

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF060320\
 Data File : BF120525.D
 Acq On : 3 Jun 2020 22:27
 Operator : JU/CG
 Sample : L2839-03
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 NM5-COMP-2020-0-6

Quant Time: Jun 04 00:44:03 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	148264	20.00	ng	0.00
21) Naphthalene-d8	8.12	136	538315	20.00	ng	0.00
39) Acenaphthene-d10	9.87	164	286696	20.00	ng	0.00
64) Phenanthrene-d10	11.36	188	449137	20.00	ng	0.00
76) Chrysene-d12	14.00	240	354818	20.00	ng	-0.01
86) Perylene-d12	15.46	264	284896	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.46	112	718018	92.29	ng	0.00
7) Phenol-d6	6.47	99	1080067	112.63	ng	0.00
23) Nitrobenzene-d5	7.40	82	573498	69.69	ng	0.00
42) 2,4,6-Tribromophenol	10.66	330	265854	100.08	ng	0.00
45) 2-Fluorobiphenyl	9.19	172	1394713	82.54	ng	0.00
79) Terphenyl-d14	12.94	244	1202829	75.44	ng	0.00

Target Compounds

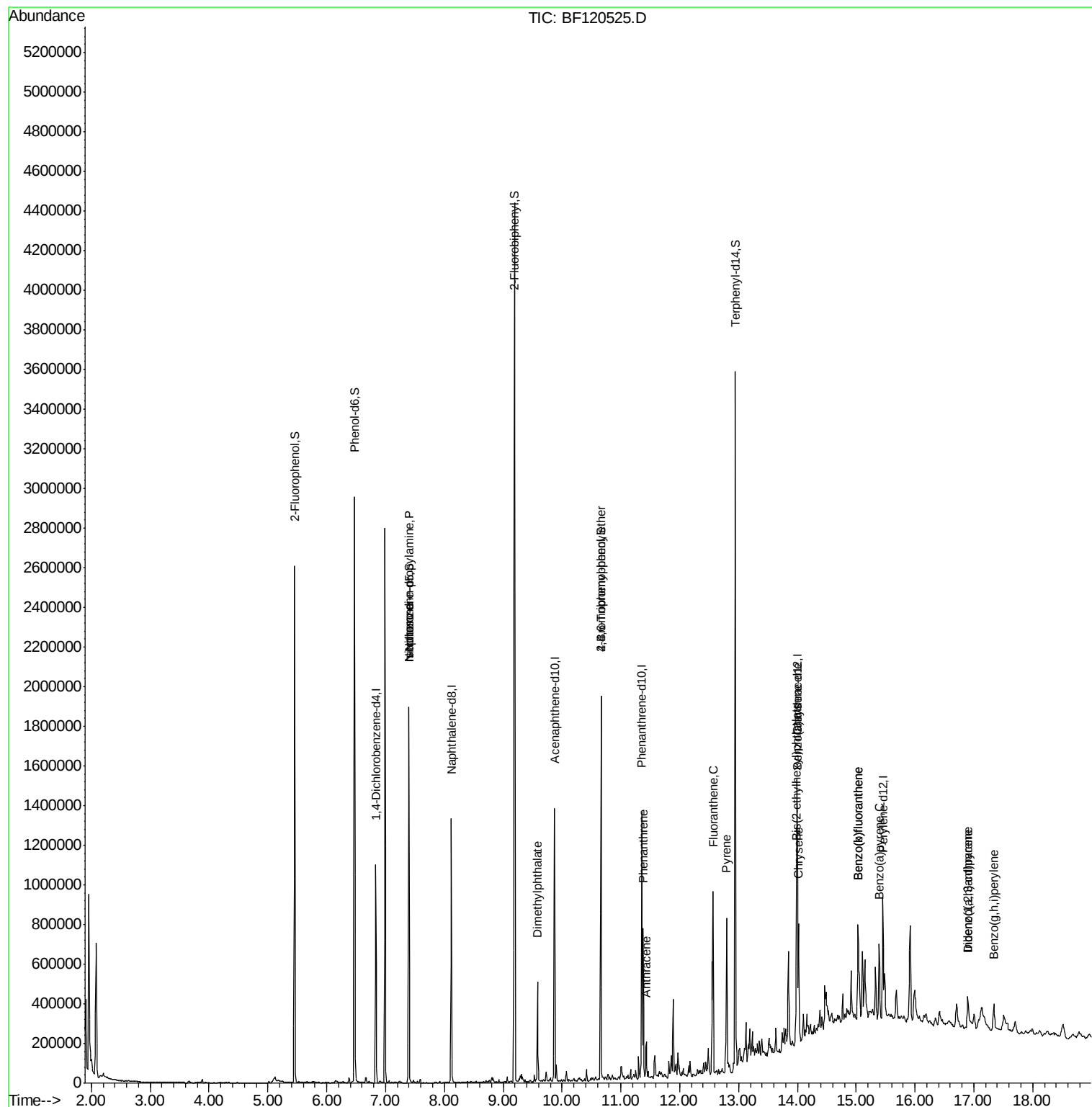
						Qvalue
19) n-Nitroso-di-n-propylamine	7.40	70	77519	12.717	ng	# 78
25) Isophorone	7.40	82	570511	34.493	ng	# 64
50) Dimethylphthalate	9.59	163	199485	11.130	ng	99
67) 4-Bromophenyl-phenylether	10.66	248	16073	3.545	ng	# 1
71) Phenanthrene	11.38	178	242013	12.229	ng	98
72) Anthracene	11.43	178	67055	3.377	ng	97
75) Fluoranthene	12.57	202	367934	17.278	ng	99
78) Pyrene	12.80	202	333185	13.503	ng	99
81) Benzo(a)anthracene	13.99	228	261281	13.740	ng	99
83) Chrysene	14.02	228	229439	11.509	ng	97
84) Bis(2-ethylhexyl)phthalate	13.98	149	26075	2.156	ng	# 98
87) Indeno(1,2,3-cd)pyrene	16.90	276	108196	6.944	ng	96
88) Benzo(b)fluoranthene	15.03	252	356894	22.554	ng	99
89) Benzo(k)fluoranthene	15.03	252	356894	24.159	ng	98
90) Benzo(a)pyrene	15.39	252	178951	12.929	ng	99
91) Dibenzo(a,h)anthracene	16.91	278	28829	2.269	ng	# 84
92) Benzo(a,h,i)perylene	17.34	276	107516	8.581	ng	98

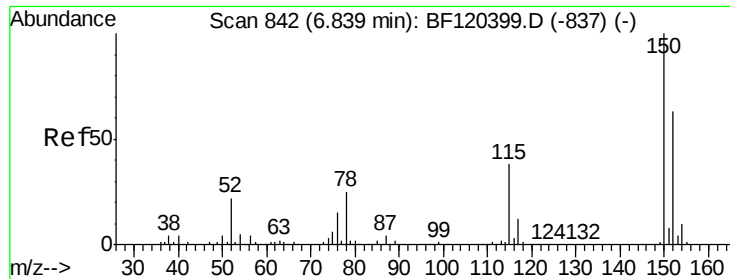
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF060320\
Data File : BF120525.D
Acq On : 3 Jun 2020 22:27
Operator : JU/CG
Sample : L2839-03
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
NM5-COMP-2020-0-6

Quant Time: Jun 04 00:44:03 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

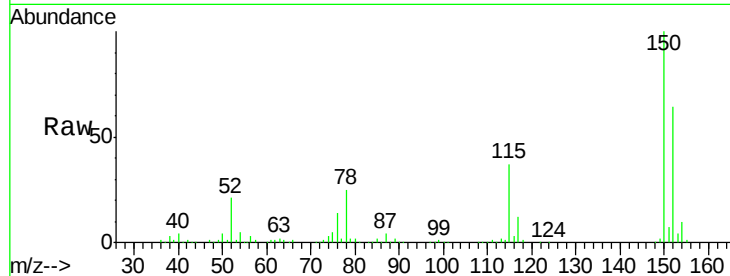




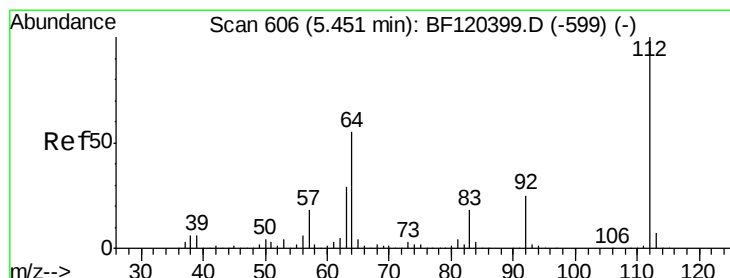
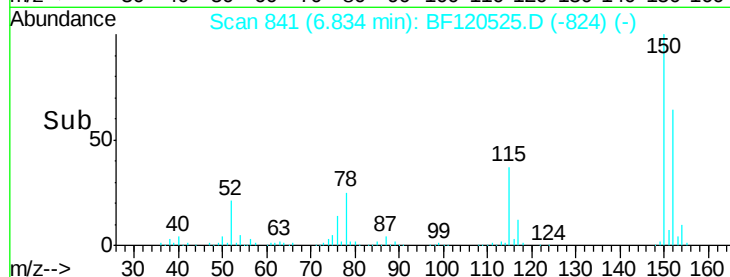
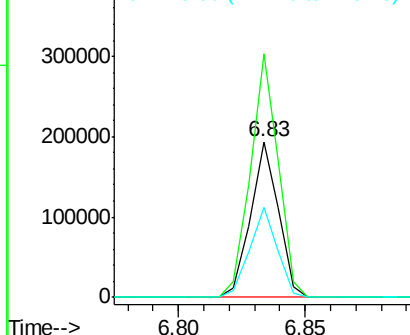
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.83 min Scan# 841
 Delta R.T. 0.00 min
 Lab File: BF120525.D
 Acq: 3 Jun 2020 22:27

Instrument :
 BNA_F
 ClientSampleId :
 NM5-COMP-2020-0-6

Tot Ion:152 Resp: 148264
 Ion Ratio Lower Upper
 152 100
 150 156.5 127.1 190.7
 115 58.2 48.7 73.1

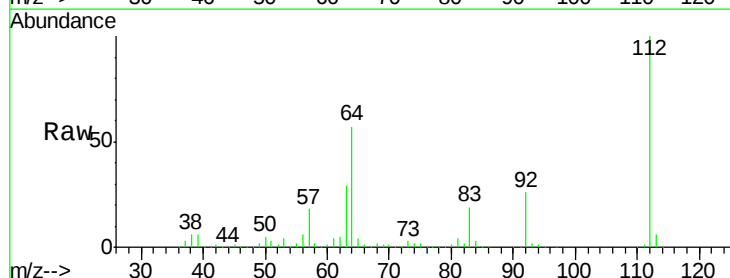


Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E

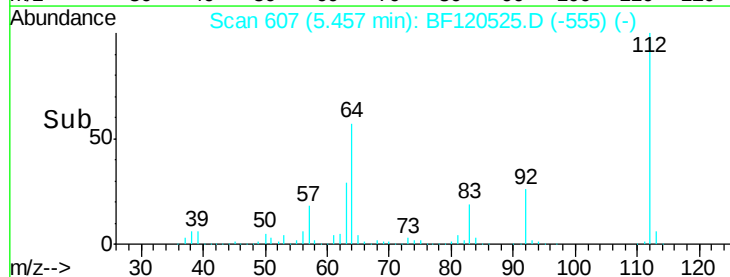
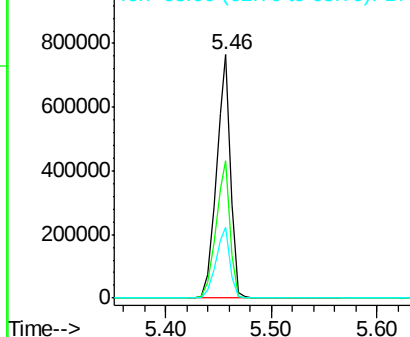


#5
 2-Fluorophenol
 Concen: 92.292 ng
 RT: 5.46 min Scan# 607
 Delta R.T. 0.01 min
 Lab File: BF120525.D
 Acq: 3 Jun 2020 22:27

Tgt Ion:112 Resp: 718018
 Ion Ratio Lower Upper
 112 100
 64 56.6 45.8 68.8
 63 29.2 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: 112.634 ng

RT: 6.47 min Scan# 780

Delta R.T. 0.00 min

Lab File: BF120525.D

Acq: 3 Jun 2020 22:27

Instrument :

BNA_F

ClientSampleId :

NM5-COMP-2020-0-6

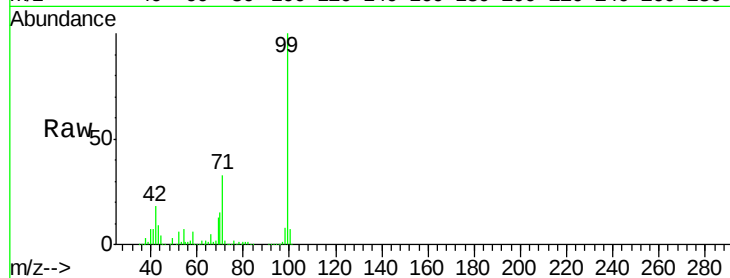
Tot Ion: 99 Resp: 1080067

Ion Ratio Lower Upper

99 100

42 18.3 15.0 22.4

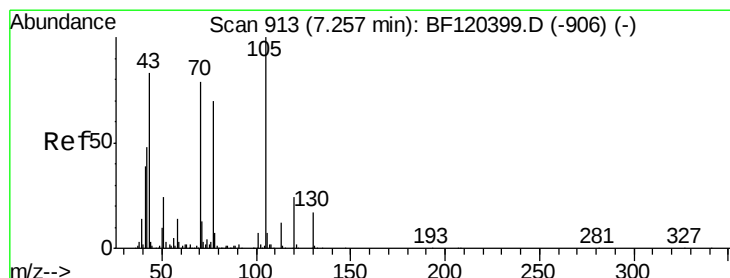
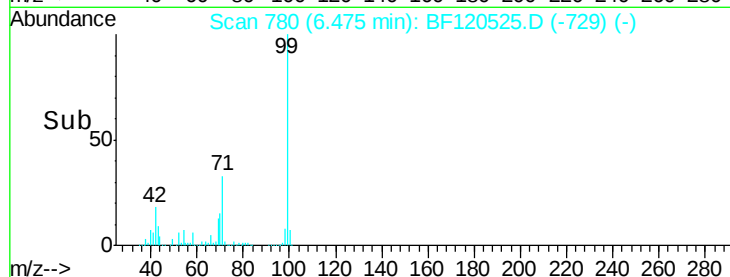
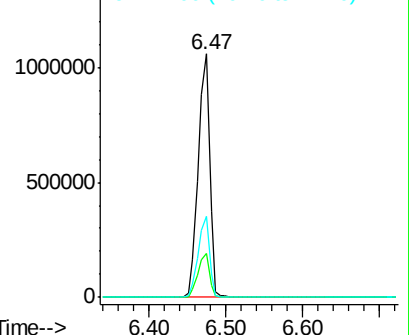
71 33.3 26.3 39.5



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: 12.717 ng

RT: 7.40 min Scan# 937

Delta R.T. 0.14 min

Lab File: BF120525.D

Acq: 3 Jun 2020 22:27

Tgt Ion: 70 Resp: 77519

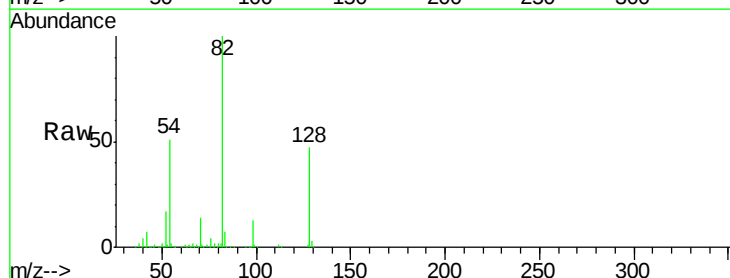
Ion Ratio Lower Upper

70 100

42 48.1 47.6 71.4

101 0.0 7.4 11.0#

130 2.2 17.1 25.7#

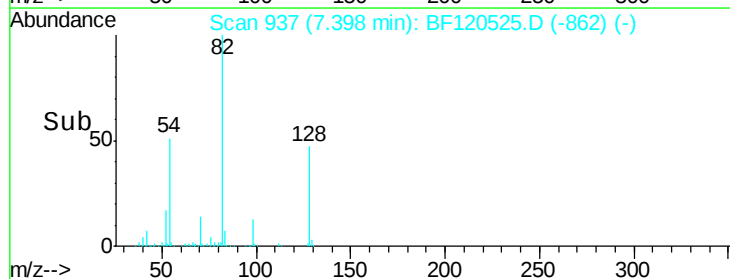
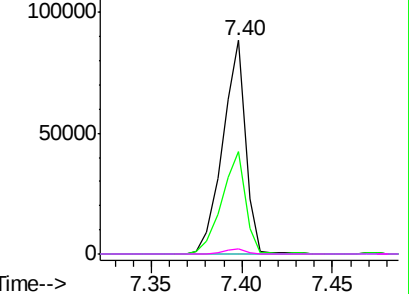


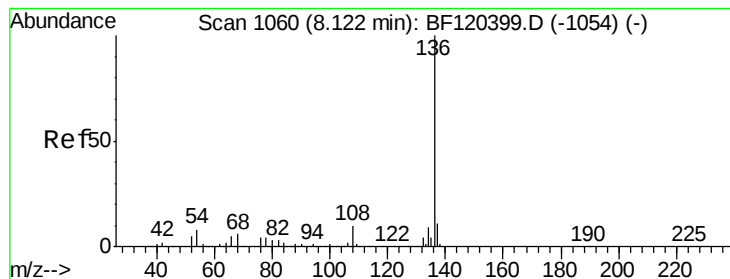
Abundance Ion 70.00 (69.70 to 70.70): BF1

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# 1059

Delta R.T. -0.01 min

Lab File: BF120525.D

Acq: 3 Jun 2020 22:27

Instrument :

BNA_F

ClientSampleId :

NM5-COMP-2020-0-6

Tot Ion:136 Resp: 538315

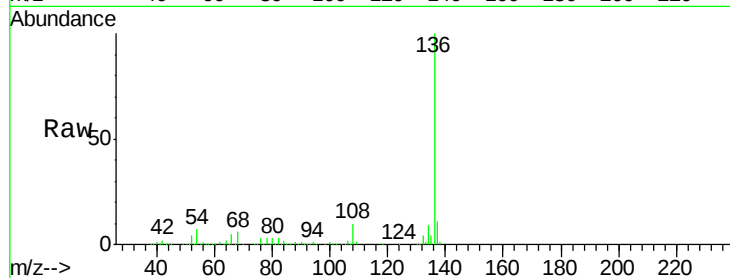
Ion Ratio Lower Upper

136 100

137 11.0 9.0 13.4

54 7.3 6.0 9.0

68 5.5 4.8 7.2

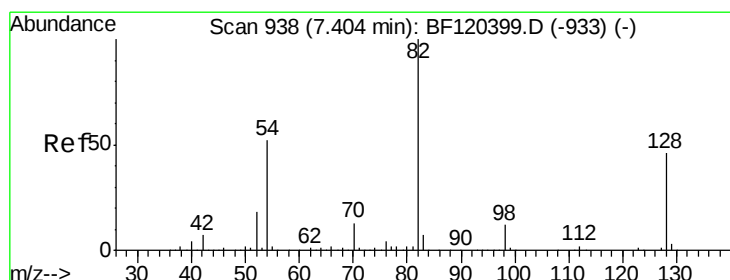
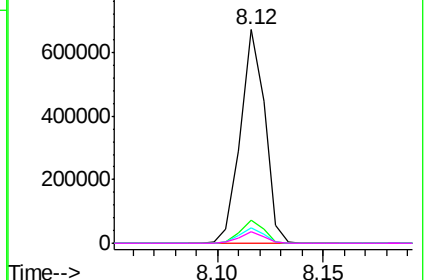
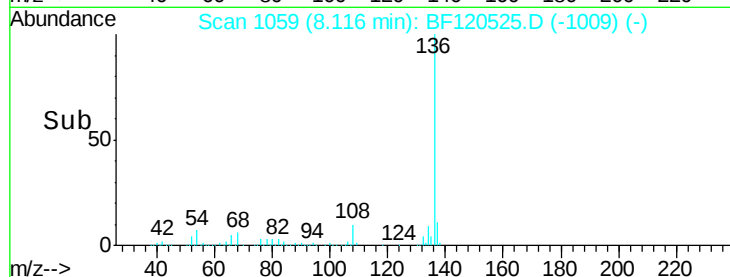


Abundance Ion 136.00 (135.70 to 136.70): E

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: 69.688 ng

RT: 7.40 min Scan# 937

Delta R.T. -0.01 min

Lab File: BF120525.D

Acq: 3 Jun 2020 22:27

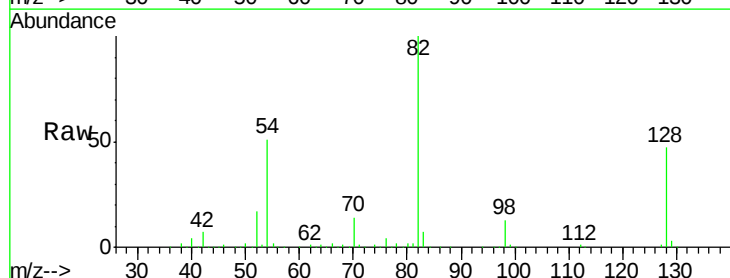
Tgt Ion: 82 Resp: 573498

Ion Ratio Lower Upper

82 100

128 46.9 37.4 56.0

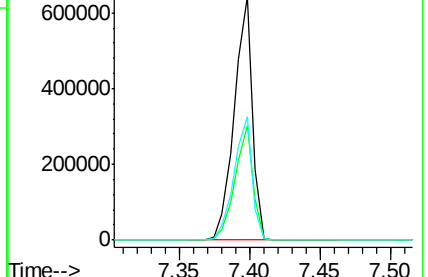
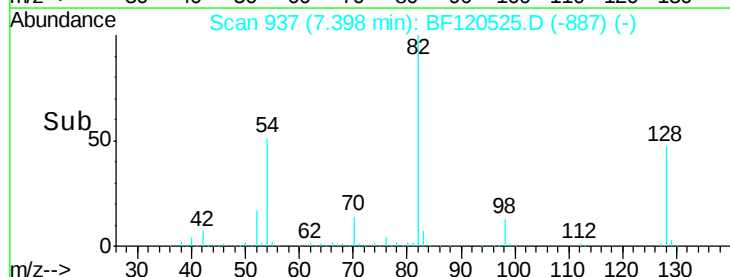
54 50.8 40.7 61.1



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: 34.493 ng

RT: 7.40 min Scan# 937

Delta R.T. -0.26 min

Lab File: BF120525.D

Acq: 3 Jun 2020 22:27

Instrument :

BNA_F

ClientSampleId :

NM5-COMP-2020-0-6

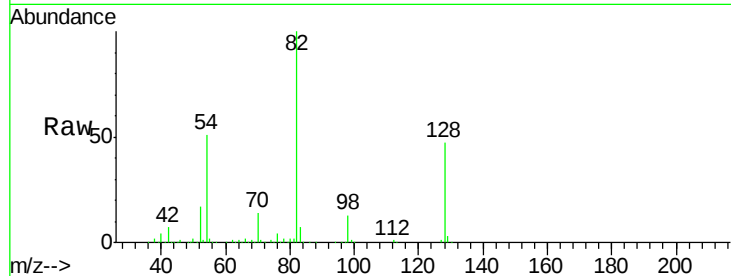
Tot Ion: 82 Resp: 570511

Ion Ratio Lower Upper

82 100

95 0.0 5.5 8.3#

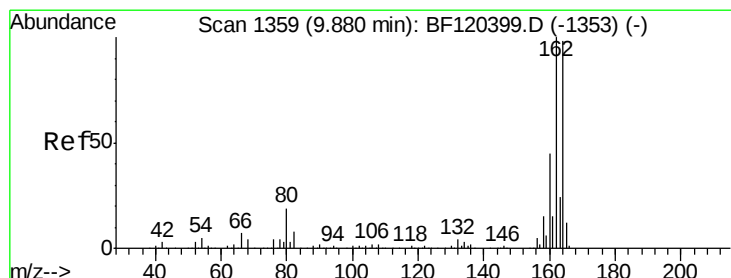
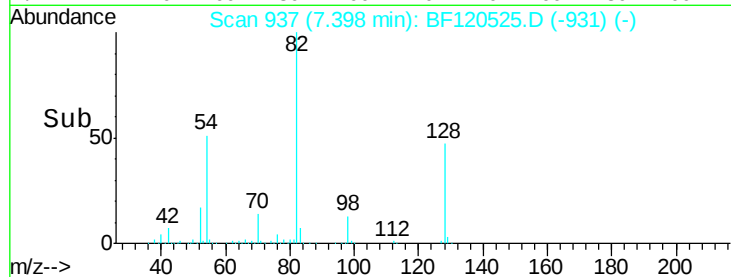
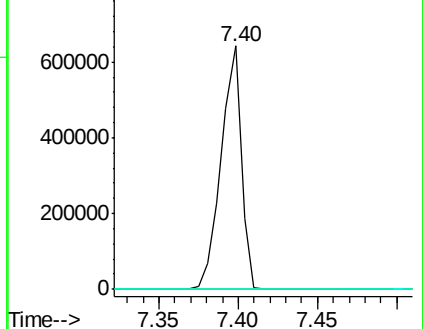
138 0.0 15.0 22.6#



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



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.87 min Scan# 1358

Delta R.T. -0.01 min

Lab File: BF120525.D

Acq: 3 Jun 2020 22:27

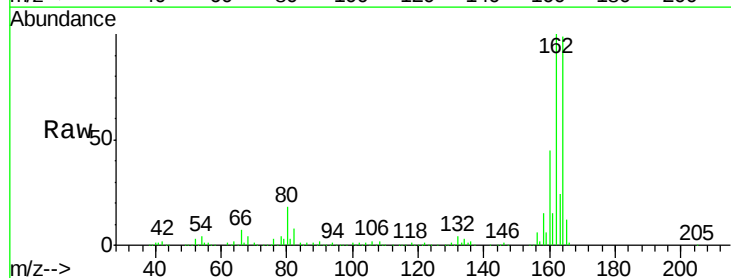
Tgt Ion:164 Resp: 286696

Ion Ratio Lower Upper

164 100

162 100.6 81.8 122.6

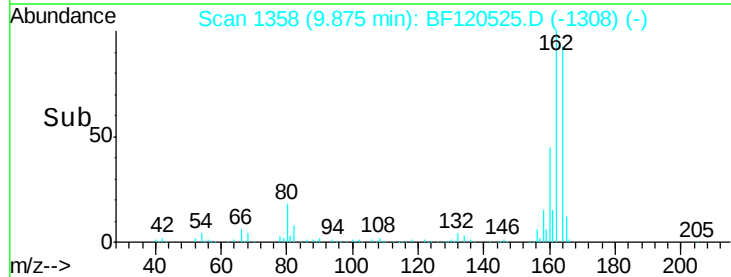
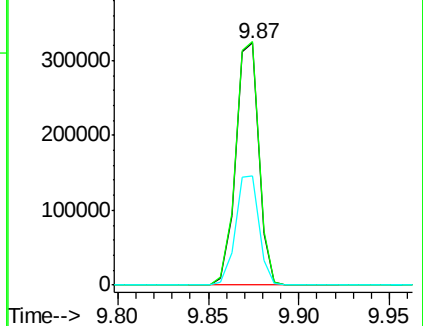
160 45.0 37.3 55.9

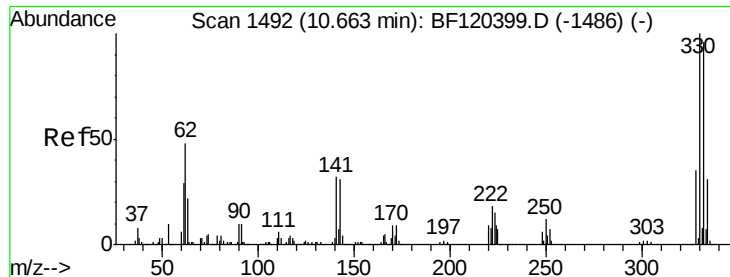


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

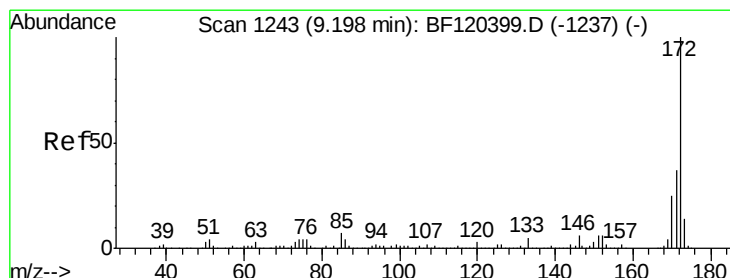
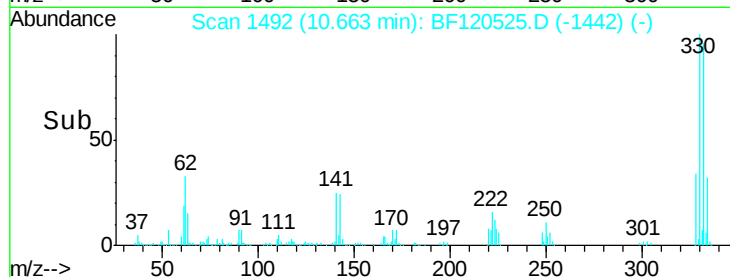
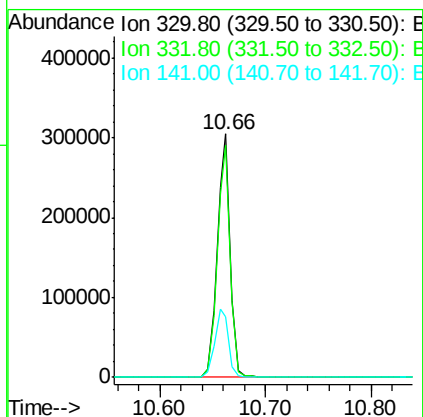
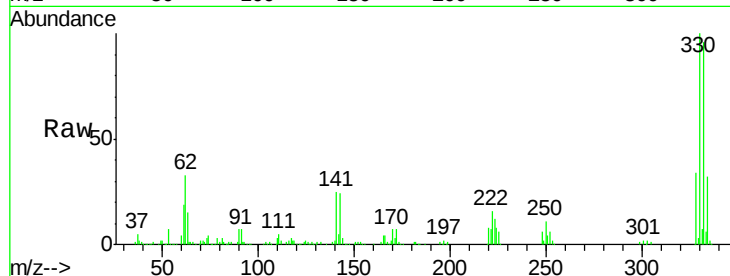




#42
 2,4,6-Tribromophenol
 Concen: 100.082 ng
 RT: 10.66 min Scan# 1492
 Delta R.T. -0.01 min
 Lab File: BF120525.D
 Acq: 3 Jun 2020 22:27

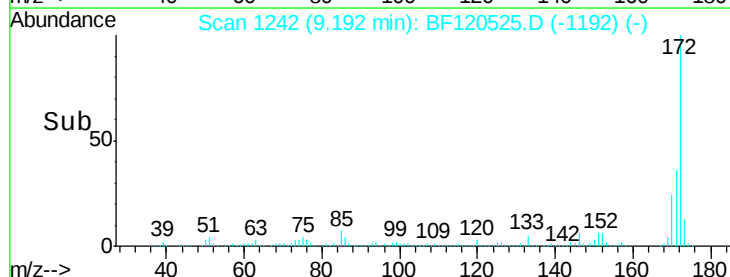
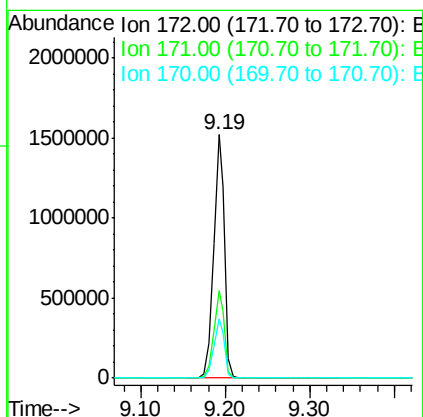
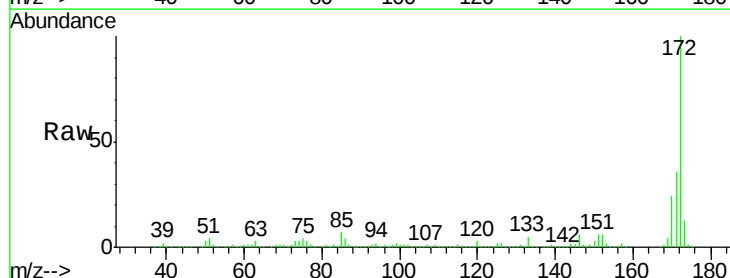
Instrument :
 BNA_F
 ClientSampleId :
 NM5-COMP-2020-0-6

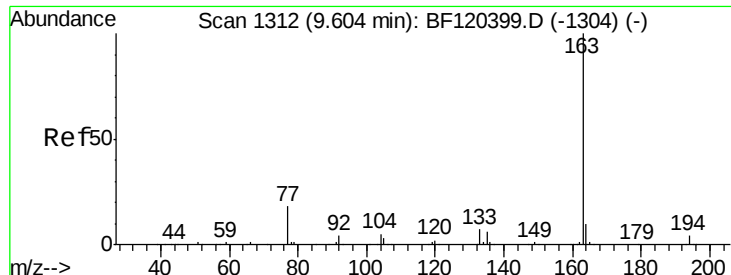
Tot Ion:330 Resp: 265854
 Ion Ratio Lower Upper
 330 100
 332 96.1 77.4 116.2
 141 30.0 23.5 35.3



#45
 2-Fluorobiphenyl
 Concen: 82.540 ng
 RT: 9.19 min Scan# 1242
 Delta R.T. -0.01 min
 Lab File: BF120525.D
 Acq: 3 Jun 2020 22:27

Tgt Ion:172 Resp: 1394713
 Ion Ratio Lower Upper
 172 100
 171 36.2 29.2 43.8
 170 24.2 20.1 30.1

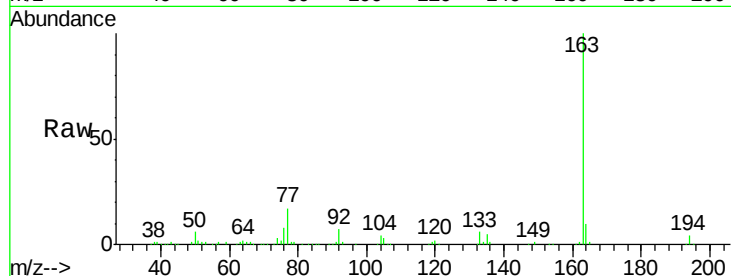




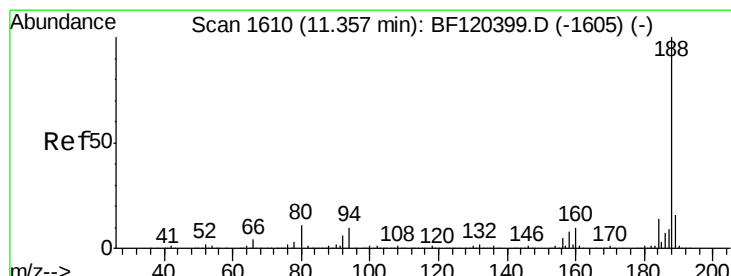
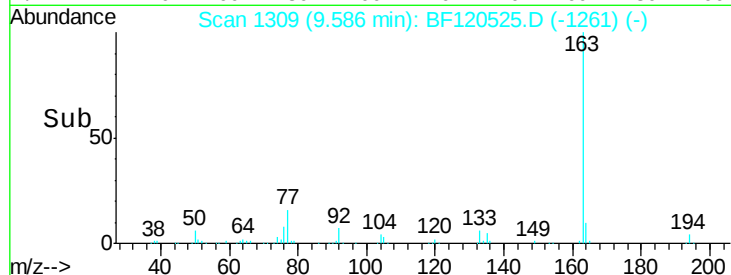
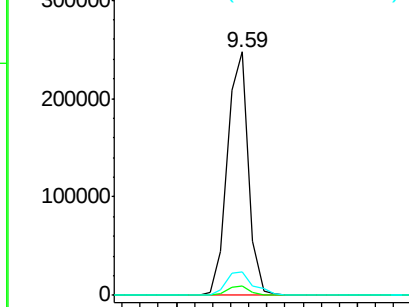
#50
Dimethylphthalate
Concen: 11.130 ng
RT: 9.59 min Scan# 1309
Delta R.T. -0.02 min
Lab File: BF120525.D
Acq: 3 Jun 2020 22:27

Instrument :
BNA_F
ClientSampleId :
NM5-COMP-2020-0-6

Tot Ion:163 Resp: 199485
Ion Ratio Lower Upper
163 100
194 4.0 3.1 4.7
164 9.6 8.2 12.4

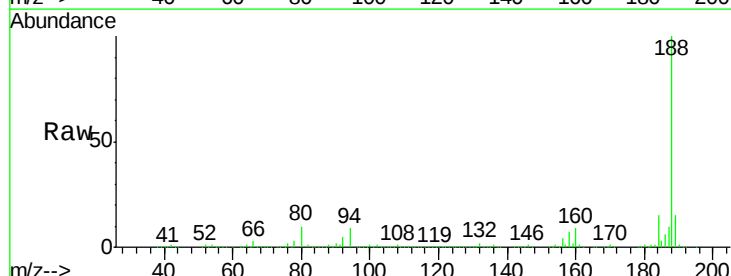


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

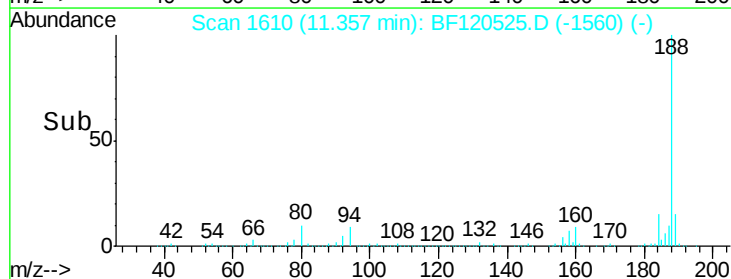
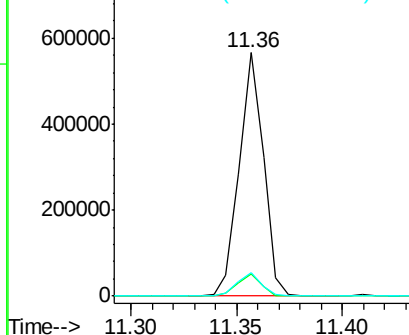


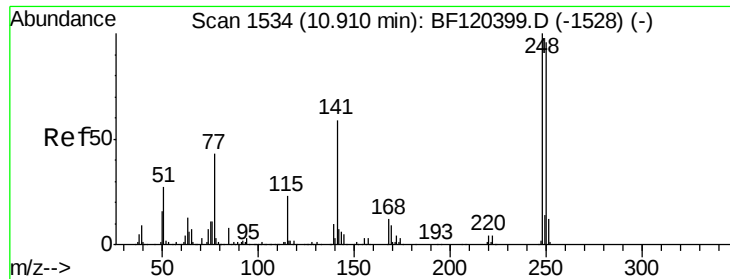
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.36 min Scan# 1610
Delta R.T. -0.01 min
Lab File: BF120525.D
Acq: 3 Jun 2020 22:27

Tgt Ion:188 Resp: 449137
Ion Ratio Lower Upper
188 100
94 9.1 7.5 11.3
80 9.6 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

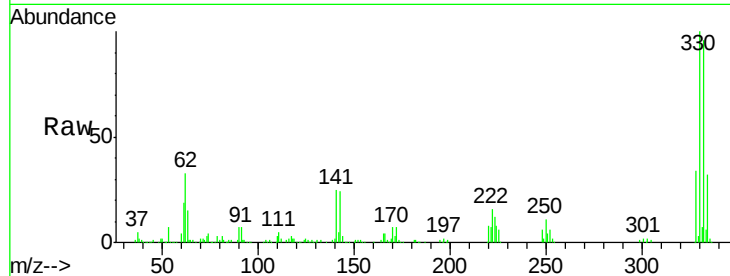




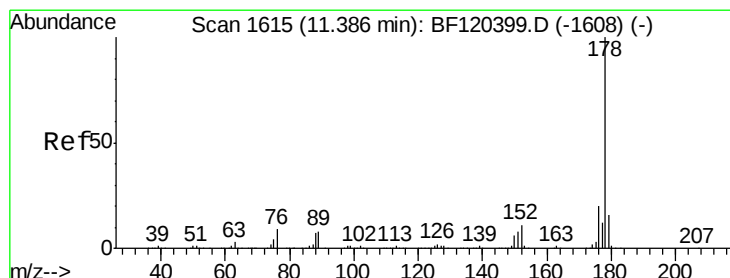
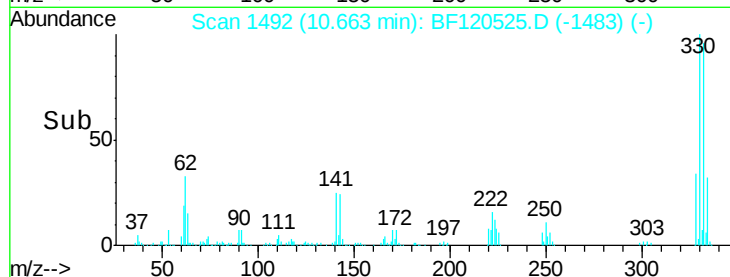
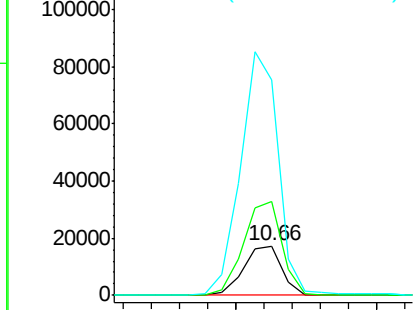
#67
 4-Bromophenyl-phenylether
 Concen: 3.545 ng
 RT: 10.66 min Scan# 1492
 Delta R.T. -0.25 min
 Lab File: BF120525.D
 Acq: 3 Jun 2020 22:27

Instrument :
 BNA_F
 ClientSampleId :
 NM5-COMP-2020-0-6

Tot Ion:248 Resp: 16073
 Ion Ratio Lower Upper
 248 100
 250 192.4 78.0 117.0#
 141 439.2 50.3 75.5#

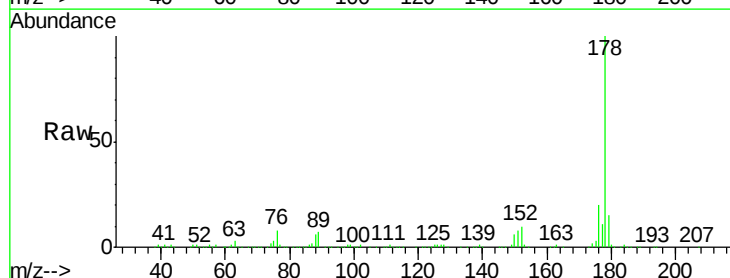


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

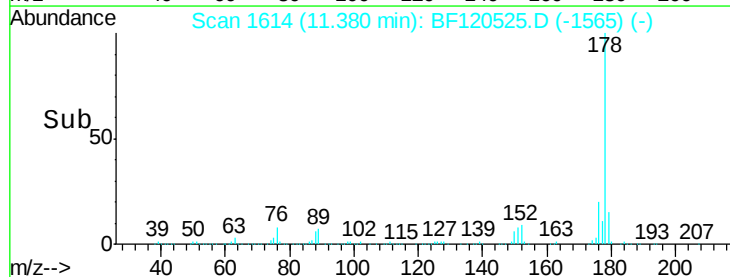
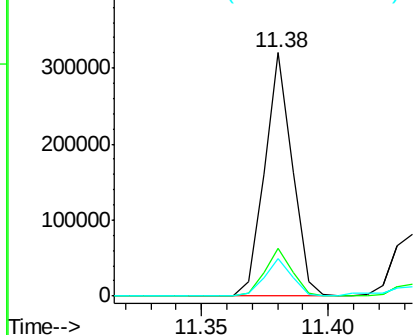


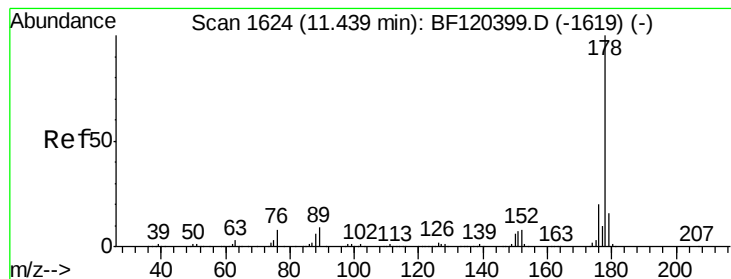
#71
 Phenanthrene
 Concen: 12.229 ng
 RT: 11.38 min Scan# 1614
 Delta R.T. -0.01 min
 Lab File: BF120525.D
 Acq: 3 Jun 2020 22:27

Tgt Ion:178 Resp: 242013
 Ion Ratio Lower Upper
 178 100
 176 19.9 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: 3.377 ng

RT: 11.43 min Scan# 1623

Delta R.T. -0.01 min

Lab File: BF120525.D

Acq: 3 Jun 2020 22:27

Instrument :

BNA_F

ClientSampleId :

NM5-COMP-2020-0-6

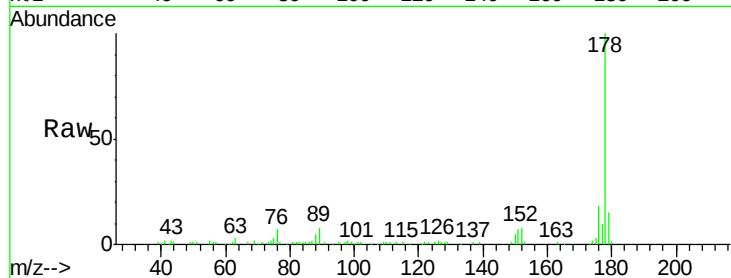
Tot Ion:178 Resp: 67055

Ion Ratio Lower Upper

178 100

176 18.3 15.7 23.5

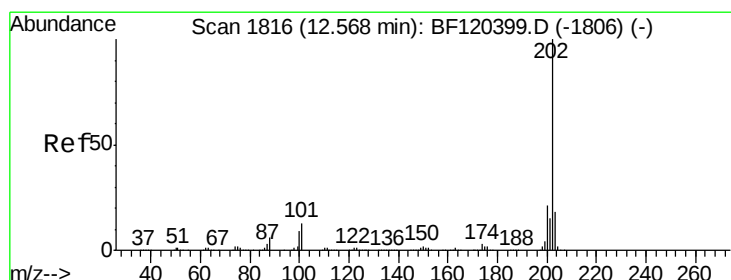
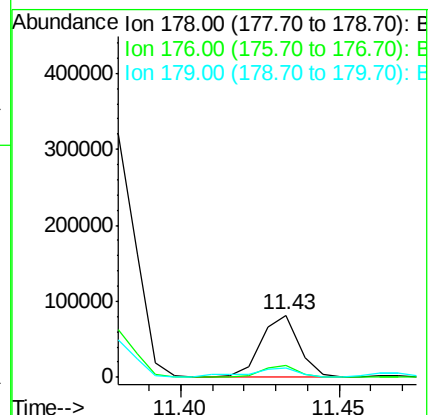
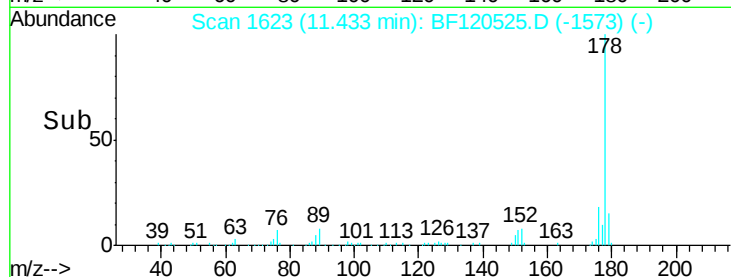
179 15.1 13.1 19.7



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: 17.278 ng

RT: 12.57 min Scan# 1816

Delta R.T. -0.01 min

Lab File: BF120525.D

Acq: 3 Jun 2020 22:27

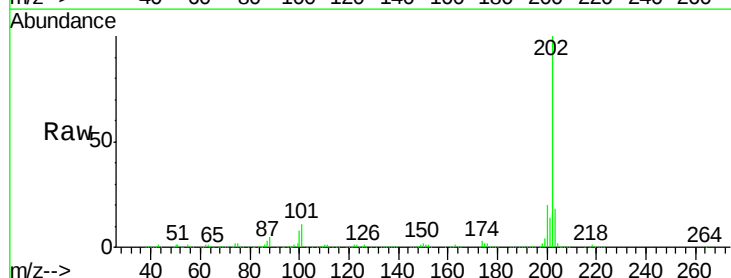
Tgt Ion:202 Resp: 367934

Ion Ratio Lower Upper

202 100

101 10.9 0.0 30.4

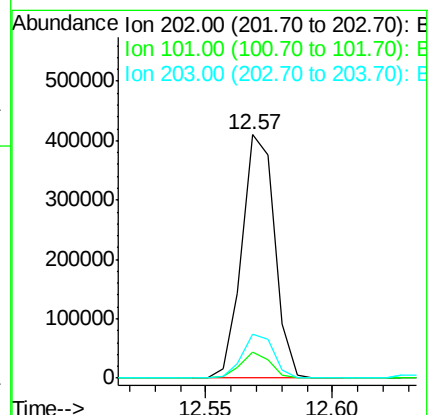
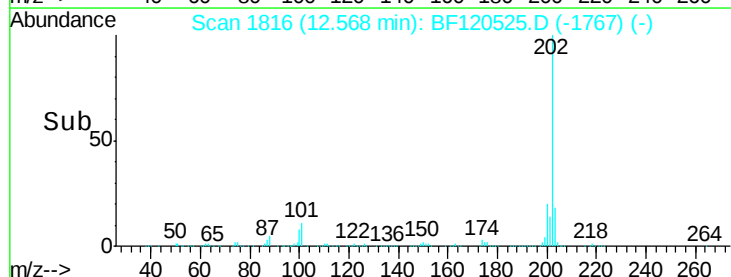
203 17.9 0.0 38.2

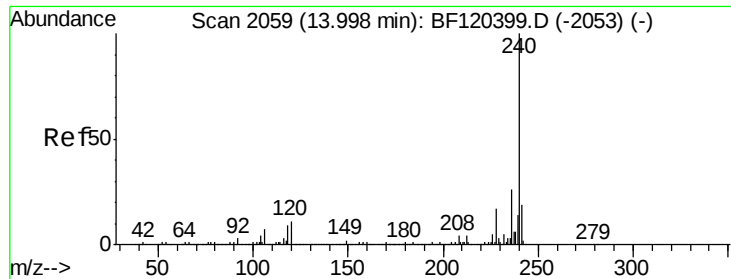


Abundance Ion 202.00 (201.70 to 202.70): E

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: BF120525.D

Acq: 3 Jun 2020 22:27

Instrument :

BNA_F

ClientSampleId :

NM5-COMP-2020-0-6

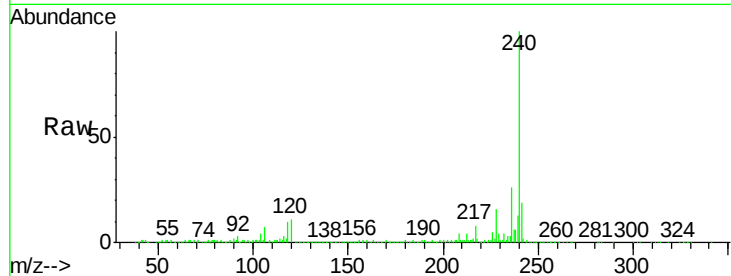
Tot Ion:240 Resp: 354818

Ion Ratio Lower Upper

240 100

120 10.8 7.9 11.9

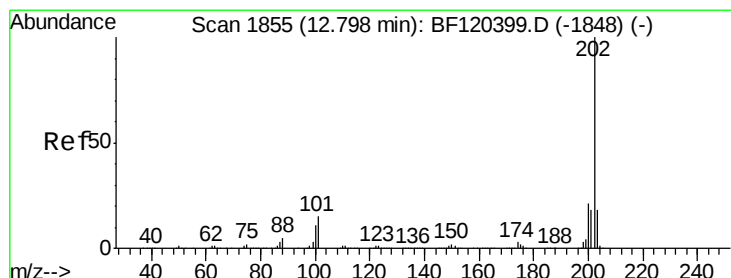
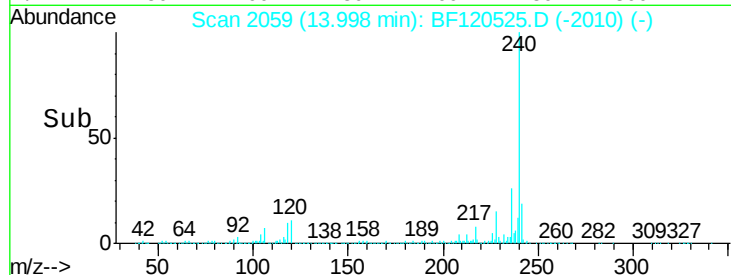
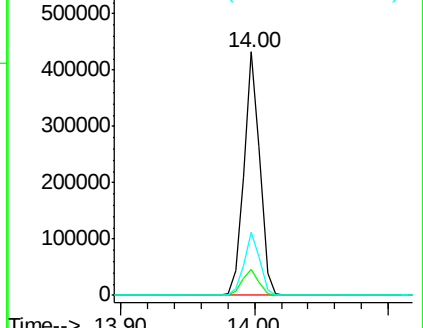
236 25.8 21.1 31.7



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

Pyrene

Concen: 13.503 ng

RT: 12.80 min Scan# 1855

Delta R.T. -0.01 min

Lab File: BF120525.D

Acq: 3 Jun 2020 22:27

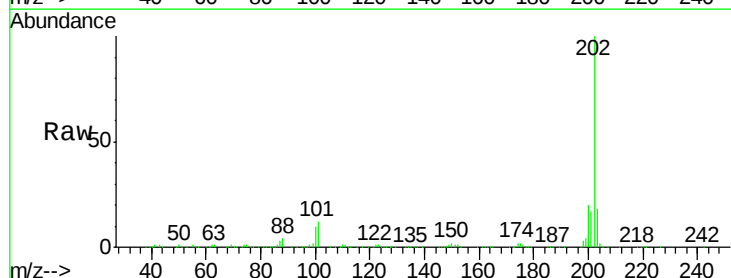
Tgt Ion:202 Resp: 333185

Ion Ratio Lower Upper

202 100

200 20.4 17.3 25.9

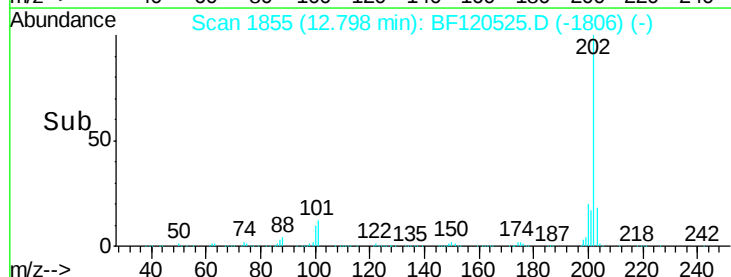
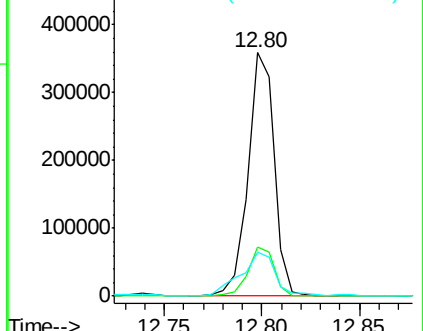
203 18.1 14.5 21.7

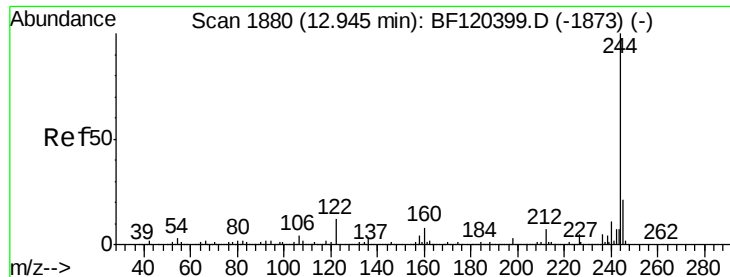


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#79

Terphenyl-d14

Concen: 75.435 ng

RT: 12.94 min Scan# 1880

Delta R.T. -0.01 min

Lab File: BF120525.D

Acq: 3 Jun 2020 22:27

Instrument :

BNA_F

ClientSampleId :

NM5-COMP-2020-0-6

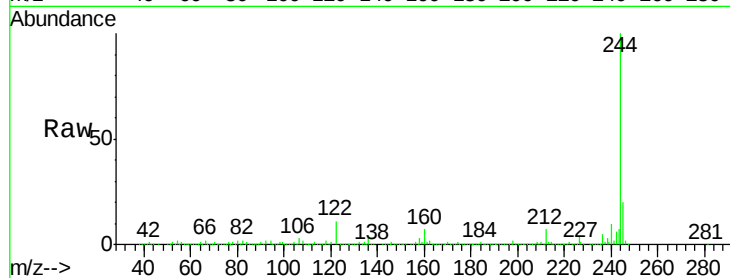
Tot Ion:244 Resp: 1202829

Ion Ratio Lower Upper

244 100

212 6.7 5.8 8.8

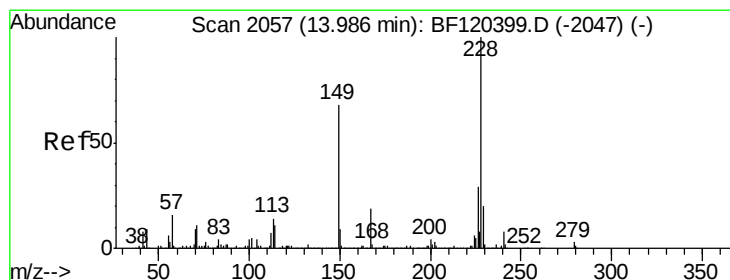
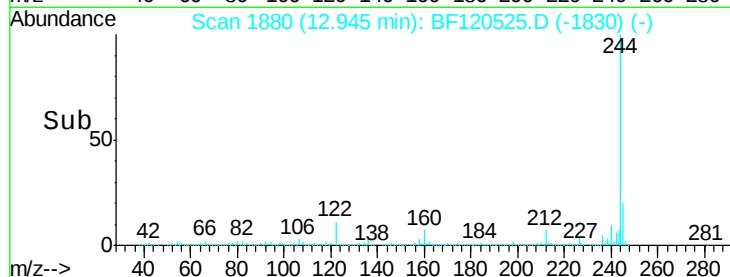
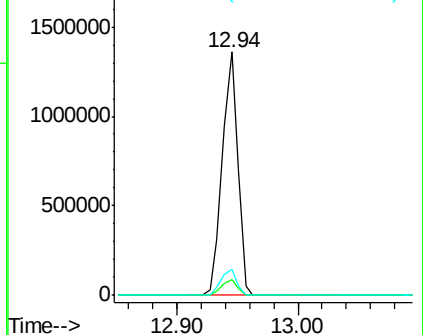
122 10.8 8.2 12.4



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: 13.740 ng

RT: 13.99 min Scan# 2057

Delta R.T. -0.01 min

Lab File: BF120525.D

Acq: 3 Jun 2020 22:27

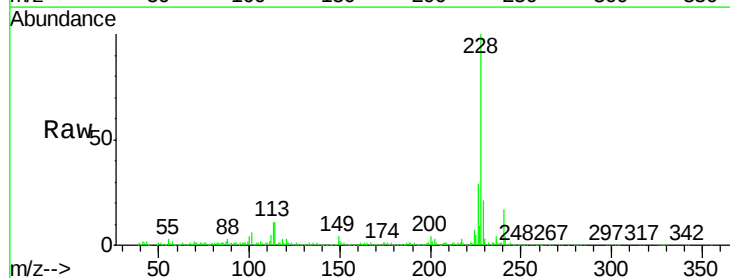
Tgt Ion:228 Resp: 261281

Ion Ratio Lower Upper

228 100

226 28.8 22.7 34.1

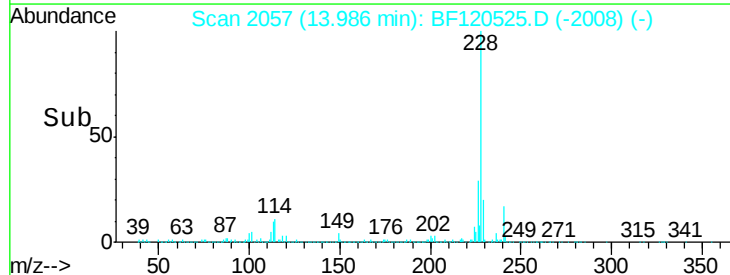
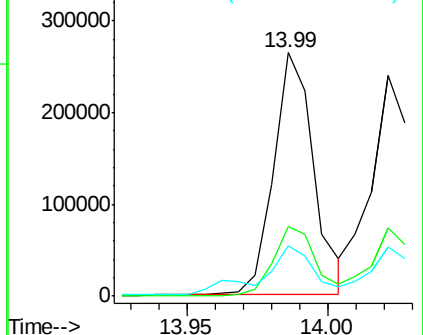
229 20.8 16.3 24.5

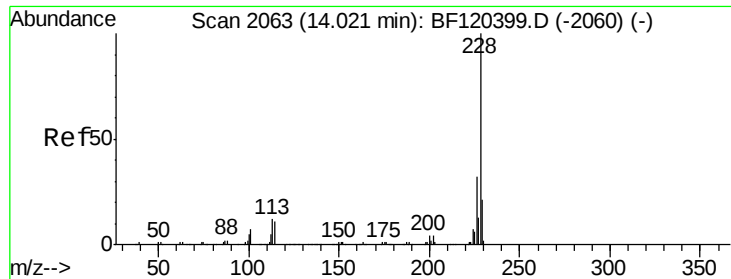


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#83

Chrysene

Concen: 11.509 ng

RT: 14.02 min Scan# 2063

Delta R.T. -0.02 min

Lab File: BF120525.D

Acq: 3 Jun 2020 22:27

Instrument :

BNA_F

ClientSampleId :

NM5-COMP-2020-0-6

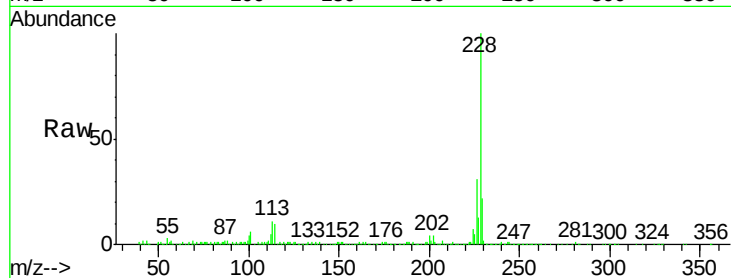
Tot Ion:228 Resp: 229439

Ion Ratio Lower Upper

228 100

226 30.7 25.2 37.8

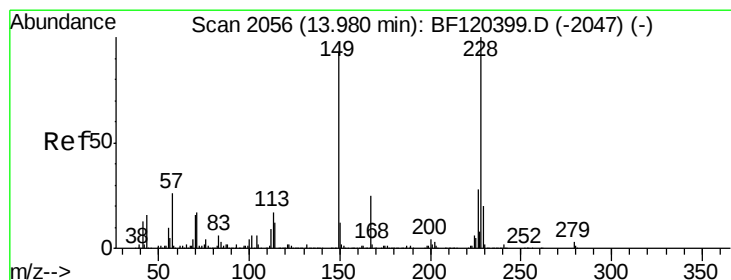
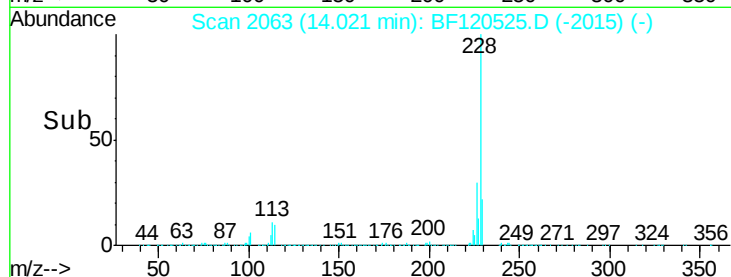
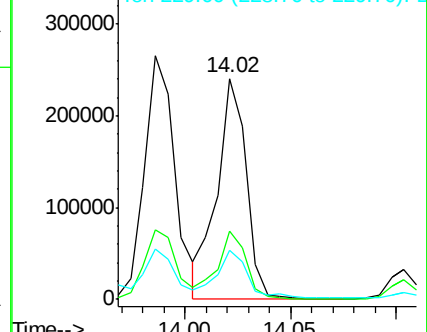
229 22.2 16.1 24.1



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



#84

Bis(2-ethylhexyl)phthalate

Concen: 2.156 ng

RT: 13.98 min Scan# 2056

Delta R.T. 0.00 min

Lab File: BF120525.D

Acq: 3 Jun 2020 22:27

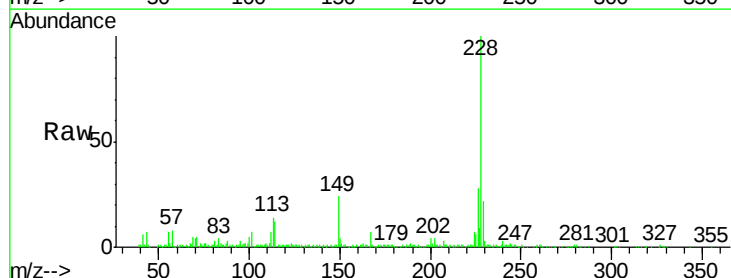
Tgt Ion:149 Resp: 26075

Ion Ratio Lower Upper

149 100

167 28.1 22.0 33.0

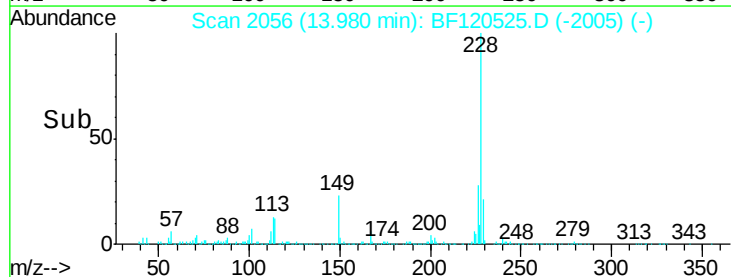
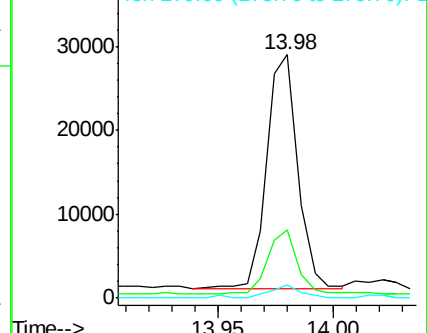
279 5.4 3.2 4.8#

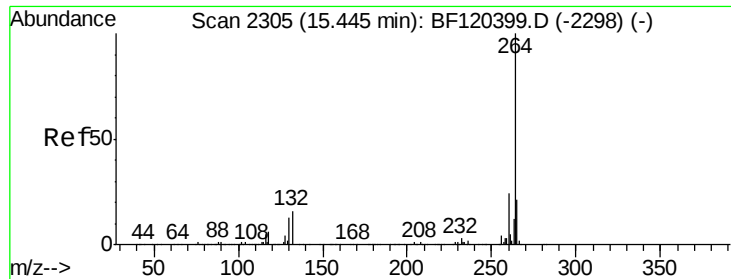


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E

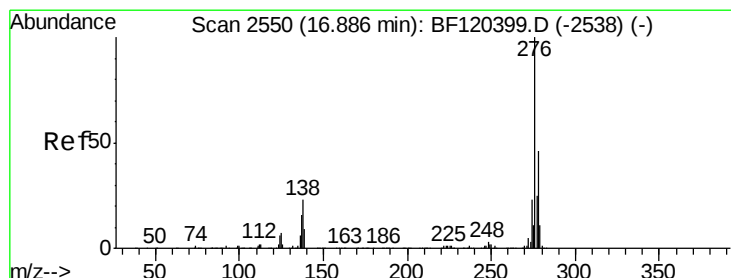
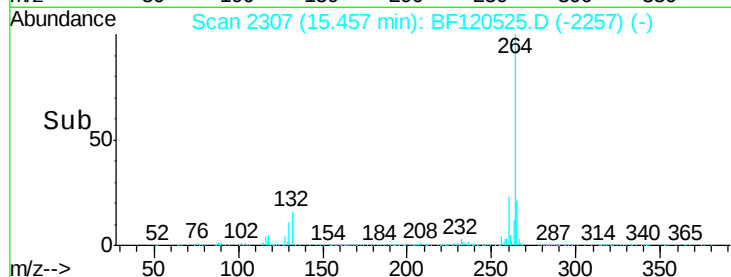
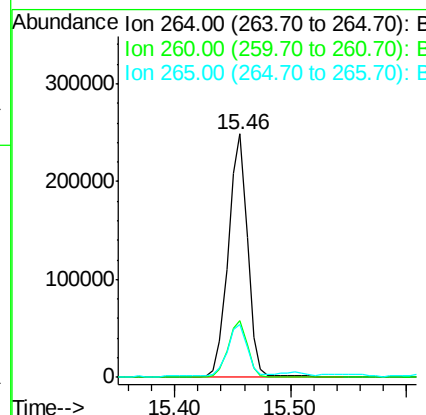
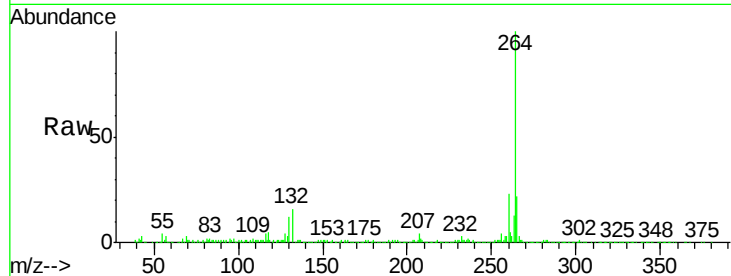




#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.46 min Scan# 2307
Delta R.T. -0.01 min
Lab File: BF120525.D
Acq: 3 Jun 2020 22:27

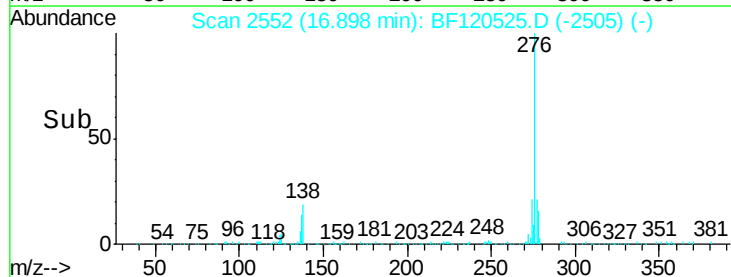
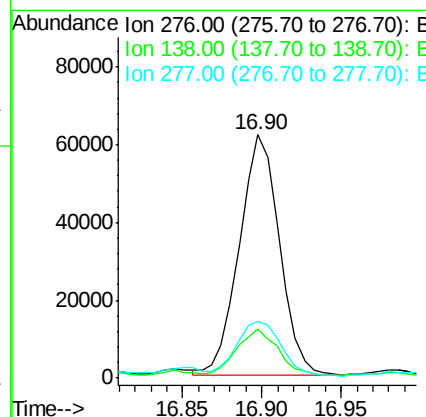
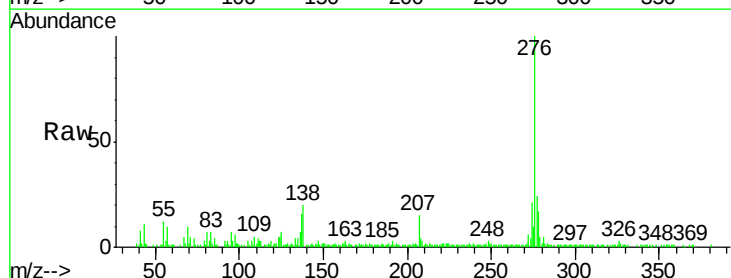
Instrument :
BNA_F
ClientSampleId :
NM5-COMP-2020-0-6

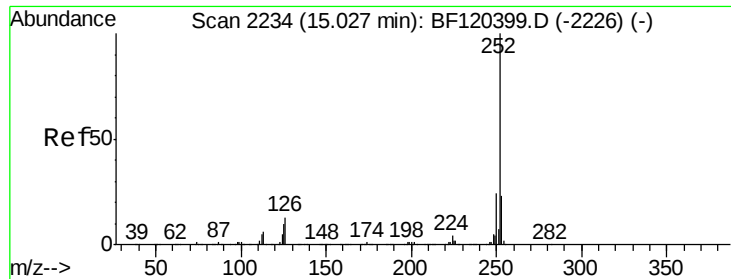
Tot Ion:264 Resp: 284896
Ion Ratio Lower Upper
264 100
260 23.2 19.8 29.8
265 21.7 17.5 26.3



#87
Indeno(1,2,3-cd)pyrene
Concen: 6.944 ng
RT: 16.90 min Scan# 2552
Delta R.T. -0.02 min
Lab File: BF120525.D
Acq: 3 Jun 2020 22:27

Tgt Ion:276 Resp: 108196
Ion Ratio Lower Upper
276 100
138 20.3 19.2 28.8
277 25.5 20.4 30.6

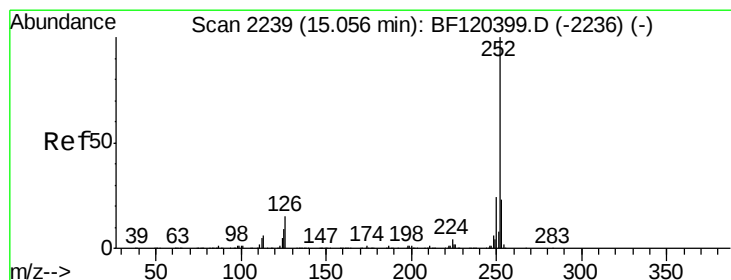
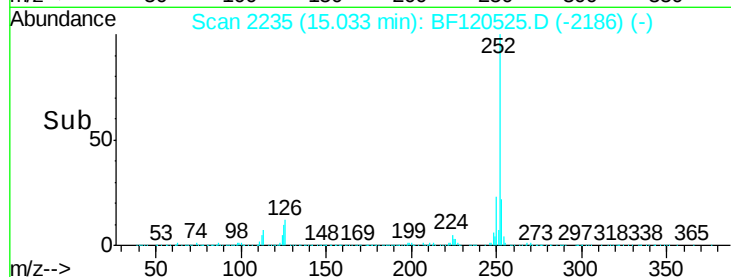
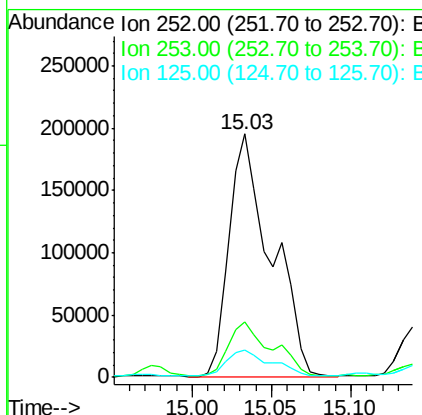
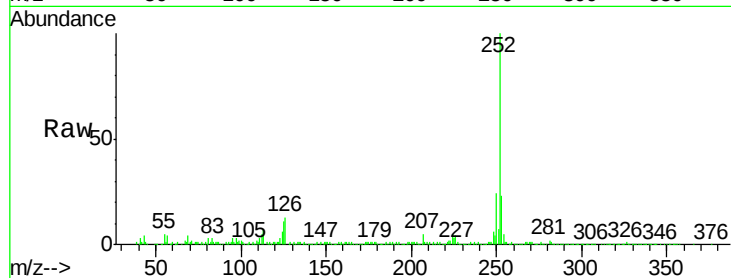




#88
Benzo(b)fluoranthene
Concen: 22.554 ng
RT: 15.03 min Scan# 2235
Delta R.T. -0.01 min
Lab File: BF120525.D
Acq: 3 Jun 2020 22:27

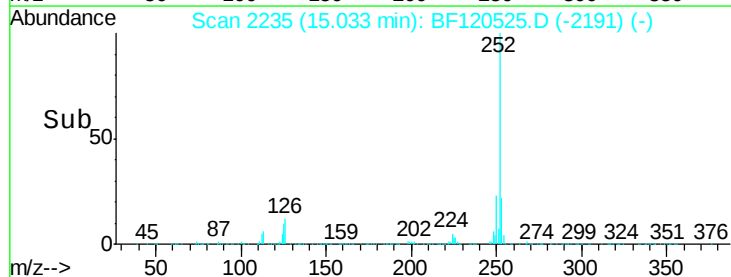
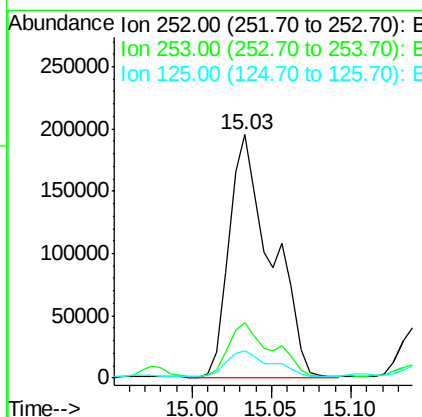
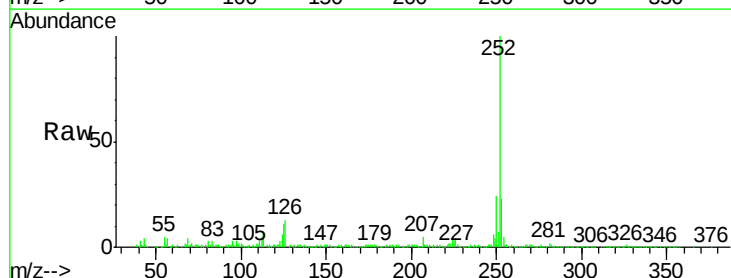
Instrument :
BNA_F
ClientSampleId :
NM5-COMP-2020-0-6

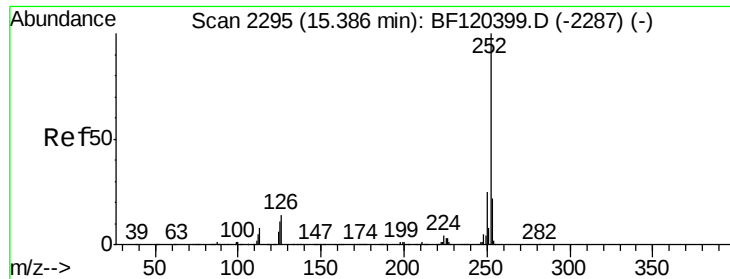
Tot Ion:252 Resp: 356894
Ion Ratio Lower Upper
252 100
253 22.6 18.2 27.2
125 11.0 7.6 11.4



#89
Benzo(k)fluoranthene
Concen: 24.159 ng
RT: 15.03 min Scan# 2235
Delta R.T. -0.04 min
Lab File: BF120525.D
Acq: 3 Jun 2020 22:27

Tgt Ion:252 Resp: 356894
Ion Ratio Lower Upper
252 100
253 22.6 17.6 26.4
125 11.0 7.5 11.3





#90

Benzo(a)pyrene

Concen: 12.929 ng

RT: 15.39 min Scan# 2296

Delta R.T. -0.01 min

Lab File: BF120525.D

Acq: 3 Jun 2020 22:27

Instrument :

BNA_F

ClientSampleId :

NM5-COMP-2020-0-6

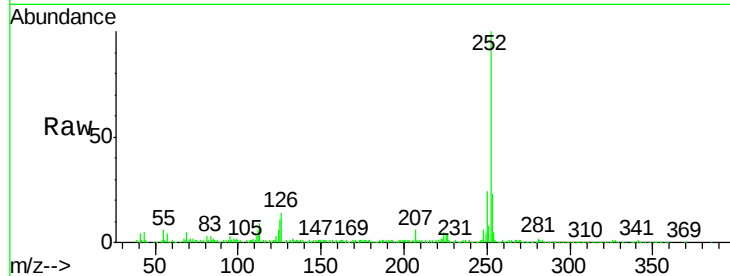
Tot Ion:252 Resp: 178951

Ion Ratio Lower Upper

252 100

253 23.2 18.0 27.0

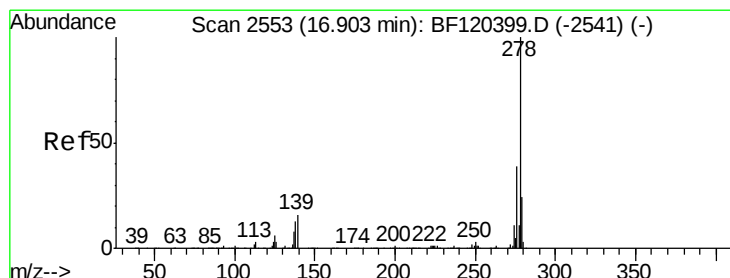
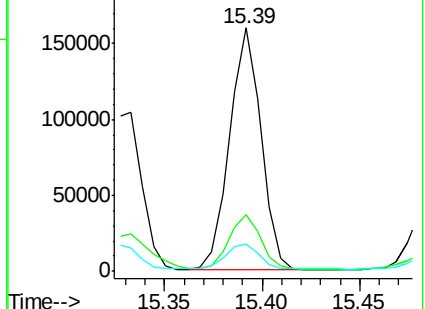
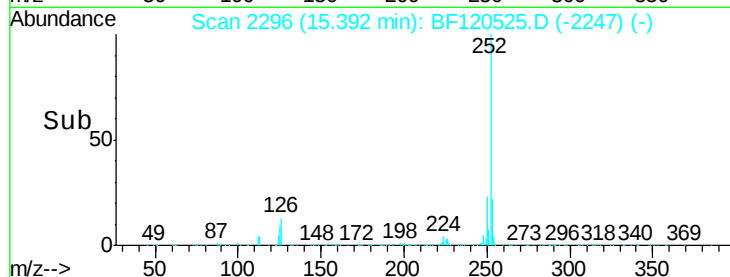
125 11.3 9.2 13.8



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: 2.269 ng

RT: 16.91 min Scan# 2554

Delta R.T. -0.04 min

Lab File: BF120525.D

Acq: 3 Jun 2020 22:27

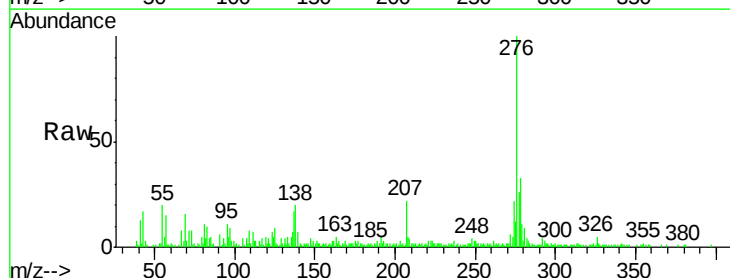
Tgt Ion:278 Resp: 28829

Ion Ratio Lower Upper

278 100

139 20.0 11.6 17.4#

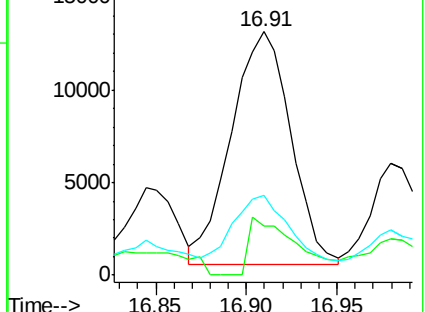
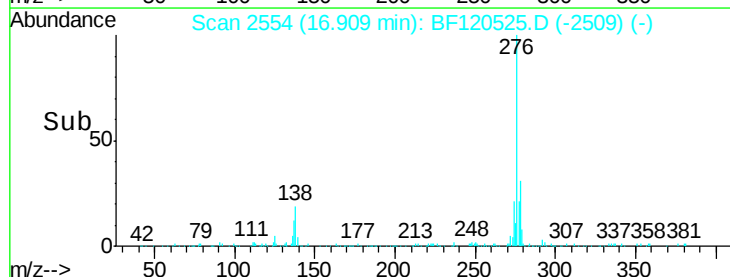
279 32.8 19.2 28.8#

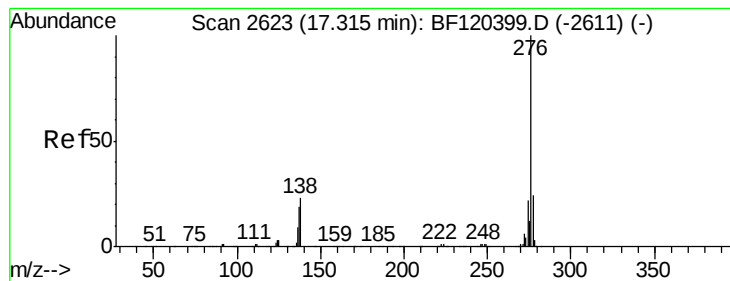


Abundance Ion 278.00 (277.70 to 278.70): E

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: 8.581 ng

RT: 17.34 min Scan# 2627

Delta R.T. -0.02 min

Lab File: BF120525.D

Acq: 3 Jun 2020 22:27

Instrument :

BNA_F

ClientSampleId :

NM5-COMP-2020-0-6

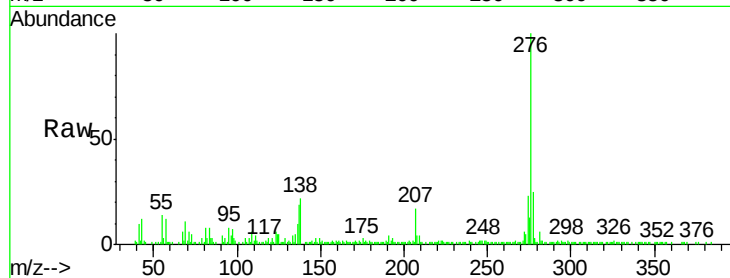
Tot Ion:276 Resp: 107516

Ion Ratio Lower Upper

276 100

277 24.8 19.4 29.2

138 22.2 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

