

Data Path : Z:\HPCHEM1\BNA F\DATA\BF060817\
 Data File : BF095780.D
 Acq On : 8 Jun 2017 13:24
 Operator : SJ/MA
 Sample : I3469-03
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jun 08 16:50:06 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF060517.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jun 08 11:19:45 2017
 Response via : Initial Calibration

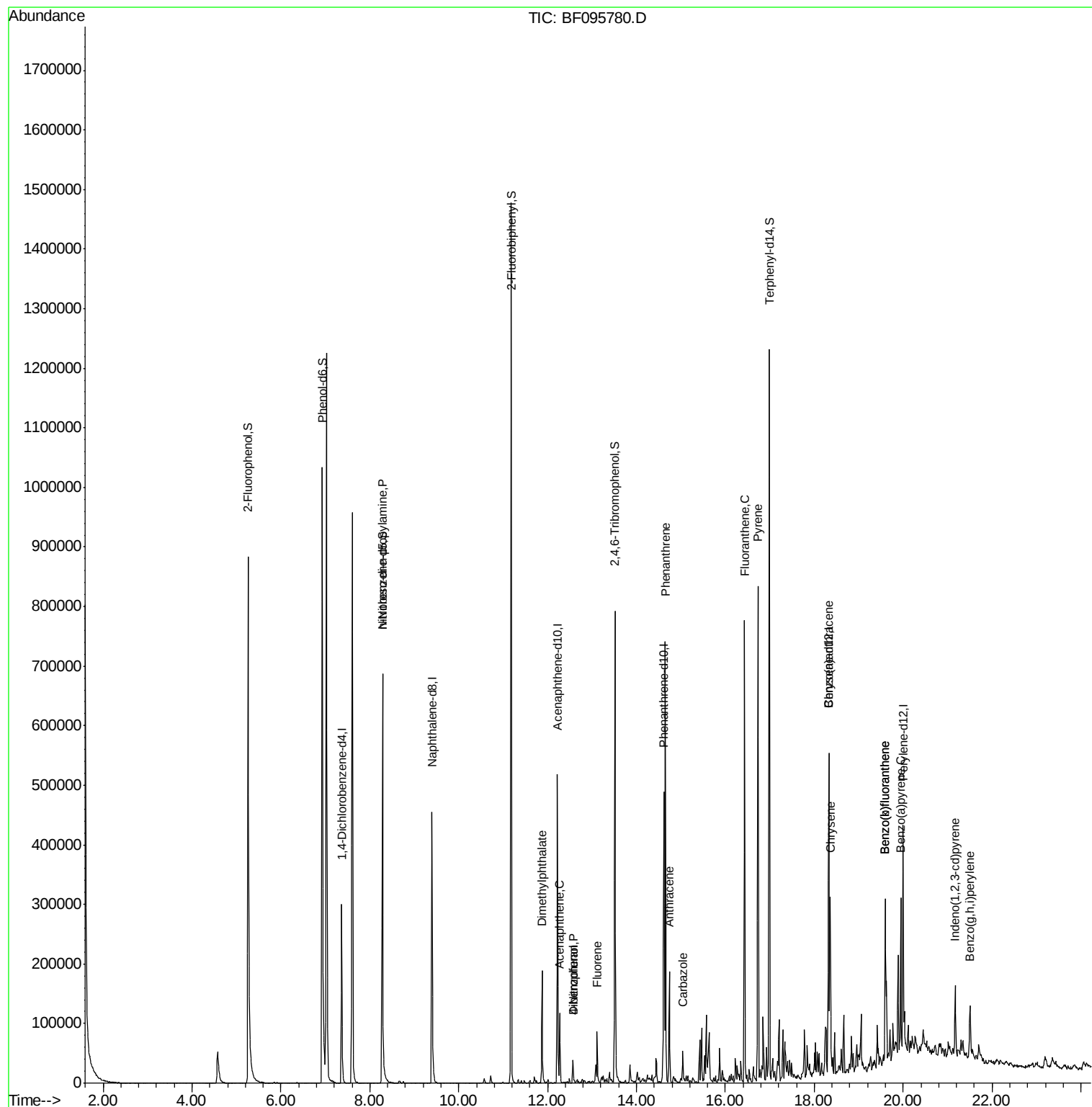
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.37	152	74906	20.00	ng	0.00
21) Naphthalene-d8	9.40	136	309735	20.00	ng	0.00
38) Acenaphthene-d10	12.22	164	139126	20.00	ng	0.00
63) Phenanthrene-d10	14.62	188	237950	20.00	ng	0.00
75) Chrysene-d12	18.33	240	158895	20.00	ng	0.00
86) Perylene-d12	20.00	264	145069	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.26	112	490011	104.24	ng	0.00
7) Phenol-d6	6.93	99	627461	111.49	ng	0.00
23) Nitrobenzene-d5	8.29	82	364598	73.11	ng	0.00
41) 2,4,6-Tribromophenol	13.52	330	126023	102.38	ng	-0.01
44) 2-Fluorobiphenyl	11.18	172	657410	65.76	ng	0.00
78) Terphenyl-d14	16.99	244	444449	69.42	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propylamine	8.29	70	45873	12.86	ng	# 75
49) Dimethylphthalate	11.87	163	116833	11.06	ng	99
51) Acenaphthene	12.27	154	33618	3.80	ng	95
54) Dibenzofuran	12.57	168	25870	2.08	ng	# 90
55) 4-Nitrophenol	12.56	139	8994	10.03	ng	# 25
57) Fluorene	13.12	166	35359	3.26	ng	98
70) Phenanthrene	14.65	178	390015	28.41	ng	98
71) Anthracene	14.74	178	108478	7.57	ng	96
72) Carbazole	15.04	167	33211	2.38	ng	97
74) Fluoranthene	16.43	202	396086	29.15	ng	99
77) Pyrene	16.73	202	333645	28.14	ng	# 95
80) Benzo(a)anthracene	18.32	228	137280	14.86	ng	98
82) Chrysene	18.36	228	119443	12.94	ng	97
85) Indeno(1,2,3-cd)pyrene	21.17	276	59663	7.55	ng	94
87) Benzo(b)fluoranthene	19.60	252	188373	20.74	ng	97
88) Benzo(k)fluoranthene	19.60	252	188373	21.70	ng	96
89) Benzo(a)pyrene	19.94	252	111262	13.33	ng	100
91) Benzo(g,h,i)perylene	21.50	276	57827	8.01	ng	98

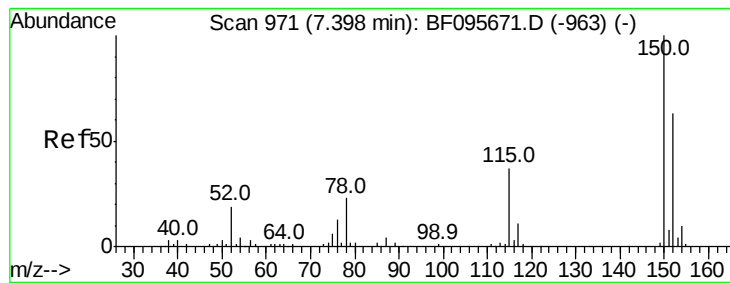
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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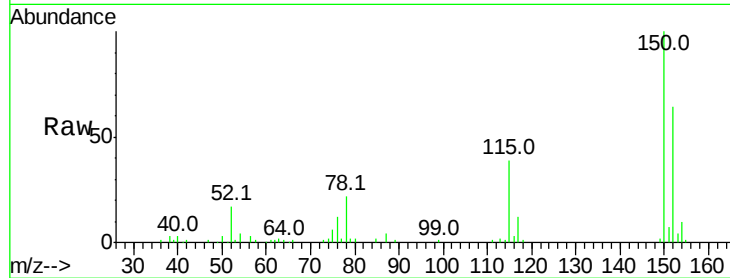


#1

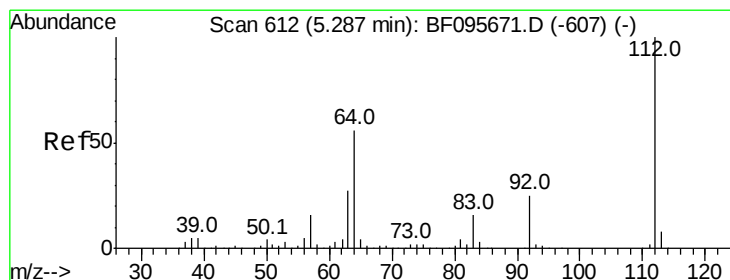
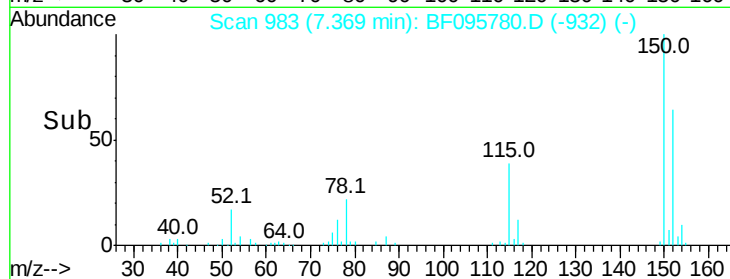
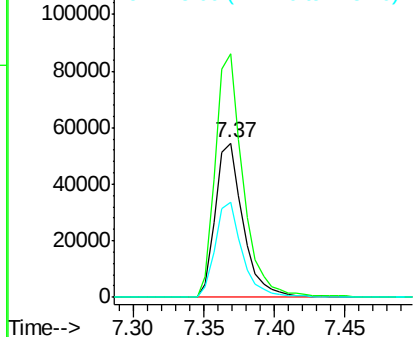
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.37 min Scan# 983
Delta R.T. -0.00 min
Lab File: BF095780.D
Acq: 8 Jun 2017 13:24

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 74906
Ion Ratio Lower Upper
152 100
150 157.5 126.2 189.2
115 61.4 52.2 78.2



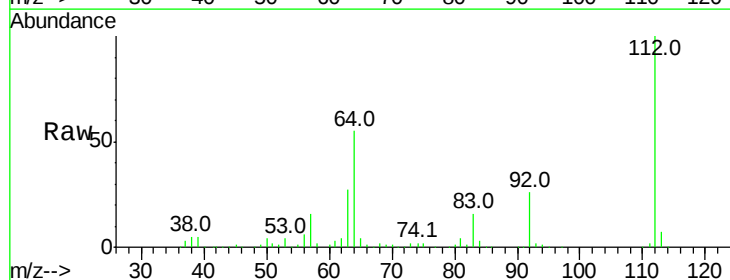
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



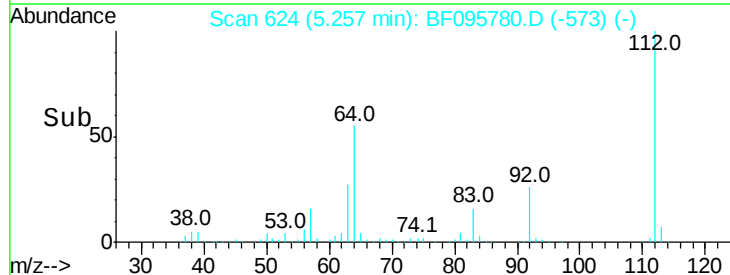
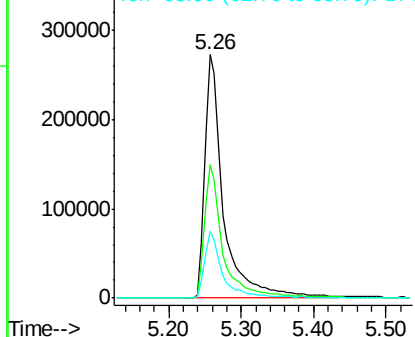
#5

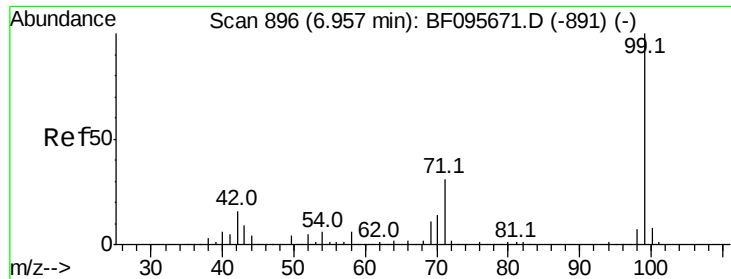
2-Fluorophenol
Concen: 104.24 ng
RT: 5.26 min Scan# 624
Delta R.T. -0.00 min
Lab File: BF095780.D
Acq: 8 Jun 2017 13:24

Tgt Ion:112 Resp: 490011
Ion Ratio Lower Upper
112 100
64 54.7 46.0 69.0
63 27.4 23.4 35.0



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BF0
Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 111.49 ng

RT: 6.93 min Scan# 908

Delta R.T. -0.01 min

Lab File: BF095780.D

Acq: 8 Jun 2017 13:24

Instrument :

BNA_F

ClientSampleId :

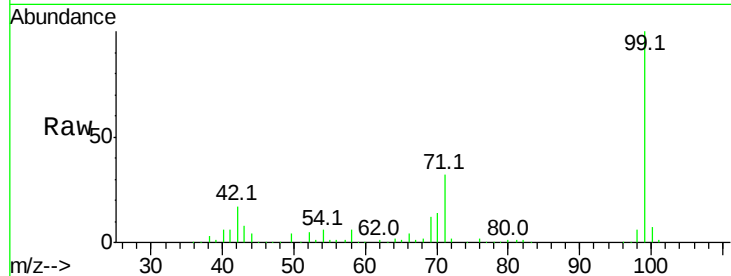
Tot Ion: 99 Resp: 627461

Ion Ratio Lower Upper

99 100

42 16.6 13.5 20.3

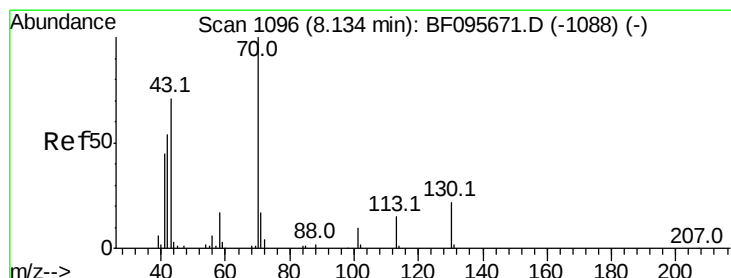
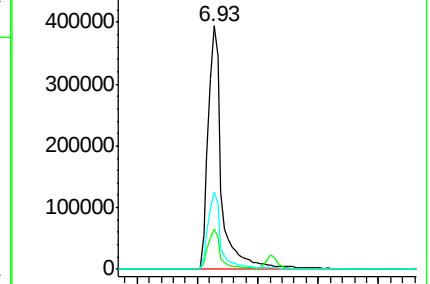
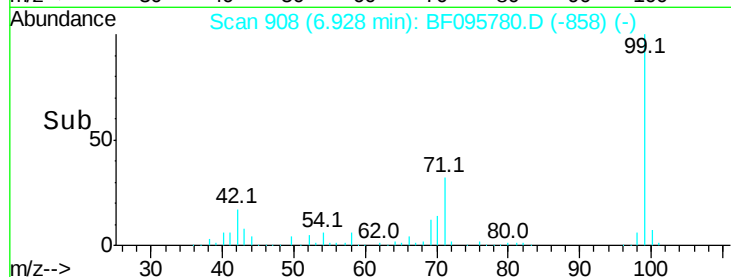
71 31.8 24.5 36.7



Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0



#19

n-Nitroso-di-n-propylamine

Concen: 12.86 ng

RT: 8.29 min Scan# 1139

Delta R.T. 0.18 min

Lab File: BF095780.D

Acq: 8 Jun 2017 13:24

Tgt Ion: 70 Resp: 45873

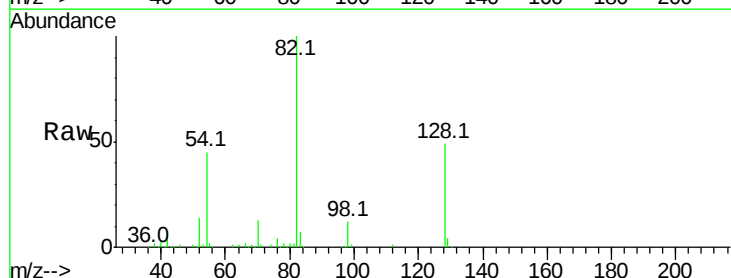
Ion Ratio Lower Upper

70 100

42 42.9 47.2 70.8#

101 0.0 7.2 10.8#

130 3.3 15.9 23.9#

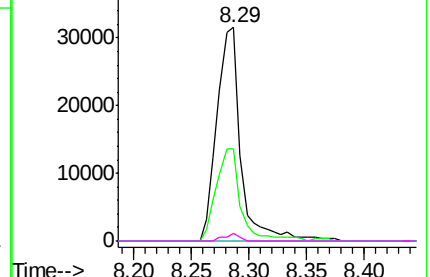
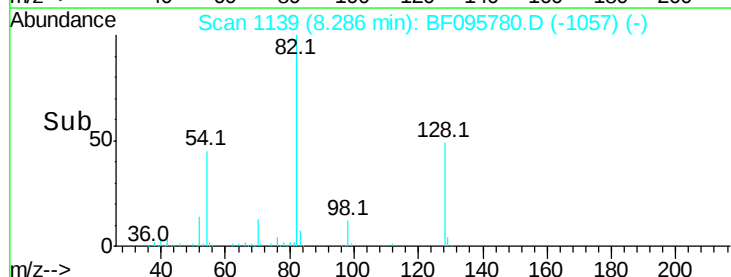


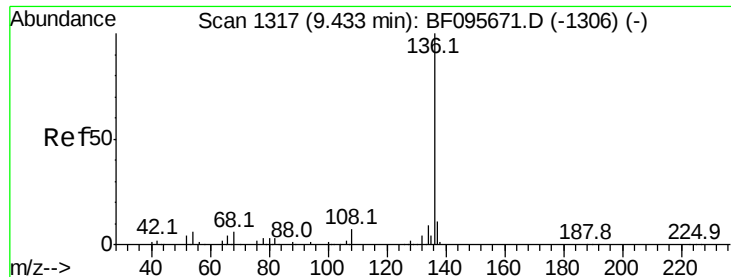
Abundance Ion 70.00 (69.70 to 70.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 101.00 (100.70 to 101.70): BF0

Ion 130.00 (129.70 to 130.70): BF0





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 9.40 min Scan# 1328

Delta R.T. -0.01 min

Lab File: BF095780.D

Acq: 8 Jun 2017 13:24

Instrument :
BNA_F
ClientSampleId :

Tot Ion:136 Resp: 309735

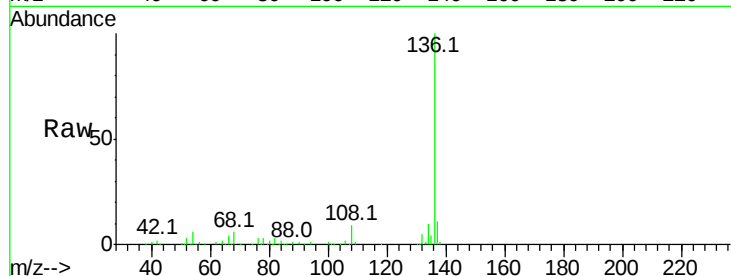
Ion Ratio Lower Upper

136 100

137 10.5 8.5 12.7

54 6.5 4.9 7.3

68 6.1 4.1 6.1

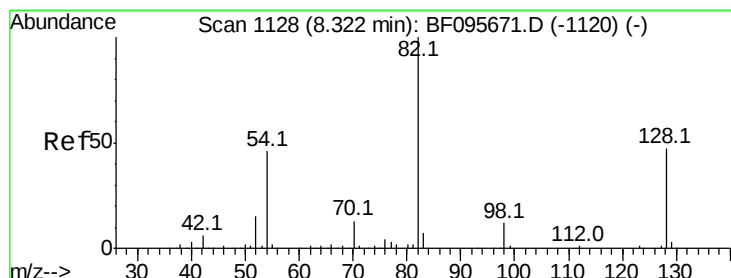
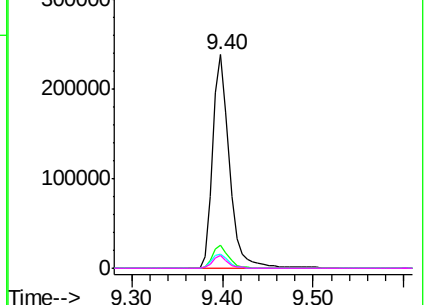
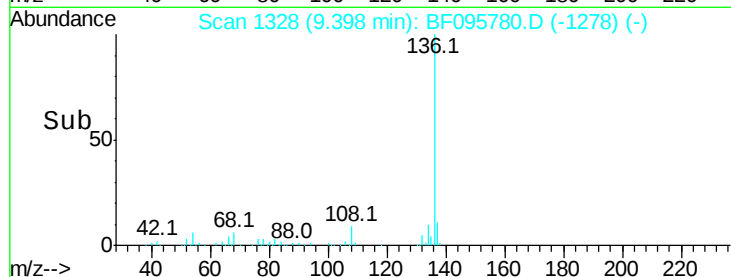


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0



#23

Nitrobenzene-d5

Concen: 73.11 ng

RT: 8.29 min Scan# 1139

Delta R.T. -0.01 min

Lab File: BF095780.D

Acq: 8 Jun 2017 13:24

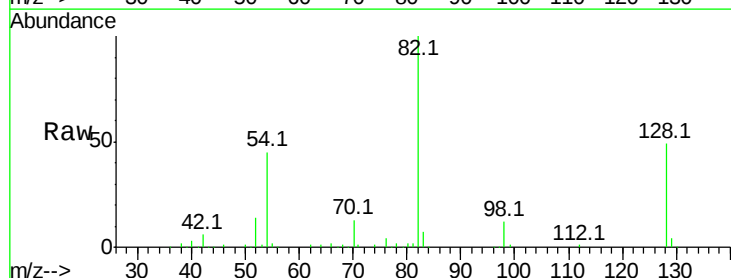
Tgt Ion: 82 Resp: 364598

Ion Ratio Lower Upper

82 100

128 48.5 34.0 51.0

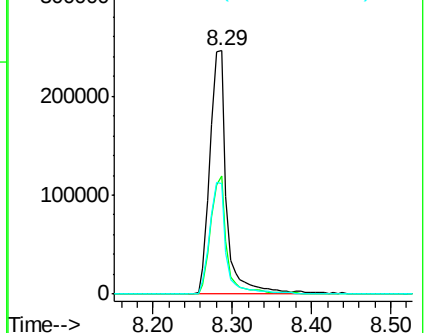
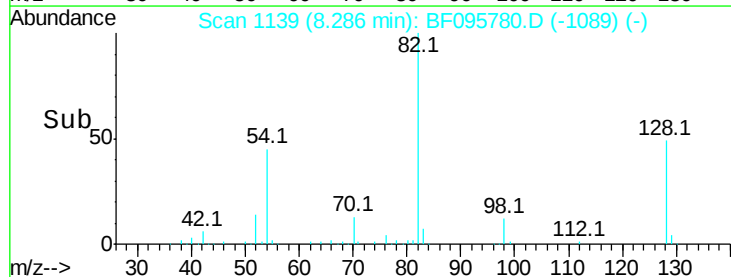
54 45.3 42.2 63.2

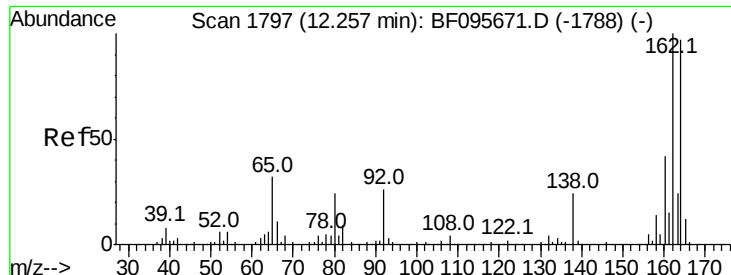


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 12.22 min Scan# 1808

Delta R.T. -0.01 min

Lab File: BF095780.D

Acq: 8 Jun 2017 13:24

Instrument :

BNA_F

ClientSampleId :

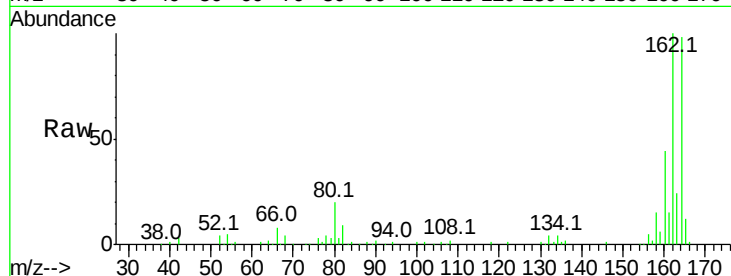
Tot Ion:164 Resp: 139126

Ion Ratio Lower Upper

164 100

162 101.9 82.6 123.8

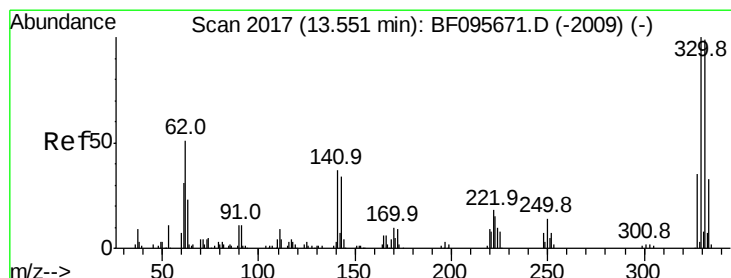
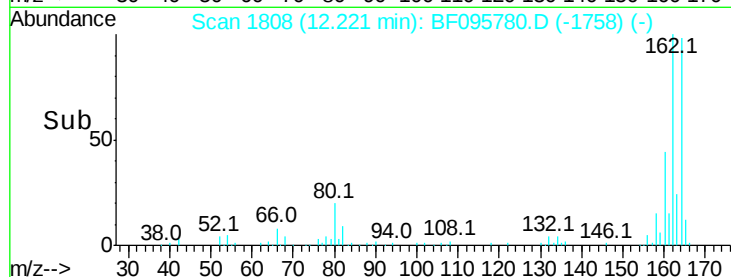
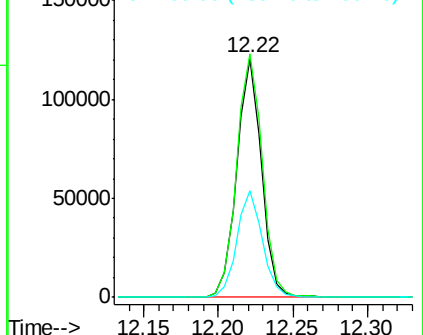
160 44.9 36.2 54.2



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



#41

2,4,6-Tribromophenol

Concen: 102.38 ng

RT: 13.52 min Scan# 2028

Delta R.T. -0.01 min

Lab File: BF095780.D

Acq: 8 Jun 2017 13:24

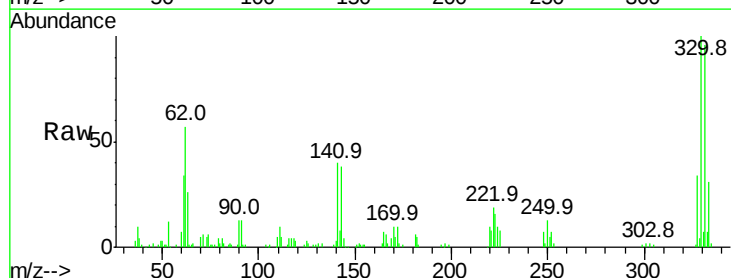
Tgt Ion:330 Resp: 126023

Ion Ratio Lower Upper

330 100

332 97.4 76.6 115.0

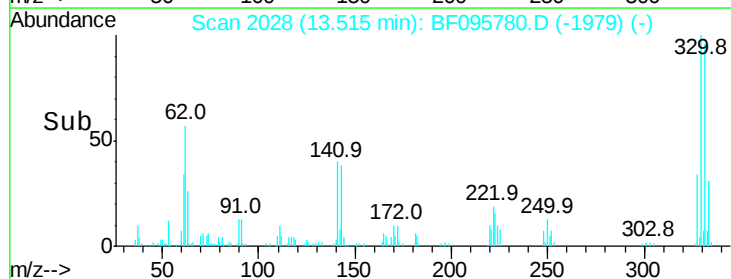
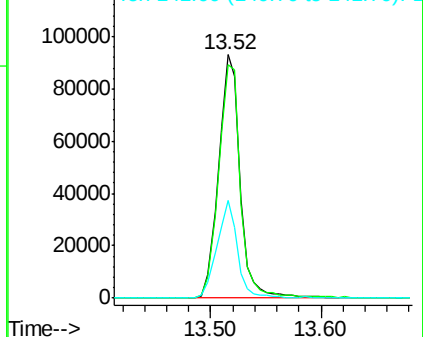
141 37.8 31.4 47.2

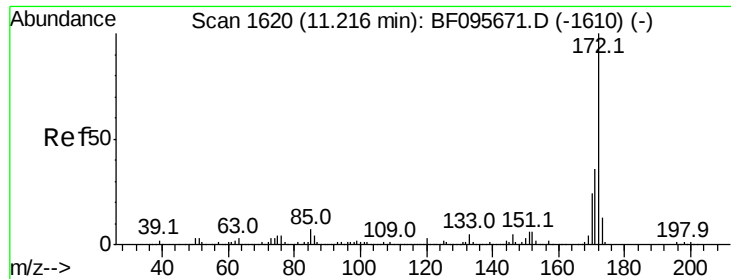


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

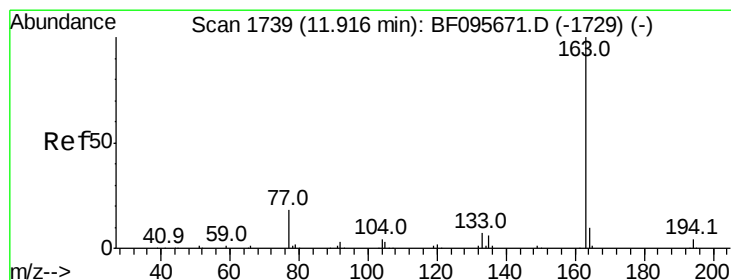
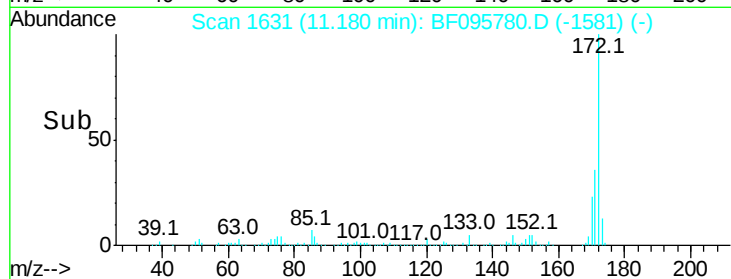
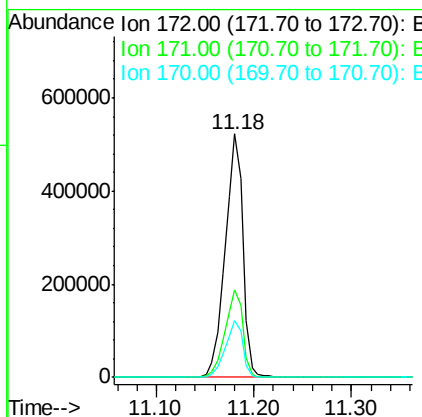
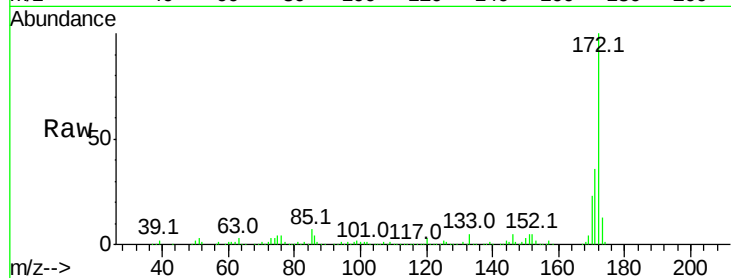




#44
2-Fluorobiphenyl
Concen: 65.76 ng
RT: 11.18 min Scan# 1631
Delta R.T. -0.01 min
Lab File: BF095780.D
Acq: 8 Jun 2017 13:24

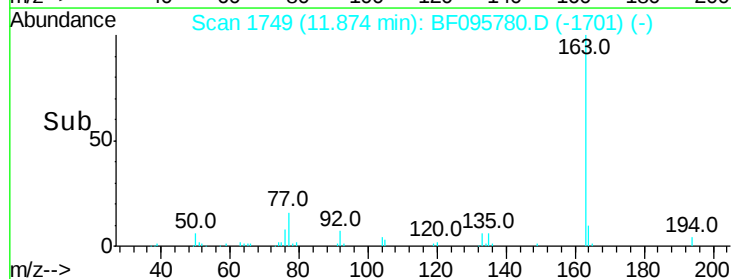
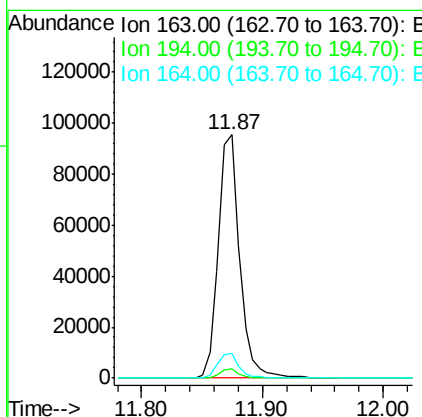
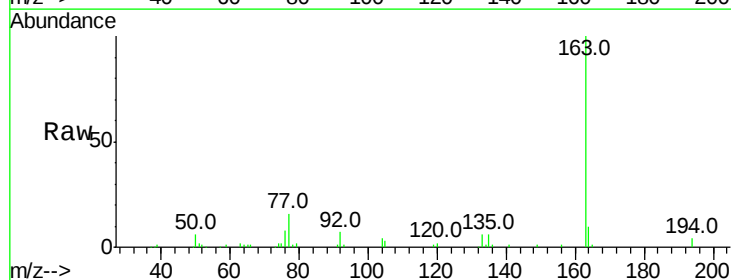
Instrument :
BNA_F
ClientSampleId :

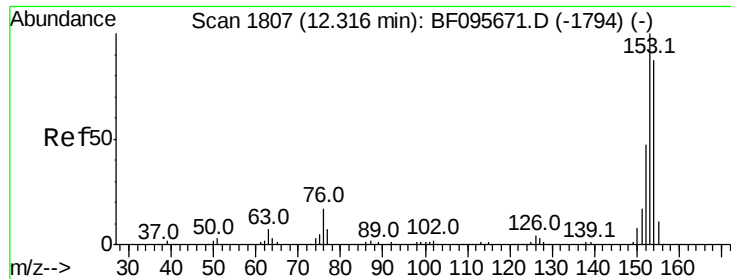
Tot Ion:172 Resp: 657410
Ion Ratio Lower Upper
172 100
171 35.7 29.6 44.4
170 23.3 19.8 29.8



#49
Dimethylphthalate
Concen: 11.06 ng
RT: 11.87 min Scan# 1749
Delta R.T. -0.02 min
Lab File: BF095780.D
Acq: 8 Jun 2017 13:24

Tgt Ion:163 Resp: 116833
Ion Ratio Lower Upper
163 100
194 3.7 2.6 4.0
164 10.3 8.4 12.6





#51

Acenaphthene

Concen: 3.80 ng

RT: 12.27 min Scan# 1817

Delta R.T. -0.01 min

Lab File: BF095780.D

Acq: 8 Jun 2017 13:24

Instrument :

BNA_F

ClientSampleId :

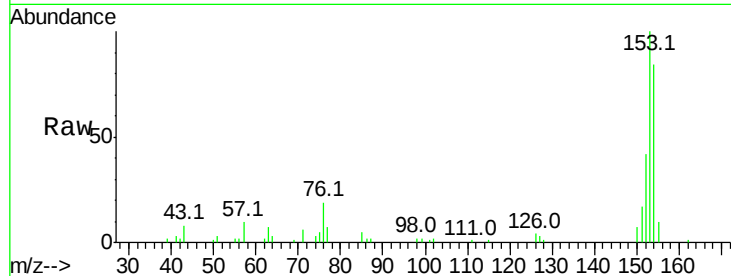
Tot Ion:154 Resp: 33618

Ion Ratio Lower Upper

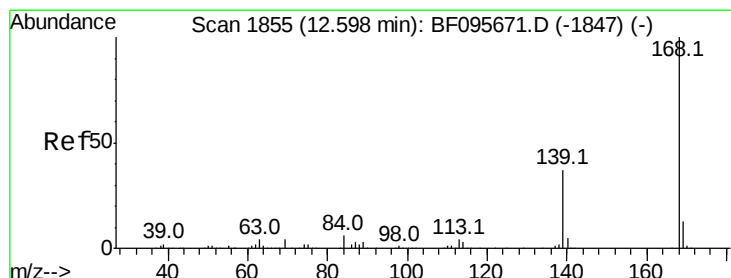
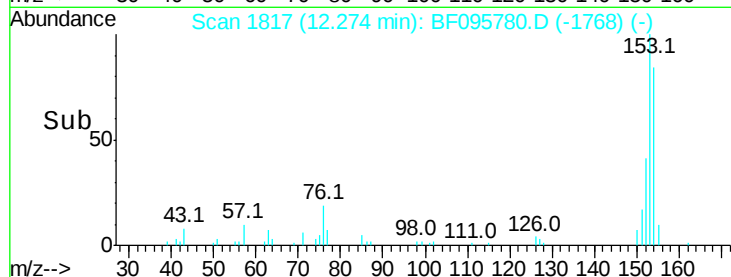
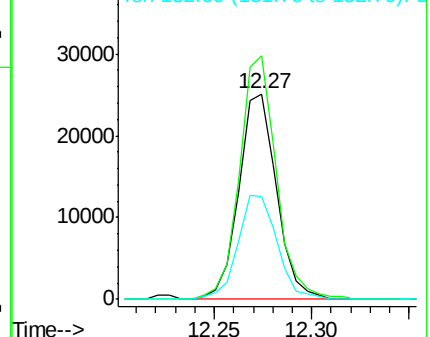
154 100

153 118.4 90.5 135.7

152 50.0 43.6 65.4



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



#54

Dibenzofuran

Concen: 2.08 ng

RT: 12.57 min Scan# 1867

Delta R.T. -0.00 min

Lab File: BF095780.D

Acq: 8 Jun 2017 13:24

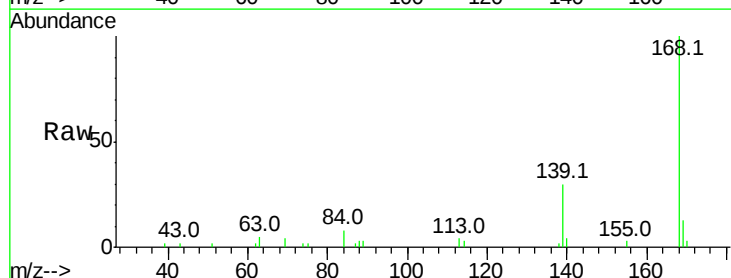
Tgt Ion:168 Resp: 25870

Ion Ratio Lower Upper

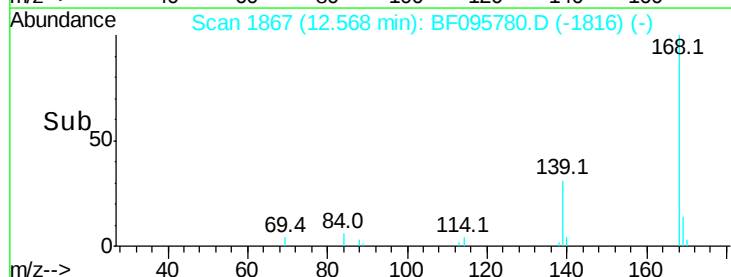
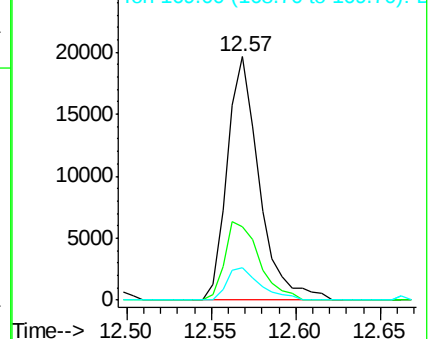
168 100

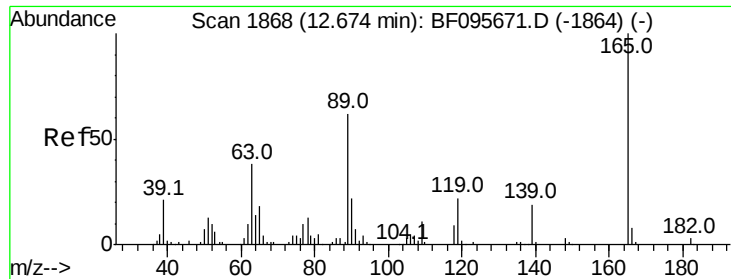
139 30.1 30.6 45.8#

169 13.3 10.8 16.2



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





#55

4-Nitrophenol

Concen: 10.03 ng

RT: 12.56 min Scan# 1866

Delta R.T. -0.09 min

Lab File: BF095780.D

Acq: 8 Jun 2017 13:24

Instrument :

BNA_F

ClientSampled :

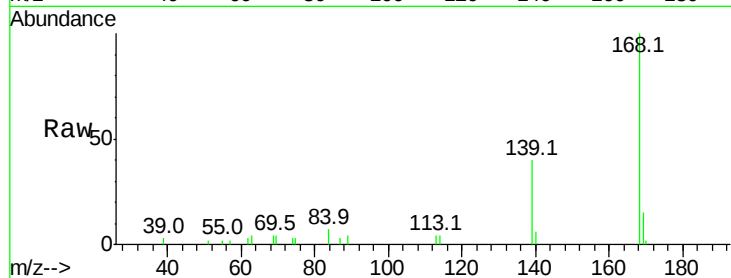
Tot Ion:139 Resp: 8994

Ion Ratio Lower Upper

139 100

109 0.0 34.1 74.1#

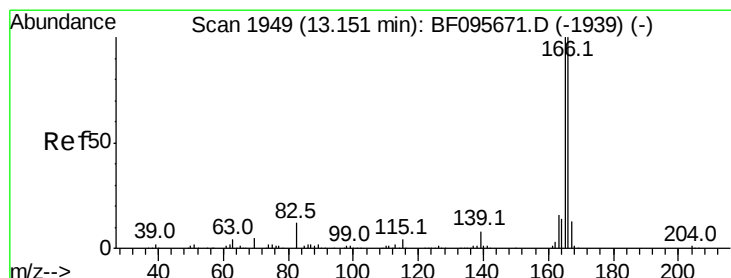
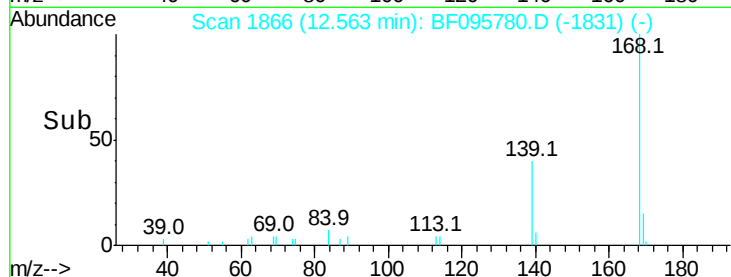
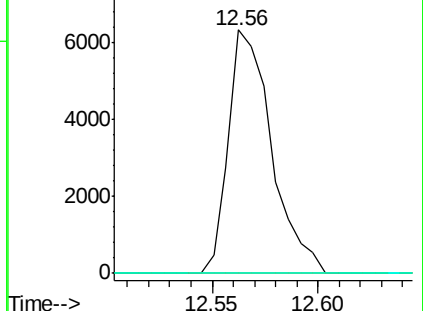
65 0.0 31.4 71.4#



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): E



#57

Fluorene

Concen: 3.26 ng

RT: 13.12 min Scan# 1960

Delta R.T. -0.01 min

Lab File: BF095780.D

Acq: 8 Jun 2017 13:24

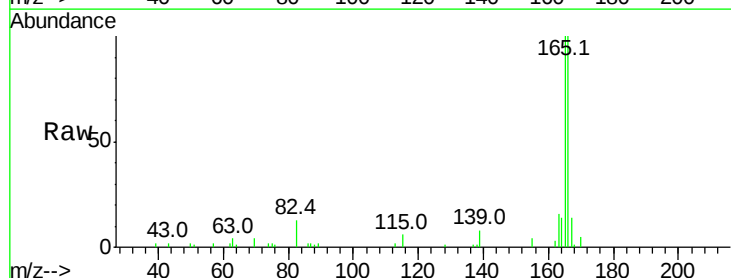
Tgt Ion:166 Resp: 35359

Ion Ratio Lower Upper

166 100

165 100.4 78.8 118.2

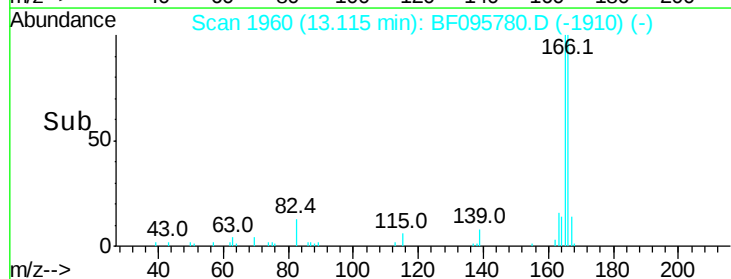
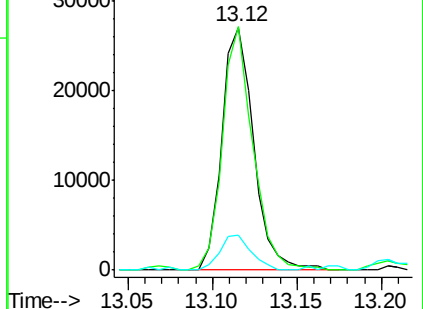
167 14.4 10.6 16.0

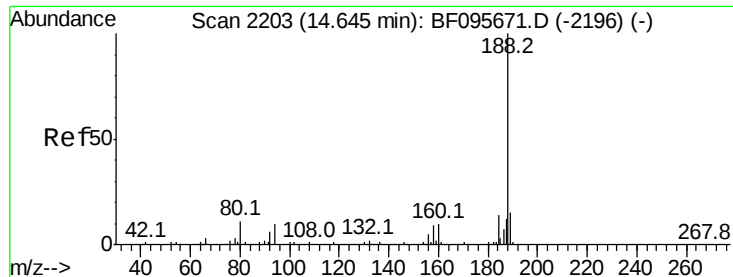


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E

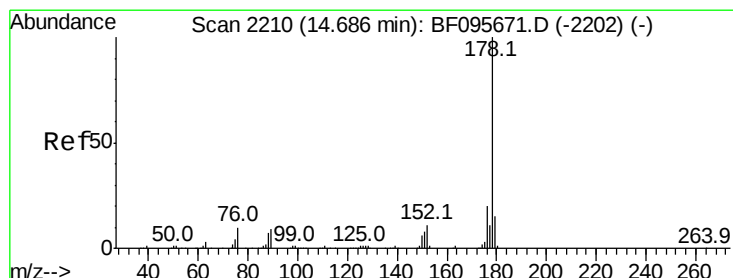
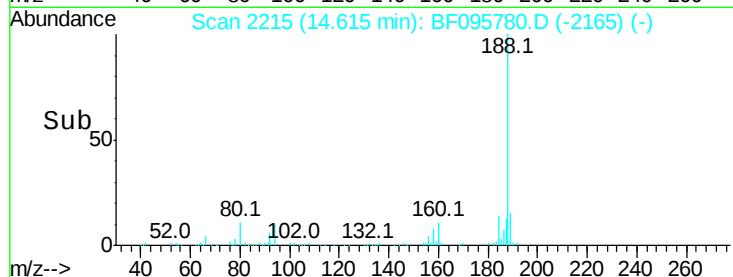
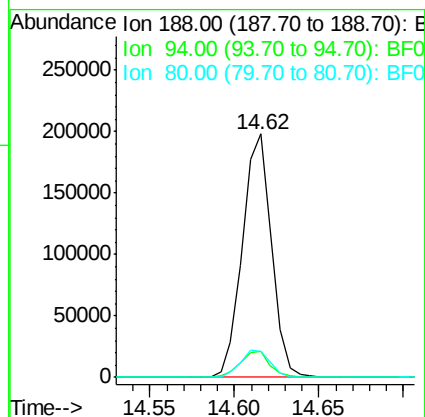
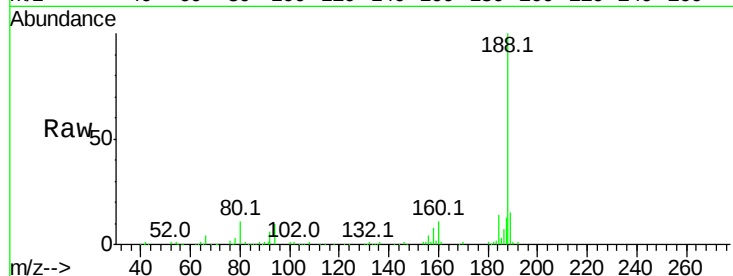




#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 14.62 min Scan# 2215
Delta R.T. -0.01 min
Lab File: BF095780.D
Acq: 8 Jun 2017 13:24

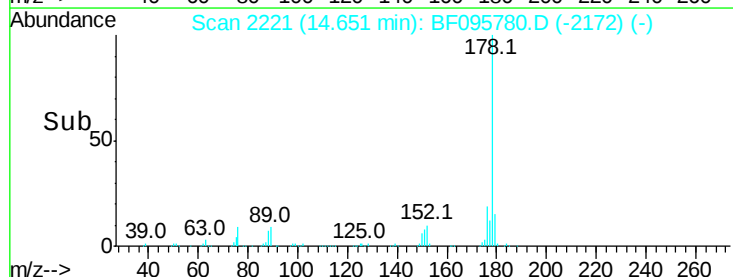
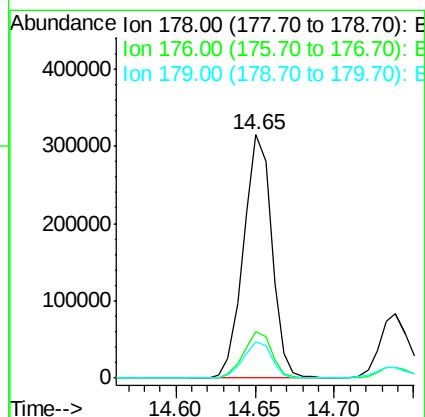
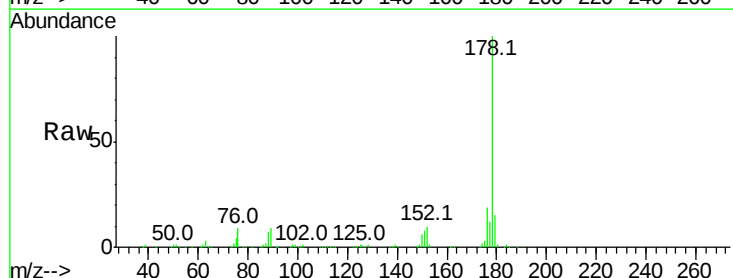
Instrument :
BNA_F
ClientSampleId :

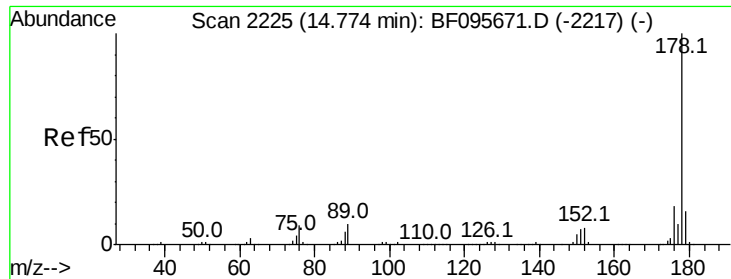
Tot Ion:188 Resp: 237950
Ion Ratio Lower Upper
188 100
94 10.5 9.4 14.2
80 10.7 10.2 15.2



#70
Phenanthrene
Concen: 28.41 ng
RT: 14.65 min Scan# 2221
Delta R.T. -0.01 min
Lab File: BF095780.D
Acq: 8 Jun 2017 13:24

Tgt Ion:178 Resp: 390015
Ion Ratio Lower Upper
178 100
176 19.1 16.2 24.4
179 15.0 12.6 19.0

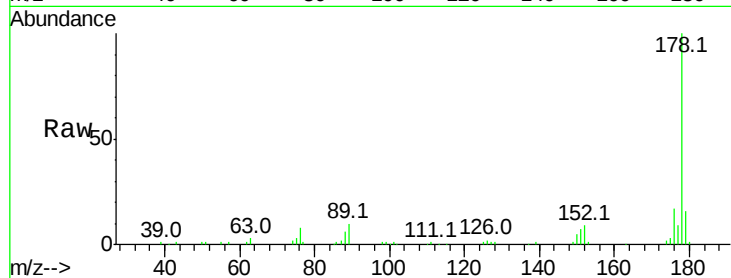




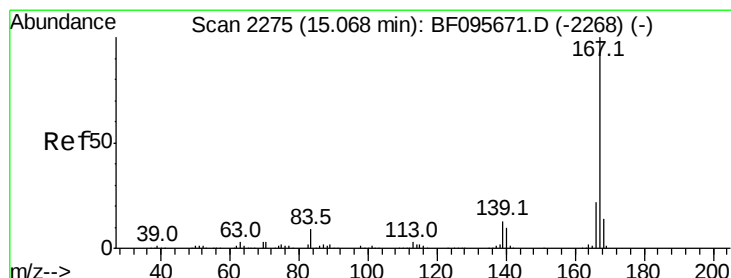
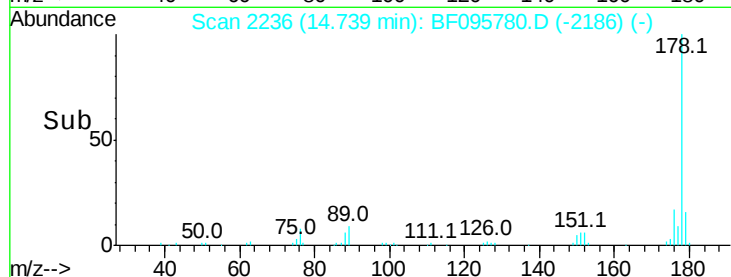
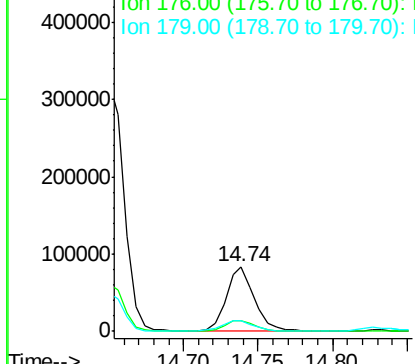
#71
 Anthracene
 Concen: 7.57 ng
 RT: 14.74 min Scan# 2236
 Delta R.T. -0.01 min
 Lab File: BF095780.D
 Acq: 8 Jun 2017 13:24

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:178 Resp: 108478
 Ion Ratio Lower Upper
 178 100
 176 17.3 15.8 23.8
 179 16.4 12.7 19.1

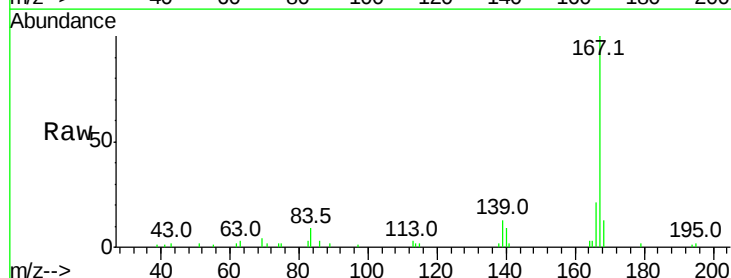


Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E

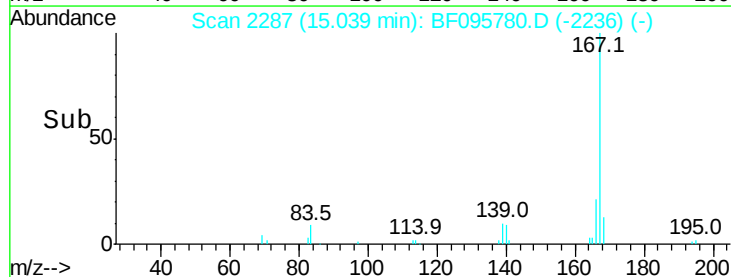
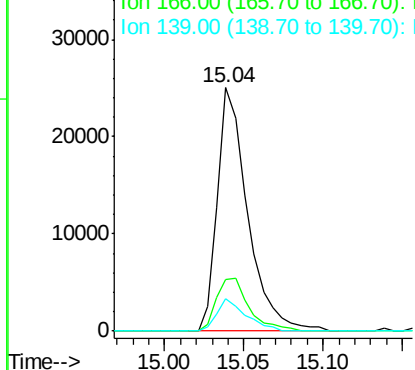


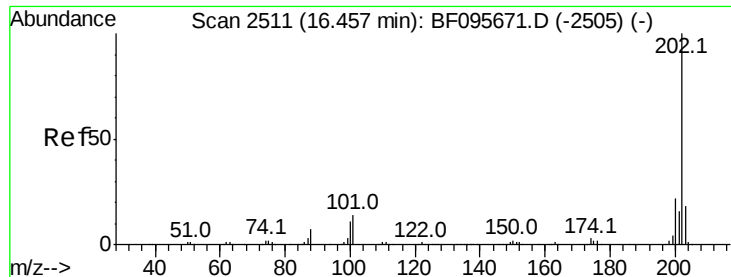
#72
 Carbazole
 Concen: 2.38 ng
 RT: 15.04 min Scan# 2287
 Delta R.T. -0.00 min
 Lab File: BF095780.D
 Acq: 8 Jun 2017 13:24

Tgt Ion:167 Resp: 33211
 Ion Ratio Lower Upper
 167 100
 166 21.0 18.1 27.1
 139 13.1 11.7 17.5



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

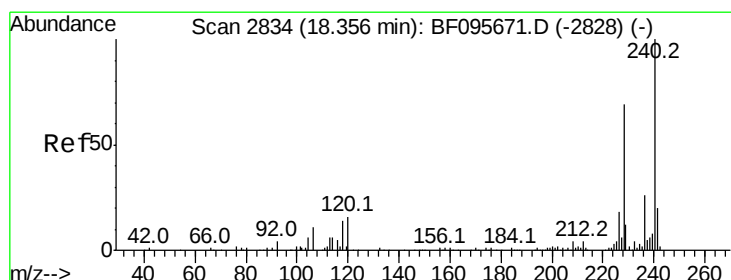
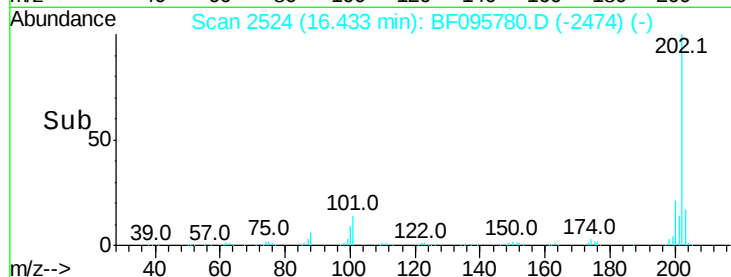
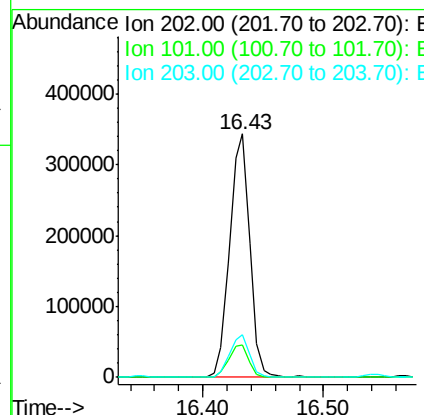
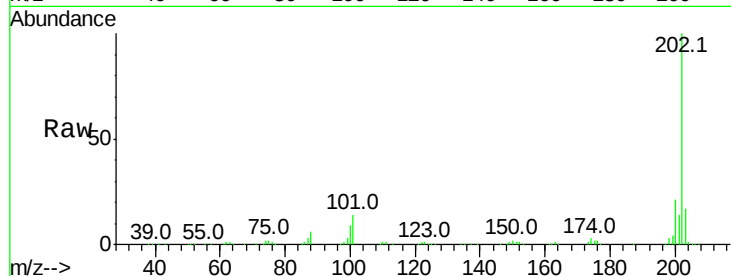




#74
 Fluoranthene
 Concen: 29.15 ng
 RT: 16.43 min Scan# 2524
 Delta R.T. -0.01 min
 Lab File: BF095780.D
 Acq: 8 Jun 2017 13:24

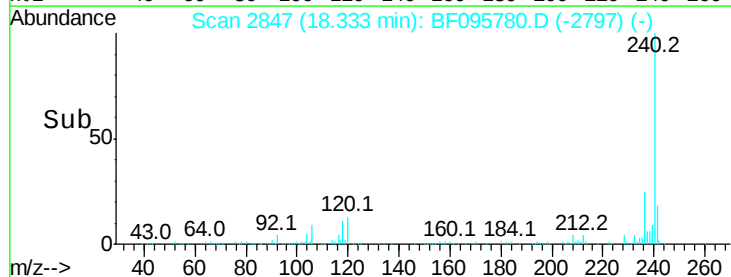
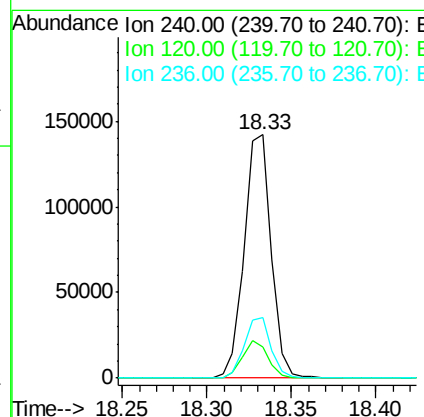
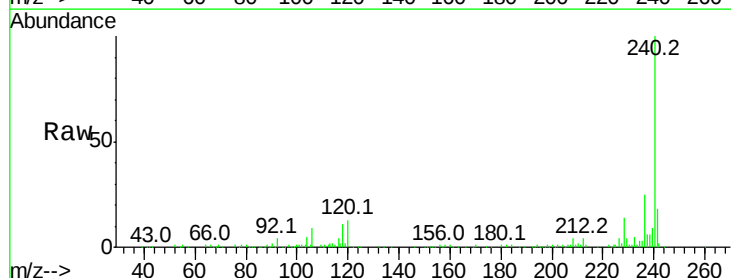
Instrument :
 BNA_F
 ClientSampleId :

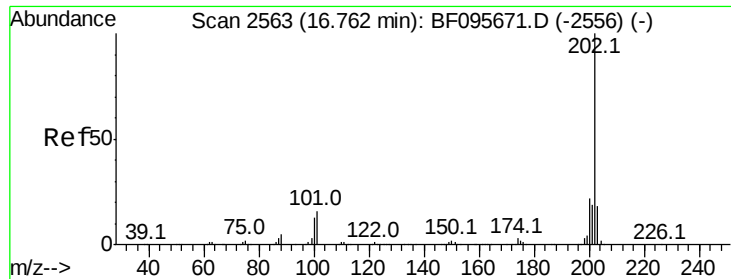
Tot Ion	Ratio	Lower	Upper
202	100		
101	13.5	0.0	33.2
203	17.3	0.0	38.1



#75
 Chrysene-d12
 Concen: 20.00 ng
 RT: 18.33 min Scan# 2847
 Delta R.T. -0.01 min
 Lab File: BF095780.D
 Acq: 8 Jun 2017 13:24

Tgt Ion	Ratio	Lower	Upper
240	100		
120	13.0	5.8	8.8#
236	24.6	20.5	30.7





#77

Pvrene

Concen: 28.14 ng

RT: 16.73 min Scan# 2575

Delta R.T. -0.01 min

Lab File: BF095780.D

Acq: 8 Jun 2017 13:24

Instrument :

BNA_F

ClientSampleId :

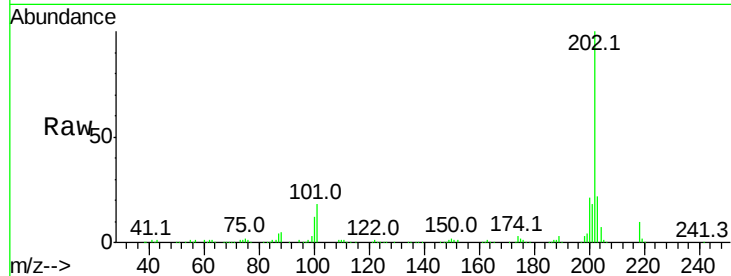
Tot Ion:202 Resp: 333645

Ion Ratio Lower Upper

202 100

200 21.3 17.6 26.4

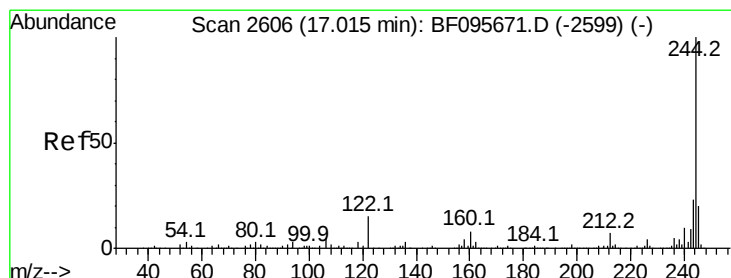
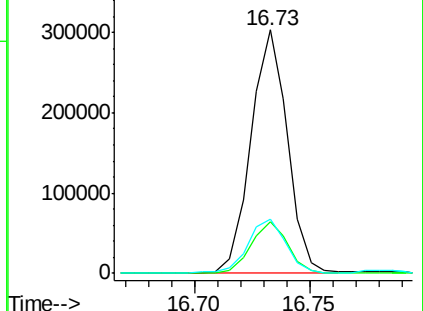
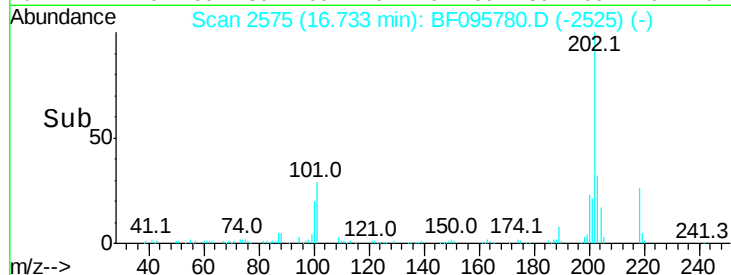
203 22.2 14.4 21.6#



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



#78

Terphenyl-d14

Concen: 69.42 ng

RT: 16.99 min Scan# 2619

Delta R.T. -0.01 min

Lab File: BF095780.D

Acq: 8 Jun 2017 13:24

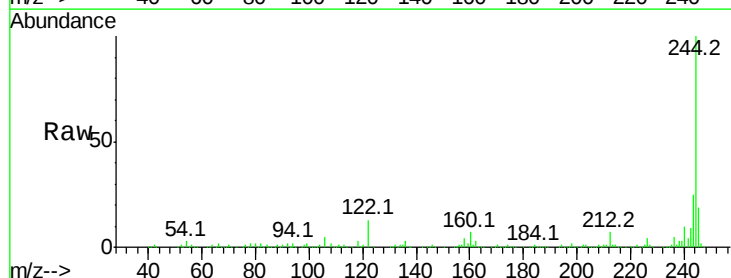
Tgt Ion:244 Resp: 444449

Ion Ratio Lower Upper

244 100

212 6.8 6.0 9.0

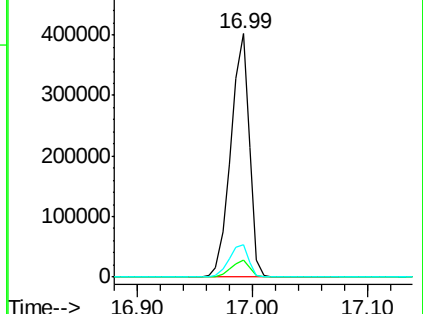
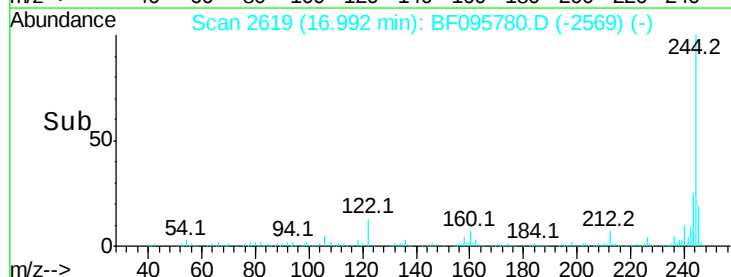
122 13.3 10.3 15.5

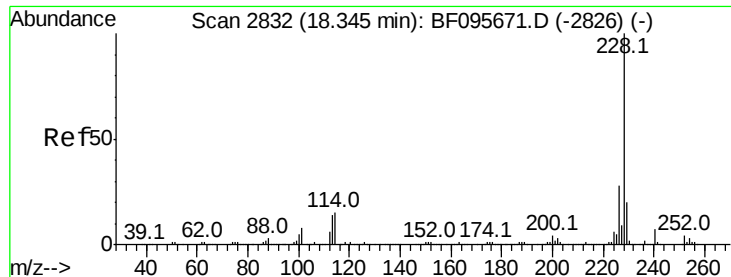


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#80

Benzo(a)anthracene

Concen: 14.86 ng

RT: 18.32 min Scan# 2845

Delta R.T. -0.01 min

Lab File: BF095780.D

Acq: 8 Jun 2017 13:24

Instrument :

BNA_F

ClientSampleId :

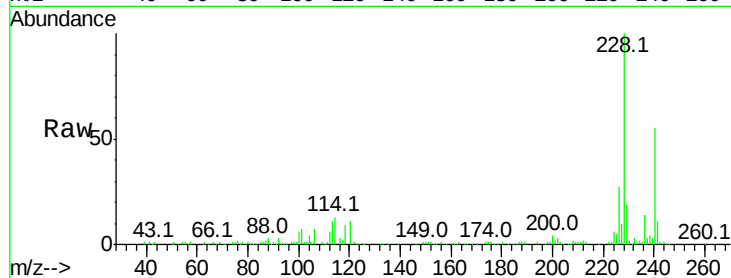
Tot Ion:228 Resp: 137280

Ion Ratio Lower Upper

228 100

226 27.4 22.6 33.8

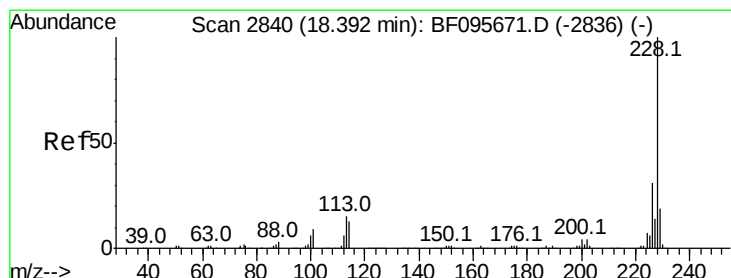
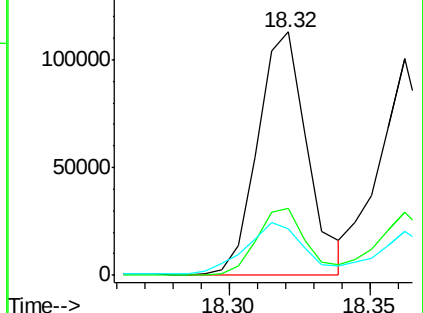
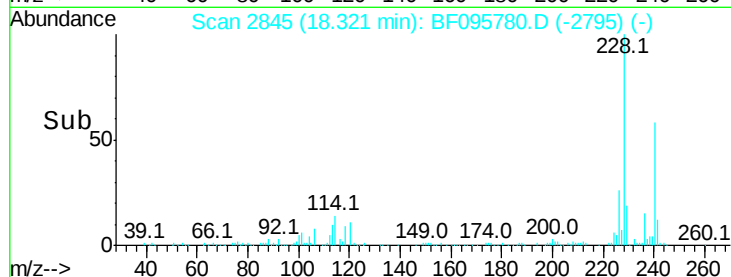
229 19.2 16.3 24.5



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



#82

Chrysene

Concen: 12.94 ng

RT: 18.36 min Scan# 2852

Delta R.T. -0.01 min

Lab File: BF095780.D

Acq: 8 Jun 2017 13:24

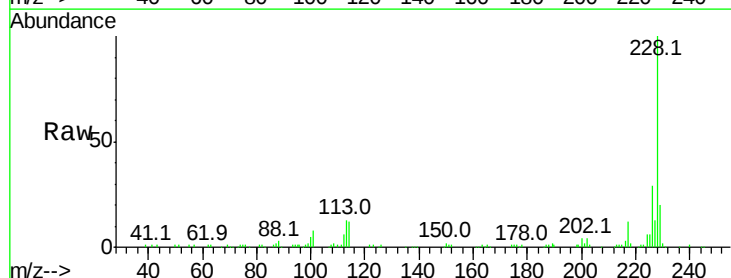
Tgt Ion:228 Resp: 119443

Ion Ratio Lower Upper

228 100

226 29.1 24.9 37.3

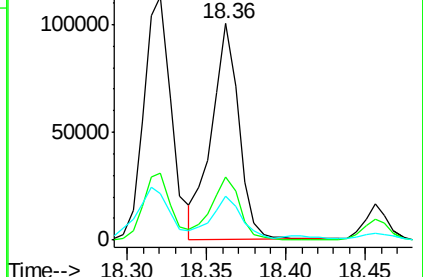
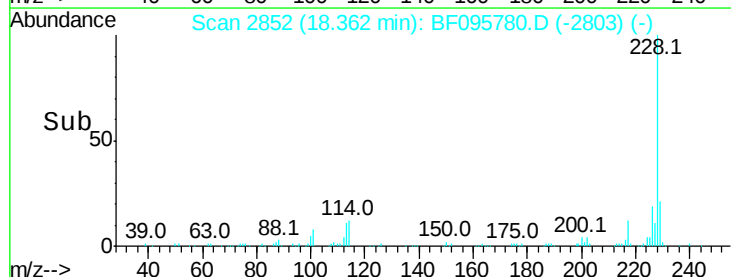
229 20.5 15.8 23.6

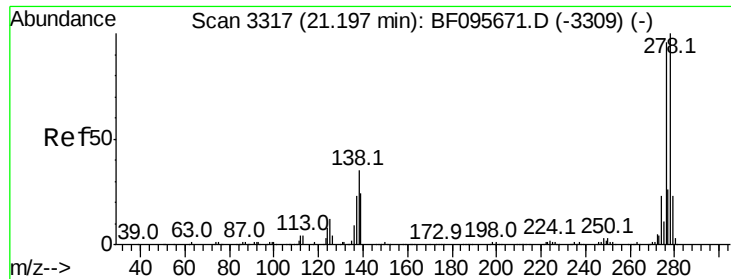


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

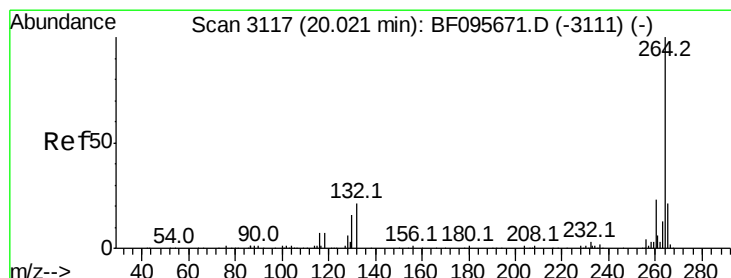
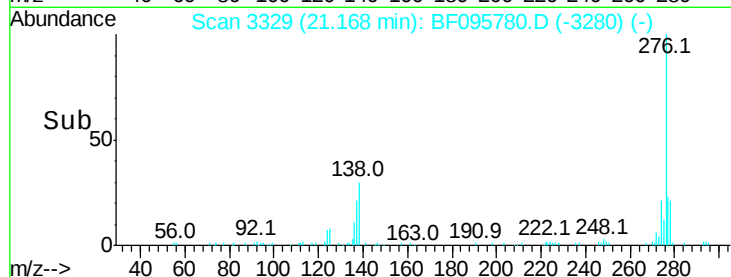
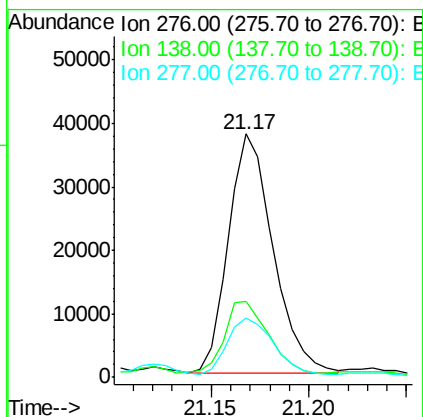
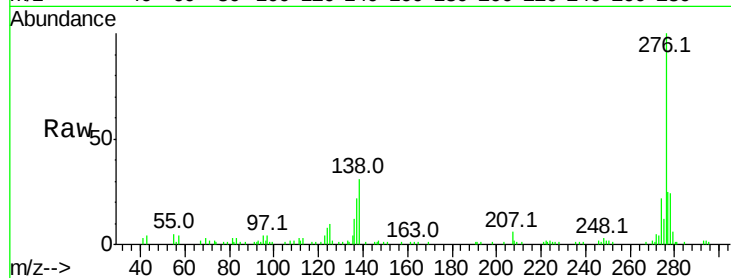




#85
 Indeno(1,2,3-cd)pyrene
 Concen: 7.55 ng
 RT: 21.17 min Scan# 3329
 Delta R.T. -0.01 min
 Lab File: BF095780.D
 Acq: 8 Jun 2017 13:24

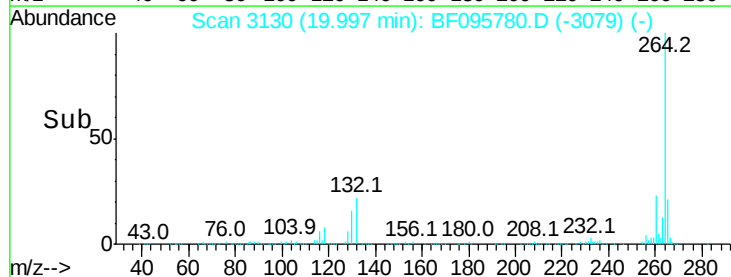
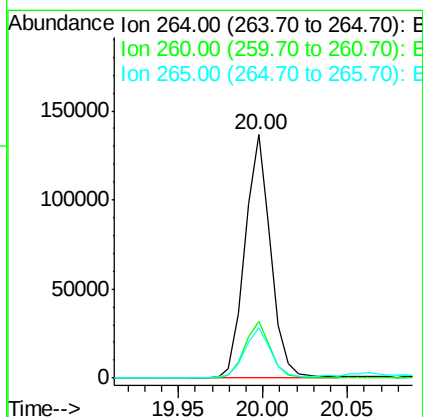
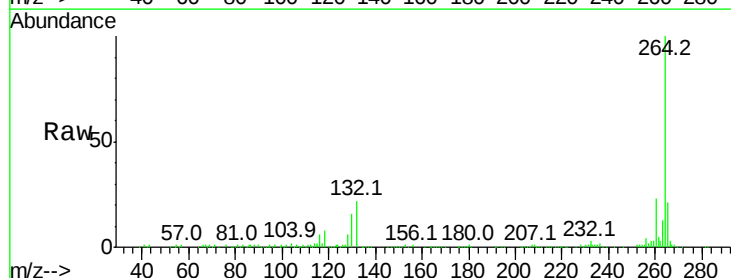
Instrument :
 BNA_F
 ClientSampleId :

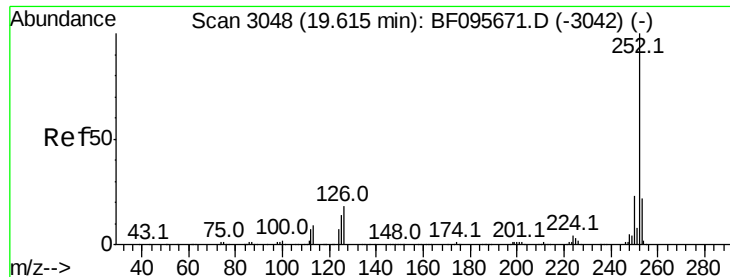
Tot Ion:276 Resp: 59663
 Ion Ratio Lower Upper
 276 100
 138 30.5 27.8 41.6
 277 27.0 20.2 30.4



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 20.00 min Scan# 3130
 Delta R.T. -0.00 min
 Lab File: BF095780.D
 Acq: 8 Jun 2017 13:24

Tgt Ion:264 Resp: 145069
 Ion Ratio Lower Upper
 264 100
 260 23.3 19.5 29.3
 265 20.8 17.2 25.8





#87

Benzo(b)fluoranthene

Concen: 20.74 ng

RT: 19.60 min Scan# 3062

Delta R.T. -0.00 min

Lab File: BF095780.D

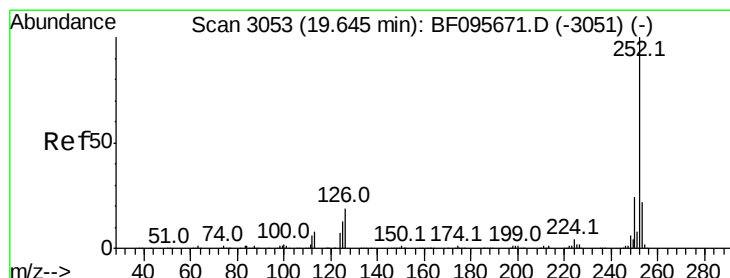
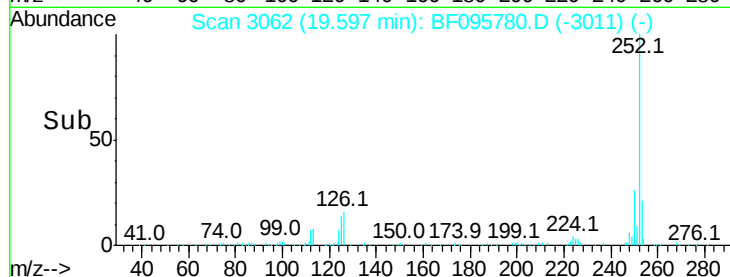
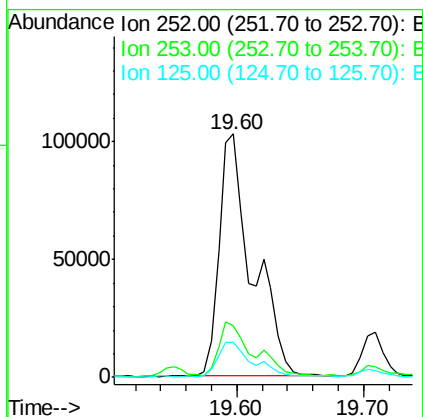
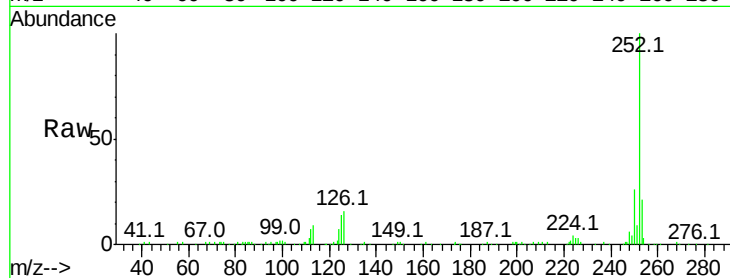
Acq: 8 Jun 2017 13:24

Instrument :

BNA_F

ClientSampleId :

Tot Ion:252	Resp:	188373
Ion Ratio	Lower	Upper
252	100	
253	21.4	18.1 27.1
125	14.1	9.8 14.8



#88

Benzo(k)fluoranthene

Concen: 21.70 ng

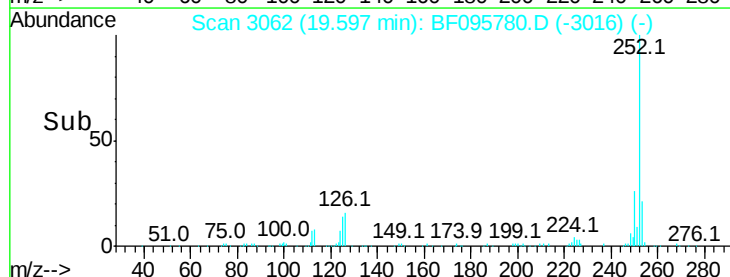
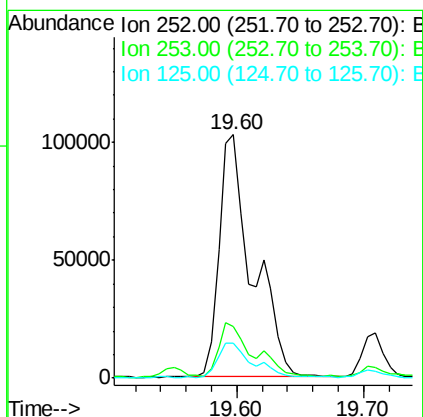
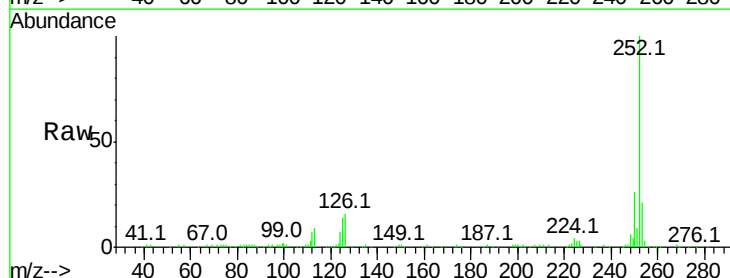
RT: 19.60 min Scan# 3062

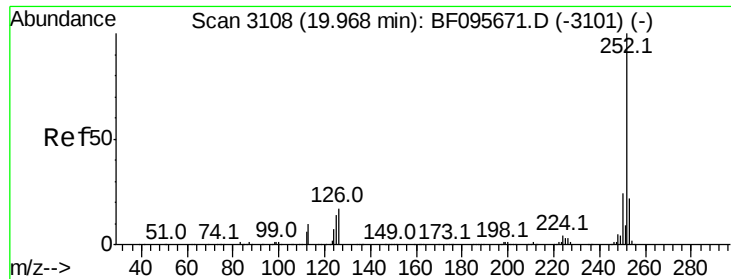
Delta R.T. -0.03 min

Lab File: BF095780.D

Acq: 8 Jun 2017 13:24

Tgt Ion:252	Resp:	188373
Ion Ratio	Lower	Upper
252	100	
253	21.4	18.4 27.6
125	14.1	13.1 19.7

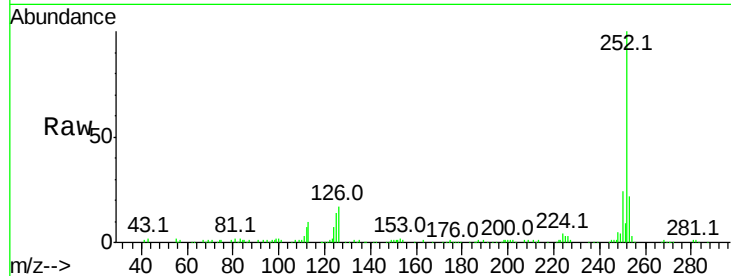




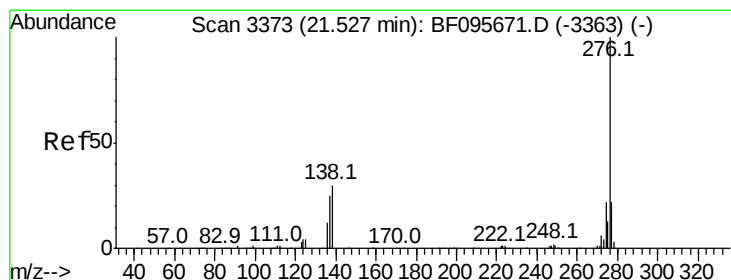
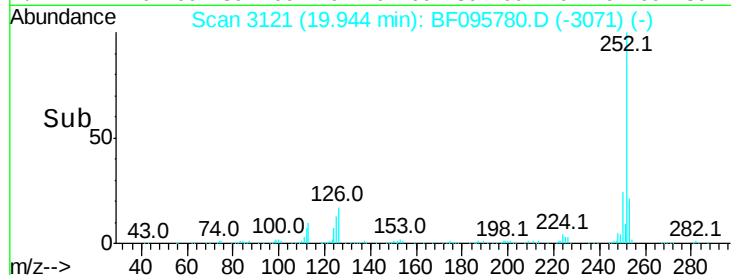
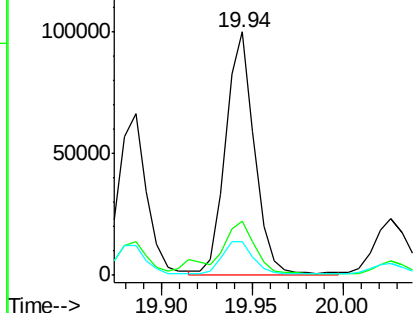
#89
Benzo(a)pyrene
Concen: 13.33 ng
RT: 19.94 min Scan# 3121
Delta R.T. -0.01 min
Lab File: BF095780.D
Acq: 8 Jun 2017 13:24

Instrument :
BNA_F
ClientSampled :

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.0	17.5	26.3
125	13.6	11.0	16.4

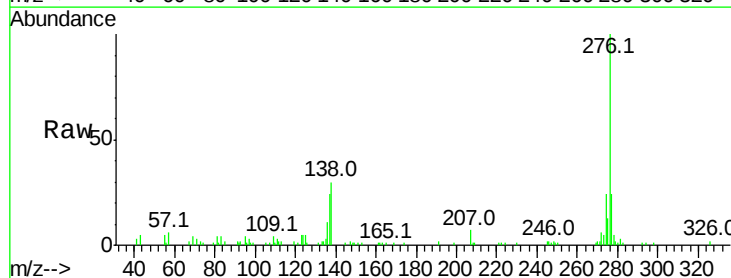


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E



#91
Benzo(g,h,i)perylene
Concen: 8.01 ng
RT: 21.50 min Scan# 3386
Delta R.T. -0.00 min
Lab File: BF095780.D
Acq: 8 Jun 2017 13:24

Tgt Ion	Ratio	Lower	Upper
276	100		
277	23.6	18.6	28.0
138	30.3	25.4	38.0



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

