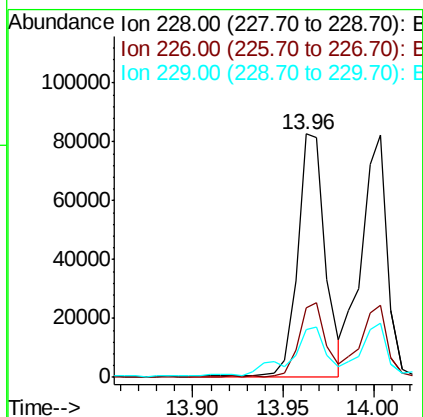
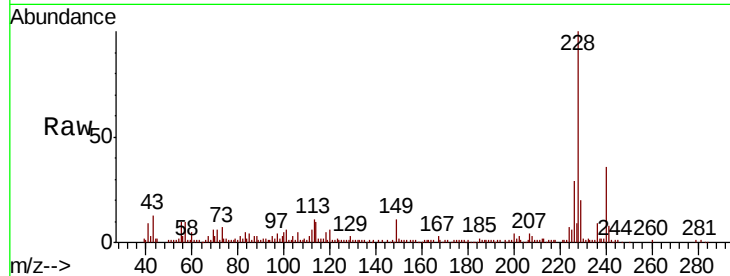




#81
Benzo(a)anthracene
Concen: 4.558 ng
RT: 13.96 min Scan# 2053
Delta R.T. -0.03 min
Lab File: BF120555.D
Acq: 5 Jun 2020 13:10

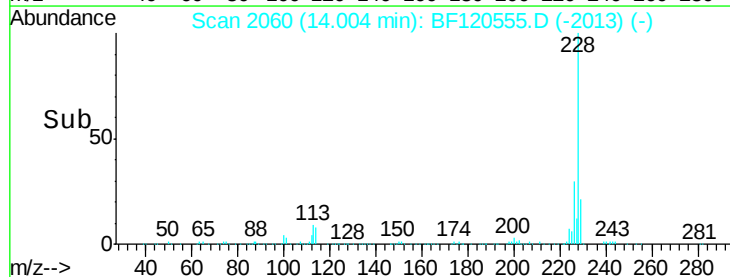
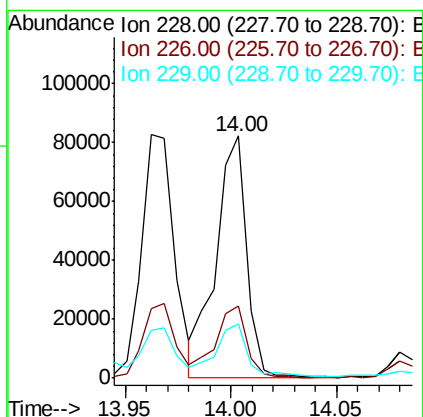
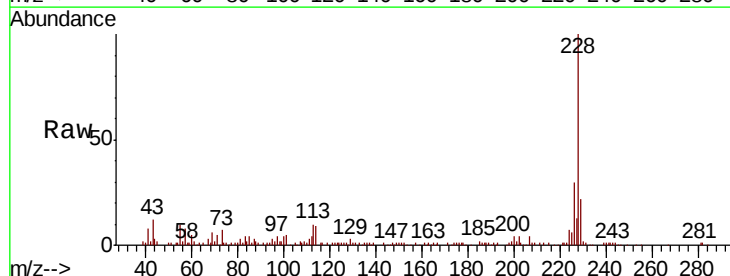
Instrument :
BNA_F
ClientSampleId :
NM108-2-COMP-2020-0-6

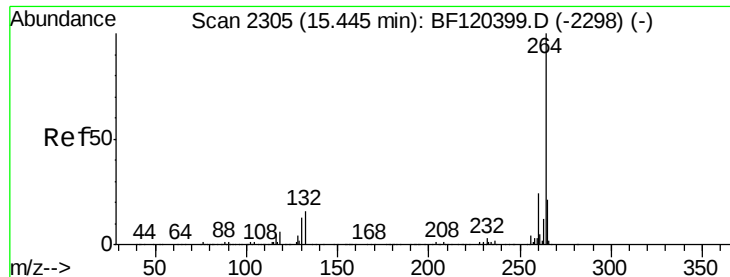
Tot Ion:228 Resp: 88181
Ion Ratio Lower Upper
228 100
226 28.8 22.4 33.6
229 19.8 16.2 24.2



#83
Chrysene
Concen: 4.044 ng
RT: 14.00 min Scan# 2060
Delta R.T. -0.02 min
Lab File: BF120555.D
Acq: 5 Jun 2020 13:10

Tgt Ion:228 Resp: 82037
Ion Ratio Lower Upper
228 100
226 29.9 25.6 38.4
229 22.2 16.2 24.2

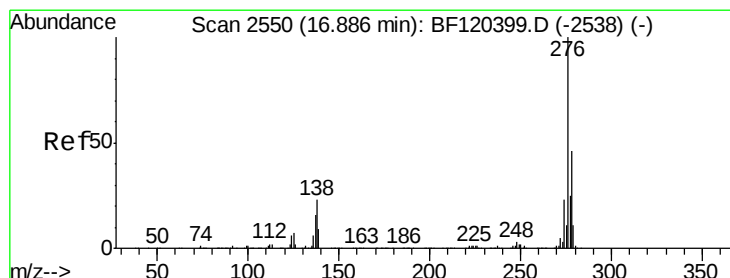
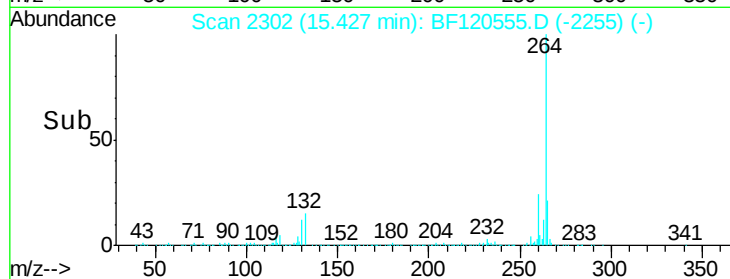
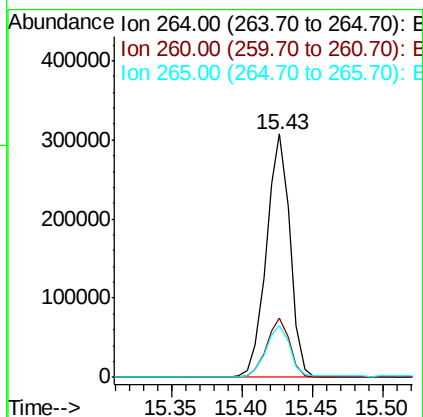
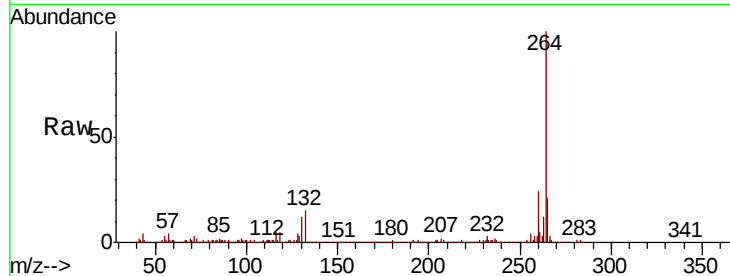




#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.43 min Scan# 2302
Delta R.T. -0.02 min
Lab File: BF120555.D
Acq: 5 Jun 2020 13:10

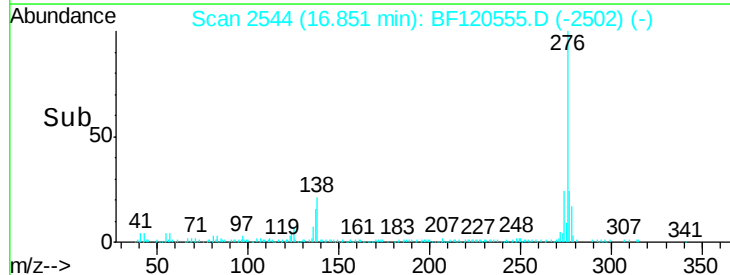
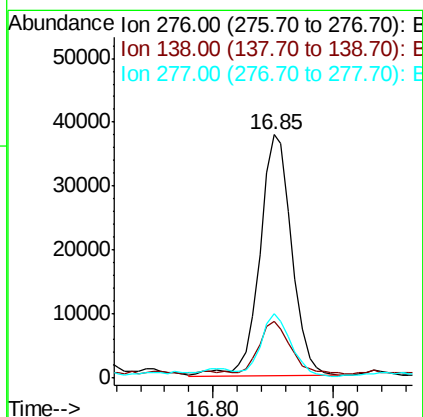
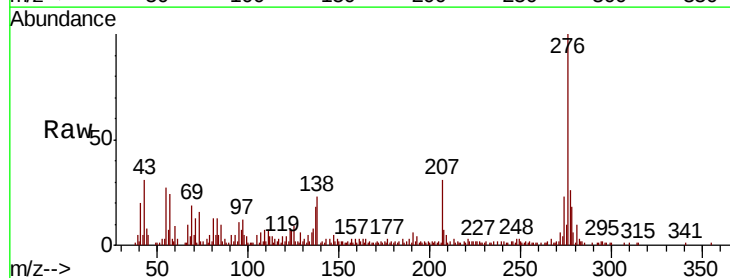
Instrument :
BNA_F
ClientSampleId :
NM108-2-COMP-2020-0-6

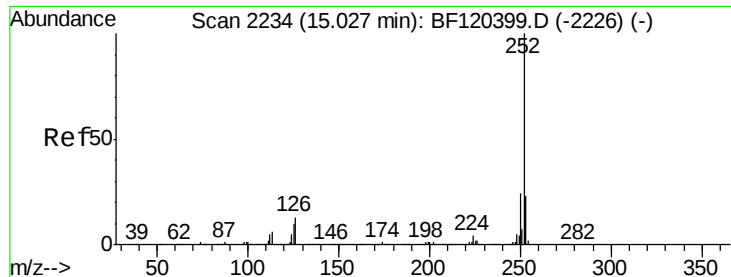
Tot Ion:264 Resp: 362277
Ion Ratio Lower Upper
264 100
260 24.2 19.5 29.3
265 21.2 17.5 26.3



#87
Indeno(1,2,3-cd)pyrene
Concen: 3.489 ng
RT: 16.85 min Scan# 2544
Delta R.T. -0.05 min
Lab File: BF120555.D
Acq: 5 Jun 2020 13:10

Tgt Ion:276 Resp: 69140
Ion Ratio Lower Upper
276 100
138 21.4 19.2 28.8
277 24.6 20.3 30.5

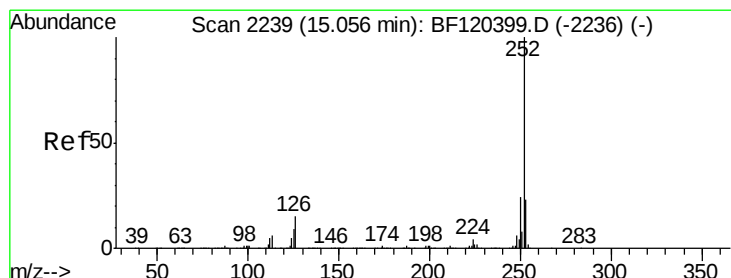
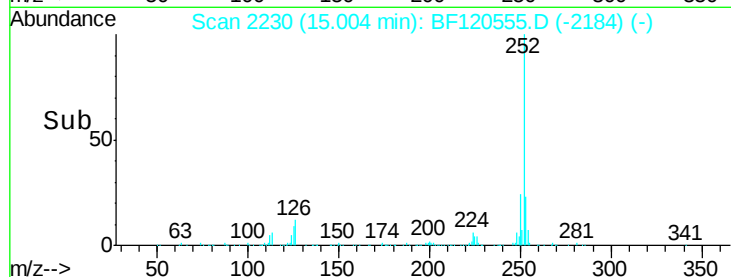
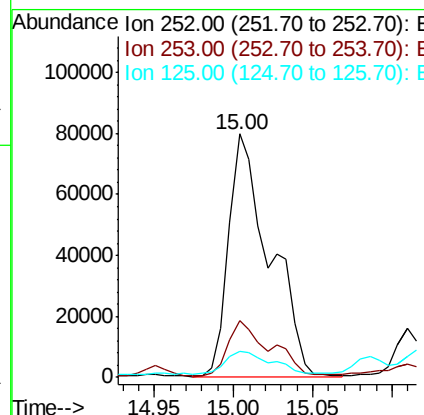
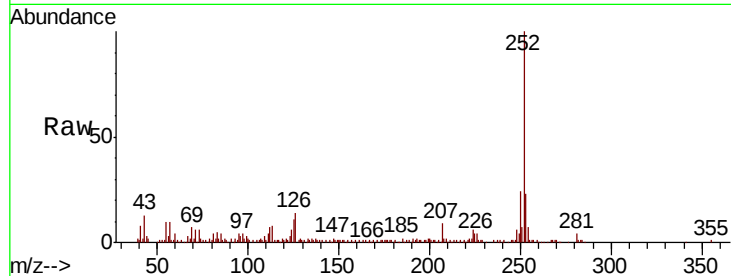




#88
Benzo(b)fluoranthene
Concen: 7.151 ng
RT: 15.00 min Scan# 2230
Delta R.T. -0.03 min
Lab File: BF120555.D
Acq: 5 Jun 2020 13:10

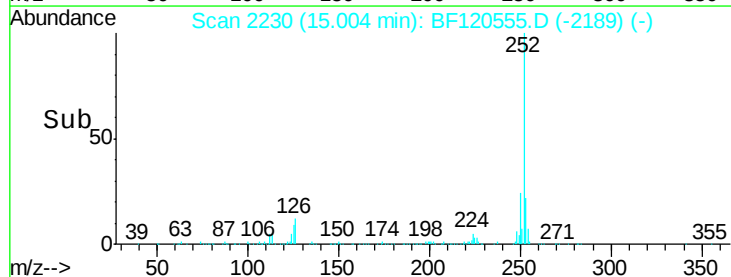
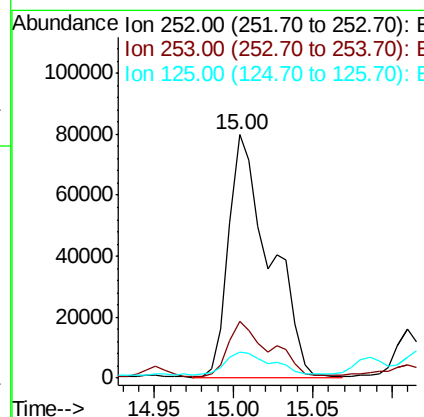
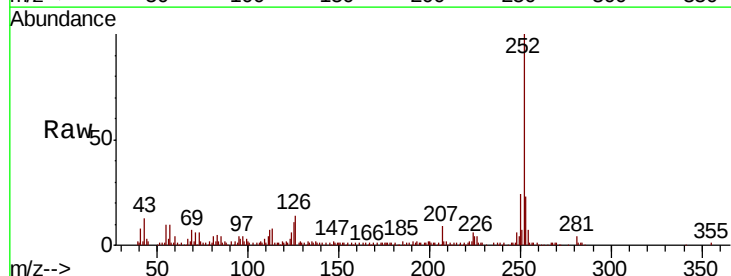
Instrument :
BNA_F
ClientSampleId :
NM108-2-COMP-2020-0-6

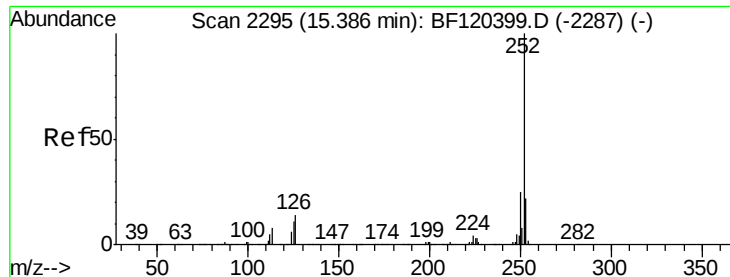
Tot Ion:252 Resp: 143898
Ion Ratio Lower Upper
252 100
253 23.1 18.0 27.0
125 10.8 8.3 12.5



#89
Benzo(k)fluoranthene
Concen: 7.660 ng
RT: 15.00 min Scan# 2230
Delta R.T. -0.06 min
Lab File: BF120555.D
Acq: 5 Jun 2020 13:10

Tgt Ion:252 Resp: 143898
Ion Ratio Lower Upper
252 100
253 23.1 18.4 27.6
125 10.8 8.6 13.0

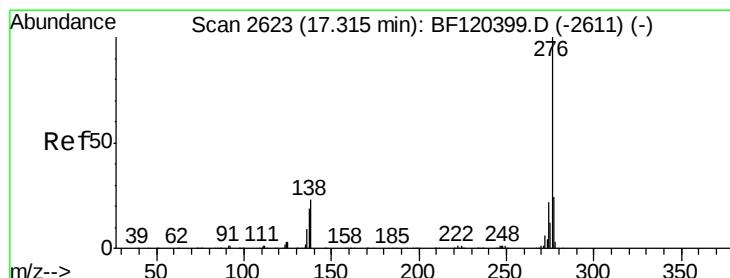
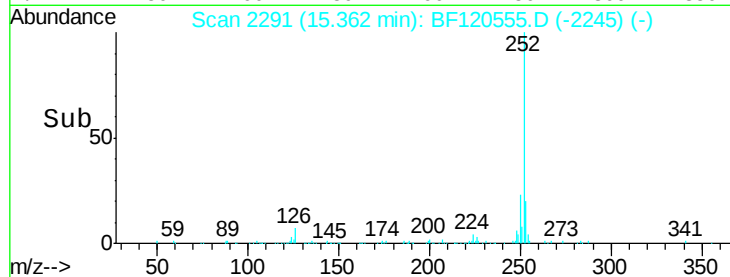
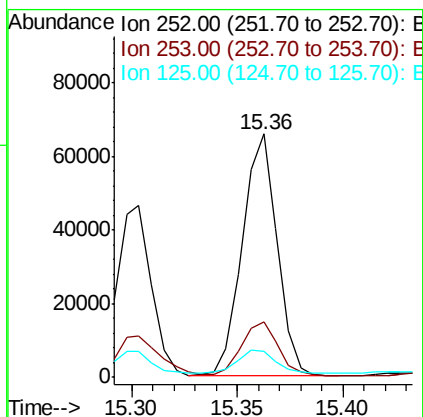
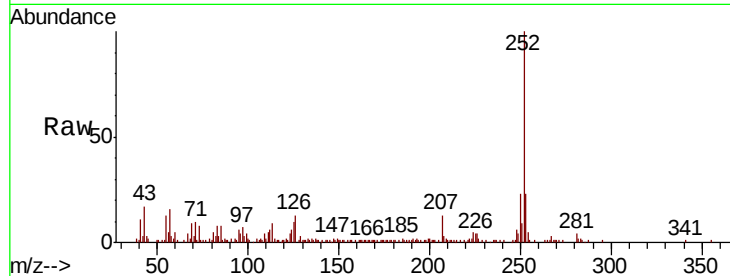




#90
Benzo(a)pyrene
Concen: 4.263 ng
RT: 15.36 min Scan# 2291
Delta R.T. -0.03 min
Lab File: BF120555.D
Acq: 5 Jun 2020 13:10

Instrument :
BNA_F
ClientSampleId :
NM108-2-COMP-2020-0-6

Tot Ion:252 Resp: 75026
Ion Ratio Lower Upper
252 100
253 22.7 18.2 27.2
125 10.5 9.6 14.4



#92
Benzo(g,h,i)perylene
Concen: 4.189 ng
RT: 17.29 min Scan# 2618
Delta R.T. -0.06 min
Lab File: BF120555.D
Acq: 5 Jun 2020 13:10

Tgt Ion:276 Resp: 66736
Ion Ratio Lower Upper
276 100
277 24.9 19.3 28.9
138 23.3 16.9 25.3

