

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF052820\
 Data File : BF120424.D
 Acq On : 28 May 2020 22:52
 Operator : MA/SJ
 Sample : L2745-10
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 NM76-COMP-2020-0-6

Quant Time: May 29 03:31:05 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	231168	20.00	ng	0.00
21) Naphthalene-d8	8.12	136	812530	20.00	ng	0.00
39) Acenaphthene-d10	9.87	164	380686	20.00	ng	0.00
64) Phenanthrene-d10	11.36	188	654076	20.00	ng	0.00
76) Chrysene-d12	14.00	240	543411	20.00	ng	0.00
86) Perylene-d12	15.45	264	503872	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.46	112	1342142	110.65	ng	0.00
7) Phenol-d6	6.47	99	1670617	111.74	ng	0.00
23) Nitrobenzene-d5	7.40	82	1062307	85.52	ng	0.00
42) 2,4,6-Tribromophenol	10.66	330	418722	118.71	ng	0.00
45) 2-Fluorobiphenyl	9.20	172	1916584	85.42	ng	0.00
79) Terphenyl-d14	12.95	244	1900315	77.82	ng	0.00

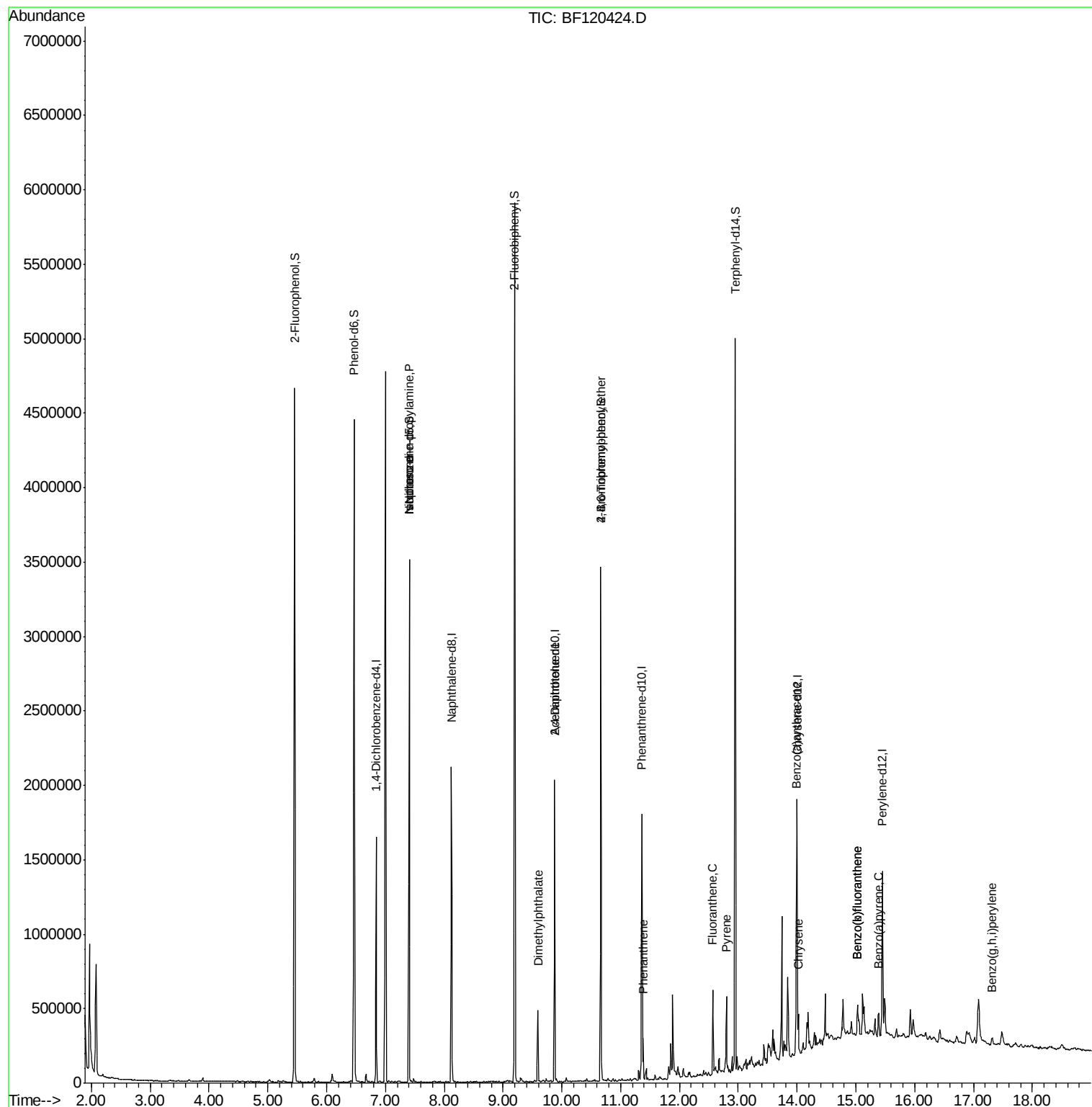
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	7.40	70	143649	15.115	ng	# 78
25) Isophorone	7.40	82	1059858	42.453	ng	# 64
50) Dimethylphthalate	9.59	163	193783	8.142	ng	98
57) 2,4-Dinitrotoluene	9.87	165	49191	7.267	ng	# 22
67) 4-Bromophenyl-phenylether	10.66	248	25576	3.874	ng	# 1
71) Phenanthrene	11.38	178	93830	3.256	ng	97
75) Fluoranthene	12.57	202	207240	6.683	ng	97
78) Pyrene	12.80	202	190775	5.048	ng	97
81) Benzo(a)anthracene	13.99	228	108756	3.734	ng	98
83) Chrysene	14.02	228	90289	2.957	ng	97
88) Benzo(b)fluoranthene	15.03	252	155809	5.567	ng	96
89) Benzo(k)fluoranthene	15.03	252	155809	5.964	ng	97
90) Benzo(a)pyrene	15.39	252	77700	3.174	ng	97
92) Benzo(a,h,i)perylene	17.32	276	44763	2.020	ng	98

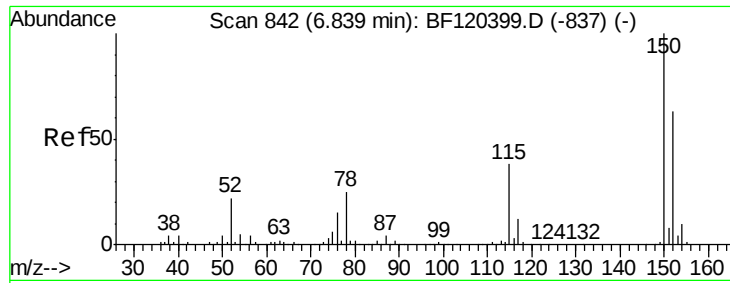
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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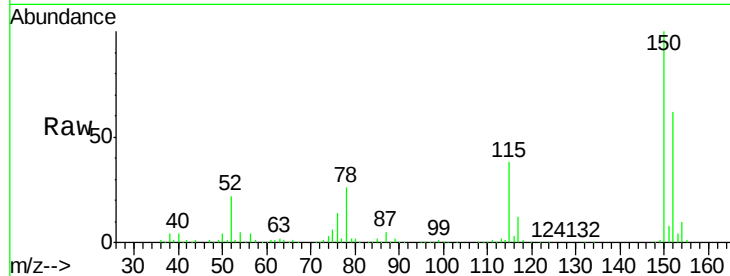


#1

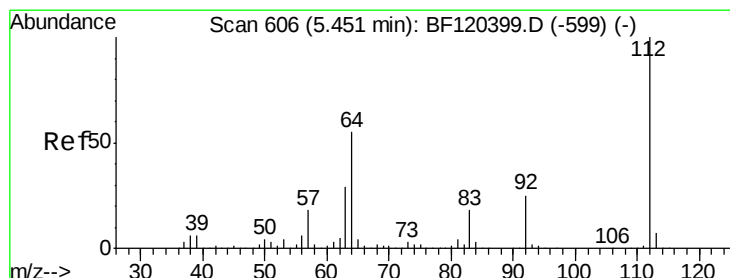
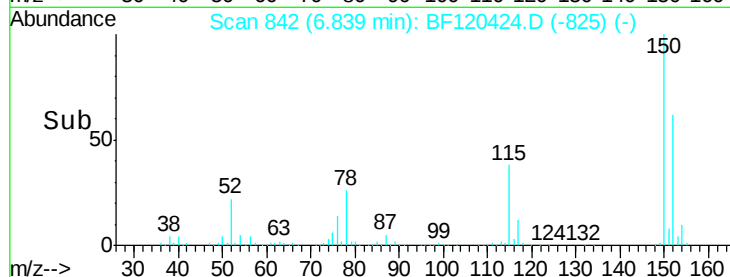
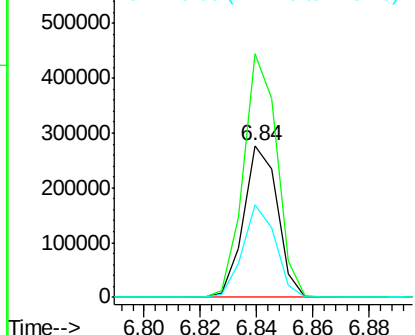
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.84 min Scan# 842
Delta R.T. 0.00 min
Lab File: BF120424.D
Acq: 28 May 2020 22:52

Instrument :
BNA_F
ClientSampleId :
NM76-COMP-2020-0-6

Tot Ion:152 Resp: 231168
Ion Ratio Lower Upper
152 100
150 160.6 126.5 189.7
115 61.1 47.6 71.4



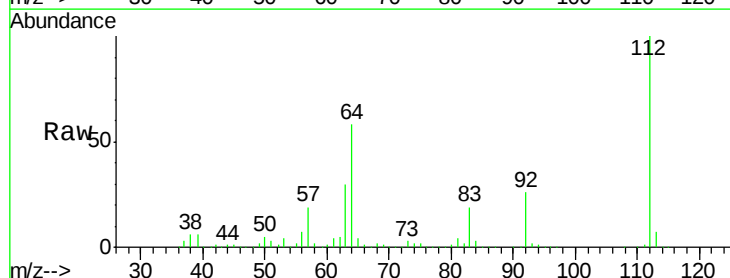
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



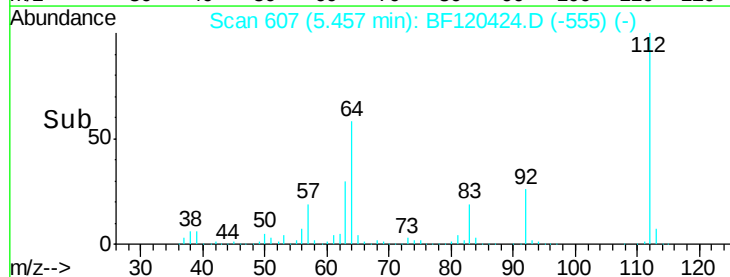
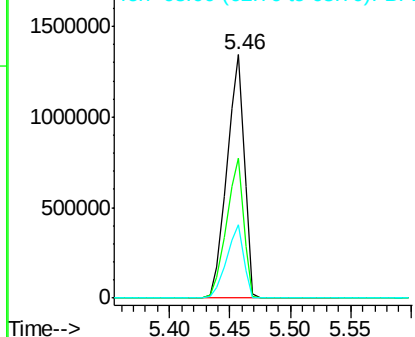
#5

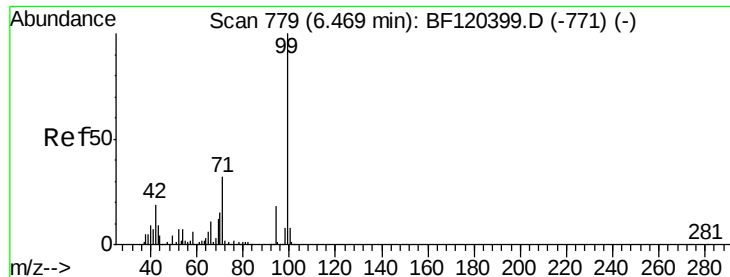
2-Fluorophenol
Concen: 110.646 ng
RT: 5.46 min Scan# 607
Delta R.T. 0.01 min
Lab File: BF120424.D
Acq: 28 May 2020 22:52

Tgt Ion:112 Resp: 1342142
Ion Ratio Lower Upper
112 100
64 57.5 44.3 66.5
63 30.3 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: 111.738 ng

RT: 6.47 min Scan# 779

Delta R.T. 0.00 min

Lab File: BF120424.D

Acq: 28 May 2020 22:52

Instrument :

BNA_F

ClientSampleId :

NM76-COMP-2020-0-6

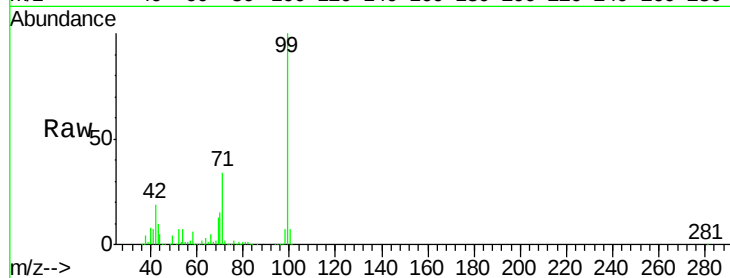
Tot Ion: 99 Resp: 1670617

Ion Ratio Lower Upper

99 100

42 19.4 15.2 22.8

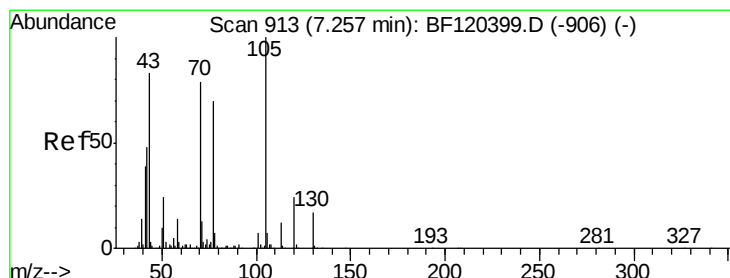
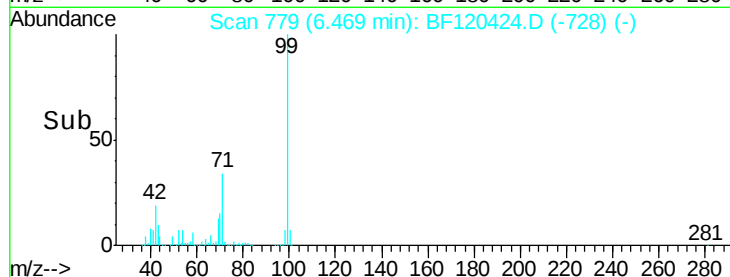
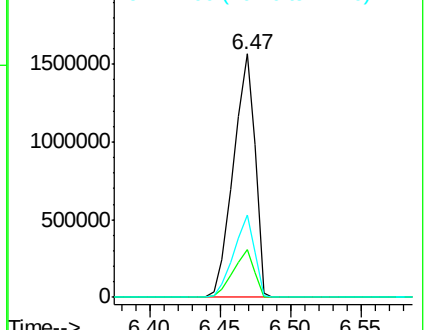
71 33.6 25.6 38.4



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: 15.115 ng

RT: 7.40 min Scan# 938

Delta R.T. 0.15 min

Lab File: BF120424.D

Acq: 28 May 2020 22:52

Tgt Ion: 70 Resp: 143649

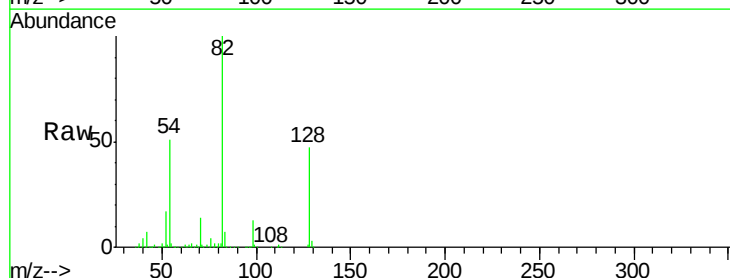
Ion Ratio Lower Upper

70 100

42 49.8 48.9 73.3

101 0.0 7.4 11.2#

130 2.2 16.8 25.2#

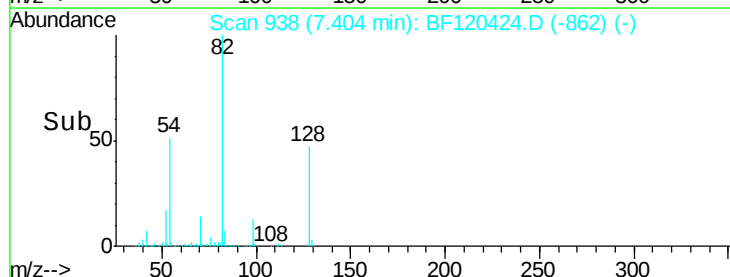
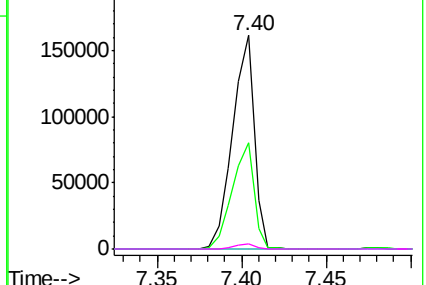


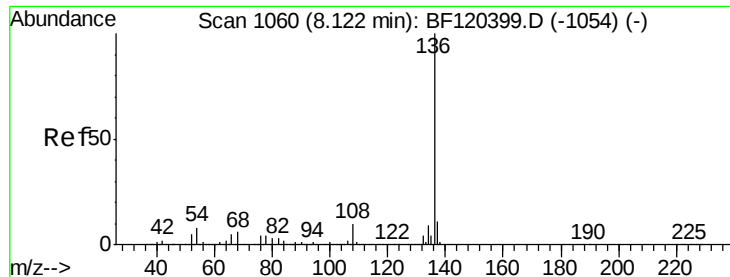
Abundance Ion 70.00 (69.70 to 70.70): BF1

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: BF120424.D

Acq: 28 May 2020 22:52

Instrument :

BNA_F

ClientSampleId :

NM76-COMP-2020-0-6

Tot Ion:136 Resp: 812530

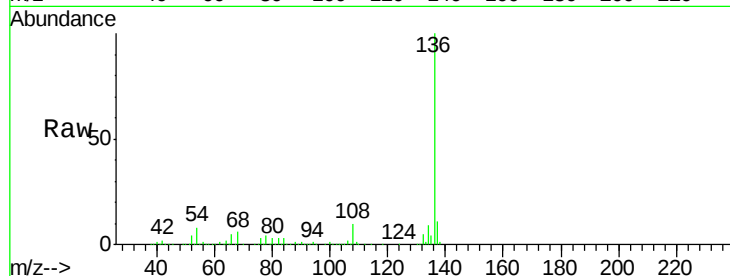
Ion Ratio Lower Upper

136 100

137 11.4 9.1 13.7

54 8.2 6.7 10.1

68 6.1 5.0 7.4

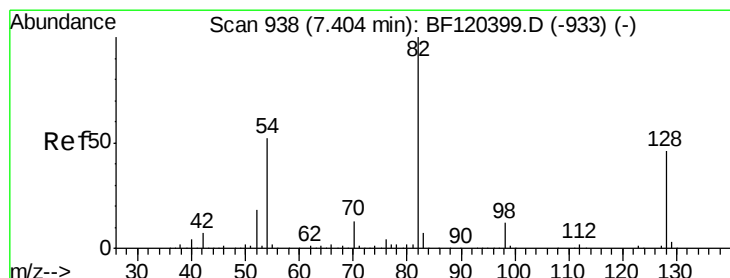
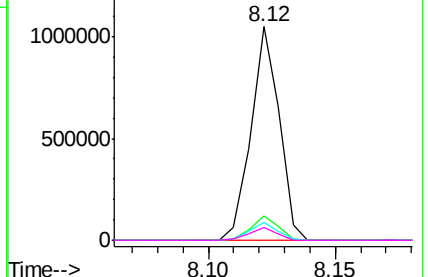
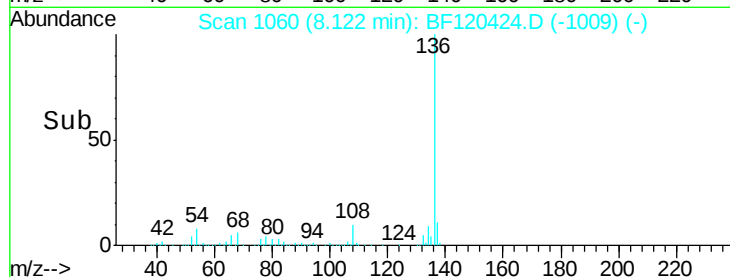


Abundance Ion 136.00 (135.70 to 136.70): E

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: 85.522 ng

RT: 7.40 min Scan# 938

Delta R.T. 0.00 min

Lab File: BF120424.D

Acq: 28 May 2020 22:52

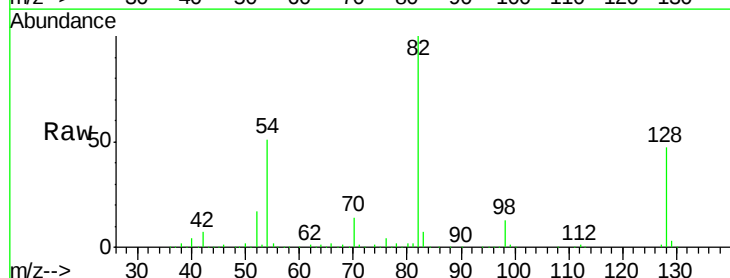
Tgt Ion: 82 Resp: 1062307

Ion Ratio Lower Upper

82 100

128 47.1 36.8 55.2

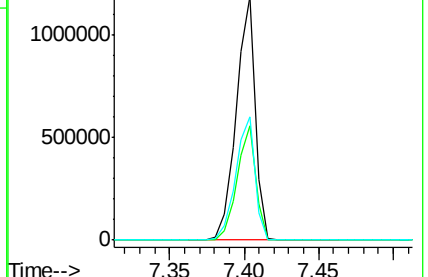
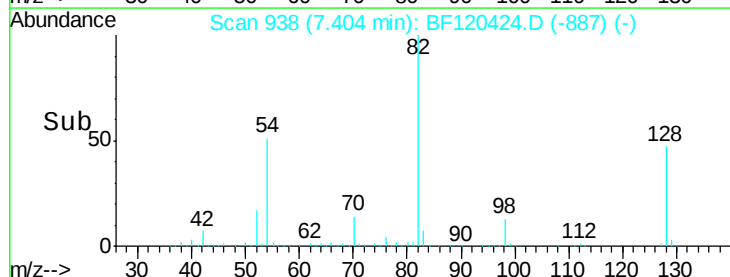
54 50.8 41.6 62.4

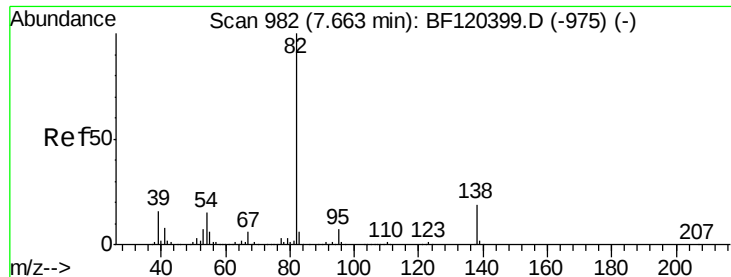


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 42.453 ng

RT: 7.40 min Scan# 938

Delta R.T. -0.26 min

Lab File: BF120424.D

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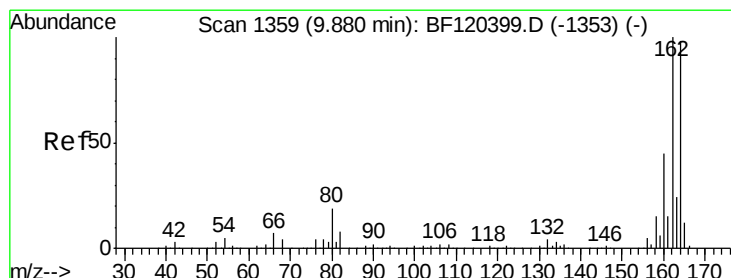
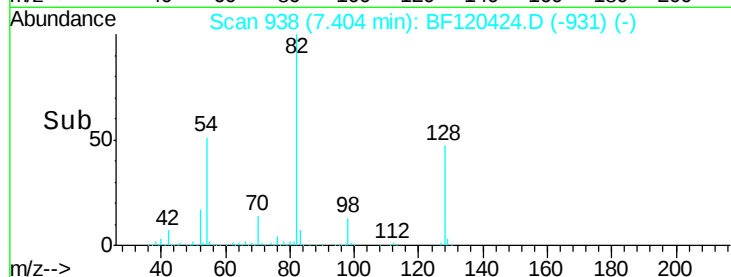
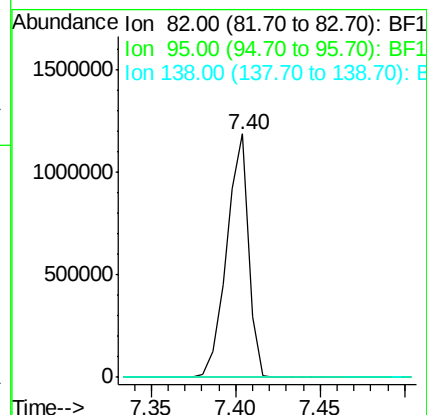
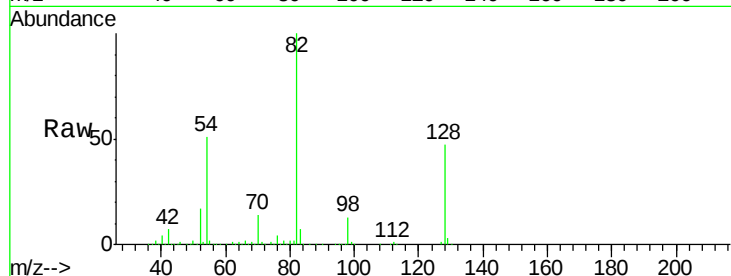
Tot Ion: 82 Resp: 1059858

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. -0.01 min

Lab File: BF120424.D

Acq: 28 May 2020 22:52

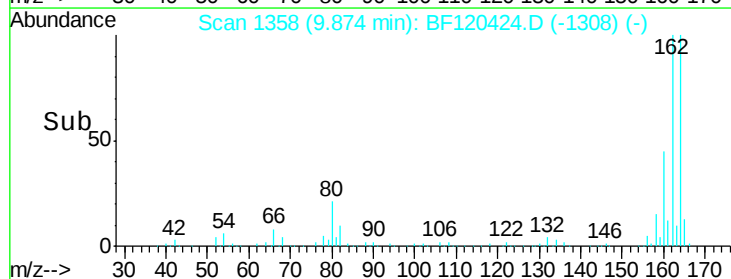
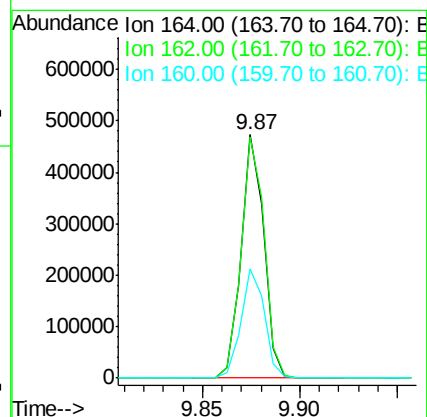
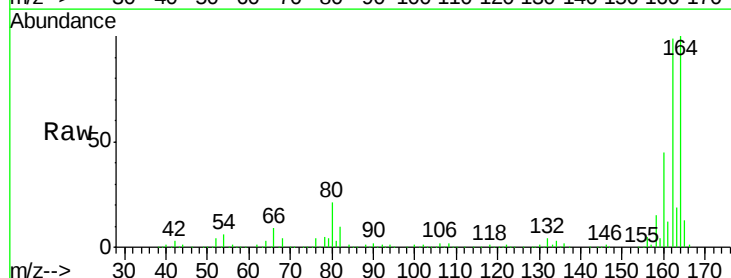
Tgt Ion:164 Resp: 380686

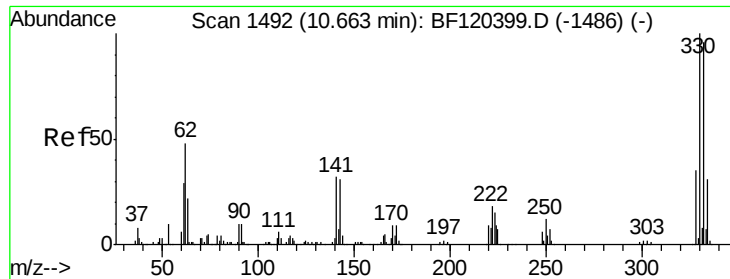
Ion Ratio Lower Upper

164 100

162 99.3 81.3 121.9

160 44.9 36.9 55.3

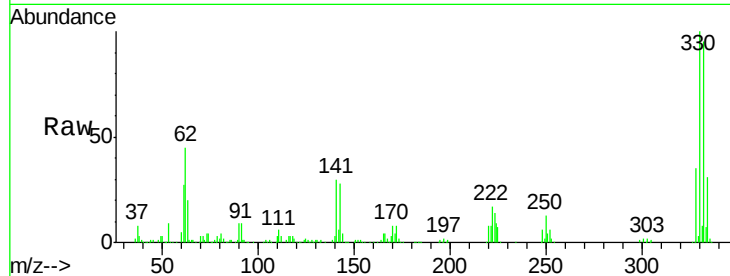




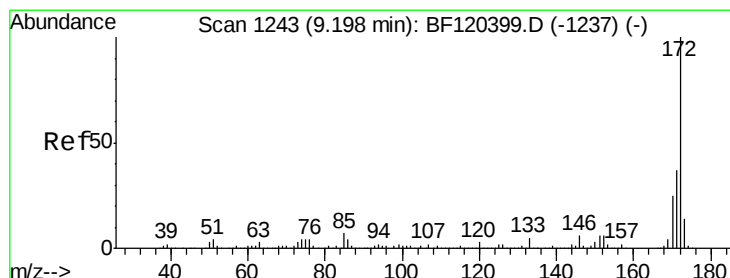
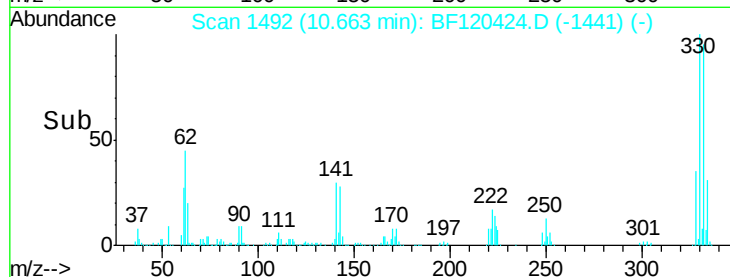
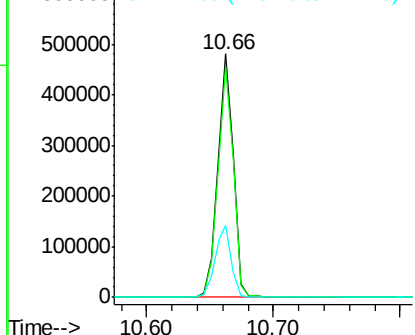
#42
 2,4,6-Tribromophenol
 Concen: 118.711 ng
 RT: 10.66 min Scan# 1492
 Delta R.T. 0.00 min
 Lab File: BF120424.D
 Acq: 28 May 2020 22:52

Instrument :
 BNA_F
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 NM76-COMP-2020-0-6

Tot Ion:330 Resp: 418722
 Ion Ratio Lower Upper
 330 100
 332 95.0 77.0 115.6
 141 30.6 25.3 37.9

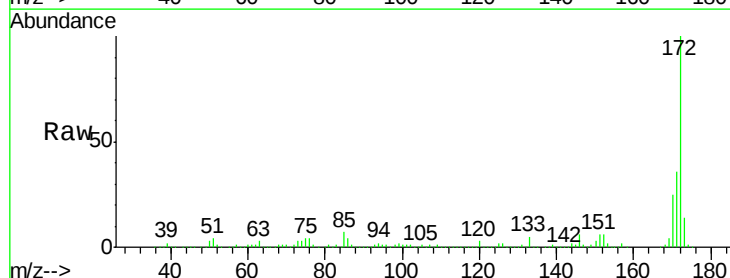


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

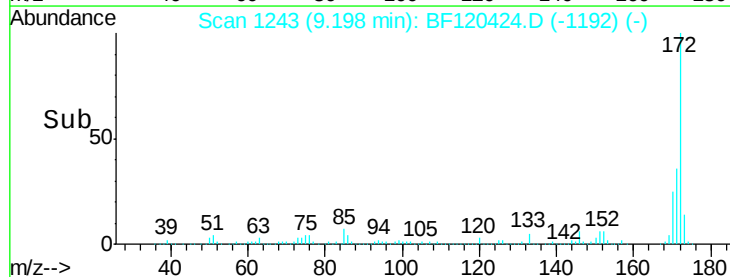
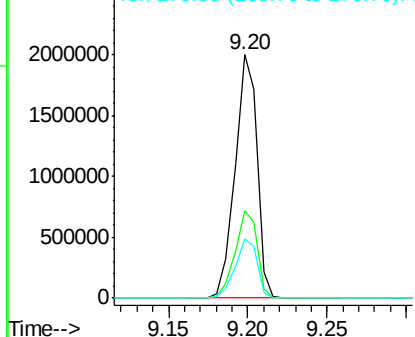


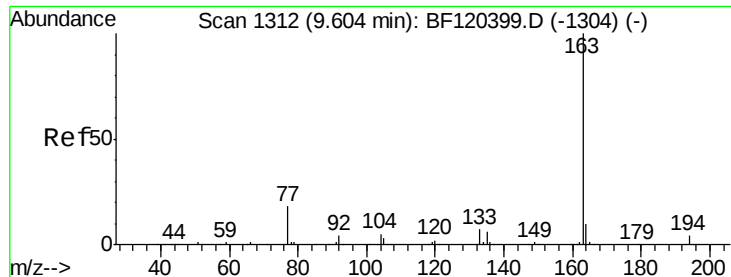
#45
 2-Fluorobiphenyl
 Concen: 85.421 ng
 RT: 9.20 min Scan# 1243
 Delta R.T. 0.00 min
 Lab File: BF120424.D
 Acq: 28 May 2020 22:52

Tgt Ion:172 Resp: 1916584
 Ion Ratio Lower Upper
 172 100
 171 35.9 29.7 44.5
 170 24.5 19.9 29.9



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

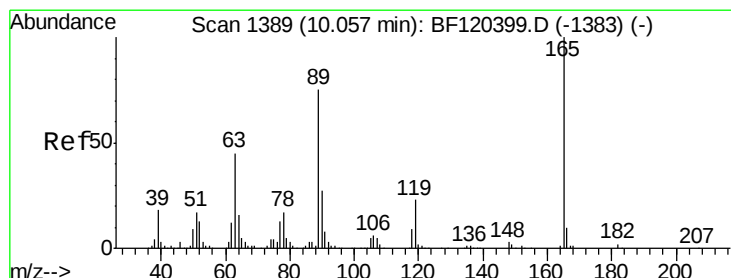
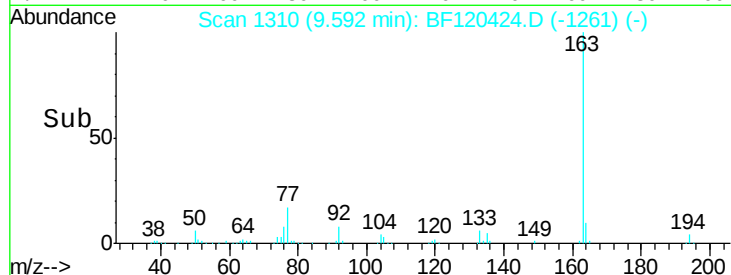
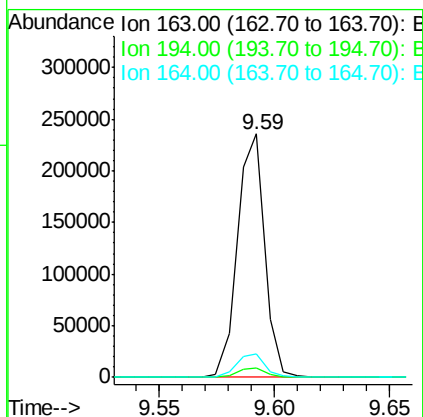
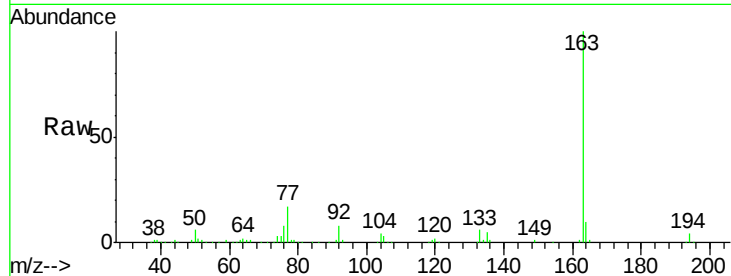




#50
Dimethylphthalate
Concen: 8.142 ng
RT: 9.59 min Scan# 1310
Delta R.T. -0.01 min
Lab File: BF120424.D
Acq: 28 May 2020 22:52

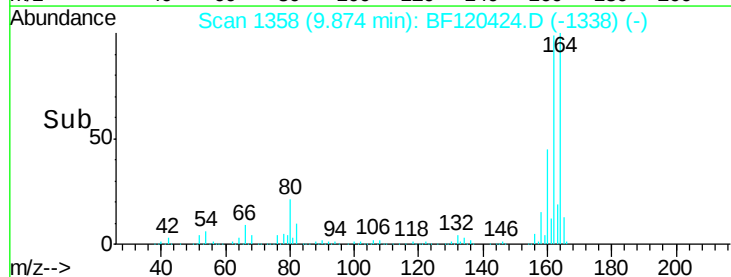
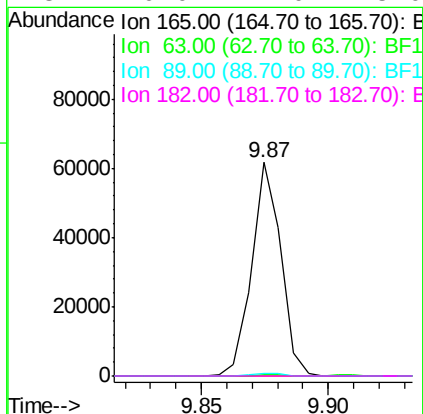
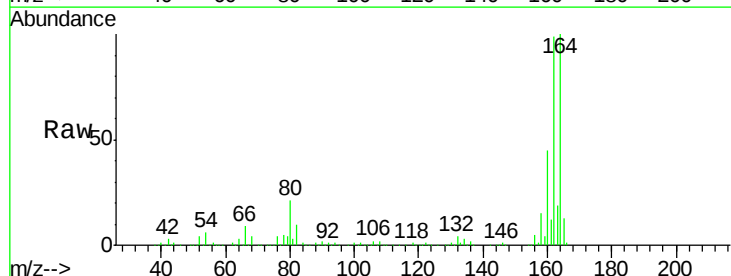
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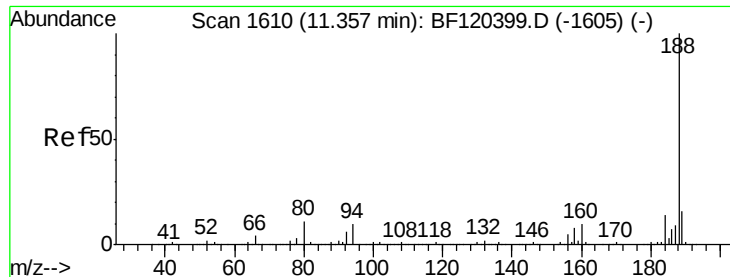
Tot Ion:163 Resp: 193783
Ion Ratio Lower Upper
163 100
194 3.9 3.3 4.9
164 9.6 8.3 12.5



#57
2,4-Dinitrotoluene
Concen: 7.267 ng
RT: 9.87 min Scan# 1358
Delta R.T. -0.18 min
Lab File: BF120424.D
Acq: 28 May 2020 22:52

Tgt Ion:165 Resp: 49191
Ion Ratio Lower Upper
165 100
63 0.9 35.9 53.9#
89 1.3 60.0 90.0#
182 0.0 2.0 3.0#

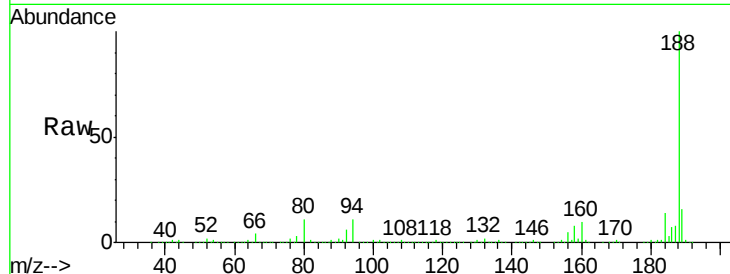




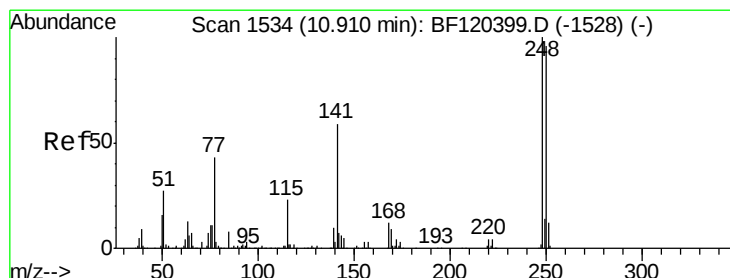
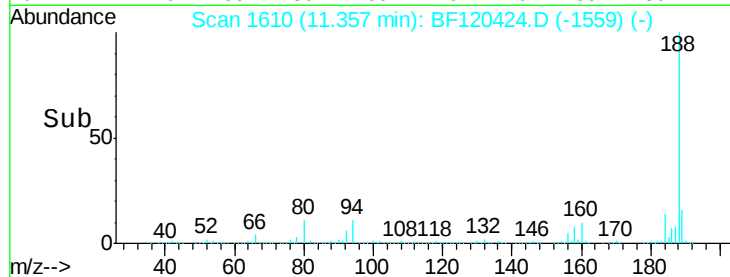
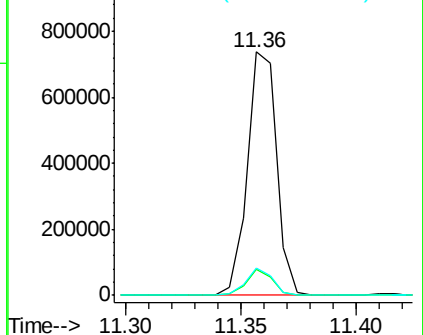
#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.36 min Scan# 1610
 Delta R.T. 0.00 min
 Lab File: BF120424.D
 Acq: 28 May 2020 22:52

Instrument :
 BNA_F
 ClientSampleId :
 NM76-COMP-2020-0-6

Tot Ion:188 Resp: 654076
 Ion Ratio Lower Upper
 188 100
 94 10.5 7.9 11.9
 80 11.0 8.6 13.0

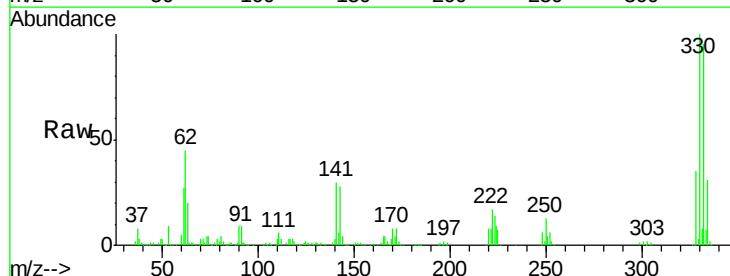


Abundance Ion 188.00 (187.70 to 188.70): E
 Ion 94.00 (93.70 to 94.70): BF1
 Ion 80.00 (79.70 to 80.70): BF1

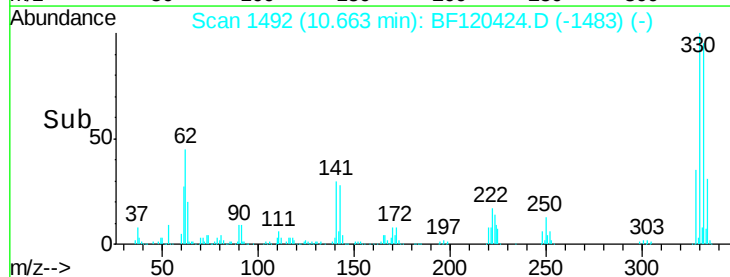
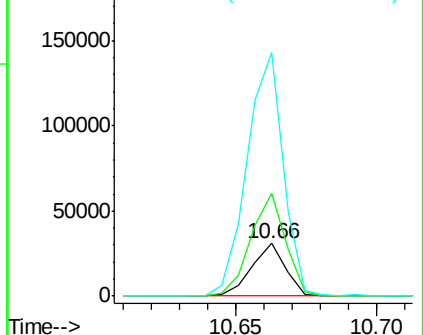


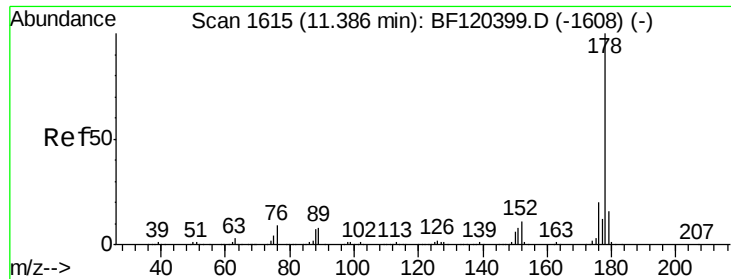
#67
 4-Bromophenyl-phenylether
 Concen: 3.874 ng
 RT: 10.66 min Scan# 1492
 Delta R.T. -0.25 min
 Lab File: BF120424.D
 Acq: 28 May 2020 22:52

Tgt Ion:248 Resp: 25576
 Ion Ratio Lower Upper
 248 100
 250 195.6 76.5 114.7#
 141 461.3 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

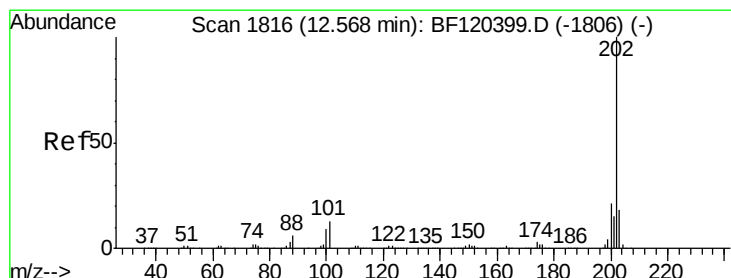
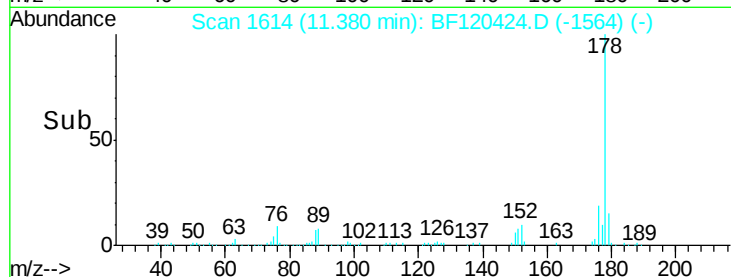
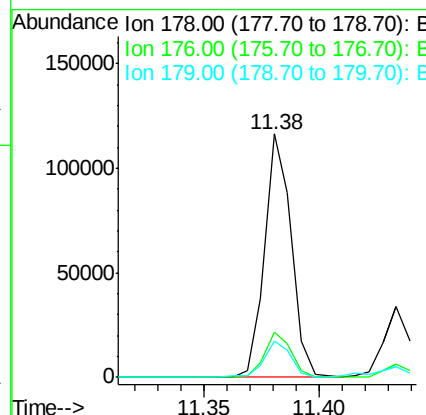
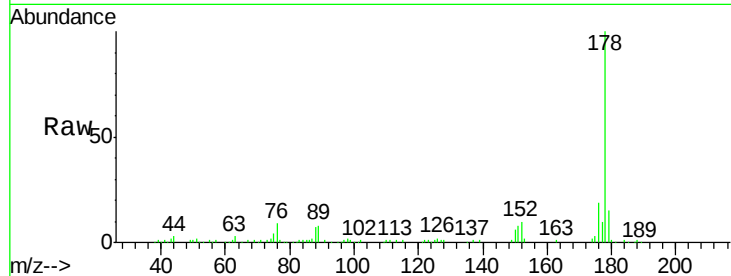




#71
Phenanthrene
Concen: 3.256 ng
RT: 11.38 min Scan# 1614
Delta R.T. -0.01 min
Lab File: BF120424.D
Acq: 28 May 2020 22:52

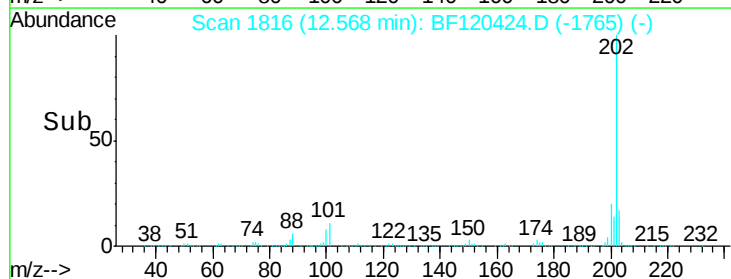
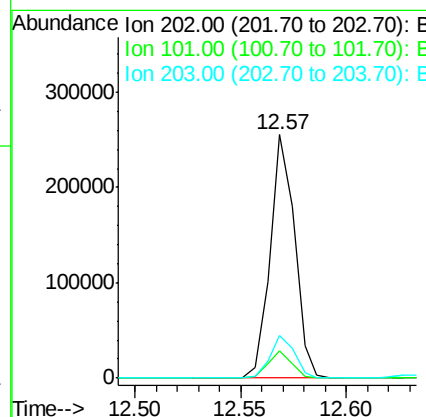
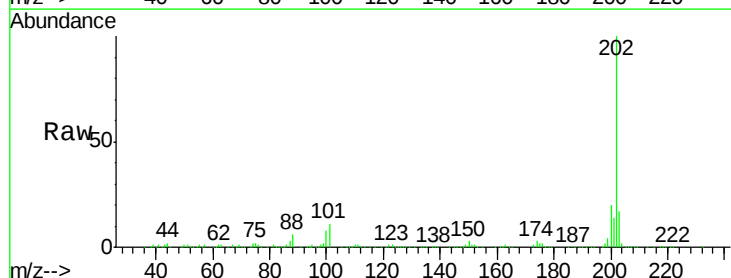
Instrument :
BNA_F
ClientSampleId :
NM76-COMP-2020-0-6

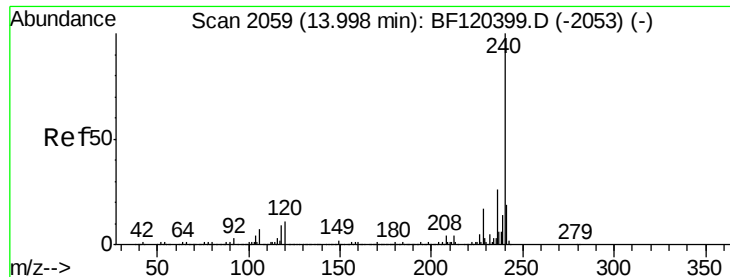
Tot Ion:178 Resp: 93830
Ion Ratio Lower Upper
178 100
176 18.8 16.4 24.6
179 15.1 13.0 19.4



#75
Fluoranthene
Concen: 6.683 ng
RT: 12.57 min Scan# 1816
Delta R.T. 0.00 min
Lab File: BF120424.D
Acq: 28 May 2020 22:52

Tgt Ion:202 Resp: 207240
Ion Ratio Lower Upper
202 100
101 11.4 0.0 32.6
203 17.3 0.0 38.4





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.00 min Scan# 2059

Delta R.T. 0.00 min

Lab File: BF120424.D

Acq: 28 May 2020 22:52

Instrument :

BNA_F

ClientSampleId :

NM76-COMP-2020-0-6

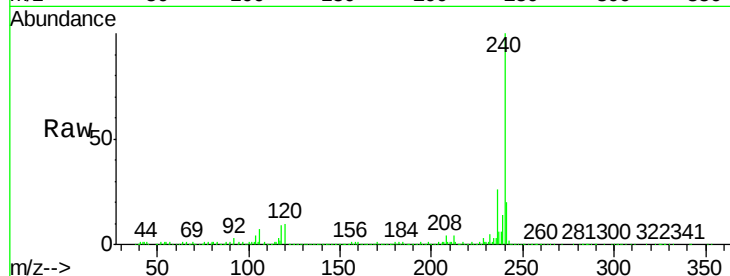
Tot Ion:240 Resp: 543411

Ion Ratio Lower Upper

240 100

120 10.2 8.8 13.2

236 26.5 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

800000

600000

400000

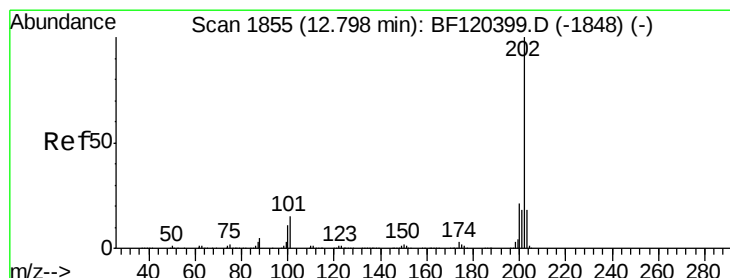
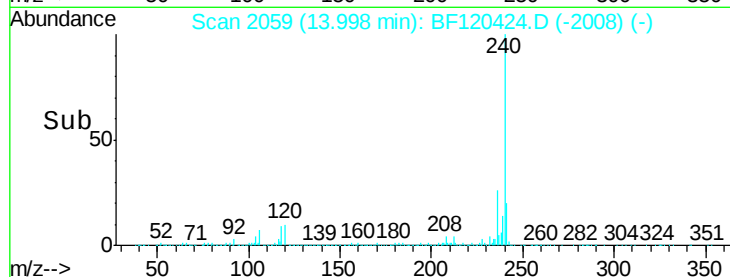
200000

0

13.90

14.00

14.10



#78

Pyrene

Concen: 5.048 ng

RT: 12.80 min Scan# 1855

Delta R.T. 0.00 min

Lab File: BF120424.D

Acq: 28 May 2020 22:52

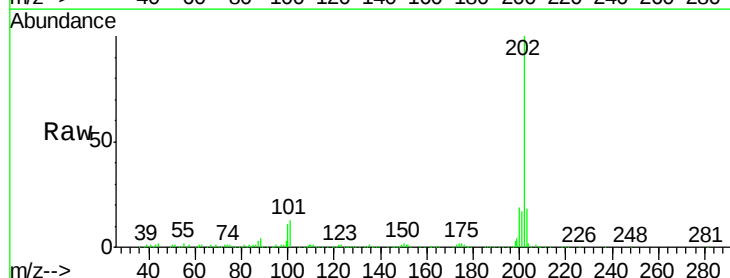
Tgt Ion:202 Resp: 190775

Ion Ratio Lower Upper

202 100

200 19.2 17.0 25.4

203 18.0 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

300000

250000

200000

150000

100000

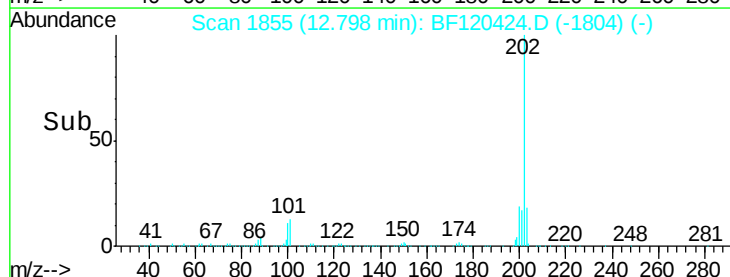
50000

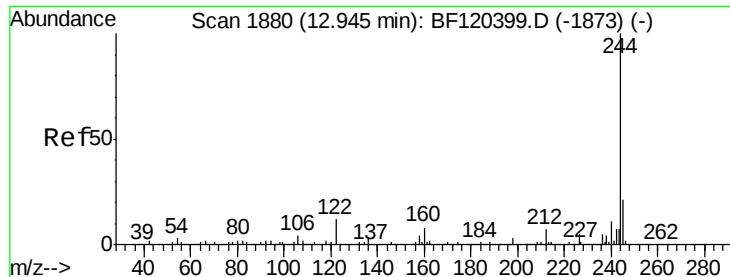
0

12.75

12.80

12.85





#79

Terphenyl-d14

Concen: 77.817 ng

RT: 12.95 min Scan# 1881

Delta R.T. 0.01 min

Lab File: BF120424.D

Acq: 28 May 2020 22:52

Instrument :

BNA_F

ClientSampleId :

NM76-COMP-2020-0-6

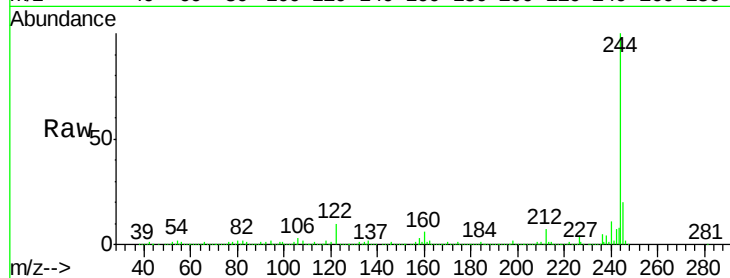
Tot Ion:244 Resp: 1900315

Ion Ratio Lower Upper

244 100

212 6.9 5.9 8.9

122 10.1 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

12.95

2000000

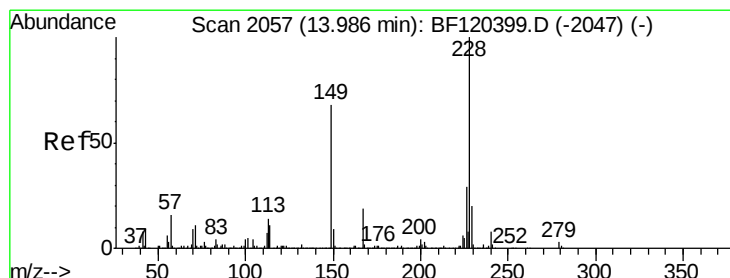
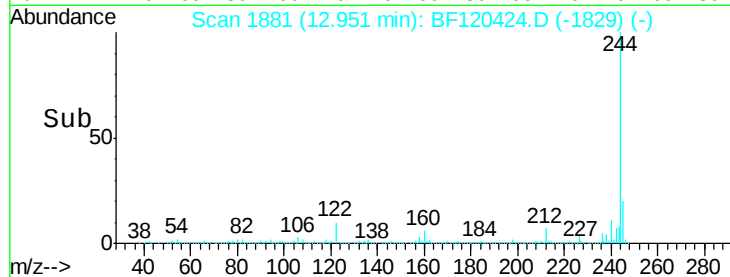
1500000

1000000

500000

0

Time-->



#81

Benzo(a)anthracene

Concen: 3.734 ng

RT: 13.99 min Scan# 2057

Delta R.T. 0.00 min

Lab File: BF120424.D

Acq: 28 May 2020 22:52

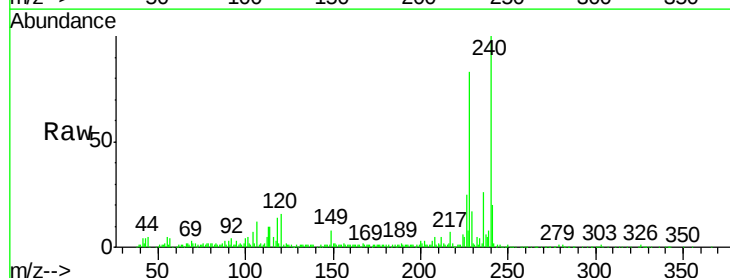
Tgt Ion:228 Resp: 108756

Ion Ratio Lower Upper

228 100

226 30.7 23.0 34.4

229 20.2 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

13.99

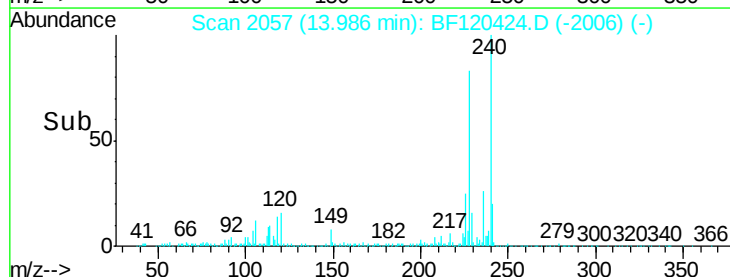
150000

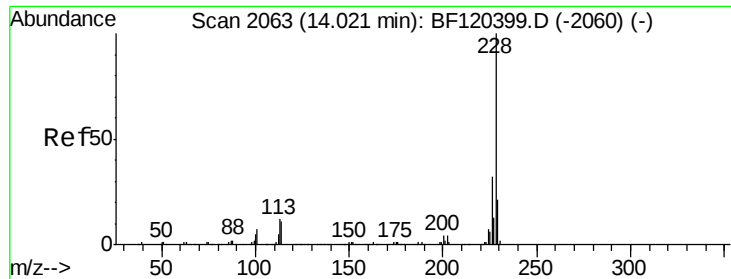
100000

50000

0

Time-->

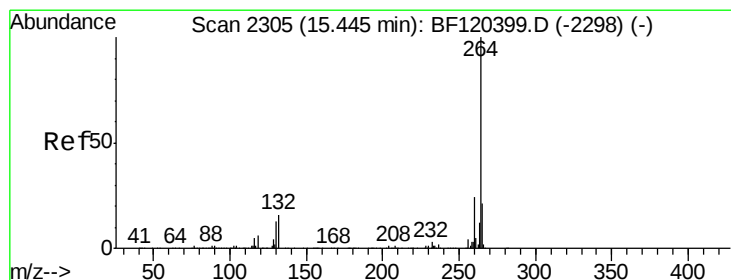
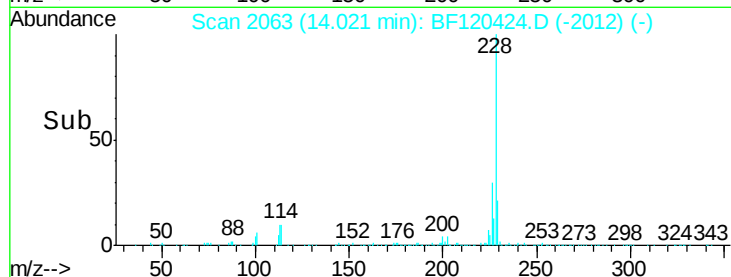
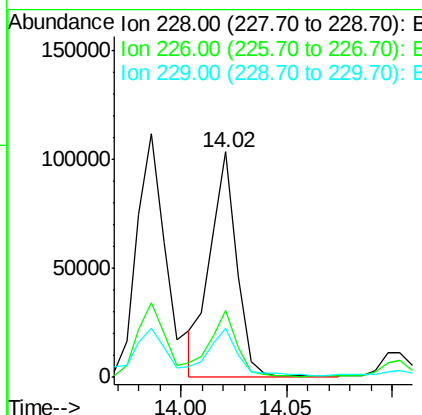
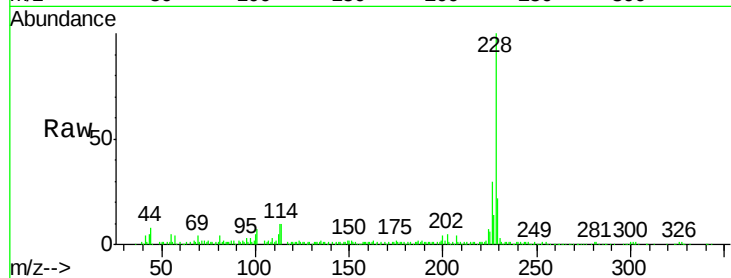




#83
Chrysene
Concen: 2.957 ng
RT: 14.02 min Scan# 2063
Delta R.T. 0.00 min
Lab File: BF120424.D
Acq: 28 May 2020 22:52

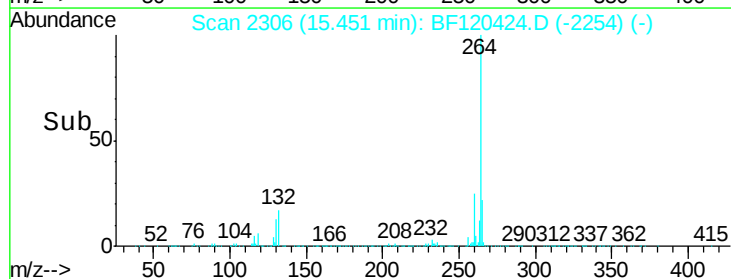
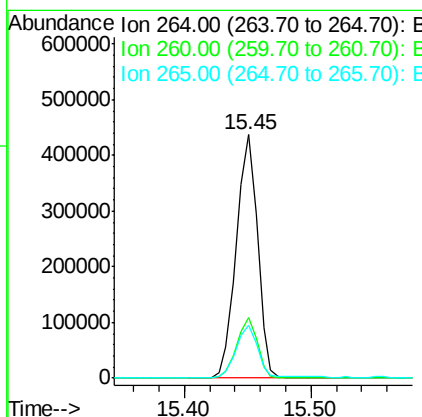
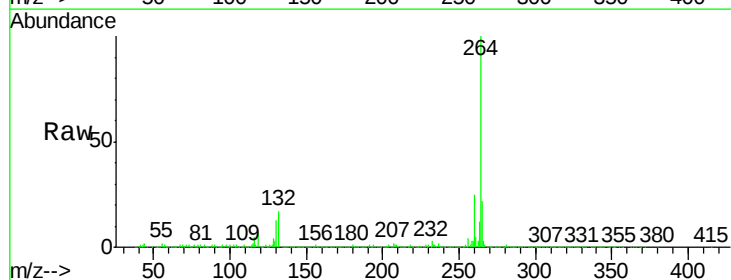
Instrument :
BNA_F
ClientSampleId :
NM76-COMP-2020-0-6

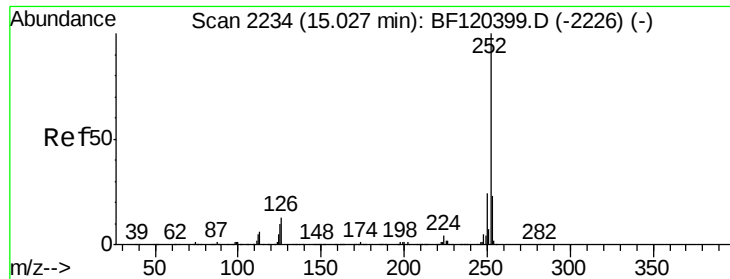
Tot Ion:228 Resp: 90289
Ion Ratio Lower Upper
228 100
226 29.8 25.6 38.4
229 21.8 16.6 25.0



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.45 min Scan# 2306
Delta R.T. 0.01 min
Lab File: BF120424.D
Acq: 28 May 2020 22:52

Tgt Ion:264 Resp: 503872
Ion Ratio Lower Upper
264 100
260 24.7 19.2 28.8
265 21.7 16.9 25.3

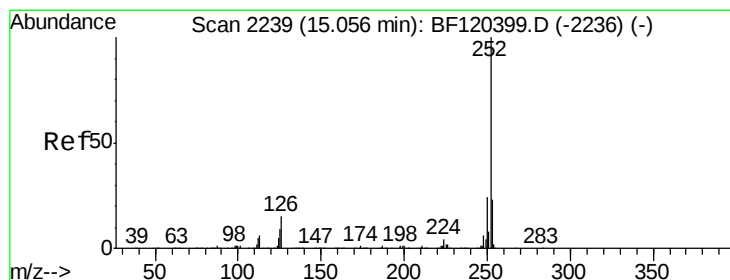
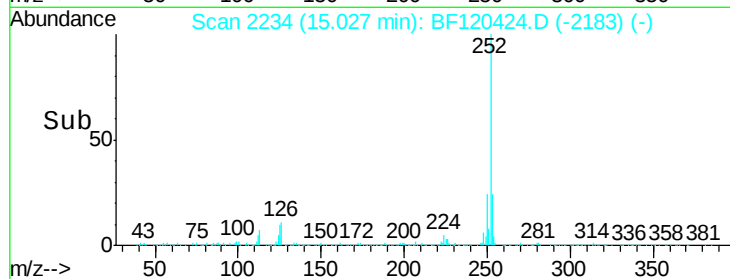
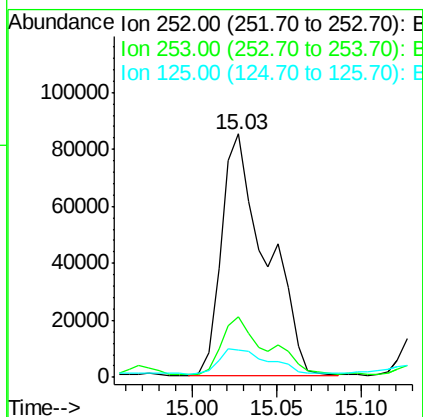
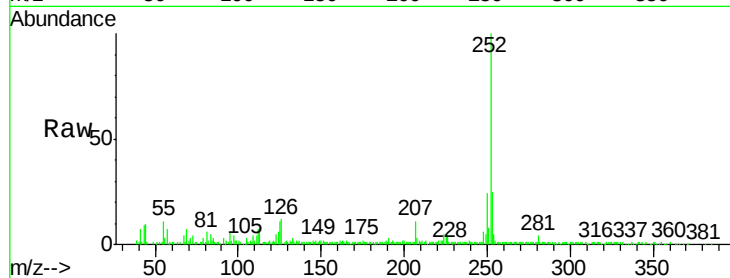




#88
Benzo(b)fluoranthene
Concen: 5.567 ng
RT: 15.03 min Scan# 2234
Delta R.T. 0.00 min
Lab File: BF120424.D
Acq: 28 May 2020 22:52

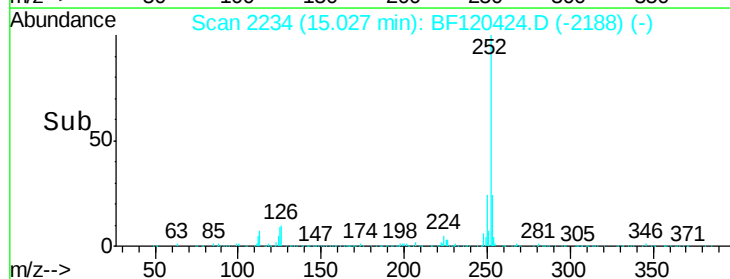
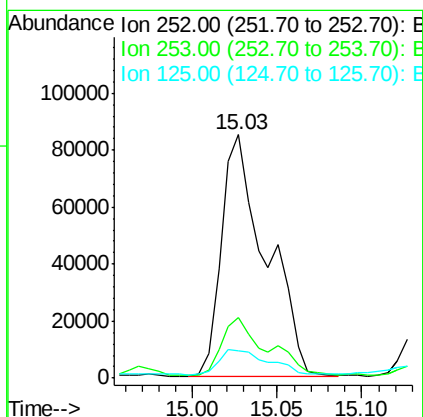
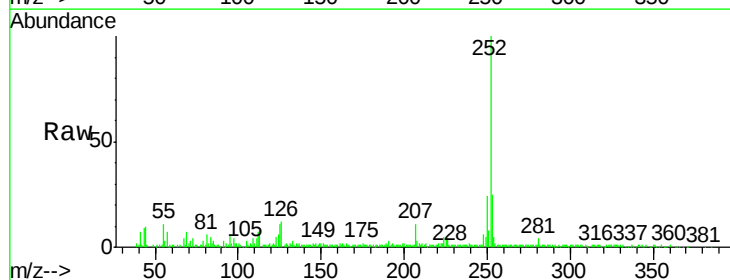
Instrument :
BNA_F
ClientSampleId :
NM76-COMP-2020-0-6

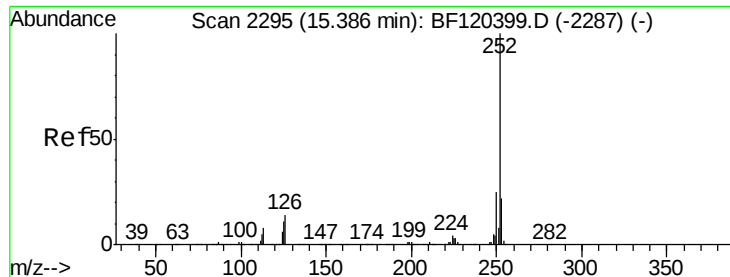
Tot Ion:252 Resp: 155809
Ion Ratio Lower Upper
252 100
253 24.6 18.1 27.1
125 11.2 7.8 11.8



#89
Benzo(k)fluoranthene
Concen: 5.964 ng
RT: 15.03 min Scan# 2234
Delta R.T. -0.03 min
Lab File: BF120424.D
Acq: 28 May 2020 22:52

Tgt Ion:252 Resp: 155809
Ion Ratio Lower Upper
252 100
253 24.6 18.5 27.7
125 11.2 8.0 12.0





#90

Benzo(a)pyrene

Concen: 3.174 ng

RT: 15.39 min Scan# 2295

Delta R.T. 0.00 min

Lab File: BF120424.D

Acq: 28 May 2020 22:52

Instrument :

BNA_F

ClientSampleId :

NM76-COMP-2020-0-6

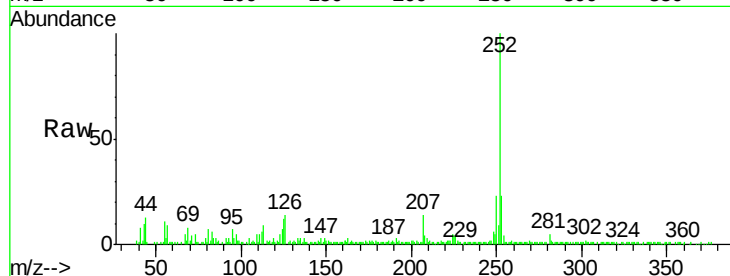
Tot Ion:252 Resp: 77700

Ion Ratio Lower Upper

252 100

253 23.1 17.4 26.0

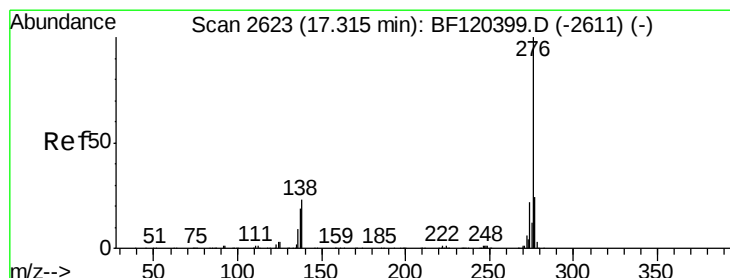
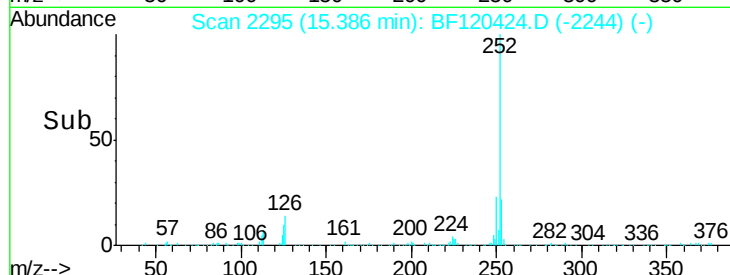
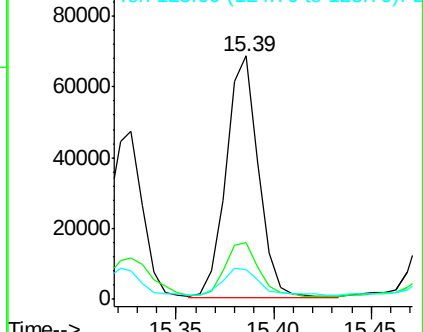
125 12.3 8.7 13.1



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: 2.020 ng

RT: 17.32 min Scan# 2623

Delta R.T. 0.00 min

Lab File: BF120424.D

Acq: 28 May 2020 22:52

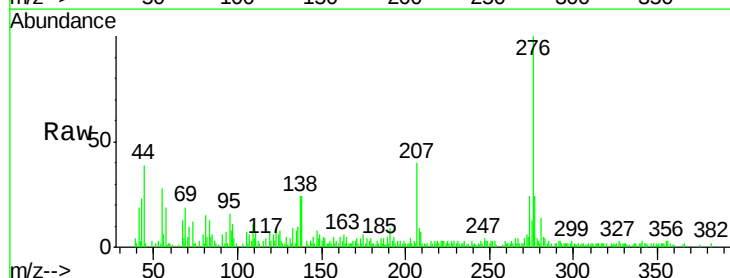
Tgt Ion:276 Resp: 44763

Ion Ratio Lower Upper

276 100

277 23.6 19.5 29.3

138 23.5 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

