

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF112718\
 Data File : BF111017.D
 Acq On : 27 Nov 2018 18:42
 Operator : JU/SJ
 Sample : J6062-02
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 B-20(1-10)

Quant Time: Nov 28 00:58:59 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF112618.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Nov 27 15:32:10 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.94	152	40551	20.00	ng	0.00
21) Naphthalene-d8	8.22	136	141779	20.00	ng	0.00
39) Acenaphthene-d10	9.98	164	60296	20.00	ng	0.00
64) Phenanthrene-d10	11.48	188	121813	20.00	ng	0.00
76) Chrysene-d12	14.14	240	92859	20.00	ng	0.00
87) Perylene-d12	15.67	264	61963	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.56	112	265080	108.40	ng	0.01
7) Phenol-d6	6.57	99	313523	98.39	ng	0.00
23) Nitrobenzene-d5	7.50	82	181933	73.44	ng	0.00
42) 2,4,6-Tribromophenol	10.78	330	63501	106.04	ng	0.00
45) 2-Fluorobiphenyl	9.29	172	287771	69.14	ng	0.00
79) Terphenyl-d14	13.06	244	312578	65.53	ng	0.00

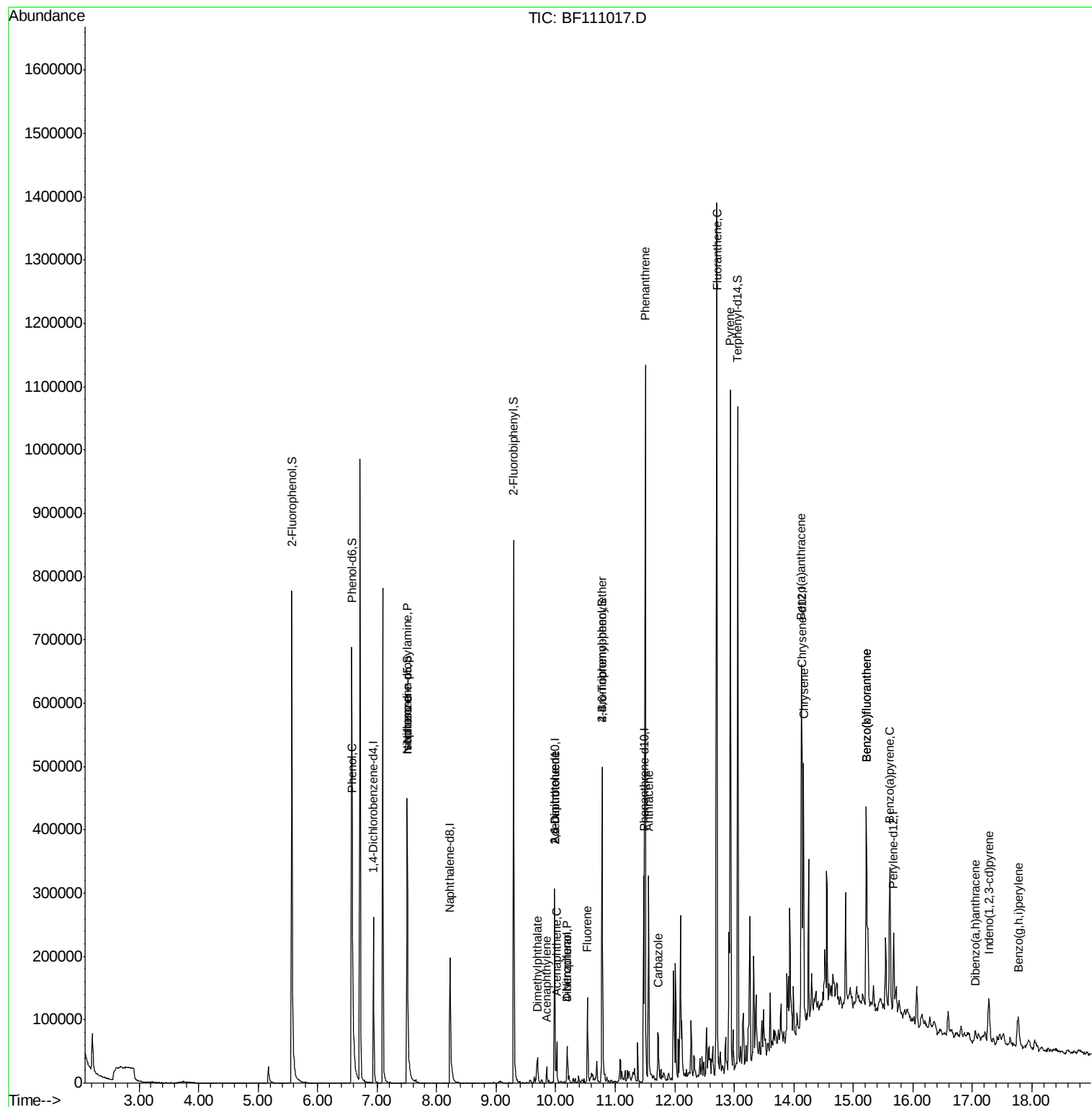
Target Compounds				Qvalue		
9) Benzaldehyde	6.57	77	423	Below Cal	#	1
10) Phenol	6.59	94	17873	4.980 ng		93
19) n-Nitroso-di-n-propylamine	7.50	70	24162	11.640 ng	#	80
25) Isophorone	7.50	82	181933	44.770 ng	#	67
49) Acenaphthylene	9.85	152	13397	2.337 ng	#	94
50) Dimethylphthalate	9.69	163	21249	4.805 ng		99
51) 2,6-Dinitrotoluene	9.98	165	7623	7.743 ng	#	21
52) Acenaphthene	10.02	154	16141	4.393 ng		97
55) Dibenzofuran	10.19	168	26771	4.994 ng		98
56) 4-Nitrophenol	10.19	139	10244	19.447 ng	#	6
57) 2,4-Dinitrotoluene	9.98	165	7623	5.968 ng	#	17
58) Fluorene	10.53	166	42084	10.091 ng		98
67) 4-Bromophenyl-phenylether	10.78	248	3838	2.893 ng	#	1
71) Phenanthrene	11.50	178	397933	61.680 ng		100
72) Anthracene	11.56	178	141302	21.506 ng		99
73) Carbazole	11.72	167	30335	4.757 ng		97
75) Fluoranthene	12.70	202	531012	80.082 ng		99
78) Pyrene	12.93	202	421772	62.188 ng		99
81) Benzo(a)anthracene	14.13	228	194251	35.433 ng		99
83) Chrysene	14.16	228	140365	26.009 ng		97
86) Indeno(1,2,3-cd)pyrene	17.27	276	46877	12.101 ng		97
88) Benzo(b)fluoranthene	15.22	252	168635	46.327 ng		97
89) Benzo(k)fluoranthene	15.22	252	168635	45.009 ng	#	96
90) Benzo(a)pyrene	15.62	252	81780	24.136 ng		97
91) Dibenzo(a,h)anthracene	17.05	278	10231	3.660 ng		96
92) Benzo(g,h,i)perylene	17.76	276	44697	16.582 ng		97

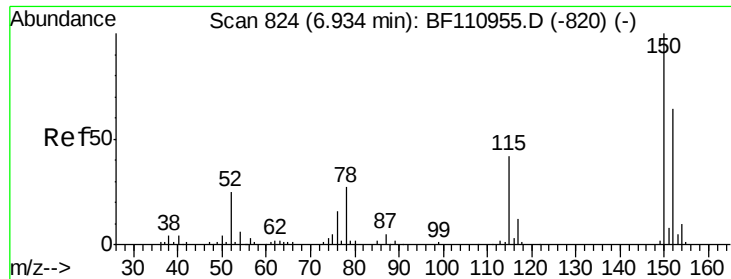
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF112718\
Data File : BF111017.D
Acq On : 27 Nov 2018 18:42
Operator : JU/SJ
Sample : J6062-02
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
B-20(1-10)

Quant Time: Nov 28 00:58:59 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF112618.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Nov 27 15:32:10 2018
Response via : Initial Calibration



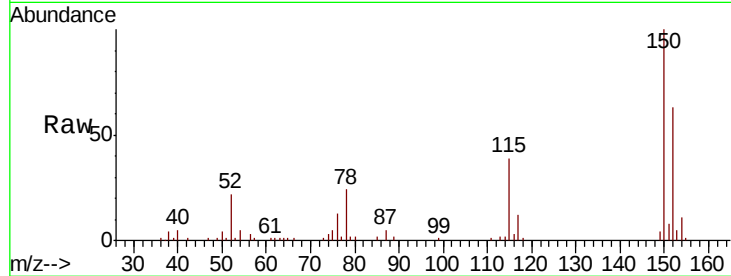


#1

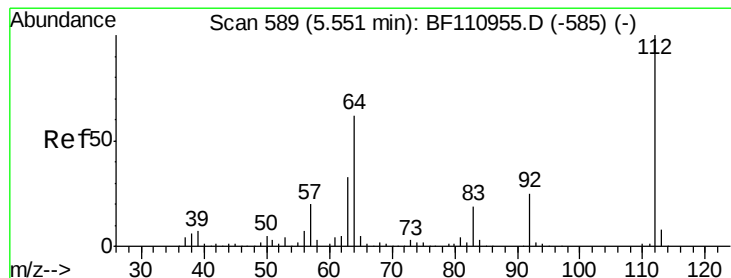
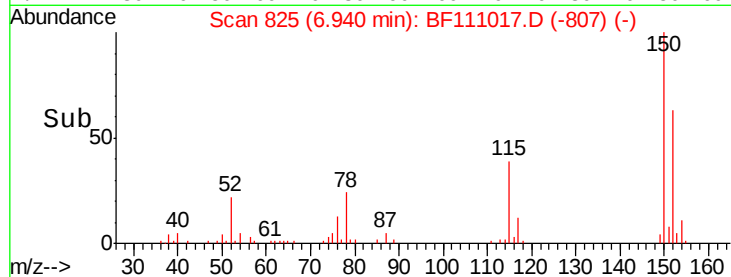
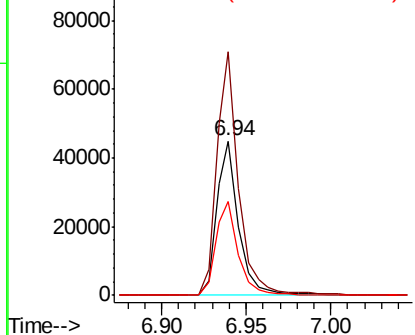
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.94 min Scan# 825
 Delta R.T. 0.01 min
 Lab File: BF111017.D
 Acq: 27 Nov 2018 18:42

Instrument :
 BNA_F
 ClientSampleId :
 B-20(1-10)

Tgt Ion:152 Resp: 40551
 Ion Ratio Lower Upper
 152 100
 150 158.0 122.7 184.1
 115 61.3 49.1 73.7



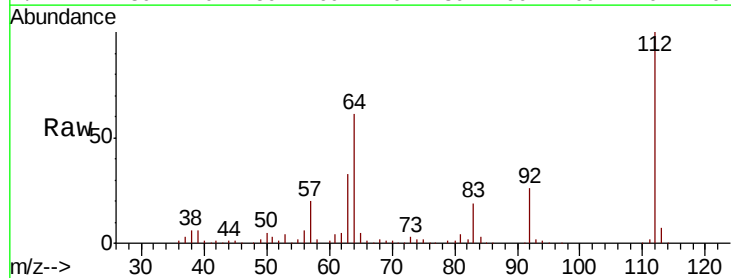
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



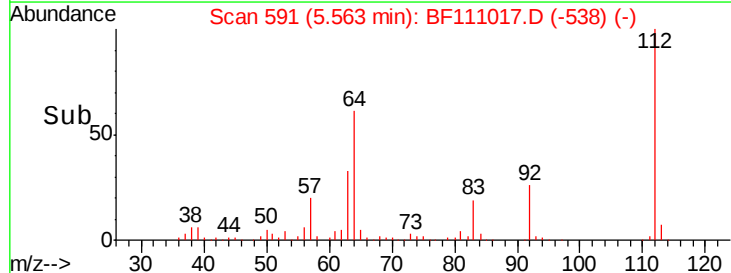
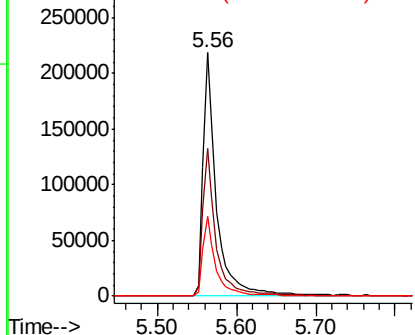
#5

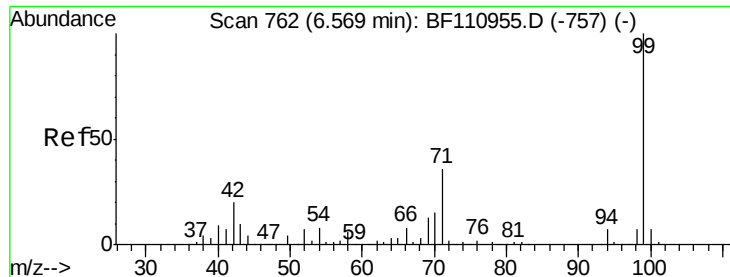
2-Fluorophenol
 Concen: 108.403 ng
 RT: 5.56 min Scan# 591
 Delta R.T. 0.01 min
 Lab File: BF111017.D
 Acq: 27 Nov 2018 18:42

Tgt Ion:112 Resp: 265080
 Ion Ratio Lower Upper
 112 100
 64 60.6 44.1 66.1
 63 33.0 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: 98.386 ng

RT: 6.57 min Scan# 763

Delta R.T. 0.01 min

Lab File: BF111017.D

Acq: 27 Nov 2018 18:42

Instrument :

BNA_F

ClientSampleId :

B-20(1-10)

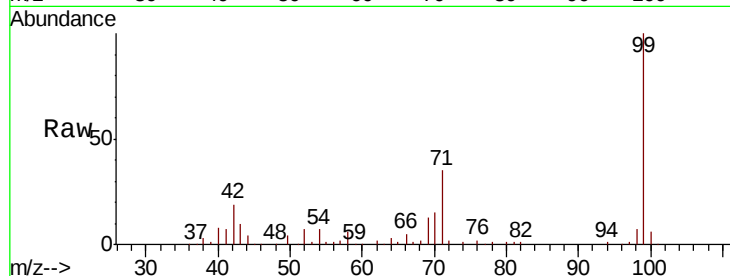
Tgt Ion: 99 Resp: 313523

Ion Ratio Lower Upper

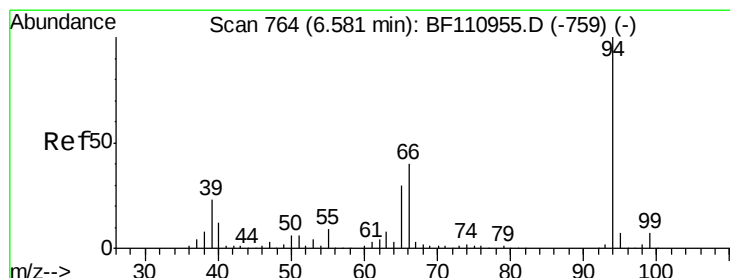
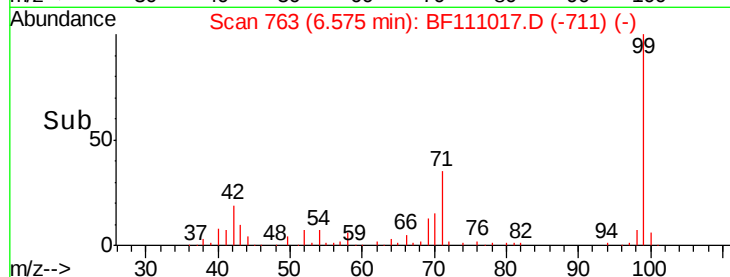
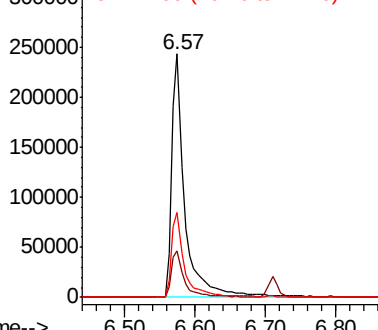
99 100

42 18.9 15.8 23.6

71 34.9 28.0 42.0



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



#10

Phenol

Concen: 4.980 ng

RT: 6.59 min Scan# 765

Delta R.T. 0.01 min

Lab File: BF111017.D

Acq: 27 Nov 2018 18:42

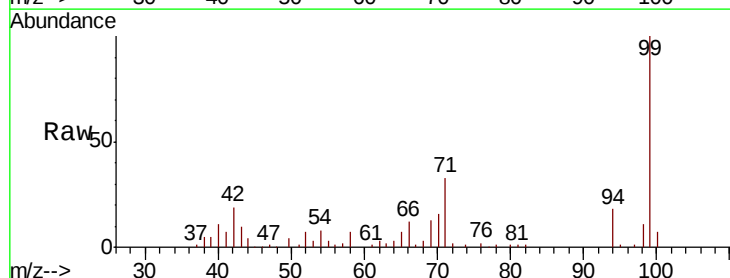
Tgt Ion: 94 Resp: 17873

Ion Ratio Lower Upper

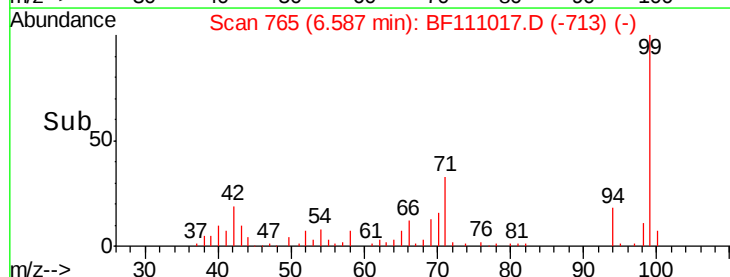
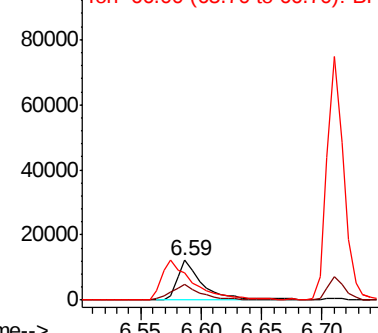
94 100

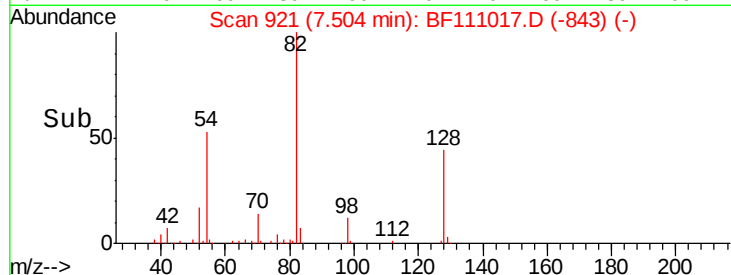
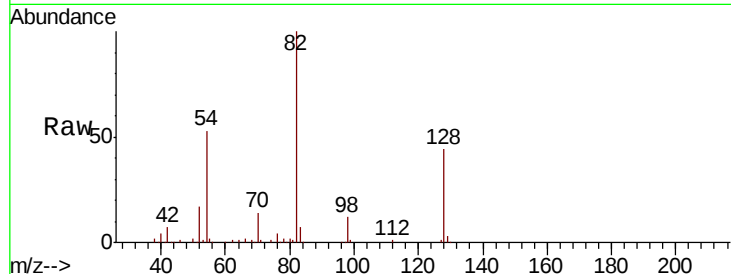
65 40.1 25.3 65.3

66 68.4 54.5 94.5



Abundance Ion 94.00 (93.70 to 94.70): BF1
Ion 65.00 (64.70 to 65.70): BF1
Ion 66.00 (65.70 to 66.70): BF1

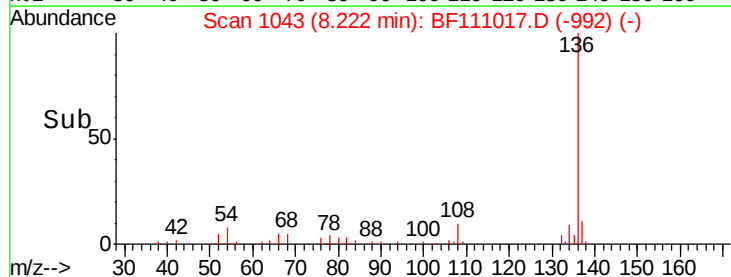
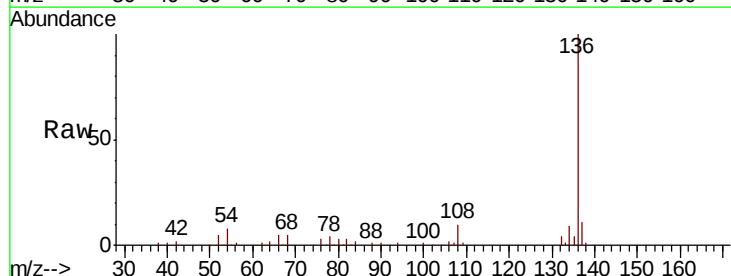
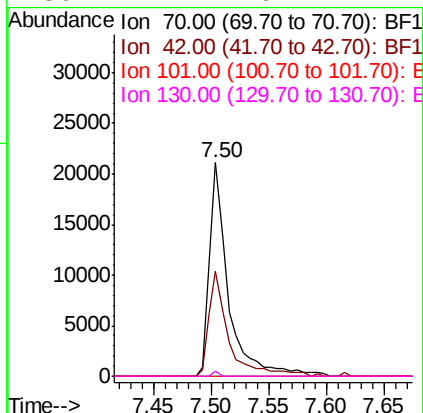




#19
n-Nitroso-di-n-propylamine
Concen: 11.640 ng
RT: 7.50 min Scan# 921
Delta R.T. 0.16 min
Lab File: BF111017.D
Acq: 27 Nov 2018 18:42

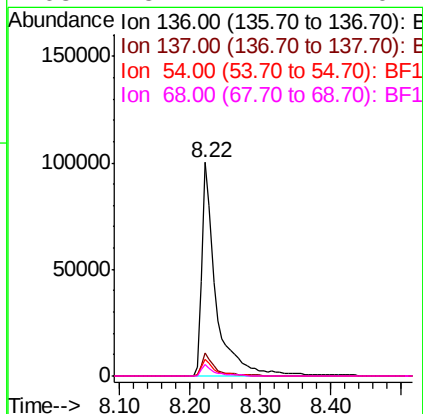
Instrument :
BNA_F
ClientSampleId :
B-20(1-10)

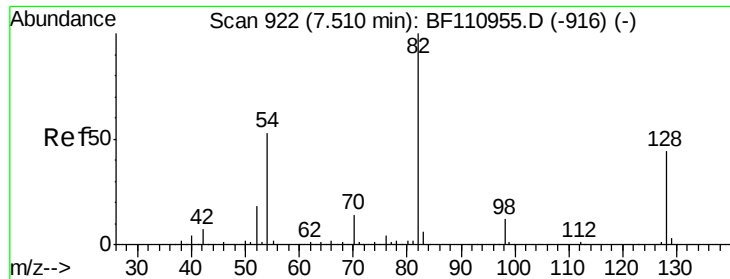
Tgt Ion: 70 Resp: 24162
Ion Ratio Lower Upper
70 100
42 49.1 47.4 71.2
101 0.0 7.3 10.9#
130 2.7 16.2 24.2#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.22 min Scan# 1043
Delta R.T. 0.00 min
Lab File: BF111017.D
Acq: 27 Nov 2018 18:42

Tgt Ion: 136 Resp: 141779
Ion Ratio Lower Upper
136 100
137 10.7 8.8 13.2
54 8.0 5.4 8.2
68 5.1 4.2 6.2

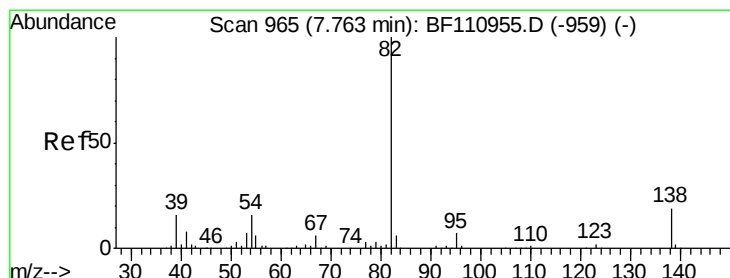
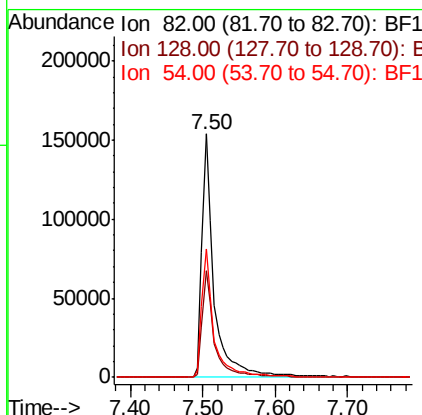
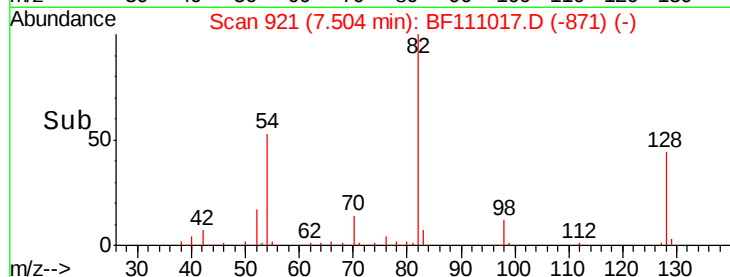
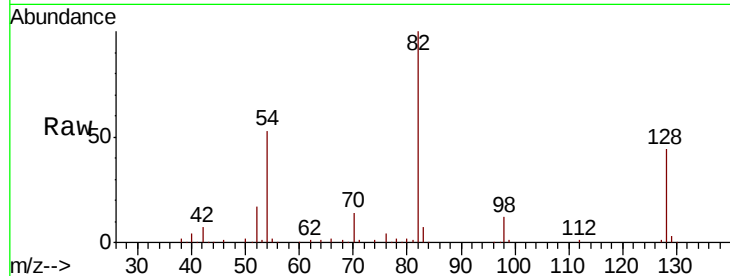




#23
 Nitrobenzene-d5
 Concen: 73.439 ng
 RT: 7.50 min Scan# 921
 Delta R.T. -0.01 min
 Lab File: BF111017.D
 Acq: 27 Nov 2018 18:42

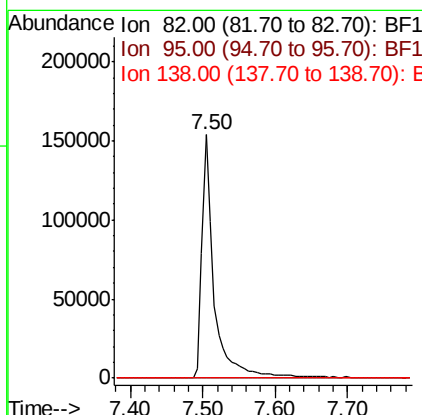
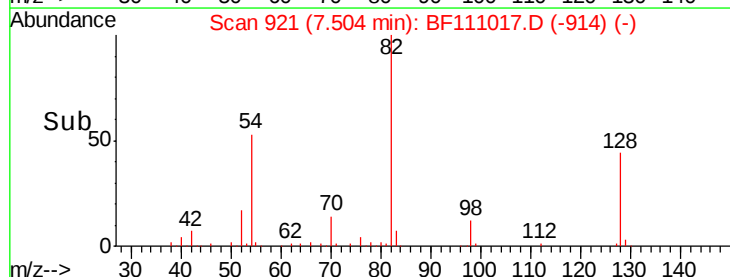
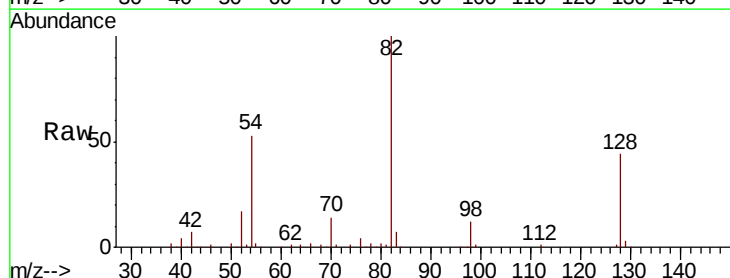
Instrument :
 BNA_F
 ClientSampleId :
 B-20(1-10)

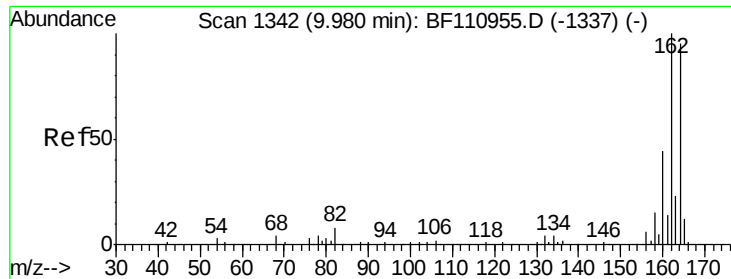
Tgt Ion: 82 Resp: 181933
 Ion Ratio Lower Upper
 82 100
 128 44.0 34.2 51.2
 54 52.5 38.6 58.0



#25
 Isophorone
 Concen: 44.770 ng
 RT: 7.50 min Scan# 921
 Delta R.T. -0.26 min
 Lab File: BF111017.D
 Acq: 27 Nov 2018 18:42

Tgt Ion: 82 Resp: 181933
 Ion Ratio Lower Upper
 82 100
 95 0.0 5.7 8.5#
 138 0.0 13.2 19.8#





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.98 min Scan# 1342

Delta R.T. 0.00 min

Lab File: BF111017.D

Acq: 27 Nov 2018 18:42

Instrument :

BNA_F

ClientSampleId :

B-20(1-10)

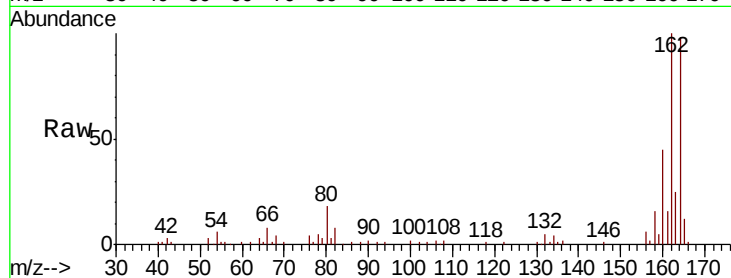
Tgt Ion:164 Resp: 60296

Ion Ratio Lower Upper

164 100

162 102.3 83.0 124.6

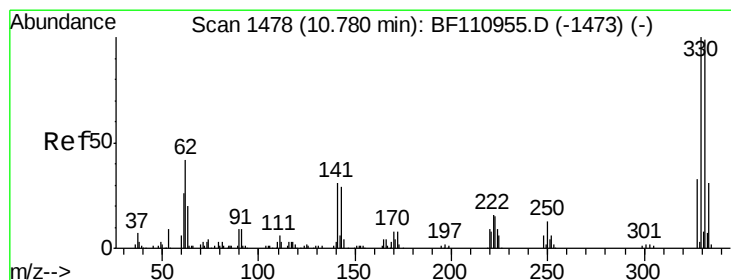
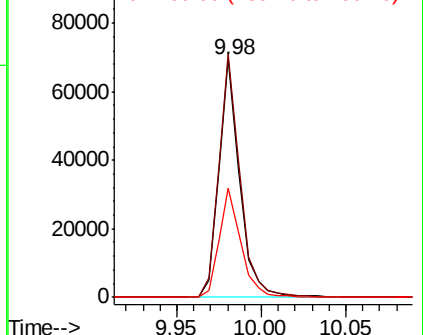
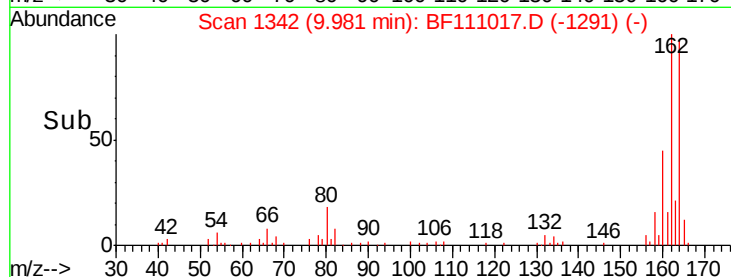
160 45.8 37.0 55.6



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: 106.043 ng

RT: 10.78 min Scan# 1478

Delta R.T. 0.00 min

Lab File: BF111017.D

Acq: 27 Nov 2018 18:42

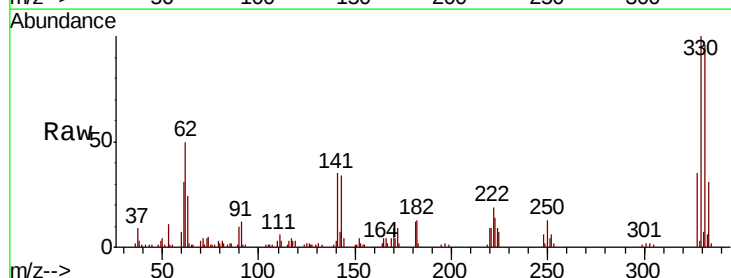
Tgt Ion:330 Resp: 63501

Ion Ratio Lower Upper

330 100

332 95.6 77.1 115.7

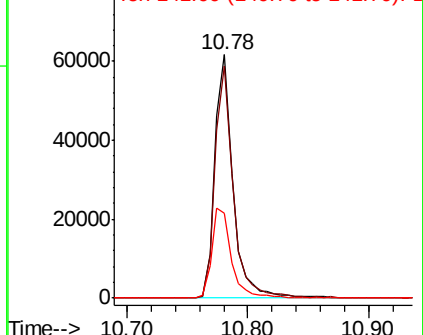
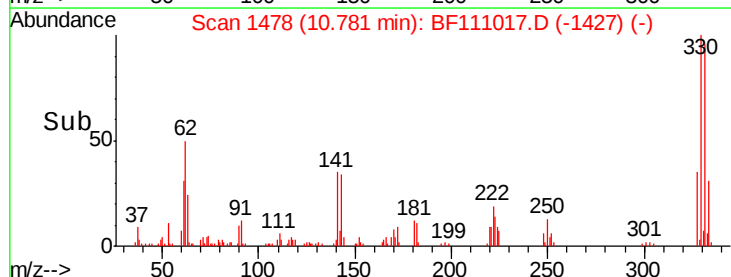
141 39.5 27.0 40.4

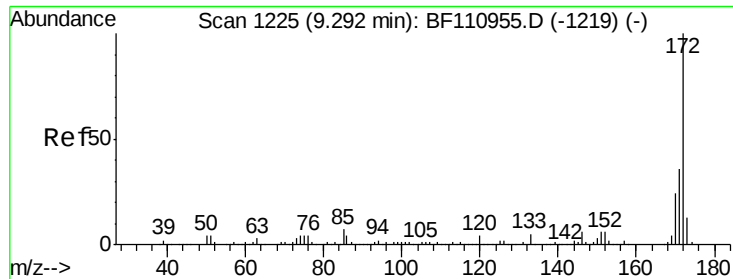


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

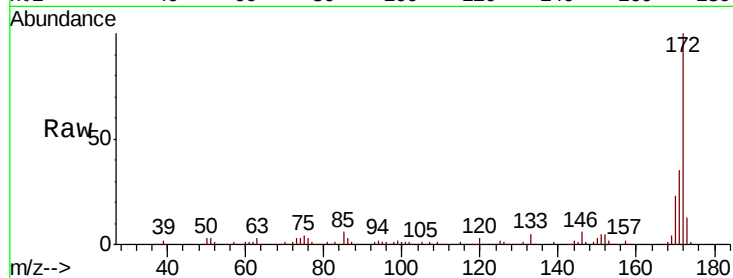




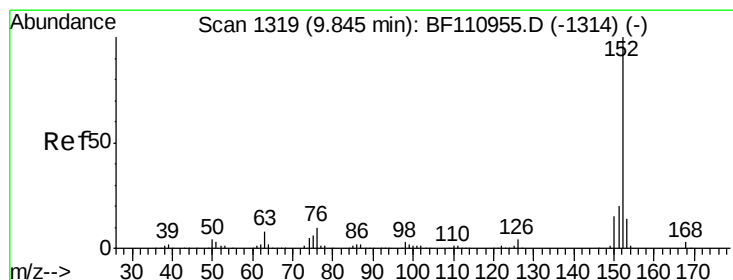
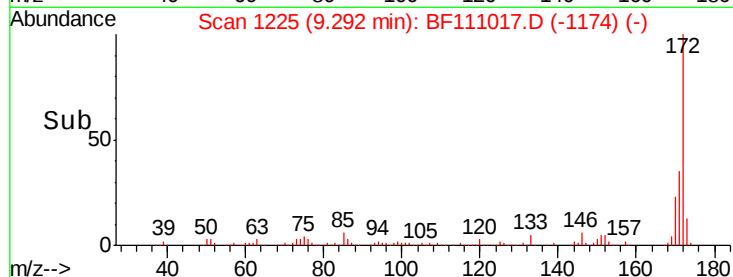
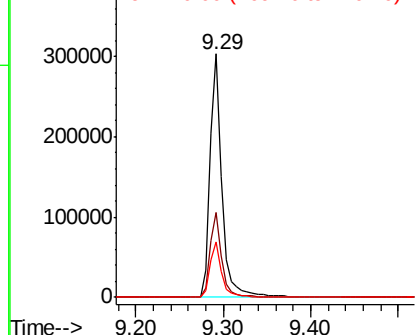
#45
2-Fluorobiphenyl
Concen: 69.145 ng
RT: 9.29 min Scan# 1225
Delta R.T. 0.00 min
Lab File: BF111017.D
Acq: 27 Nov 2018 18:42

Instrument :
BNA_F
ClientSampleId :
B-20(1-10)

Tgt Ion:172 Resp: 287771
Ion Ratio Lower Upper
172 100
171 34.8 28.6 43.0
170 22.9 19.7 29.5

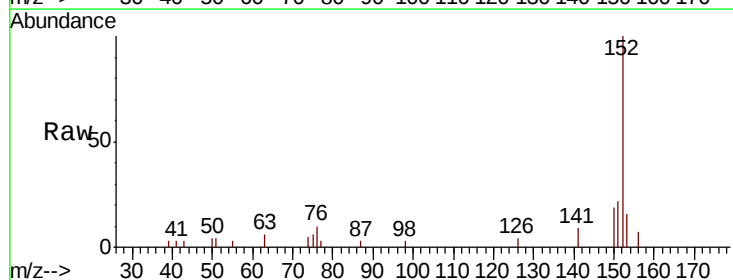


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

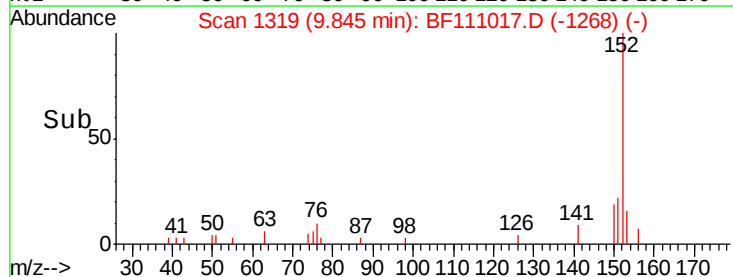
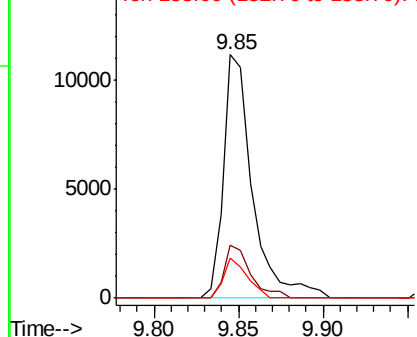


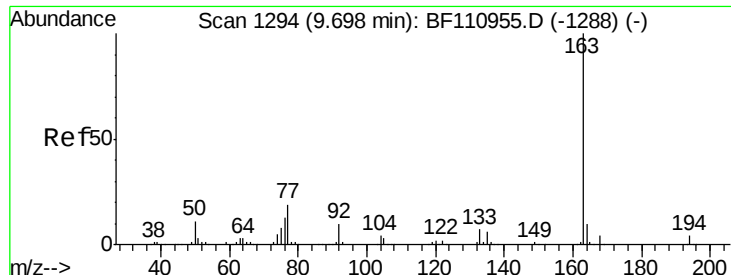
#49
Acenaphthylene
Concen: 2.337 ng
RT: 9.85 min Scan# 1319
Delta R.T. 0.00 min
Lab File: BF111017.D
Acq: 27 Nov 2018 18:42

Tgt Ion:152 Resp: 13397
Ion Ratio Lower Upper
152 100
151 21.6 15.8 23.8
153 16.5 10.4 15.6#



Abundance Ion 152.00 (151.70 to 152.70): E
Ion 151.00 (150.70 to 151.70): E
Ion 153.00 (152.70 to 153.70): E

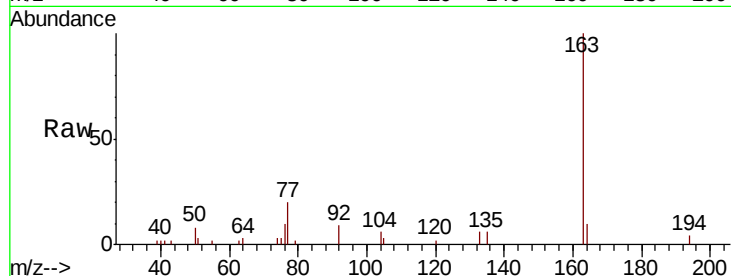




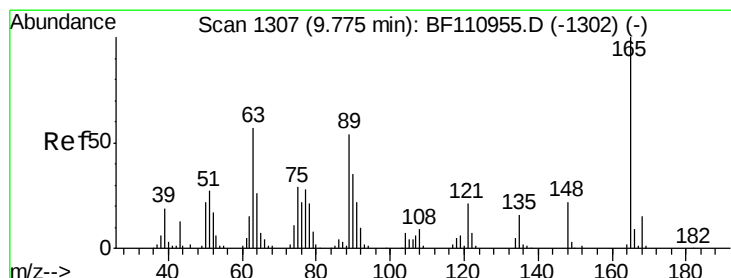
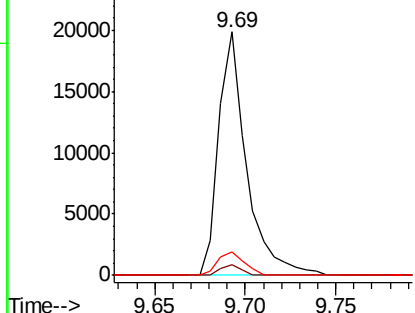
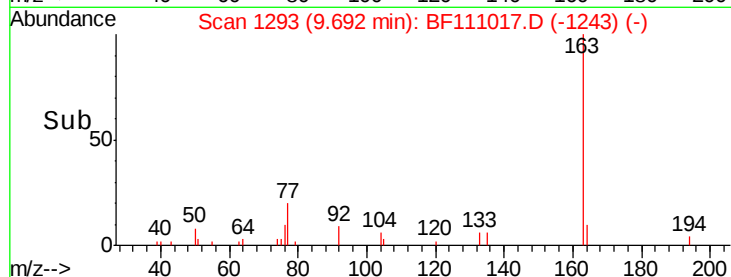
#50
Dimethylphthalate
Concen: 4.805 ng
RT: 9.69 min Scan# 1293
Delta R.T. -0.01 min
Lab File: BF111017.D
Acq: 27 Nov 2018 18:42

Instrument :
BNA_F
ClientSampleId :
B-20(1-10)

Tgt Ion:163 Resp: 21249
Ion Ratio Lower Upper
163 100
194 4.2 3.2 4.8
164 9.8 8.1 12.1

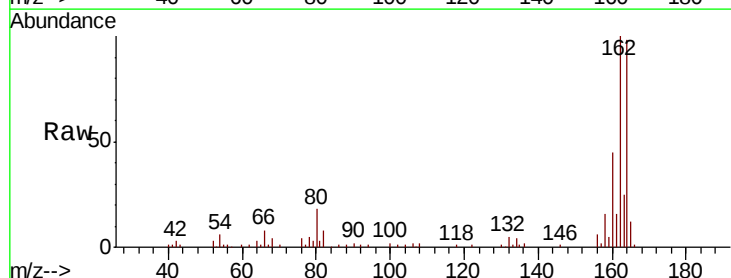


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

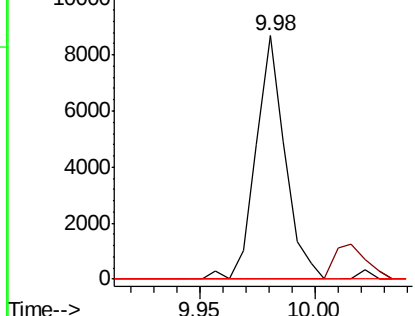
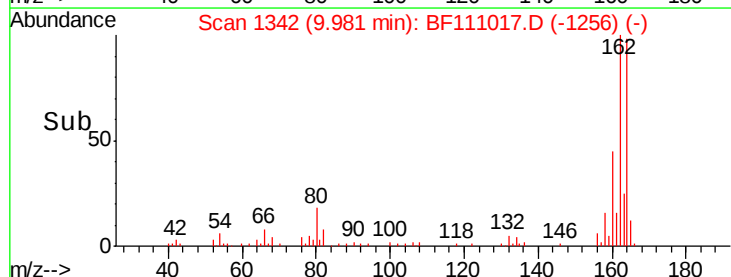


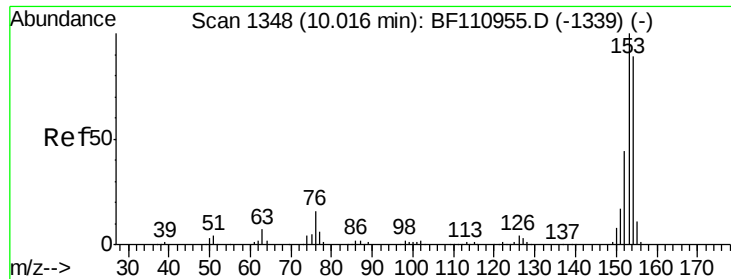
#51
2,6-Dinitrotoluene
Concen: 7.743 ng
RT: 9.98 min Scan# 1342
Delta R.T. 0.21 min
Lab File: BF111017.D
Acq: 27 Nov 2018 18:42

Tgt Ion:165 Resp: 7623
Ion Ratio Lower Upper
165 100
63 0.0 48.9 73.3#
89 0.0 46.6 69.8#



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





#52

Acenaphthene

Concen: 4.393 ng

RT: 10.02 min Scan# 1348

Delta R.T. 0.00 min

Lab File: BF111017.D

Acq: 27 Nov 2018 18:42

Instrument :

BNA_F

ClientSampleId :

B-20(1-10)

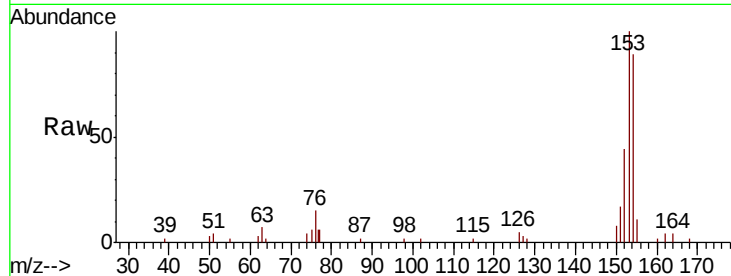
Tgt Ion:154 Resp: 16141

Ion Ratio Lower Upper

154 100

153 112.1 90.1 135.1

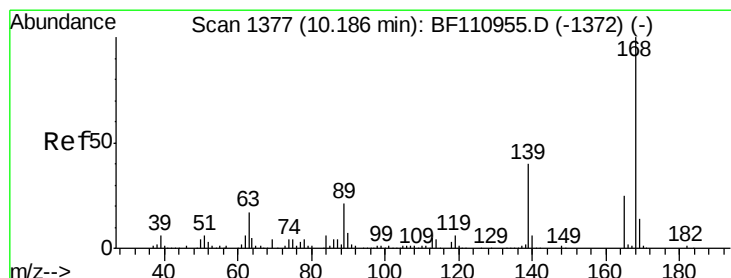
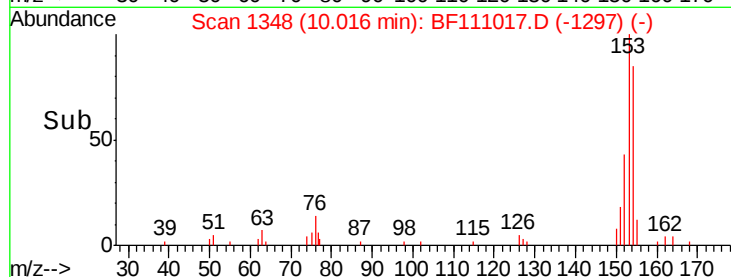
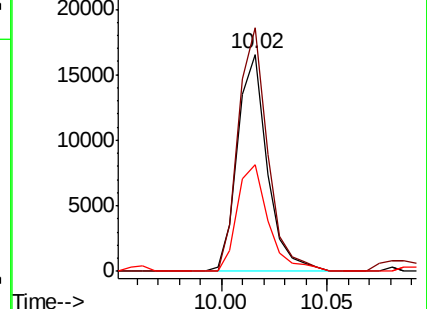
152 48.9 43.4 65.2



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E



#55

Dibenzofuran

Concen: 4.994 ng

RT: 10.19 min Scan# 1378

Delta R.T. 0.01 min

Lab File: BF111017.D

Acq: 27 Nov 2018 18:42

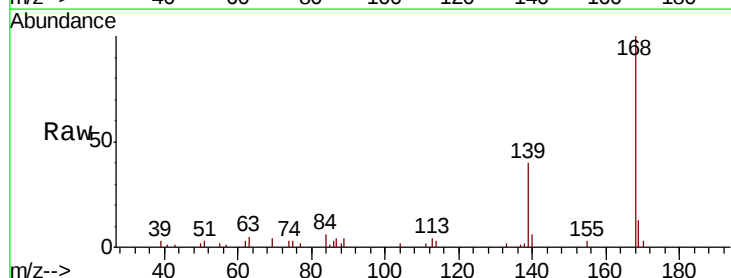
Tgt Ion:168 Resp: 26771

Ion Ratio Lower Upper

168 100

139 40.1 33.0 49.6

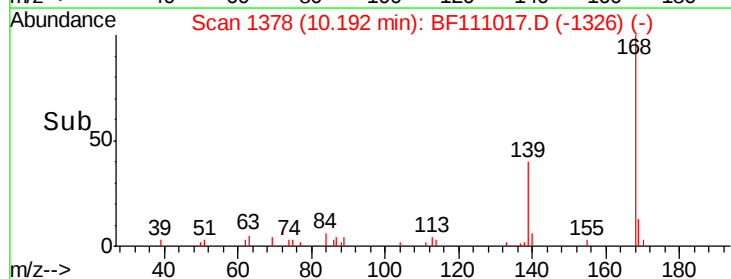
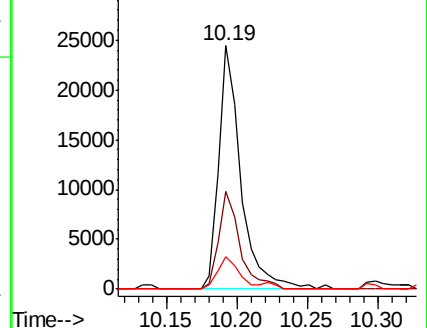
169 13.5 11.3 16.9

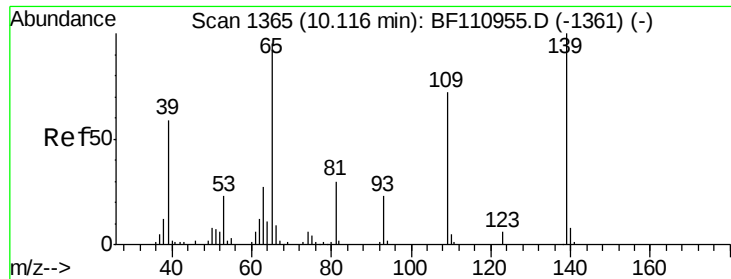


Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E

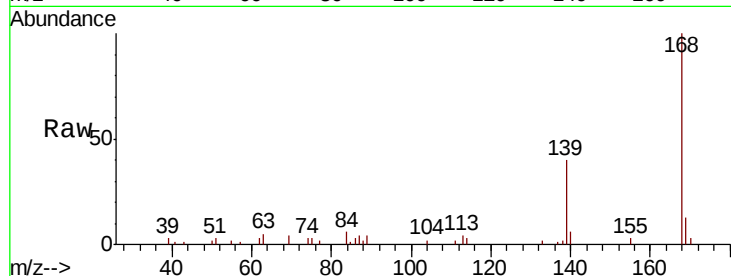




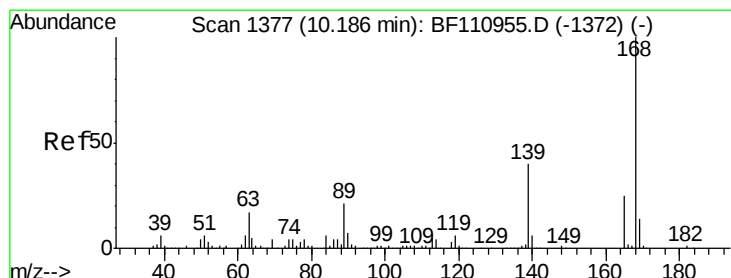
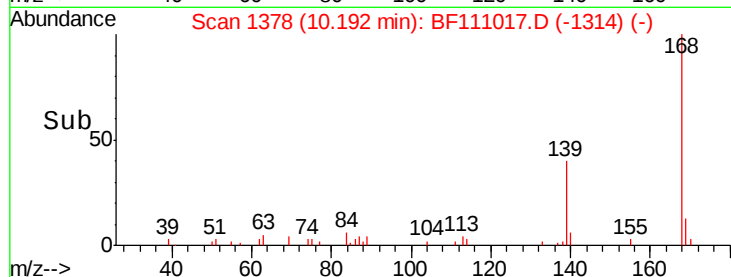
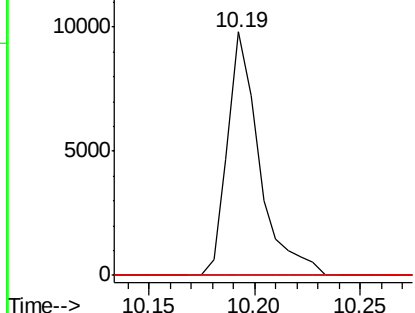
#56
4-Nitrophenol
Concen: 19.447 ng
RT: 10.19 min Scan# 1378
Delta R.T. 0.08 min
Lab File: BF111017.D
Acq: 27 Nov 2018 18:42

Instrument :
BNA_F
ClientSampleId :
B-20(1-10)

Tgt Ion:139 Resp: 10244
Ion Ratio Lower Upper
139 100
109 0.0 55.8 95.8#
65 0.0 77.9 117.9#

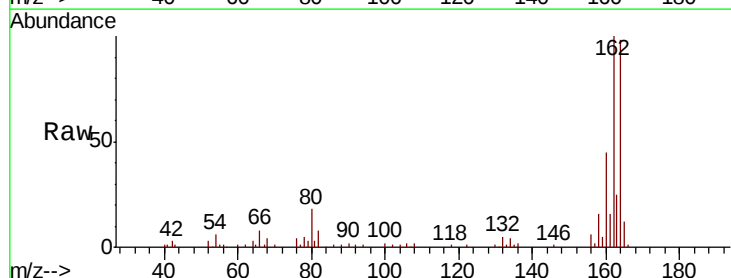


Abundance Ion 139.00 (138.70 to 139.70): E
Ion 109.00 (108.70 to 109.70): E
Ion 65.00 (64.70 to 65.70): BF1

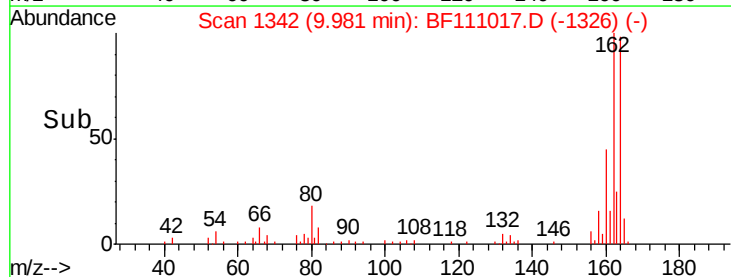
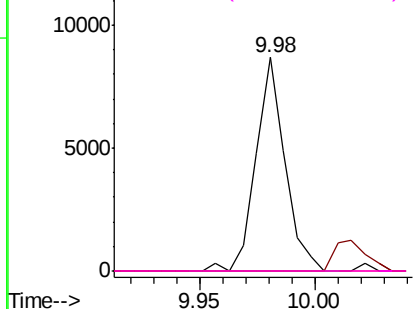


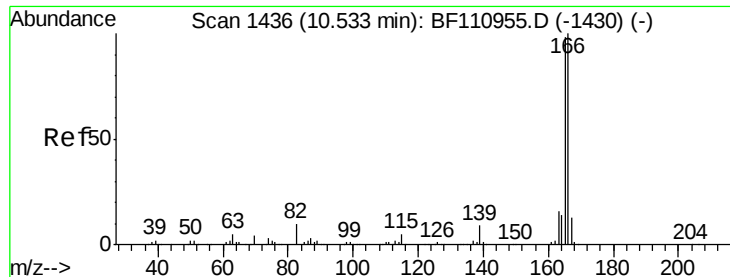
#57
2,4-Dinitrotoluene
Concen: 5.968 ng
RT: 9.98 min Scan# 1342
Delta R.T. -0.21 min
Lab File: BF111017.D
Acq: 27 Nov 2018 18:42

Tgt Ion:165 Resp: 7623
Ion Ratio Lower Upper
165 100
63 0.0 44.8 67.2#
89 0.0 62.2 93.4#
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





#58

Fluorene

Concen: 10.091 ng

RT: 10.53 min Scan# 1436

Delta R.T. 0.00 min

Lab File: BF111017.D

Acq: 27 Nov 2018 18:42

Instrument :

BNA_F

ClientSampleId :

B-20(1-10)

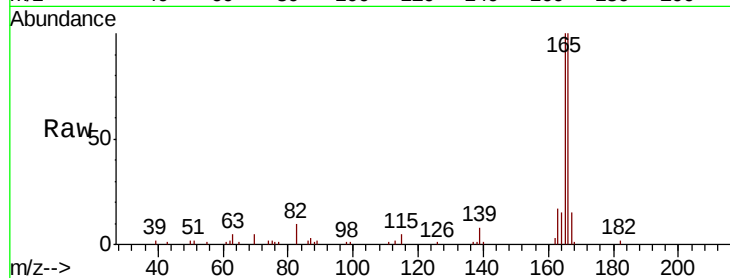
Tgt Ion:166 Resp: 42084

Ion Ratio Lower Upper

166 100

165 100.3 78.6 117.8

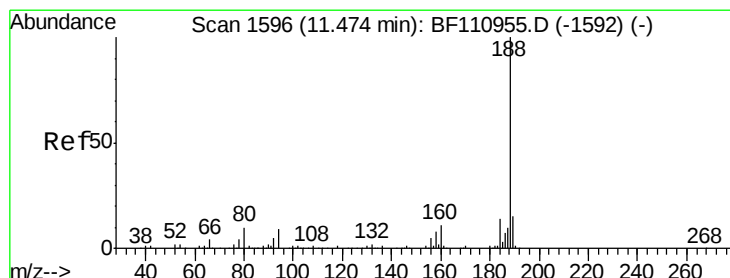
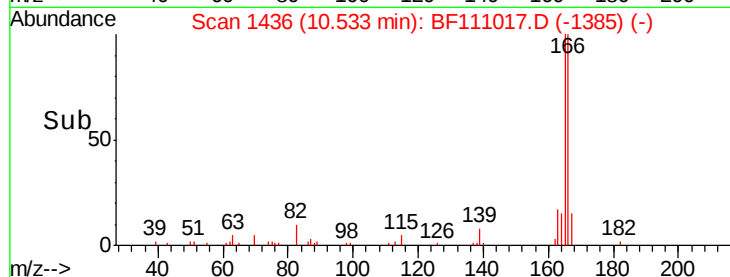
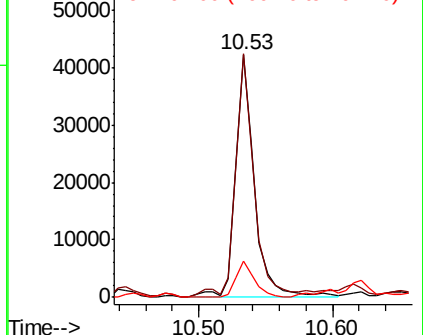
167 14.8 10.8 16.2



Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.48 min Scan# 1597

Delta R.T. 0.01 min

Lab File: BF111017.D

Acq: 27 Nov 2018 18:42

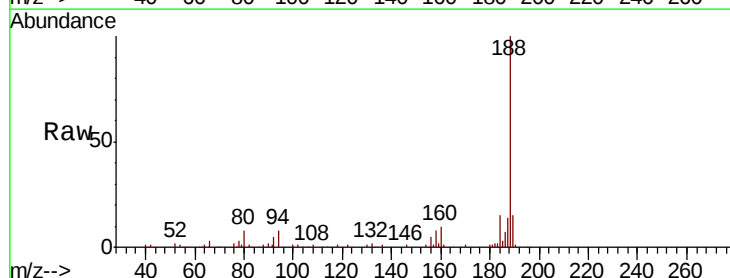
Tgt Ion:188 Resp: 121813

Ion Ratio Lower Upper

188 100

94 7.9 7.2 10.8

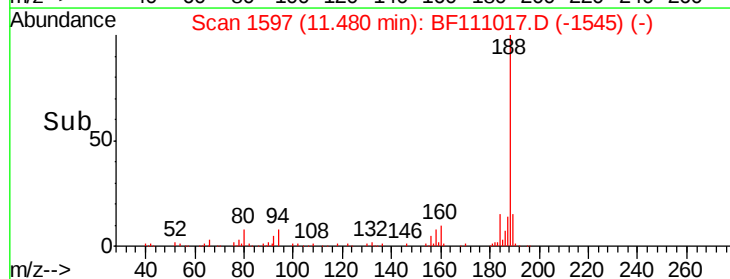
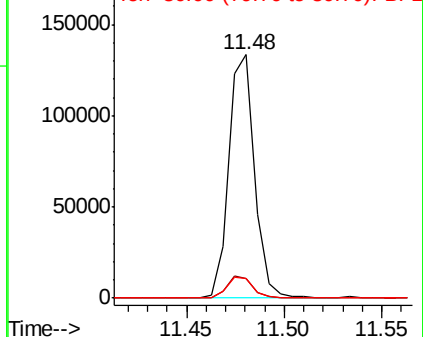
80 7.9 7.9 11.9

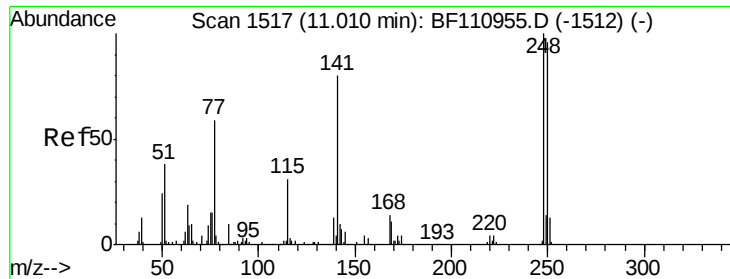


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1

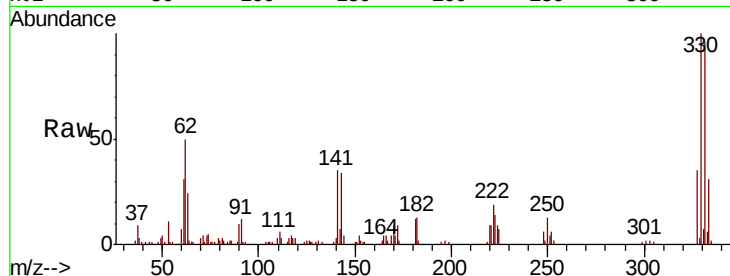




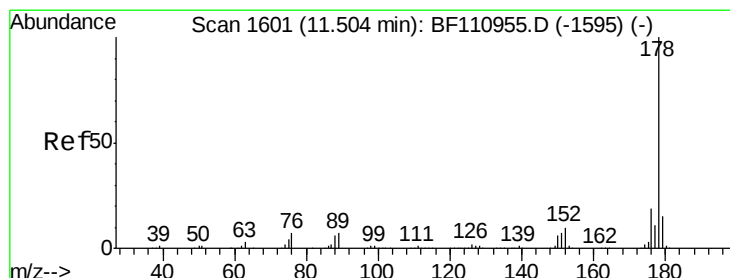
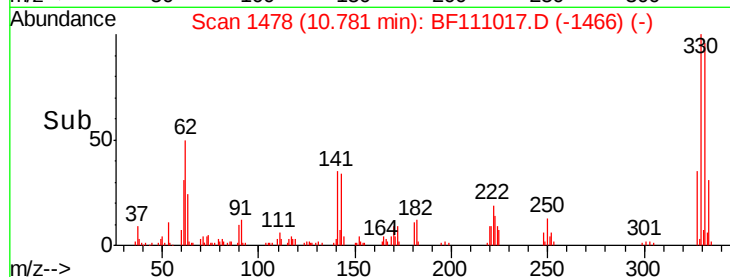
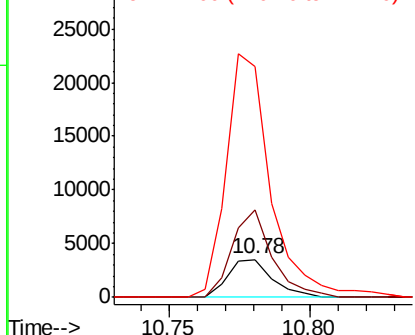
#67
 4-Bromophenyl-phenylether
 Concen: 2.893 ng
 RT: 10.78 min Scan# 1478
 Delta R.T. -0.23 min
 Lab File: BF111017.D
 Acq: 27 Nov 2018 18:42

Instrument :
 BNA_F
 ClientSampleId :
 B-20(1-10)

Tgt Ion:248 Resp: 3838
 Ion Ratio Lower Upper
 248 100
 250 229.7 79.4 119.2#
 141 607.2 55.9 83.9#

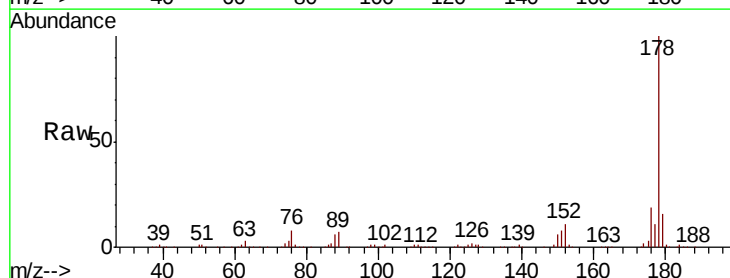


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

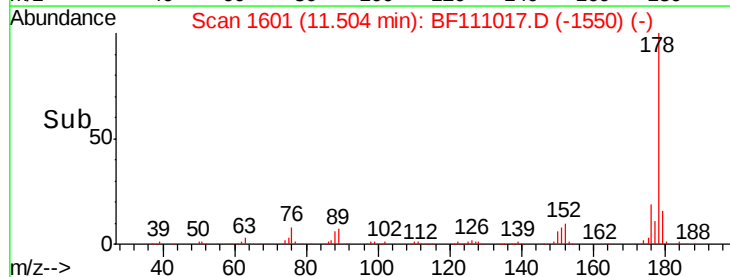
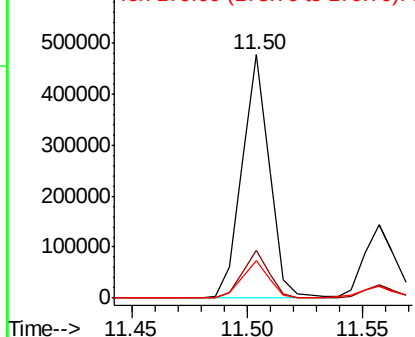


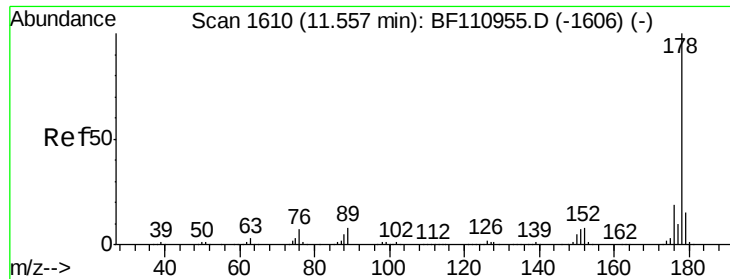
#71
 Phenanthrene
 Concen: 61.680 ng
 RT: 11.50 min Scan# 1601
 Delta R.T. 0.00 min
 Lab File: BF111017.D
 Acq: 27 Nov 2018 18:42

Tgt Ion:178 Resp: 397933
 Ion Ratio Lower Upper
 178 100
 176 19.4 15.5 23.3
 179 15.7 12.5 18.7



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





#72

Anthracene

Concen: 21.506 ng

RT: 11.56 min Scan# 1610

Delta R.T. 0.00 min

Lab File: BF111017.D

Acq: 27 Nov 2018 18:42

Instrument :

BNA_F

ClientSampleId :

B-20(1-10)

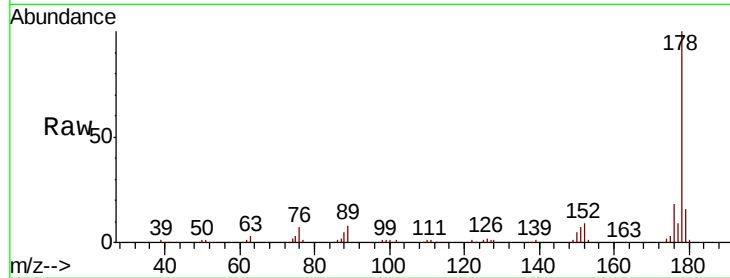
Tgt Ion:178 Resp: 141302

Ion Ratio Lower Upper

178 100

176 18.4 15.4 23.2

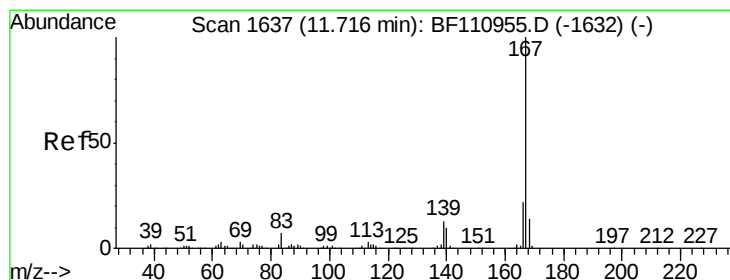
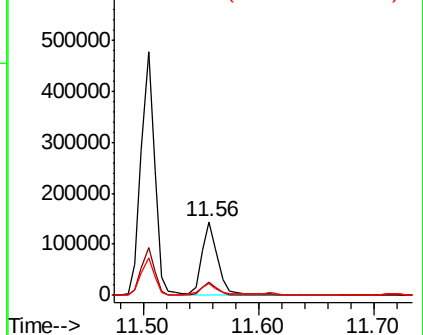
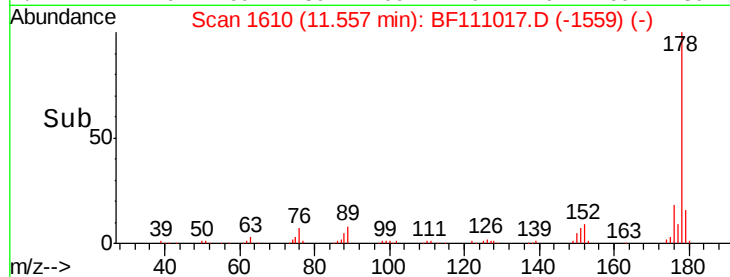
179 15.6 12.6 18.8



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



#73

Carbazole

Concen: 4.757 ng

RT: 11.72 min Scan# 1638

Delta R.T. 0.01 min

Lab File: BF111017.D

Acq: 27 Nov 2018 18:42

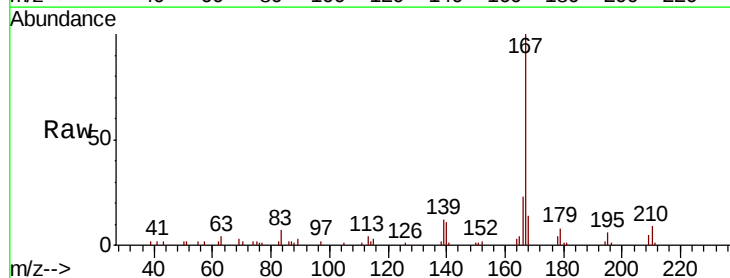
Tgt Ion:167 Resp: 30335

Ion Ratio Lower Upper

167 100

166 23.4 17.4 26.0

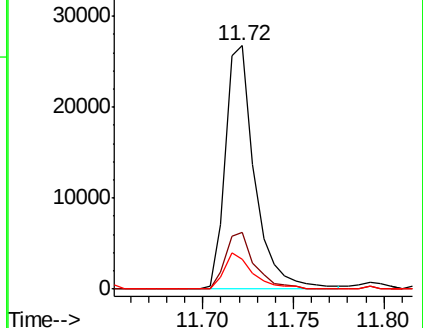
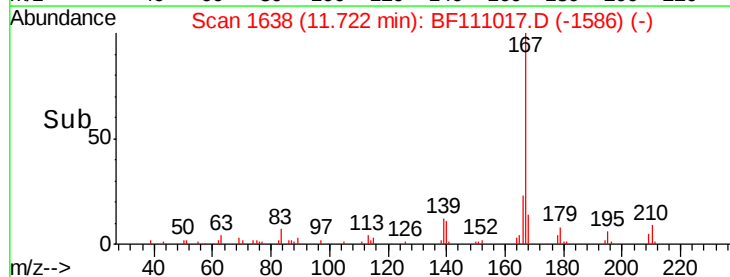
139 12.3 10.9 16.3

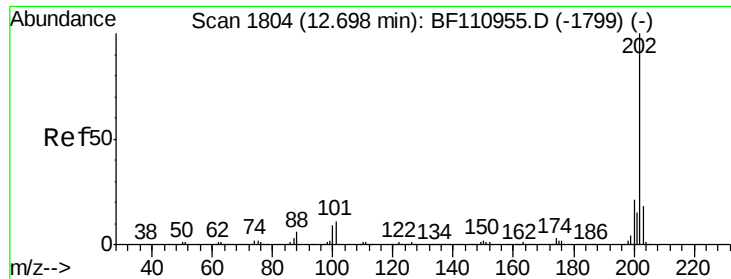


Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E





#75

Fluoranthene

Concen: 80.082 ng

RT: 12.70 min Scan# 1805

Delta R.T. 0.01 min

Lab File: BF111017.D

Acq: 27 Nov 2018 18:42

Instrument :

BNA_F

ClientSampleId :

B-20(1-10)

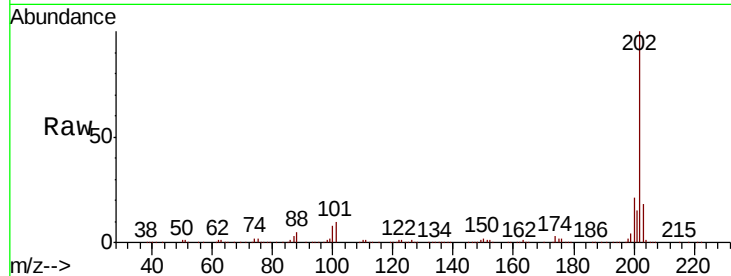
Tgt Ion:202 Resp: 531012

Ion Ratio Lower Upper

202 100

101 10.2 0.0 31.4

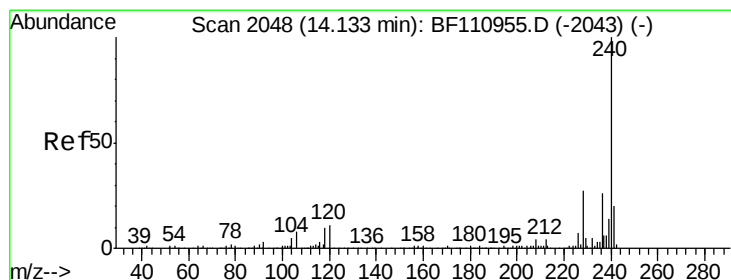
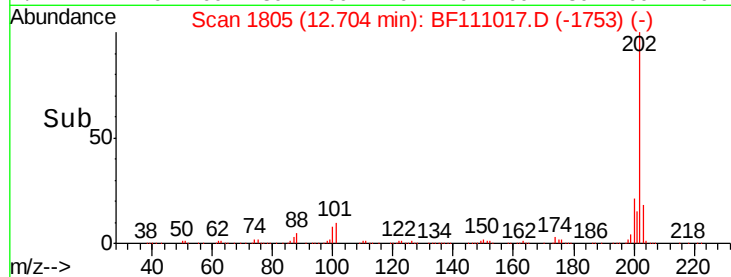
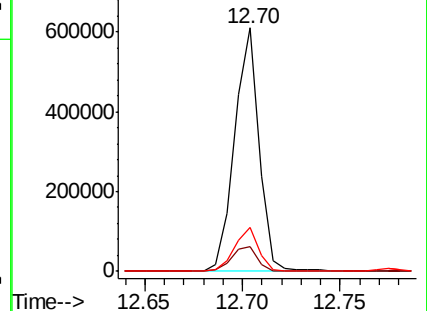
203 17.8 0.0 37.7



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: 14.14 min Scan# 2049

Delta R.T. 0.01 min

Lab File: BF111017.D

Acq: 27 Nov 2018 18:42

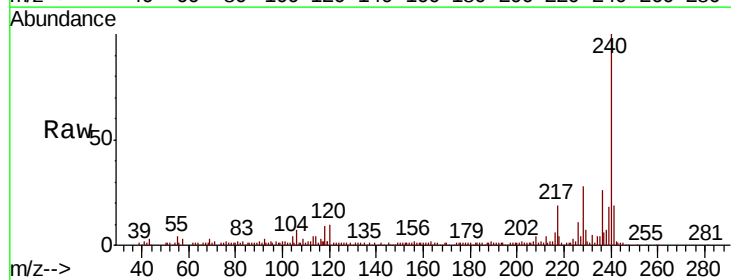
Tgt Ion:240 Resp: 92859

Ion Ratio Lower Upper

240 100

120 10.0 8.3 12.5

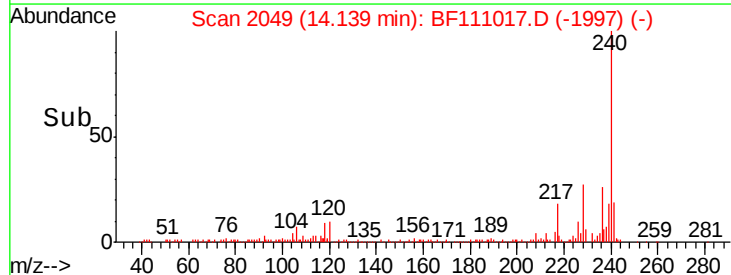
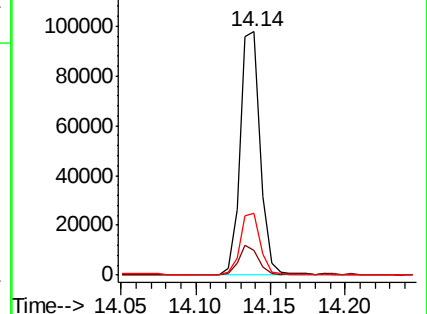
236 25.5 21.2 31.8

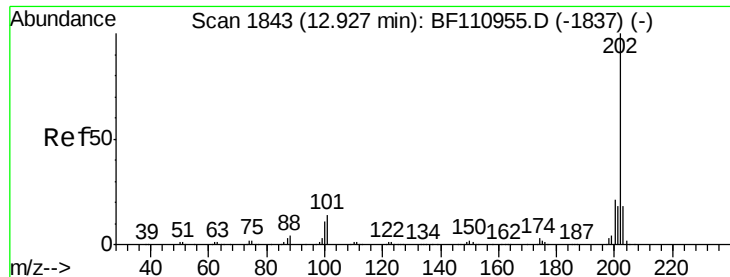


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#78

Pyrene

Concen: 62.188 ng

RT: 12.93 min Scan# 1844

Delta R.T. 0.00 min

Lab File: BF111017.D

Acq: 27 Nov 2018 18:42

Instrument :

BNA_F

ClientSampleId :

B-20(1-10)

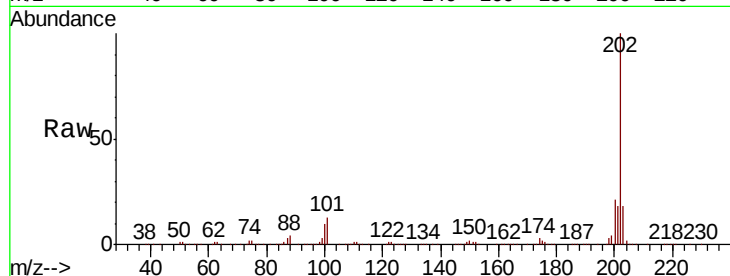
Tgt Ion:202 Resp: 421772

Ion Ratio Lower Upper

202 100

200 21.2 17.8 26.6

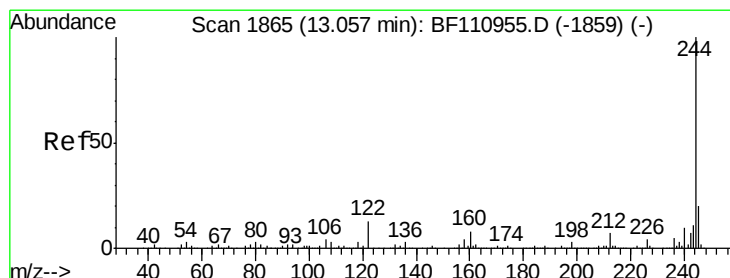
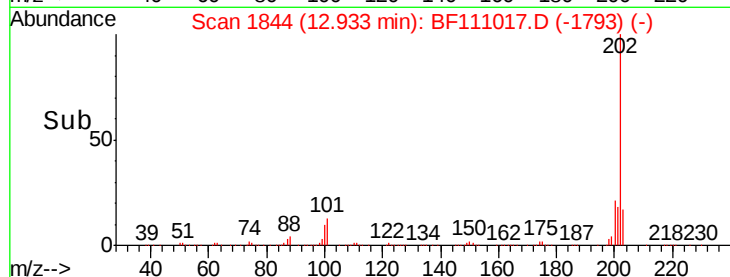
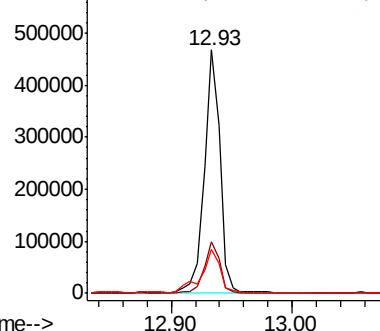
203 18.0 14.2 21.4



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: 65.527 ng

RT: 13.06 min Scan# 1865

Delta R.T. 0.00 min

Lab File: BF111017.D

Acq: 27 Nov 2018 18:42

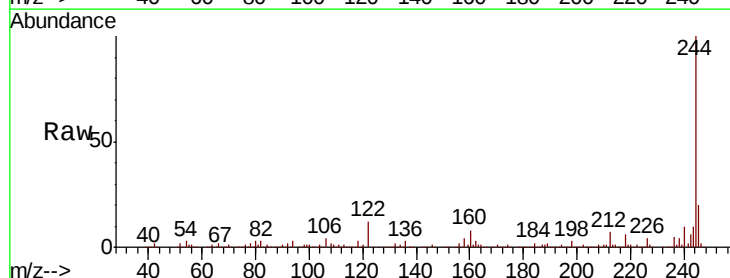
Tgt Ion:244 Resp: 312578

Ion Ratio Lower Upper

244 100

212 7.2 5.8 8.8

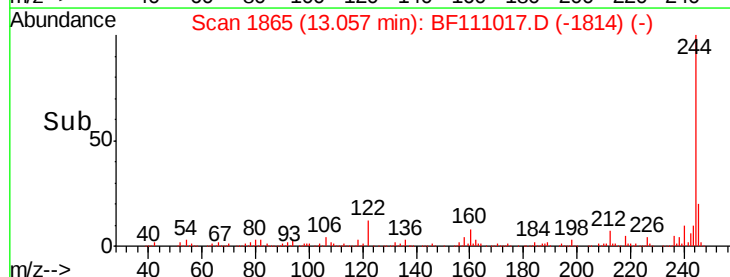
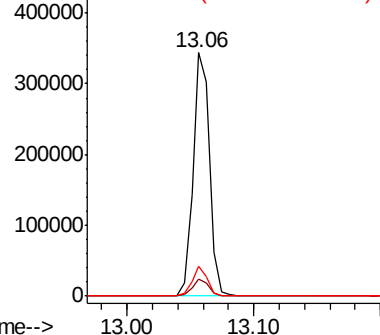
122 12.1 8.7 13.1

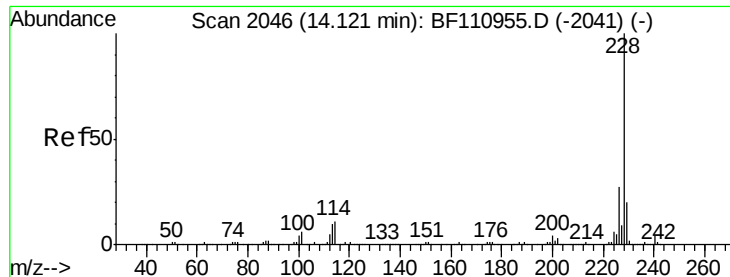


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#81

Benzo(a)anthracene

Concen: 35.433 ng

RT: 14.13 min Scan# 2047

Delta R.T. 0.01 min

Lab File: BF111017.D

Acq: 27 Nov 2018 18:42

Instrument :

BNA_F

ClientSampleId :

B-20(1-10)

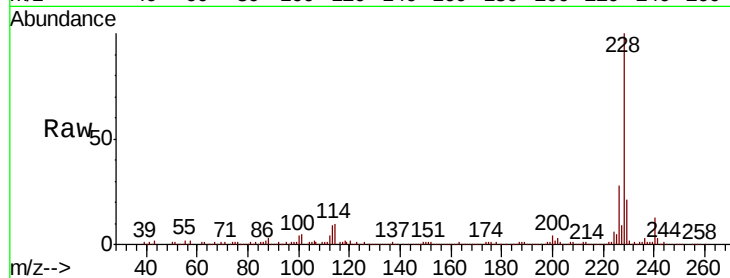
Tgt Ion:228 Resp: 194251

Ion Ratio Lower Upper

228 100

226 27.6 22.1 33.1

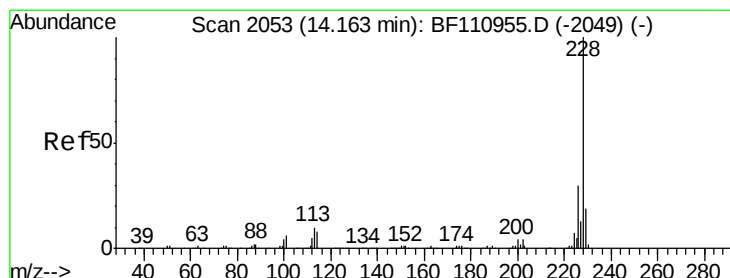
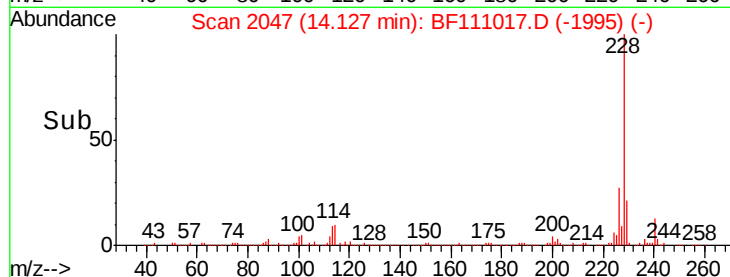
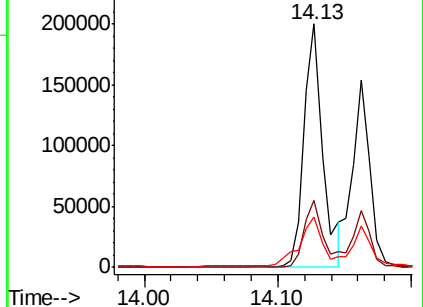
229 20.8 15.6 23.4



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



#83

Chrysene

Concen: 26.009 ng

RT: 14.16 min Scan# 2053

Delta R.T. 0.00 min

Lab File: BF111017.D

Acq: 27 Nov 2018 18:42

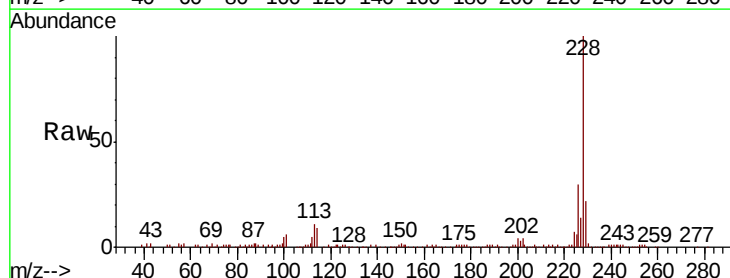
Tgt Ion:228 Resp: 140365

Ion Ratio Lower Upper

228 100

226 29.9 24.7 37.1

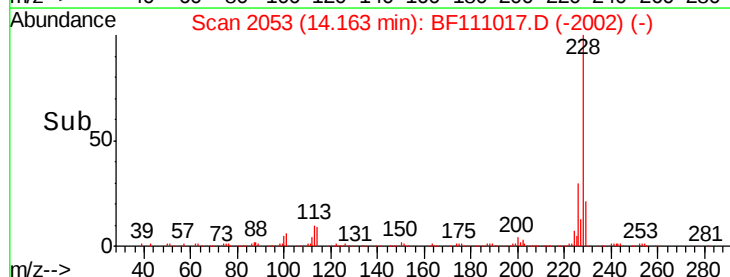
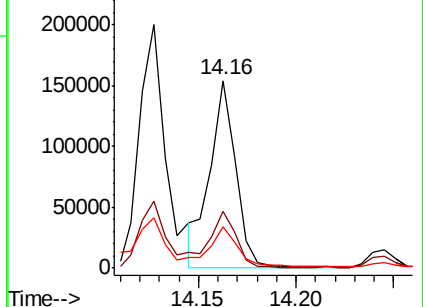
229 22.0 15.9 23.9

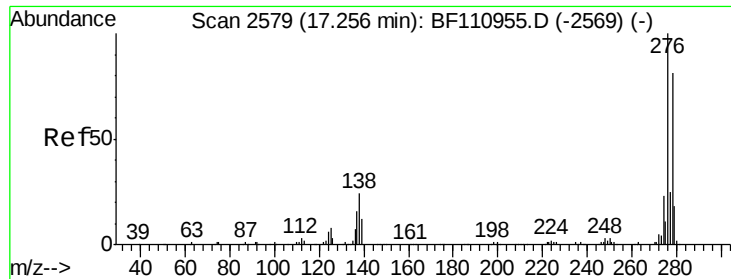


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#86

Indeno(1,2,3-cd)pyrene

Concen: 12.101 ng

RT: 17.27 min Scan# 2582

Delta R.T. 0.02 min

Lab File: BF111017.D

Acq: 27 Nov 2018 18:42

Instrument :

BNA_F

ClientSampleId :

B-20(1-10)

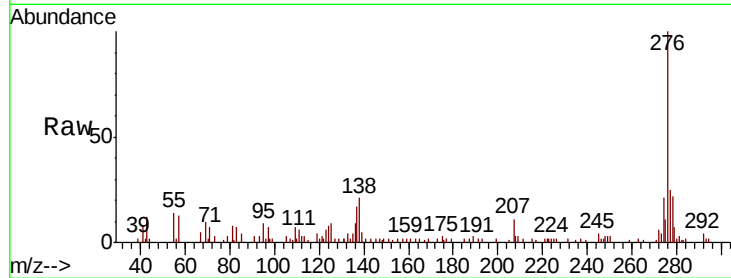
Tgt Ion:276 Resp: 46877

Ion Ratio Lower Upper

276 100

138 24.2 18.5 27.7

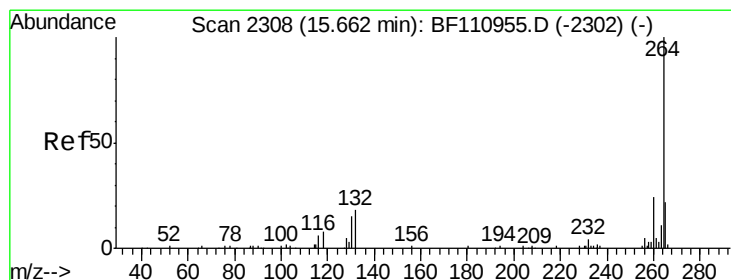
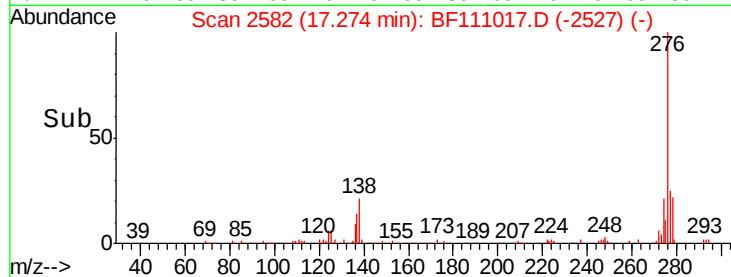
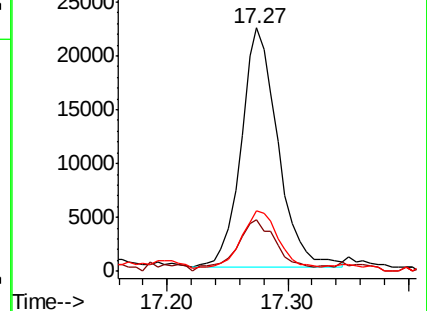
277 22.8 20.0 30.0



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



#87

Perylene-d12

Concen: 20.000 ng

RT: 15.67 min Scan# 2310

Delta R.T. 0.01 min

Lab File: BF111017.D

Acq: 27 Nov 2018 18:42

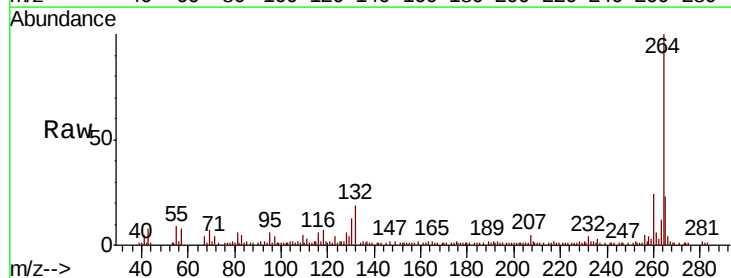
Tgt Ion:264 Resp: 61963

Ion Ratio Lower Upper

264 100

260 24.2 18.7 28.1

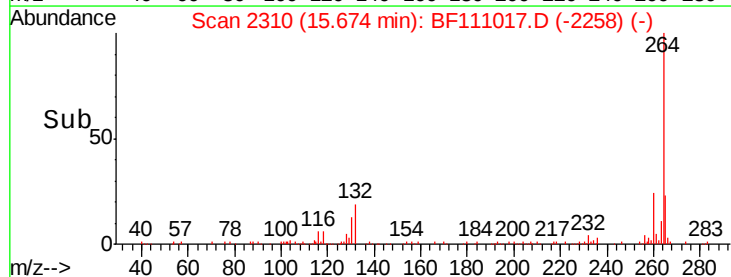
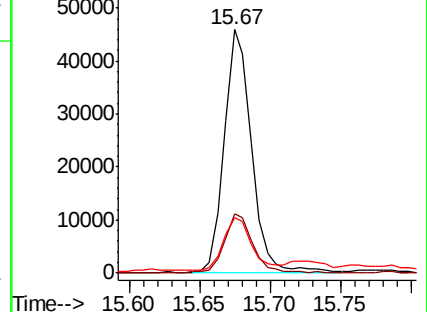
265 22.8 16.7 25.1

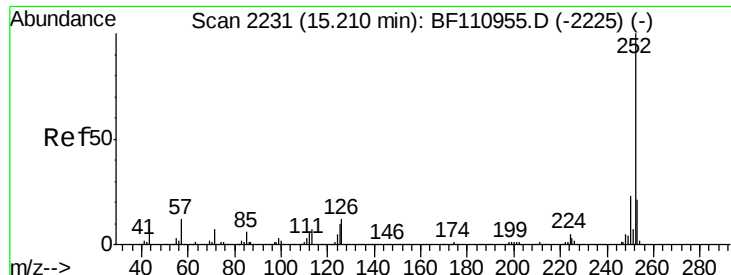


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

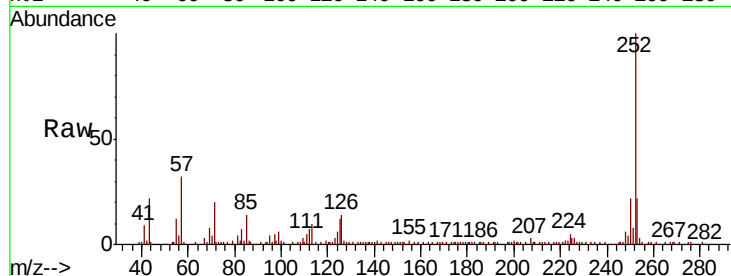




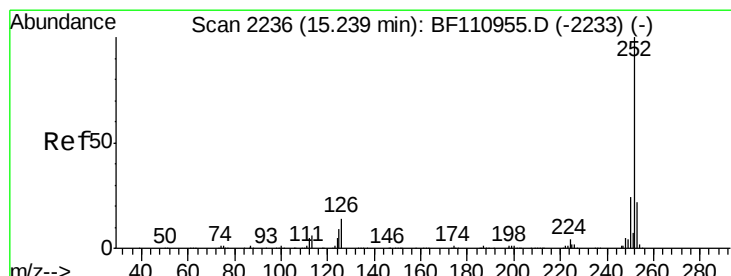
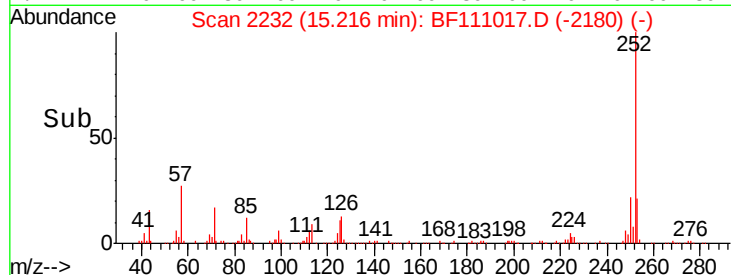
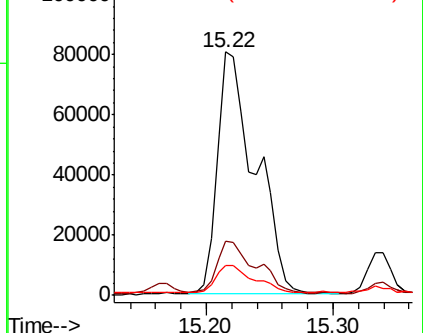
#88
Benzo(b)fluoranthene
Concen: 46.327 ng
RT: 15.22 min Scan# 2232
Delta R.T. 0.01 min
Lab File: BF111017.D
Acq: 27 Nov 2018 18:42

Instrument :
BNA_F
ClientSampleId :
B-20(1-10)

Tgt Ion:252 Resp: 168635
Ion Ratio Lower Upper
252 100
253 22.2 17.2 25.8
125 12.2 8.2 12.4

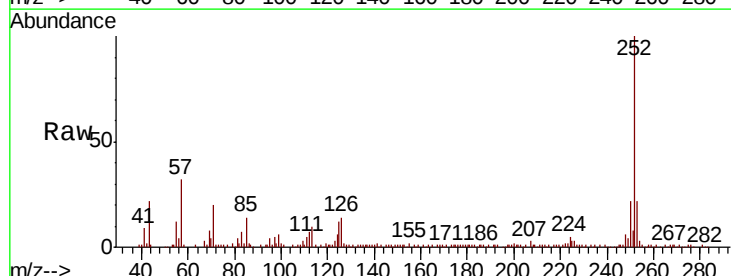


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

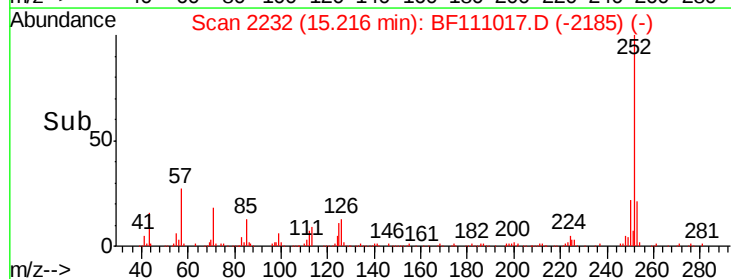
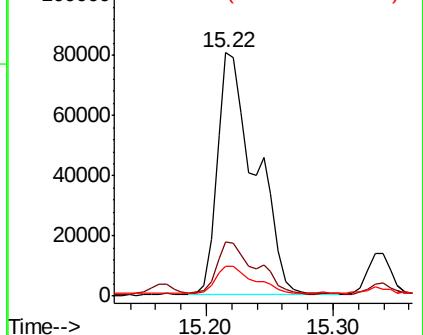


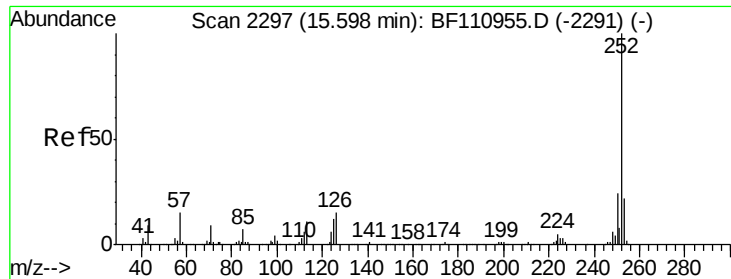
#89
Benzo(k)fluoranthene
Concen: 45.009 ng
RT: 15.22 min Scan# 2232
Delta R.T. -0.02 min
Lab File: BF111017.D
Acq: 27 Nov 2018 18:42

Tgt Ion:252 Resp: 168635
Ion Ratio Lower Upper
252 100
253 22.2 17.2 25.8
125 12.2 7.4 11.0#



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

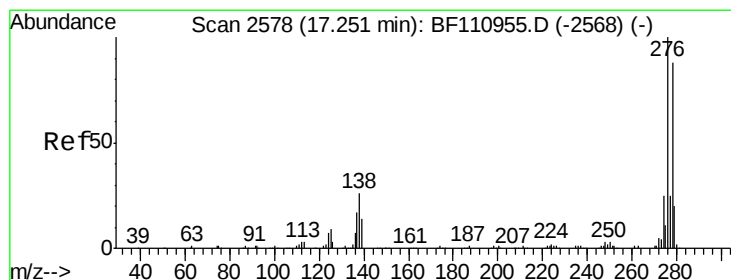
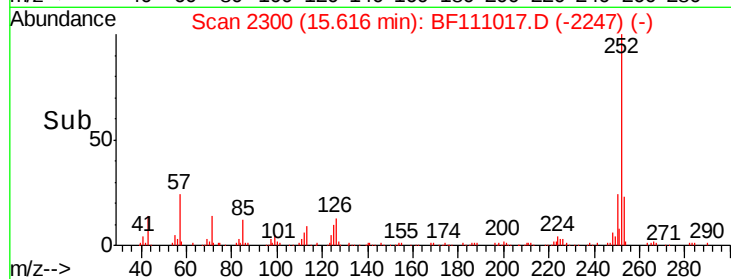
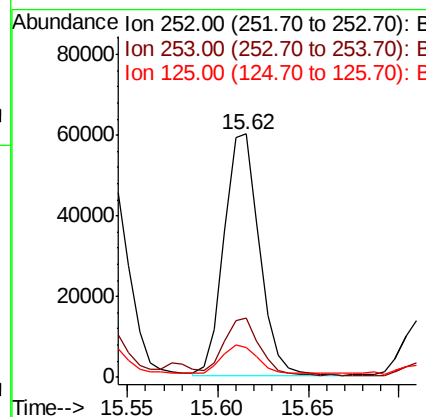
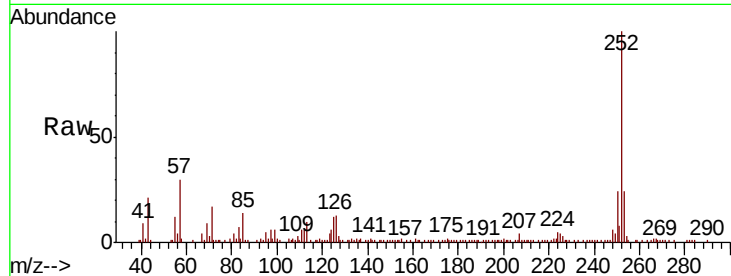




#90
Benzo(a)pyrene
Concen: 24.136 ng
RT: 15.62 min Scan# 2300
Delta R.T. 0.01 min
Lab File: BF111017.D
Acq: 27 Nov 2018 18:42

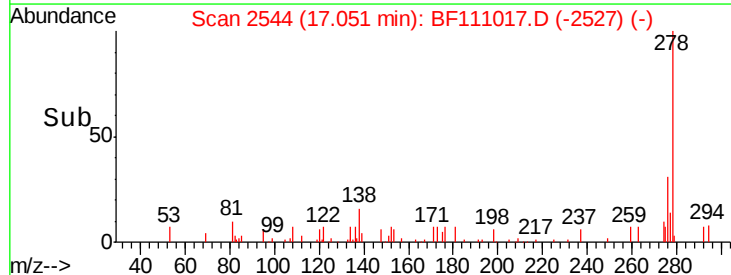
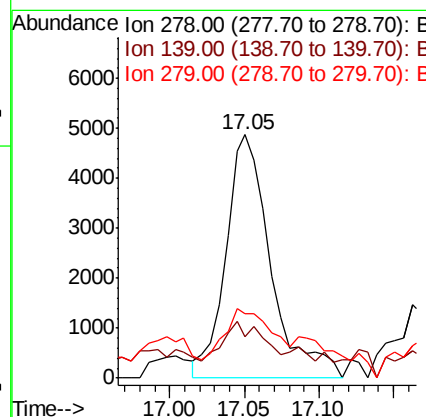
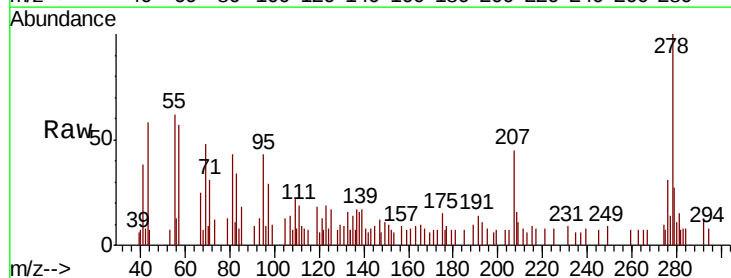
Instrument :
BNA_F
ClientSampleId :
B-20(1-10)

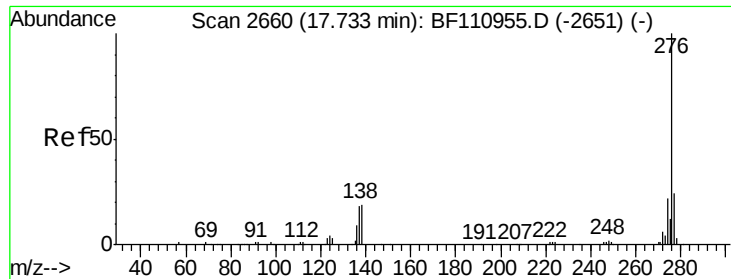
Tgt Ion:252 Resp: 81780
Ion Ratio Lower Upper
252 100
253 24.4 18.2 27.4
125 12.0 9.0 13.6



#91
Dibenzo(a,h)anthracene
Concen: 3.660 ng
RT: 17.05 min Scan# 2544
Delta R.T. -0.20 min
Lab File: BF111017.D
Acq: 27 Nov 2018 18:42

Tgt Ion:278 Resp: 10231
Ion Ratio Lower Upper
278 100
139 17.0 12.7 19.1
279 26.5 19.0 28.4





#92

Benzo(g,h,i)perylene

Concen: 16.582 ng

RT: 17.76 min Scan# 2665

Delta R.T. 0.02 min

Lab File: BF111017.D

Acq: 27 Nov 2018 18:42

Instrument :

BNA_F

ClientSampleId :

B-20(1-10)

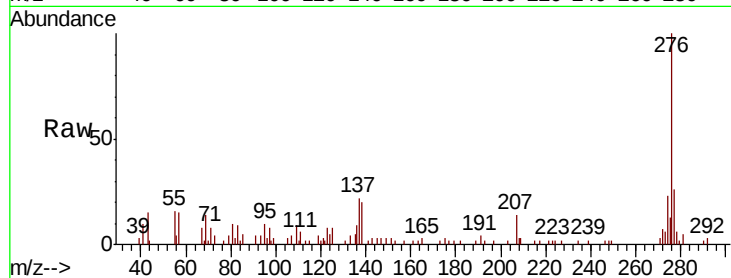
Tgt Ion:276 Resp: 44697

Ion Ratio Lower Upper

276 100

277 25.9 18.8 28.2

138 19.9 16.0 24.0



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

