

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF060120\
 Data File : BF120472.D
 Acq On : 1 Jun 2020 15:45
 Operator : JU/CG
 Sample : L2773-01
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 NM10-COMP-2020-0-6

Quant Time: Jun 01 16:53:14 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF052820.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri May 29 12:39:43 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.84	152	225674	20.00	ng	0.00
21) Naphthalene-d8	8.12	136	832820	20.00	ng	0.00
39) Acenaphthene-d10	9.87	164	417291	20.00	ng	0.00
64) Phenanthrene-d10	11.36	188	729400	20.00	ng	0.00
76) Chrysene-d12	14.00	240	535763	20.00	ng	0.00
86) Perylene-d12	15.46	264	554626	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.46	112	923215	77.96	ng	0.00
7) Phenol-d6	6.47	99	1208041	82.77	ng	0.00
23) Nitrobenzene-d5	7.40	82	772292	60.66	ng	0.00
42) 2,4,6-Tribromophenol	10.66	330	346229	89.55	ng	0.00
45) 2-Fluorobiphenyl	9.20	172	1485792	60.41	ng	0.00
79) Terphenyl-d14	12.95	244	1458317	60.57	ng	0.00

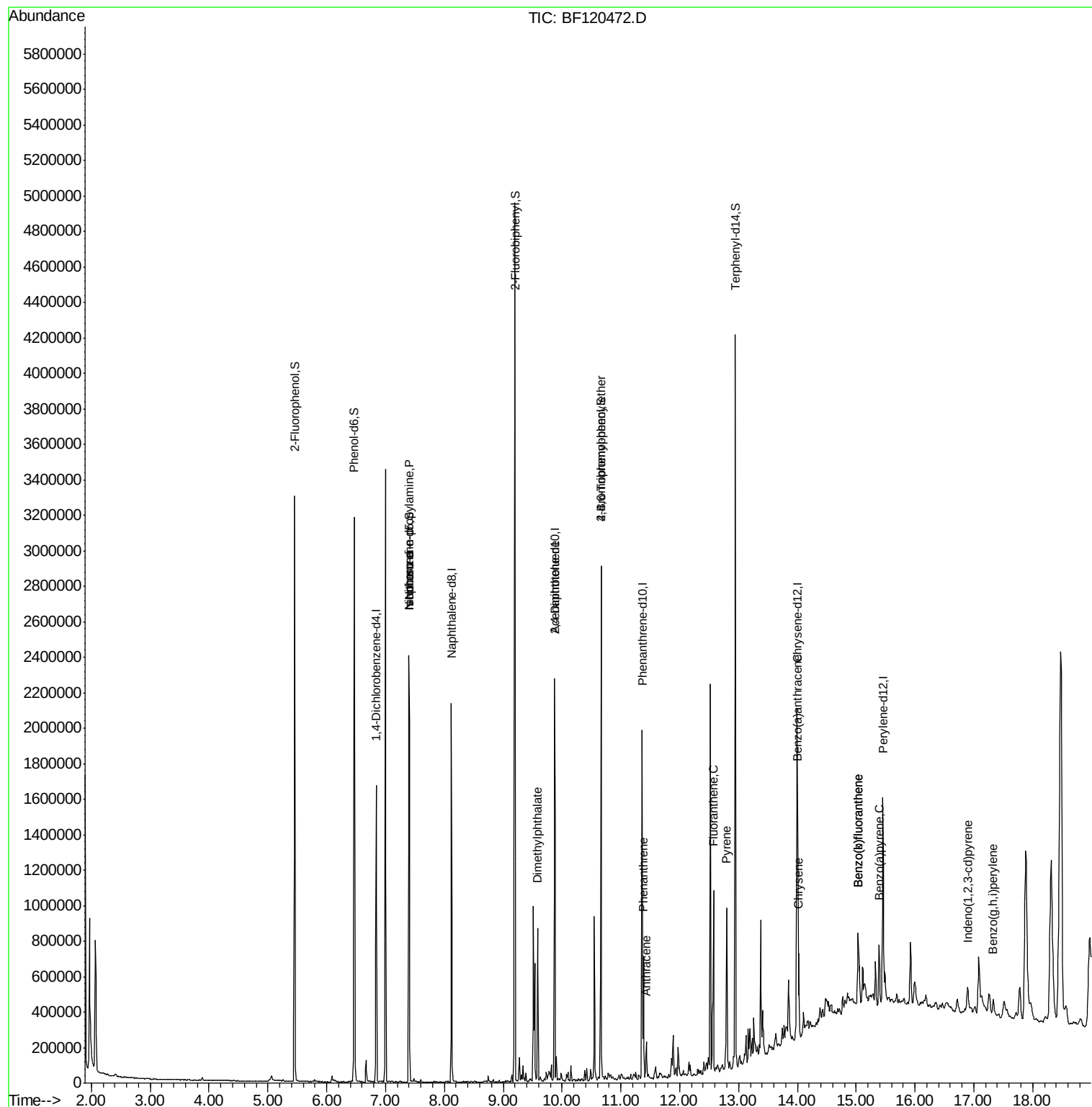
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	7.40	70	104103	11.220	ng	# 76
25) Isophorone	7.40	82	769483	30.071	ng	# 64
50) Dimethylphthalate	9.59	163	283957	10.885	ng	99
57) 2,4-Dinitrotoluene	9.87	165	53246	7.176	ng	# 22
67) 4-Bromophenyl-phenylether	10.66	248	20471	2.780	ng	# 1
71) Phenanthrene	11.39	178	257665	8.017	ng	96
72) Anthracene	11.43	178	69735	2.163	ng	98
75) Fluoranthene	12.57	202	425236	12.296	ng	95
78) Pyrene	12.80	202	384975	10.332	ng	98
81) Benzo(a)anthracene	13.99	228	205046	7.141	ng	99
83) Chrysene	14.02	228	181042	6.014	ng	96
87) Indeno(1,2,3-cd)pyrene	16.89	276	96619	3.185	ng	95
88) Benzo(b)fluoranthene	15.03	252	313382	10.173	ng	# 98
89) Benzo(k)fluoranthene	15.03	252	313382	10.897	ng	98
90) Benzo(a)pyrene	15.39	252	168998	6.272	ng	98
92) Benzo(g,h,i)perylene	17.33	276	88809	3.641	ng	97

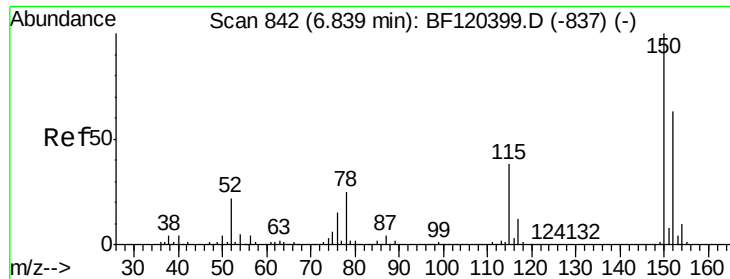
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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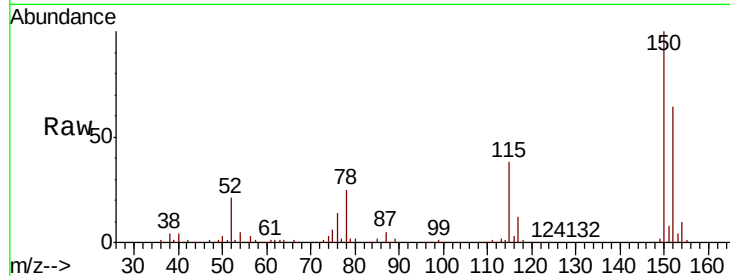


#1

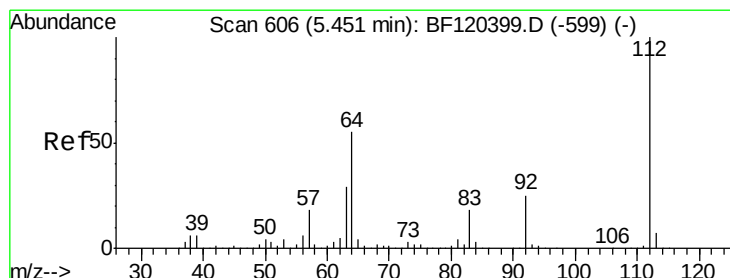
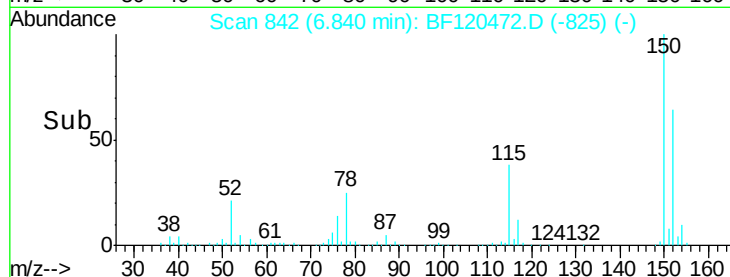
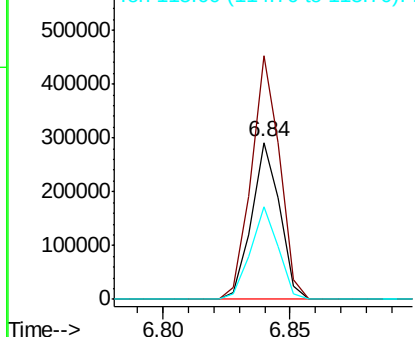
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.84 min Scan# 842
Delta R.T. 0.00 min
Lab File: BF120472.D
Acq: 1 Jun 2020 15:45

Instrument :
BNA_F
ClientSampleId :
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Tot Ion:152 Resp: 225674
Ion Ratio Lower Upper
152 100
150 155.1 126.5 189.7
115 58.7 47.6 71.4



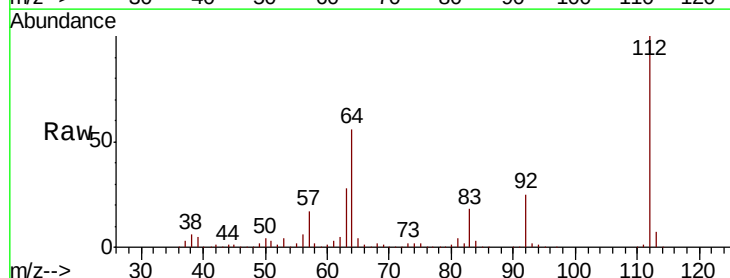
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



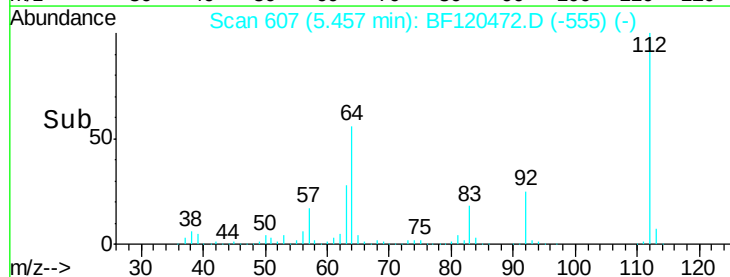
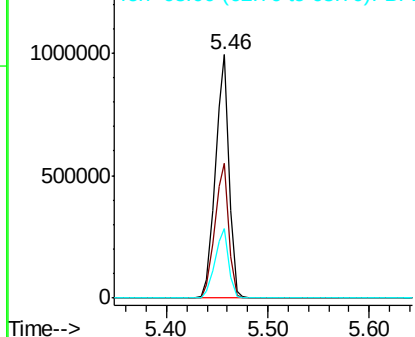
#5

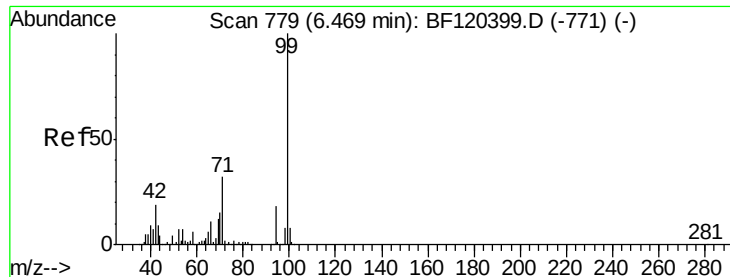
2-Fluorophenol
Concen: 77.963 ng
RT: 5.46 min Scan# 607
Delta R.T. 0.01 min
Lab File: BF120472.D
Acq: 1 Jun 2020 15:45

Tgt Ion:112 Resp: 923215
Ion Ratio Lower Upper
112 100
64 55.5 44.3 66.5
63 28.4 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: 82.766 ng

RT: 6.47 min Scan# 779

Delta R.T. 0.00 min

Lab File: BF120472.D

Acq: 1 Jun 2020 15:45

Instrument :

BNA_F

ClientSampleId :

NM10-COMP-2020-0-6

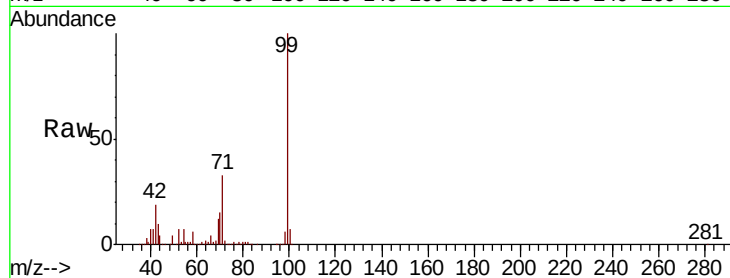
Tot Ion: 99 Resp: 1208041

Ion Ratio Lower Upper

99 100

42 18.6 15.2 22.8

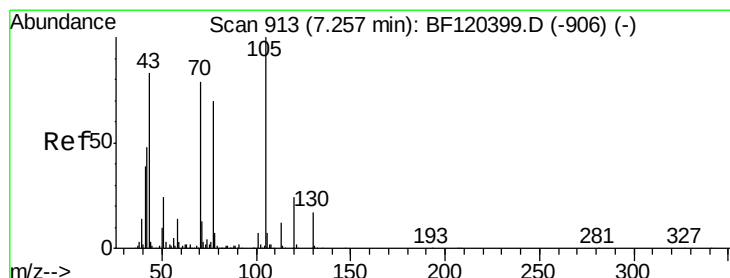
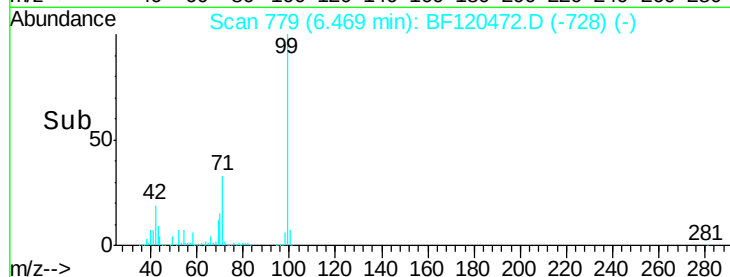
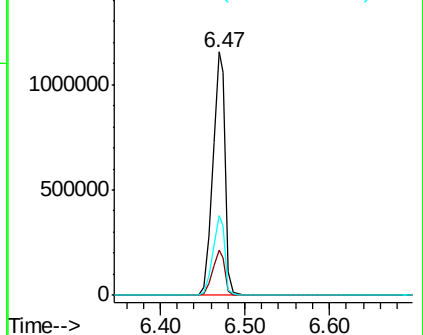
71 32.6 25.6 38.4



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: 11.220 ng

RT: 7.40 min Scan# 937

Delta R.T. 0.14 min

Lab File: BF120472.D

Acq: 1 Jun 2020 15:45

Tgt Ion: 70 Resp: 104103

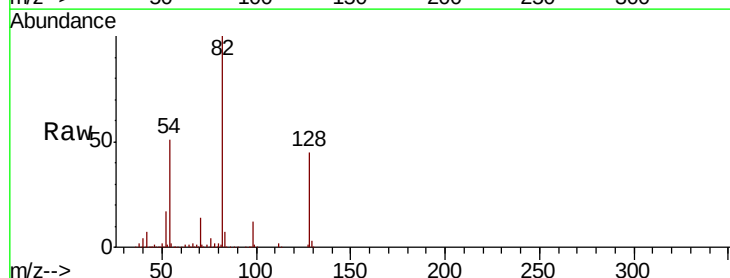
Ion Ratio Lower Upper

70 100

42 47.4 48.9 73.3#

101 0.0 7.4 11.2#

130 2.2 16.8 25.2#

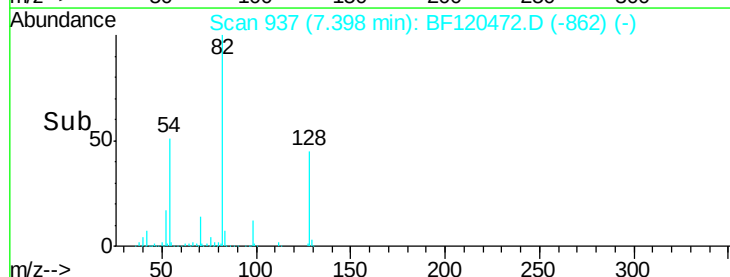
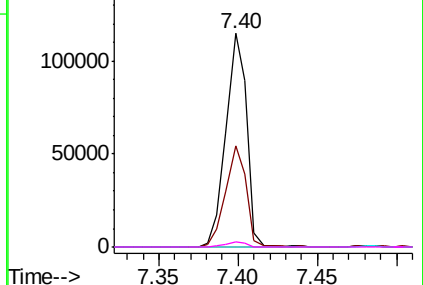


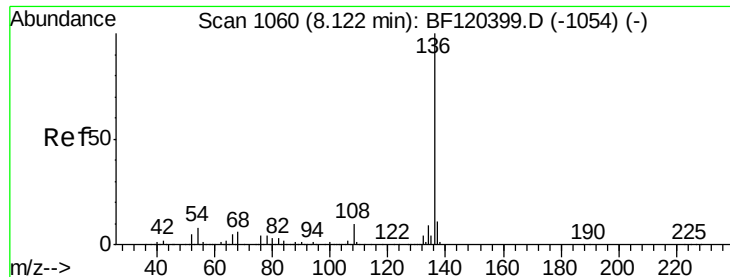
Abundance Ion 70.00 (69.70 to 70.70): BF1

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: BF120472.D

Acq: 1 Jun 2020 15:45

Instrument :

BNA_F

ClientSampleId :

NM10-COMP-2020-0-6

Tot Ion:136 Resp: 832820

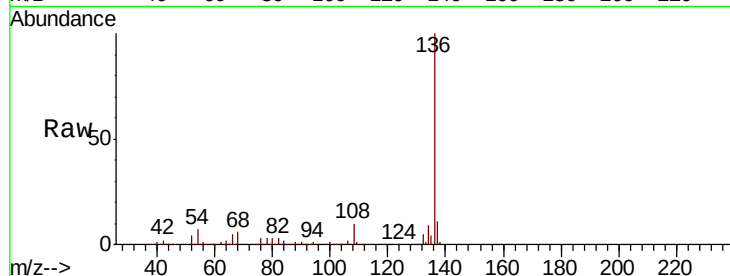
Ion Ratio Lower Upper

136 100

137 10.9 9.1 13.7

54 7.5 6.7 10.1

68 5.8 5.0 7.4

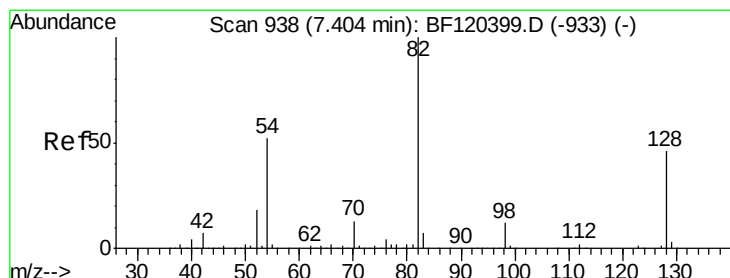
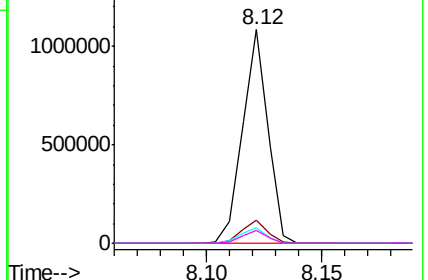
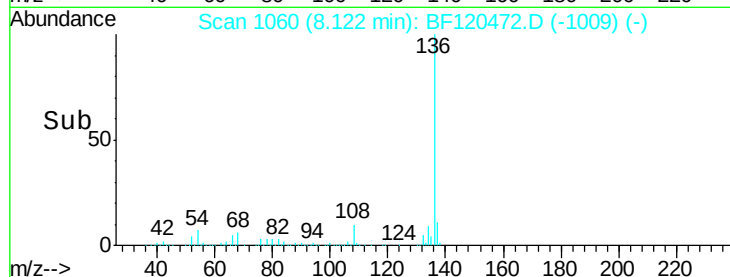


Abundance Ion 136.00 (135.70 to 136.70): E

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: 60.659 ng

RT: 7.40 min Scan# 937

Delta R.T. -0.01 min

Lab File: BF120472.D

Acq: 1 Jun 2020 15:45

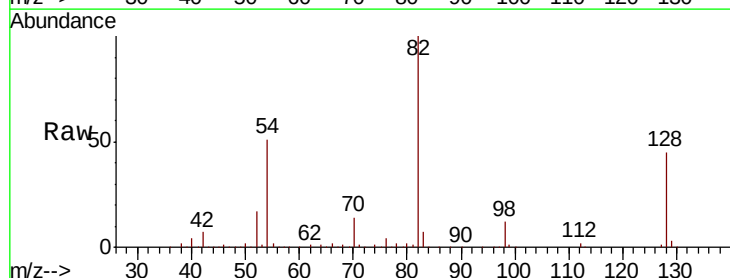
Tgt Ion: 82 Resp: 772292

Ion Ratio Lower Upper

82 100

128 45.2 36.8 55.2

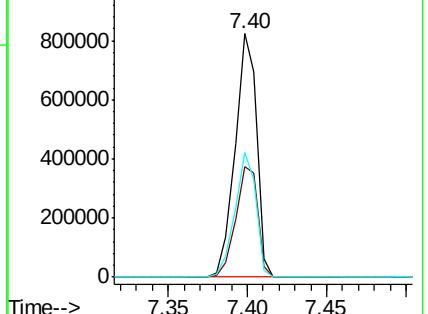
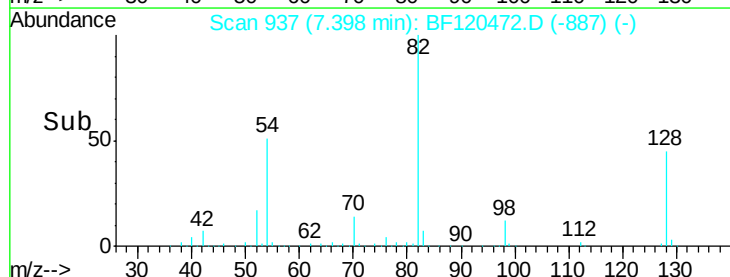
54 51.4 41.6 62.4

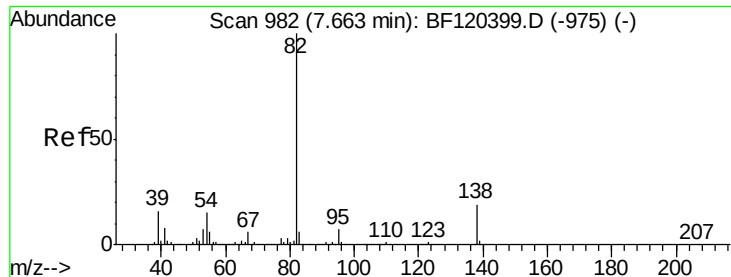


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 30.071 ng

RT: 7.40 min Scan# 937

Delta R.T. -0.26 min

Lab File: BF120472.D

Acq: 1 Jun 2020 15:45

Instrument :

BNA_F

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NM10-COMP-2020-0-6

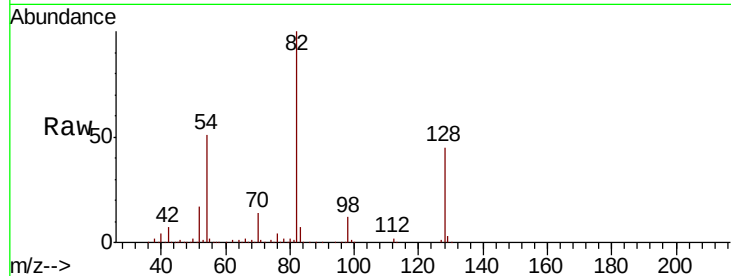
Tot Ion: 82 Resp: 769483

Ion Ratio Lower Upper

82 100

95 0.0 5.6 8.4#

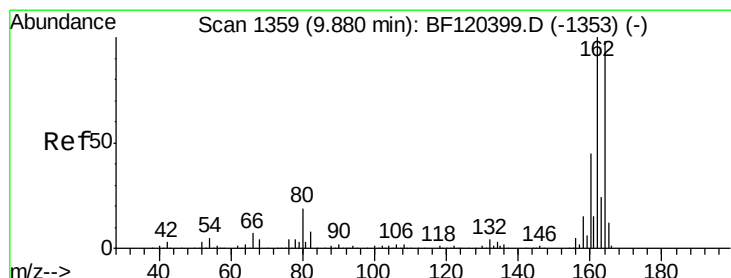
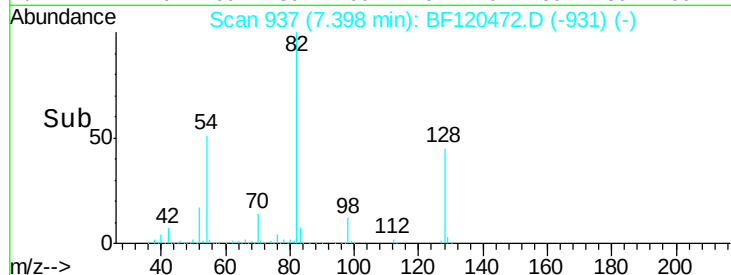
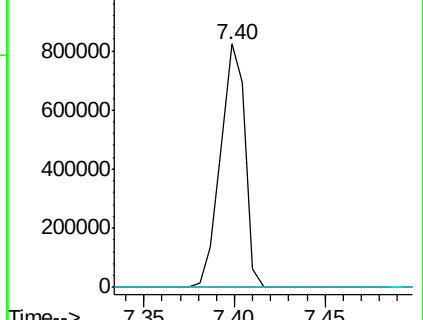
138 0.0 15.0 22.4#



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. 0.00 min

Lab File: BF120472.D

Acq: 1 Jun 2020 15:45

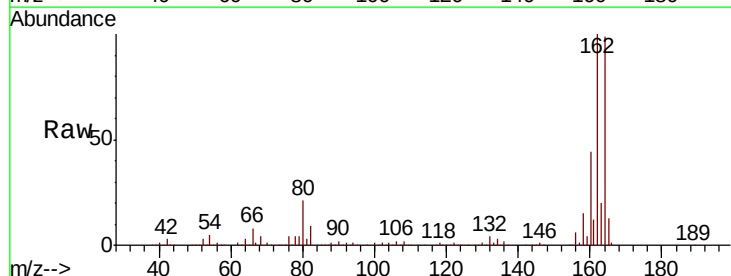
Tgt Ion:164 Resp: 417291

Ion Ratio Lower Upper

164 100

162 100.7 81.3 121.9

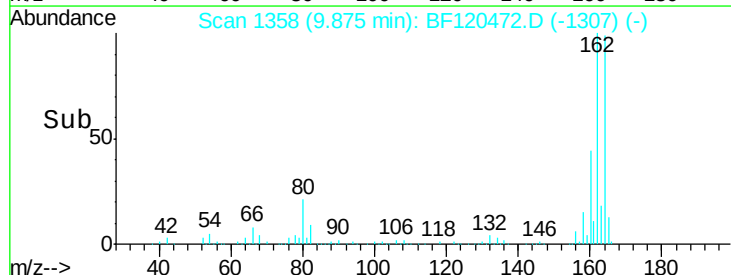
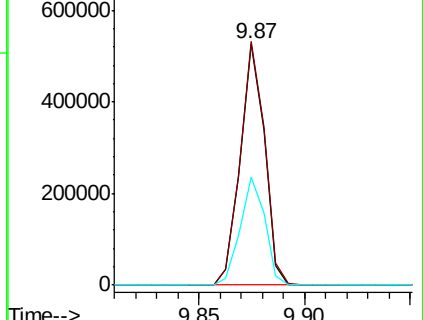
160 44.4 36.9 55.3

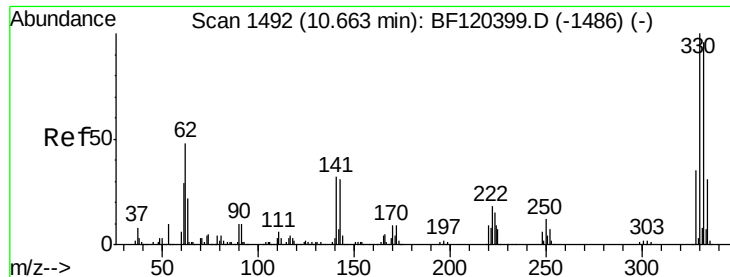


Abundance Ion 164.00 (163.70 to 164.70): BF1

Ion 162.00 (161.70 to 162.70): BF1

Ion 160.00 (159.70 to 160.70): BF1

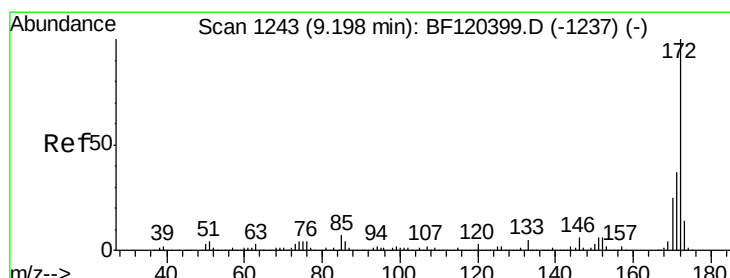
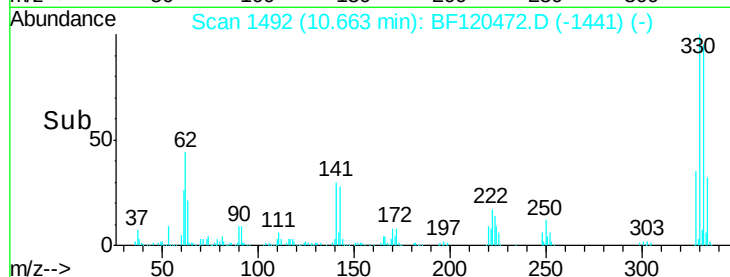
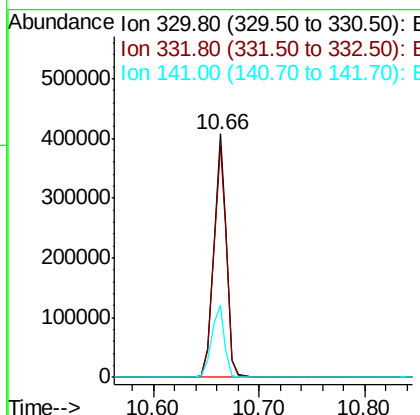
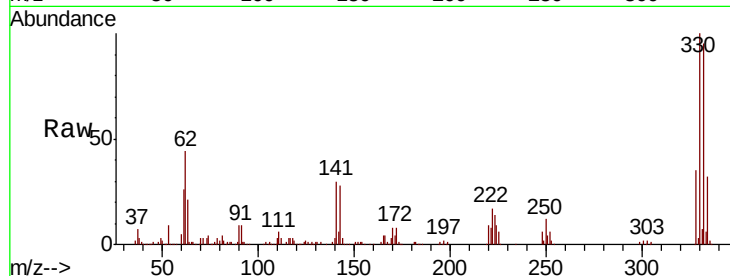




#42
 2,4,6-Tribromophenol
 Concen: 89.548 ng
 RT: 10.66 min Scan# 1492
 Delta R.T. 0.00 min
 Lab File: BF120472.D
 Acq: 1 Jun 2020 15:45

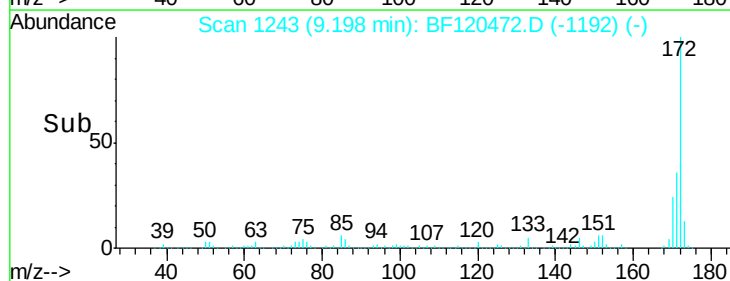
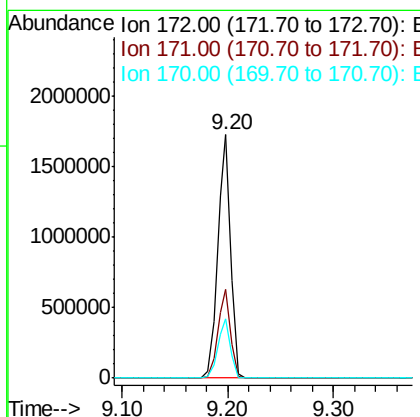
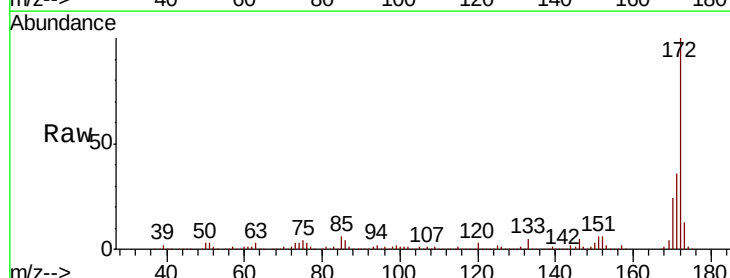
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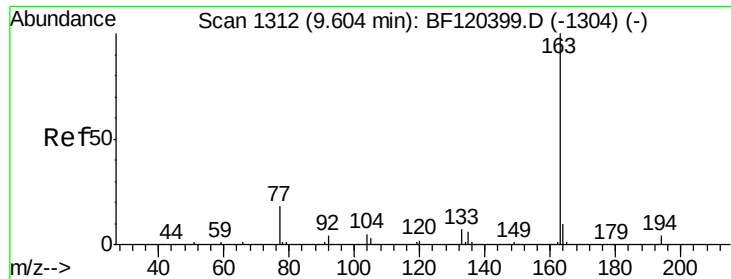
Tot Ion:330 Resp: 346229
 Ion Ratio Lower Upper
 330 100
 332 96.8 77.0 115.6
 141 30.3 25.3 37.9



#45
 2-Fluorobiphenyl
 Concen: 60.412 ng
 RT: 9.20 min Scan# 1243
 Delta R.T. 0.00 min
 Lab File: BF120472.D
 Acq: 1 Jun 2020 15:45

Tgt Ion:172 Resp: 1485792
 Ion Ratio Lower Upper
 172 100
 171 36.3 29.7 44.5
 170 24.3 19.9 29.9

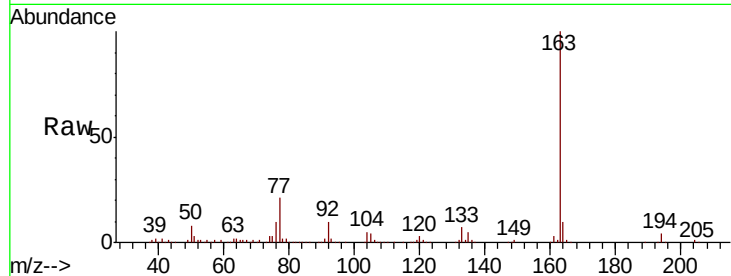




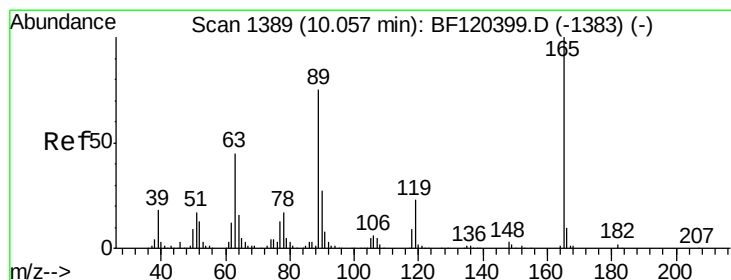
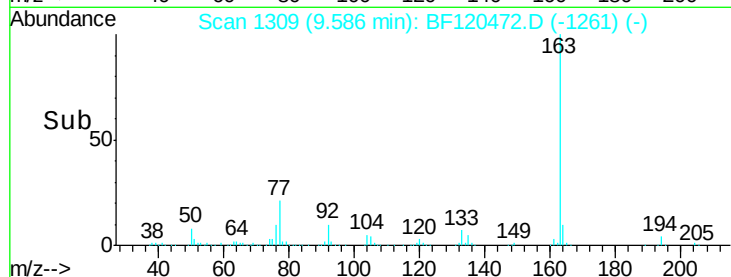
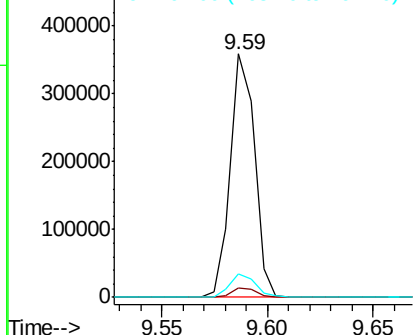
#50
Dimethylphthalate
Concen: 10.885 ng
RT: 9.59 min Scan# 1309
Delta R.T. -0.02 min
Lab File: BF120472.D
Acq: 1 Jun 2020 15:45

Instrument :
BNA_F
ClientSampleId :
NM10-COMP-2020-0-6

Tot Ion	Ratio	Lower	Upper
163	100		
194	3.8	3.3	4.9
164	9.9	8.3	12.5



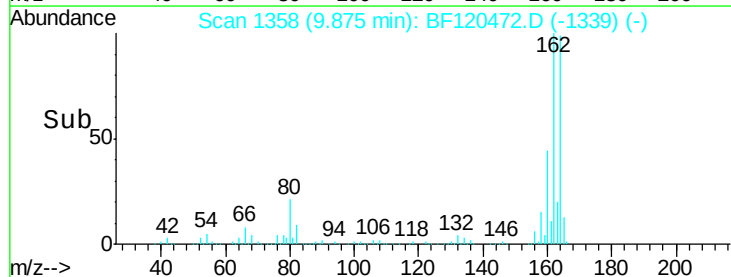
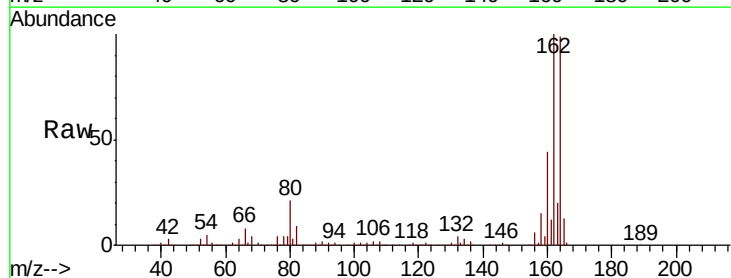
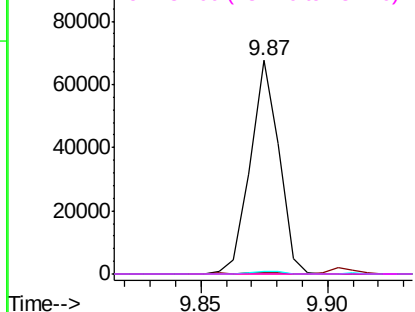
Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

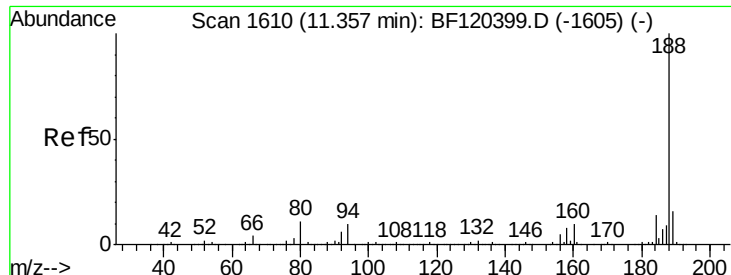


#57
2,4-Dinitrotoluene
Concen: 7.176 ng
RT: 9.87 min Scan# 1358
Delta R.T. -0.19 min
Lab File: BF120472.D
Acq: 1 Jun 2020 15:45

Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.8	35.9	53.9#
89	1.0	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# 1611

Delta R.T. 0.01 min

Lab File: BF120472.D

Acq: 1 Jun 2020 15:45

Instrument :

BNA_F

ClientSampleId :

NM10-COMP-2020-0-6

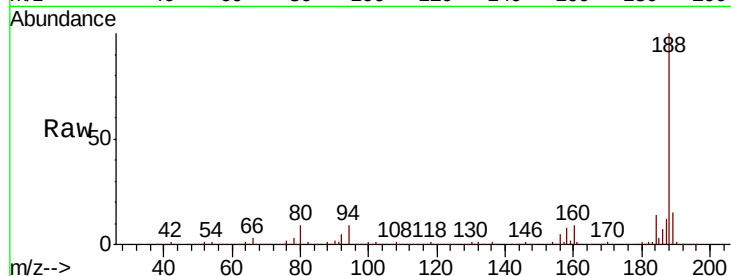
Tot Ion:188 Resp: 729400

Ion Ratio Lower Upper

188 100

94 8.9 7.9 11.9

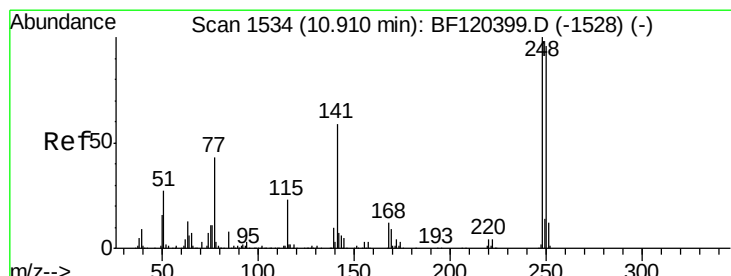
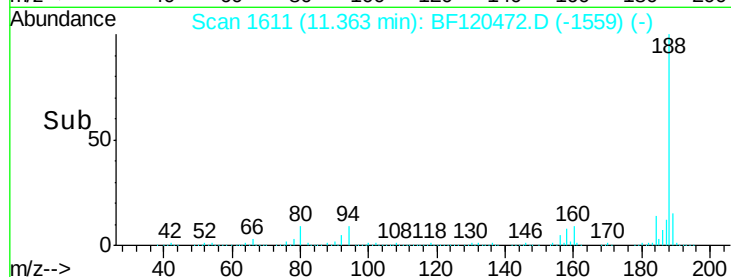
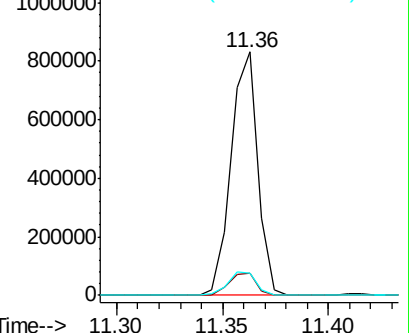
80 8.9 8.6 13.0



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: 2.780 ng

RT: 10.66 min Scan# 1492

Delta R.T. -0.25 min

Lab File: BF120472.D

Acq: 1 Jun 2020 15:45

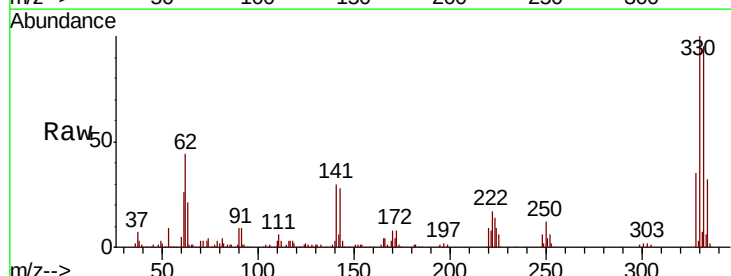
Tgt Ion:248 Resp: 20471

Ion Ratio Lower Upper

248 100

250 196.1 76.5 114.7#

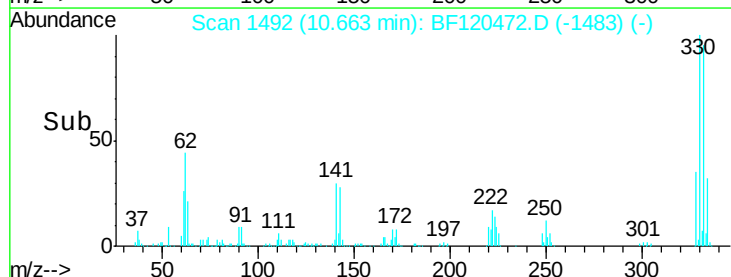
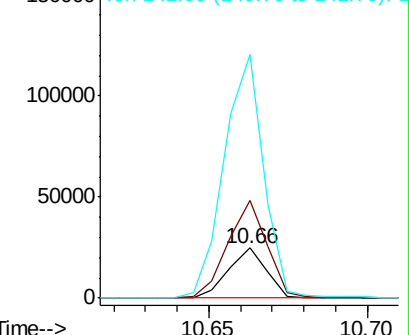
141 486.2 47.2 70.8#

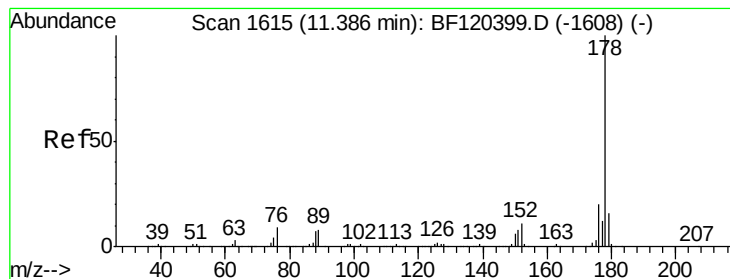


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#71

Phenanthrene

Concen: 8.017 ng

RT: 11.39 min Scan# 1615

Delta R.T. 0.00 min

Lab File: BF120472.D

Acq: 1 Jun 2020 15:45

Instrument :

BNA_F

ClientSampleId :

NM10-COMP-2020-0-6

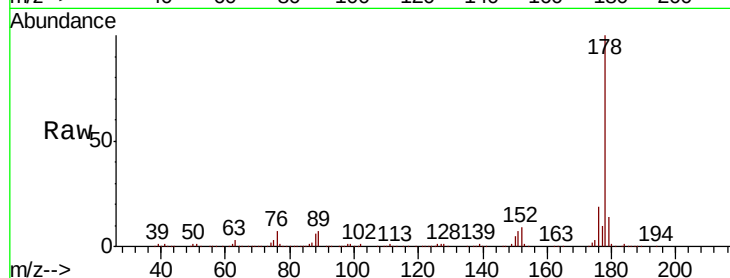
Tot Ion:178 Resp: 257665

Ion Ratio Lower Upper

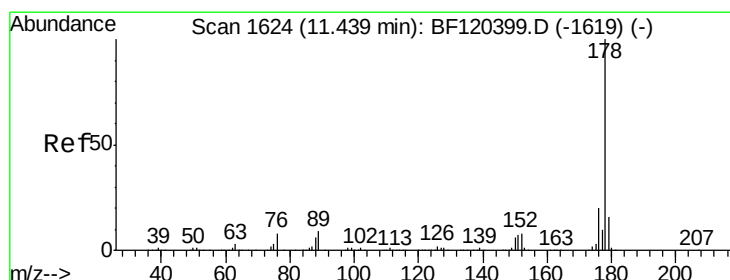
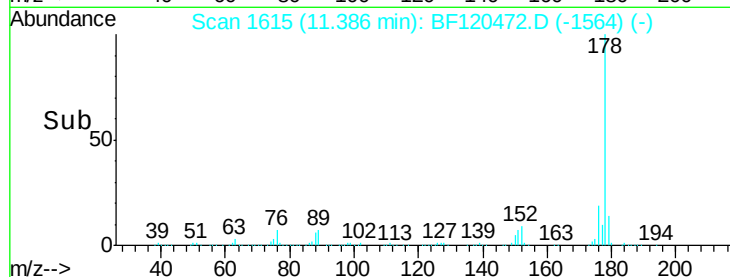
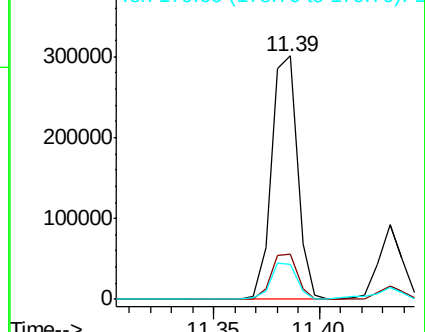
178 100

176 18.7 16.4 24.6

179 14.4 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: 2.163 ng

RT: 11.43 min Scan# 1623

Delta R.T. -0.01 min

Lab File: BF120472.D

Acq: 1 Jun 2020 15:45

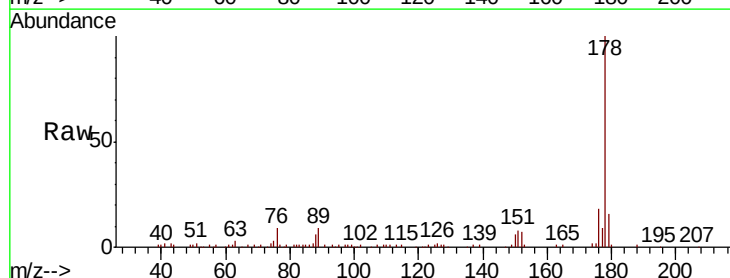
Tgt Ion:178 Resp: 69735

Ion Ratio Lower Upper

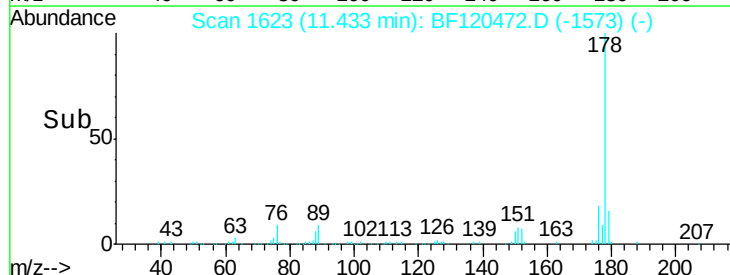
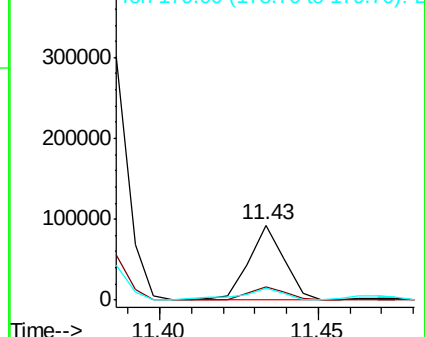
178 100

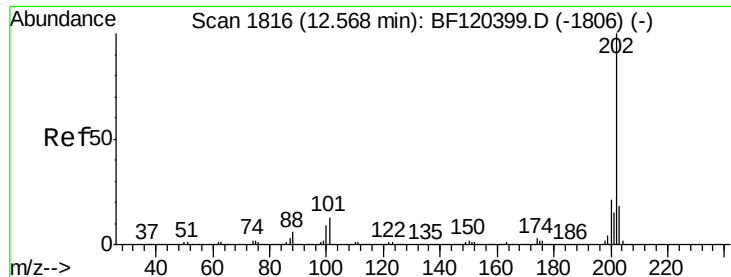
176 18.4 15.8 23.6

179 15.9 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: 12.296 ng

RT: 12.57 min Scan# 1817

Delta R.T. 0.00 min

Lab File: BF120472.D

Acq: 1 Jun 2020 15:45

Instrument :

BNA_F

ClientSampleId :

NM10-COMP-2020-0-6

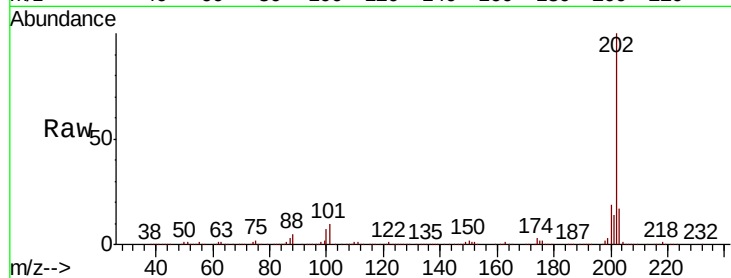
Tot Ion:202 Resp: 425236

Ion Ratio Lower Upper

202 100

101 9.6 0.0 32.6

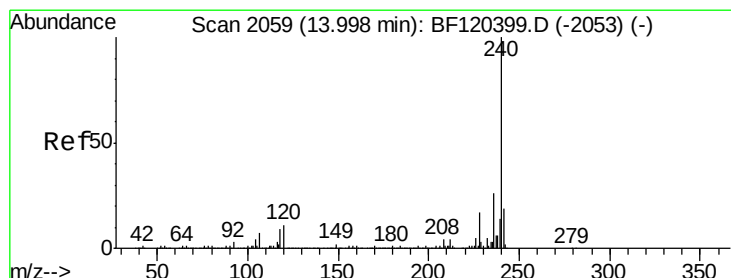
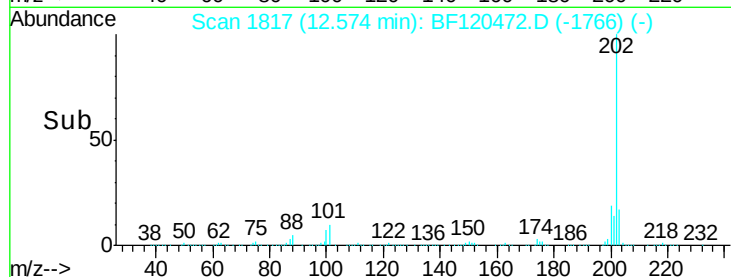
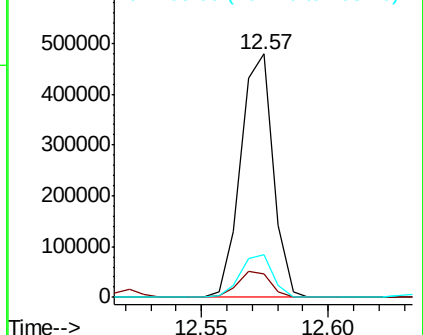
203 17.3 0.0 38.4



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. 0.00 min

Lab File: BF120472.D

Acq: 1 Jun 2020 15:45

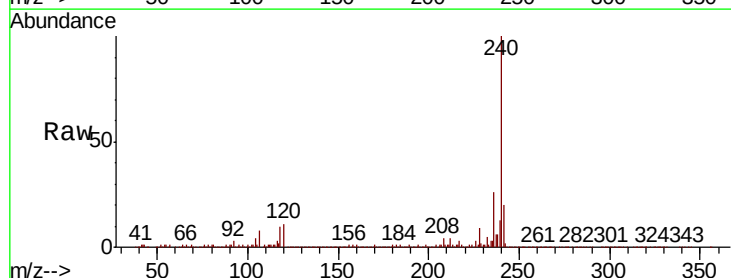
Tgt Ion:240 Resp: 535763

Ion Ratio Lower Upper

240 100

120 11.3 8.8 13.2

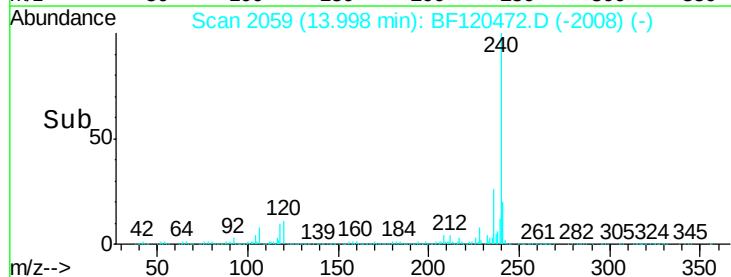
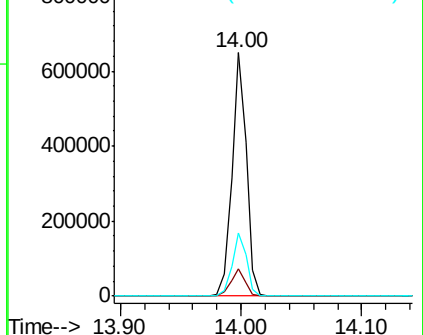
236 25.9 21.0 31.4

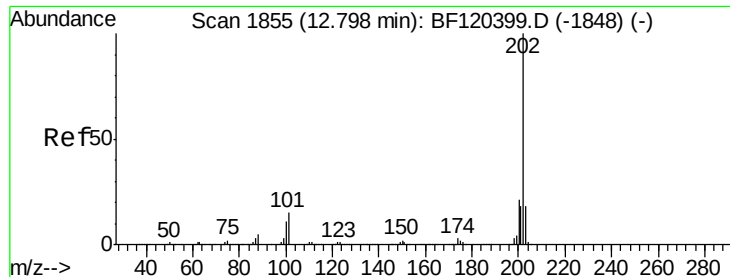


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#78

Pvrene

Concen: 10.332 ng

RT: 12.80 min Scan# 1855

Delta R.T. 0.00 min

Lab File: BF120472.D

Acq: 1 Jun 2020 15:45

Instrument :

BNA_F

ClientSampleId :

NM10-COMP-2020-0-6

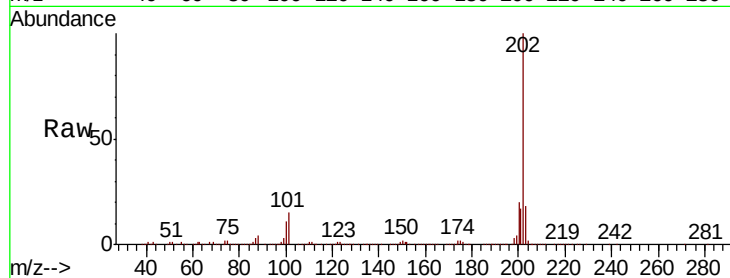
Tot Ion:202 Resp: 384975

Ion Ratio Lower Upper

202 100

200 19.9 17.0 25.4

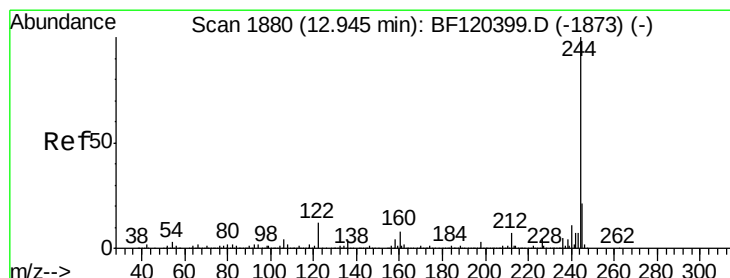
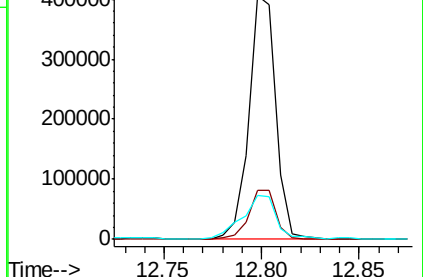
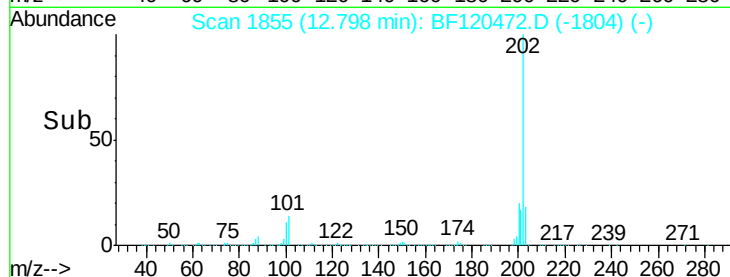
203 18.3 14.7 22.1



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: 60.570 ng

RT: 12.95 min Scan# 1880

Delta R.T. 0.00 min

Lab File: BF120472.D

Acq: 1 Jun 2020 15:45

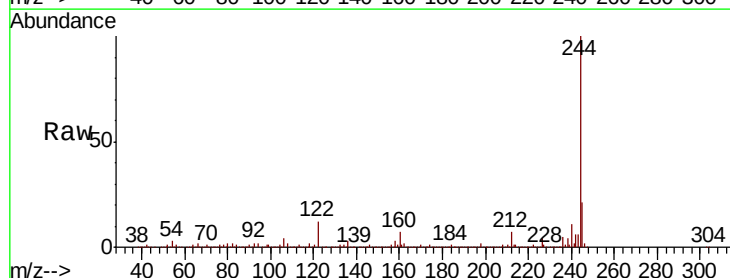
Tgt Ion:244 Resp: 1458317

Ion Ratio Lower Upper

244 100

212 7.0 5.9 8.9

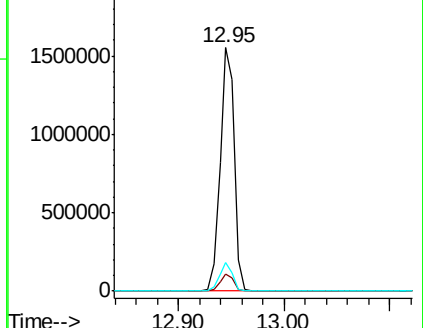
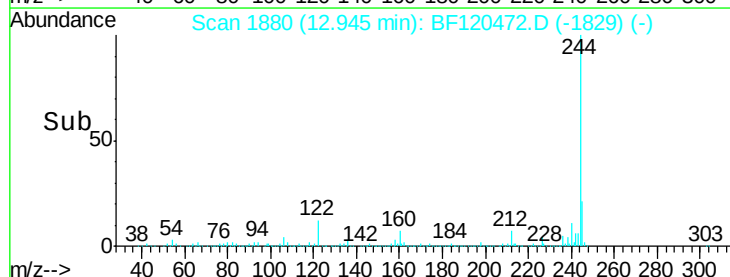
122 11.8 9.2 13.8

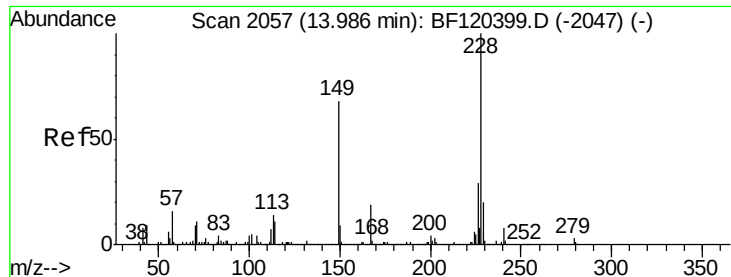


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

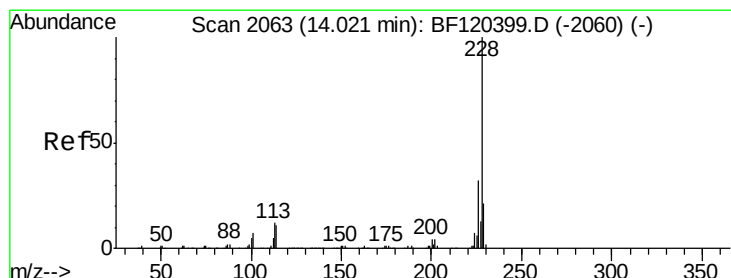
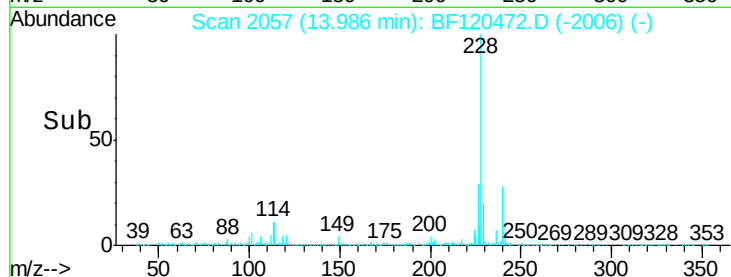
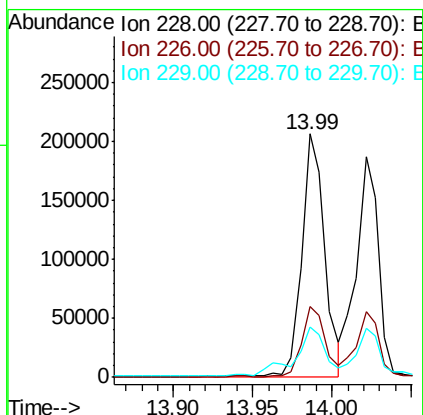
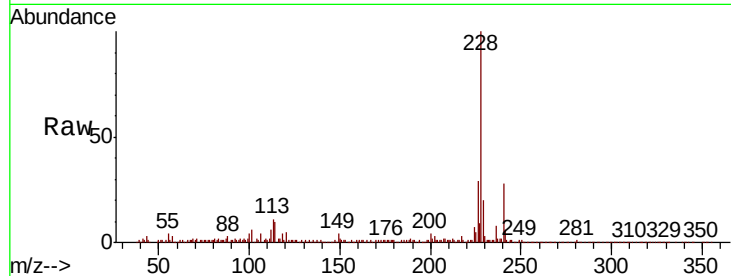




#81
Benzo(a)anthracene
Concen: 7.141 ng
RT: 13.99 min Scan# 2057
Delta R.T. 0.00 min
Lab File: BF120472.D
Acq: 1 Jun 2020 15:45

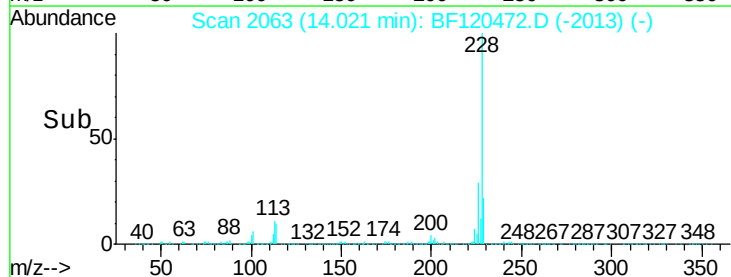
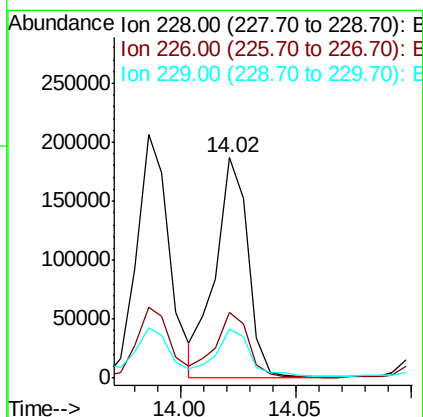
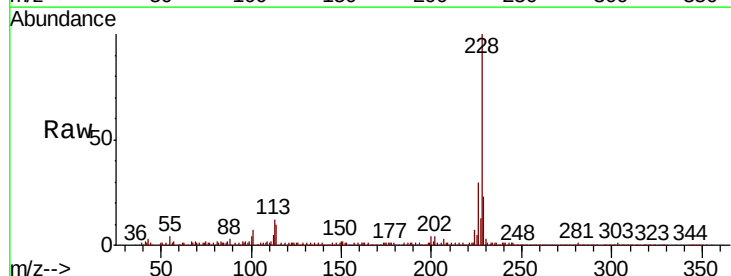
Instrument :
BNA_F
ClientSampleId :
NM10-COMP-2020-0-6

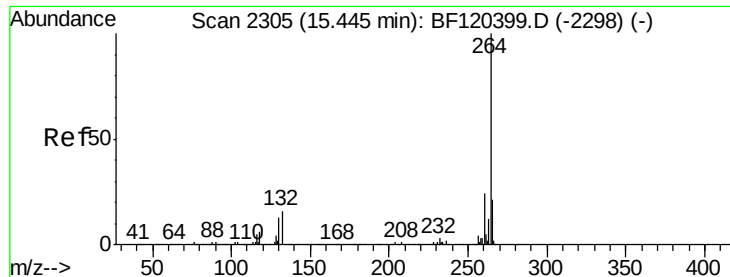
Tot Ion:228 Resp: 205046
Ion Ratio Lower Upper
228 100
226 29.1 23.0 34.4
229 20.4 16.2 24.4



#83
Chrysene
Concen: 6.014 ng
RT: 14.02 min Scan# 2063
Delta R.T. -0.01 min
Lab File: BF120472.D
Acq: 1 Jun 2020 15:45

Tgt Ion:228 Resp: 181042
Ion Ratio Lower Upper
228 100
226 29.5 25.6 38.4
229 22.5 16.6 25.0

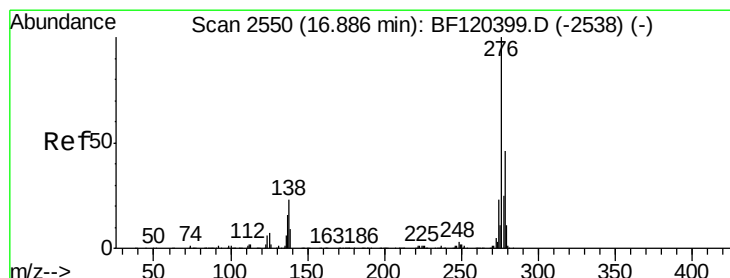
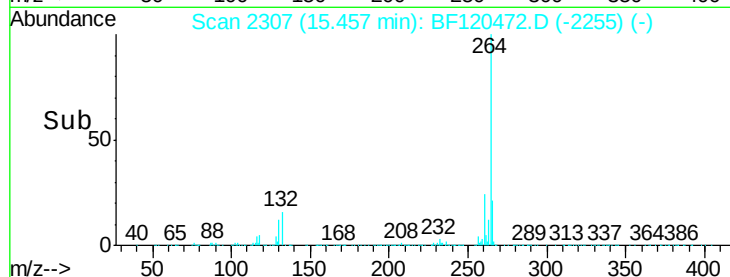
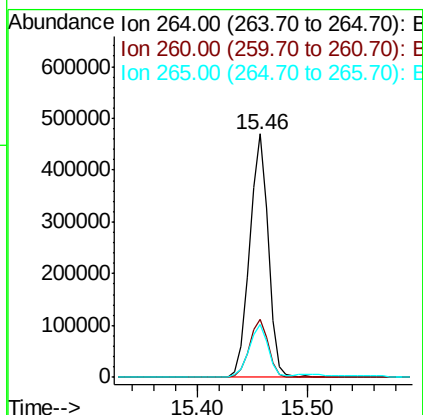
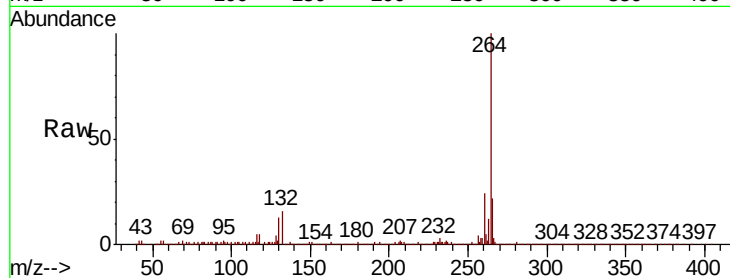




#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.46 min Scan# 2307
Delta R.T. 0.01 min
Lab File: BF120472.D
Acq: 1 Jun 2020 15:45

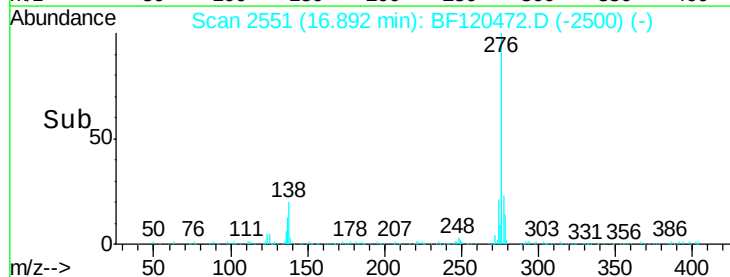
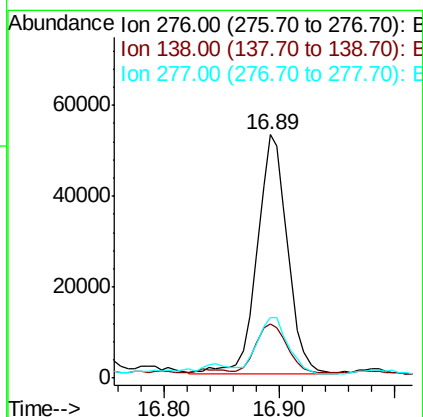
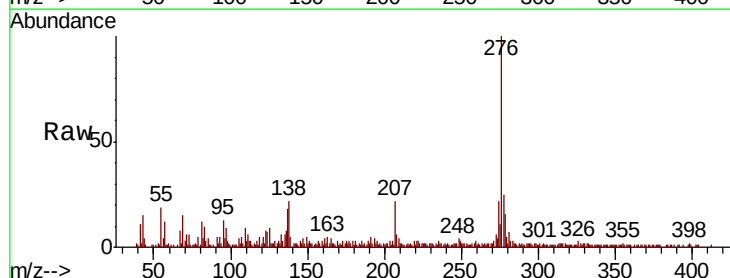
Instrument :
BNA_F
ClientSampleId :
NM10-COMP-2020-0-6

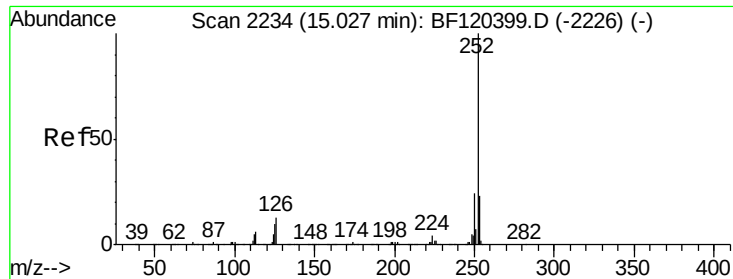
Tot Ion:264 Resp: 554626
Ion Ratio Lower Upper
264 100
260 23.8 19.2 28.8
265 21.5 16.9 25.3



#87
Indeno(1,2,3-cd)pyrene
Concen: 3.185 ng
RT: 16.89 min Scan# 2551
Delta R.T. 0.00 min
Lab File: BF120472.D
Acq: 1 Jun 2020 15:45

Tgt Ion:276 Resp: 96619
Ion Ratio Lower Upper
276 100
138 21.6 20.4 30.6
277 24.6 20.4 30.6

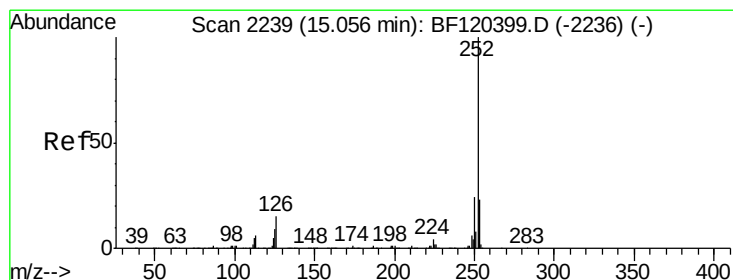
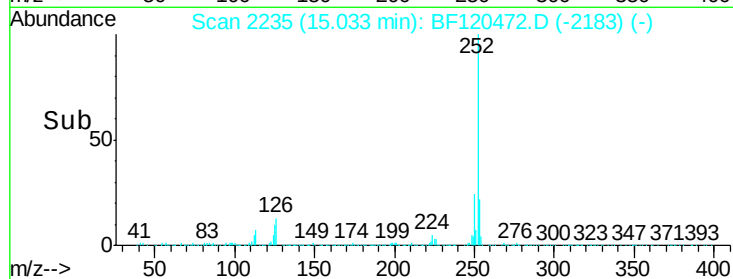
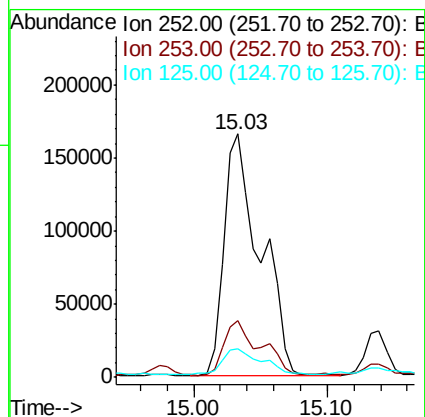
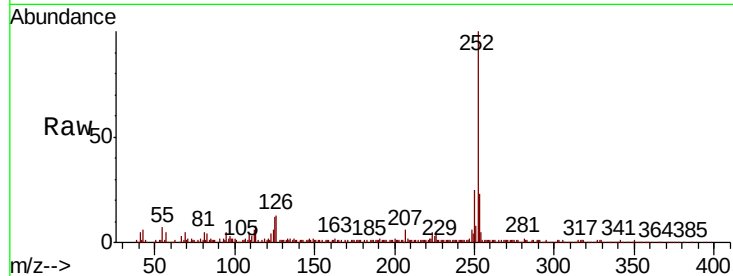




#88
Benzo(b)fluoranthene
Concen: 10.173 ng
RT: 15.03 min Scan# 2235
Delta R.T. 0.01 min
Lab File: BF120472.D
Acq: 1 Jun 2020 15:45

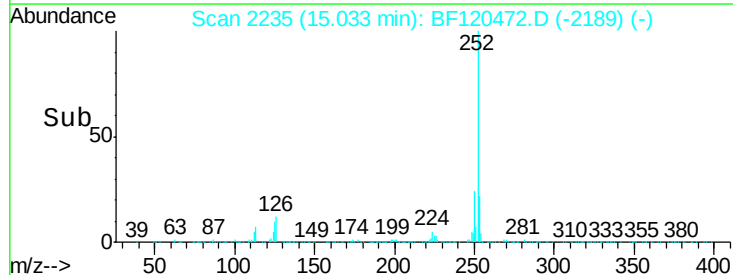
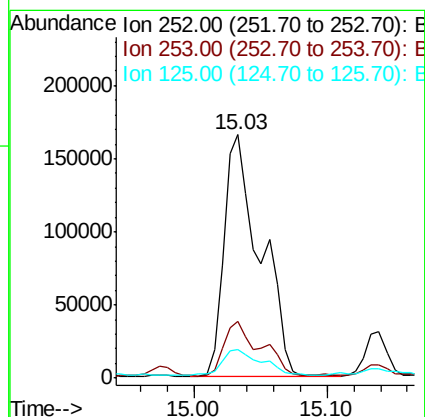
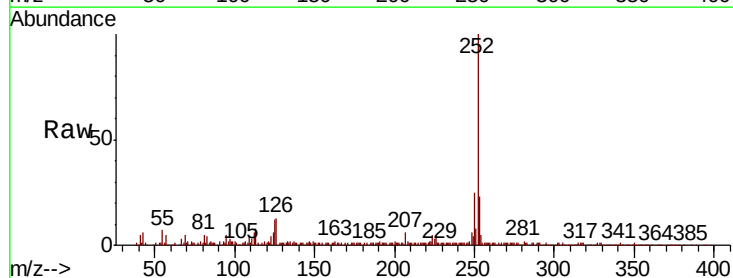
Instrument :
BNA_F
ClientSampleId :
NM10-COMP-2020-0-6

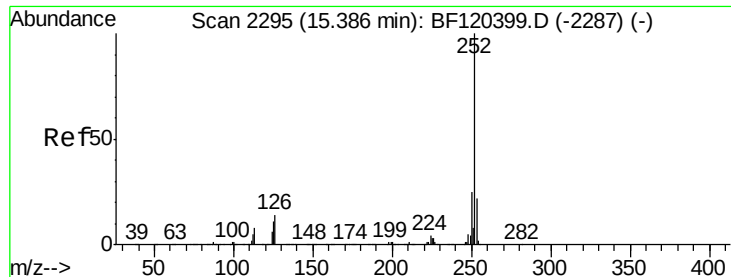
Tot Ion:252 Resp: 313382
Ion Ratio Lower Upper
252 100
253 23.1 18.1 27.1
125 11.8 7.8 11.8#



#89
Benzo(k)fluoranthene
Concen: 10.897 ng
RT: 15.03 min Scan# 2235
Delta R.T. -0.03 min
Lab File: BF120472.D
Acq: 1 Jun 2020 15:45

Tgt Ion:252 Resp: 313382
Ion Ratio Lower Upper
252 100
253 23.1 18.5 27.7
125 11.8 8.0 12.0

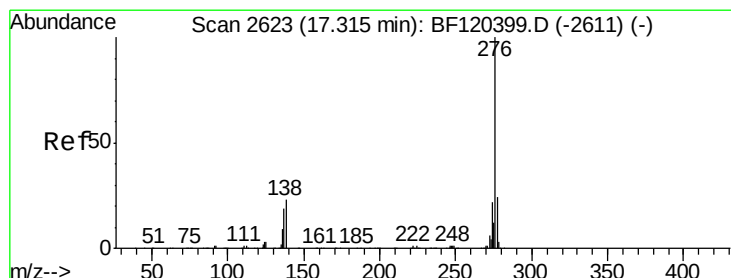
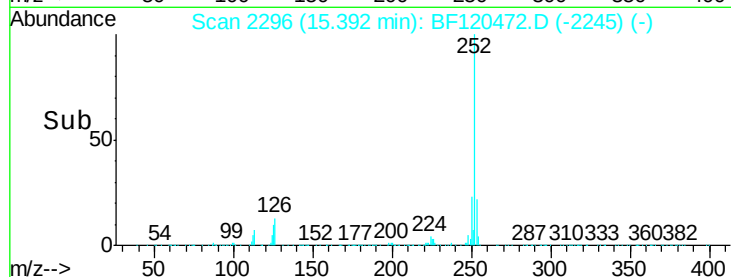
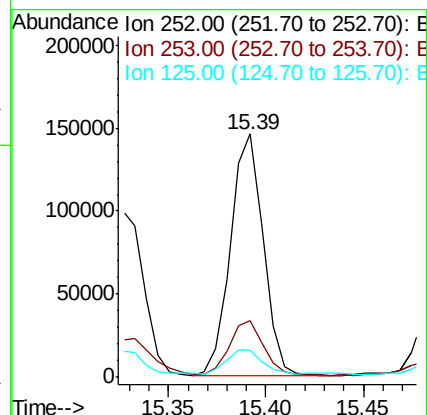
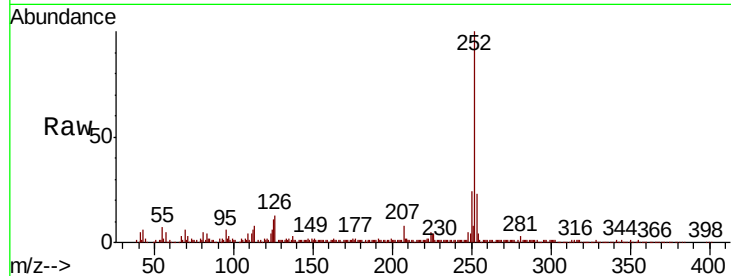




#90
Benzo(a)pyrene
Concen: 6.272 ng
RT: 15.39 min Scan# 2296
Delta R.T. 0.00 min
Lab File: BF120472.D
Acq: 1 Jun 2020 15:45

Instrument :
BNA_F
ClientSampleId :
NM10-COMP-2020-0-6

Tot Ion:252 Resp: 168998
Ion Ratio Lower Upper
252 100
253 23.1 17.4 26.0
125 11.2 8.7 13.1



#92
Benzo(g,h,i)perylene
Concen: 3.641 ng
RT: 17.33 min Scan# 2626
Delta R.T. 0.01 min
Lab File: BF120472.D
Acq: 1 Jun 2020 15:45

Tgt Ion:276 Resp: 88809
Ion Ratio Lower Upper
276 100
277 25.8 19.5 29.3
138 21.3 18.1 27.1

