

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF060320\
 Data File : BF120507.D
 Acq On : 3 Jun 2020 14:13
 Operator : JU/CG
 Sample : L2839-21
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 NM34-COMP-2020-0-6

Quant Time: Jun 03 14:47:11 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF052820.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jun 03 14:26:17 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.83	152	234097	20.00	ng	0.00
21) Naphthalene-d8	8.12	136	887408	20.00	ng	0.00
39) Acenaphthene-d10	9.87	164	455941	20.00	ng	-0.01
64) Phenanthrene-d10	11.36	188	841437	20.00	ng	0.00
76) Chrysene-d12	14.00	240	540534	20.00	ng	-0.01
86) Perylene-d12	15.45	264	535864	20.00	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.45	112	797844	64.95	ng	0.00
7) Phenol-d6	6.46	99	1045735	69.07	ng	-0.01
23) Nitrobenzene-d5	7.39	82	772163	56.92	ng	-0.01
42) 2,4,6-Tribromophenol	10.66	330	339644	80.40	ng	0.00
45) 2-Fluorobiphenyl	9.19	172	1446816	53.84	ng	0.00
79) Terphenyl-d14	12.94	244	1482378	61.03	ng	0.00

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	7.39	70	101870	10.585	ng	# 79
25) Isophorone	7.39	82	768678	28.192	ng	# 64
50) Dimethylphthalate	9.58	163	213426	7.488	ng	100
57) 2,4-Dinitrotoluene	9.87	165	58742	7.246	ng	# 26
67) 4-Bromophenyl-phenylether	10.66	248	20479	2.411	ng	# 1
71) Phenanthrene	11.38	178	156817	4.230	ng	96
75) Fluoranthene	12.57	202	314037	7.872	ng	98
78) Pyrene	12.80	202	281485	7.488	ng	97
81) Benzo(a)anthracene	13.99	228	121419	4.191	ng	96
83) Chrysene	14.02	228	120656	3.973	ng	97
87) Indeno(1,2,3-cd)pyrene	16.89	276	78221	2.669	ng	94
88) Benzo(b)fluoranthene	15.03	252	200301	6.730	ng	# 98
89) Benzo(k)fluoranthene	15.03	252	200301	7.209	ng	# 98
90) Benzo(a)pyrene	15.39	252	108050	4.150	ng	98
92) Benzo(a,h,i)perylene	17.33	276	74182	3.148	ng	98

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

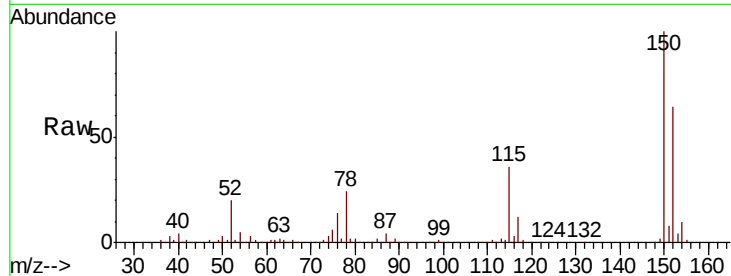


#1

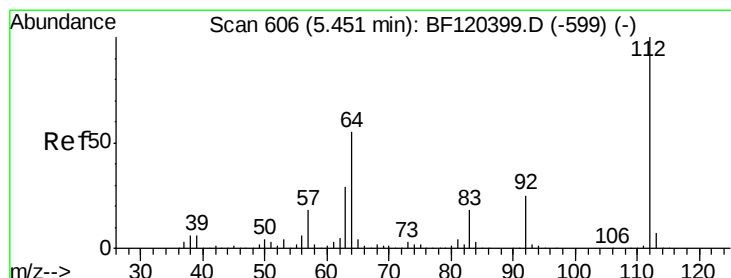
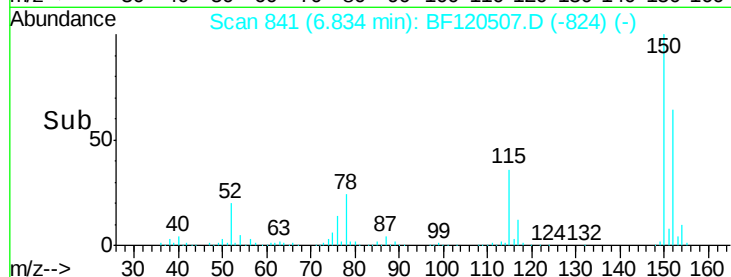
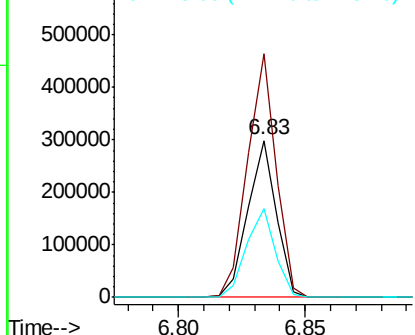
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.83 min Scan# 841
Delta R.T. 0.00 min
Lab File: BF120507.D
Acq: 3 Jun 2020 14:13

Instrument :
BNA_F
ClientSampleId :
NM34-COMP-2020-0-6

Tot Ion:152 Resp: 234097
Ion Ratio Lower Upper
152 100
150 155.1 127.1 190.7
115 56.4 48.7 73.1



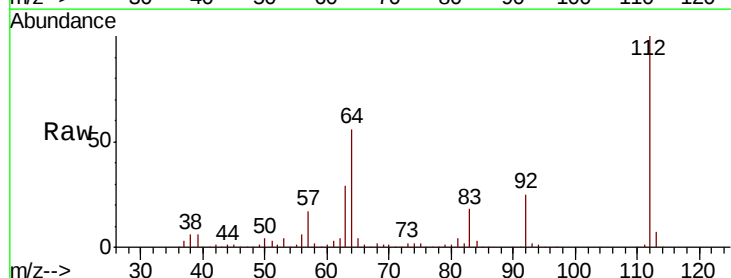
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



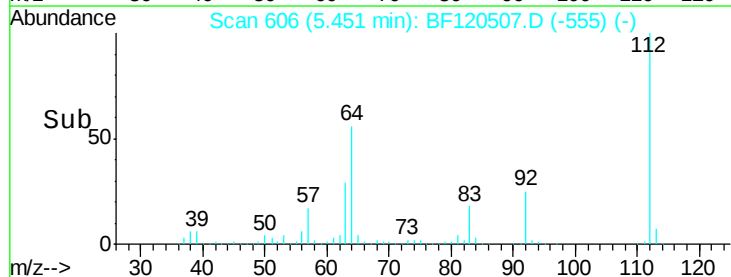
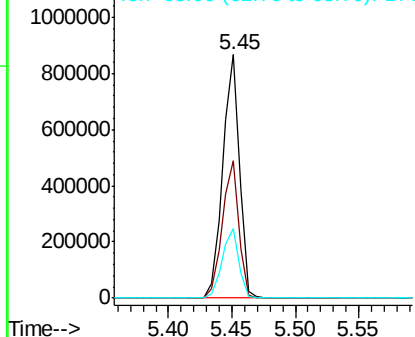
#5

2-Fluorophenol
Concen: 64.951 ng
RT: 5.45 min Scan# 606
Delta R.T. 0.00 min
Lab File: BF120507.D
Acq: 3 Jun 2020 14:13

Tgt Ion:112 Resp: 797844
Ion Ratio Lower Upper
112 100
64 56.2 45.8 68.8
63 28.7 23.7 35.5



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: 69.068 ng

RT: 6.46 min Scan# 778

Delta R.T. -0.01 min

Lab File: BF120507.D

Acq: 3 Jun 2020 14:13

Instrument :

BNA_F

ClientSampleId :

NM34-COMP-2020-0-6

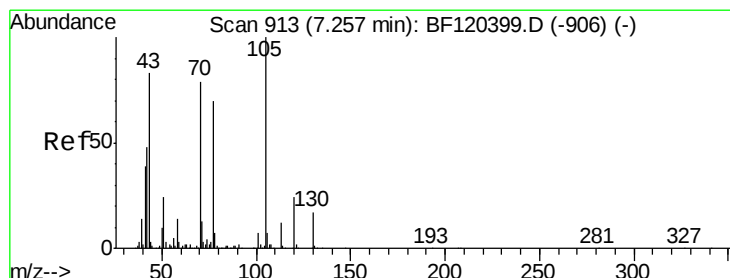
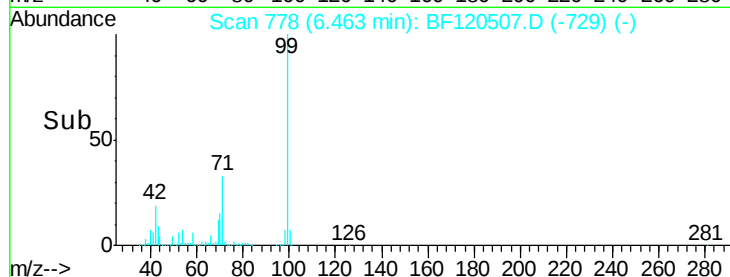
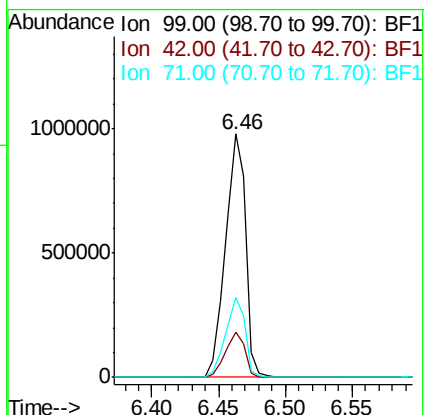
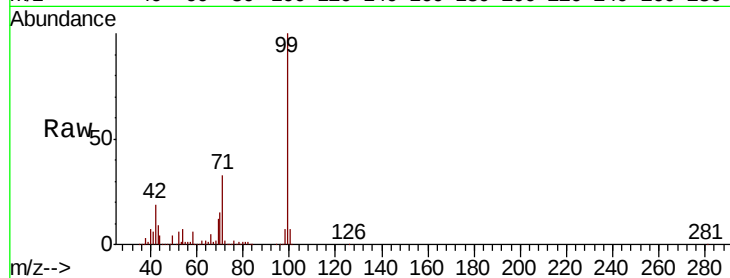
Tot Ion: 99 Resp: 1045735

Ion Ratio Lower Upper

99 100

42 18.6 15.0 22.4

71 32.9 26.3 39.5



#19

n-Nitroso-di-n-propylamine

Concen: 10.585 ng

RT: 7.39 min Scan# 936

Delta R.T. 0.14 min

Lab File: BF120507.D

Acq: 3 Jun 2020 14:13

Tgt Ion: 70 Resp: 101870

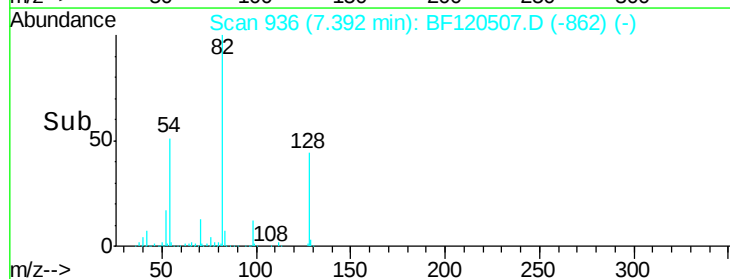
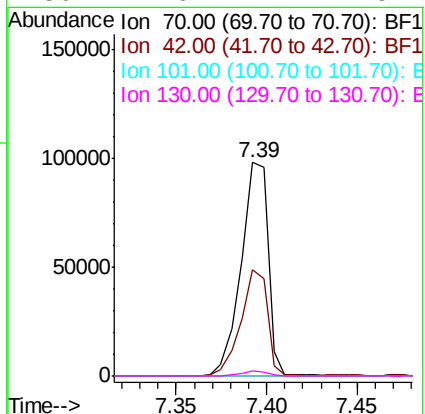
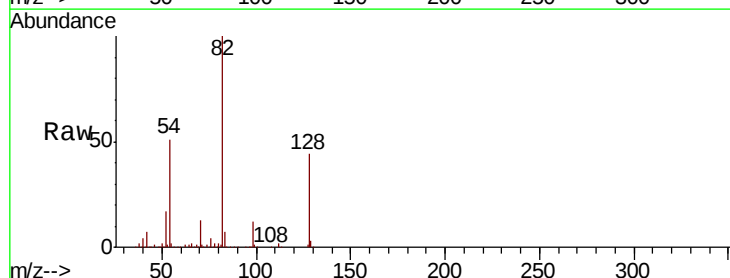
Ion Ratio Lower Upper

70 100

42 49.5 47.6 71.4

101 0.0 7.4 11.0#

130 2.6 17.1 25.7#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.12 min Scan# 1059

Delta R.T. -0.01 min

Lab File: BF120507.D

Acq: 3 Jun 2020 14:13

Instrument :

BNA_F

ClientSampleId :

NM34-COMP-2020-0-6

Tot Ion:136 Resp: 887408

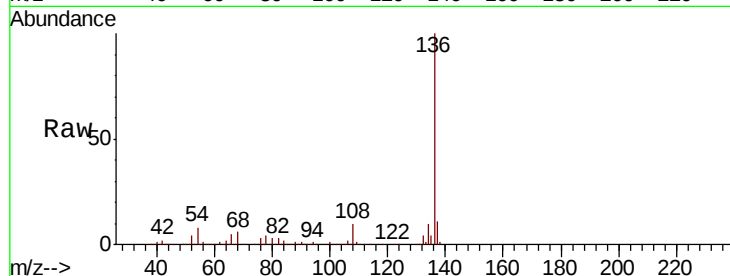
Ion Ratio Lower Upper

136 100

137 11.2 9.0 13.4

54 7.7 6.0 9.0

68 5.9 4.8 7.2

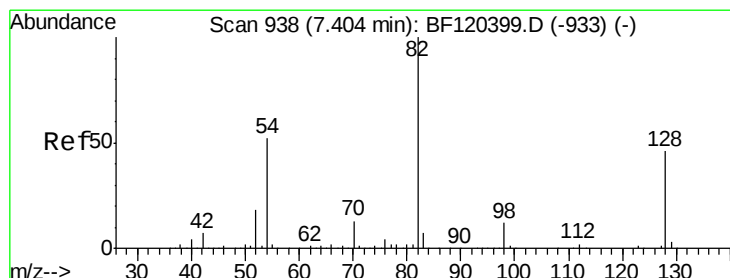
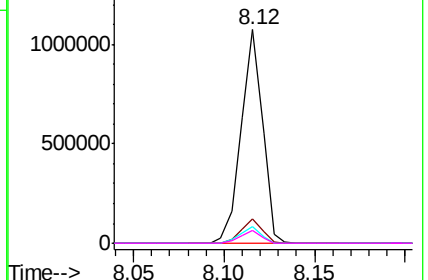
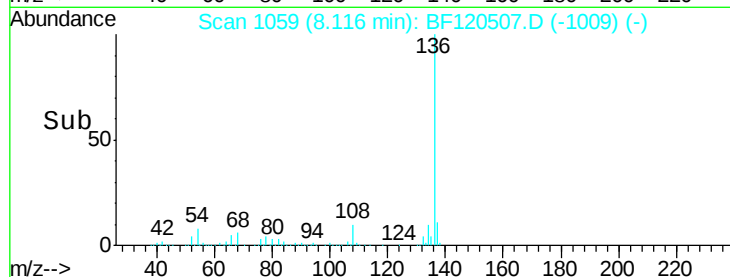


Abundance Ion 136.00 (135.70 to 136.70): E

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: 56.918 ng

RT: 7.39 min Scan# 936

Delta R.T. -0.01 min

Lab File: BF120507.D

Acq: 3 Jun 2020 14:13

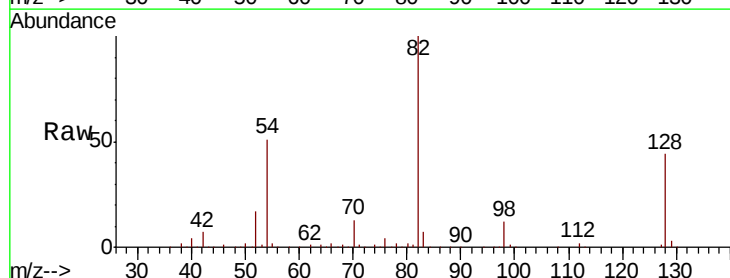
Tgt Ion: 82 Resp: 772163

Ion Ratio Lower Upper

82 100

128 44.0 37.4 56.0

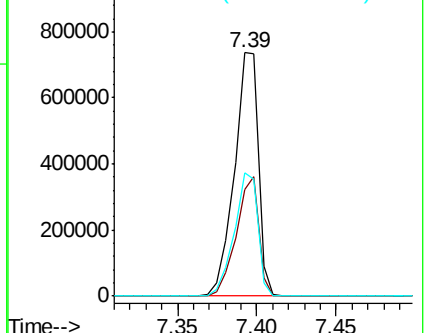
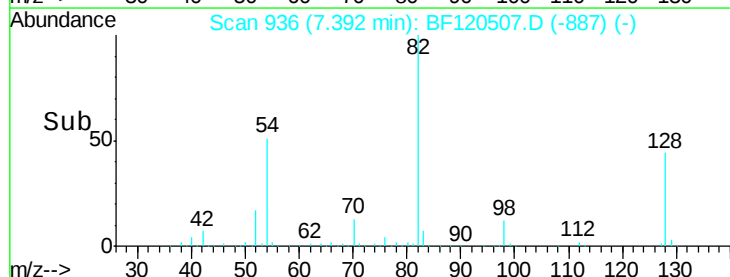
54 50.6 40.7 61.1



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: 28.192 ng

RT: 7.39 min Scan# 936

Delta R.T. -0.27 min

Lab File: BF120507.D

Acq: 3 Jun 2020 14:13

Instrument :

BNA_F

ClientSampleId :

NM34-COMP-2020-0-6

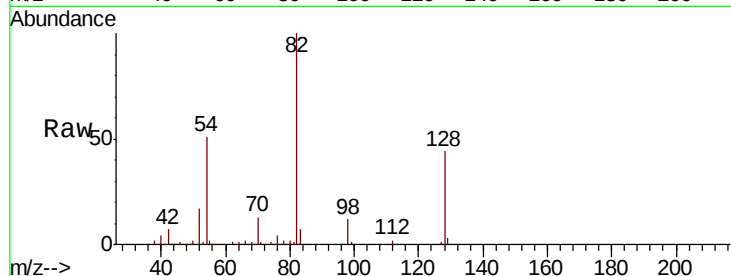
Tot Ion: 82 Resp: 768678

Ion Ratio Lower Upper

82 100

95 0.0 5.5 8.3#

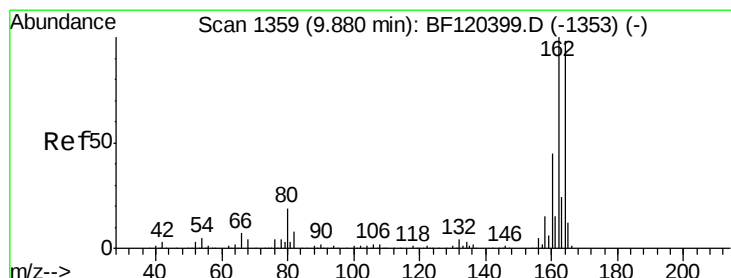
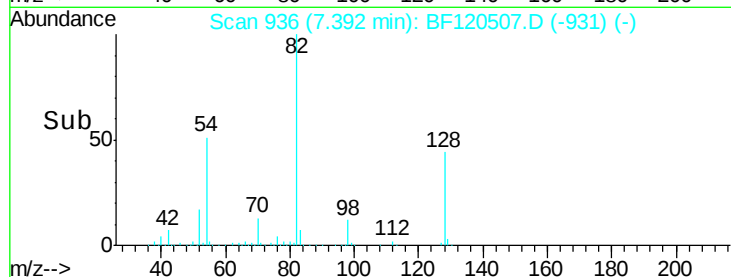
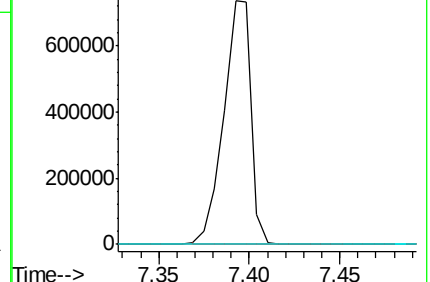
138 0.0 15.0 22.6#



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: 9.87 min Scan# 1357

Delta R.T. -0.01 min

Lab File: BF120507.D

Acq: 3 Jun 2020 14:13

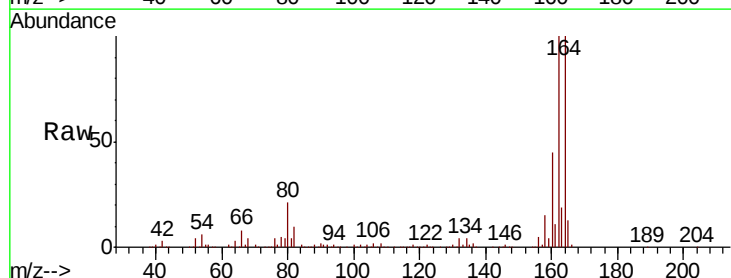
Tgt Ion: 164 Resp: 455941

Ion Ratio Lower Upper

164 100

162 99.6 81.8 122.6

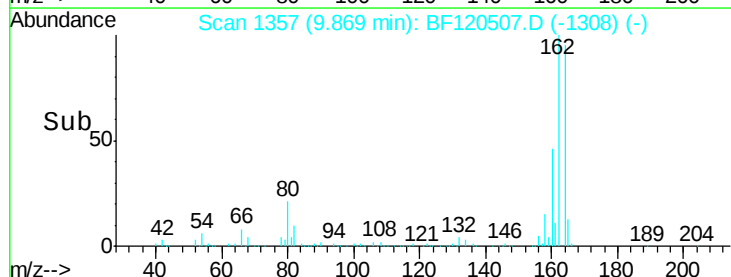
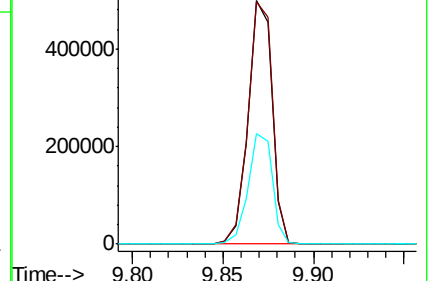
160 45.2 37.3 55.9



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

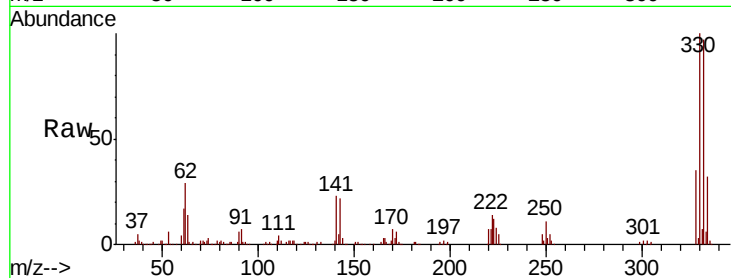




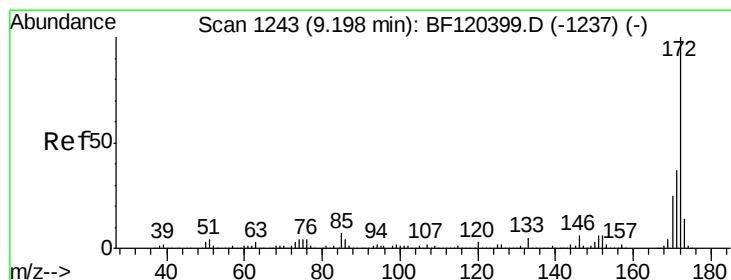
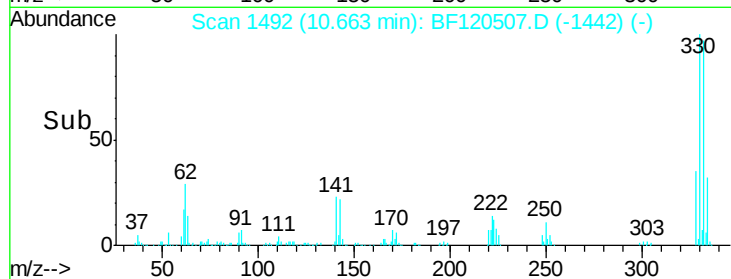
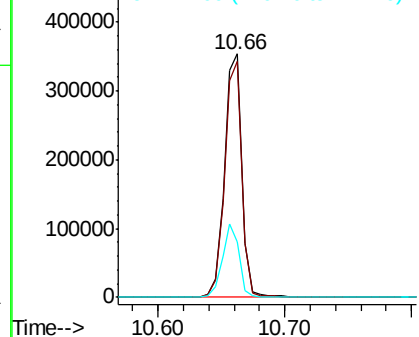
#42
 2,4,6-Tribromophenol
 Concen: 80.399 ng
 RT: 10.66 min Scan# 1492
 Delta R.T. -0.01 min
 Lab File: BF120507.D
 Acq: 3 Jun 2020 14:13

Instrument :
 BNA_F
 ClientSampleId :
 NM34-COMP-2020-0-6

Tot Ion	Ratio	Lower	Upper
330	100		
332	96.6	77.4	116.2
141	29.5	23.5	35.3

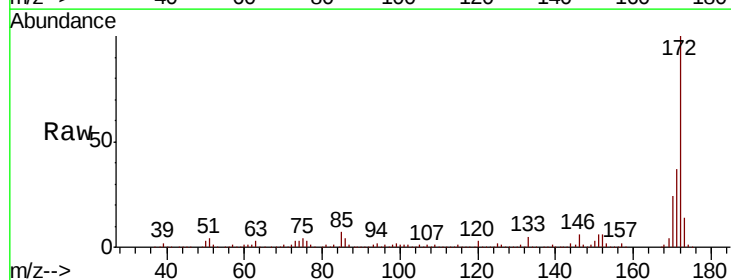


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

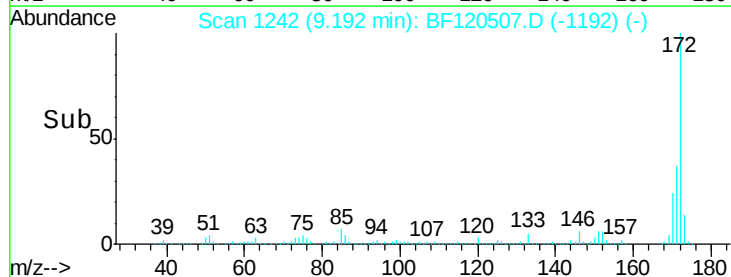
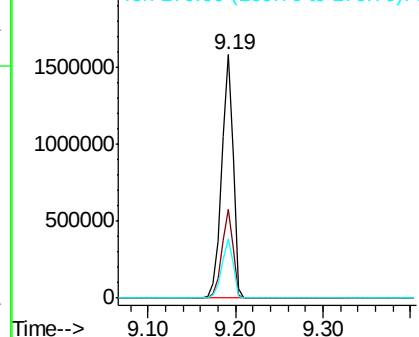


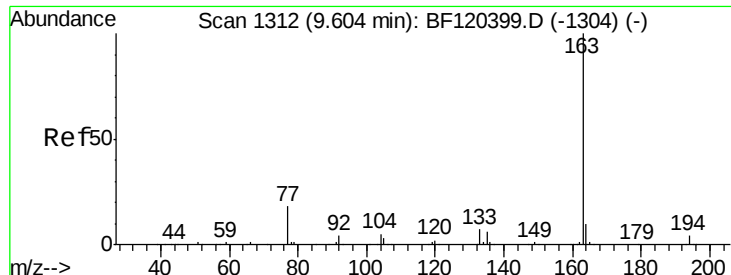
#45
 2-Fluorobiphenyl
 Concen: 53.840 ng
 RT: 9.19 min Scan# 1242
 Delta R.T. -0.01 min
 Lab File: BF120507.D
 Acq: 3 Jun 2020 14:13

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.7	29.2	43.8
170	24.4	20.1	30.1



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

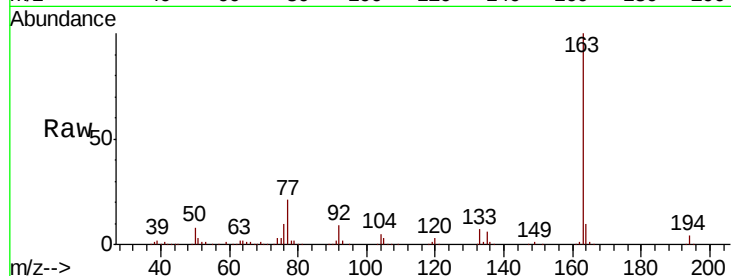




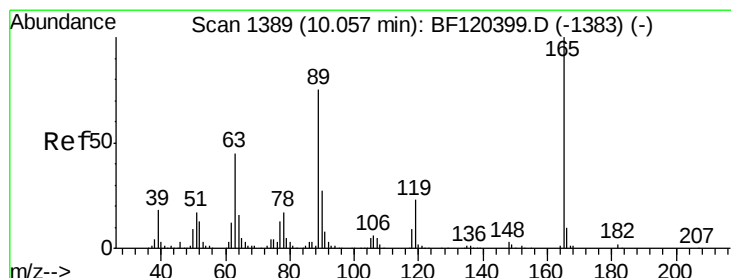
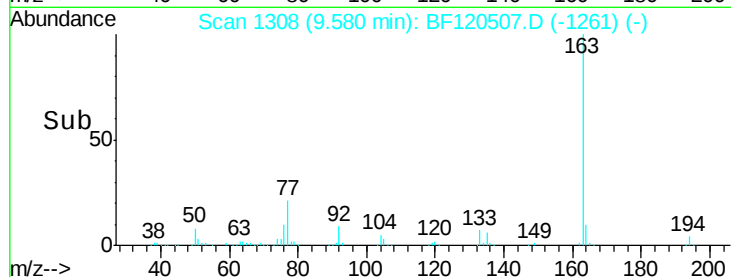
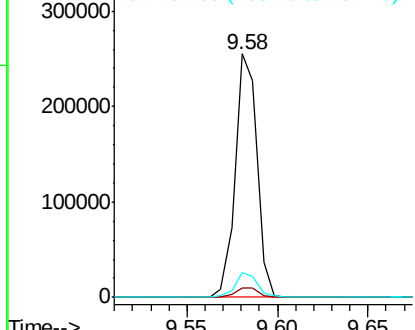
#50
Dimethylphthalate
Concen: 7.488 ng
RT: 9.58 min Scan# 1308
Delta R.T. -0.02 min
Lab File: BF120507.D
Acq: 3 Jun 2020 14:13

Instrument :
BNA_F
ClientSampleId :
NM34-COMP-2020-0-6

Tot Ion:163 Resp: 213426
Ion Ratio Lower Upper
163 100
194 3.9 3.1 4.7
164 10.4 8.2 12.4

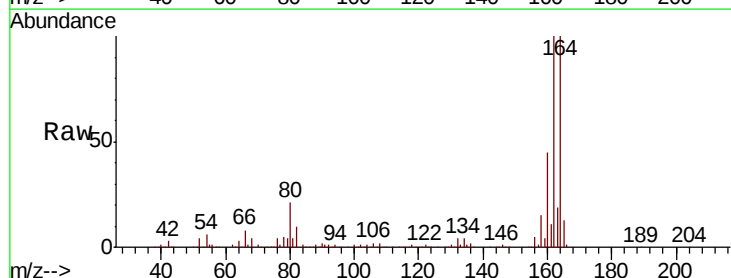


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

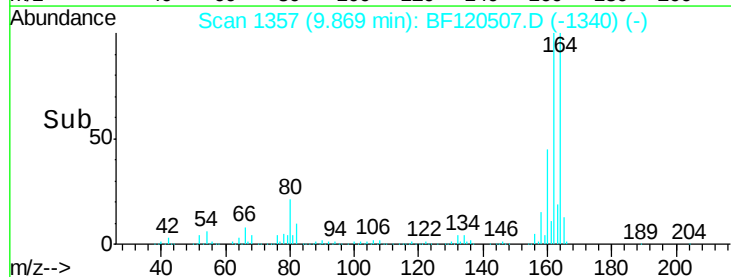
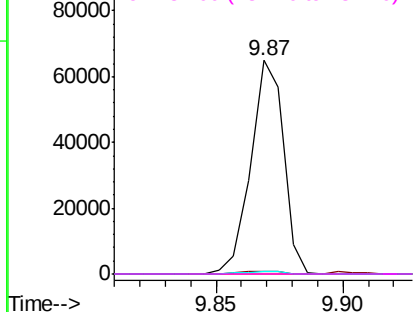


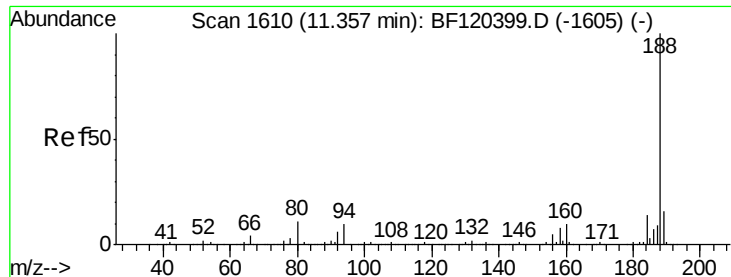
#57
2,4-Dinitrotoluene
Concen: 7.246 ng
RT: 9.87 min Scan# 1357
Delta R.T. -0.20 min
Lab File: BF120507.D
Acq: 3 Jun 2020 14:13

Tgt Ion:165 Resp: 58742
Ion Ratio Lower Upper
165 100
63 1.2 33.4 50.0#
89 1.2 54.7 82.1#
182 0.0 2.1 3.1#



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

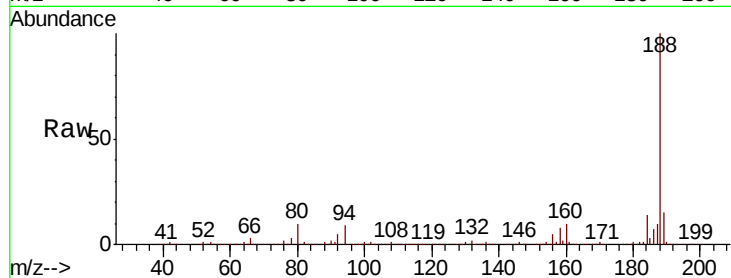




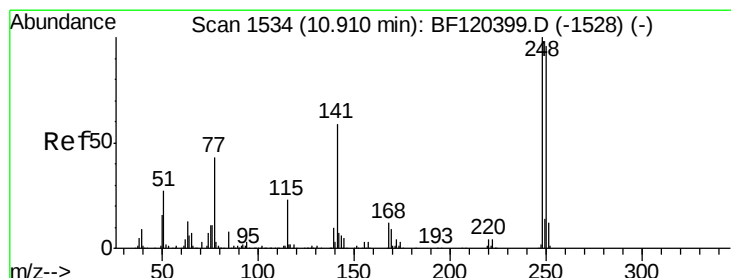
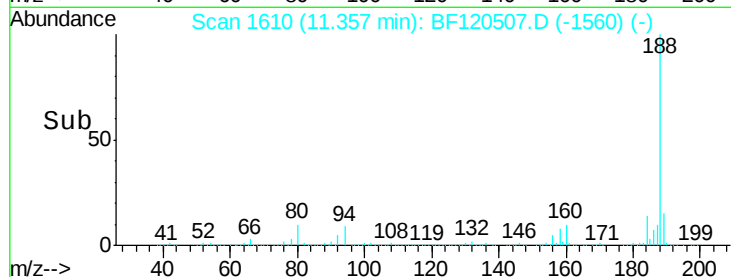
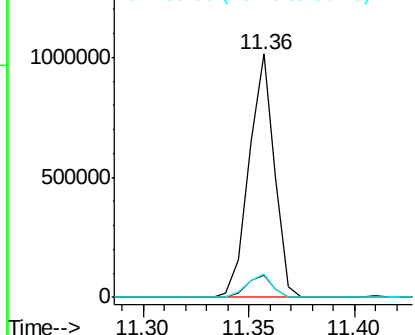
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.36 min Scan# 1610
Delta R.T. -0.01 min
Lab File: BF120507.D
Acq: 3 Jun 2020 14:13

Instrument :
BNA_F
ClientSampleId :
NM34-COMP-2020-0-6

Tot Ion:188 Resp: 841437
Ion Ratio Lower Upper
188 100
94 9.3 7.5 11.3
80 9.6 7.9 11.9

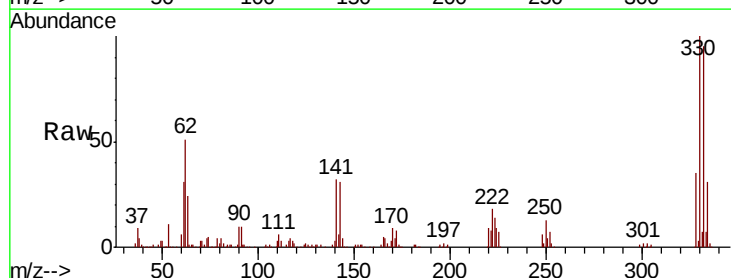


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF1
Ion 80.00 (79.70 to 80.70): BF1

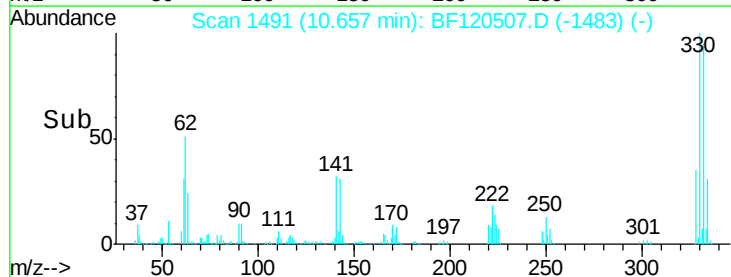
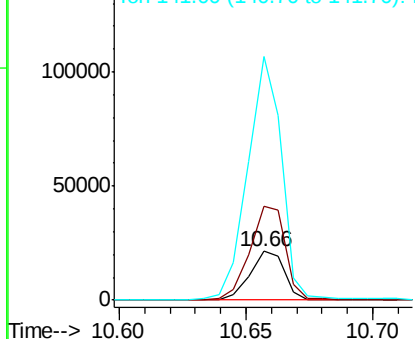


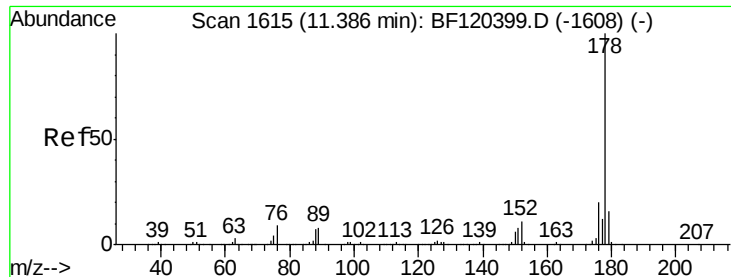
#67
4-Bromophenyl-phenylether
Concen: 2.411 ng
RT: 10.66 min Scan# 1491
Delta R.T. -0.25 min
Lab File: BF120507.D
Acq: 3 Jun 2020 14:13

Tgt Ion:248 Resp: 20479
Ion Ratio Lower Upper
248 100
250 193.6 78.0 117.0#
141 499.4 50.3 75.5#



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: 4.230 ng

RT: 11.38 min Scan# 1614

Delta R.T. -0.01 min

Lab File: BF120507.D

Acq: 3 Jun 2020 14:13

Instrument :

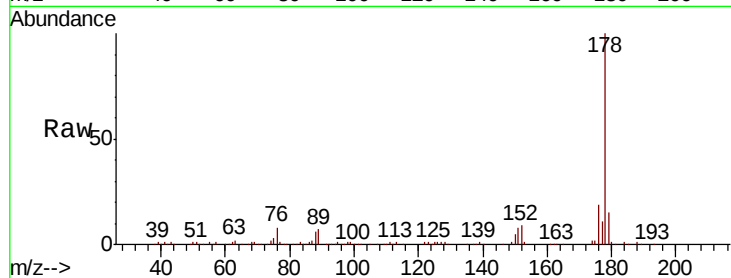
BNA_F

ClientSampleId :

NM34-COMP-2020-0-6

Tot Ion:178 Resp: 156817

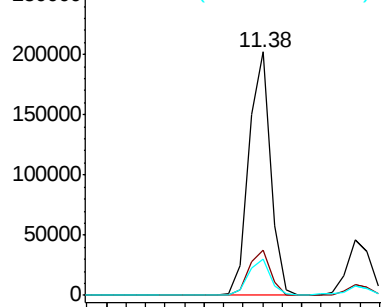
Ion	Ratio	Lower	Upper
178	100		
176	18.6	16.6	24.8
179	15.1	13.0	19.4



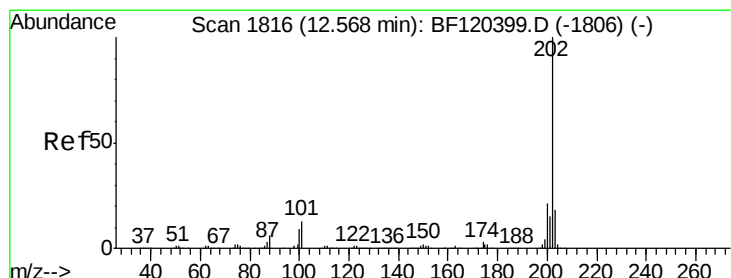
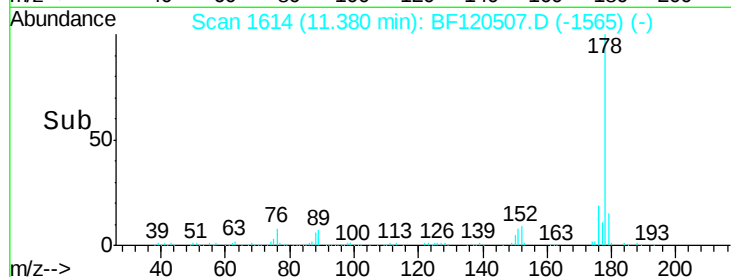
Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



Time--> 11.30 11.35 11.40



#75

Fluoranthene

Concen: 7.872 ng

RT: 12.57 min Scan# 1816

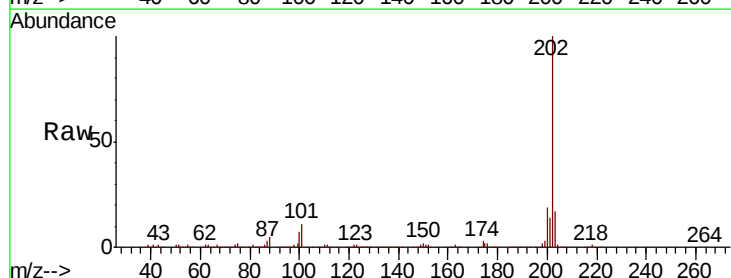
Delta R.T. -0.01 min

Lab File: BF120507.D

Acq: 3 Jun 2020 14:13

Tgt Ion:202 Resp: 314037

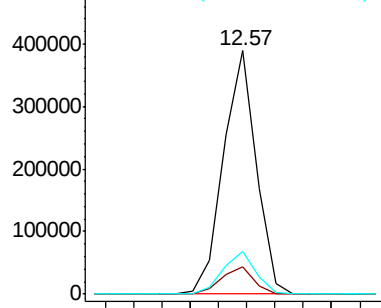
Ion	Ratio	Lower	Upper
202	100		
101	11.0	0.0	30.4
203	17.4	0.0	38.2



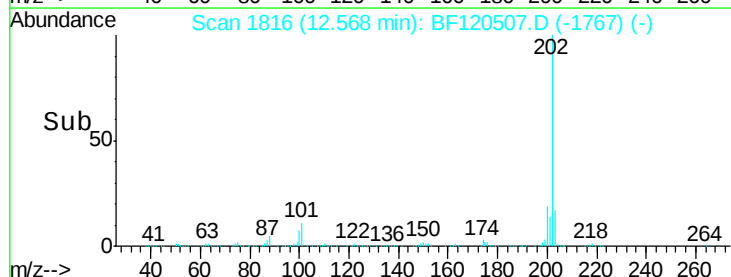
Abundance Ion 202.00 (201.70 to 202.70): E

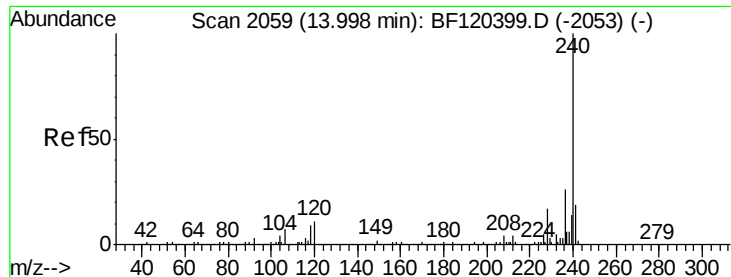
Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



Time--> 12.55 12.60

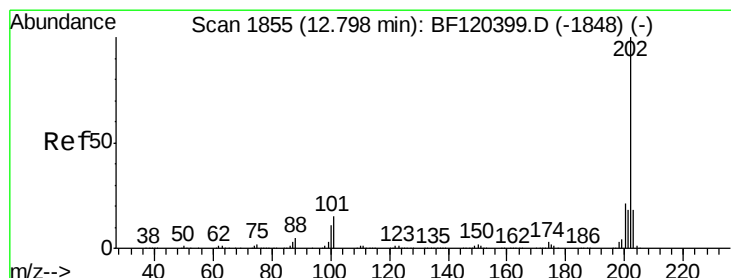
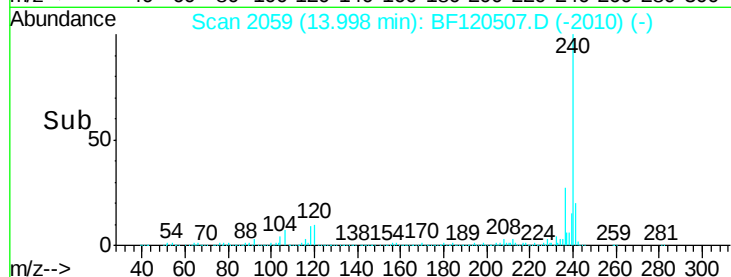
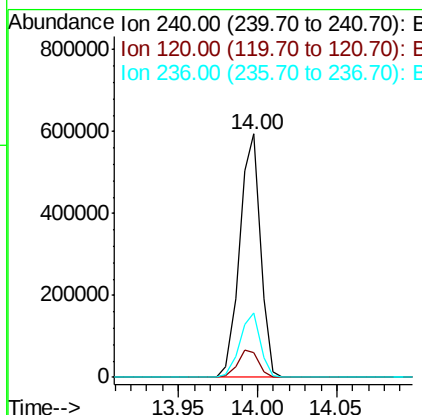
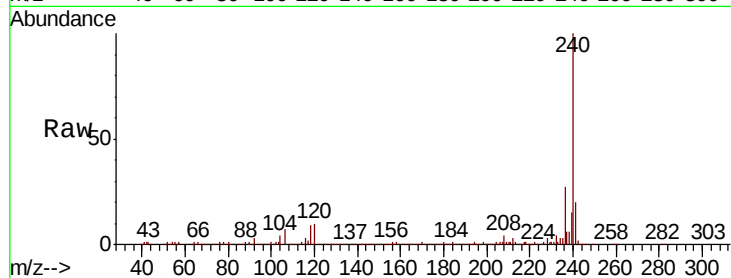




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.00 min Scan# 2059
Delta R.T. -0.01 min
Lab File: BF120507.D
Acq: 3 Jun 2020 14:13

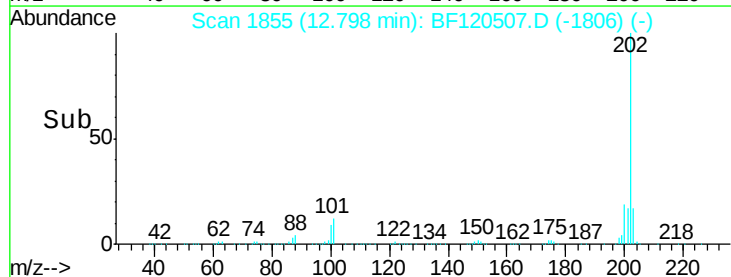
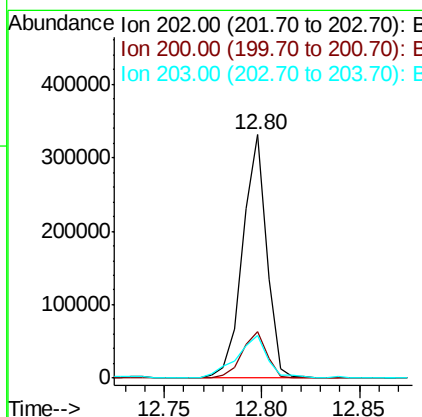
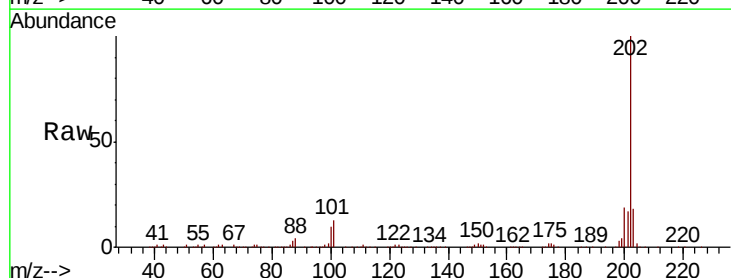
Instrument :
BNA_F
ClientSampleId :
NM34-COMP-2020-0-6

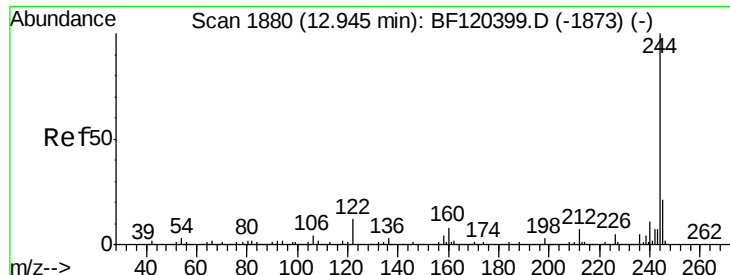
Tot Ion:240 Resp: 540534
Ion Ratio Lower Upper
240 100
120 10.0 7.9 11.9
236 26.7 21.1 31.7



#78
Pyrene
Concen: 7.488 ng
RT: 12.80 min Scan# 1855
Delta R.T. -0.01 min
Lab File: BF120507.D
Acq: 3 Jun 2020 14:13

Tgt Ion:202 Resp: 281485
Ion Ratio Lower Upper
202 100
200 19.3 17.3 25.9
203 17.5 14.5 21.7





#79

Terphenyl-d14

Concen: 61.026 ng

RT: 12.94 min Scan# 1880

Delta R.T. -0.01 min

Lab File: BF120507.D

Acq: 3 Jun 2020 14:13

Instrument :

BNA_F

ClientSampleId :

NM34-COMP-2020-0-6

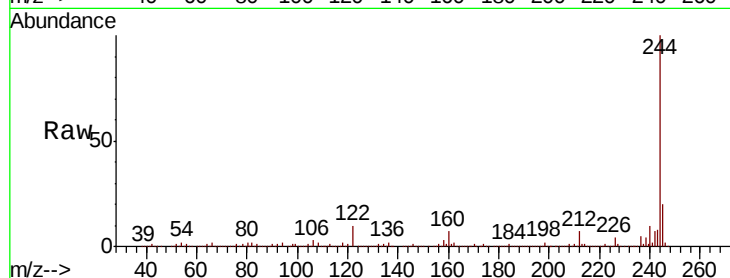
Tot Ion:244 Resp: 1482378

Ion Ratio Lower Upper

244 100

212 6.8 5.8 8.8

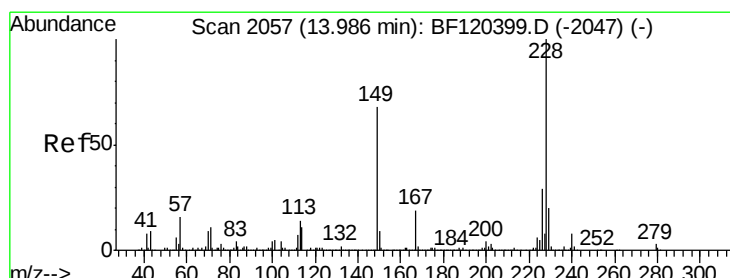
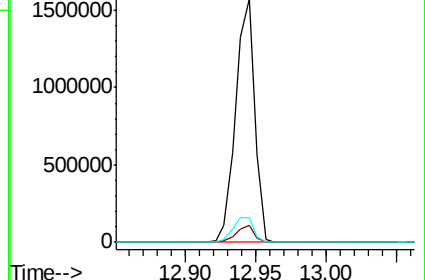
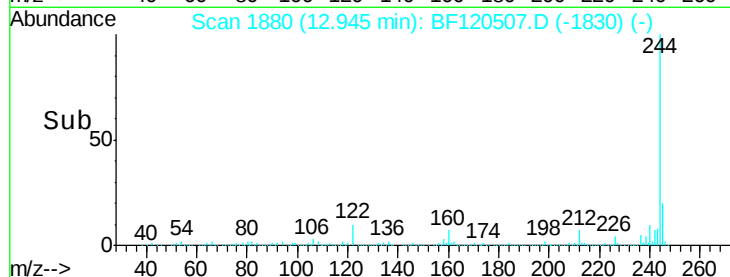
122 10.2 8.2 12.4



Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#81

Benzo(a)anthracene

Concen: 4.191 ng

RT: 13.99 min Scan# 2057

Delta R.T. -0.01 min

Lab File: BF120507.D

Acq: 3 Jun 2020 14:13

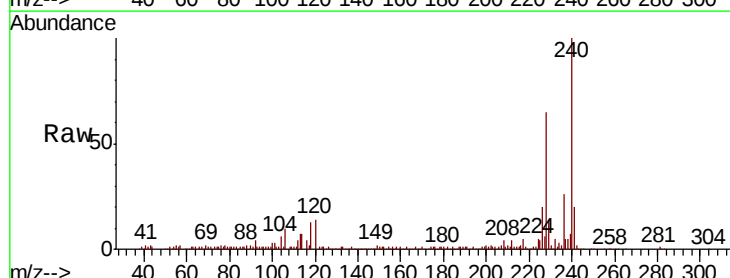
Tgt Ion:228 Resp: 121419

Ion Ratio Lower Upper

228 100

226 31.2 22.7 34.1

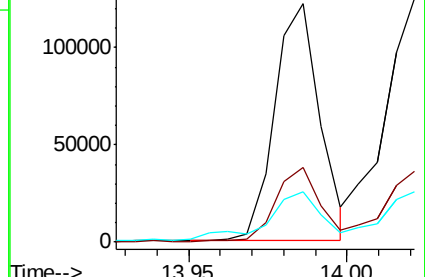
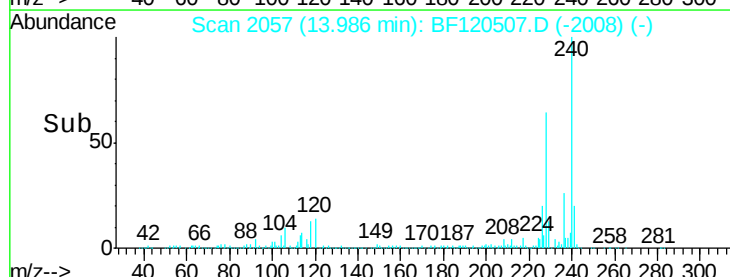
229 21.3 16.3 24.5

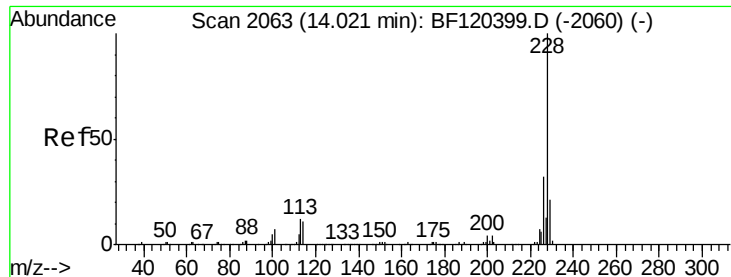


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

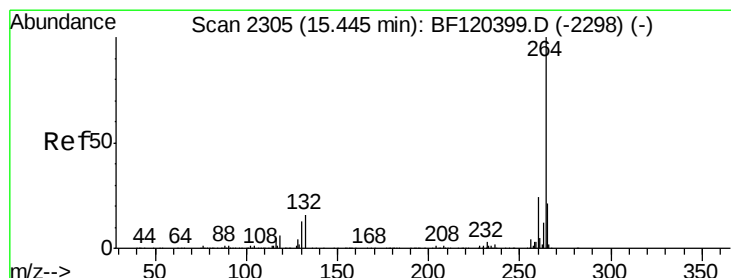
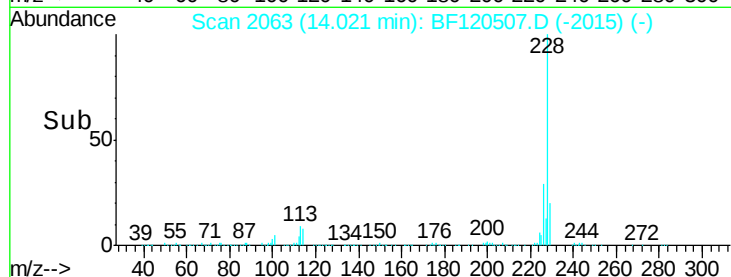
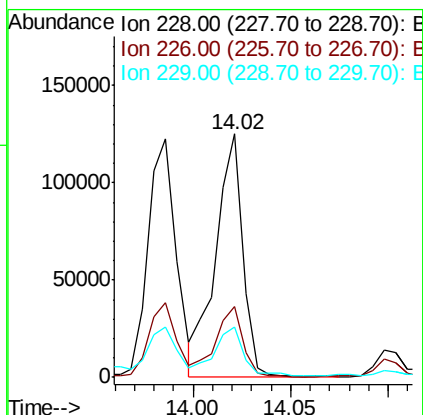
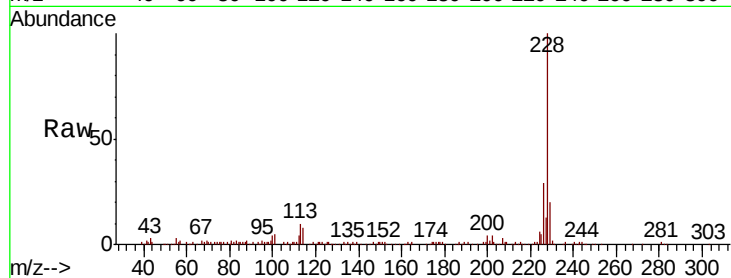




#83
Chrysene
Concen: 3.973 ng
RT: 14.02 min Scan# 2063
Delta R.T. -0.02 min
Lab File: BF120507.D
Acq: 3 Jun 2020 14:13

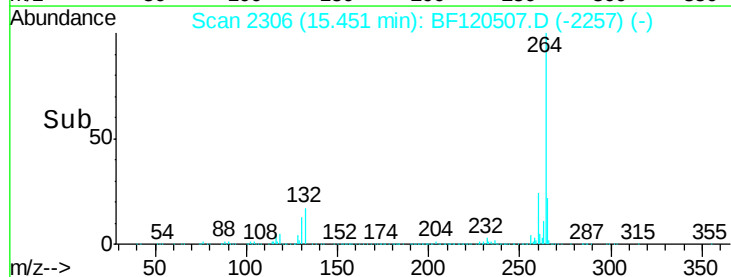
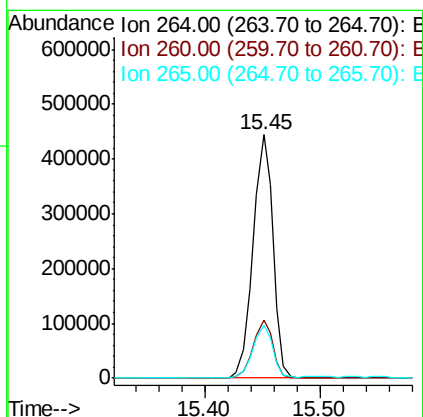
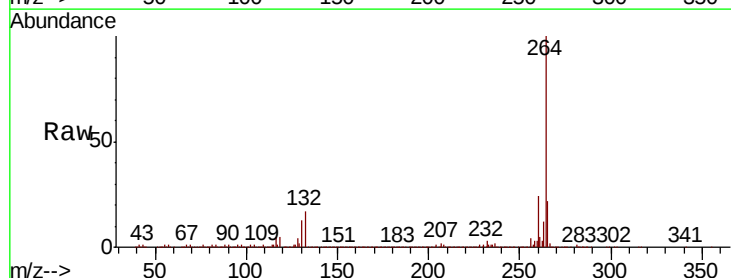
Instrument :
BNA_F
ClientSampleId :
NM34-COMP-2020-0-6

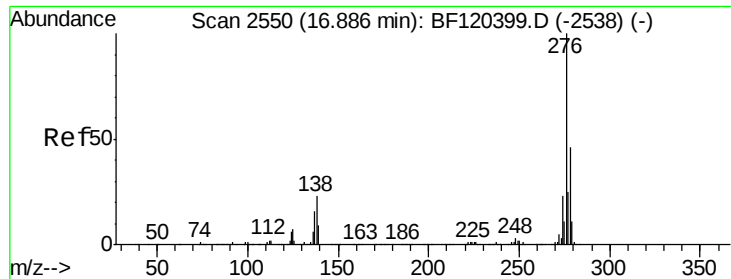
Tot Ion:228 Resp: 120656
Ion Ratio Lower Upper
228 100
226 29.2 25.2 37.8
229 20.5 16.1 24.1



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.45 min Scan# 2306
Delta R.T. -0.01 min
Lab File: BF120507.D
Acq: 3 Jun 2020 14:13

Tgt Ion:264 Resp: 535864
Ion Ratio Lower Upper
264 100
260 23.7 19.8 29.8
265 21.9 17.5 26.3

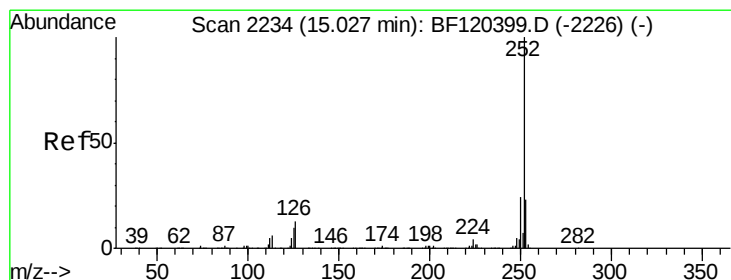
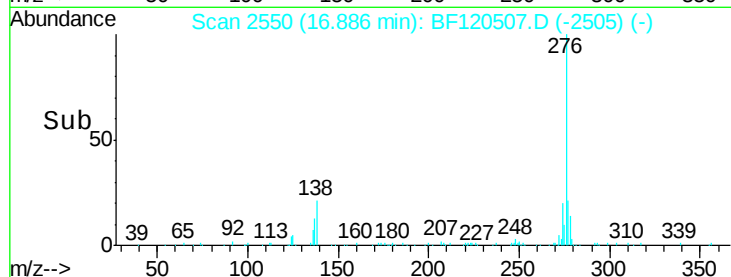
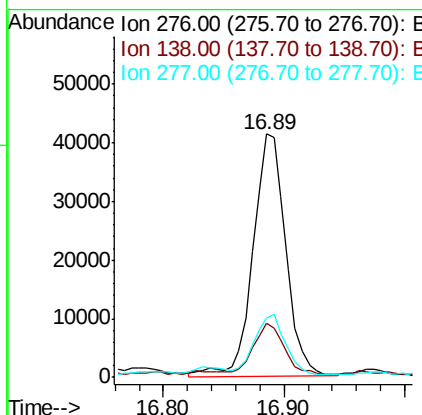
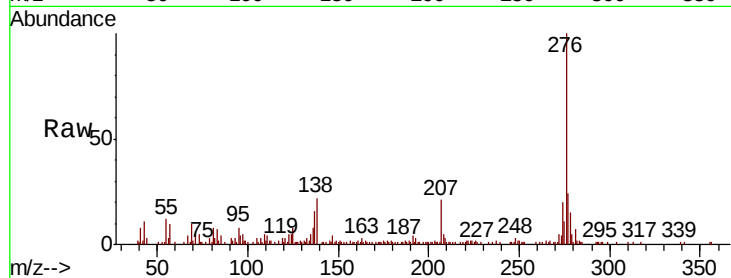




#87
 Indeno(1,2,3-cd)pyrene
 Concen: 2.669 ng
 RT: 16.89 min Scan# 2550
 Delta R.T. -0.04 min
 Lab File: BF120507.D
 Acq: 3 Jun 2020 14:13

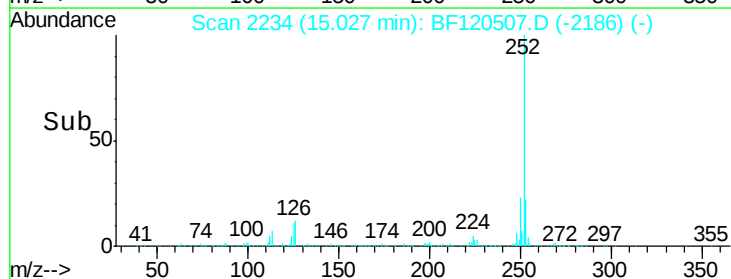
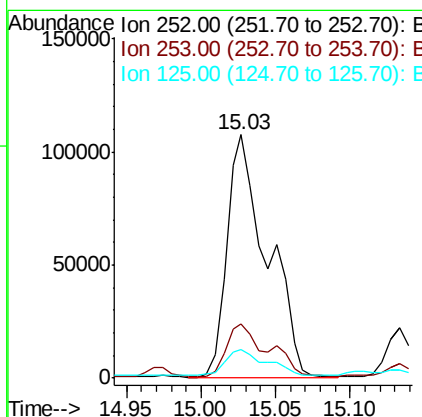
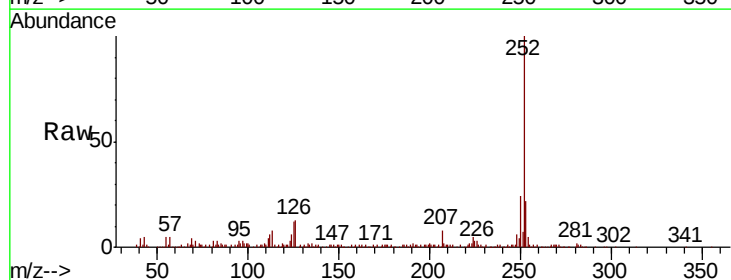
Instrument :
 BNA_F
 ClientSampleId :
 NM34-COMP-2020-0-6

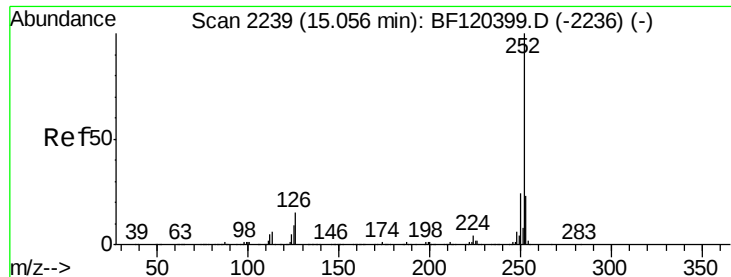
Tot Ion	Ratio	Lower	Upper
276	100		
138	19.8	19.2	28.8
277	23.2	20.4	30.6



#88
 Benzo(b)fluoranthene
 Concen: 6.730 ng
 RT: 15.03 min Scan# 2234
 Delta R.T. -0.02 min
 Lab File: BF120507.D
 Acq: 3 Jun 2020 14:13

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.5	18.2	27.2
125	11.6	7.6	11.4

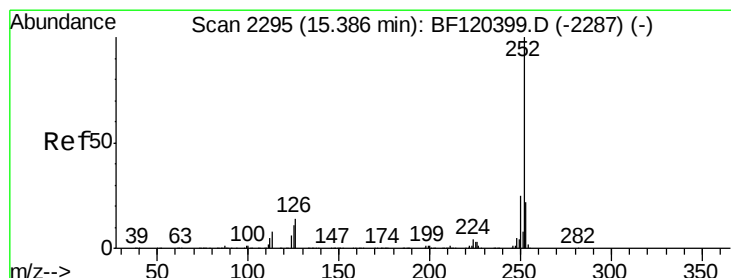
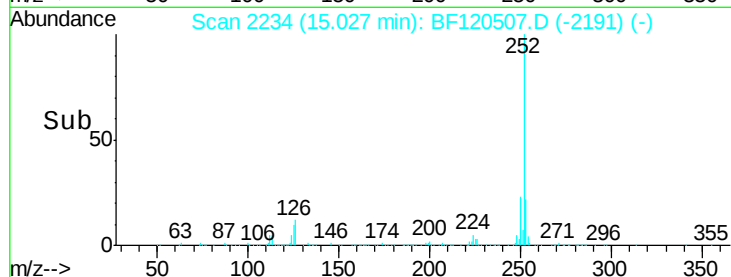
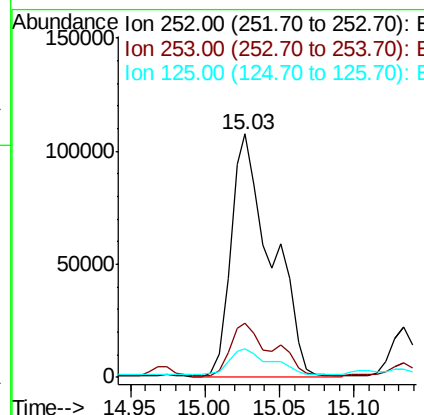
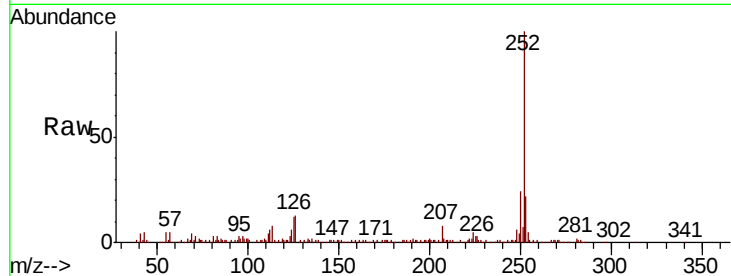




#89
Benzo(k)fluoranthene
Concen: 7.209 ng
RT: 15.03 min Scan# 2234
Delta R.T. -0.05 min
Lab File: BF120507.D
Acq: 3 Jun 2020 14:13

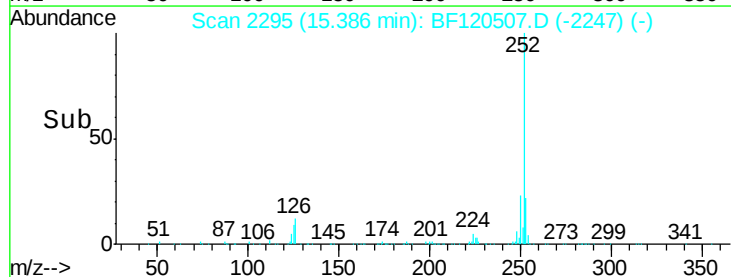
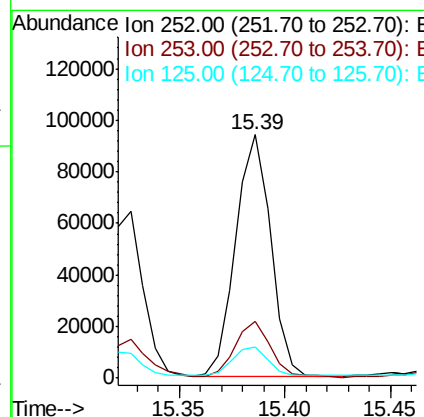
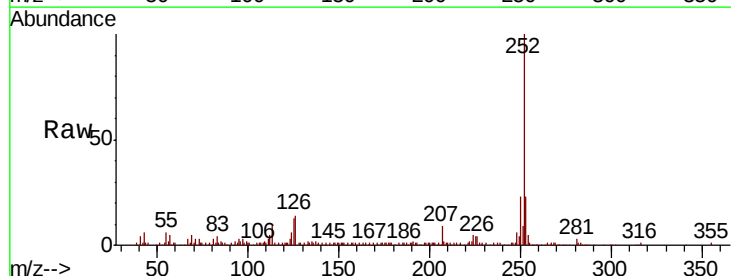
Instrument :
BNA_F
ClientSampleId :
NM34-COMP-2020-0-6

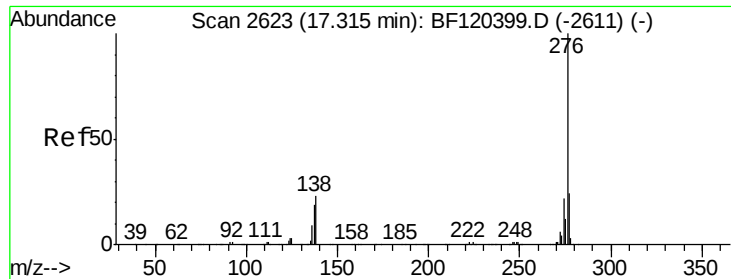
Tot Ion	Ratio	Lower	Upper
252	100		
253	22.5	17.6	26.4
125	11.6	7.5	11.3#



#90
Benzo(a)pyrene
Concen: 4.150 ng
RT: 15.39 min Scan# 2295
Delta R.T. -0.02 min
Lab File: BF120507.D
Acq: 3 Jun 2020 14:13

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.3	18.0	27.0
125	12.6	9.2	13.8

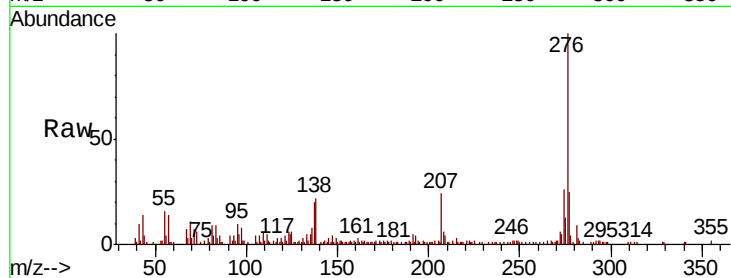




#92
 Benzo(a,h,i)perylene
 Concen: 3.148 ng
 RT: 17.33 min Scan# 2625
 Delta R.T. -0.04 min
 Lab File: BF120507.D
 Acq: 3 Jun 2020 14:13

Instrument :
 BNA_F
 ClientSampleId :
 NM34-COMP-2020-0-6

Tot Ion	Ratio	Lower	Upper
276	100		
277	24.9	19.4	29.2
138	21.7	16.6	25.0



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

