

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF060120\
 Data File : BF120473.D
 Acq On : 1 Jun 2020 16:12
 Operator : JU/CG
 Sample : L2746-18
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 NM82-COMP-2020-0-6

Quant Time: Jun 01 16:53:29 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	248435	20.00	ng	0.00
21) Naphthalene-d8	8.12	136	896645	20.00	ng	0.00
39) Acenaphthene-d10	9.87	164	431751	20.00	ng	0.00
64) Phenanthrene-d10	11.36	188	723726	20.00	ng	0.00
76) Chrysene-d12	14.00	240	521235	20.00	ng	0.00
86) Perylene-d12	15.46	264	524575	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.46	112	1019867	78.23	ng	0.00
7) Phenol-d6	6.47	99	1290405	80.31	ng	0.00
23) Nitrobenzene-d5	7.40	82	810823	59.15	ng	0.00
42) 2,4,6-Tribromophenol	10.66	330	329830	82.45	ng	0.00
45) 2-Fluorobiphenyl	9.20	172	1504088	59.11	ng	0.00
79) Terphenyl-d14	12.94	244	1355390	57.86	ng	0.00

Target Compounds

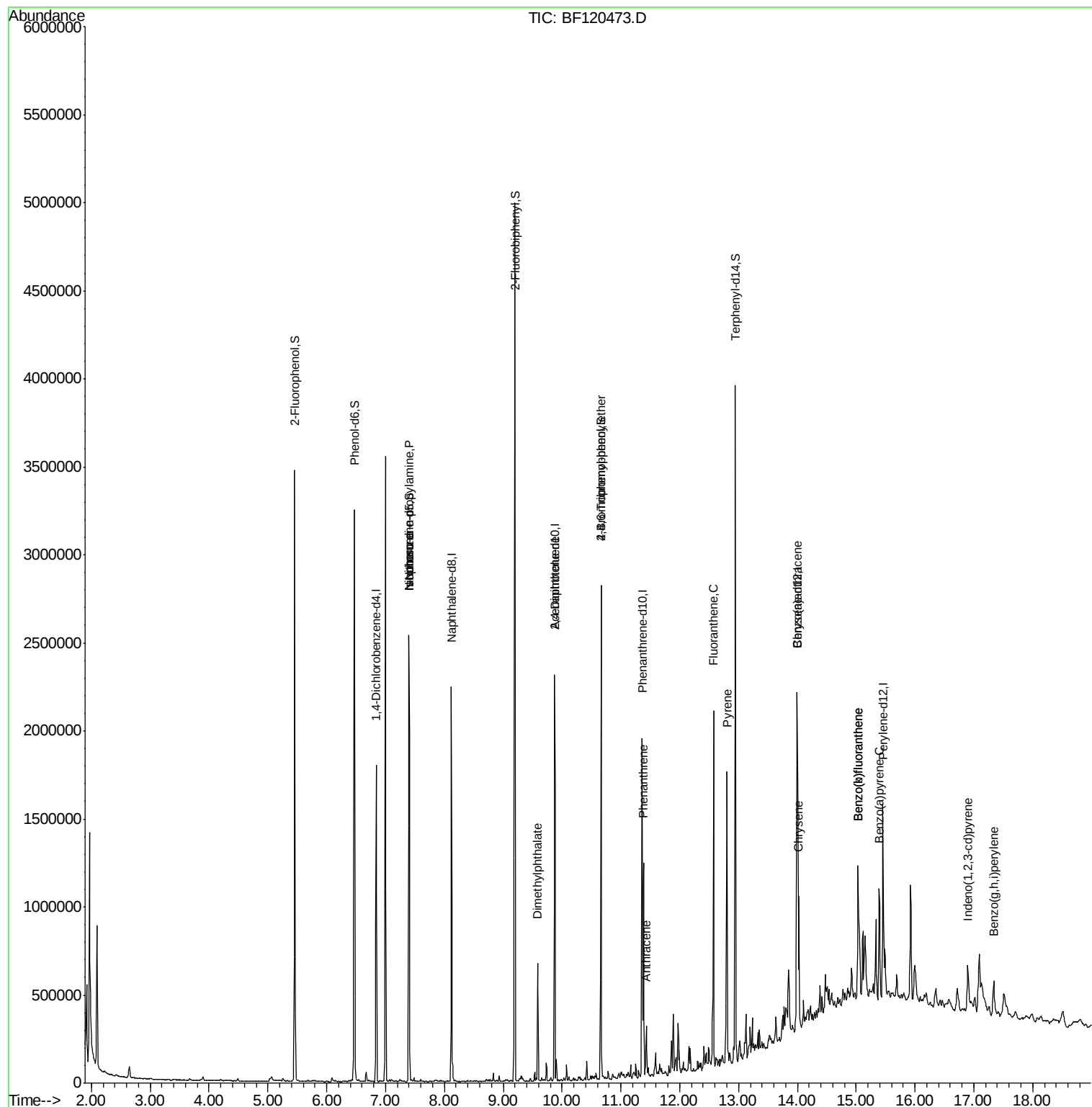
						Qvalue
19) n-Nitroso-di-n-propylamine	7.40	70	107645	10.539	ng	# 78
25) Isophorone	7.40	82	807474	29.309	ng	# 64
50) Dimethylphthalate	9.59	163	250502	9.281	ng	100
57) 2,4-Dinitrotoluene	9.87	165	56885	7.410	ng	# 22
67) 4-Bromophenyl-phenylether	10.66	248	19974	2.734	ng	# 1
71) Phenanthrene	11.39	178	437957	13.734	ng	97
72) Anthracene	11.43	178	99040	3.095	ng	98
75) Fluoranthene	12.57	202	729721	21.266	ng	97
78) Pyrene	12.80	202	675948	18.647	ng	99
81) Benzo(a)anthracene	13.99	228	349532	12.512	ng	98
83) Chrysene	14.03	228	329203	11.241	ng	97
87) Indeno(1,2,3-cd)pyrene	16.90	276	176872	6.165	ng	94
88) Benzo(b)fluoranthene	15.03	252	565529	19.410	ng	99
89) Benzo(k)fluoranthene	15.03	252	565529	20.791	ng	99
90) Benzo(a)pyrene	15.39	252	304262	11.939	ng	98
92) Benzo(g,h,i)perylene	17.34	276	164315	7.122	ng	97

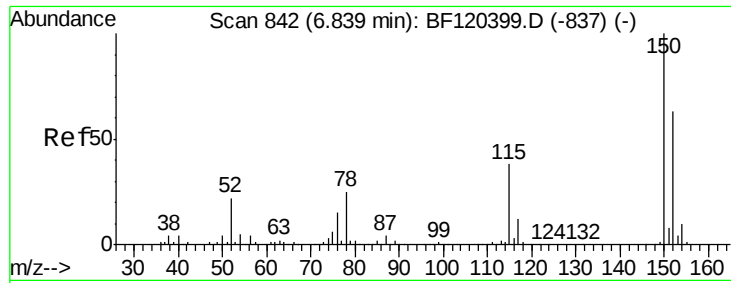
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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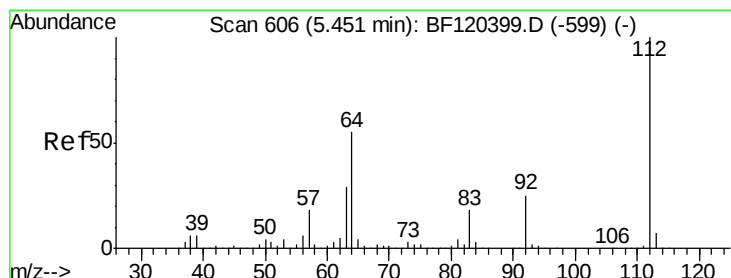
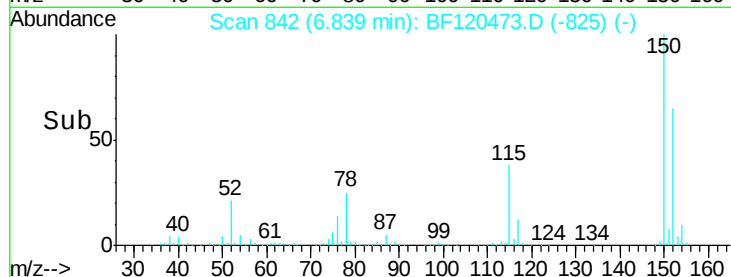
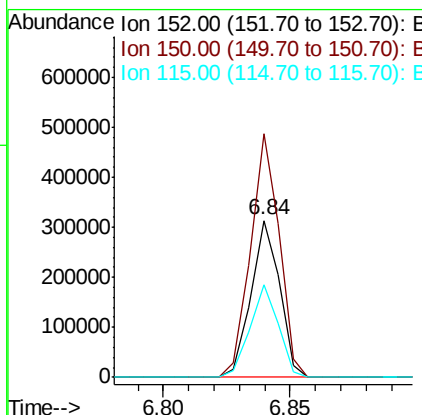
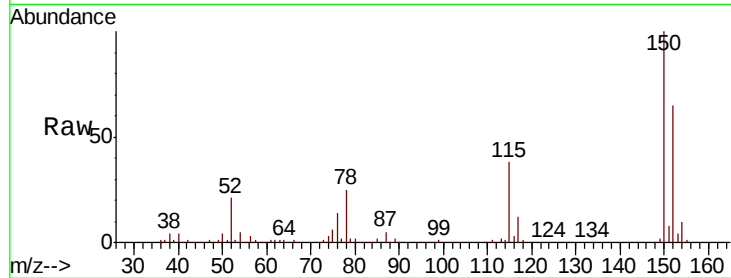




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.84 min Scan# 842
 Delta R.T. 0.00 min
 Lab File: BF120473.D
 Acq: 1 Jun 2020 16:12

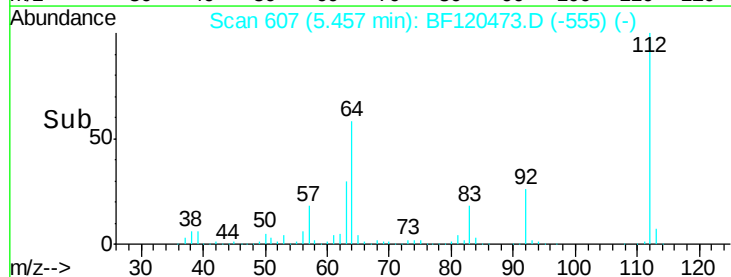
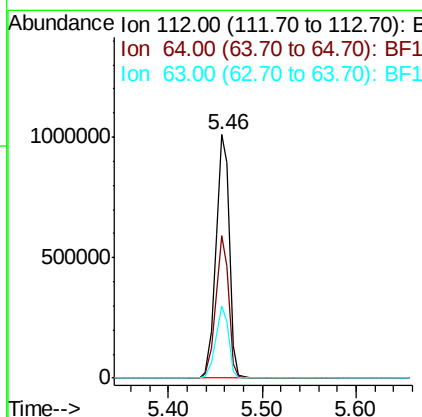
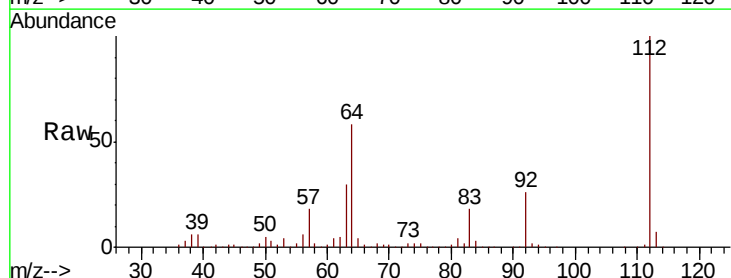
Instrument :
 BNA_F
 ClientSampleId :
 NM82-COMP-2020-0-6

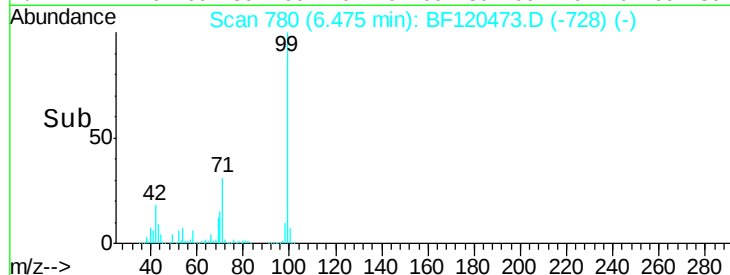
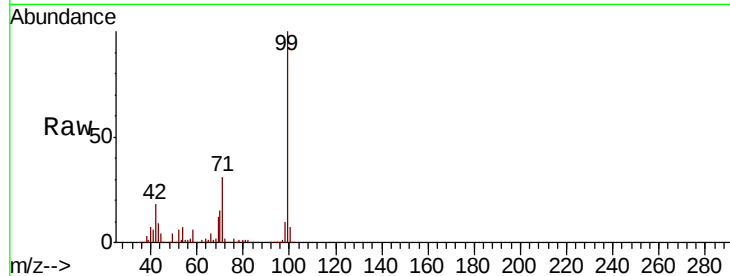
Tot Ion:152 Resp: 248435
 Ion Ratio Lower Upper
 152 100
 150 154.9 126.5 189.7
 115 58.7 47.6 71.4



#5
 2-Fluorophenol
 Concen: 78.234 ng
 RT: 5.46 min Scan# 607
 Delta R.T. 0.01 min
 Lab File: BF120473.D
 Acq: 1 Jun 2020 16:12

Tgt Ion:112 Resp: 1019867
 Ion Ratio Lower Upper
 112 100
 64 58.3 44.3 66.5
 63 29.8 22.9 34.3





#7

Phenol-d6

Concen: 80.309 ng

RT: 6.47 min Scan# 780

Delta R.T. 0.01 min

Lab File: BF120473.D

Acq: 1 Jun 2020 16:12

Instrument :

BNA_F

ClientSampleId :

NM82-COMP-2020-0-6

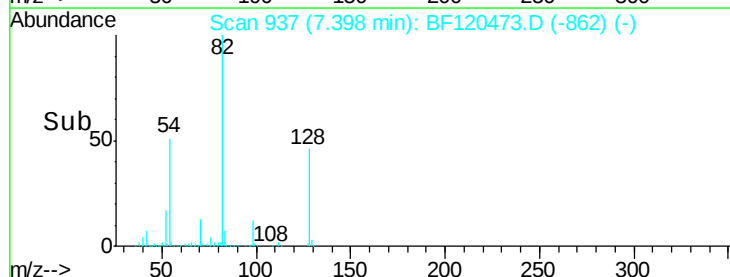
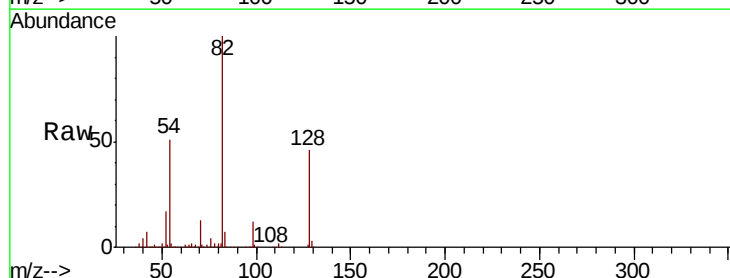
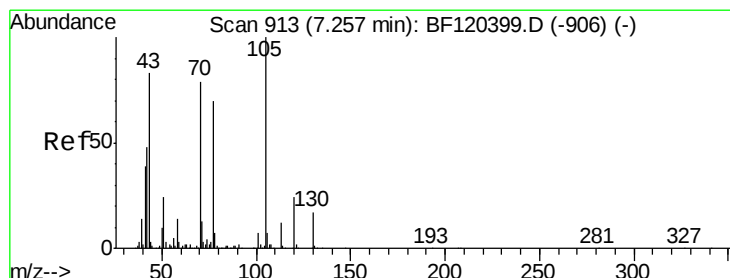
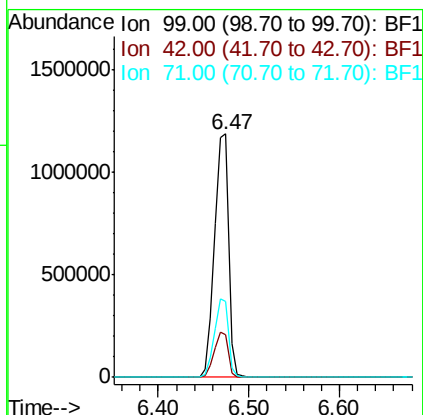
Tot Ion: 99 Resp: 1290405

Ion Ratio Lower Upper

99 100

42 17.5 15.2 22.8

71 31.3 25.6 38.4



#19

n-Nitroso-di-n-propylamine

Concen: 10.539 ng

RT: 7.40 min Scan# 937

Delta R.T. 0.14 min

Lab File: BF120473.D

Acq: 1 Jun 2020 16:12

Tgt Ion: 70 Resp: 107645

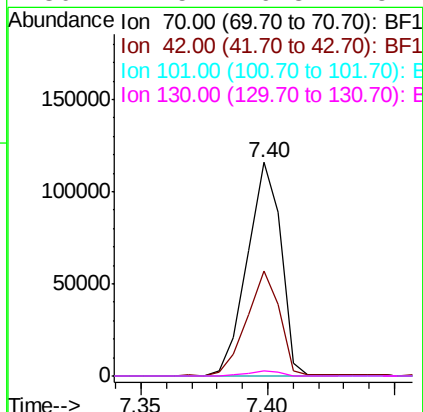
Ion Ratio Lower Upper

70 100

42 49.2 48.9 73.3

101 0.0 7.4 11.2#

130 2.5 16.8 25.2#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.12 min Scan# 1060

Delta R.T. 0.00 min

Lab File: BF120473.D

Acq: 1 Jun 2020 16:12

Instrument :

BNA_F

ClientSampleId :

NM82-COMP-2020-0-6

Tot Ion:136 Resp: 896645

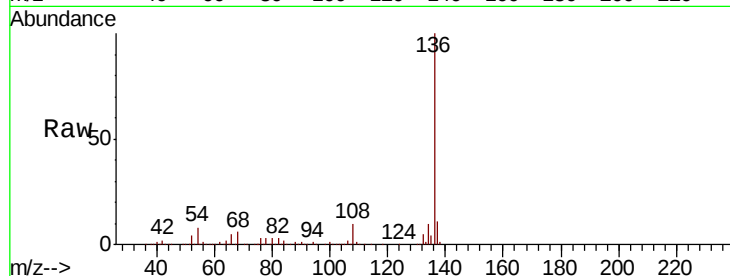
Ion Ratio Lower Upper

136 100

137 11.2 9.1 13.7

54 7.6 6.7 10.1

68 6.3 5.0 7.4

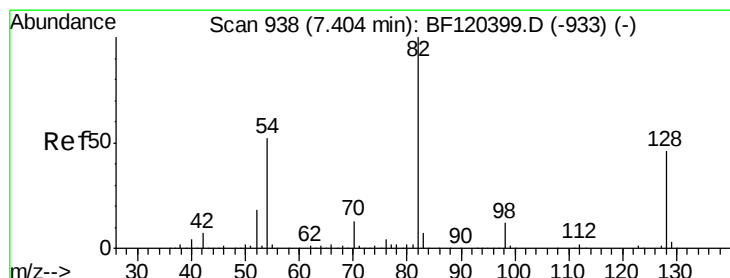
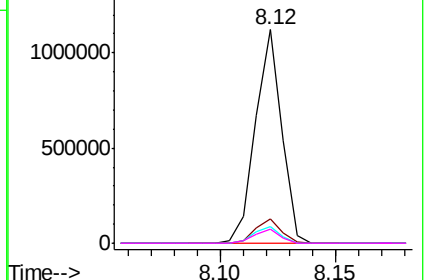
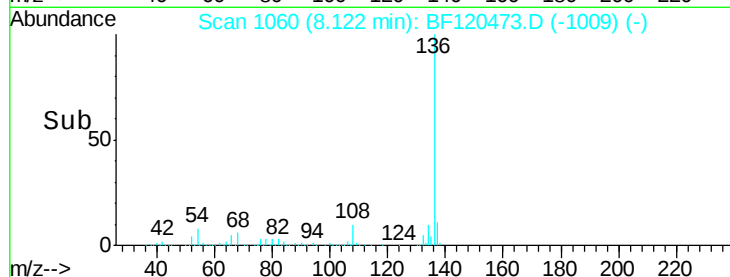


Abundance Ion 136.00 (135.70 to 136.70): E

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: 59.152 ng

RT: 7.40 min Scan# 937

Delta R.T. -0.01 min

Lab File: BF120473.D

Acq: 1 Jun 2020 16:12

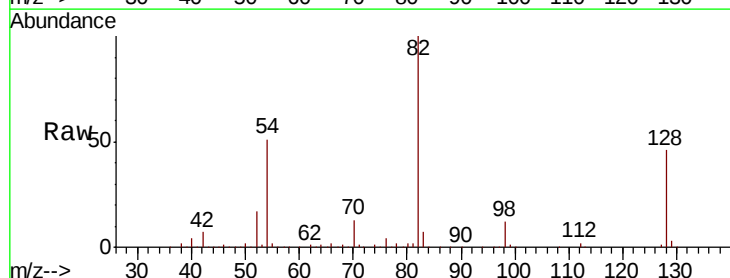
Tgt Ion: 82 Resp: 810823

Ion Ratio Lower Upper

82 100

128 45.9 36.8 55.2

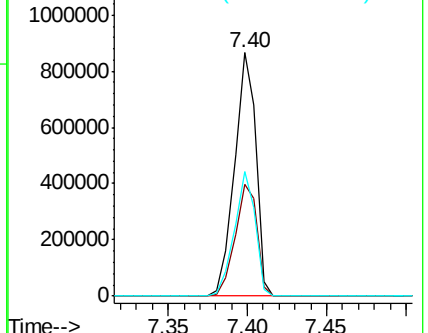
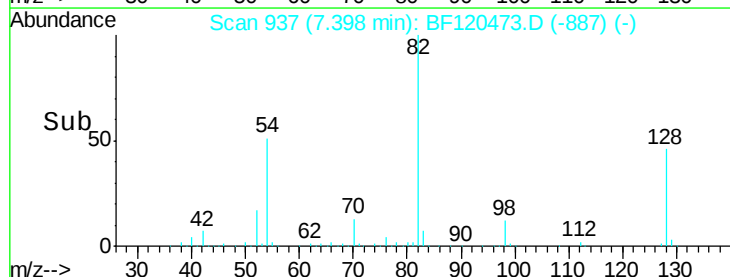
54 51.2 41.6 62.4



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: 29.309 ng

RT: 7.40 min Scan# 937

Delta R.T. -0.26 min

Lab File: BF120473.D

Acq: 1 Jun 2020 16:12

Instrument :

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ClientSampleId :

NM82-COMP-2020-0-6

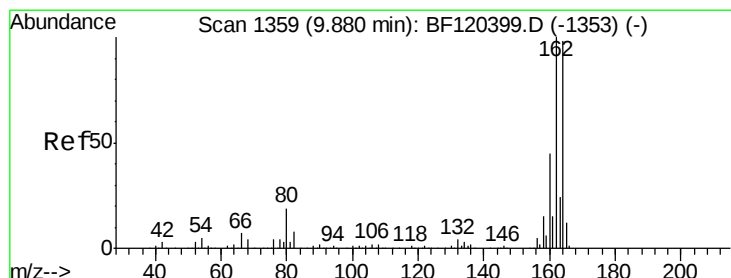
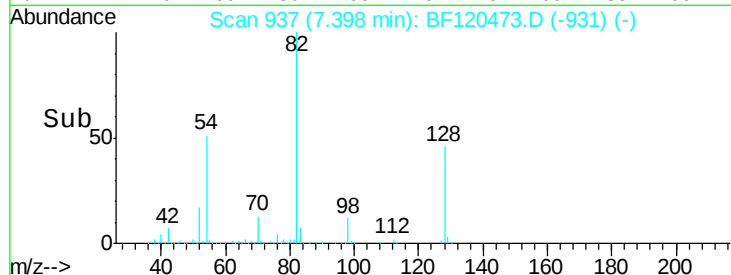
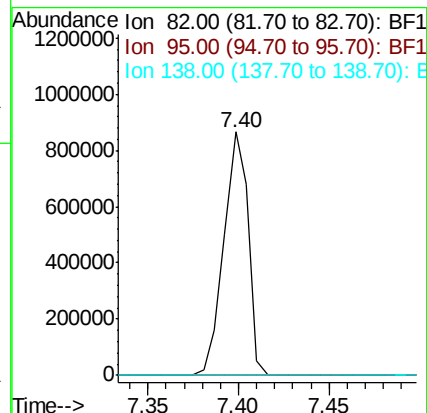
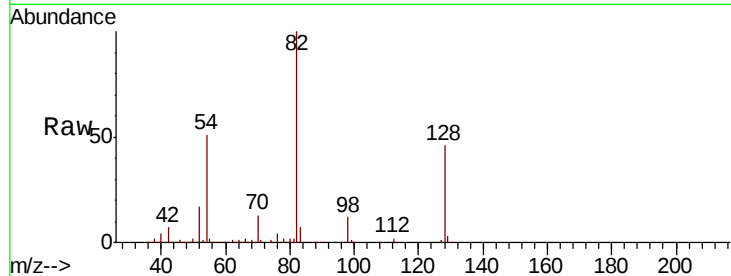
Tot Ion: 82 Resp: 807474

Ion Ratio Lower Upper

82 100

95 0.0 5.6 8.4#

138 0.0 15.0 22.4#



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.87 min Scan# 1358

Delta R.T. 0.00 min

Lab File: BF120473.D

Acq: 1 Jun 2020 16:12

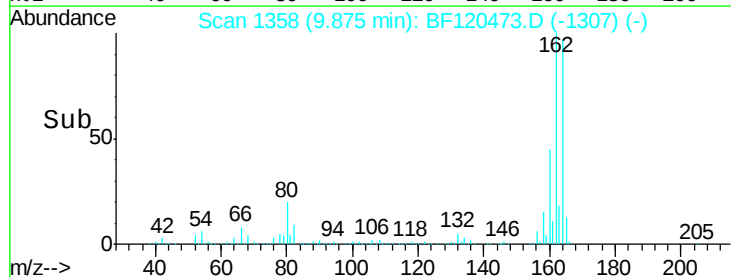
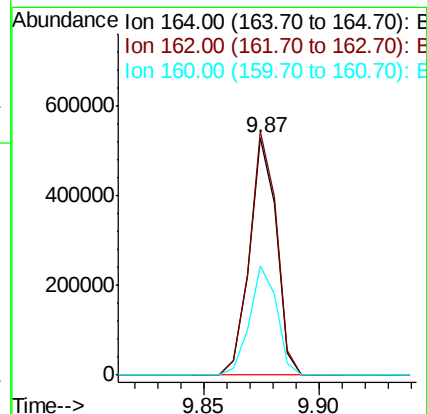
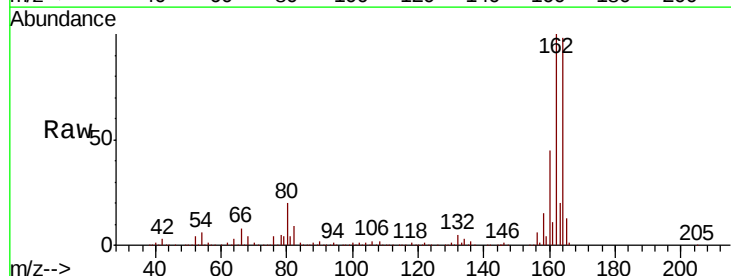
Tgt Ion:164 Resp: 431751

Ion Ratio Lower Upper

164 100

162 102.5 81.3 121.9

160 46.0 36.9 55.3

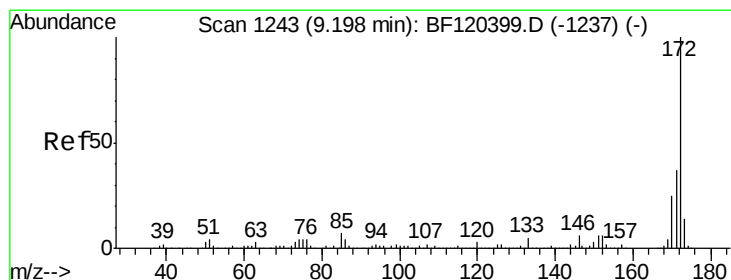
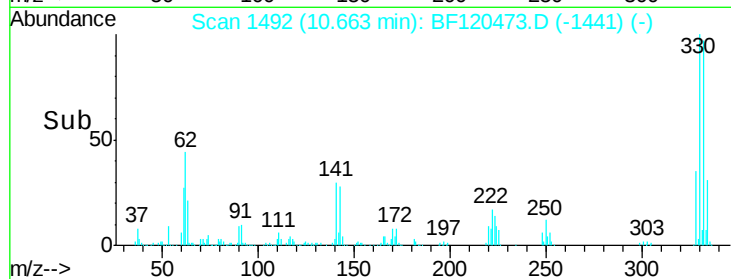
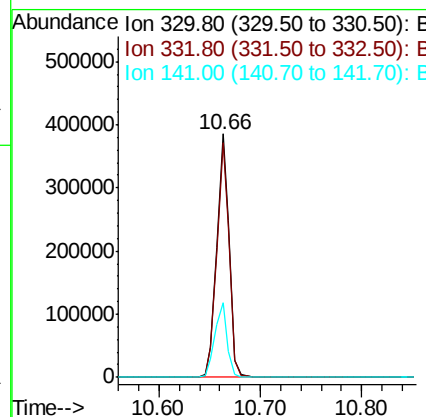
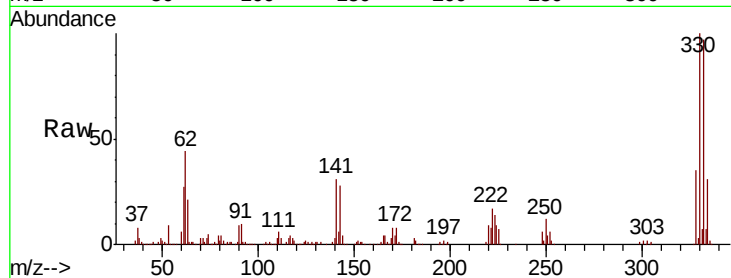




#42
 2,4,6-Tribromophenol
 Concen: 82.450 ng
 RT: 10.66 min Scan# 1492
 Delta R.T. 0.00 min
 Lab File: BF120473.D
 Acq: 1 Jun 2020 16:12

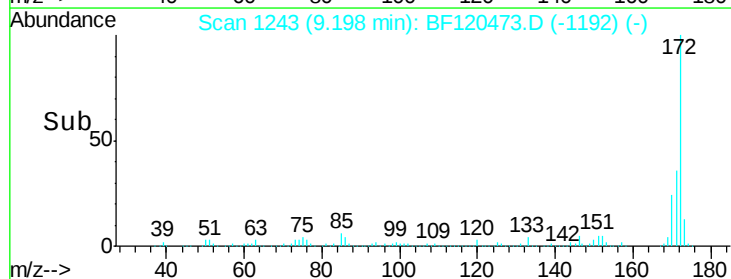
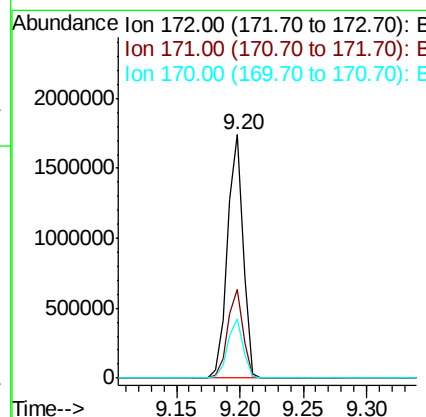
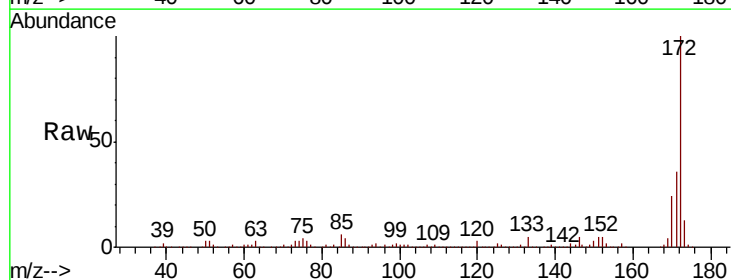
Instrument :
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 NM82-COMP-2020-0-6

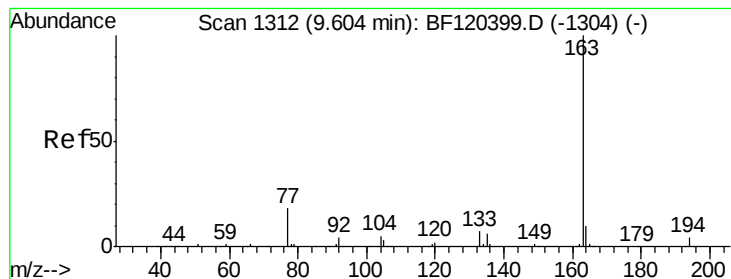
Tot Ion:330 Resp: 329830
 Ion Ratio Lower Upper
 330 100
 332 96.3 77.0 115.6
 141 30.2 25.3 37.9



#45
 2-Fluorobiphenyl
 Concen: 59.108 ng
 RT: 9.20 min Scan# 1243
 Delta R.T. 0.00 min
 Lab File: BF120473.D
 Acq: 1 Jun 2020 16:12

Tgt Ion:172 Resp: 1504088
 Ion Ratio Lower Upper
 172 100
 171 36.3 29.7 44.5
 170 24.4 19.9 29.9





#50

Dimethylphthalate

Concen: 9.281 ng

RT: 9.59 min Scan# 1309

Delta R.T. -0.02 min

Lab File: BF120473.D

Acq: 1 Jun 2020 16:12

Instrument :

BNA_F

ClientSampleId :

NM82-COMP-2020-0-6

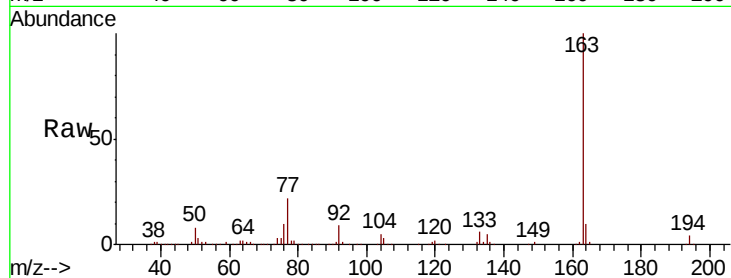
Tot Ion:163 Resp: 250502

Ion Ratio Lower Upper

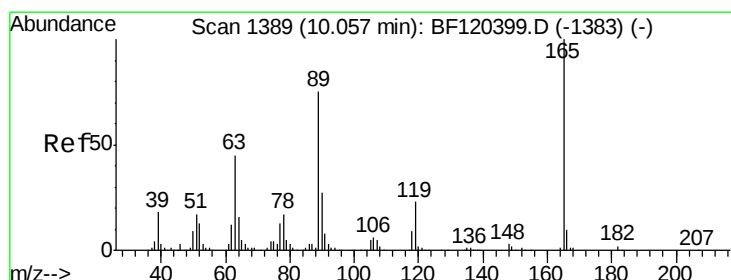
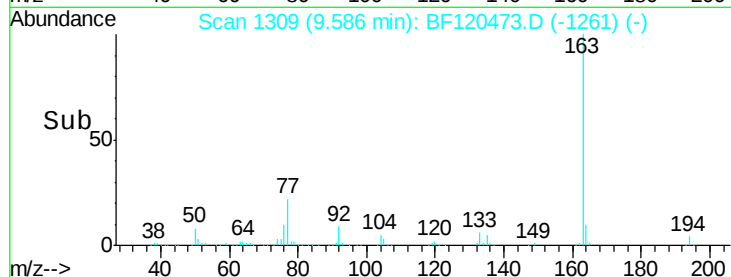
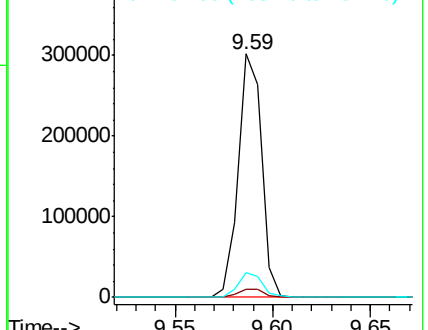
163 100

194 3.6 3.3 4.9

164 10.4 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: 7.410 ng

RT: 9.87 min Scan# 1358

Delta R.T. -0.19 min

Lab File: BF120473.D

Acq: 1 Jun 2020 16:12

Tgt Ion:165 Resp: 56885

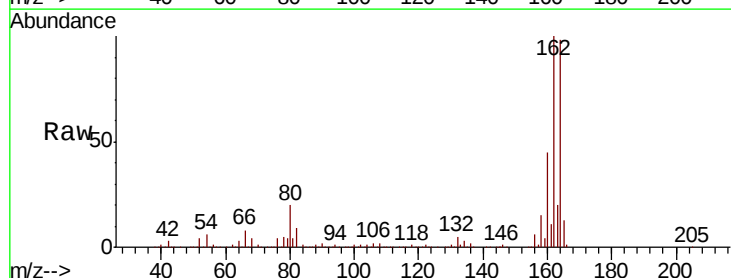
Ion Ratio Lower Upper

165 100

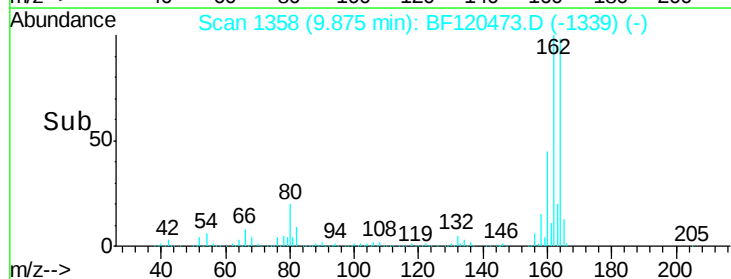
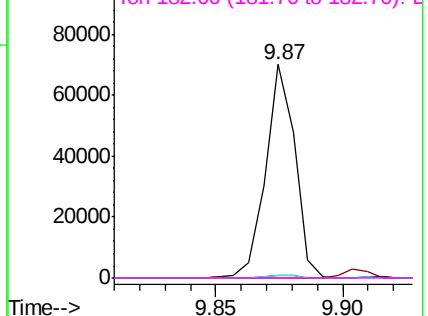
63 1.0 35.9 53.9#

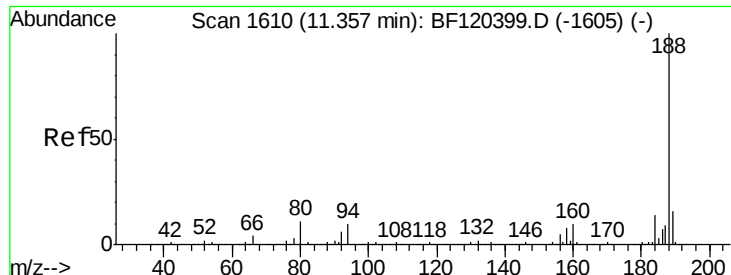
89 1.4 60.0 90.0#

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: BF120473.D

Acq: 1 Jun 2020 16:12

Instrument :

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ClientSampleId :

NM82-COMP-2020-0-6

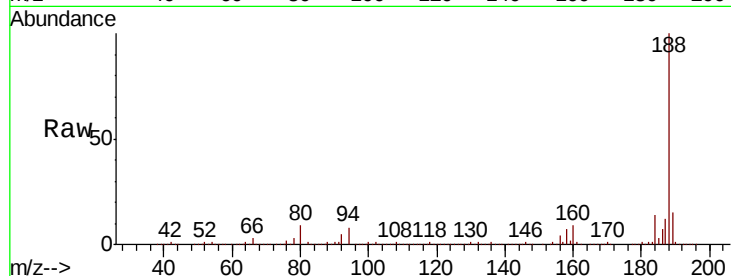
Tot Ion:188 Resp: 723726

Ion Ratio Lower Upper

188 100

94 8.5 7.9 11.9

80 8.8 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

11.36

800000

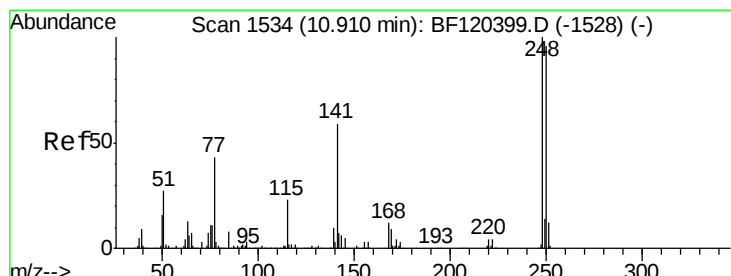
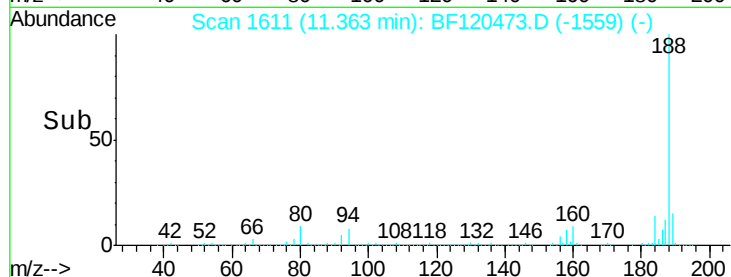
600000

400000

200000

0

Time--> 11.30 11.35 11.40



#67

4-Bromophenyl-phenylether

Concen: 2.734 ng

RT: 10.66 min Scan# 1492

Delta R.T. -0.25 min

Lab File: BF120473.D

Acq: 1 Jun 2020 16:12

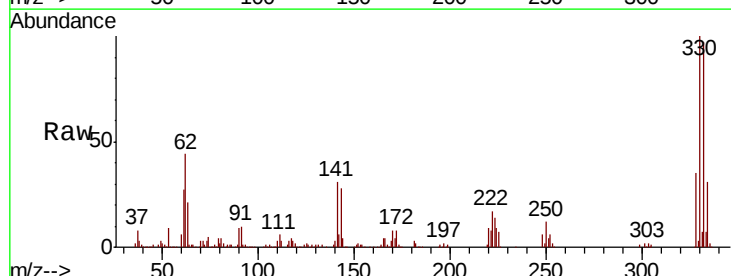
Tgt Ion:248 Resp: 19974

Ion Ratio Lower Upper

248 100

250 189.8 76.5 114.7#

141 487.2 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

10.66

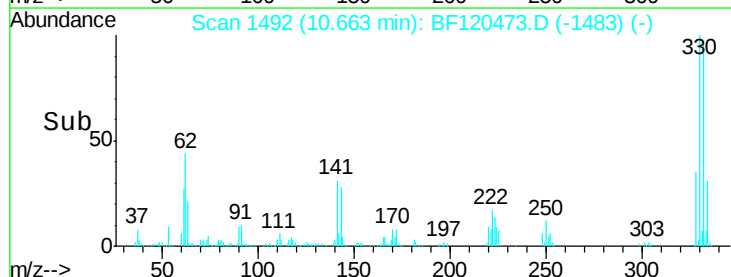
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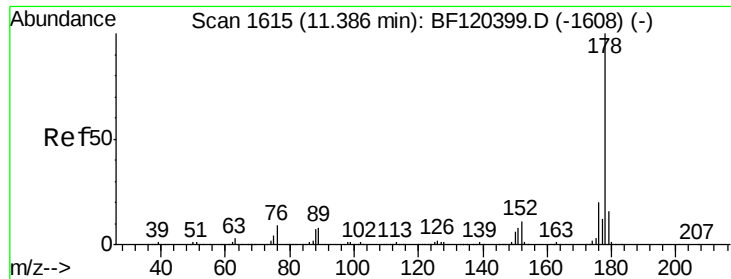
100000

50000

0

Time--> 10.65 10.70

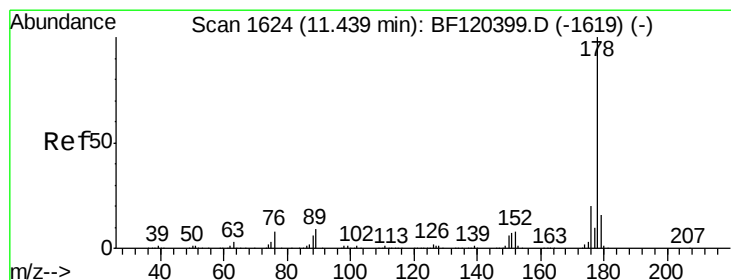
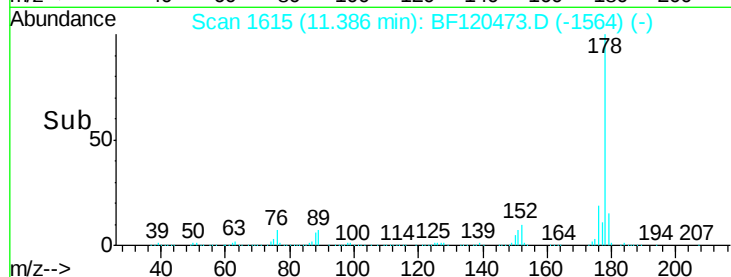
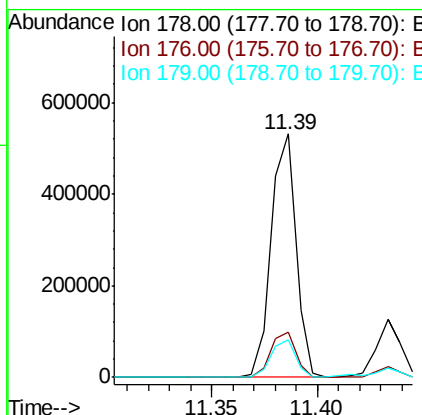
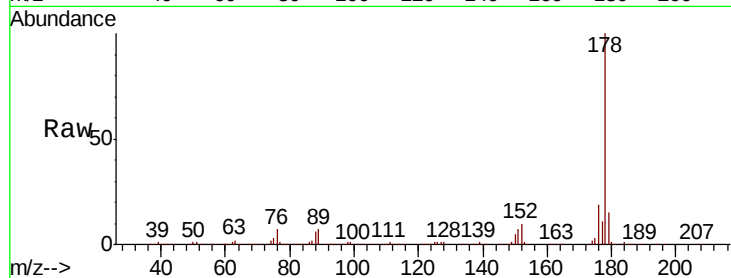




#71
Phenanthrene
Concen: 13.734 ng
RT: 11.39 min Scan# 1615
Delta R.T. 0.00 min
Lab File: BF120473.D
Acq: 1 Jun 2020 16:12

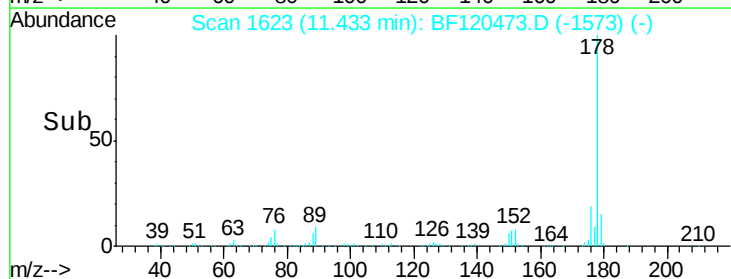
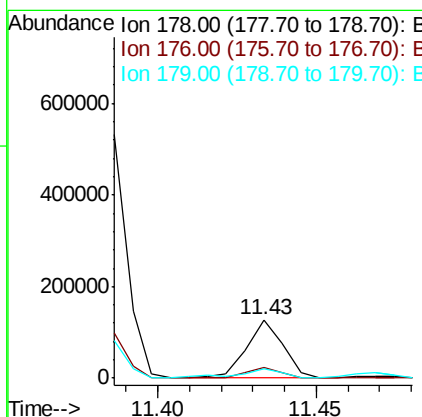
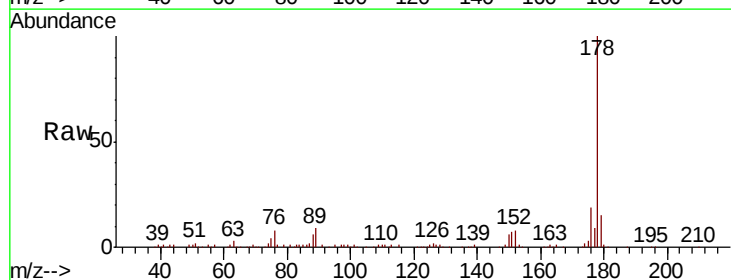
Instrument :
BNA_F
ClientSampleId :
NM82-COMP-2020-0-6

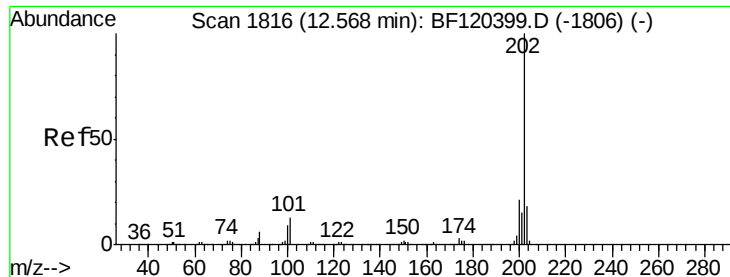
Tot Ion:178 Resp: 437957
Ion Ratio Lower Upper
178 100
176 18.7 16.4 24.6
179 15.2 13.0 19.4



#72
Anthracene
Concen: 3.095 ng
RT: 11.43 min Scan# 1623
Delta R.T. -0.01 min
Lab File: BF120473.D
Acq: 1 Jun 2020 16:12

Tgt Ion:178 Resp: 99040
Ion Ratio Lower Upper
178 100
176 18.5 15.8 23.6
179 15.4 12.8 19.2





#75

Fluoranthene

Concen: 21.266 ng

RT: 12.57 min Scan# 1817

Delta R.T. 0.00 min

Lab File: BF120473.D

Acq: 1 Jun 2020 16:12

Instrument :

BNA_F

ClientSampleId :

NM82-COMP-2020-0-6

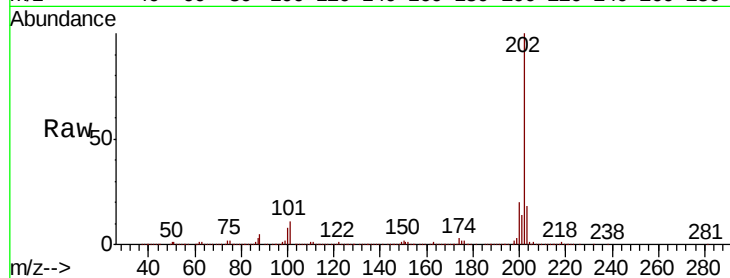
Tot Ion:202 Resp: 729721

Ion Ratio Lower Upper

202 100

101 10.8 0.0 32.6

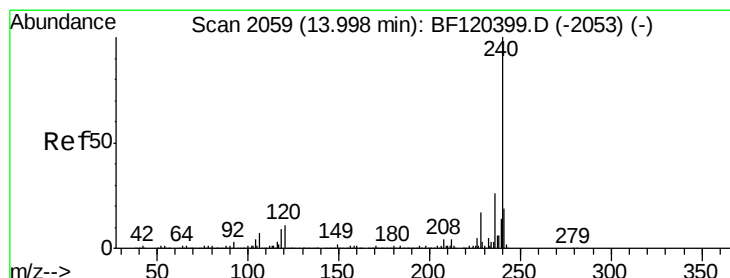
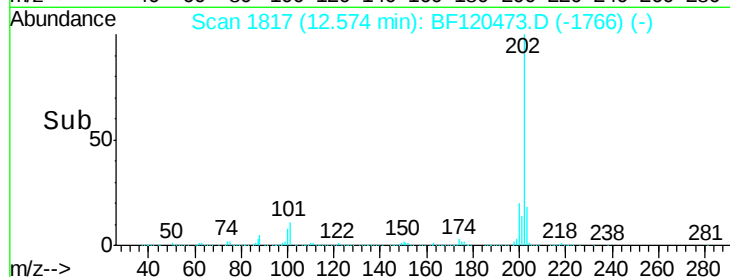
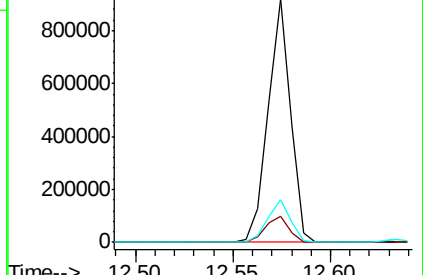
203 17.7 0.0 38.4



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: 14.00 min Scan# 2059

Delta R.T. 0.00 min

Lab File: BF120473.D

Acq: 1 Jun 2020 16:12

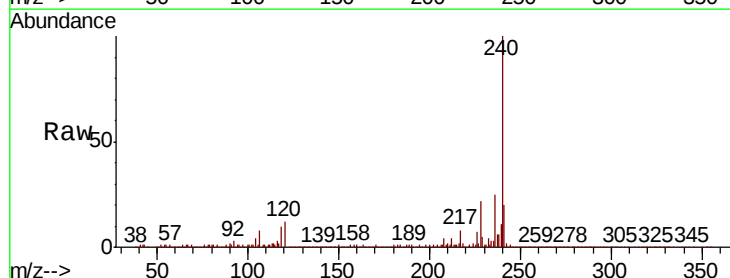
Tgt Ion:240 Resp: 521235

Ion Ratio Lower Upper

240 100

120 12.0 8.8 13.2

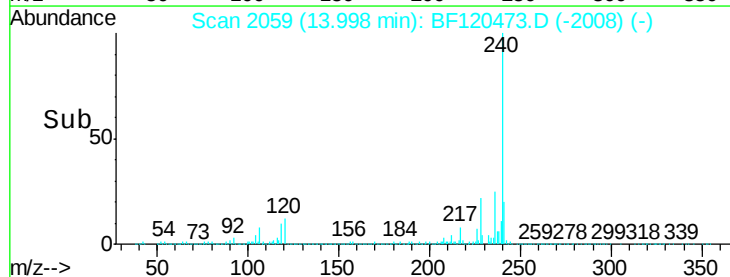
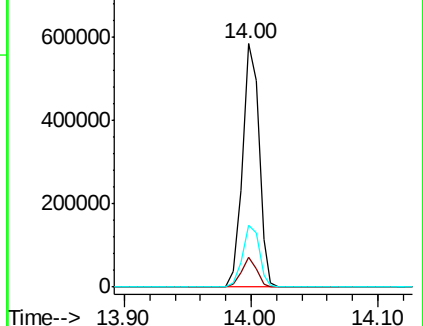
236 25.3 21.0 31.4

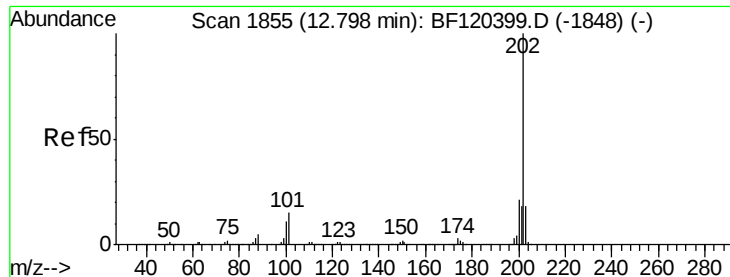


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#78

Pvrene

Concen: 18.647 ng

RT: 12.80 min Scan# 1856

Delta R.T. 0.01 min

Lab File: BF120473.D

Acq: 1 Jun 2020 16:12

Instrument :

BNA_F

ClientSampleId :

NM82-COMP-2020-0-6

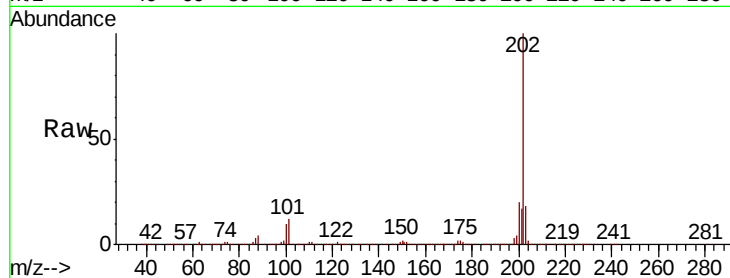
Tot Ion:202 Resp: 675948

Ion Ratio Lower Upper

202 100

200 20.5 17.0 25.4

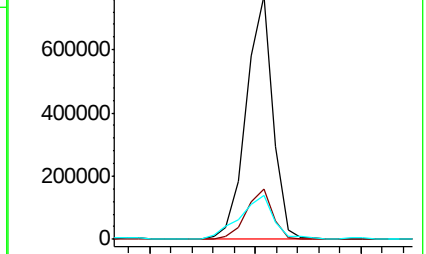
203 18.1 14.7 22.1



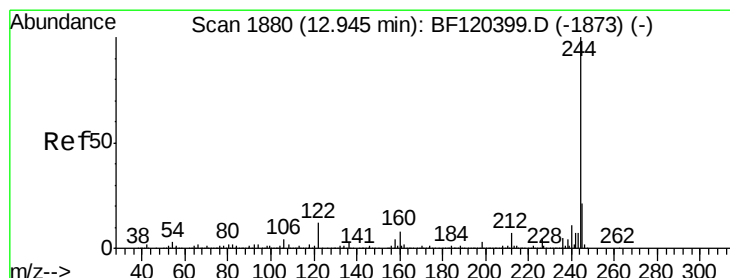
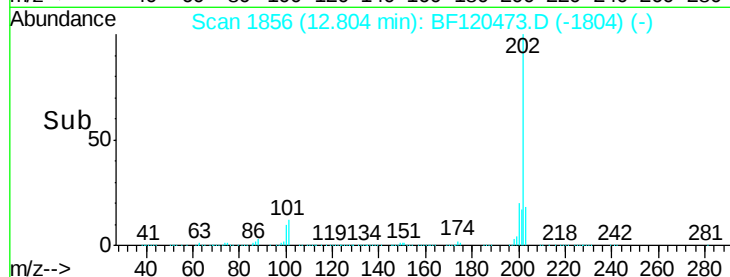
Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E



Time-->



#79

Terphenyl-d14

Concen: 57.864 ng

RT: 12.94 min Scan# 1880

Delta R.T. 0.00 min

Lab File: BF120473.D

Acq: 1 Jun 2020 16:12

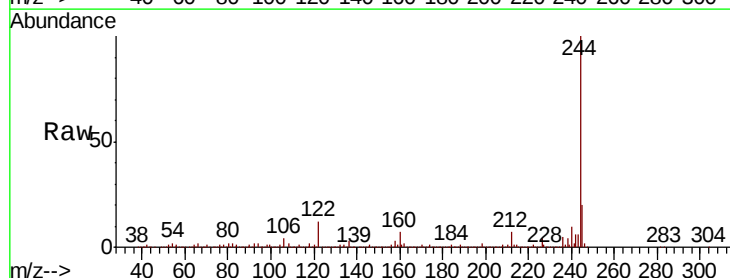
Tgt Ion:244 Resp: 1355390

Ion Ratio Lower Upper

244 100

212 6.9 5.9 8.9

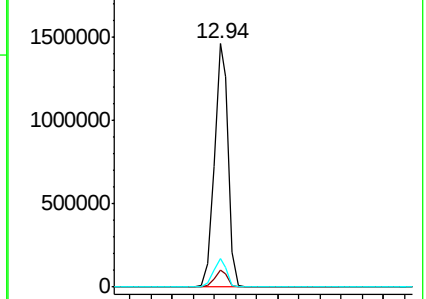
122 11.6 9.2 13.8



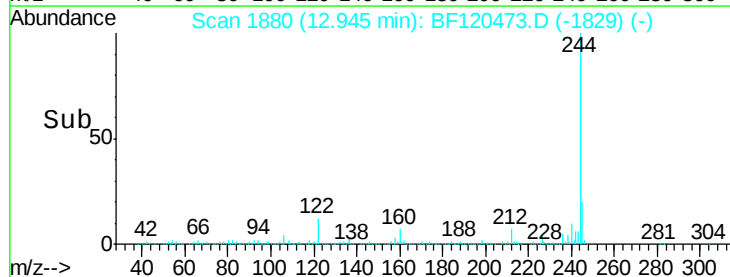
Abundance Ion 244.00 (243.70 to 244.70): E

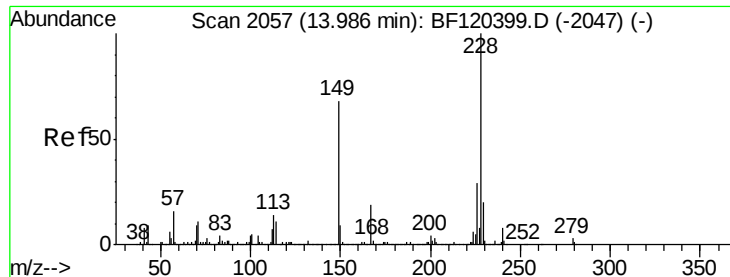
Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



Time-->

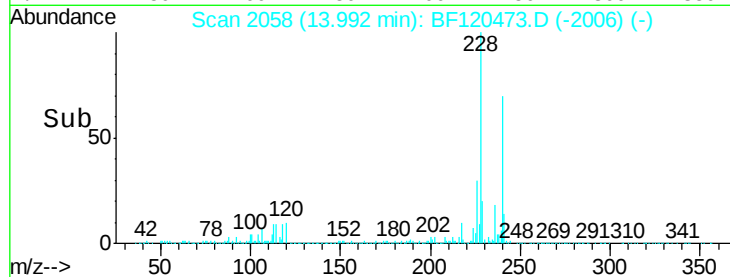
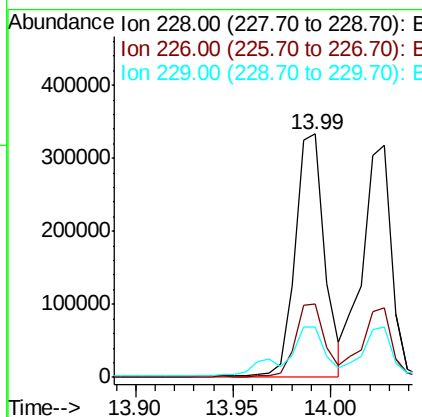
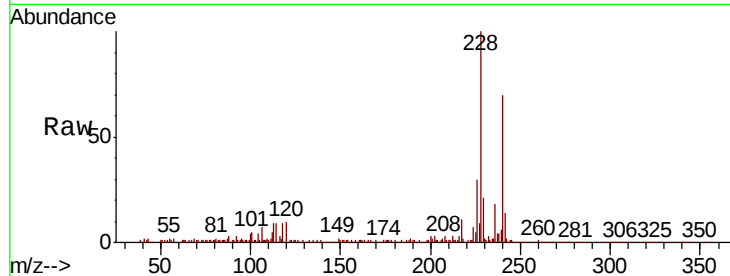




#81
Benzo(a)anthracene
Concen: 12.512 ng
RT: 13.99 min Scan# 2058
Delta R.T. 0.01 min
Lab File: BF120473.D
Acq: 1 Jun 2020 16:12

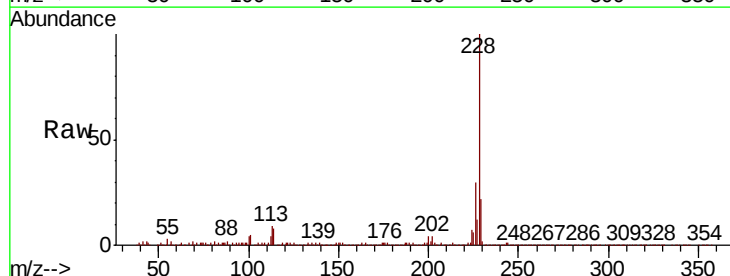
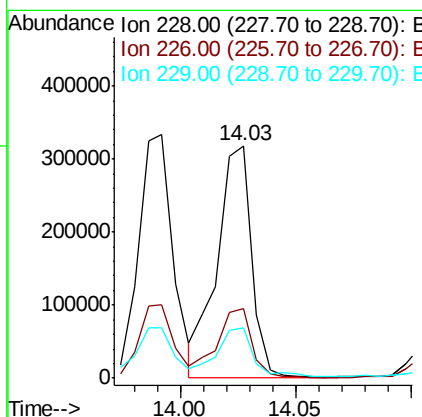
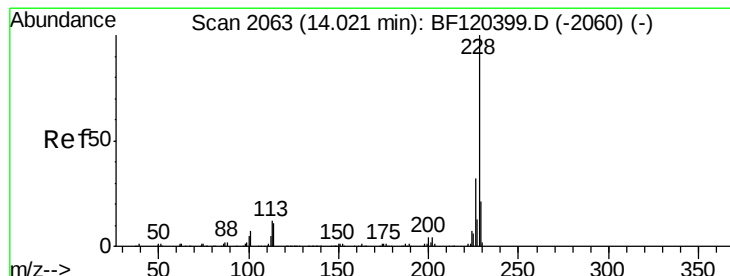
Instrument :
BNA_F
ClientSampleId :
NM82-COMP-2020-0-6

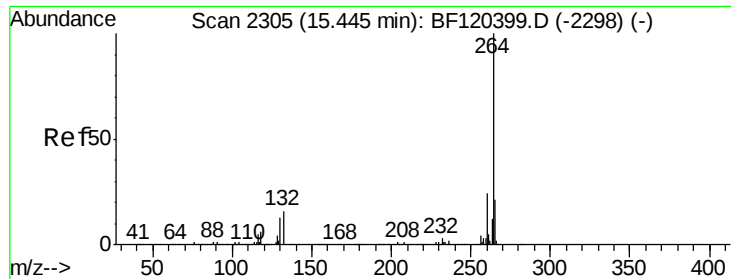
Tot Ion:228 Resp: 349532
Ion Ratio Lower Upper
228 100
226 30.2 23.0 34.4
229 20.6 16.2 24.4



#83
Chrysene
Concen: 11.241 ng
RT: 14.03 min Scan# 2064
Delta R.T. 0.00 min
Lab File: BF120473.D
Acq: 1 Jun 2020 16:12

Tgt Ion:228 Resp: 329203
Ion Ratio Lower Upper
228 100
226 30.1 25.6 38.4
229 21.9 16.6 25.0

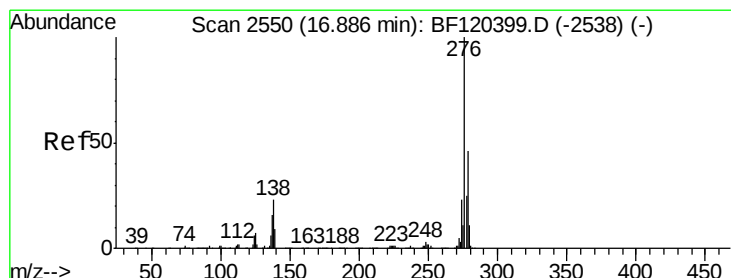
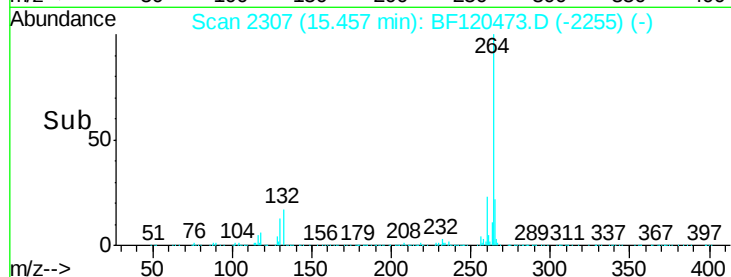
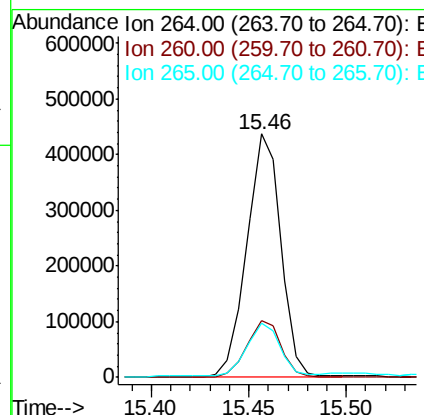
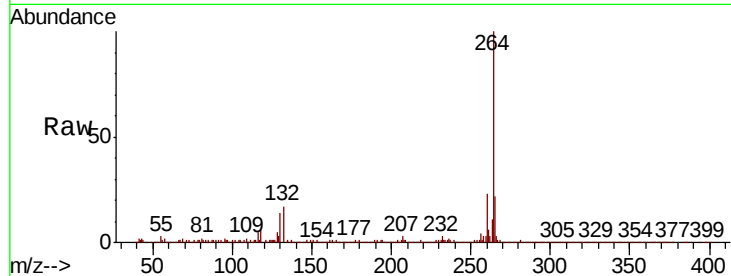




#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.46 min Scan# 2307
Delta R.T. 0.01 min
Lab File: BF120473.D
Acq: 1 Jun 2020 16:12

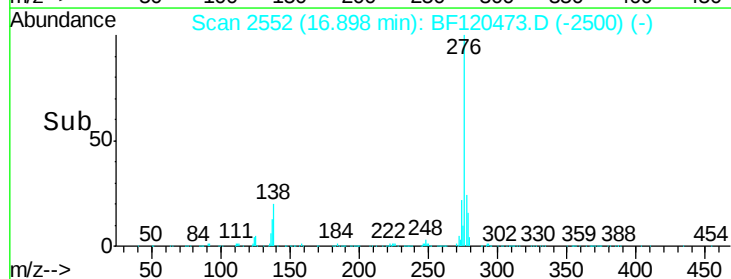
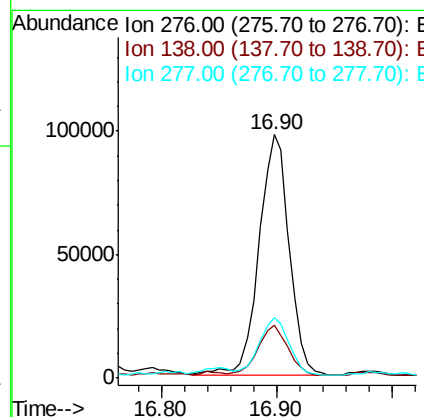
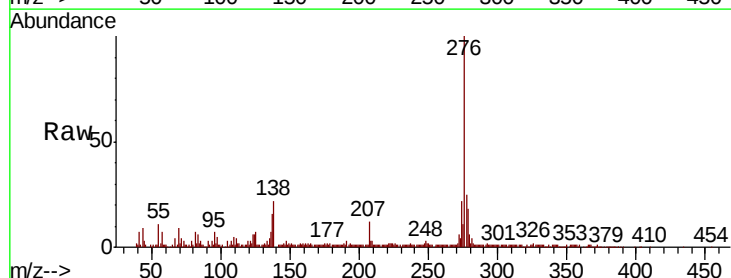
Instrument :
BNA_F
ClientSampleId :
NM82-COMP-2020-0-6

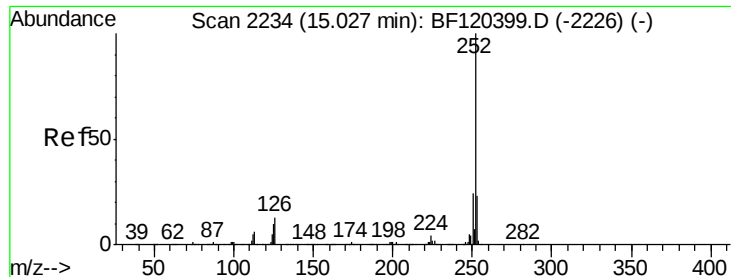
Tot Ion:264	Resp:	524575
Ion Ratio	Lower	Upper
264	100	
260	23.3	19.2 28.8
265	22.1	16.9 25.3



#87
Indeno(1,2,3-cd)pyrene
Concen: 6.165 ng
RT: 16.90 min Scan# 2552
Delta R.T. 0.01 min
Lab File: BF120473.D
Acq: 1 Jun 2020 16:12

Tgt Ion:276	Resp:	176872
Ion Ratio	Lower	Upper
276	100	
138	20.8	20.4 30.6
277	24.0	20.4 30.6

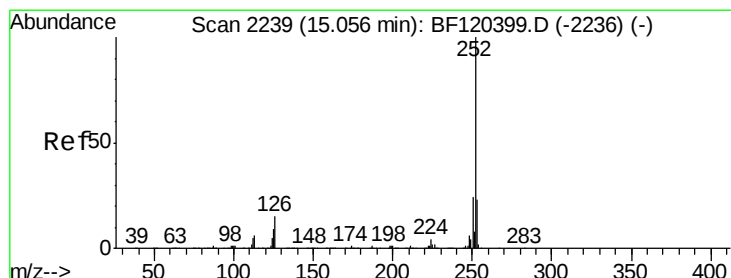
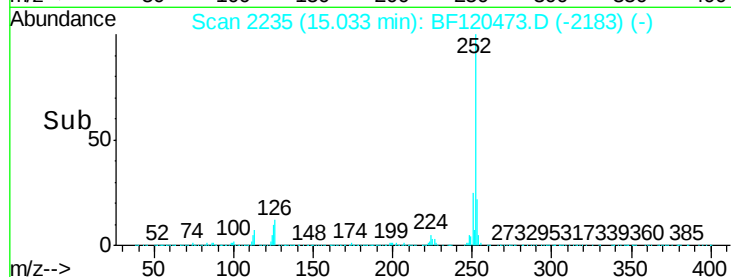
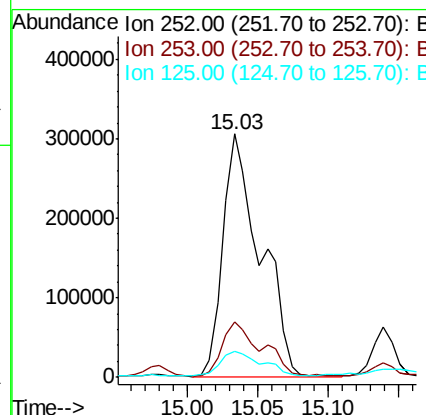
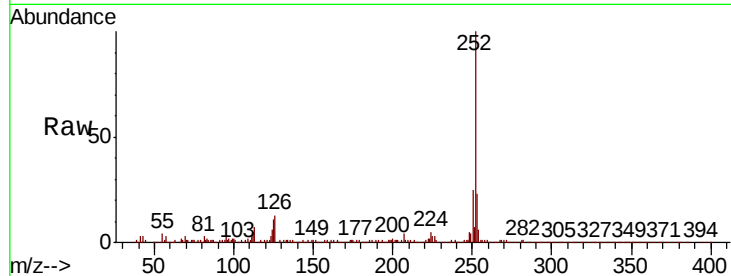




#88
Benzo(b)fluoranthene
Concen: 19.410 ng
RT: 15.03 min Scan# 2235
Delta R.T. 0.01 min
Lab File: BF120473.D
Acq: 1 Jun 2020 16:12

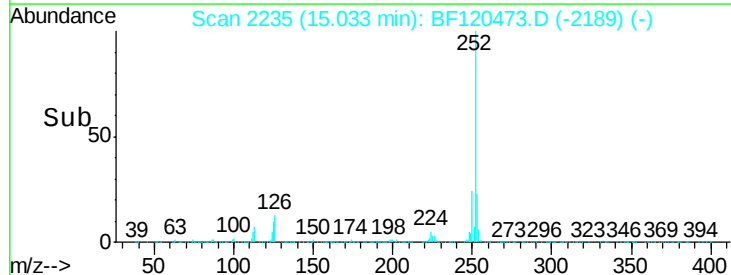
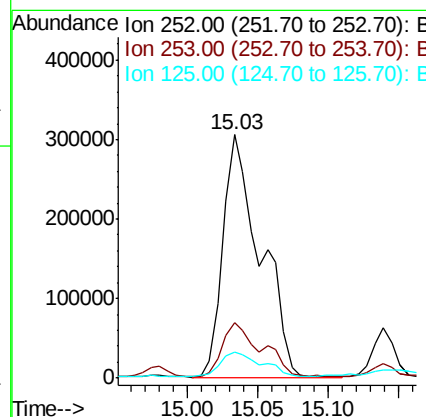
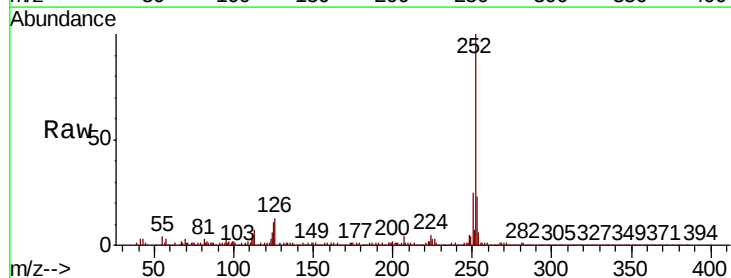
Instrument :
BNA_F
ClientSampleId :
NM82-COMP-2020-0-6

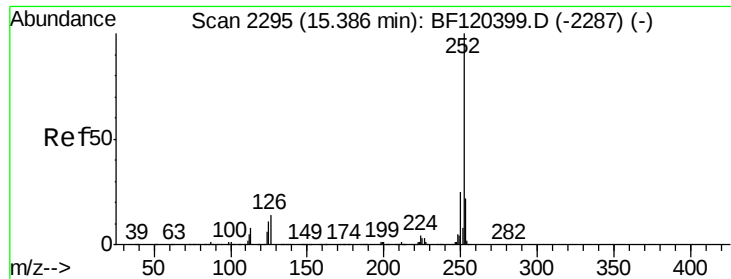
Tot Ion:252 Resp: 565529
Ion Ratio Lower Upper
252 100
253 22.9 18.1 27.1
125 10.9 7.8 11.8



#89
Benzo(k)fluoranthene
Concen: 20.791 ng
RT: 15.03 min Scan# 2235
Delta R.T. -0.03 min
Lab File: BF120473.D
Acq: 1 Jun 2020 16:12

Tgt Ion:252 Resp: 565529
Ion Ratio Lower Upper
252 100
253 22.9 18.5 27.7
125 10.9 8.0 12.0





#90

Benzo(a)pyrene

Concen: 11.939 ng

RT: 15.39 min Scan# 2296

Delta R.T. 0.00 min

Lab File: BF120473.D

Acq: 1 Jun 2020 16:12

Instrument :

BNA_F

ClientSampleId :

NM82-COMP-2020-0-6

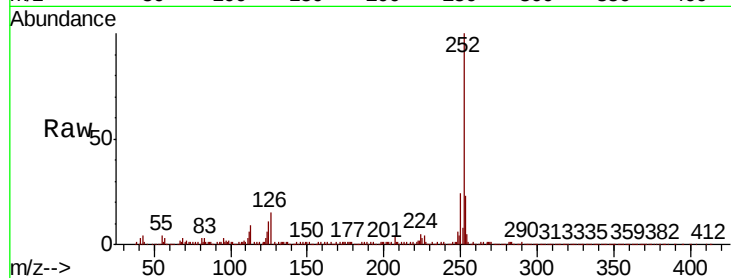
Tot Ion:252 Resp: 304262

Ion Ratio Lower Upper

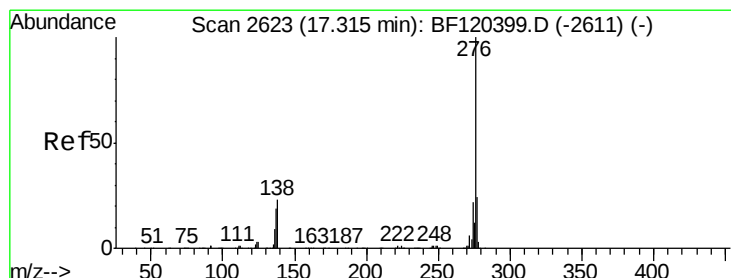
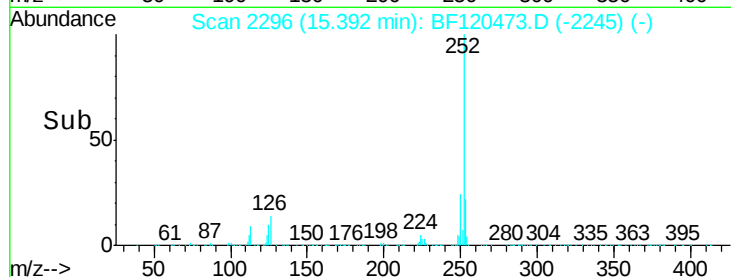
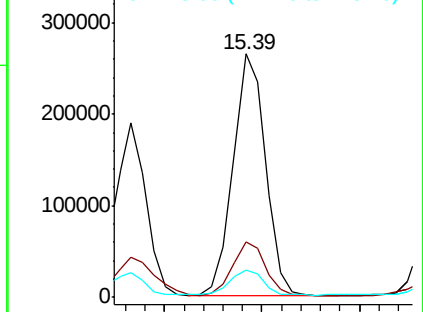
252 100

253 22.9 17.4 26.0

125 11.1 8.7 13.1



Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E



#92

Benzo(g,h,i)perylene

Concen: 7.122 ng

RT: 17.34 min Scan# 2627

Delta R.T. 0.01 min

Lab File: BF120473.D

Acq: 1 Jun 2020 16:12

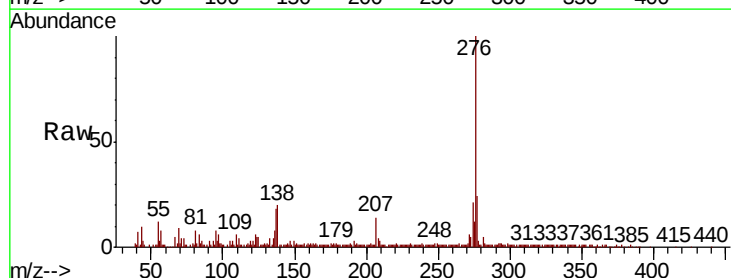
Tgt Ion:276 Resp: 164315

Ion Ratio Lower Upper

276 100

277 23.9 19.5 29.3

138 20.4 18.1 27.1



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

