

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF052820\
 Data File : BF120415.D
 Acq On : 28 May 2020 18:33
 Operator : MA/SJ
 Sample : L2746-04
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 NM110-COMP-2020-0-6

Quant Time: May 29 02:10:40 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF052820.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu May 28 13:47:54 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.84	152	239718	20.00	ng	0.00
21) Naphthalene-d8	8.12	136	855847	20.00	ng	0.00
39) Acenaphthene-d10	9.87	164	400204	20.00	ng	0.00
64) Phenanthrene-d10	11.36	188	683873	20.00	ng	0.00
76) Chrysene-d12	13.99	240	547905	20.00	ng	0.00
86) Perylene-d12	15.44	264	557615	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.45	112	1093621	86.94	ng	0.00
7) Phenol-d6	6.46	99	1336256	86.19	ng	0.00
23) Nitrobenzene-d5	7.40	82	847624	64.78	ng	0.00
42) 2,4,6-Tribromophenol	10.66	330	334511	90.21	ng	0.00
45) 2-Fluorobiphenyl	9.20	172	1575437	66.79	ng	0.00
79) Terphenyl-d14	12.94	244	1516033	61.57	ng	0.00

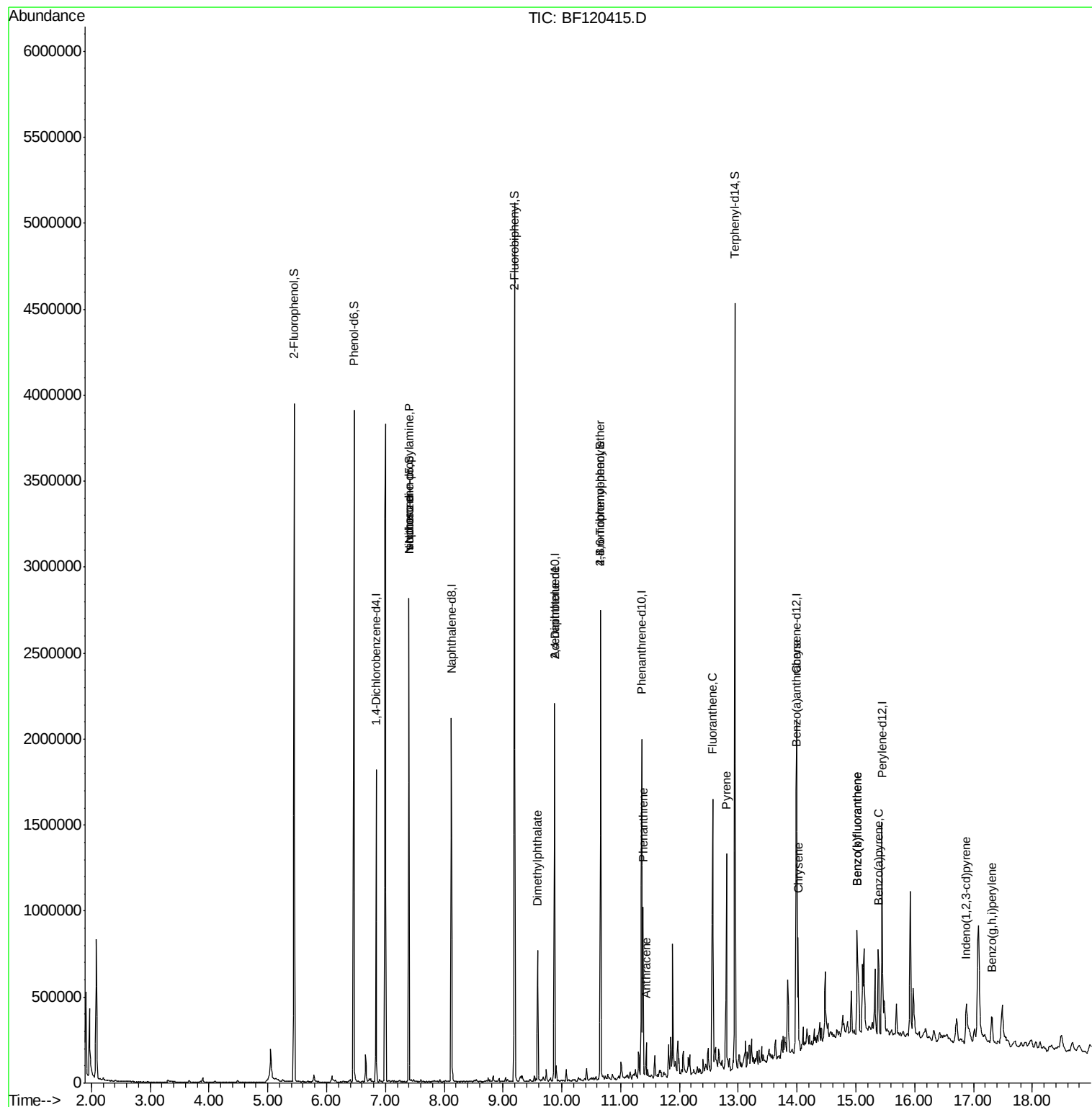
Target Compounds				Qvalue		
19) n-Nitroso-di-n-propylamine	7.40	70	114654	11.634	ng	# 79
25) Isophorone	7.40	82	845374	32.148	ng	# 64
50) Dimethylphthalate	9.59	163	280869	11.226	ng	99
57) 2,4-Dinitrotoluene	9.87	165	52804	7.420	ng	# 22
67) 4-Bromophenyl-phenylether	10.66	248	19436	2.816	ng	# 1
71) Phenanthrene	11.38	178	311428	10.335	ng	97
72) Anthracene	11.43	178	79365	2.625	ng	99
75) Fluoranthene	12.57	202	548709	16.923	ng	98
78) Pyrene	12.80	202	507654	13.323	ng	98
81) Benzo(a)anthracene	13.98	228	271016	9.229	ng	96
83) Chrysene	14.02	228	249264	8.097	ng	97
87) Indeno(1,2,3-cd)pyrene	16.88	276	149589	4.905	ng	95
88) Benzo(b)fluoranthene	15.02	252	455389	14.703	ng	97
89) Benzo(k)fluoranthene	15.02	252	455389	15.750	ng	98
90) Benzo(a)pyrene	15.38	252	237828	8.779	ng	98
92) Benzo(g,h,i)perylene	17.31	276	138671	5.655	ng	99

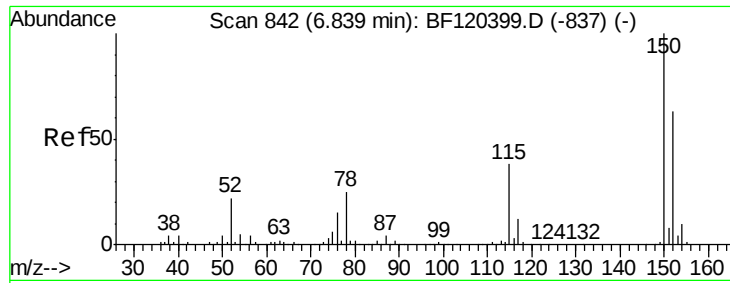
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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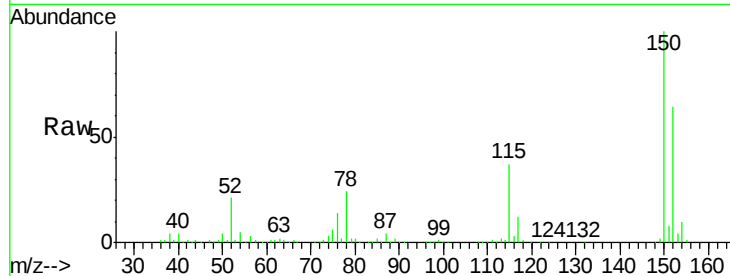


#1

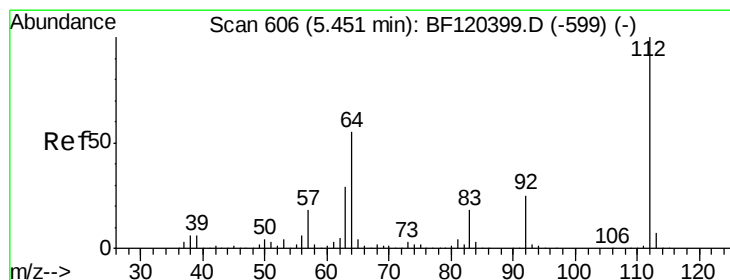
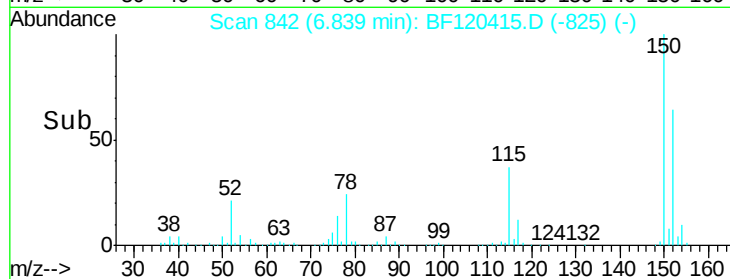
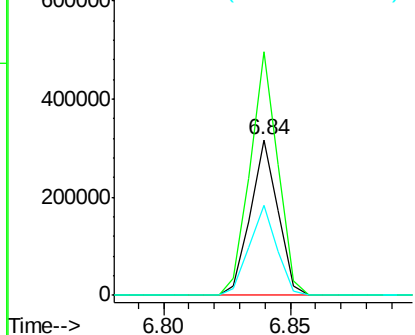
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.84 min Scan# 842
Delta R.T. 0.00 min
Lab File: BF120415.D
Acq: 28 May 2020 18:33

Instrument :
BNA_F
ClientSampleId :
NM110-COMP-2020-0-6

Tot Ion:152 Resp: 239718
Ion Ratio Lower Upper
152 100
150 156.4 126.5 189.7
115 57.8 47.6 71.4



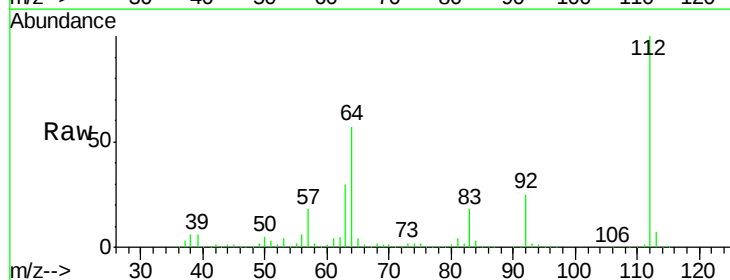
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



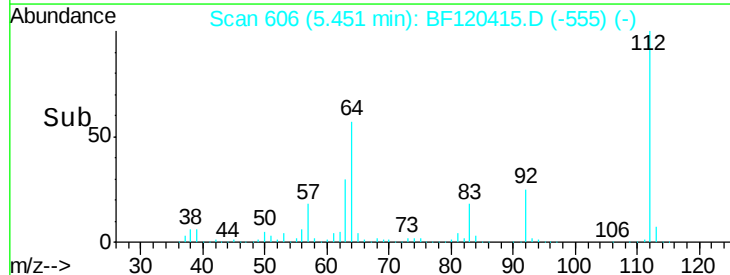
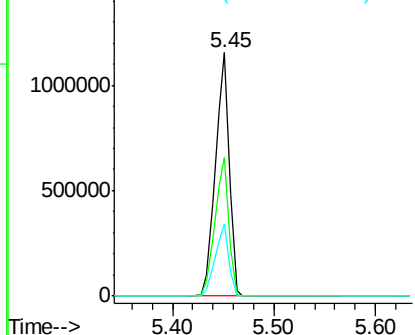
#5

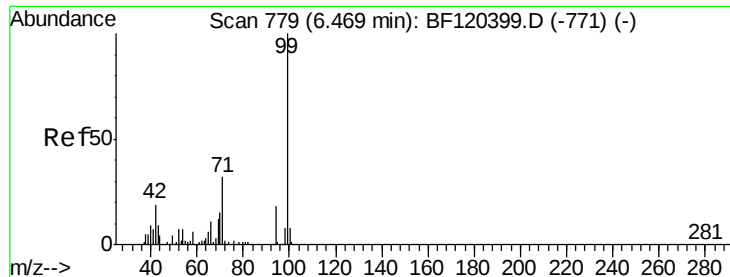
2-Fluorophenol
Concen: 86.942 ng
RT: 5.45 min Scan# 606
Delta R.T. 0.00 min
Lab File: BF120415.D
Acq: 28 May 2020 18:33

Tgt Ion:112 Resp: 1093621
Ion Ratio Lower Upper
112 100
64 57.0 44.3 66.5
63 29.5 22.9 34.3



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: 86.187 ng

RT: 6.46 min Scan# 778

Delta R.T. -0.01 min

Lab File: BF120415.D

Acq: 28 May 2020 18:33

Instrument :

BNA_F

ClientSampleId :

NM110-COMP-2020-0-6

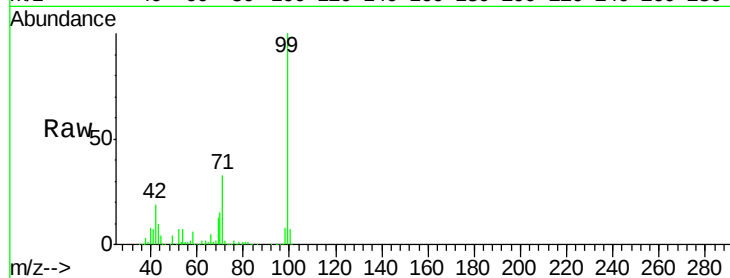
Tot Ion: 99 Resp: 1336256

Ion Ratio Lower Upper

99 100

42 19.0 15.2 22.8

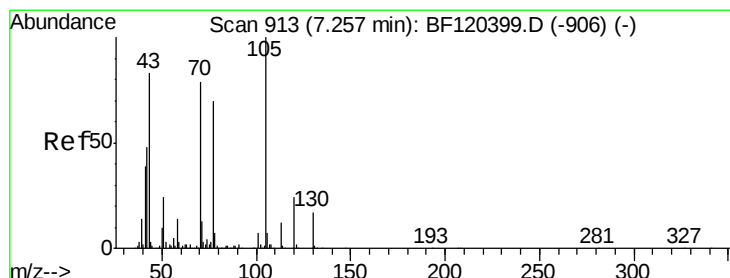
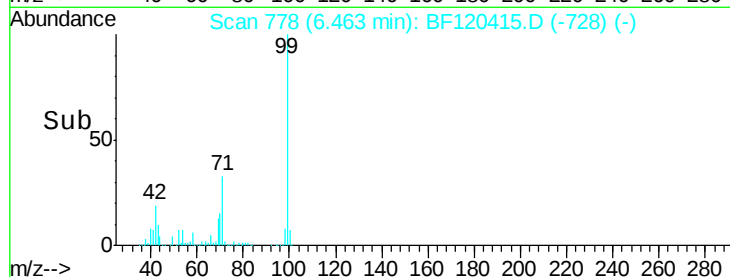
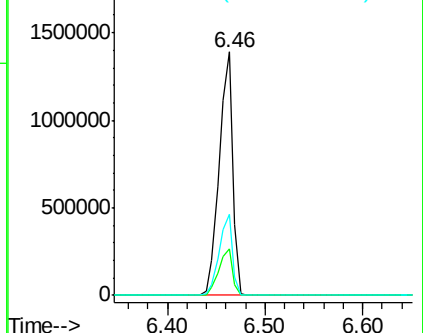
71 33.2 25.6 38.4



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: 11.634 ng

RT: 7.40 min Scan# 937

Delta R.T. 0.14 min

Lab File: BF120415.D

Acq: 28 May 2020 18:33

Tgt Ion: 70 Resp: 114654

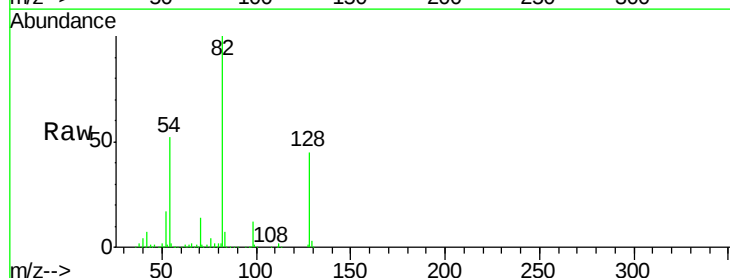
Ion Ratio Lower Upper

70 100

42 50.7 48.9 73.3

101 0.0 7.4 11.2#

130 2.0 16.8 25.2#

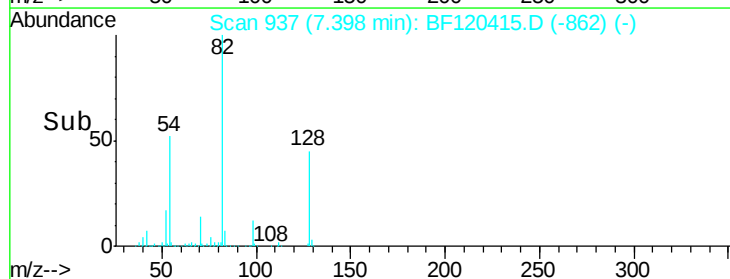
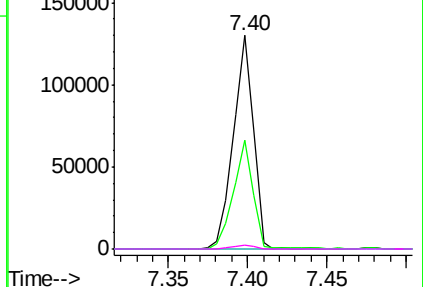


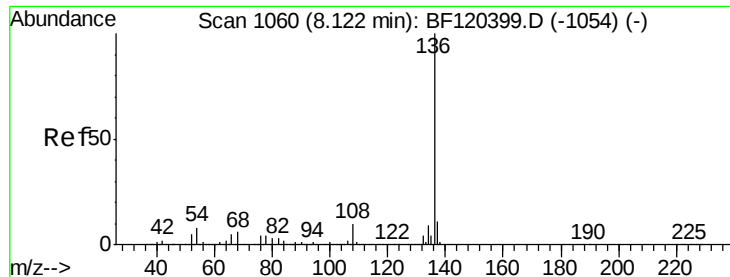
Abundance Ion 70.00 (69.70 to 70.70): BF1

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: 8.12 min Scan# 1060

Delta R.T. 0.00 min

Lab File: BF120415.D

Acq: 28 May 2020 18:33

Instrument :

BNA_F

ClientSampleId :

NM110-COMP-2020-0-6

Tot Ion:136 Resp: 855847

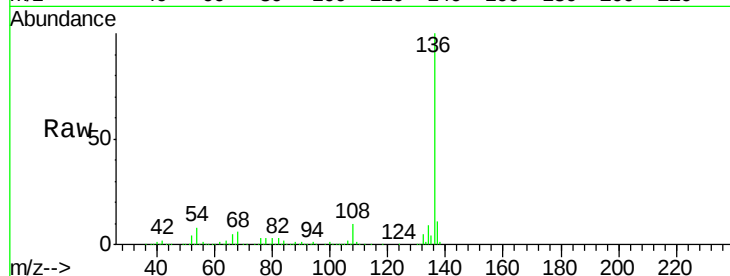
Ion Ratio Lower Upper

136 100

137 11.0 9.1 13.7

54 7.7 6.7 10.1

68 6.1 5.0 7.4

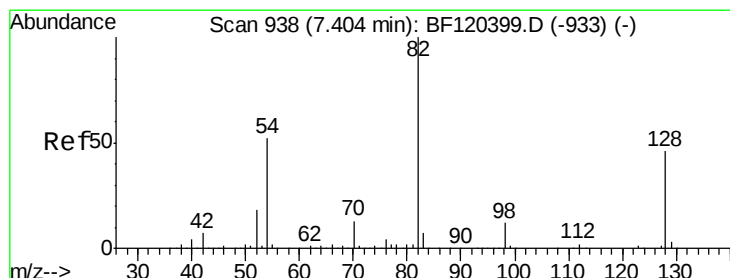
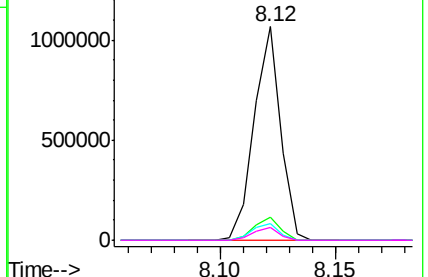
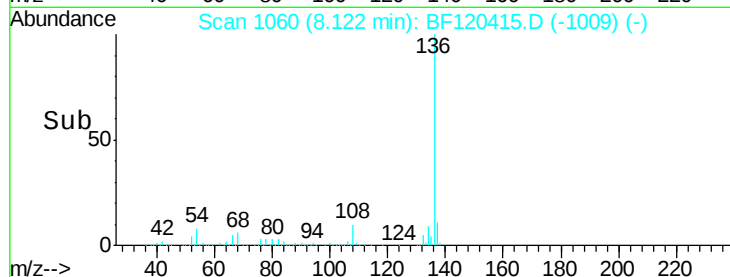


Abundance Ion 136.00 (135.70 to 136.70): E

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: 64.785 ng

RT: 7.40 min Scan# 937

Delta R.T. -0.01 min

Lab File: BF120415.D

Acq: 28 May 2020 18:33

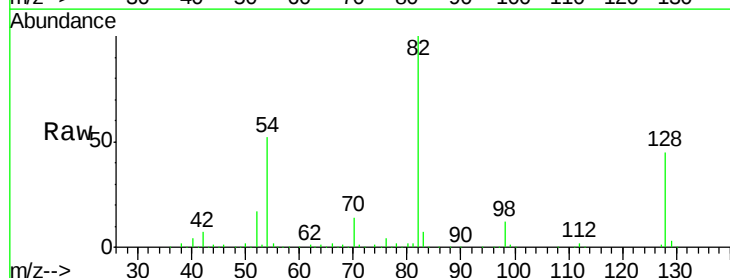
Tgt Ion: 82 Resp: 847624

Ion Ratio Lower Upper

82 100

128 45.0 36.8 55.2

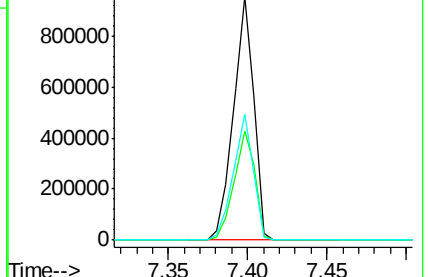
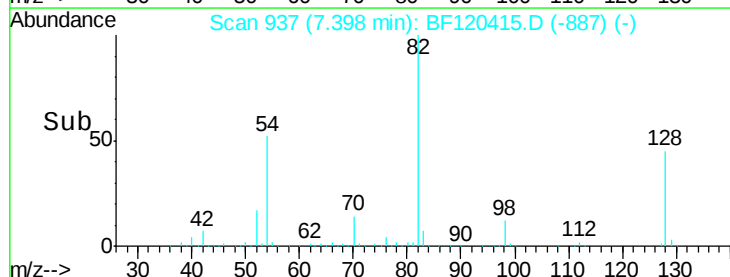
54 51.9 41.6 62.4

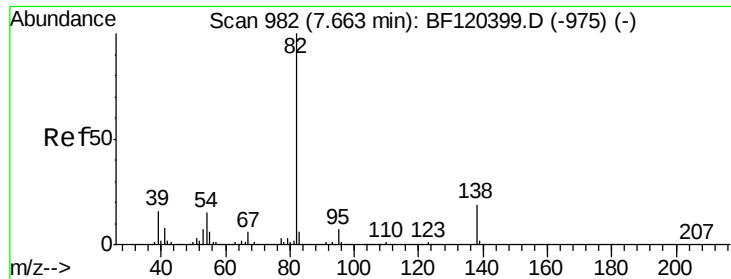


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 32.148 ng

RT: 7.40 min Scan# 937

Delta R.T. -0.26 min

Lab File: BF120415.D

Acq: 28 May 2020 18:33

Instrument :

BNA_F

ClientSampleId :

NM110-COMP-2020-0-6

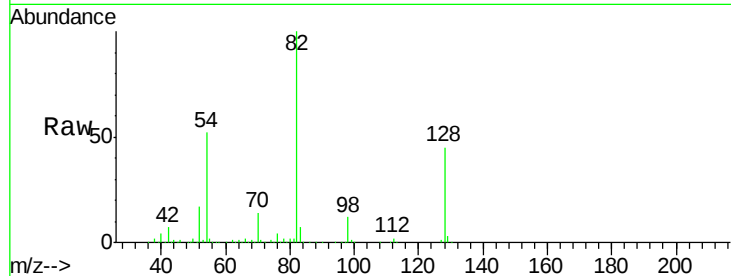
Tot Ion: 82 Resp: 845374

Ion Ratio Lower Upper

82 100

95 0.0 5.6 8.4#

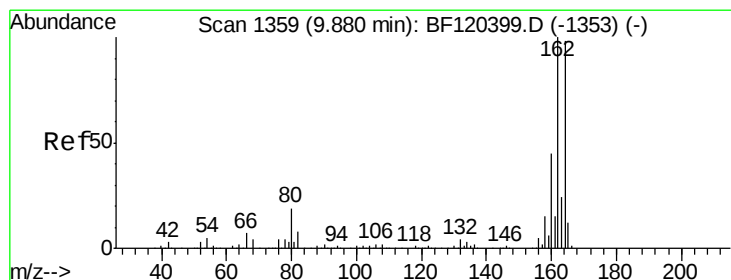
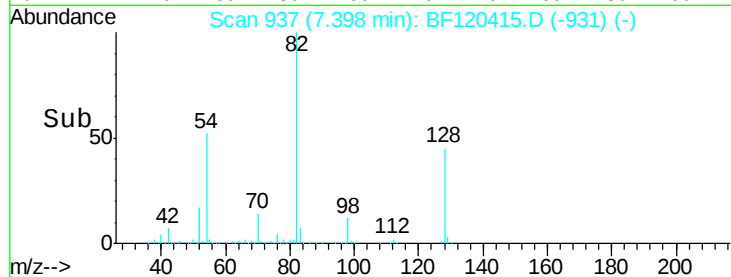
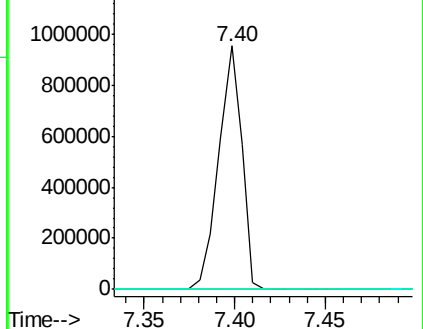
138 0.0 15.0 22.4#



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# 1358

Delta R.T. -0.01 min

Lab File: BF120415.D

Acq: 28 May 2020 18:33

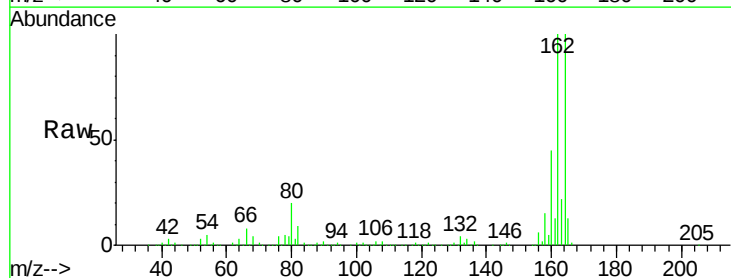
Tgt Ion: 164 Resp: 400204

Ion Ratio Lower Upper

164 100

162 100.4 81.3 121.9

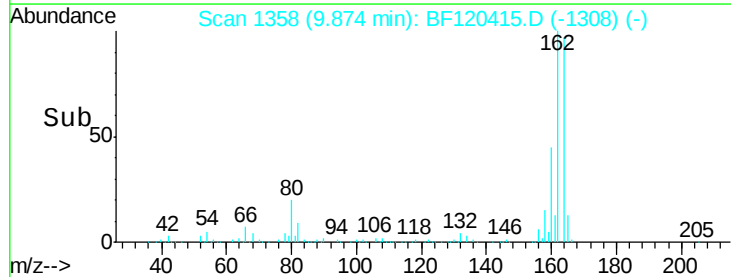
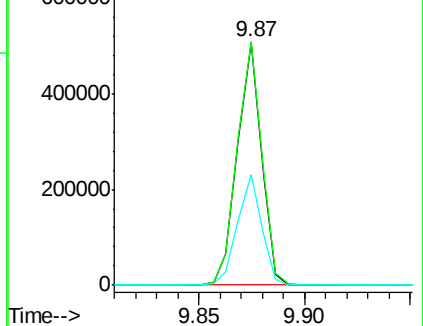
160 45.3 36.9 55.3

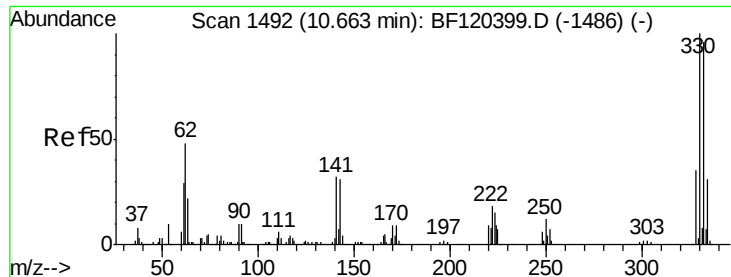


Abundance Ion 164.00 (163.70 to 164.70): BF1

Ion 162.00 (161.70 to 162.70): BF1

Ion 160.00 (159.70 to 160.70): BF1

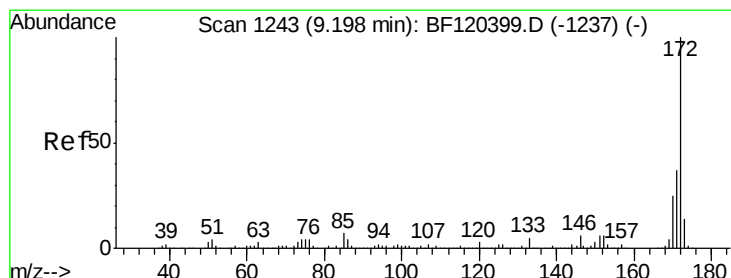
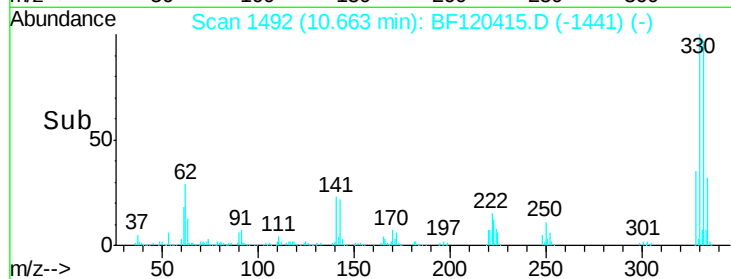
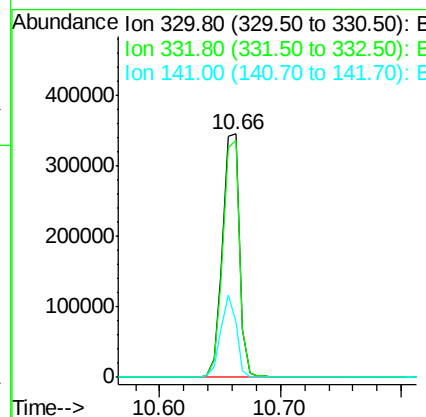
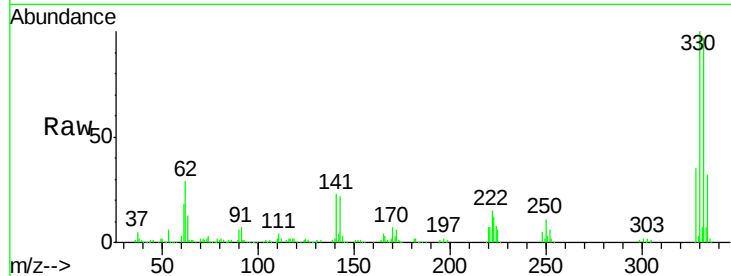




#42
 2,4,6-Tribromophenol
 Concen: 90.212 ng
 RT: 10.66 min Scan# 1492
 Delta R.T. 0.00 min
 Lab File: BF120415.D
 Acq: 28 May 2020 18:33

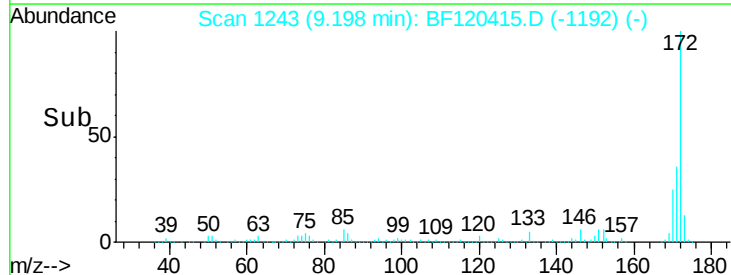
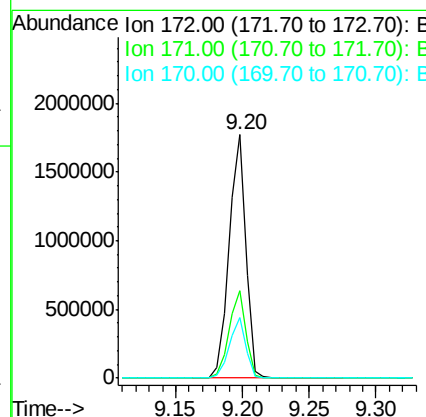
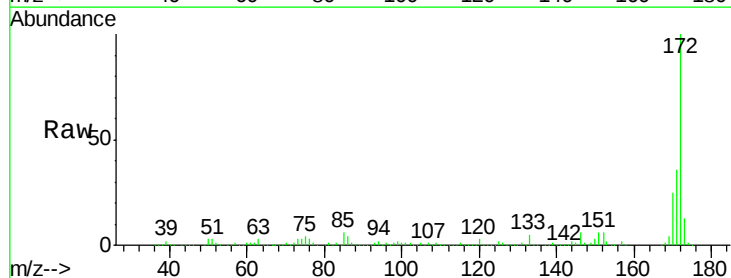
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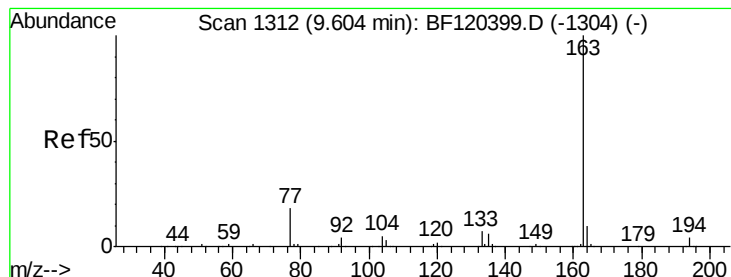
Tot Ion	Ratio	Lower	Upper
330	100		
332	95.7	77.0	115.6
141	31.1	25.3	37.9



#45
 2-Fluorobiphenyl
 Concen: 66.792 ng
 RT: 9.20 min Scan# 1243
 Delta R.T. 0.00 min
 Lab File: BF120415.D
 Acq: 28 May 2020 18:33

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.1	29.7	44.5
170	24.7	19.9	29.9





#50

Dimethylphthalate

Concen: 11.226 ng

RT: 9.59 min Scan# 1309

Delta R.T. -0.02 min

Lab File: BF120415.D

Acq: 28 May 2020 18:33

Instrument :

BNA_F

ClientSampleId :

NM110-COMP-2020-0-6

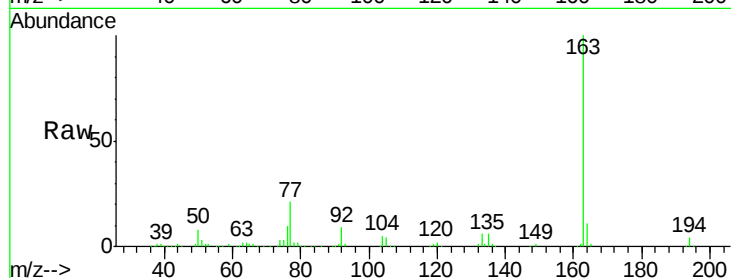
Tot Ion:163 Resp: 280869

Ion Ratio Lower Upper

163 100

194 3.8 3.3 4.9

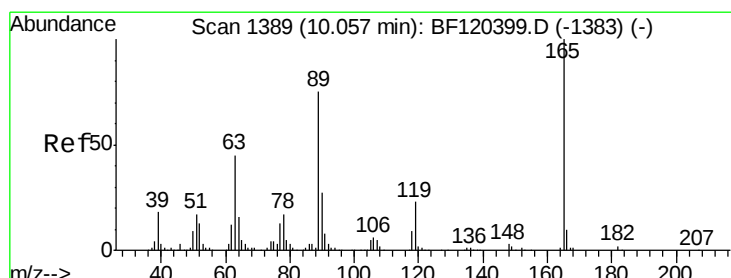
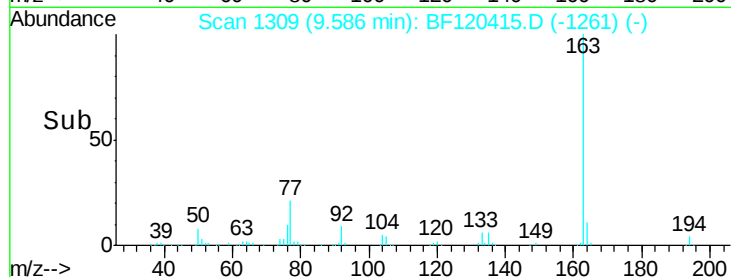
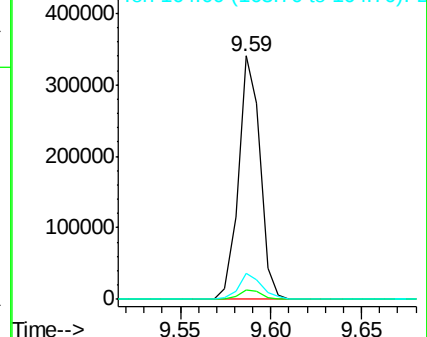
164 10.5 8.3 12.5



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: 7.420 ng

RT: 9.87 min Scan# 1358

Delta R.T. -0.18 min

Lab File: BF120415.D

Acq: 28 May 2020 18:33

Tgt Ion:165 Resp: 52804

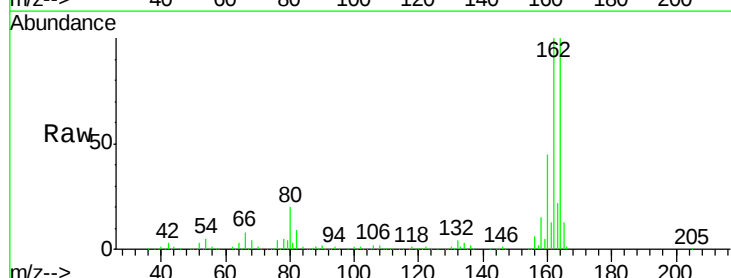
Ion Ratio Lower Upper

165 100

63 1.2 35.9 53.9#

89 1.3 60.0 90.0#

182 0.0 2.0 3.0#

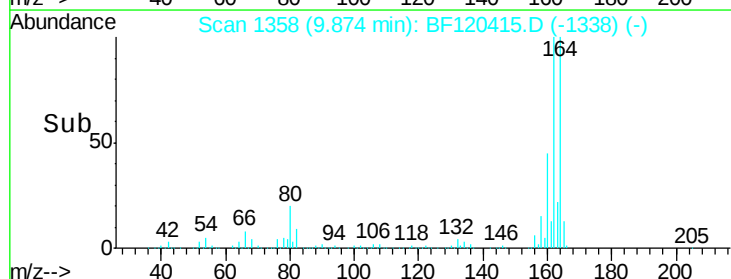
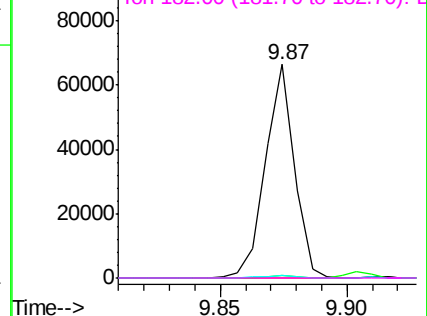


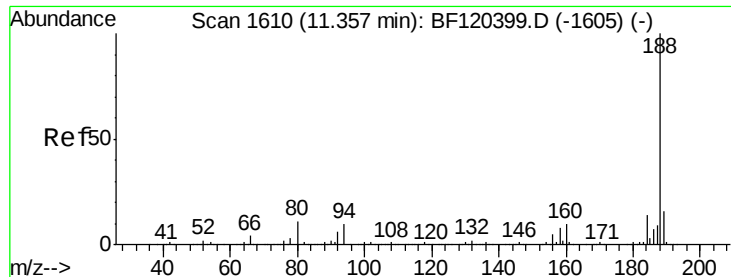
Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1

Ion 182.00 (181.70 to 182.70): E

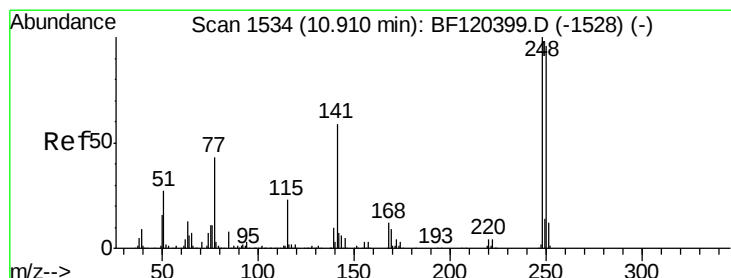
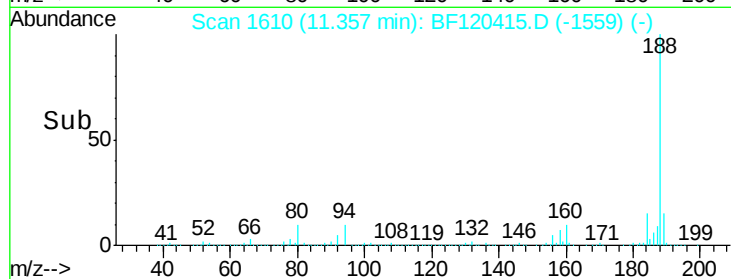
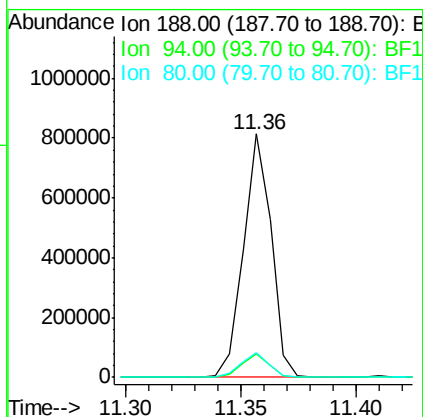
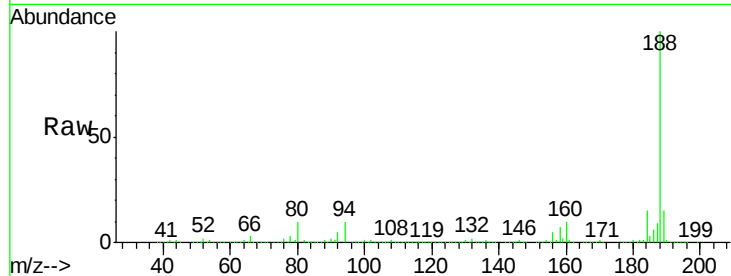




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.36 min Scan# 1610
Delta R.T. 0.00 min
Lab File: BF120415.D
Acq: 28 May 2020 18:33

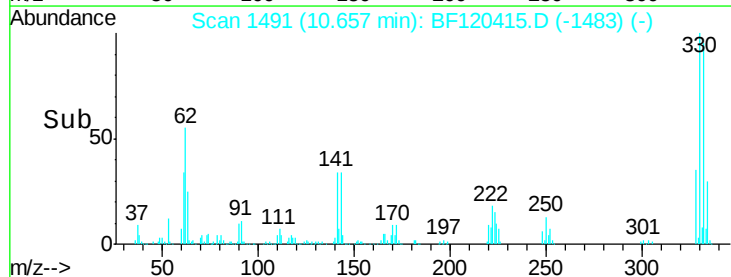
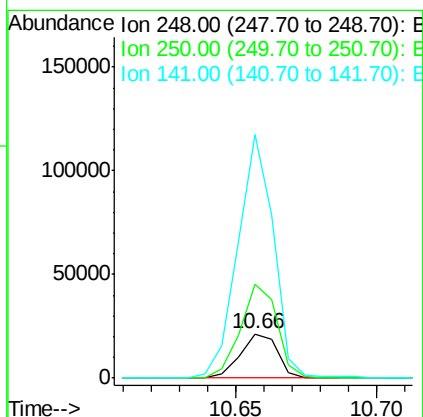
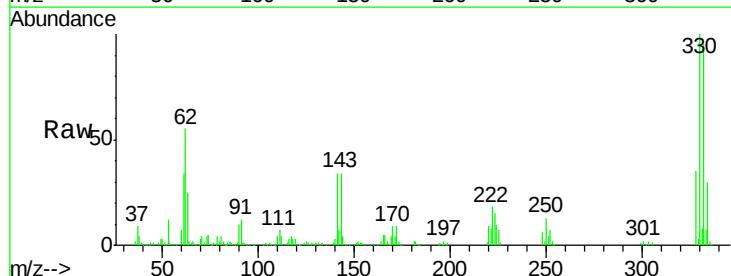
Instrument :
BNA_F
ClientSampleId :
NM110-COMP-2020-0-6

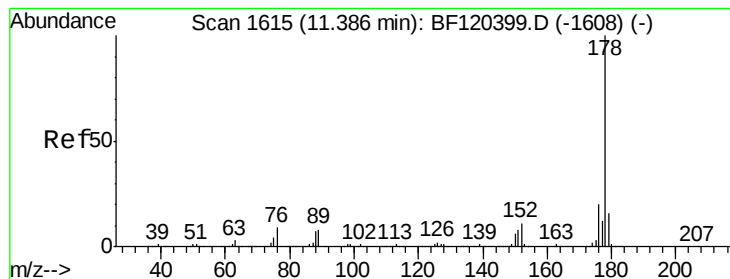
Tot Ion:188 Resp: 683873
Ion Ratio Lower Upper
188 100
94 9.5 7.9 11.9
80 10.2 8.6 13.0



#67
4-Bromophenyl-phenylether
Concen: 2.816 ng
RT: 10.66 min Scan# 1491
Delta R.T. -0.25 min
Lab File: BF120415.D
Acq: 28 May 2020 18:33

Tgt Ion:248 Resp: 19436
Ion Ratio Lower Upper
248 100
250 209.6 76.5 114.7#
141 547.0 47.2 70.8#





#71

Phenanthrene

Concen: 10.335 ng

RT: 11.38 min Scan# 1614

Delta R.T. -0.01 min

Lab File: BF120415.D

Acq: 28 May 2020 18:33

Instrument :

BNA_F

ClientSampleId :

NM110-COMP-2020-0-6

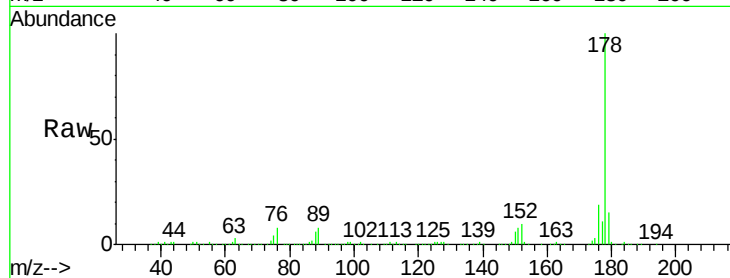
Tot Ion:178 Resp: 311428

Ion Ratio Lower Upper

178 100

176 19.1 16.4 24.6

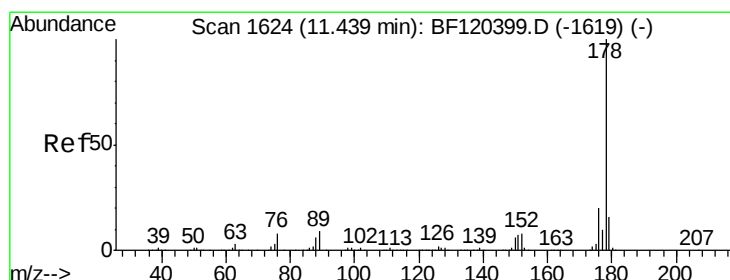
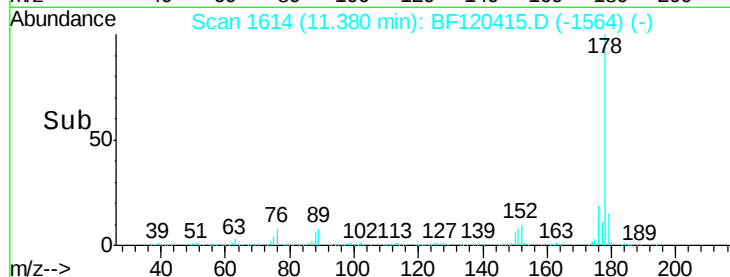
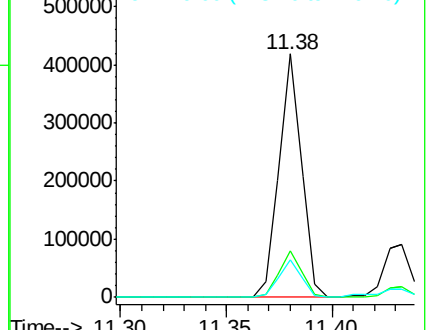
179 15.4 13.0 19.4



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



#72

Anthracene

Concen: 2.625 ng

RT: 11.43 min Scan# 1623

Delta R.T. -0.01 min

Lab File: BF120415.D

Acq: 28 May 2020 18:33

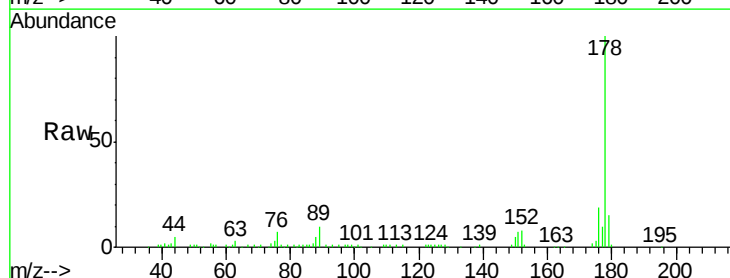
Tgt Ion:178 Resp: 79365

Ion Ratio Lower Upper

178 100

176 19.3 15.8 23.6

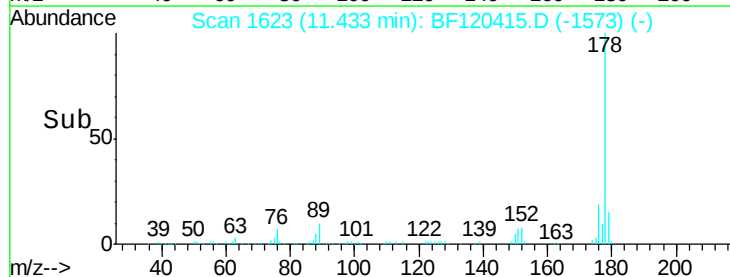
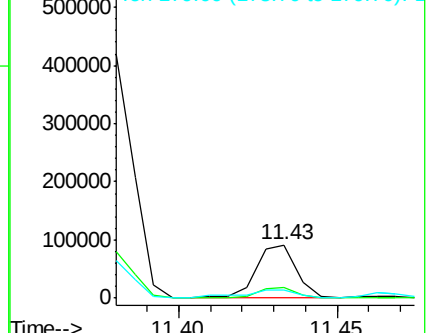
179 15.4 12.8 19.2

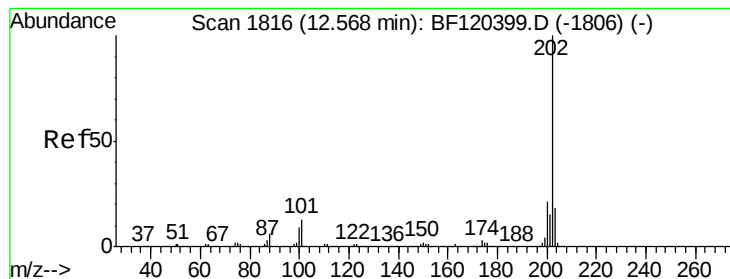


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#75

Fluoranthene

Concen: 16.923 ng

RT: 12.57 min Scan# 1816

Delta R.T. 0.00 min

Lab File: BF120415.D

Acq: 28 May 2020 18:33

Instrument :

BNA_F

ClientSampleId :

NM110-COMP-2020-0-6

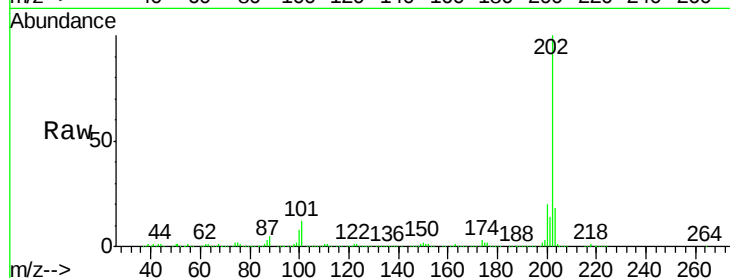
Tot Ion:202 Resp: 548709

Ion Ratio Lower Upper

202 100

101 11.5 0.0 32.6

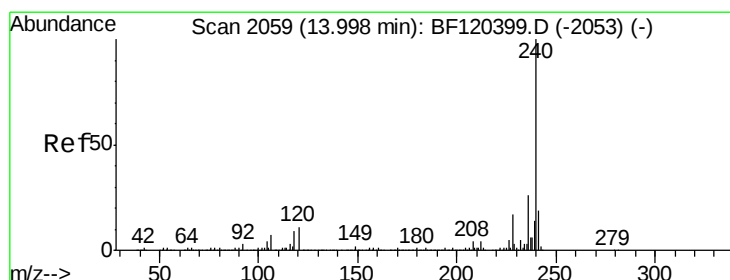
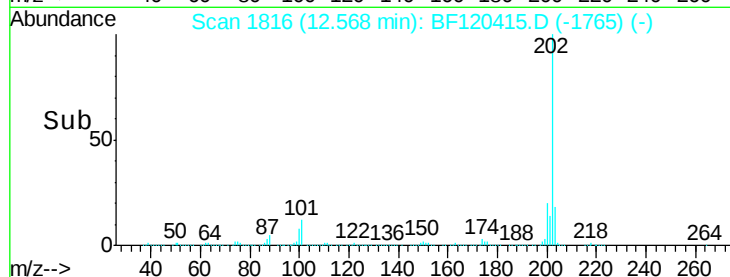
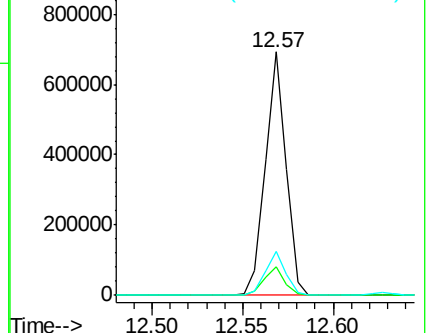
203 17.9 0.0 38.4



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: 13.99 min Scan# 2058

Delta R.T. -0.01 min

Lab File: BF120415.D

Acq: 28 May 2020 18:33

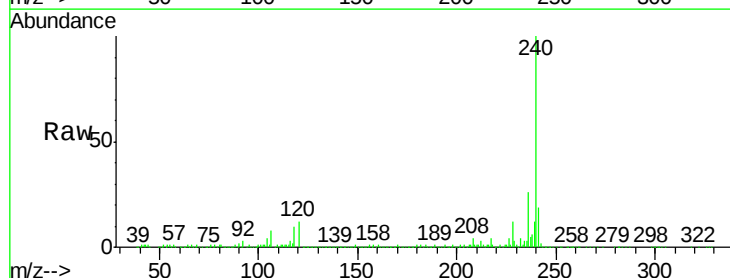
Tgt Ion:240 Resp: 547905

Ion Ratio Lower Upper

240 100

120 11.9 8.8 13.2

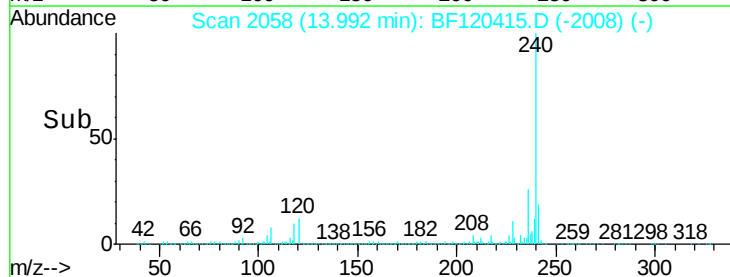
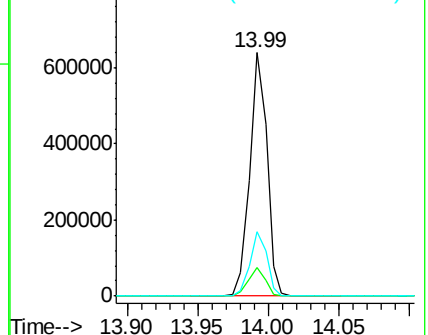
236 26.3 21.0 31.4

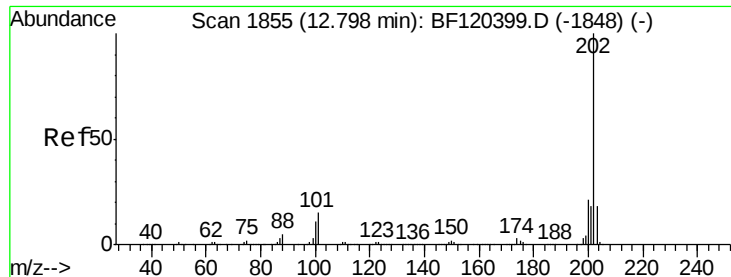


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#78

Pvrene

Concen: 13.323 ng

RT: 12.80 min Scan# 1855

Delta R.T. 0.00 min

Lab File: BF120415.D

Acq: 28 May 2020 18:33

Instrument :

BNA_F

ClientSampleId :

NM110-COMP-2020-0-6

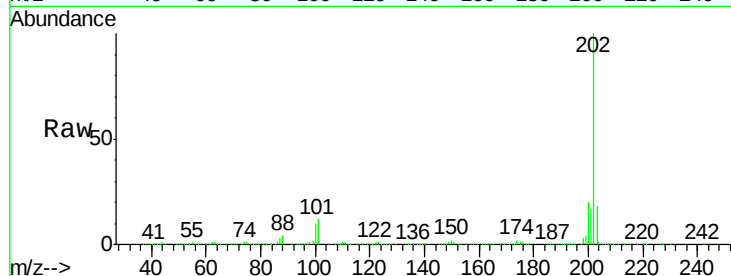
Tot Ion:202 Resp: 507654

Ion Ratio Lower Upper

202 100

200 20.2 17.0 25.4

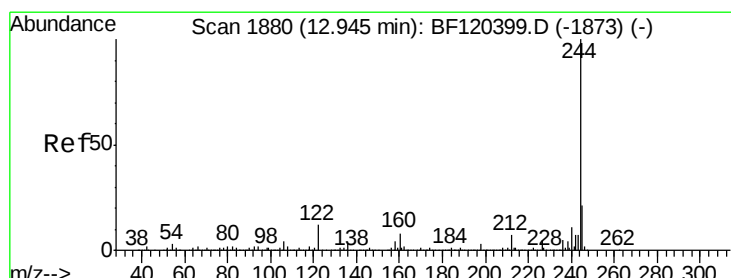
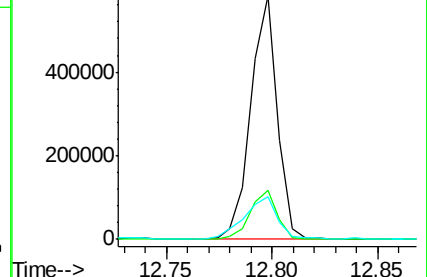
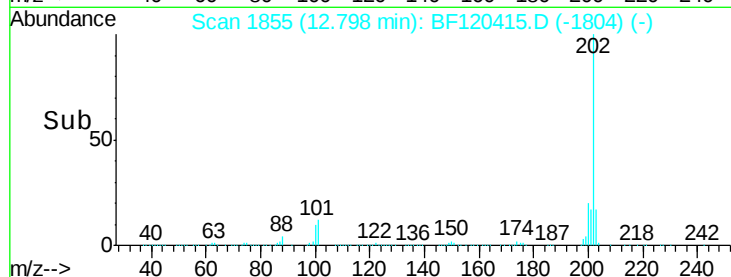
203 17.5 14.7 22.1



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E



#79

Terphenyl-d14

Concen: 61.571 ng

RT: 12.94 min Scan# 1880

Delta R.T. 0.00 min

Lab File: BF120415.D

Acq: 28 May 2020 18:33

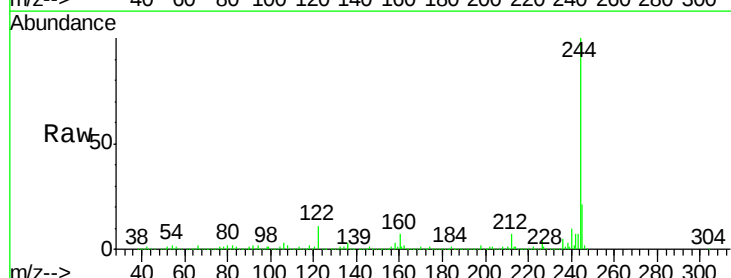
Tgt Ion:244 Resp: 1516033

Ion Ratio Lower Upper

244 100

212 6.8 5.9 8.9

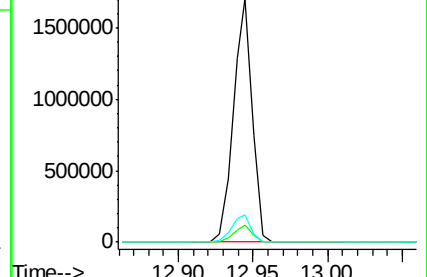
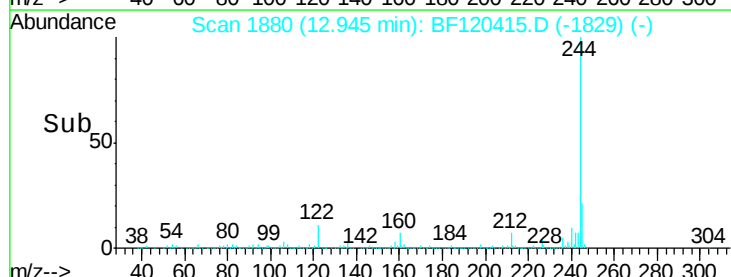
122 11.0 9.2 13.8

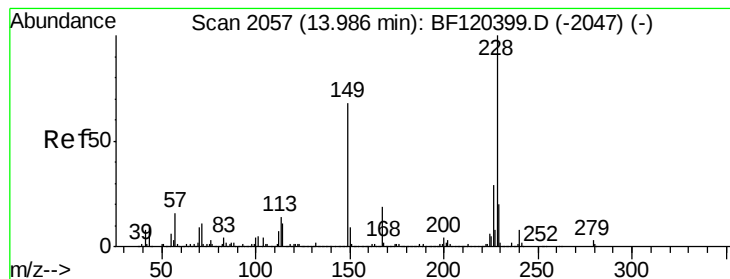


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#81

Benzo(a)anthracene

Concen: 9.229 ng

RT: 13.98 min Scan# 2056

Delta R.T. -0.01 min

Lab File: BF120415.D

Acq: 28 May 2020 18:33

Instrument :

BNA_F

ClientSampleId :

NM110-COMP-2020-0-6

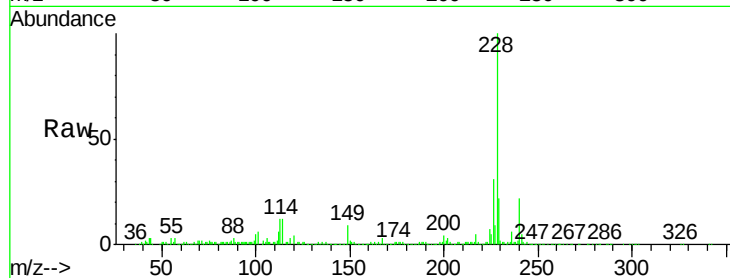
Tot Ion:228 Resp: 271016

Ion Ratio Lower Upper

228 100

226 31.1 23.0 34.4

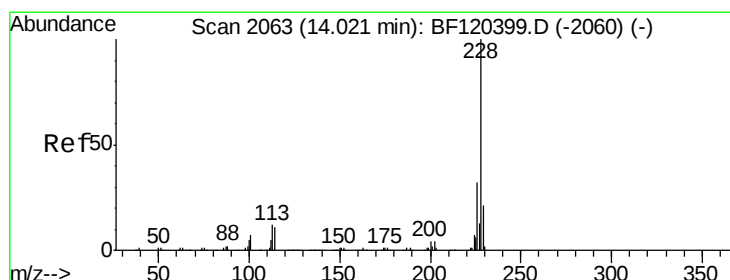
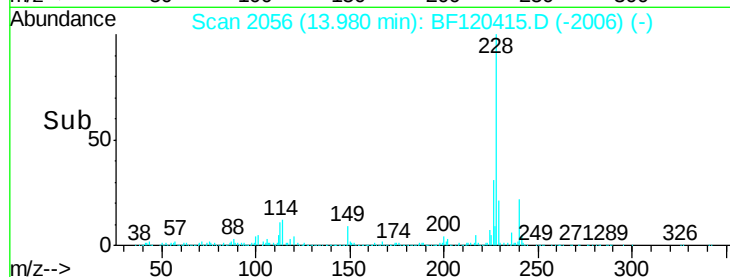
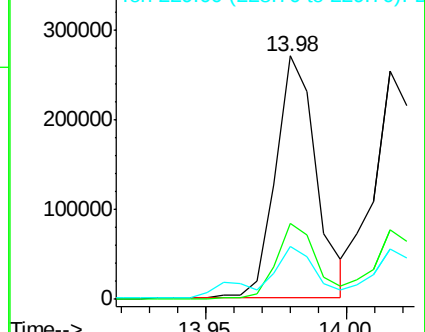
229 21.9 16.2 24.4



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: 8.097 ng

RT: 14.02 min Scan# 2062

Delta R.T. -0.01 min

Lab File: BF120415.D

Acq: 28 May 2020 18:33

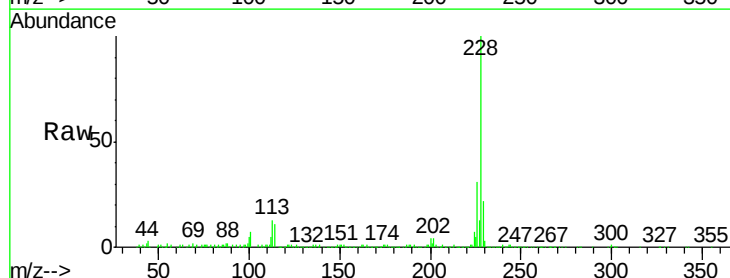
Tgt Ion:228 Resp: 249264

Ion Ratio Lower Upper

228 100

226 30.6 25.6 38.4

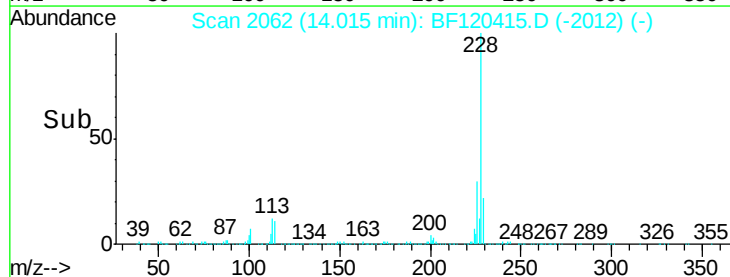
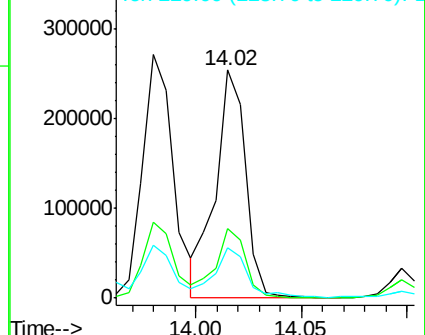
229 22.2 16.6 25.0

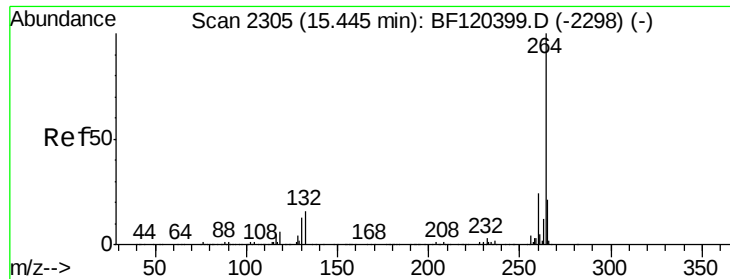


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

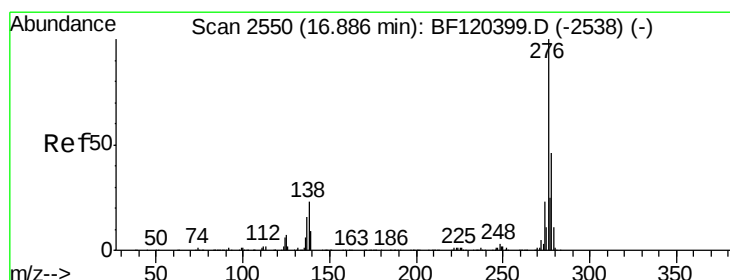
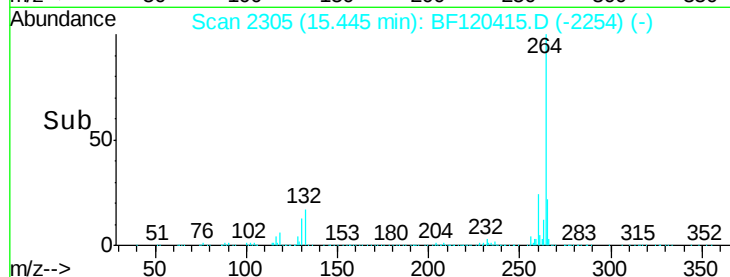
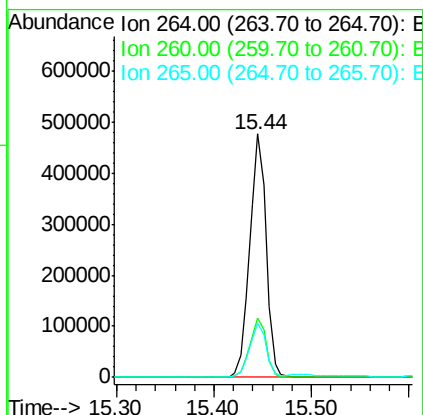
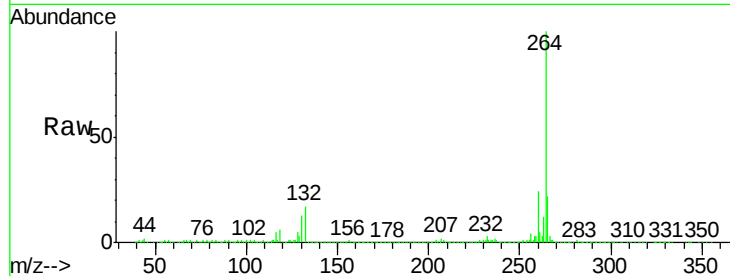




#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.44 min Scan# 2305
Delta R.T. 0.00 min
Lab File: BF120415.D
Acq: 28 May 2020 18:33

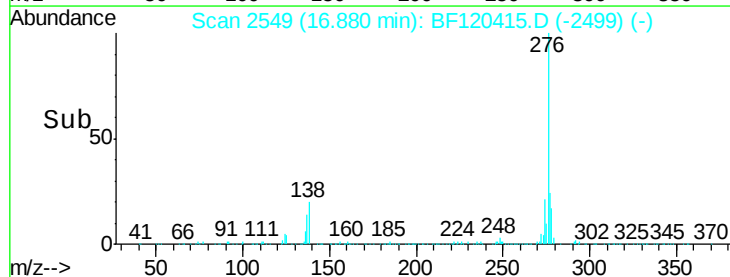
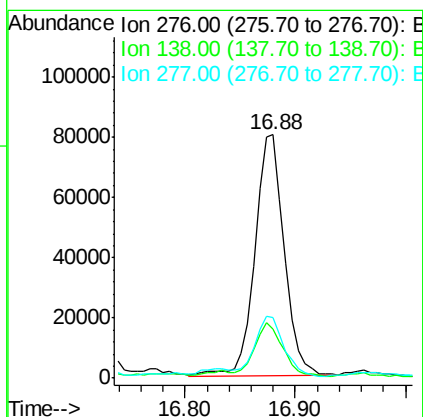
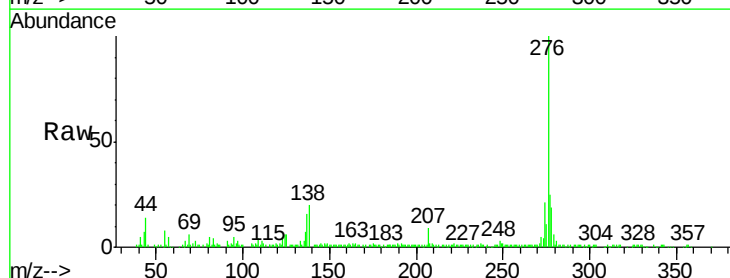
Instrument :
BNA_F
ClientSampleId :
NM110-COMP-2020-0-6

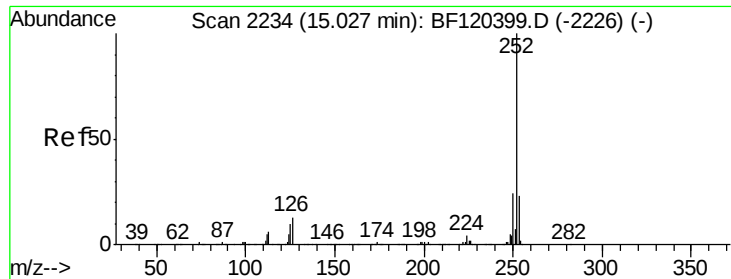
Tot Ion:264 Resp: 557615
Ion Ratio Lower Upper
264 100
260 24.5 19.2 28.8
265 22.2 16.9 25.3



#87
Indeno(1,2,3-cd)pyrene
Concen: 4.905 ng
RT: 16.88 min Scan# 2549
Delta R.T. -0.01 min
Lab File: BF120415.D
Acq: 28 May 2020 18:33

Tgt Ion:276 Resp: 149589
Ion Ratio Lower Upper
276 100
138 21.0 20.4 30.6
277 24.8 20.4 30.6

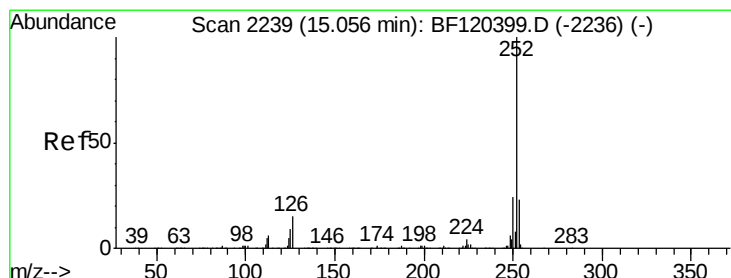
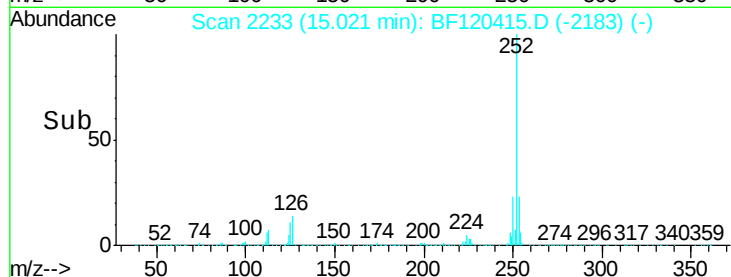
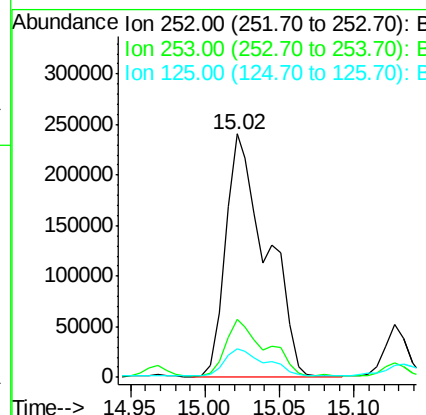
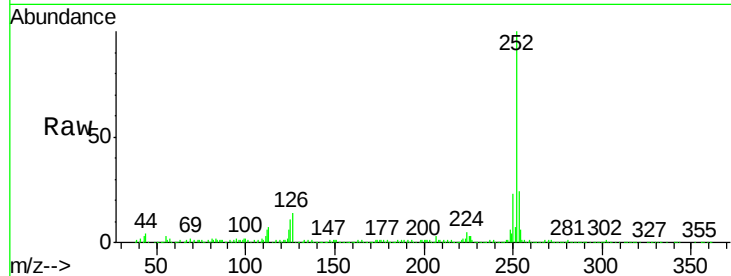




#88
Benzo(b)fluoranthene
Concen: 14.703 ng
RT: 15.02 min Scan# 2233
Delta R.T. -0.01 min
Lab File: BF120415.D
Acq: 28 May 2020 18:33

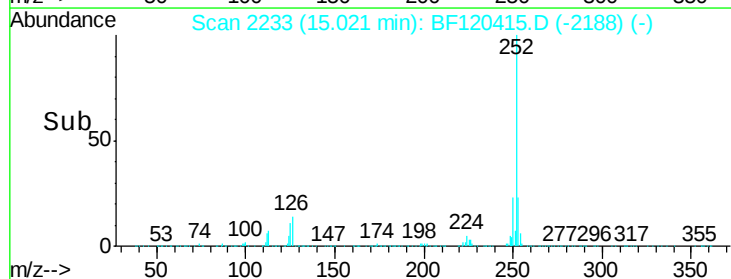
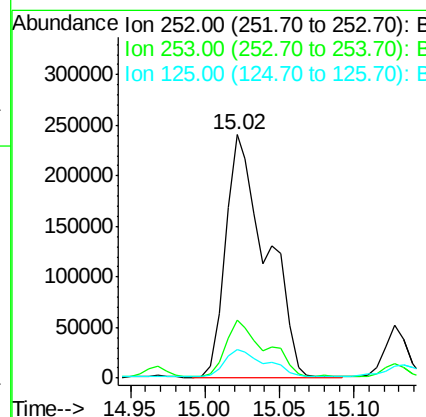
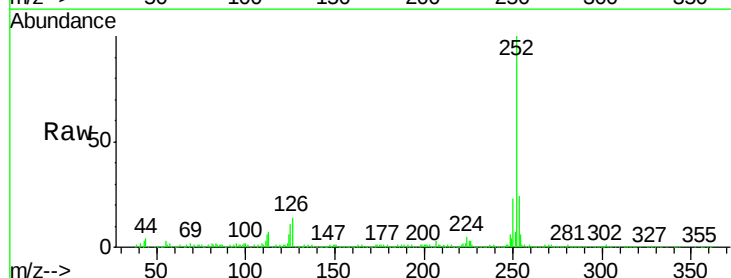
Instrument :
BNA_F
ClientSampleId :
NM110-COMP-2020-0-6

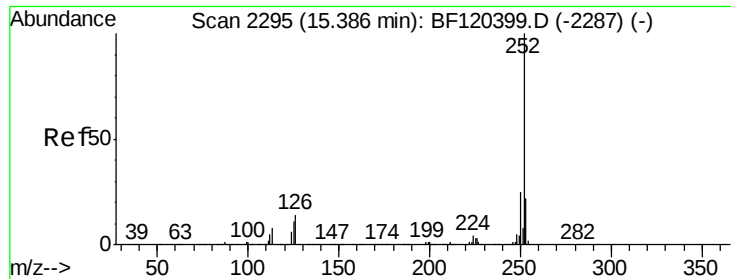
Tot Ion:252 Resp: 455389
Ion Ratio Lower Upper
252 100
253 23.8 18.1 27.1
125 11.5 7.8 11.8



#89
Benzo(k)fluoranthene
Concen: 15.750 ng
RT: 15.02 min Scan# 2233
Delta R.T. -0.04 min
Lab File: BF120415.D
Acq: 28 May 2020 18:33

Tgt Ion:252 Resp: 455389
Ion Ratio Lower Upper
252 100
253 23.8 18.5 27.7
125 11.5 8.0 12.0

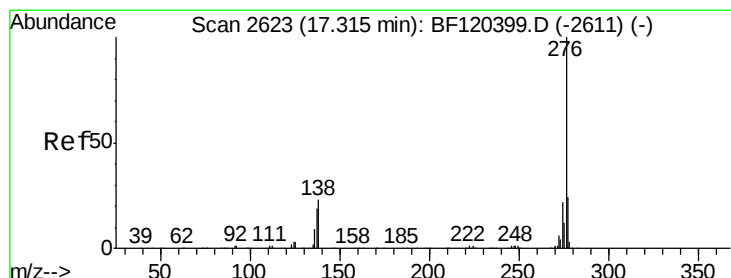
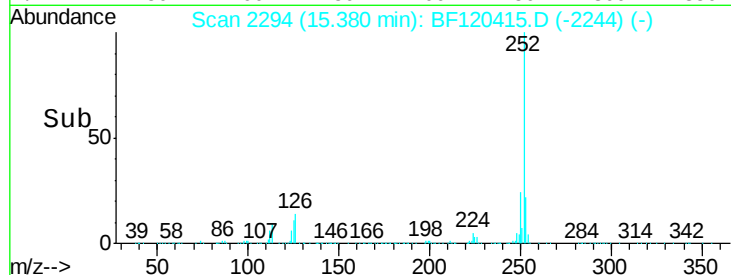
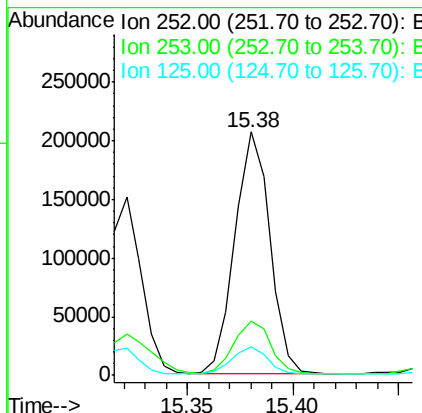
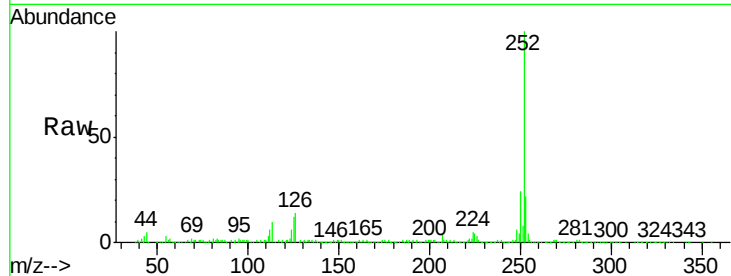




#90
Benzo(a)pyrene
Concen: 8.779 ng
RT: 15.38 min Scan# 2294
Delta R.T. -0.01 min
Lab File: BF120415.D
Acq: 28 May 2020 18:33

Instrument :
BNA_F
ClientSampleId :
NM110-COMP-2020-0-6

Tot Ion:252 Resp: 237828
Ion Ratio Lower Upper
252 100
253 22.5 17.4 26.0
125 11.8 8.7 13.1



#92
Benzo(g,h,i)perylene
Concen: 5.655 ng
RT: 17.31 min Scan# 2622
Delta R.T. -0.01 min
Lab File: BF120415.D
Acq: 28 May 2020 18:33

Tgt Ion:276 Resp: 138671
Ion Ratio Lower Upper
276 100
277 23.4 19.5 29.3
138 22.8 18.1 27.1

