

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF060320\
 Data File : BF120521.D
 Acq On : 3 Jun 2020 20:37
 Operator : JU/CG
 Sample : L2839-10
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 NM24-COMP-2020-0-6

Quant Time: Jun 04 00:42:10 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF052820.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jun 03 14:26:17 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.83	152	132901	20.00	ng	0.00
21) Naphthalene-d8	8.12	136	480413	20.00	ng	0.00
39) Acenaphthene-d10	9.87	164	225846	20.00	ng	-0.01
64) Phenanthrene-d10	11.36	188	360716	20.00	ng	0.00
76) Chrysene-d12	14.00	240	272059	20.00	ng	-0.01
86) Perylene-d12	15.46	264	234611	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.46	112	693358	99.42	ng	0.00
7) Phenol-d6	6.47	99	852149	99.14	ng	0.00
23) Nitrobenzene-d5	7.40	82	556507	75.77	ng	0.00
42) 2,4,6-Tribromophenol	10.66	330	216029	103.24	ng	0.00
45) 2-Fluorobiphenyl	9.19	172	1058602	79.53	ng	0.00
79) Terphenyl-d14	12.94	244	916921	75.00	ng	0.00

Target Compounds

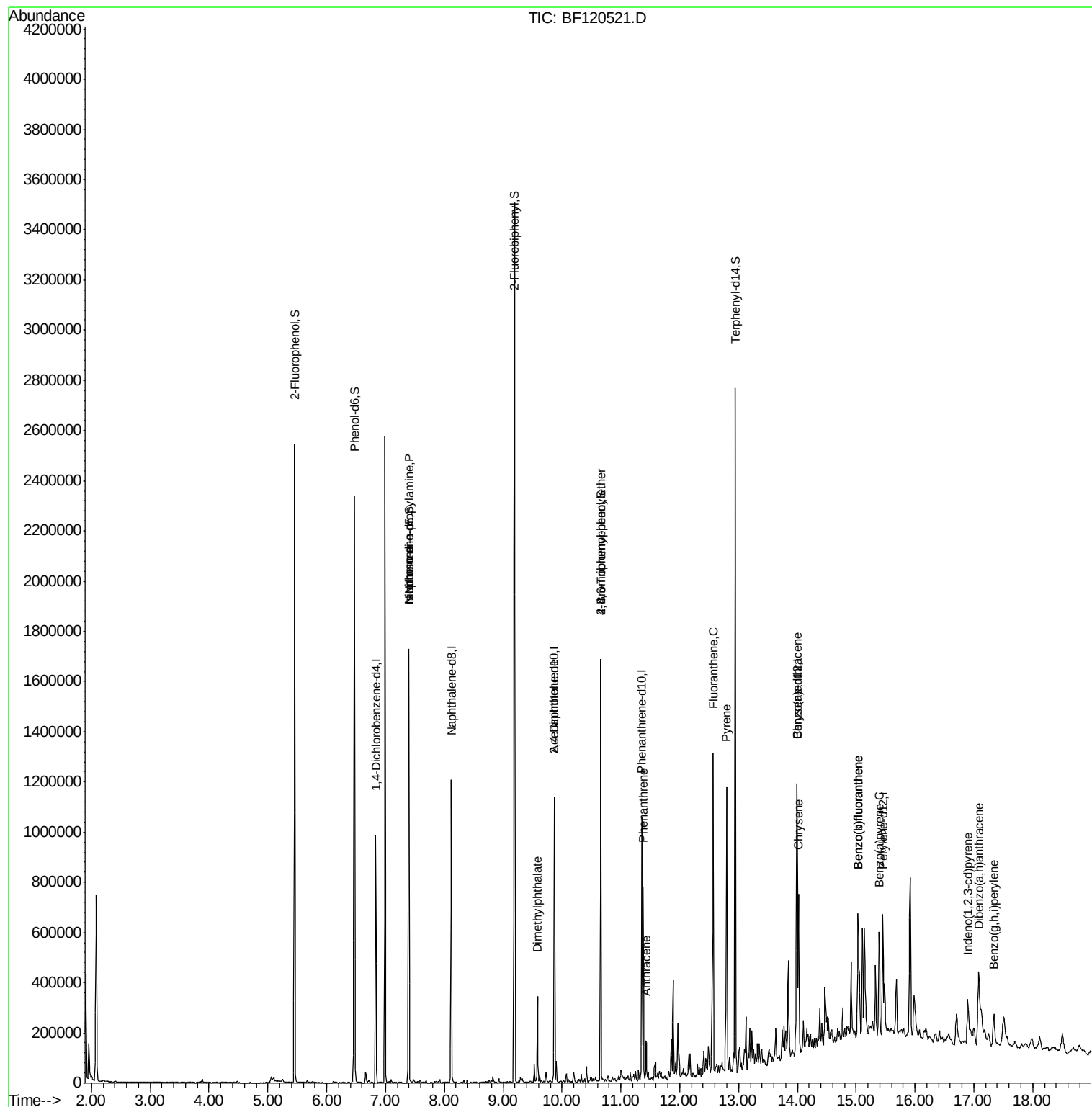
						Qvalue
19) n-Nitroso-di-n-propylamine	7.40	70	74470	13.629	ng	# 77
25) Isophorone	7.40	82	553725	37.513	ng	# 64
50) Dimethylphthalate	9.58	163	128002	9.066	ng	99
57) 2,4-Dinitrotoluene	9.87	165	28588	7.119	ng	# 26
67) 4-Bromophenyl-phenylether	10.66	248	12919	3.548	ng	# 1
71) Phenanthrene	11.38	178	247741	15.587	ng	97
72) Anthracene	11.43	178	62542	3.922	ng	96
75) Fluoranthene	12.57	202	519670	30.386	ng	100
78) Pyrene	12.80	202	481424	25.445	ng	98
81) Benzo(a)anthracene	13.99	228	286345	19.638	ng	98
83) Chrysene	14.02	228	246519	16.127	ng	97
87) Indeno(1,2,3-cd)pyrene	16.90	276	112191	8.743	ng	# 92
88) Benzo(b)fluoranthene	15.03	252	386260	29.642	ng	100
89) Benzo(k)fluoranthene	15.03	252	386260	31.752	ng	99
90) Benzo(a)pyrene	15.39	252	195845	17.182	ng	# 97
91) Dibenzo(a,h)anthracene	17.07	278	22894	2.188	ng	94
92) Benzo(a,h,i)perylene	17.34	276	103039	9.986	ng	97

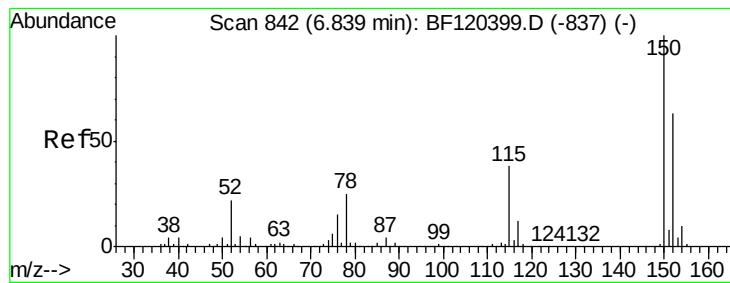
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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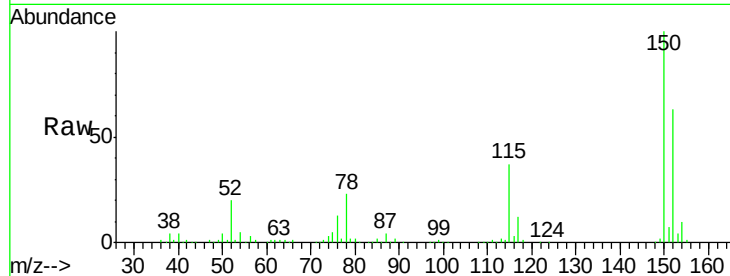


#1

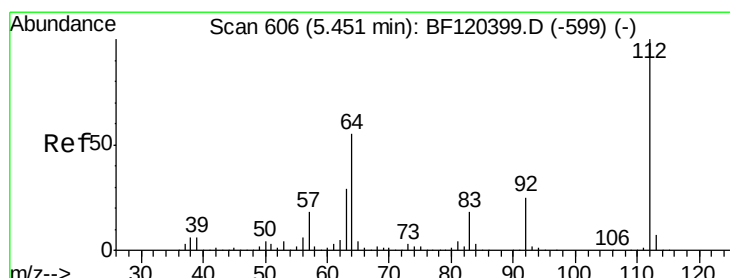
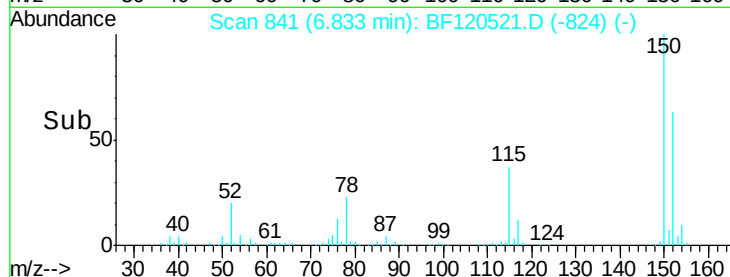
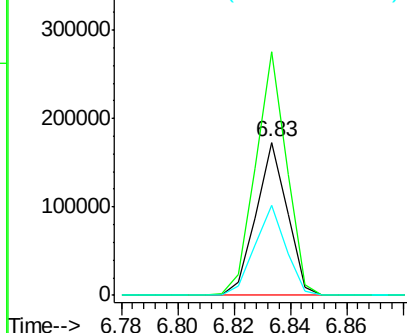
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.83 min Scan# 841
Delta R.T. -0.00 min
Lab File: BF120521.D
Acq: 3 Jun 2020 20:37

Instrument :
BNA_F
ClientSampleId :
NM24-COMP-2020-0-6

Tot Ion:152 Resp: 132901
Ion Ratio Lower Upper
152 100
150 158.9 127.1 190.7
115 58.5 48.7 73.1



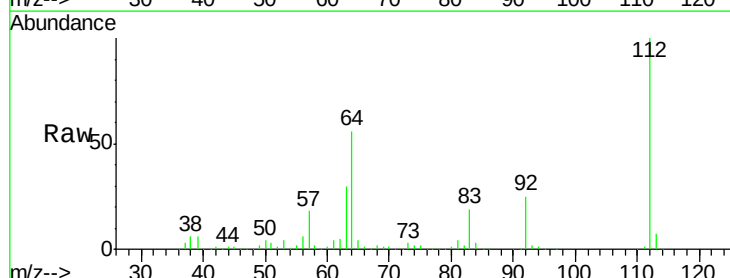
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



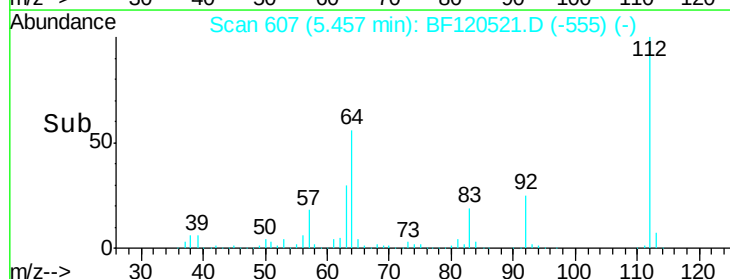
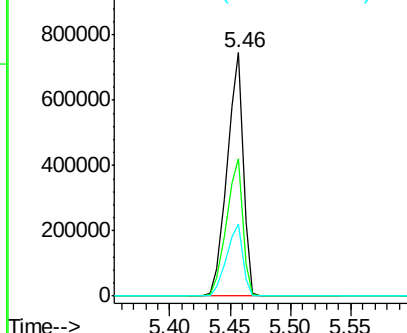
#5

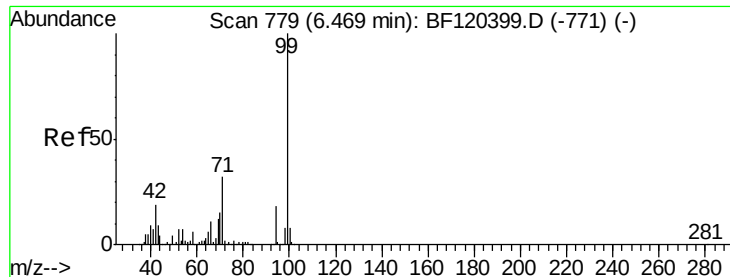
2-Fluorophenol
Concen: 99.425 ng
RT: 5.46 min Scan# 607
Delta R.T. 0.01 min
Lab File: BF120521.D
Acq: 3 Jun 2020 20:37

Tgt Ion:112 Resp: 693358
Ion Ratio Lower Upper
112 100
64 56.2 45.8 68.8
63 29.6 23.7 35.5



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BF1
Ion 63.00 (62.70 to 63.70): BF1





#7

Phenol-d6

Concen: 99.138 ng

RT: 6.47 min Scan# 780

Delta R.T. -0.00 min

Lab File: BF120521.D

Acq: 3 Jun 2020 20:37

Instrument :

BNA_F

ClientSampleId :

NM24-COMP-2020-0-6

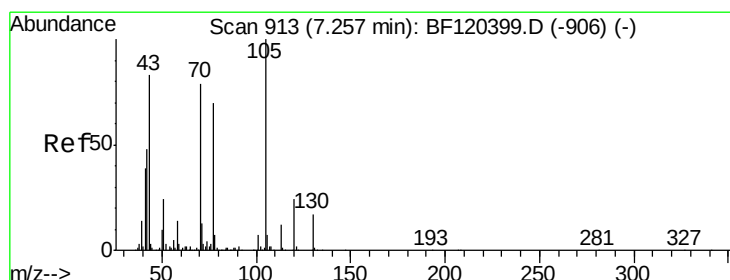
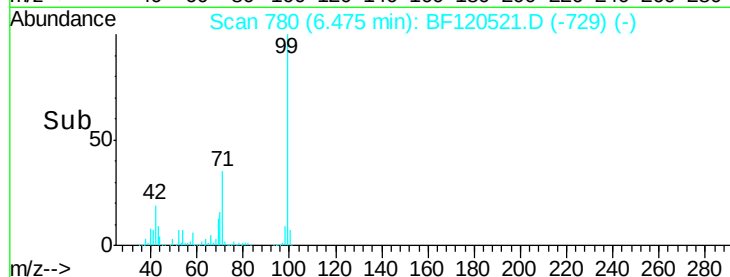
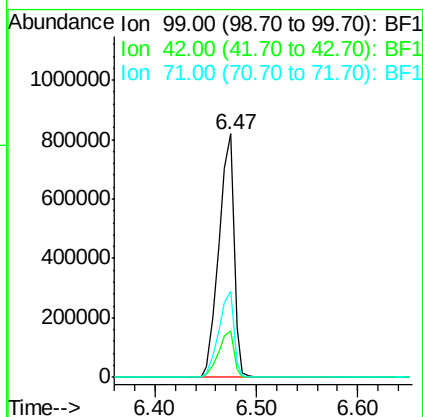
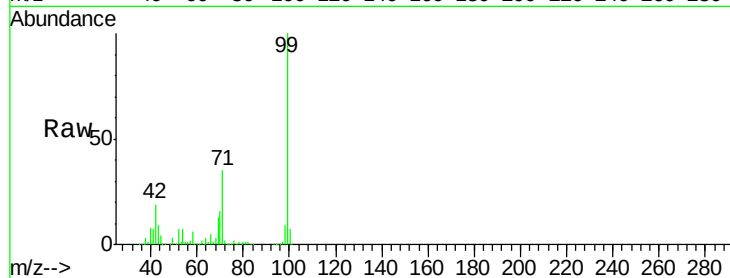
Tot Ion: 99 Resp: 852149

Ion Ratio Lower Upper

99 100

42 19.1 15.0 22.4

71 35.3 26.3 39.5



#19

n-Nitroso-di-n-propylamine

Concen: 13.629 ng

RT: 7.40 min Scan# 937

Delta R.T. 0.14 min

Lab File: BF120521.D

Acq: 3 Jun 2020 20:37

Tgt Ion: 70 Resp: 74470

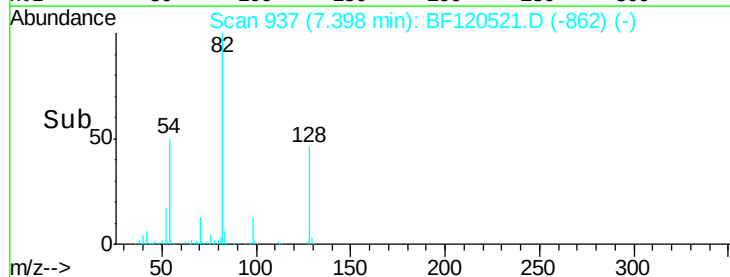
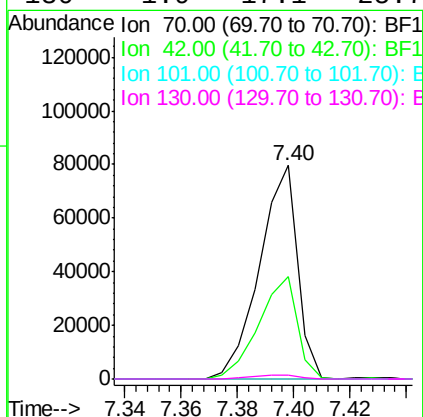
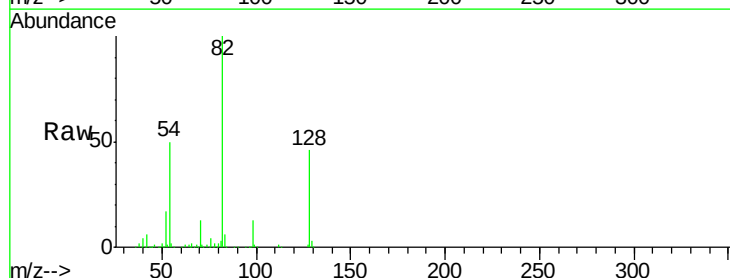
Ion Ratio Lower Upper

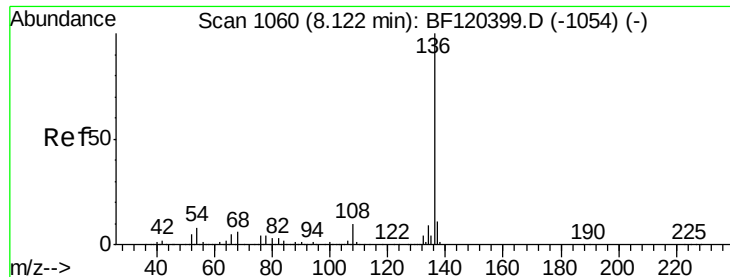
70 100

42 47.8 47.6 71.4

101 0.0 7.4 11.0#

130 1.9 17.1 25.7#

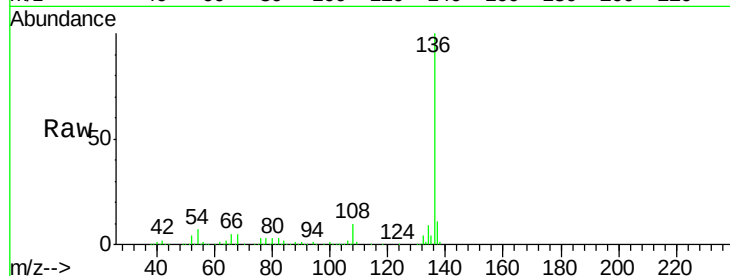




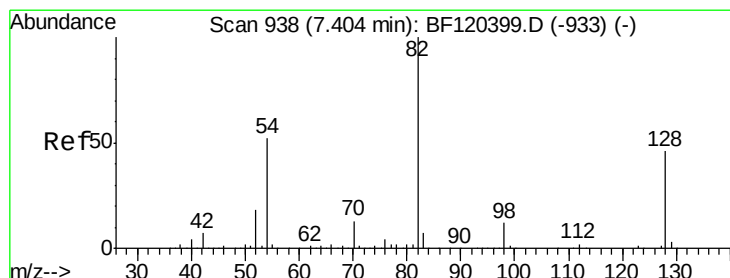
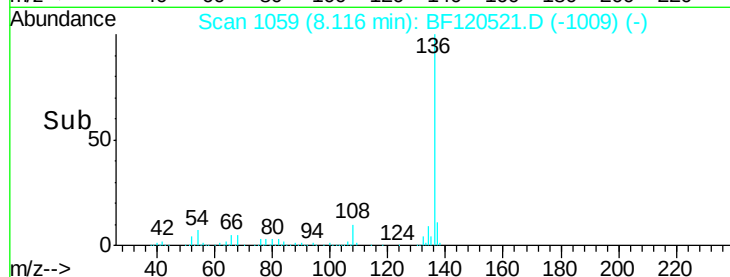
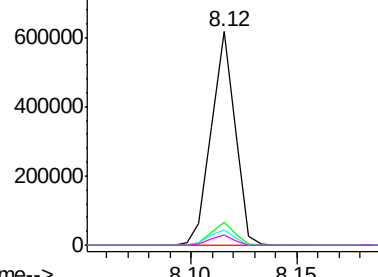
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.12 min Scan# 1059
Delta R.T. -0.01 min
Lab File: BF120521.D
Acq: 3 Jun 2020 20:37

Instrument :
BNA_F
ClientSampleId :
NM24-COMP-2020-0-6

Tot Ion:136	Resp:	480413	
Ion Ratio	Lower	Upper	
136 100			
137 10.8	9.0	13.4	
54 7.3	6.0	9.0	
68 4.8	4.8	7.2	

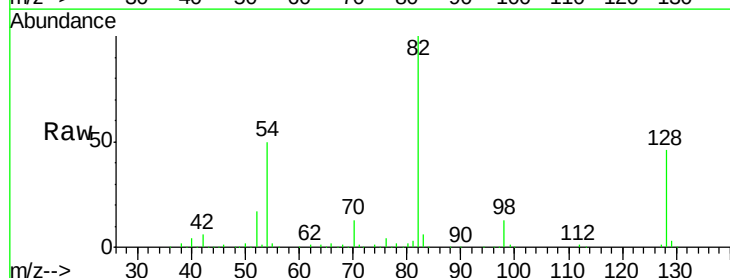


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

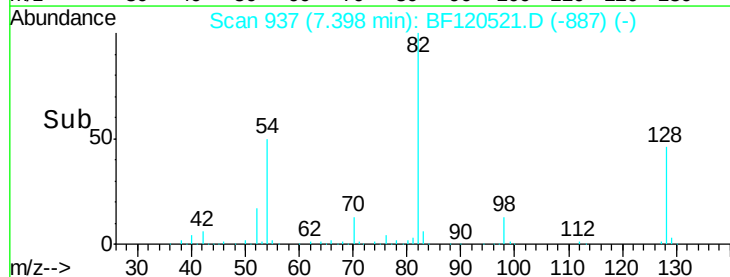
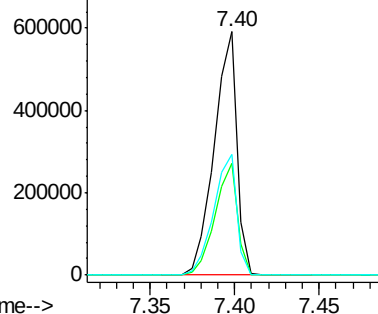


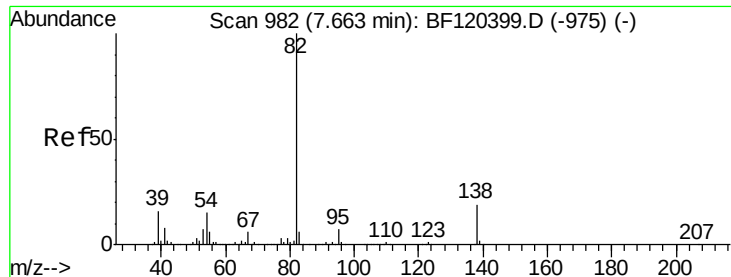
#23
Nitrobenzene-d5
Concen: 75.774 ng
RT: 7.40 min Scan# 937
Delta R.T. -0.01 min
Lab File: BF120521.D
Acq: 3 Jun 2020 20:37

Tgt Ion: 82	Resp: 556507
Ion Ratio	Lower Upper
82 100	
128 46.1	37.4 56.0
54 49.6	40.7 61.1



Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 37.513 ng

RT: 7.40 min Scan# 937

Delta R.T. -0.26 min

Lab File: BF120521.D

Acq: 3 Jun 2020 20:37

Instrument :

BNA_F

ClientSampleId :

NM24-COMP-2020-0-6

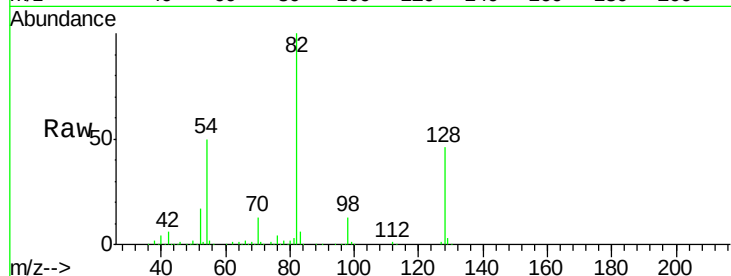
Tot Ion: 82 Resp: 553725

Ion Ratio Lower Upper

82 100

95 0.0 5.5 8.3#

138 0.0 15.0 22.6#



Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 95.00 (94.70 to 95.70): BF1
Ion 138.00 (137.70 to 138.70): BF1

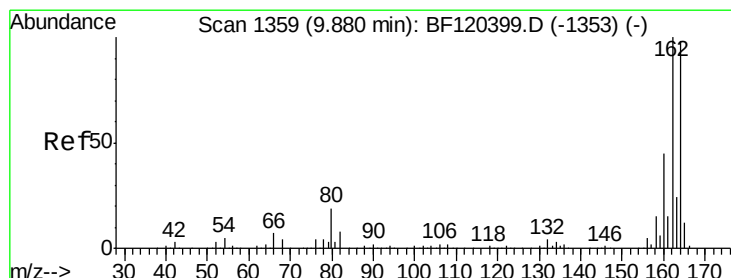
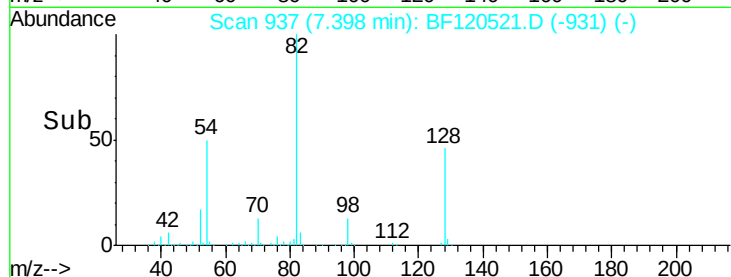
7.40

400000

200000

0

Time-->



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.87 min Scan# 1357

Delta R.T. -0.01 min

Lab File: BF120521.D

Acq: 3 Jun 2020 20:37

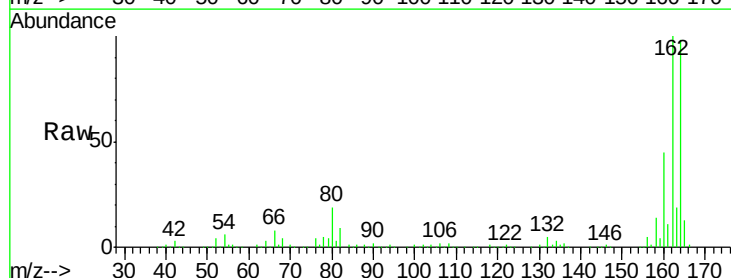
Tgt Ion: 164 Resp: 225846

Ion Ratio Lower Upper

164 100

162 102.0 81.8 122.6

160 45.7 37.3 55.9



Abundance Ion 164.00 (163.70 to 164.70): BF1
Ion 162.00 (161.70 to 162.70): BF1
Ion 160.00 (159.70 to 160.70): BF1

9.87

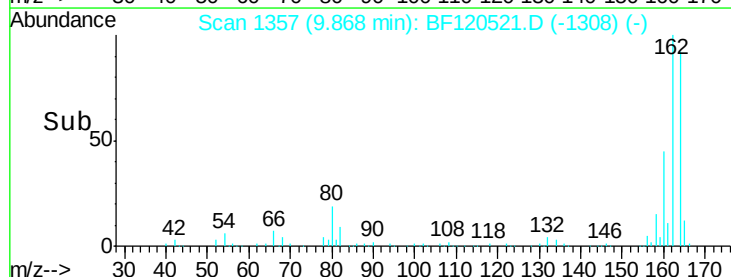
300000

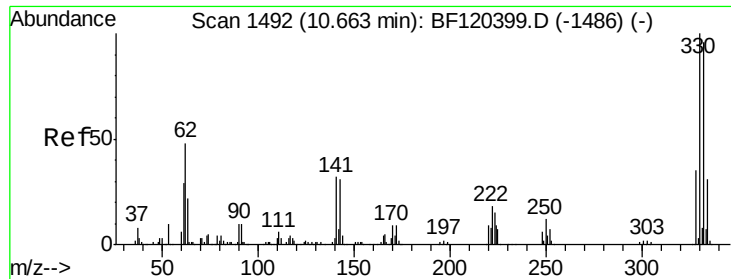
200000

100000

0

Time-->

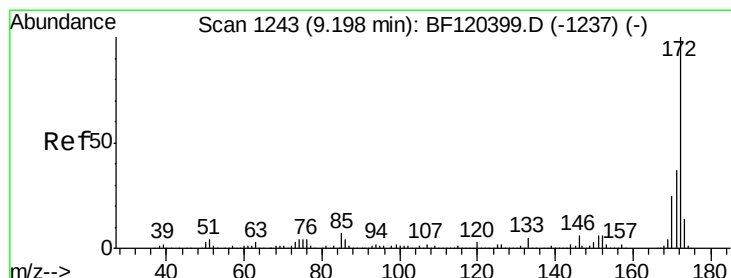
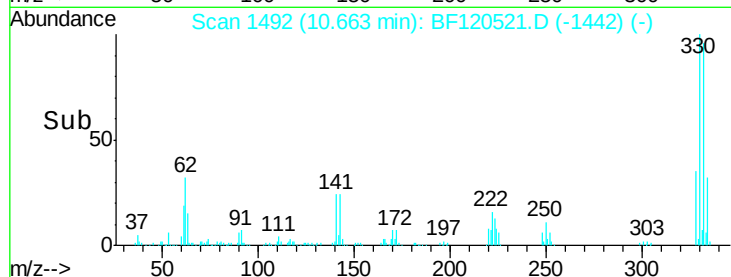
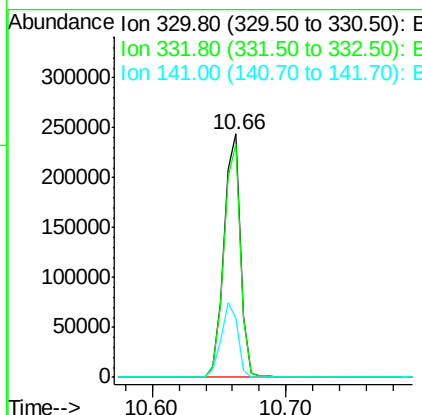
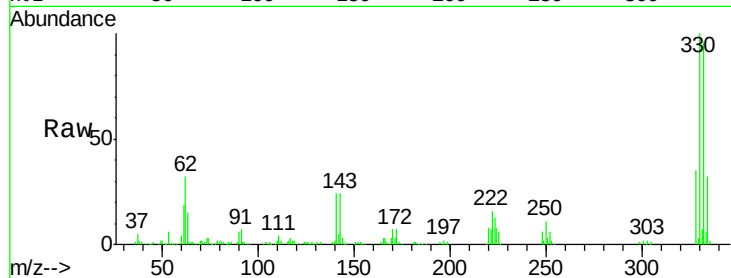




#42
 2,4,6-Tribromophenol
 Concen: 103.237 ng
 RT: 10.66 min Scan# 1492
 Delta R.T. -0.01 min
 Lab File: BF120521.D
 Acq: 3 Jun 2020 20:37

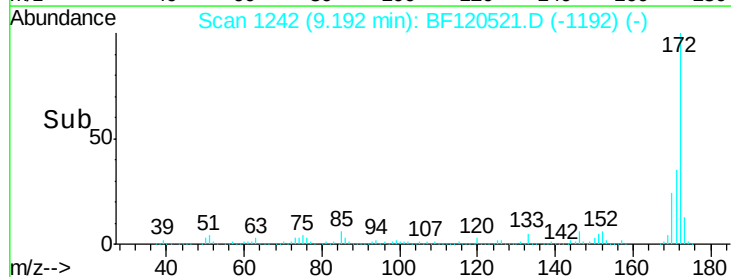
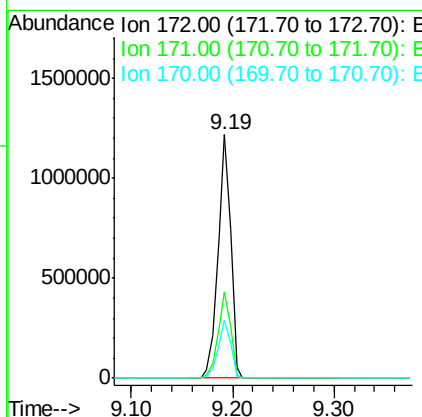
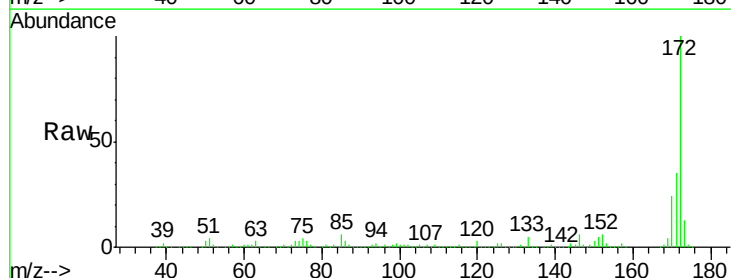
Instrument :
 BNA_F
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 NM24-COMP-2020-0-6

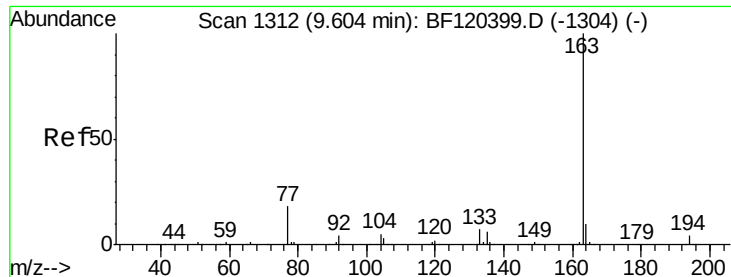
Tot Ion:330 Resp: 216029
 Ion Ratio Lower Upper
 330 100
 332 96.2 77.4 116.2
 141 30.9 23.5 35.3



#45
 2-Fluorobiphenyl
 Concen: 79.529 ng
 RT: 9.19 min Scan# 1242
 Delta R.T. -0.01 min
 Lab File: BF120521.D
 Acq: 3 Jun 2020 20:37

Tgt Ion:172 Resp: 1058602
 Ion Ratio Lower Upper
 172 100
 171 35.2 29.2 43.8
 170 23.6 20.1 30.1





#50

Dimethylphthalate

Concen: 9.066 ng

RT: 9.58 min Scan# 1308

Delta R.T. -0.02 min

Lab File: BF120521.D

Acq: 3 Jun 2020 20:37

Instrument :

BNA_F

ClientSampleId :

NM24-COMP-2020-0-6

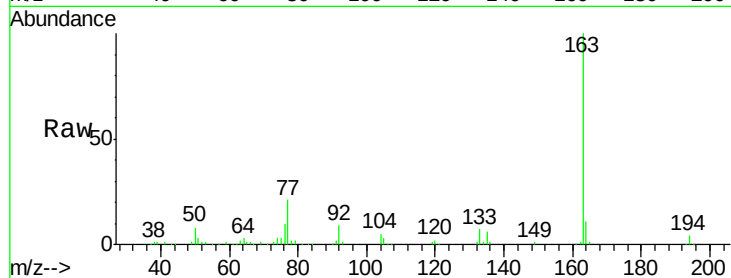
Tot Ion:163 Resp: 128002

Ion Ratio Lower Upper

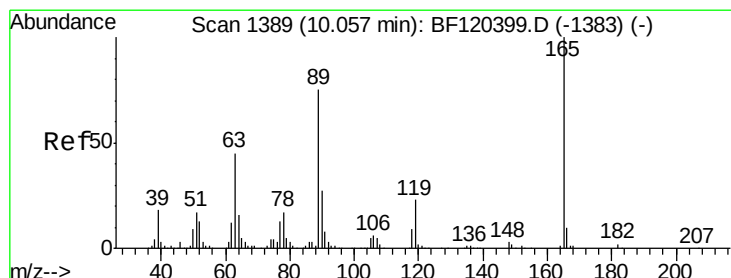
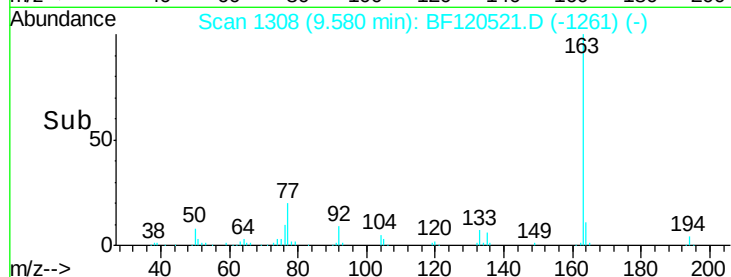
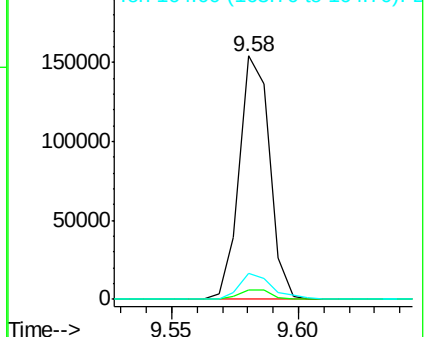
163 100

194 3.7 3.1 4.7

164 10.6 8.2 12.4



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



#57

2,4-Dinitrotoluene

Concen: 7.119 ng

RT: 9.87 min Scan# 1357

Delta R.T. -0.20 min

Lab File: BF120521.D

Acq: 3 Jun 2020 20:37

Tgt Ion:165 Resp: 28588

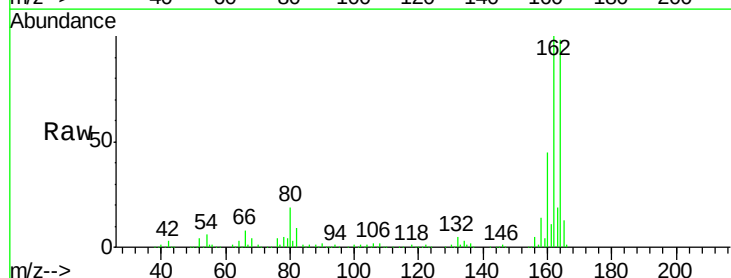
Ion Ratio Lower Upper

165 100

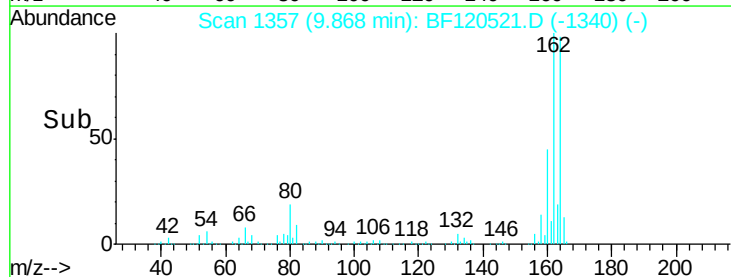
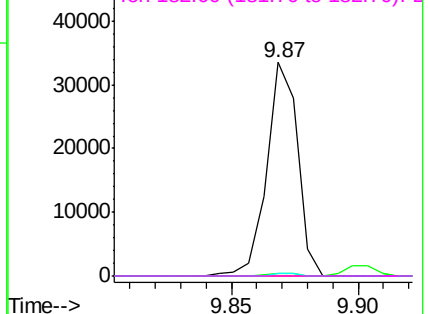
63 1.1 33.4 50.0#

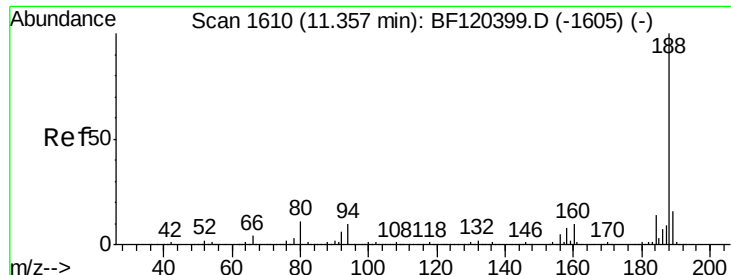
89 1.4 54.7 82.1#

182 0.0 2.1 3.1#



Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BF1
Ion 89.00 (88.70 to 89.70): BF1
Ion 182.00 (181.70 to 182.70): E





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.36 min Scan# 1610

Delta R.T. -0.01 min

Lab File: BF120521.D

Acq: 3 Jun 2020 20:37

Instrument :

BNA_F

ClientSampleId :

NM24-COMP-2020-0-6

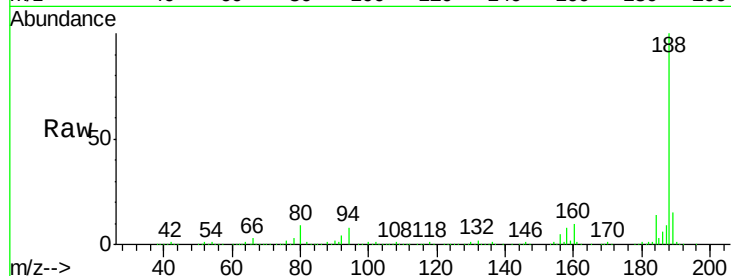
Tot Ion:188 Resp: 360716

Ion Ratio Lower Upper

188 100

94 8.4 7.5 11.3

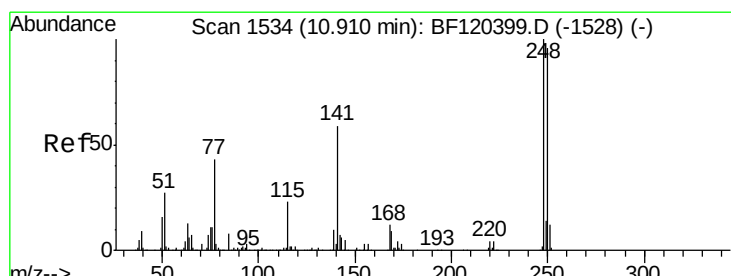
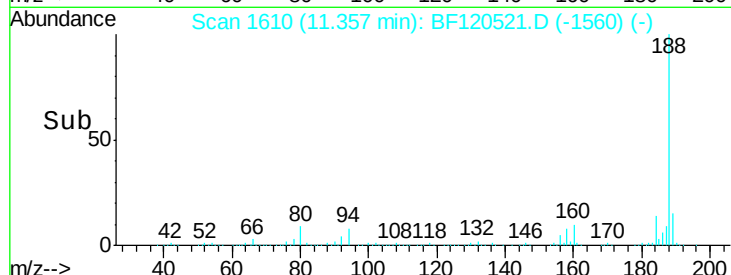
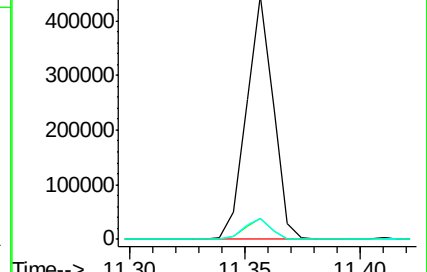
80 8.7 7.9 11.9



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1



#67

4-Bromophenyl-phenylether

Concen: 3.548 ng

RT: 10.66 min Scan# 1492

Delta R.T. -0.25 min

Lab File: BF120521.D

Acq: 3 Jun 2020 20:37

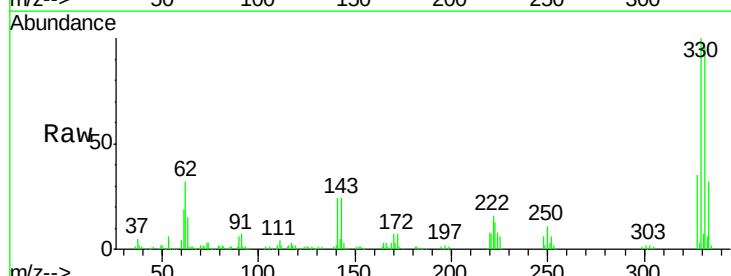
Tgt Ion:248 Resp: 12919

Ion Ratio Lower Upper

248 100

250 203.5 78.0 117.0#

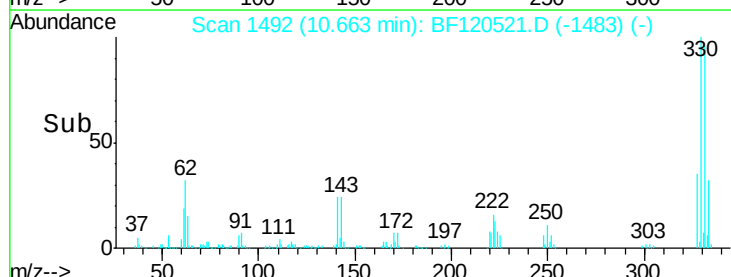
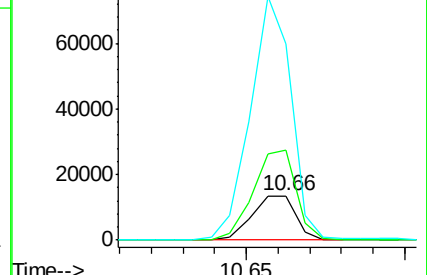
141 443.3 50.3 75.5#

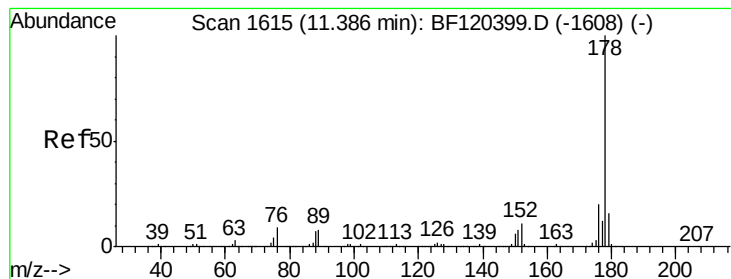


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#71

Phenanthrene

Concen: 15.587 ng

RT: 11.38 min Scan# 1614

Delta R.T. -0.01 min

Lab File: BF120521.D

Acq: 3 Jun 2020 20:37

Instrument :

BNA_F

ClientSampleId :

NM24-COMP-2020-0-6

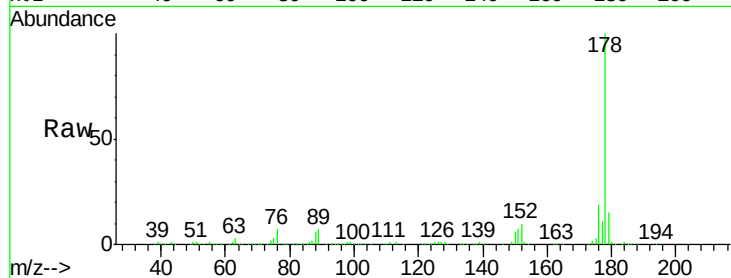
Tot Ion:178 Resp: 247741

Ion Ratio Lower Upper

178 100

176 19.1 16.6 24.8

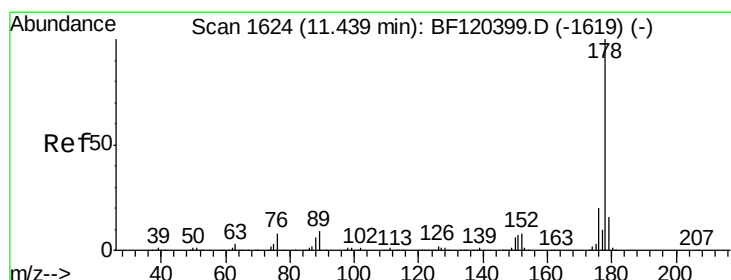
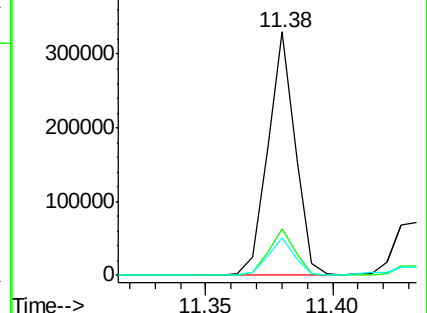
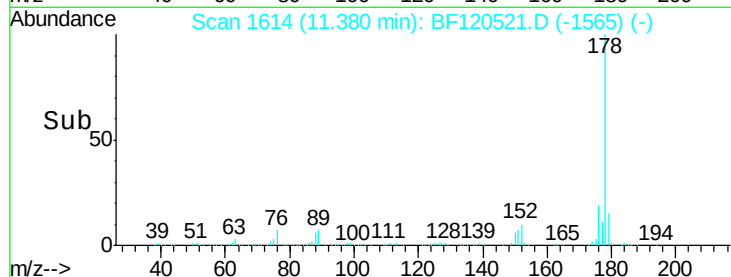
179 15.3 13.0 19.4



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: 3.922 ng

RT: 11.43 min Scan# 1623

Delta R.T. -0.01 min

Lab File: BF120521.D

Acq: 3 Jun 2020 20:37

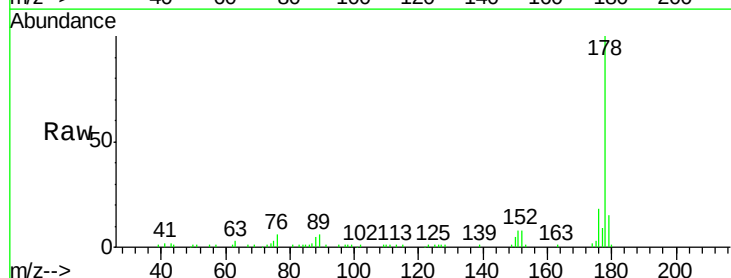
Tgt Ion:178 Resp: 62542

Ion Ratio Lower Upper

178 100

176 17.6 15.7 23.5

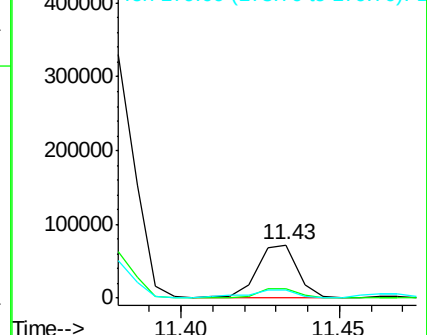
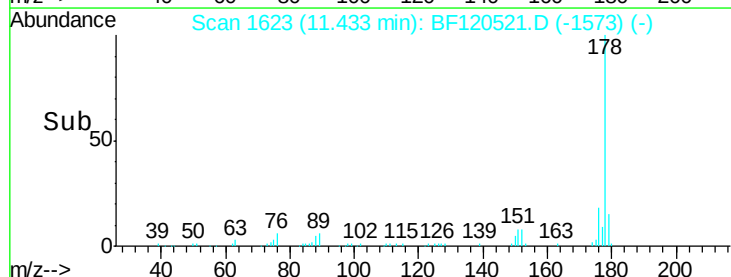
179 14.5 13.1 19.7

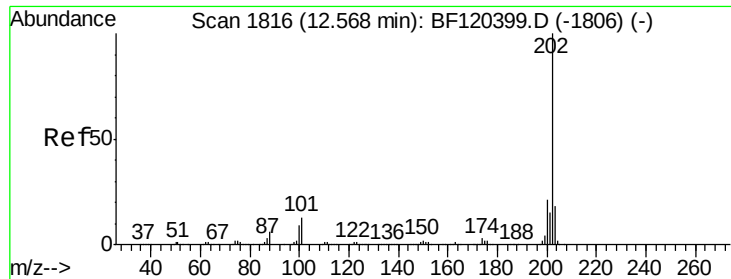


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#75

Fluoranthene

Concen: 30.386 ng

RT: 12.57 min Scan# 1816

Delta R.T. -0.01 min

Lab File: BF120521.D

Acq: 3 Jun 2020 20:37

Instrument :

BNA_F

ClientSampleId :

NM24-COMP-2020-0-6

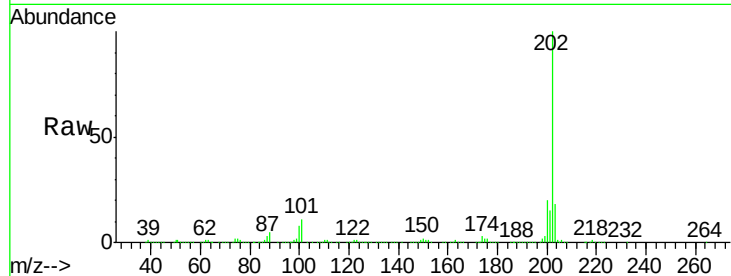
Tot Ion:202 Resp: 519670

Ion Ratio Lower Upper

202 100

101 10.7 0.0 30.4

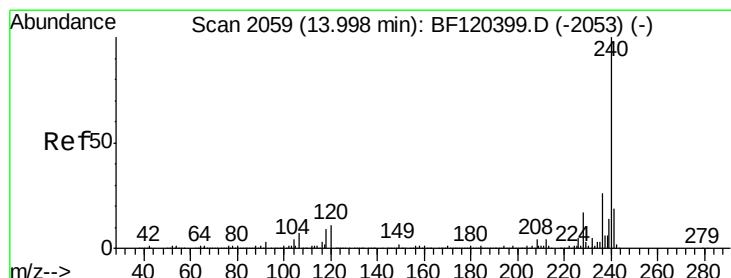
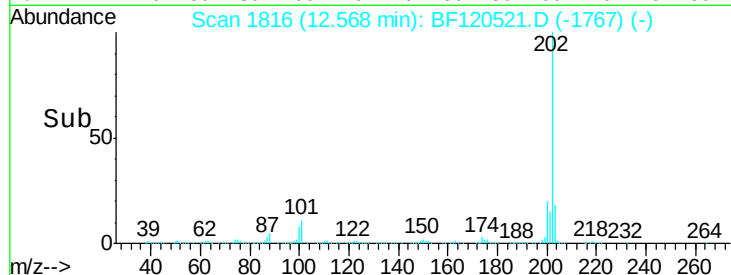
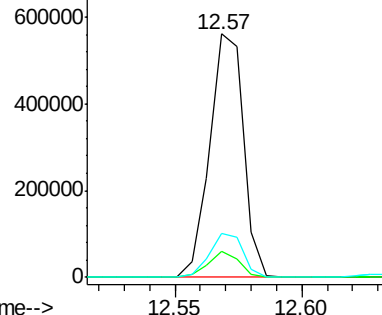
203 18.1 0.0 38.2



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.00 min Scan# 2059

Delta R.T. -0.01 min

Lab File: BF120521.D

Acq: 3 Jun 2020 20:37

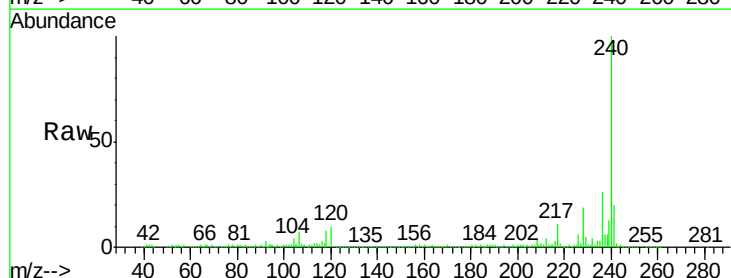
Tgt Ion:240 Resp: 272059

Ion Ratio Lower Upper

240 100

120 9.5 7.9 11.9

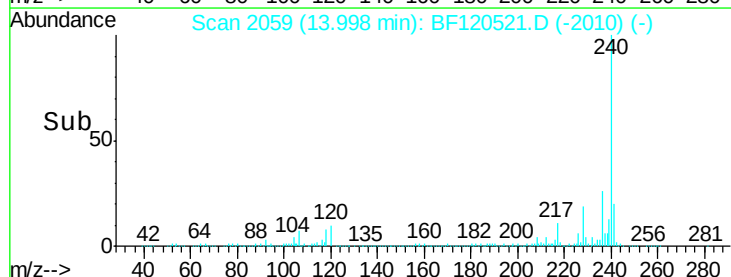
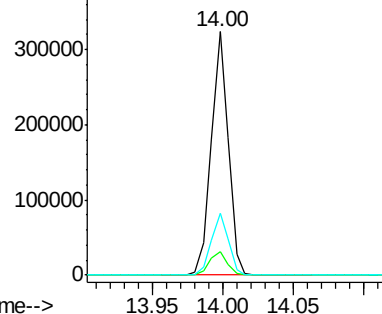
236 25.6 21.1 31.7

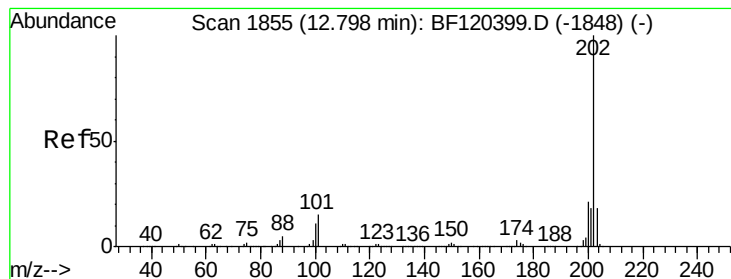


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#78

Pvrene

Concen: 25.445 ng

RT: 12.80 min Scan# 1855

Delta R.T. -0.01 min

Lab File: BF120521.D

Acq: 3 Jun 2020 20:37

Instrument :

BNA_F

ClientSampleId :

NM24-COMP-2020-0-6

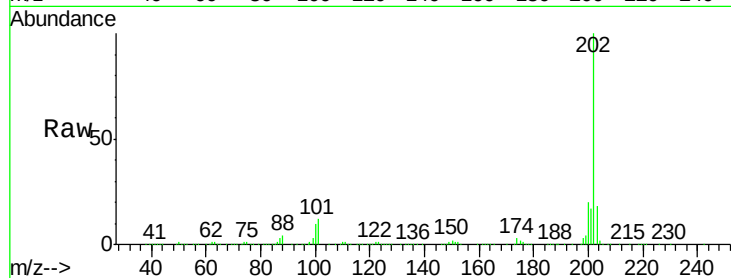
Tot Ion:202 Resp: 481424

Ion Ratio Lower Upper

202 100

200 20.3 17.3 25.9

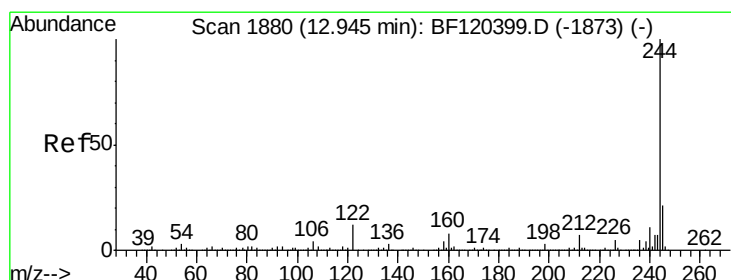
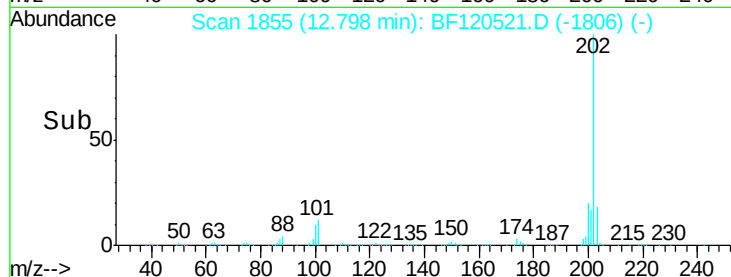
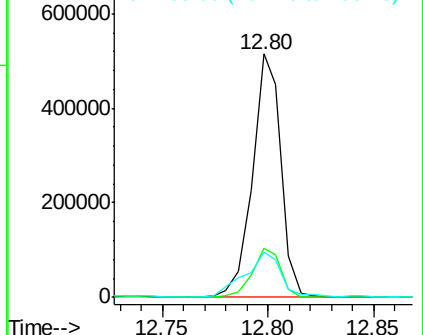
203 18.3 14.5 21.7



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: 74.997 ng

RT: 12.94 min Scan# 1880

Delta R.T. -0.01 min

Lab File: BF120521.D

Acq: 3 Jun 2020 20:37

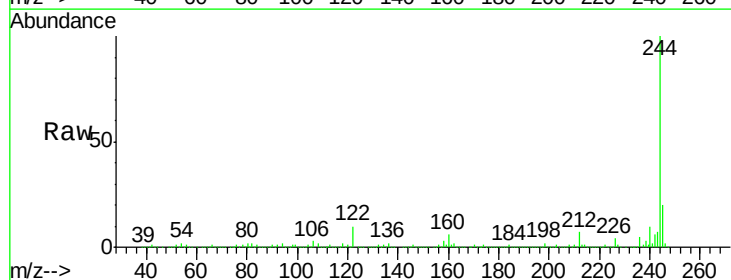
Tgt Ion:244 Resp: 916921

Ion Ratio Lower Upper

244 100

212 6.7 5.8 8.8

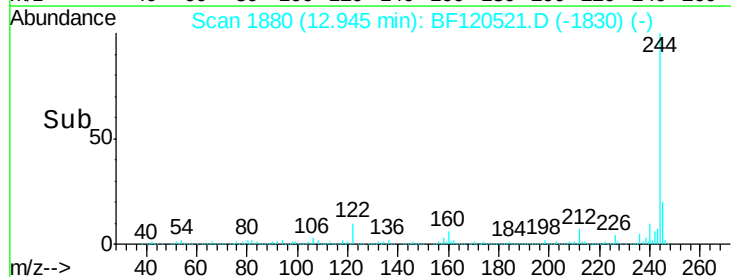
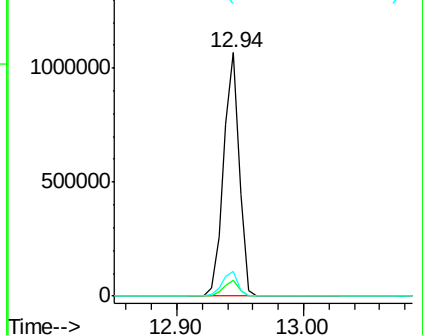
122 10.0 8.2 12.4

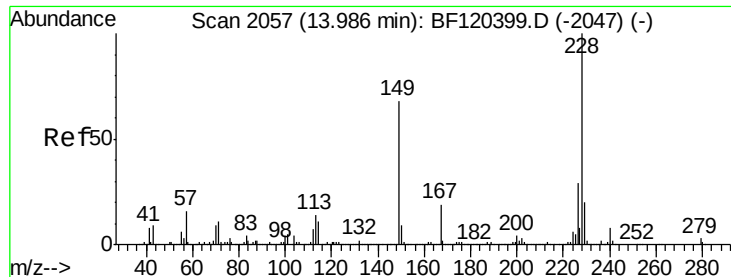


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#81

Benzo(a)anthracene

Concen: 19.638 ng

RT: 13.99 min Scan# 2057

Delta R.T. -0.01 min

Lab File: BF120521.D

Acq: 3 Jun 2020 20:37

Instrument :

BNA_F

ClientSampleId :

NM24-COMP-2020-0-6

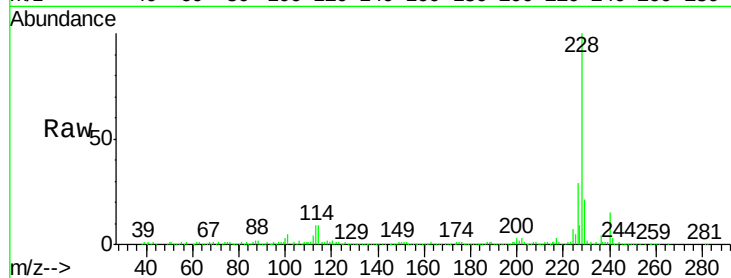
Tot Ion:228 Resp: 286345

Ion Ratio Lower Upper

228 100

226 29.3 22.7 34.1

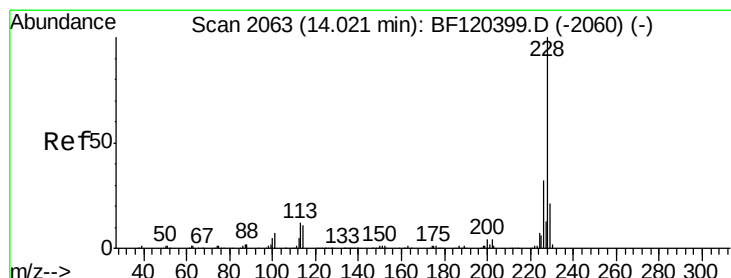
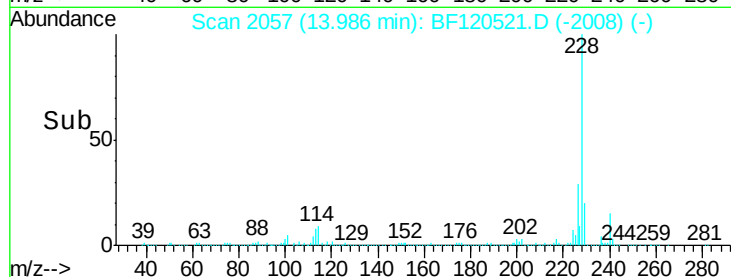
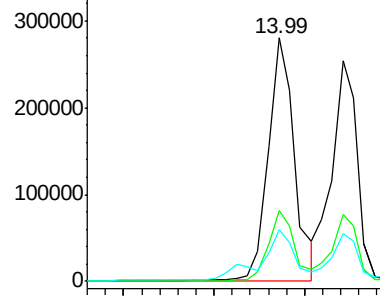
229 21.0 16.3 24.5



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#83

Chrysene

Concen: 16.127 ng

RT: 14.02 min Scan# 2063

Delta R.T. -0.02 min

Lab File: BF120521.D

Acq: 3 Jun 2020 20:37

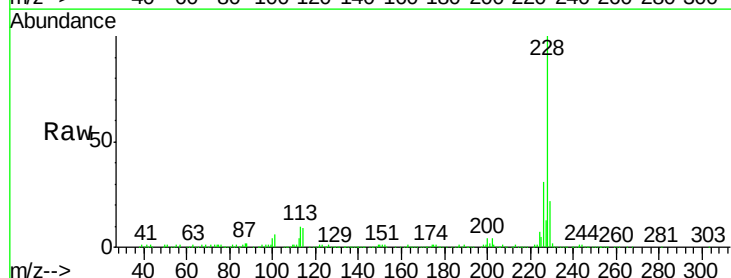
Tgt Ion:228 Resp: 246519

Ion Ratio Lower Upper

228 100

226 30.6 25.2 37.8

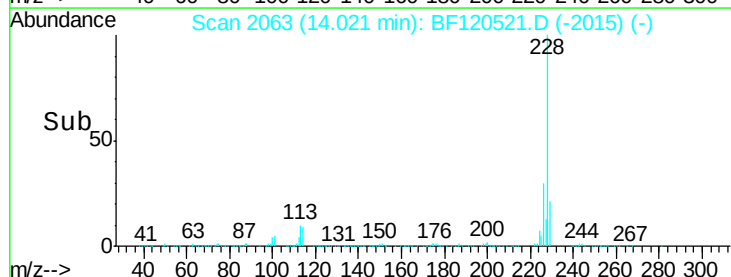
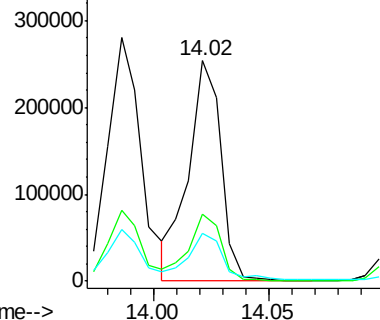
229 21.9 16.1 24.1

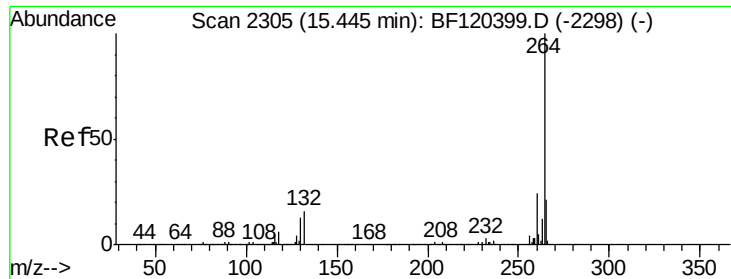


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

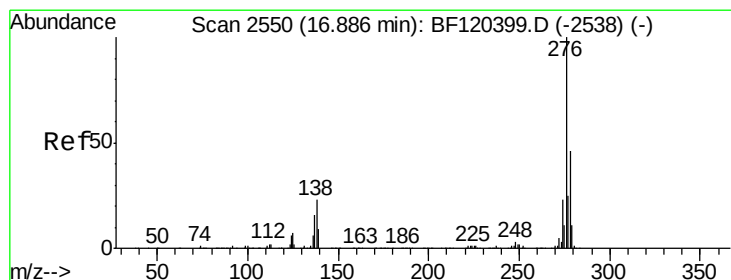
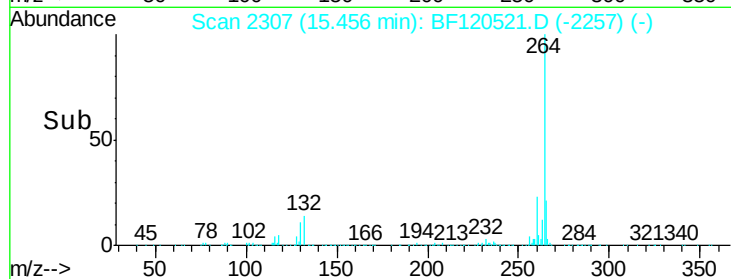
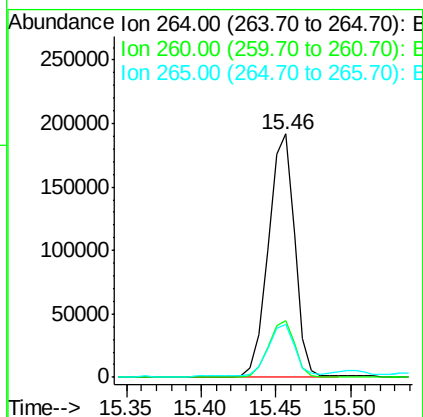
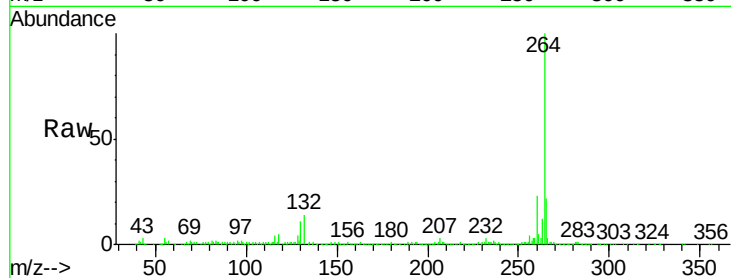




#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.46 min Scan# 2307
Delta R.T. -0.01 min
Lab File: BF120521.D
Acq: 3 Jun 2020 20:37

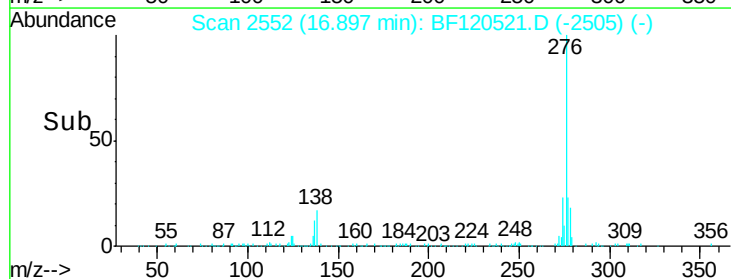
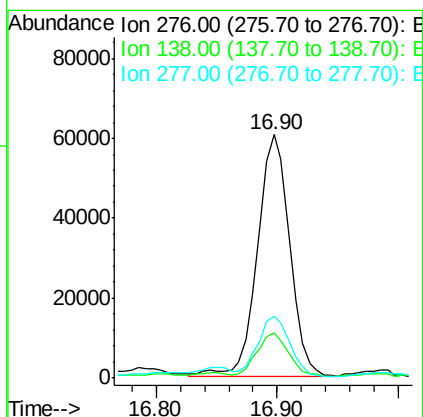
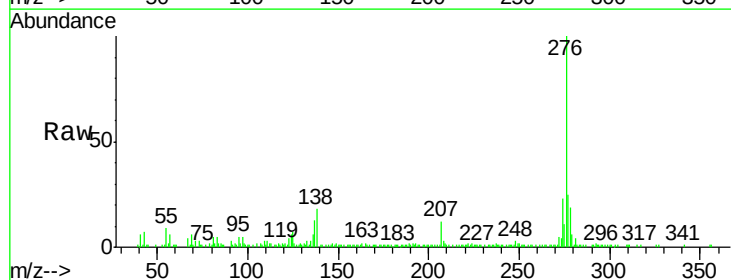
Instrument :
BNA_F
ClientSampleId :
NM24-COMP-2020-0-6

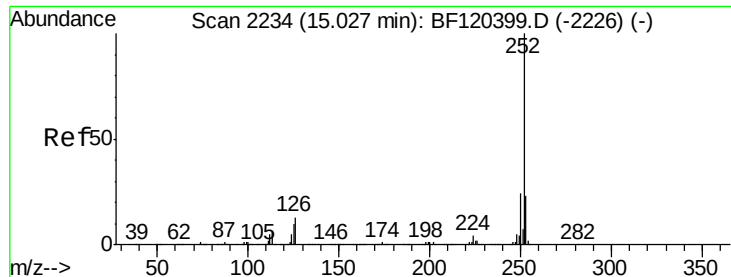
Tot Ion:264 Resp: 234611
Ion Ratio Lower Upper
264 100
260 23.3 19.8 29.8
265 21.7 17.5 26.3



#87
Indeno(1,2,3-cd)pyrene
Concen: 8.743 ng
RT: 16.90 min Scan# 2552
Delta R.T. -0.02 min
Lab File: BF120521.D
Acq: 3 Jun 2020 20:37

Tgt Ion:276 Resp: 112191
Ion Ratio Lower Upper
276 100
138 17.5 19.2 28.8#
277 24.2 20.4 30.6

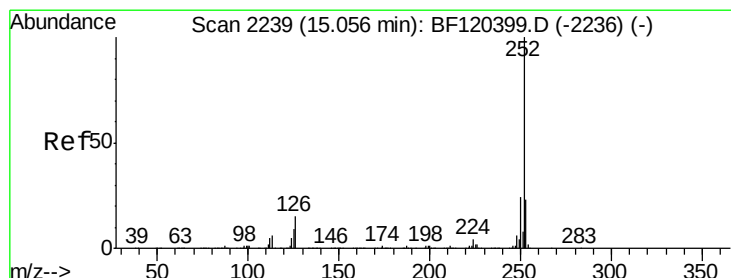
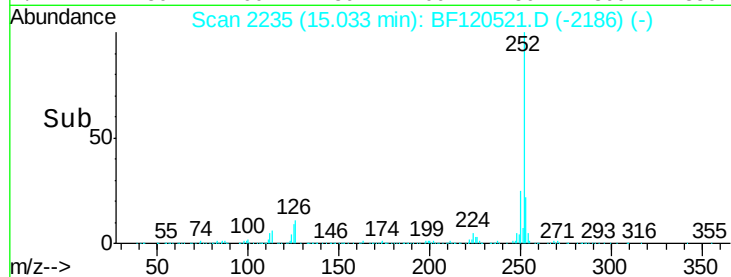
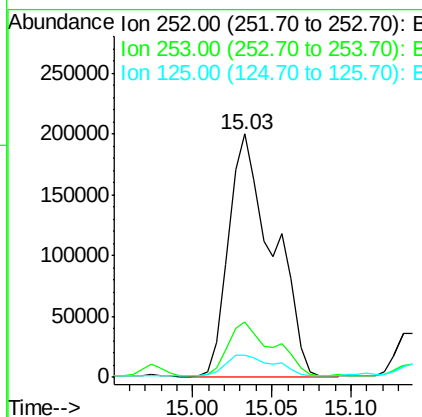
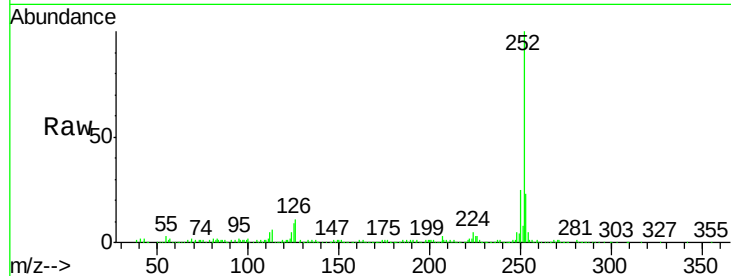




#88
Benzo(b)fluoranthene
Concen: 29.642 ng
RT: 15.03 min Scan# 2235
Delta R.T. -0.01 min
Lab File: BF120521.D
Acq: 3 Jun 2020 20:37

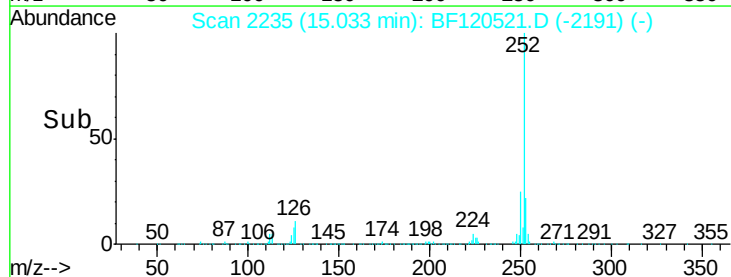
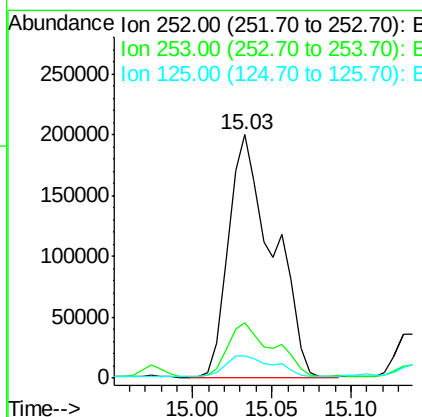
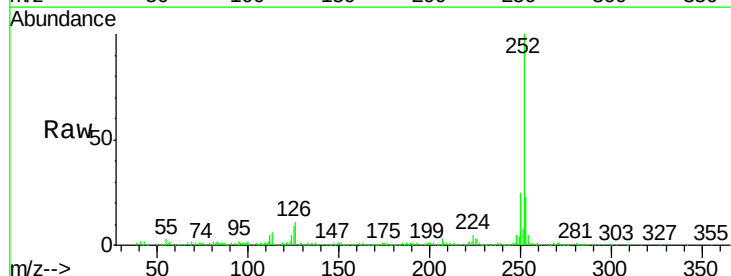
Instrument :
BNA_F
ClientSampleId :
NM24-COMP-2020-0-6

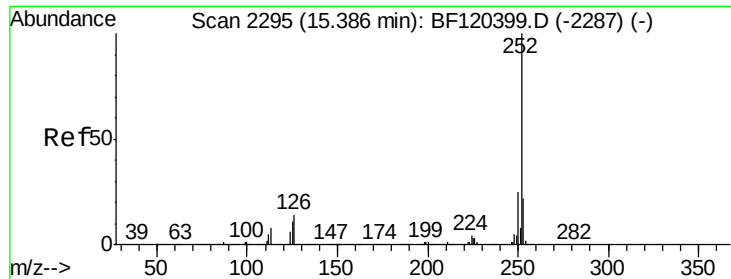
Tot Ion:252 Resp: 386260
Ion Ratio Lower Upper
252 100
253 22.6 18.2 27.2
125 9.1 7.6 11.4



#89
Benzo(k)fluoranthene
Concen: 31.752 ng
RT: 15.03 min Scan# 2235
Delta R.T. -0.04 min
Lab File: BF120521.D
Acq: 3 Jun 2020 20:37

Tgt Ion:252 Resp: 386260
Ion Ratio Lower Upper
252 100
253 22.6 17.6 26.4
125 9.1 7.5 11.3





#90

Benzo(a)pyrene

Concen: 17.182 ng

RT: 15.39 min Scan# 2296

Delta R.T. -0.01 min

Lab File: BF120521.D

Acq: 3 Jun 2020 20:37

Instrument :

BNA_F

ClientSampleId :

NM24-COMP-2020-0-6

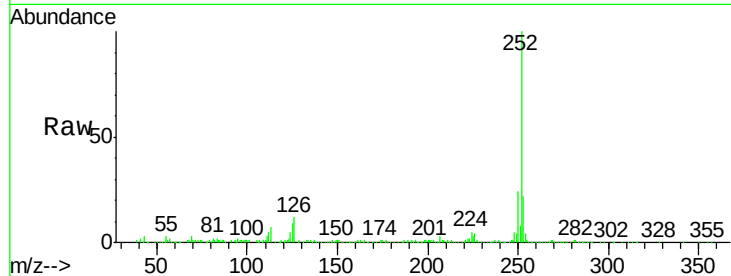
Tot Ion:252 Resp: 195845

Ion Ratio Lower Upper

252 100

253 21.9 18.0 27.0

125 9.1 9.2 13.8#

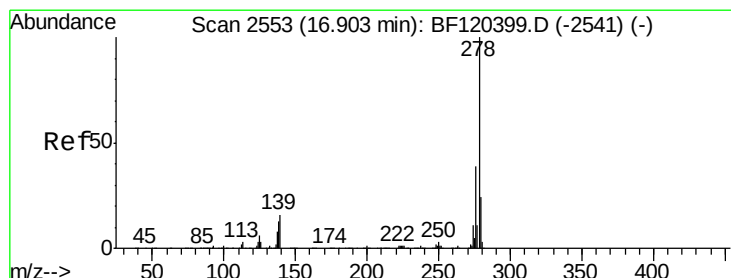
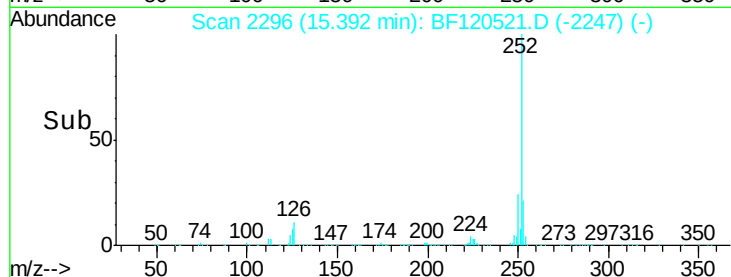
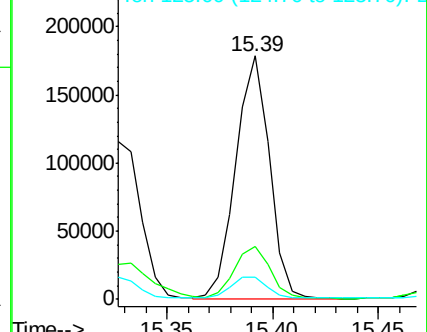


Abundance

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



#91

Dibenzo(a,h)anthracene

Concen: 2.188 ng

RT: 17.07 min Scan# 2582

Delta R.T. 0.13 min

Lab File: BF120521.D

Acq: 3 Jun 2020 20:37

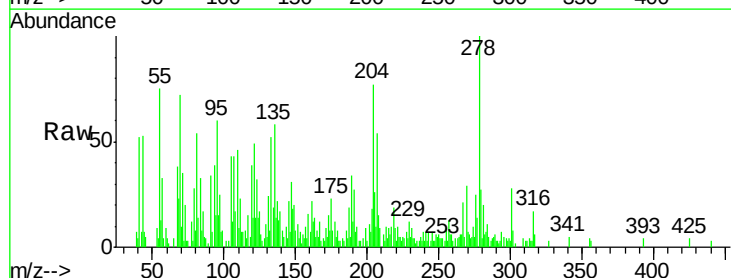
Tgt Ion:278 Resp: 22894

Ion Ratio Lower Upper

278 100

139 17.4 11.6 17.4

279 26.9 19.2 28.8

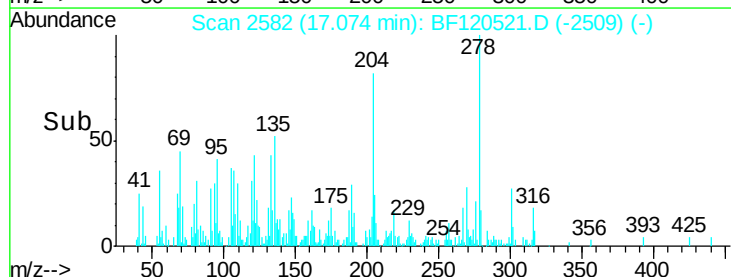
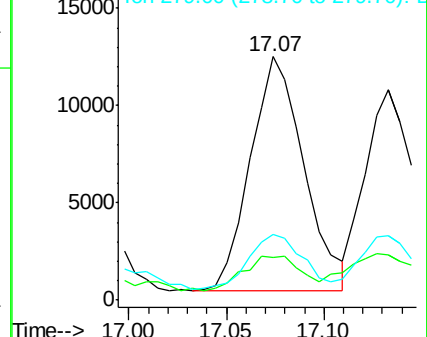


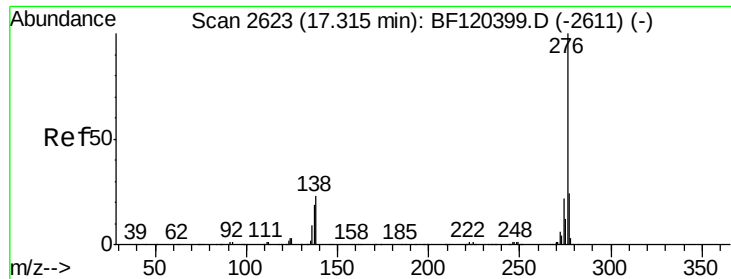
Abundance

Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E





#92

Benzo(a,h,i)perylene

Concen: 9.986 ng

RT: 17.34 min Scan# 2627

Delta R.T. -0.02 min

Lab File: BF120521.D

Acq: 3 Jun 2020 20:37

Instrument :

BNA_F

ClientSampleId :

NM24-COMP-2020-0-6

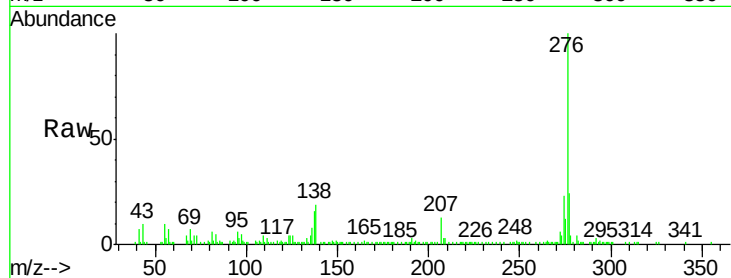
Tot Ion:276 Resp: 103039

Ion Ratio Lower Upper

276 100

277 23.6 19.4 29.2

138 18.7 16.6 25.0



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

