

Data Path : Z:\HPCHEM1\BNA F\DATA\BF051617\
 Data File : BF095184.D
 Acq On : 17 May 2017 6:42
 Operator : SJ/MA
 Sample : I3153-09
 Misc :
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: May 17 08:48:05 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF050217.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed May 03 17:24:51 2017
 Response via : Initial Calibration

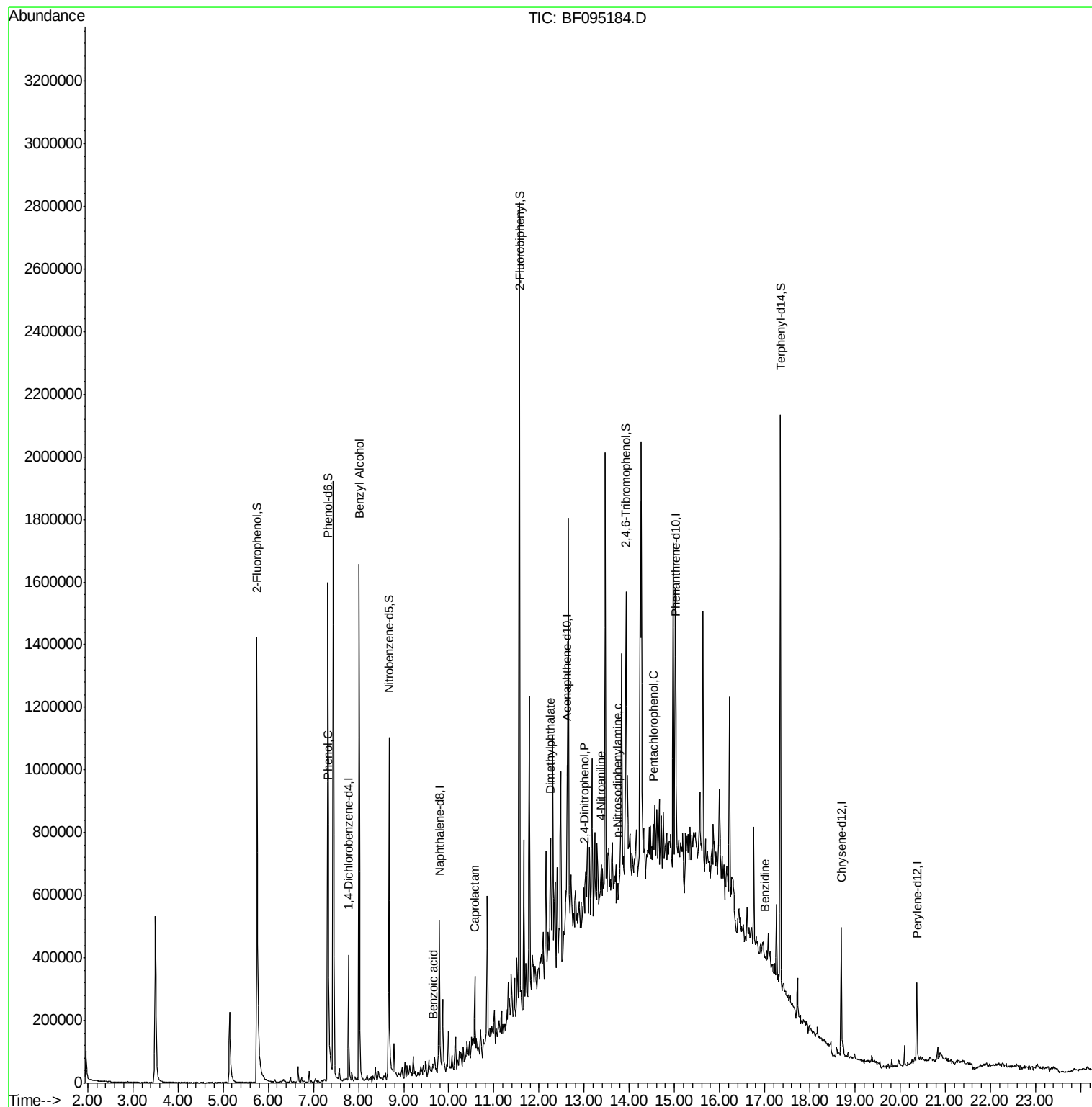
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.78	152	84638	20.00	ng	0.05
21) Naphthalene-d8	9.79	136	322399	20.00	ng	0.04
38) Acenaphthene-d10	12.62	164	142923	20.00	ng	0.04
63) Phenanthrene-d10	15.04	188	200609	20.00	ng	0.05
75) Chrysene-d12	18.69	240	170881	20.00	ng	0.04
86) Perylene-d12	20.37	264	121736	20.00	ng	0.06
System Monitoring Compounds						
5) 2-Fluorophenol	5.75	112	799193	157.43	ng	0.07
7) Phenol-d6	7.32	99	942650	154.76	ng	0.05
23) Nitrobenzene-d5	8.68	82	529191	103.51	ng	0.04
41) 2,4,6-Tribromophenol	13.93	330	164207	140.29	ng	0.05
44) 2-Fluorobiphenyl	11.57	172	1081995	108.96	ng	0.04
78) Terphenyl-d14	17.35	244	695456	89.64	ng	0.04
Target Compounds						
10) Phenol	7.34	94	23991	3.74	ng	# 77
15) Benzyl Alcohol	8.01	79	9645	2.46	ng	# 48
32) Benzoic acid	9.66	122	130	5.12	ng	# 8
35) Caprolactam	10.58	113	7928	5.98	ng	# 48
49) Dimethylphthalate	12.25	163	161436	13.76	ng	# 98
53) 2,4-Dinitrophenol	13.00	184	160	6.36	ng	# 1
61) 4-Nitroaniline	13.37	138	7506	3.18	ng	# 80
65) n-Nitrosodiphenylamine	13.74	169	24921	3.42	ng	# 38
69) Pentachlorophenol	14.52	266	819	6.64	ng	# 18
76) Benzidine	17.00	184	220	6.63	ng	# 1

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

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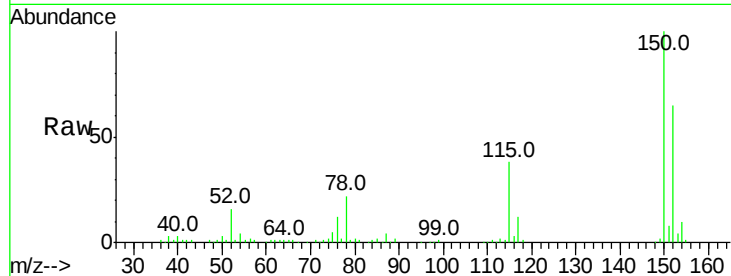


#1

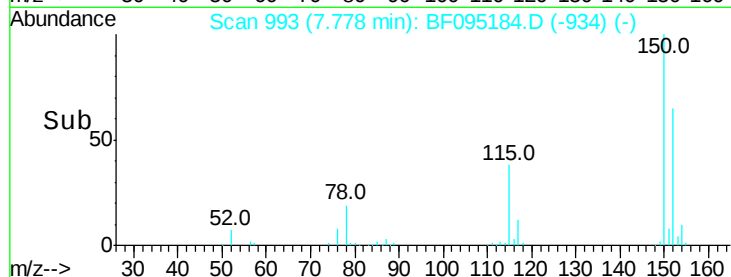
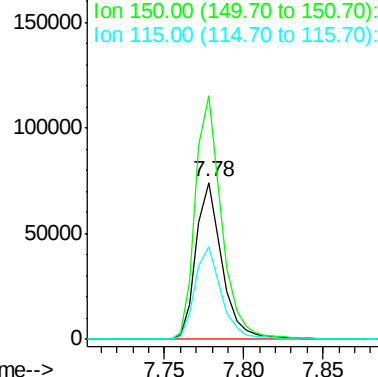
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.78 min Scan# 993
Delta R.T. 0.05 min
Lab File: BF095184.D
Acq: 17 May 2017 6:42

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 84638
Ion Ratio Lower Upper
152 100
150 155.0 126.2 189.2
115 58.8 52.2 78.2



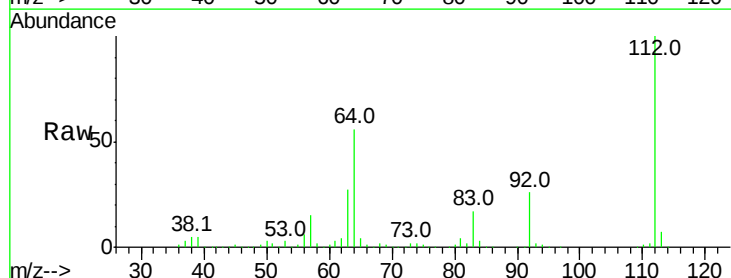
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



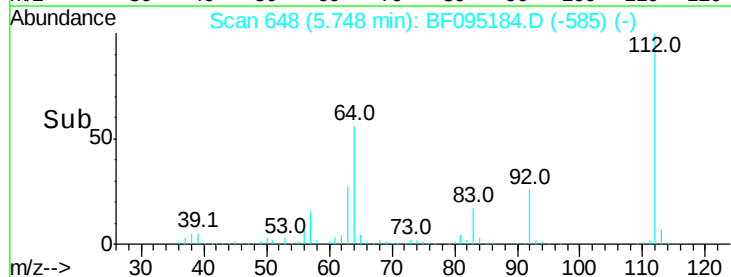
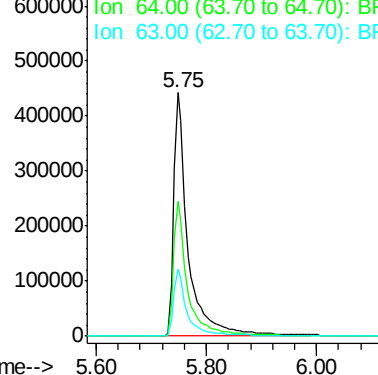
#5

2-Fluorophenol
Concen: 157.43 ng
RT: 5.75 min Scan# 648
Delta R.T. 0.07 min
Lab File: BF095184.D
Acq: 17 May 2017 6:42

Tgt Ion:112 Resp: 799193
Ion Ratio Lower Upper
112 100
64 55.6 46.0 69.0
63 27.5 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: 154.76 ng

RT: 7.32 min Scan# 916

Delta R.T. 0.05 min

Lab File: BF095184.D

Acq: 17 May 2017 6:42

Instrument :

BNA_F

ClientSampleId :

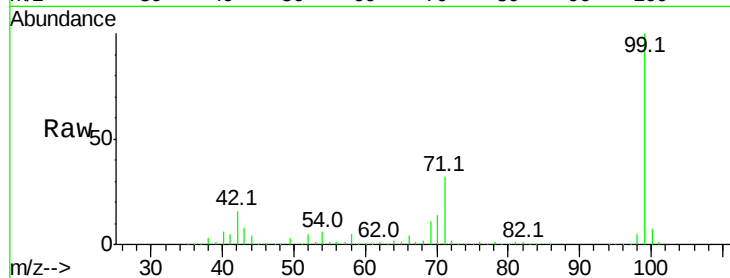
Tot Ion: 99 Resp: 942650

Ion Ratio Lower Upper

99 100

42 15.8 13.5 20.3

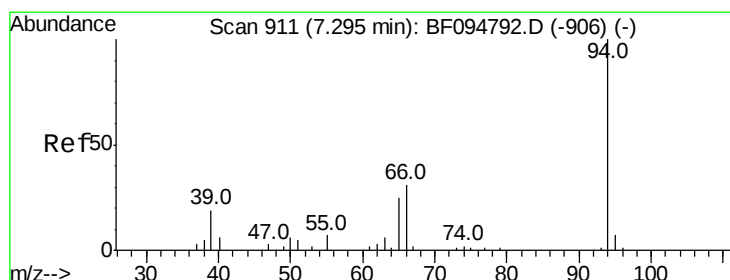
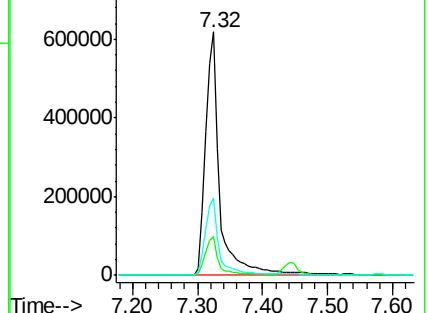
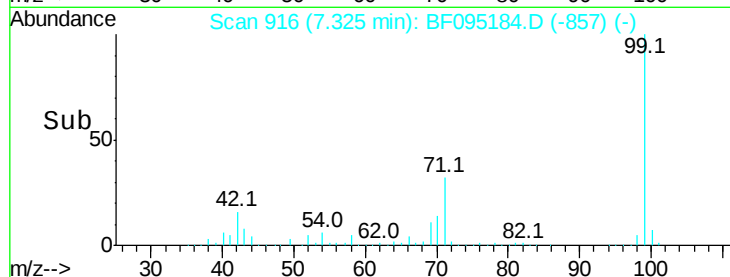
71 31.9 24.5 36.7



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



#10

Phenol

Concen: 3.74 ng

RT: 7.34 min Scan# 918

Delta R.T. 0.04 min

Lab File: BF095184.D

Acq: 17 May 2017 6:42

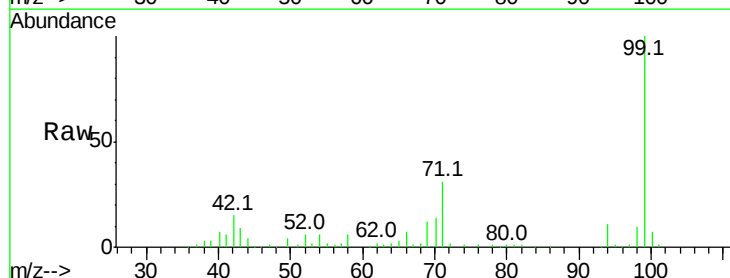
Tgt Ion: 94 Resp: 23991

Ion Ratio Lower Upper

94 100

65 30.3 9.9 49.9

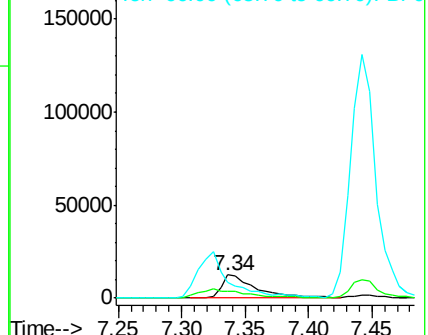
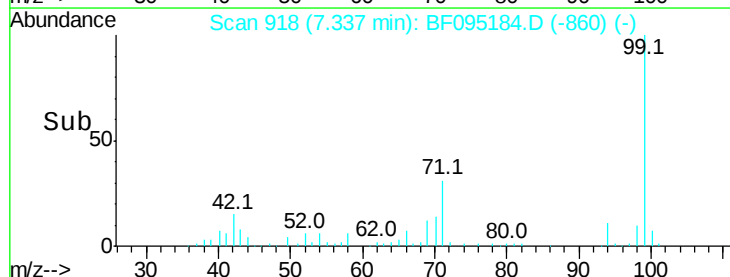
66 67.8 23.1 63.1#

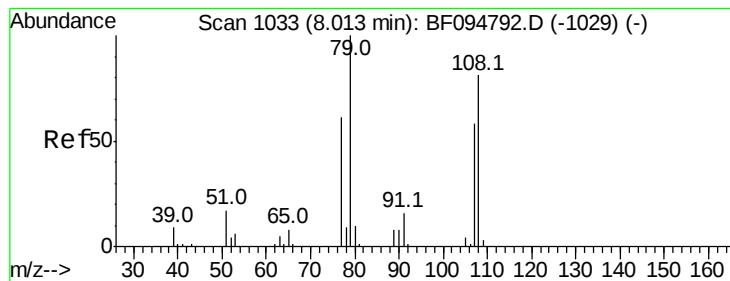


Abundance Ion 94.00 (93.70 to 94.70): BF0

Ion 65.00 (64.70 to 65.70): BF0

Ion 66.00 (65.70 to 66.70): BF0





#15

Benzyl Alcohol

Concen: 2.46 ng

RT: 8.01 min Scan# 1033

Delta R.T. 0.00 min

Lab File: BF095184.D

Acq: 17 May 2017 6:42

Instrument :

BNA_F

ClientSampleId :

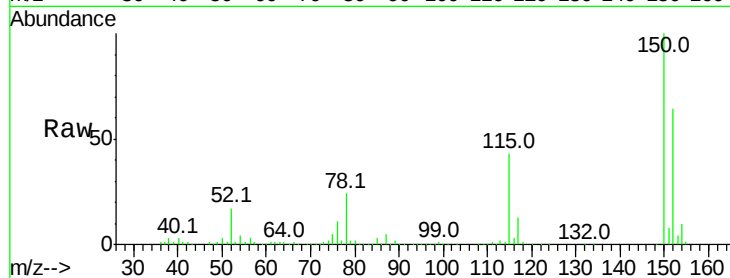
Tot Ion: 79 Resp: 9645

Ion Ratio Lower Upper

79 100

108 26.8 63.4 95.0#

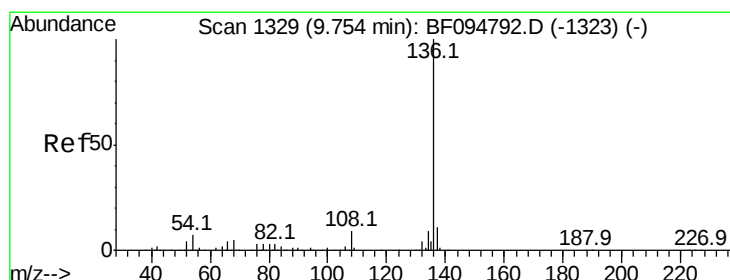
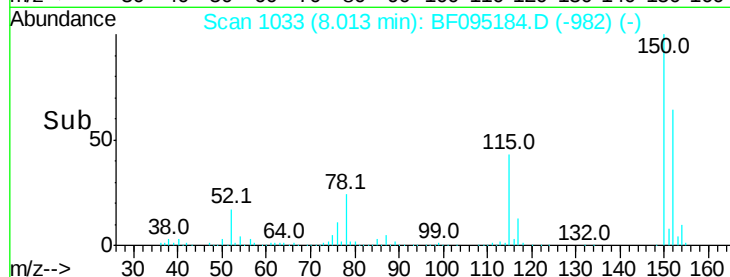
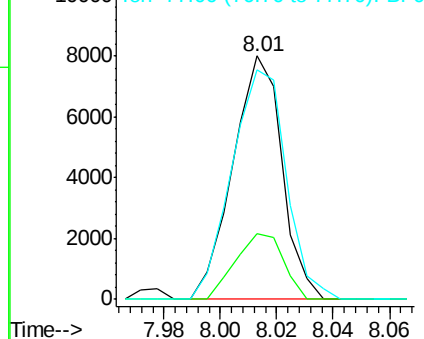
77 94.3 49.2 73.8#



Abundance Ion 79.00 (78.70 to 79.70): BF0

Ion 108.00 (107.70 to 108.70): BF0

Ion 77.00 (76.70 to 77.70): BF0



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 9.79 min Scan# 1335

Delta R.T. 0.04 min

Lab File: BF095184.D

Acq: 17 May 2017 6:42

Tgt Ion: 136 Resp: 322399

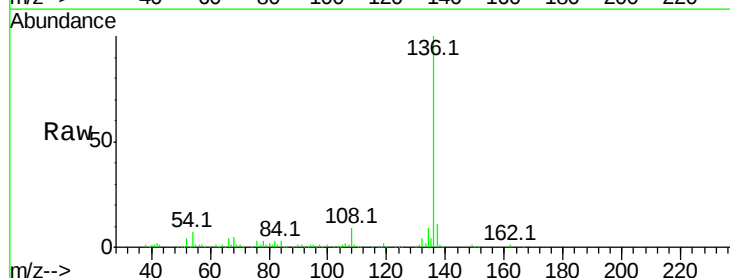
Ion Ratio Lower Upper

136 100

137 11.3 8.5 12.7

54 6.7 4.9 7.3

68 5.4 4.1 6.1

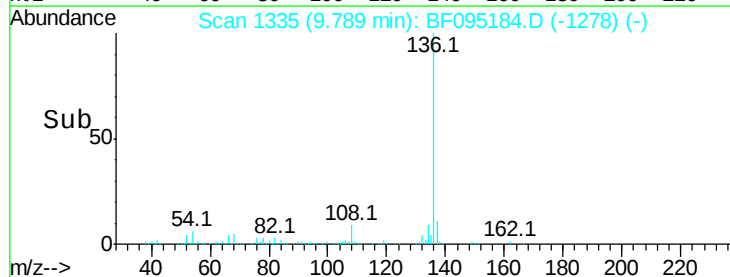
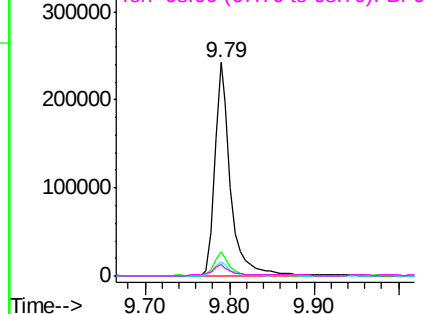


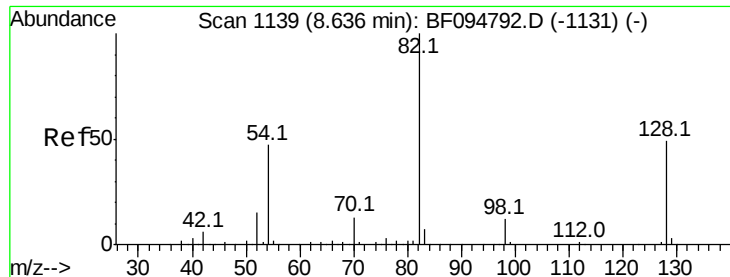
Abundance Ion 136.00 (135.70 to 136.70): BF0

Ion 137.00 (136.70 to 137.70): BF0

Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0

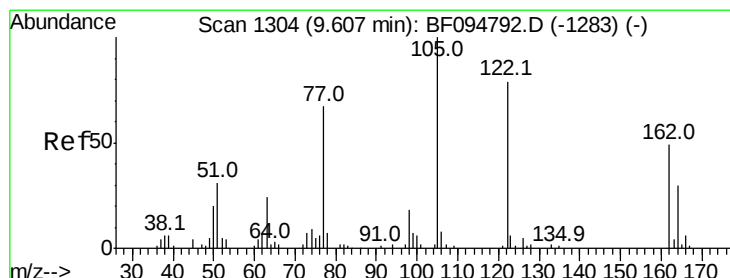
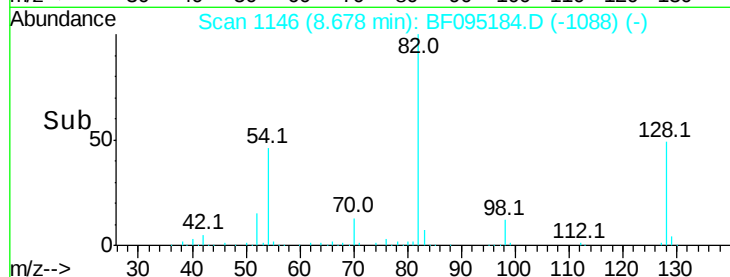
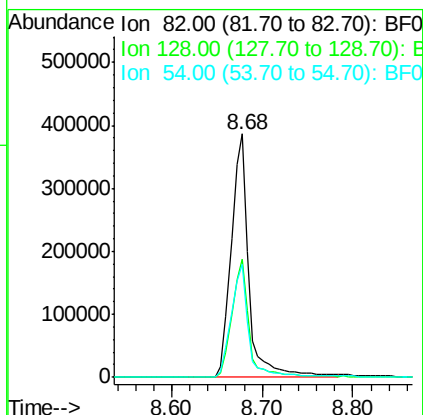
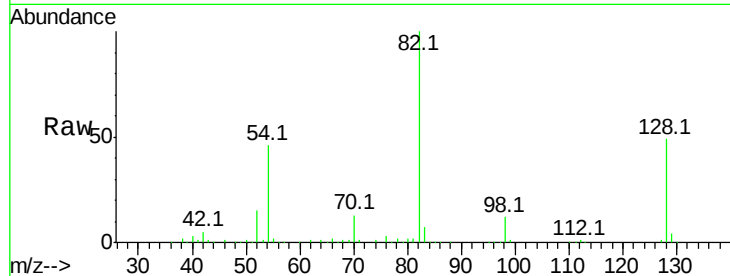




#23
 Nitrobenzene-d5
 Concen: 103.51 ng
 RT: 8.68 min Scan# 1146
 Delta R.T. 0.04 min
 Lab File: BF095184.D
 Acq: 17 May 2017 6:42

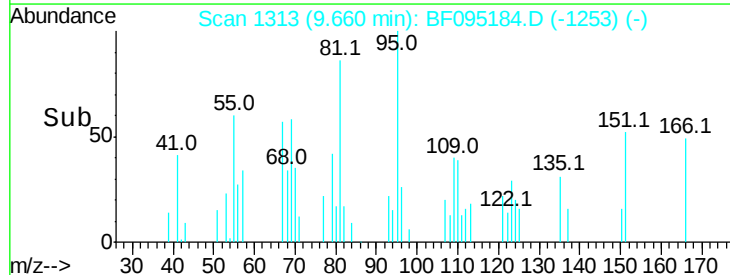
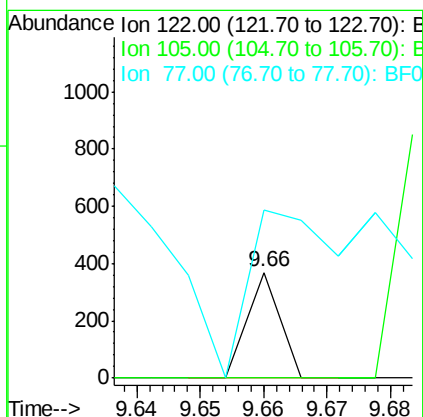
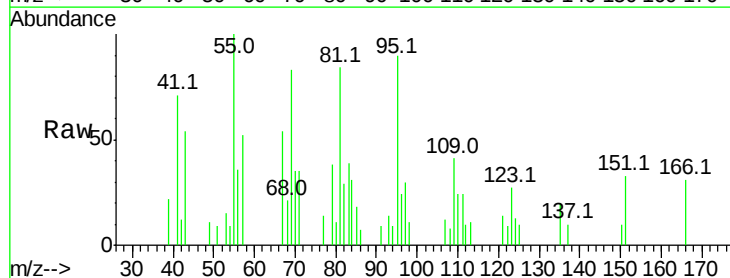
Instrument :
 BNA_F
 ClientSampleId :

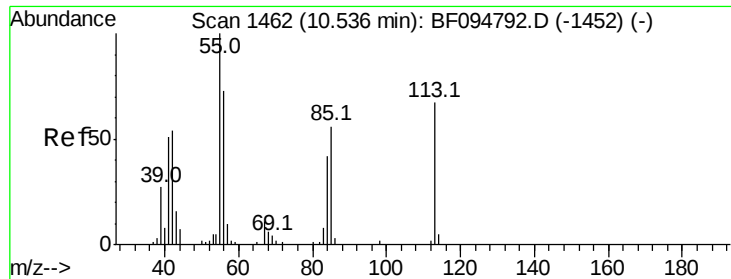
Tot Ion	Ratio	Lower	Upper
82	100		
128	48.6	34.0	51.0
54	46.2	42.2	63.2



#32
 Benzoic acid
 Concen: 5.12 ng
 RT: 9.66 min Scan# 1313
 Delta R.T. 0.05 min
 Lab File: BF095184.D
 Acq: 17 May 2017 6:42

Tgt Ion	Ratio	Lower	Upper
122	100		
105	0.0	103.3	143.3#
77	159.5	73.7	113.7#





#35

Caprolactam

Concen: 5.98 ng

RT: 10.58 min Scan# 1469

Delta R.T. 0.04 min

Lab File: BF095184.D

Acq: 17 May 2017 6:42

Instrument :

BNA_F

ClientSampleId :

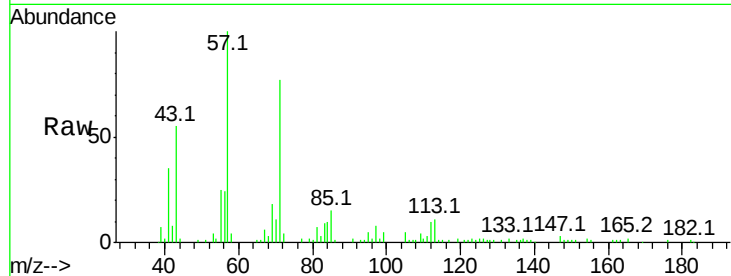
Tot Ion:113 Resp: 7928

Ion Ratio Lower Upper

113 100

55 221.9 150.2 190.2#

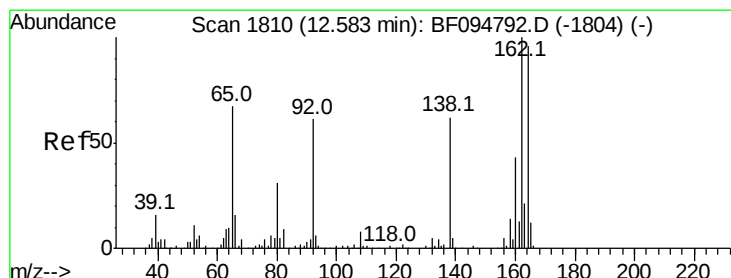
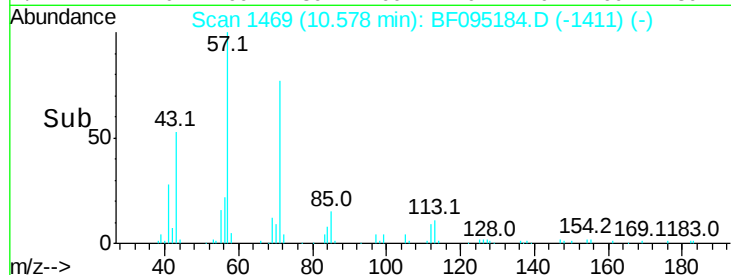
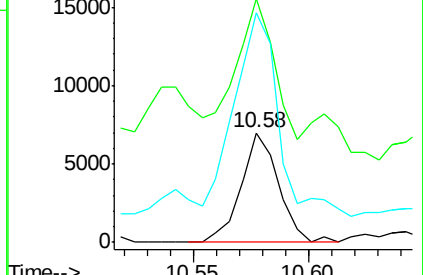
56 209.7 107.8 147.8#



Abundance Ion 113.00 (112.70 to 113.70): E

Ion 55.00 (54.70 to 55.70): BF0

Ion 56.00 (55.70 to 56.70): BF0



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 12.62 min Scan# 1817

Delta R.T. 0.04 min

Lab File: BF095184.D

Acq: 17 May 2017 6:42

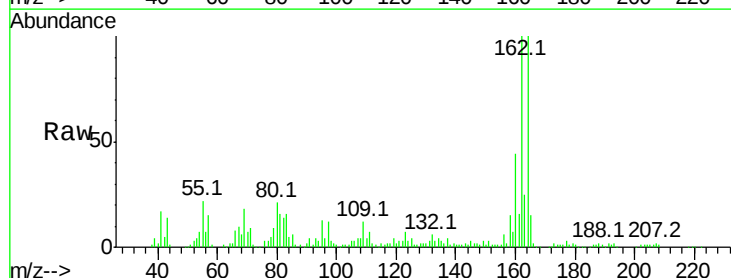
Tgt Ion:164 Resp: 142923

Ion Ratio Lower Upper

164 100

162 100.1 82.6 123.8

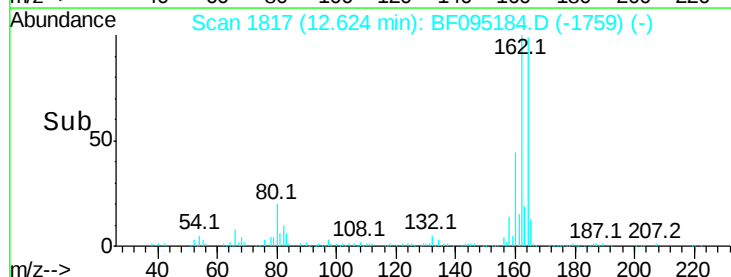
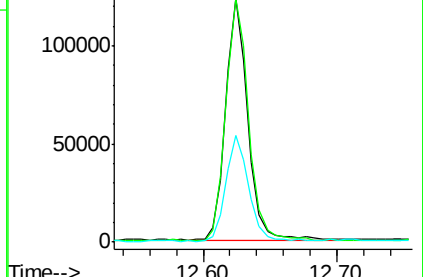
160 43.8 36.2 54.2

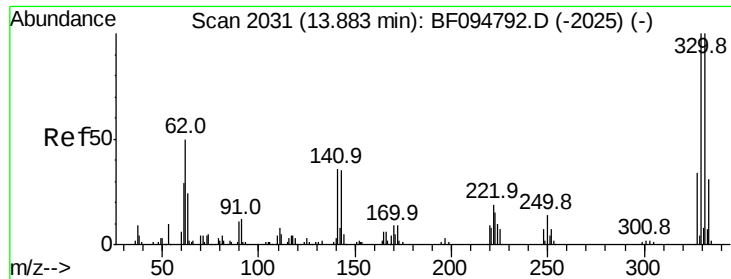


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

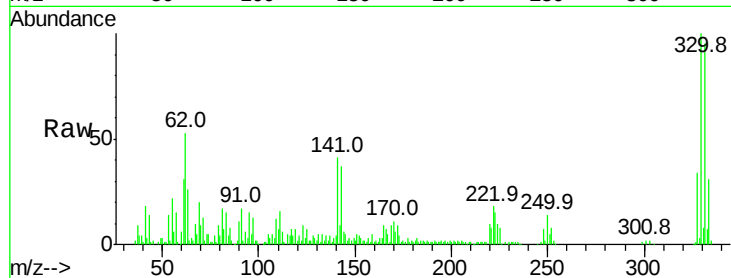




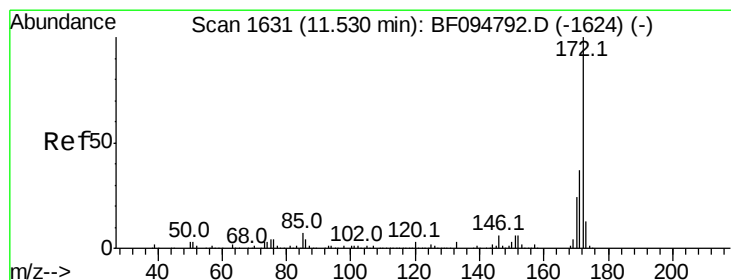
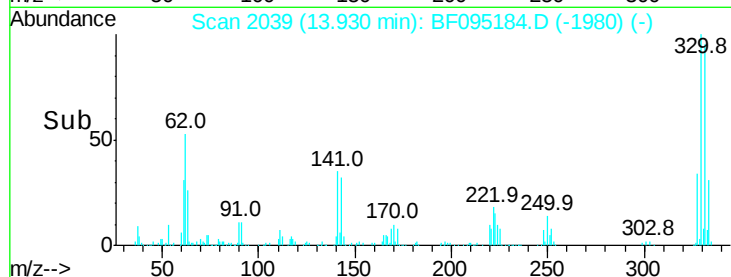
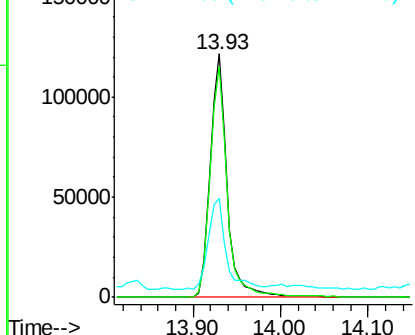
#41
 2,4,6-Tribromophenol
 Concen: 140.29 ng
 RT: 13.93 min Scan# 2039
 Delta R.T. 0.05 min
 Lab File: BF095184.D
 Acq: 17 May 2017 6:42

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:330 Resp: 164207
 Ion Ratio Lower Upper
 330 100
 332 95.9 76.6 115.0
 141 39.8 31.4 47.2

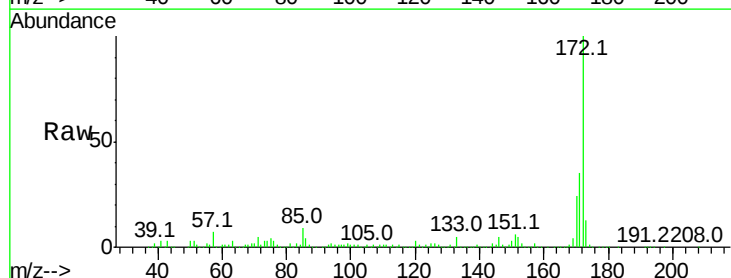


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

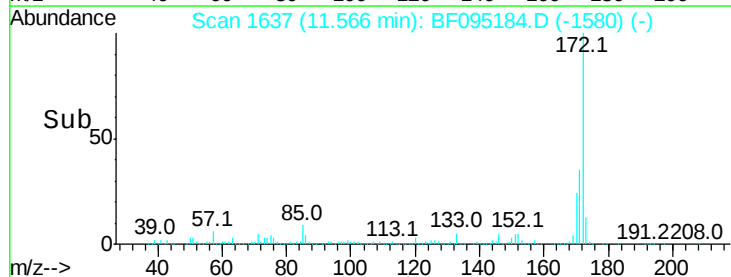
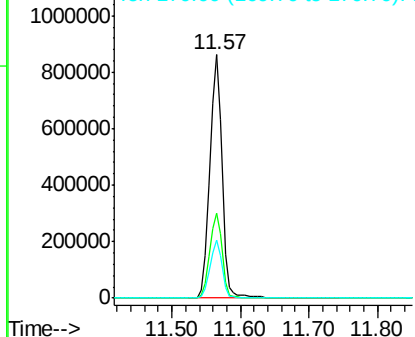


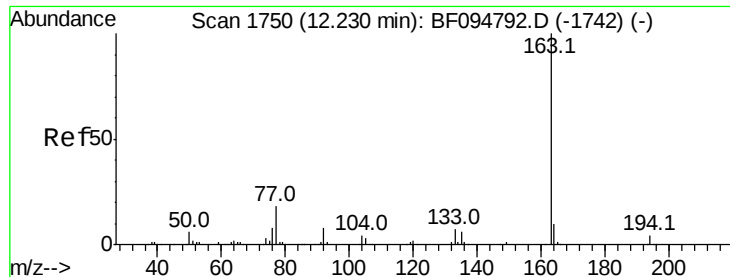
#44
 2-Fluorobiphenyl
 Concen: 108.96 ng
 RT: 11.57 min Scan# 1637
 Delta R.T. 0.04 min
 Lab File: BF095184.D
 Acq: 17 May 2017 6:42

Tgt Ion:172 Resp: 1081995
 Ion Ratio Lower Upper
 172 100
 171 35.0 29.6 44.4
 170 23.6 19.8 29.8



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

Dimethylphthalate

Concen: 13.76 ng

RT: 12.25 min Scan# 1754

Delta R.T. 0.02 min

Lab File: BF095184.D

Acq: 17 May 2017 6:42

Instrument :

BNA_F

ClientSampleId :

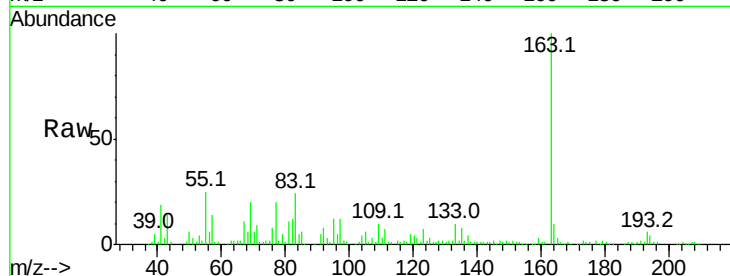
Tot Ion:163 Resp: 161436

Ion Ratio Lower Upper

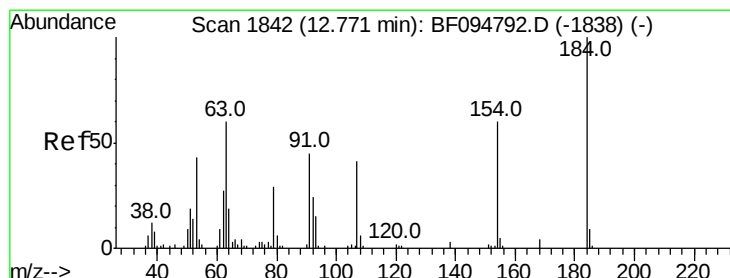
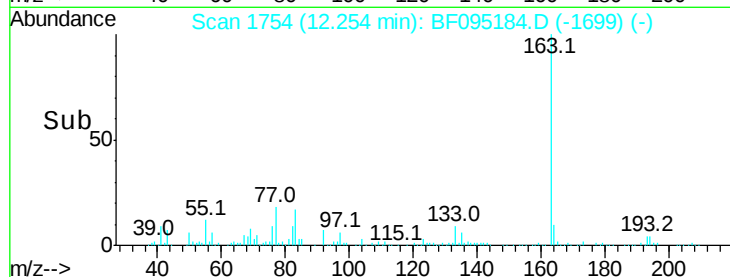
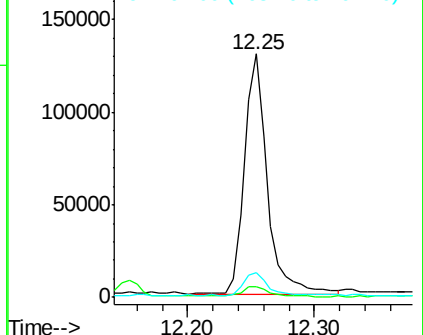
163 100

194 4.5 2.6 4.0#

164 10.0 8.4 12.6



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



#53

2,4-Dinitrophenol

Concen: 6.36 ng

RT: 13.00 min Scan# 1881

Delta R.T. 0.23 min

Lab File: BF095184.D

Acq: 17 May 2017 6:42

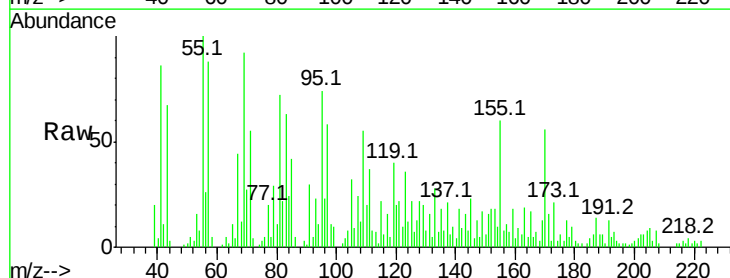
Tgt Ion:184 Resp: 160

Ion Ratio Lower Upper

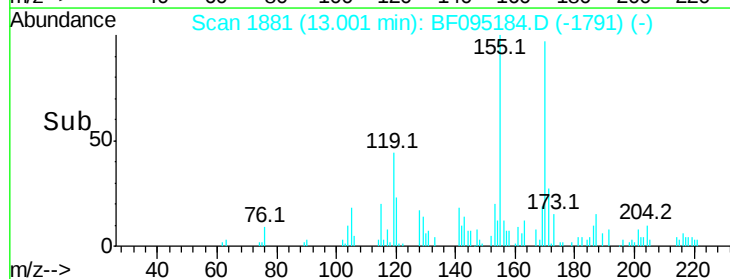
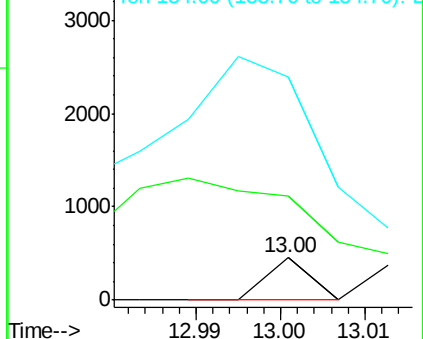
184 100

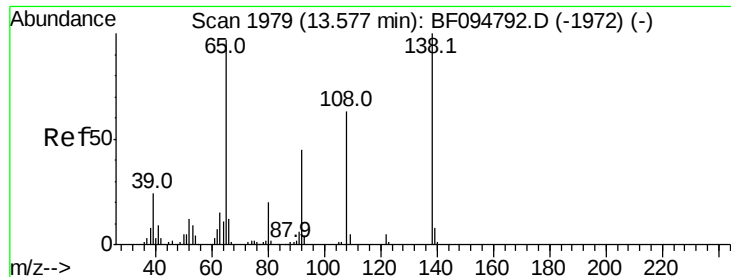
63 247.7 62.7 94.1#

154 527.4 81.1 121.7#



Abundance Ion 184.00 (183.70 to 184.70): E
Ion 63.00 (62.70 to 63.70): BF0
Ion 154.00 (153.70 to 154.70): E





#61

4-Nitroaniline

Concen: 3.18 ng

RT: 13.37 min Scan# 1944

Delta R.T. -0.21 min

Lab File: BF095184.D

Acq: 17 May 2017 6:42

Instrument :

BNA_F

ClientSampleId :

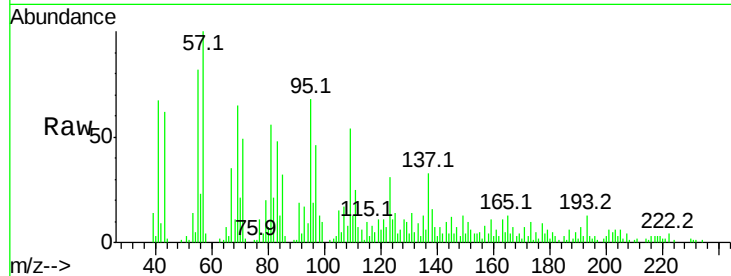
Tot Ion:138 Resp: 7506

Ion Ratio Lower Upper

138 100

92 22.0 21.8 61.8

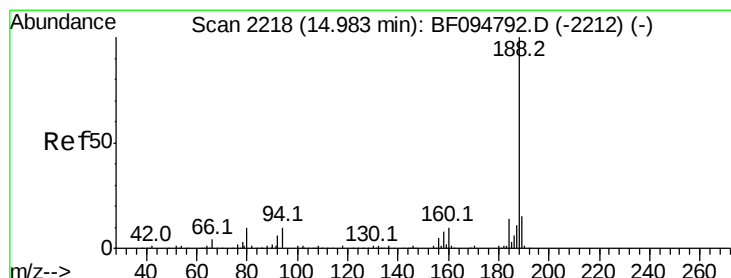
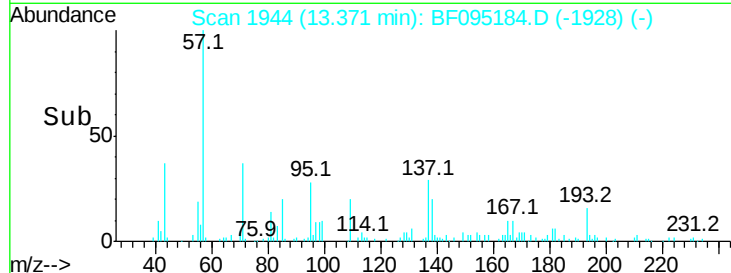
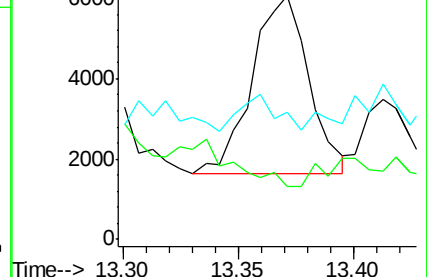
108 52.4 42.3 82.3



Abundance Ion 138.00 (137.70 to 138.70): E

Ion 92.00 (91.70 to 92.70): BF0

Ion 108.00 (107.70 to 108.70): E



#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 15.04 min Scan# 2227

Delta R.T. 0.05 min

Lab File: BF095184.D

Acq: 17 May 2017 6:42

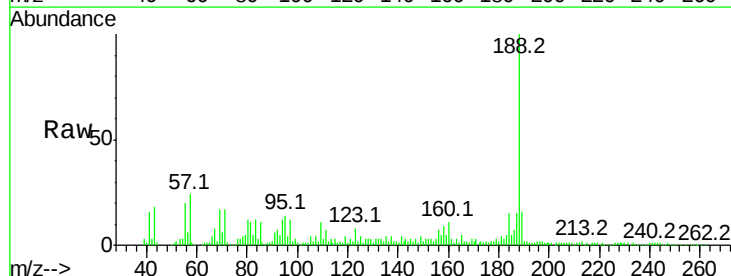
Tgt Ion:188 Resp: 200609

Ion Ratio Lower Upper

188 100

94 12.3 9.4 14.2

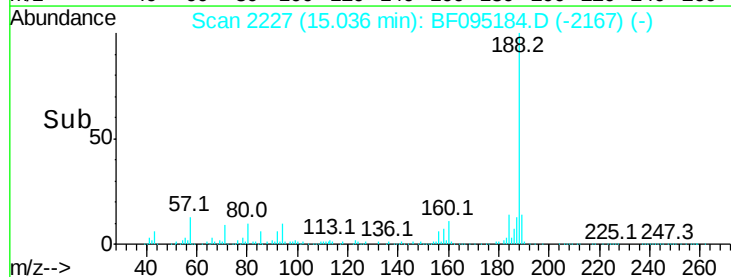
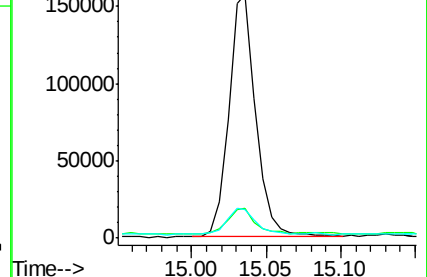
80 11.8 10.2 15.2

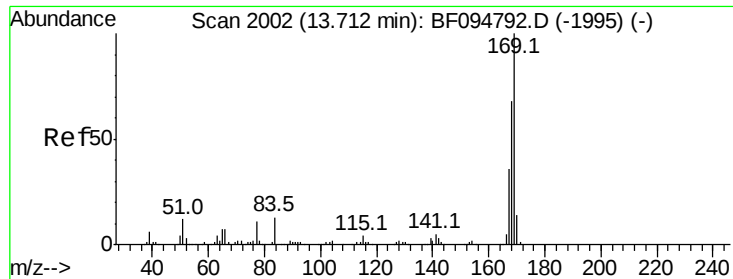


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0





#65

n-Nitrosodiphenylamine

Concen: 3.42 ng

RT: 13.74 min Scan# 2007

Delta R.T. 0.03 min

Lab File: BF095184.D

Acq: 17 May 2017 6:42

Instrument :

BNA_F

ClientSampled :

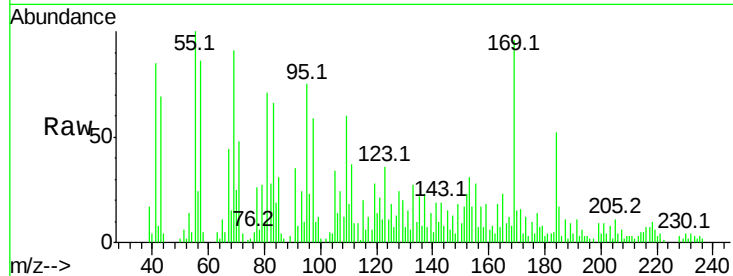
Tot Ion:169 Resp: 24921

Ion Ratio Lower Upper

169 100

168 8.3 53.2 79.8#

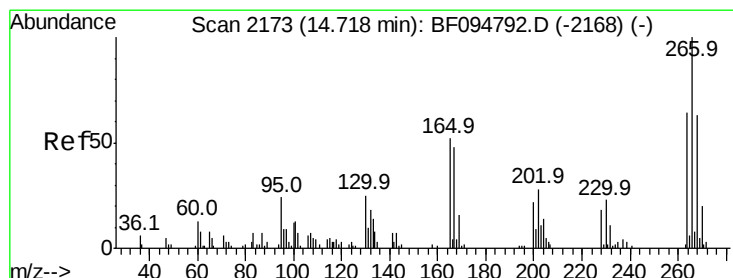
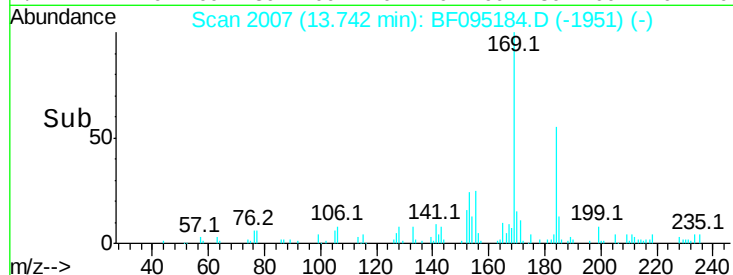
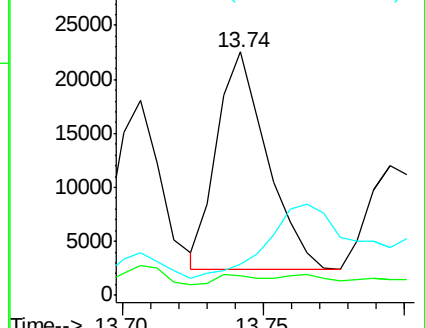
167 12.6 29.5 44.3#



Abundance Ion 169.00 (168.70 to 169.70): E

Ion 168.00 (167.70 to 168.70): E

Ion 167.00 (166.70 to 167.70): E



#69

Pentachlorophenol

Concen: 6.64 ng

RT: 14.52 min Scan# 2140

Delta R.T. -0.19 min

Lab File: BF095184.D

Acq: 17 May 2017 6:42

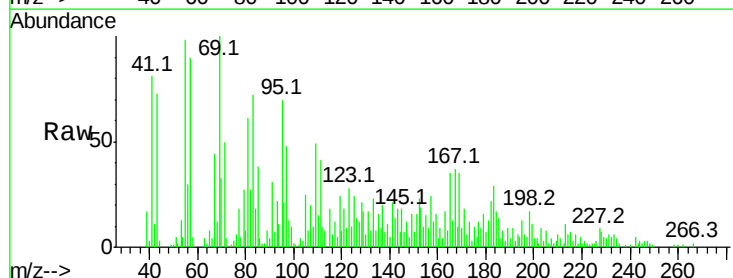
Tgt Ion:266 Resp: 819

Ion Ratio Lower Upper

266 100

268 0.0 51.1 76.7#

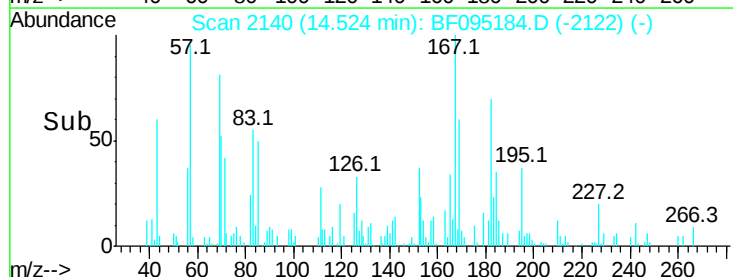
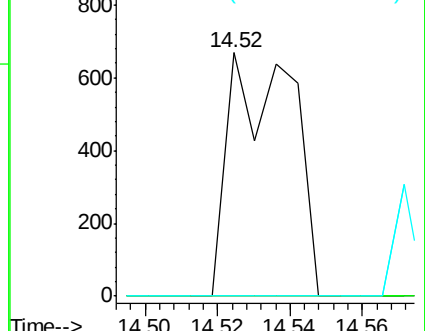
264 0.0 51.7 77.5#

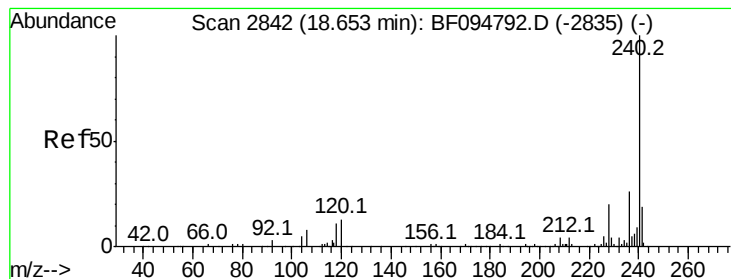


Abundance Ion 265.70 (265.40 to 266.40): E

Ion 268.00 (267.70 to 268.70): E

Ion 264.00 (263.70 to 264.70): E





#75

Chrysene-d12

Concen: 20.00 ng

RT: 18.69 min Scan# 2849

Delta R.T. 0.04 min

Lab File: BF095184.D

Acq: 17 May 2017 6:42

Instrument :

BNA_F

ClientSampleId :

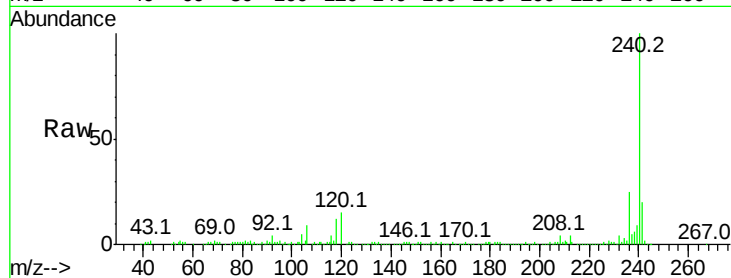
Tot Ion:240 Resp: 170881

Ion Ratio Lower Upper

240 100

120 14.7 5.8 8.8#

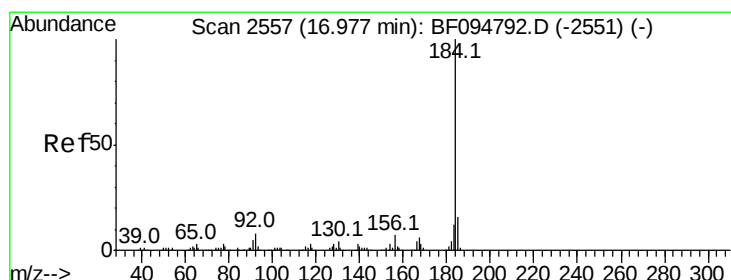
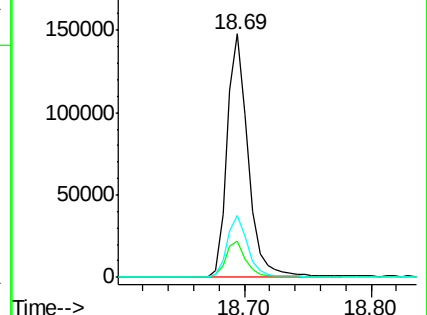
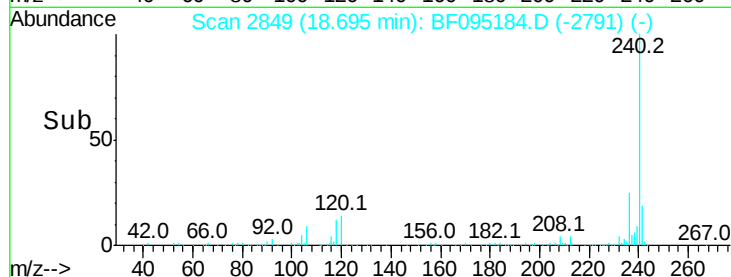
236 25.2 20.5 30.7



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



#76

Benzidine

Concen: 6.63 ng

RT: 17.00 min Scan# 2561

Delta R.T. 0.02 min

Lab File: BF095184.D

Acq: 17 May 2017 6:42

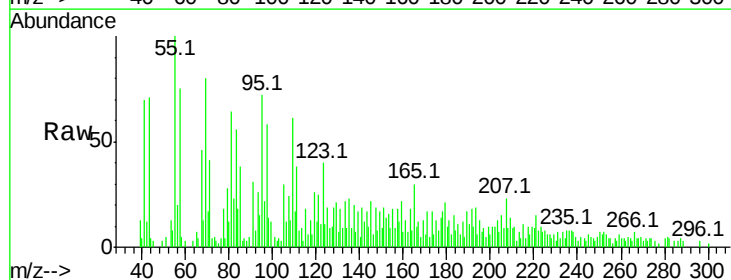
Tgt Ion:184 Resp: 220

Ion Ratio Lower Upper

184 100

185 147.1 15.5 23.3#

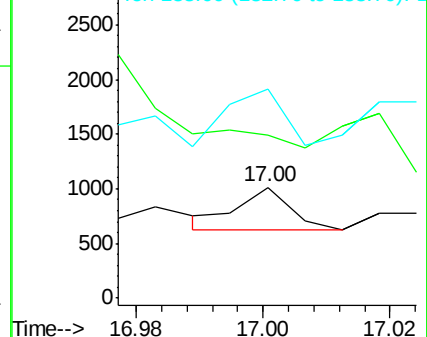
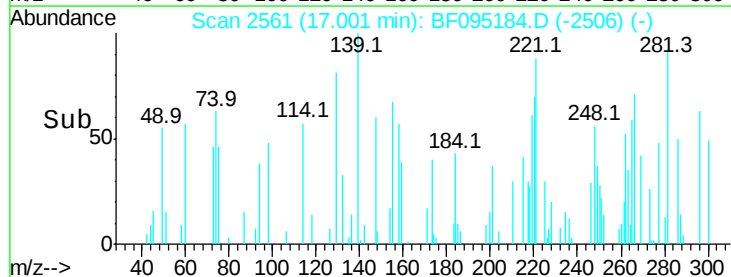
183 188.6 9.8 14.6#

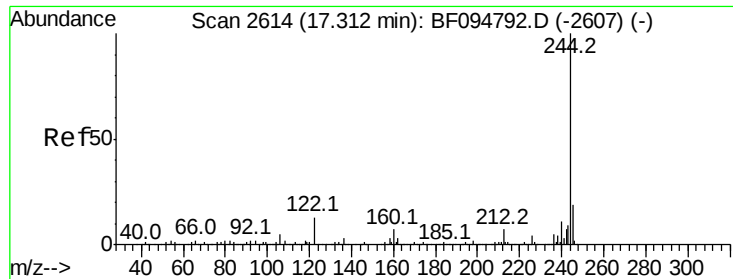


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#78

Terphenyl-d14

Concen: 89.64 ng

RT: 17.35 min Scan# 2620

Delta R.T. 0.04 min

Lab File: BF095184.D

Acq: 17 May 2017 6:42

Instrument :

BNA_F

ClientSampleId :

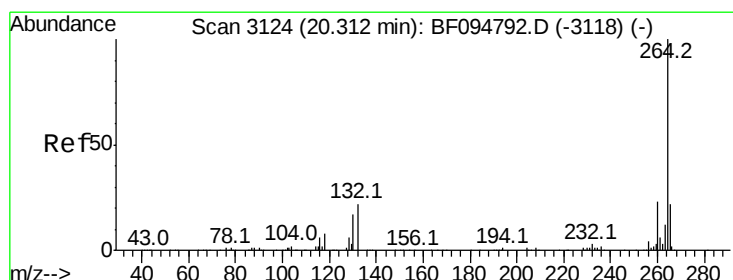
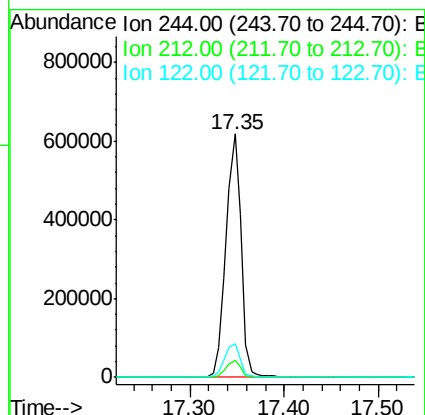
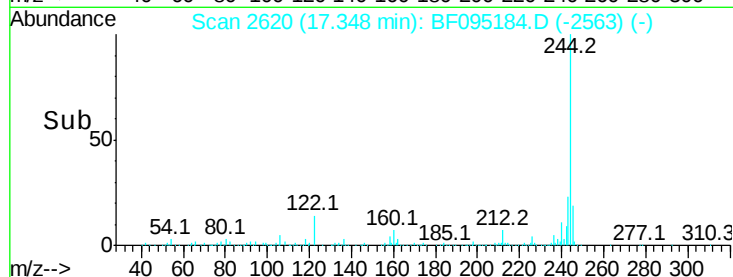
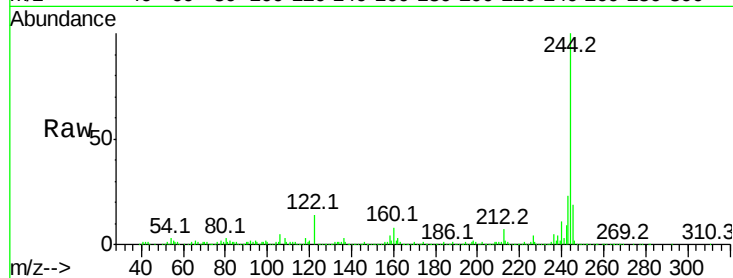
Tot Ion:244 Resp: 695456

Ion Ratio Lower Upper

244 100

212 7.2 6.0 9.0

122 13.7 10.3 15.5



#86

Perylene-d12

Concen: 20.00 ng

RT: 20.37 min Scan# 3134

Delta R.T. 0.06 min

Lab File: BF095184.D

Acq: 17 May 2017 6:42

Tgt Ion:264 Resp: 121736

Ion Ratio Lower Upper

264 100

260 23.0 19.5 29.3

265 21.3 17.2 25.8

