

Data Path : Z:\HPCHEM1\BNA F\DATA\BF050817\
 Data File : BF095017.D
 Acq On : 9 May 2017 11:34
 Operator : SJ/MA
 Sample : I3013-01
 Misc :
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: May 09 12:20:24 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

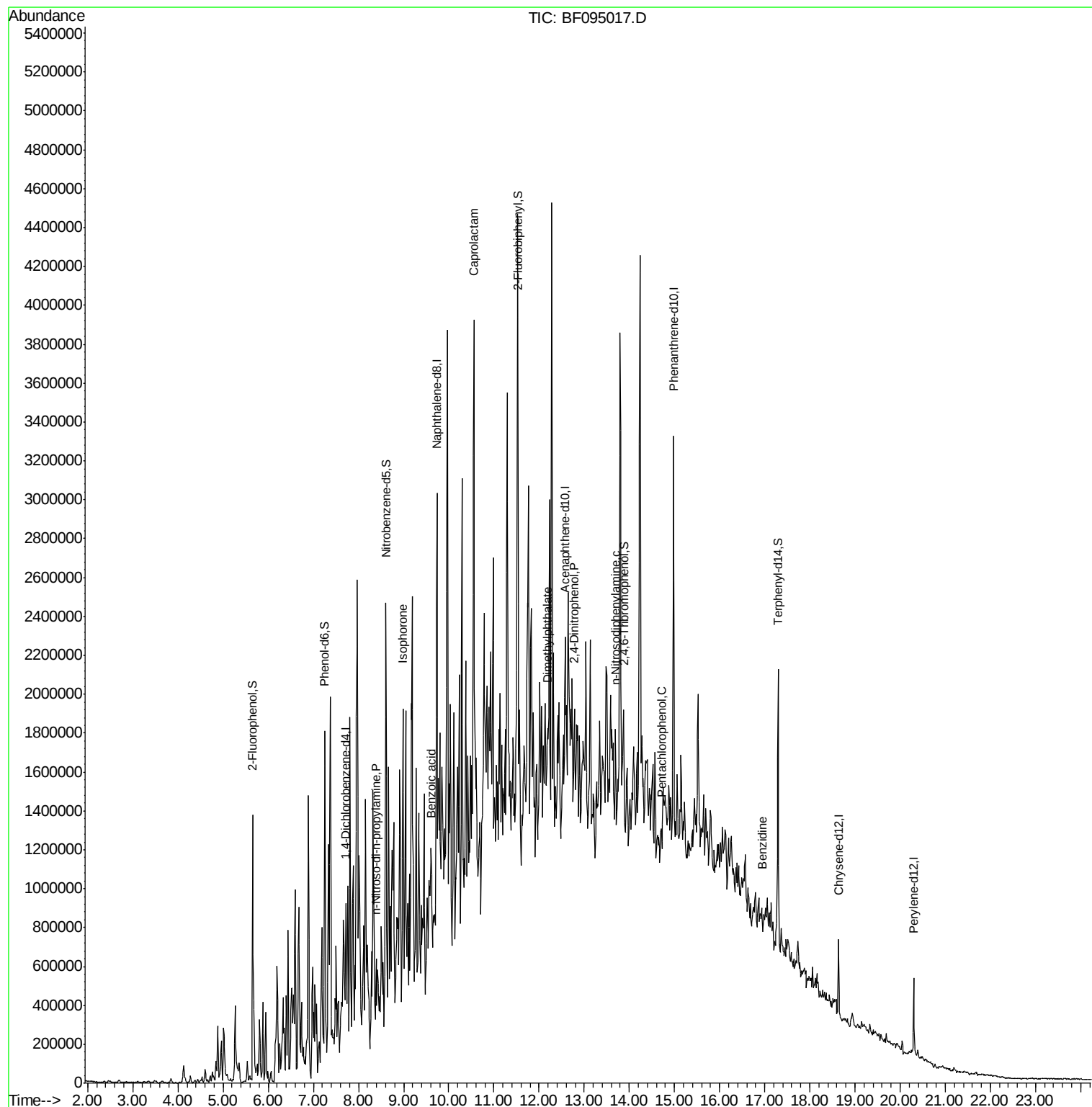
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.72	152	96683	20.00	ng	-0.01
21) Naphthalene-d8	9.74	136	337507	20.00	ng	-0.01
38) Acenaphthene-d10	12.58	164	148374	20.00	ng	0.00
63) Phenanthrene-d10	14.98	188	206697	20.00	ng	0.00
75) Chrysene-d12	18.64	240	179100	20.00	ng	-0.02
86) Perylene-d12	20.30	264	163342	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.65	112	668010	115.19	ng	-0.02
7) Phenol-d6	7.25	99	800023	114.98	ng	-0.02
23) Nitrobenzene-d5	8.61	82	448339	83.77	ng	-0.02
41) 2,4,6-Tribromophenol	13.88	330	130346	107.27	ng	0.00
44) 2-Fluorobiphenyl	11.52	172	716740	69.53	ng	-0.01
78) Terphenyl-d14	17.29	244	542498	66.72	ng	-0.02
Target Compounds						
19) n-Nitroso-di-n-propylamine	8.40	70	25102	5.33	ng	# 61
25) Isophorone	8.99	82	113689	11.90	ng	# 1
32) Benzoic acid	9.62	122	7422	7.15	ng	# 21
35) Caprolactam	10.56	113	132034	95.15	ng	# 69
49) Dimethylphthalate	12.20	163	144827	11.89	ng	# 98
53) 2,4-Dinitrophenol	12.78	184	875	6.84	ng	# 1
65) n-Nitrosodiphenylamine	13.70	169	15951	2.13	ng	# 52
69) Pentachlorophenol	14.72	266	232	6.08	ng	# 13
76) Benzidine	16.95	184	789	6.73	ng	# 1

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

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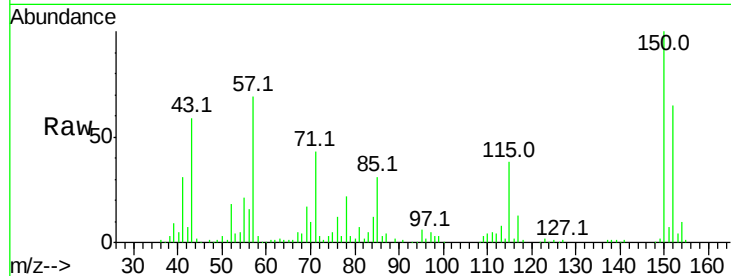


#1

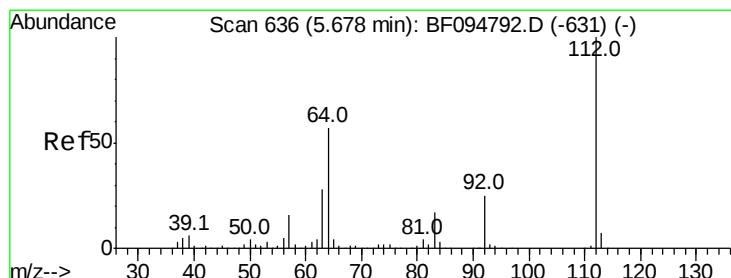
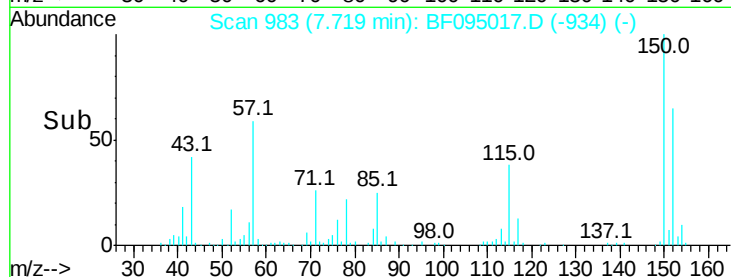
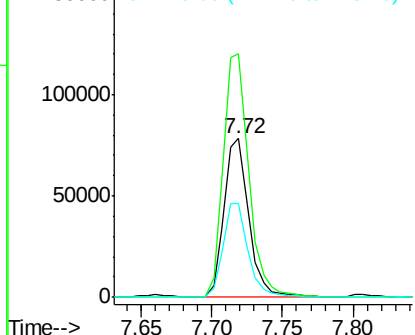
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.72 min Scan# 983
Delta R.T. -0.01 min
Lab File: BF095017.D
Acq: 9 May 2017 11:34

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 96683
Ion Ratio Lower Upper
152 100
150 153.0 126.2 189.2
115 58.9 52.2 78.2



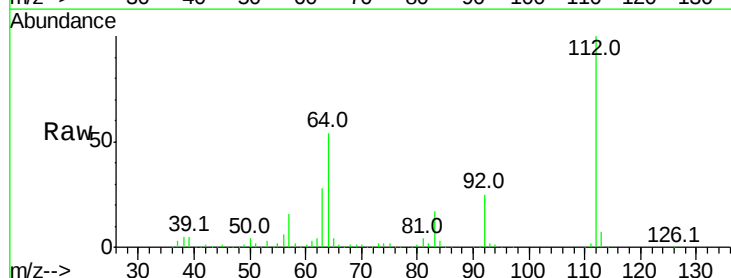
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



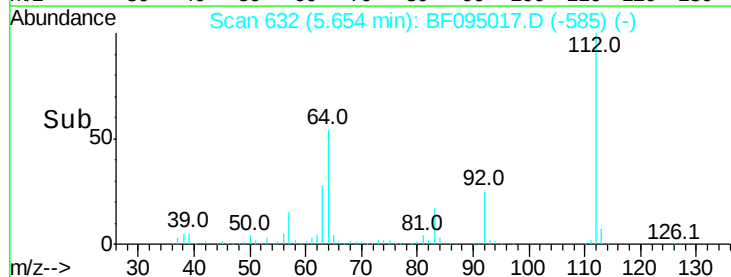
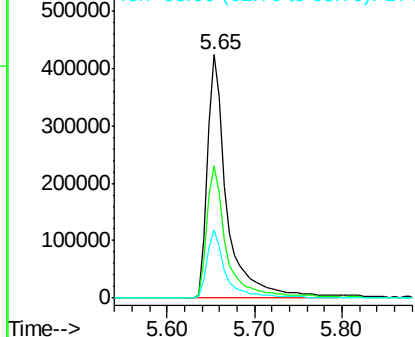
#5

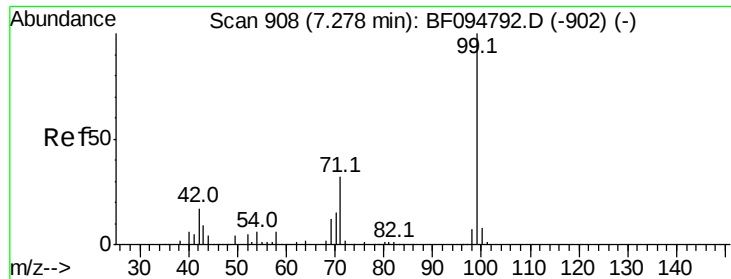
2-Fluorophenol
Concen: 115.19 ng
RT: 5.65 min Scan# 632
Delta R.T. -0.02 min
Lab File: BF095017.D
Acq: 9 May 2017 11:34

Tgt Ion:112 Resp: 668010
Ion Ratio Lower Upper
112 100
64 54.5 46.0 69.0
63 27.9 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: 114.98 ng

RT: 7.25 min Scan# 904

Delta R.T. -0.02 min

Lab File: BF095017.D

Acq: 9 May 2017 11:34

Instrument :

BNA_F

ClientSampleId :

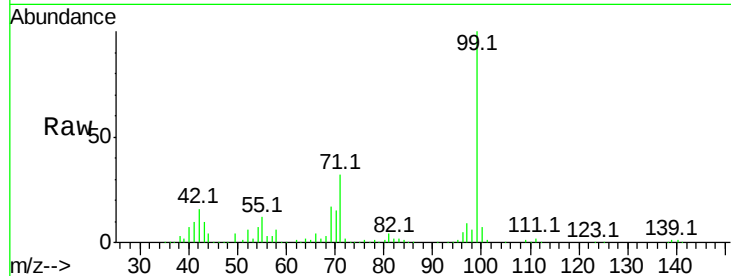
Tot Ion: 99 Resp: 800023

Ion Ratio Lower Upper

99 100

42 16.3 13.5 20.3

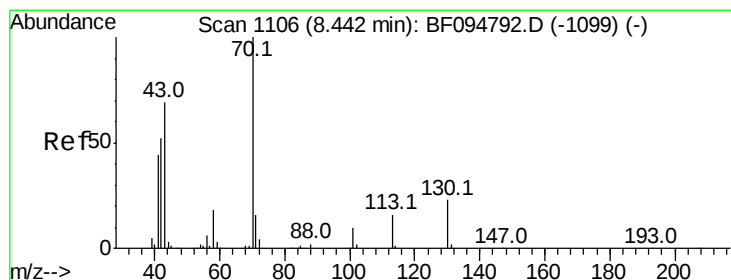
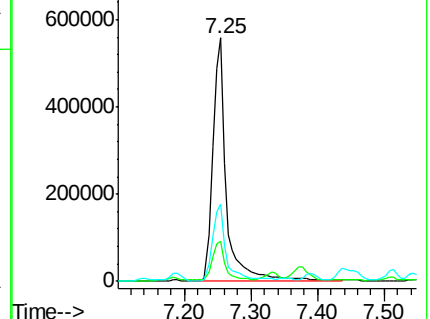
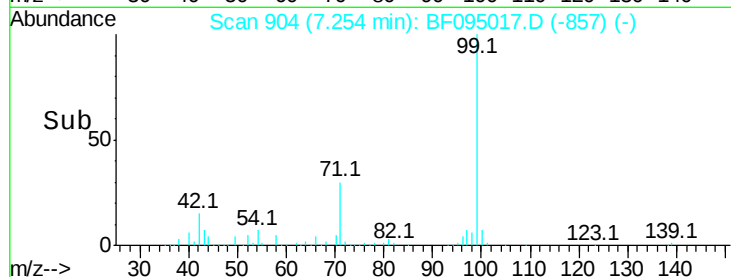
71 31.9 24.5 36.7



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



#19

n-Nitroso-di-n-propylamine

Concen: 5.33 ng

RT: 8.40 min Scan# 1098

Delta R.T. -0.05 min

Lab File: BF095017.D

Acq: 9 May 2017 11:34

Tgt Ion: 70 Resp: 25102

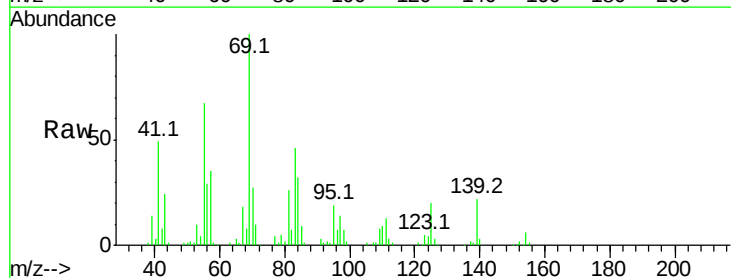
Ion Ratio Lower Upper

70 100

42 29.1 47.2 70.8#

101 0.0 7.2 10.8#

130 0.0 15.9 23.9#

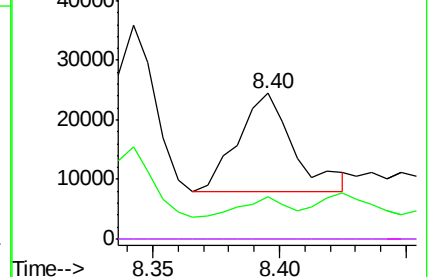
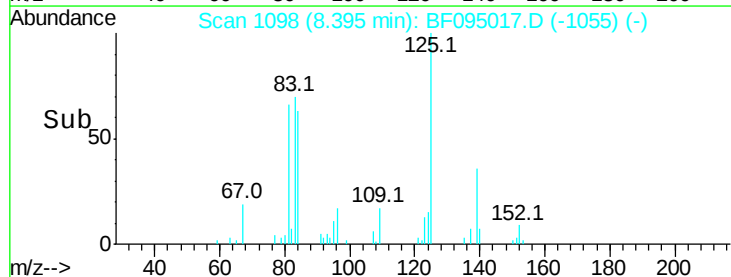


Abundance Ion 70.00 (69.70 to 70.70): BF0

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: 9.74 min Scan# 1327

Delta R.T. -0.01 min

Lab File: BF095017.D

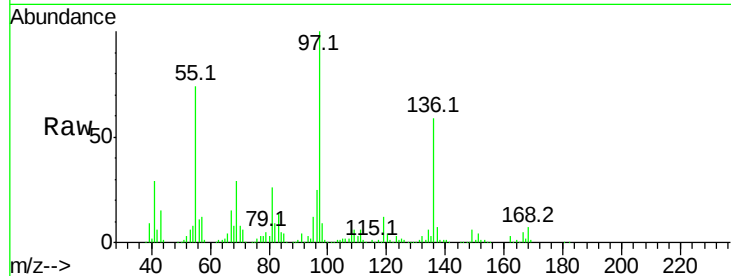
Acq: 9 May 2017 11:34

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136	Resp:	337507
Ion Ratio	Lower	Upper
136 100		
137 12.6	8.5	12.7
54 14.3	4.9	7.3#
68 14.2	4.1	6.1#

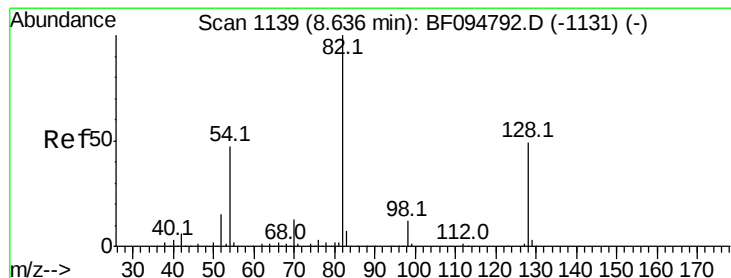
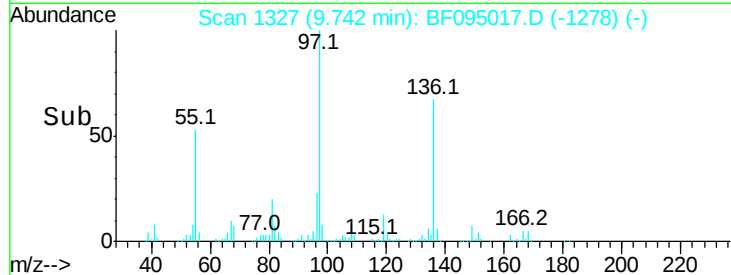
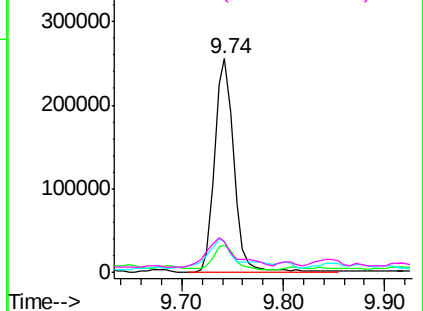


Abundance Ion 136.00 (135.70 to 136.70): E

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: 83.77 ng

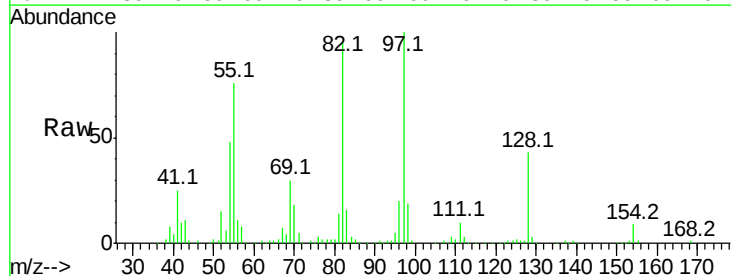
RT: 8.61 min Scan# 1135

Delta R.T. -0.02 min

Lab File: BF095017.D

Acq: 9 May 2017 11:34

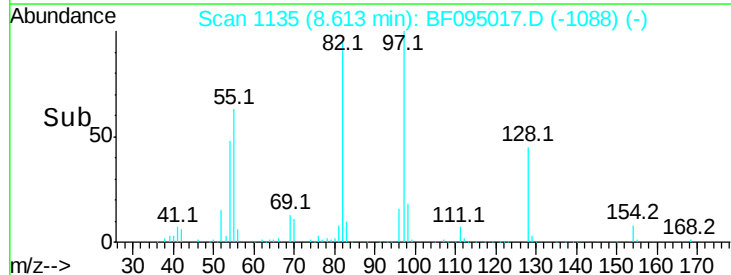
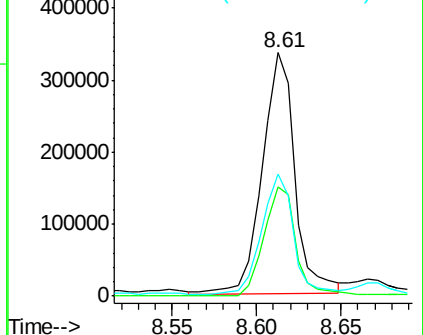
Tgt Ion: 82	Resp:	448339
Ion Ratio	Lower	Upper
82 100		
128 44.7	34.0	51.0
54 50.0	42.2	63.2

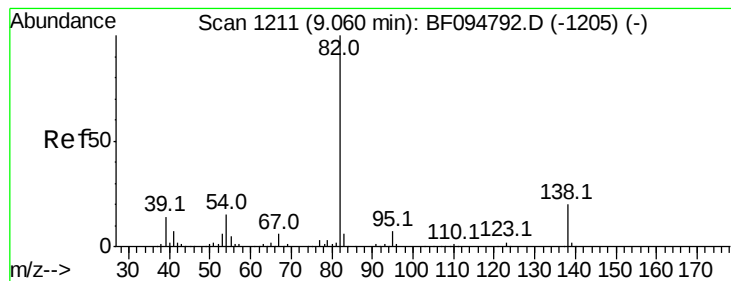


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0





#25

Isophorone

Concen: 11.90 ng

RT: 8.99 min Scan# 1199

Delta R.T. -0.07 min

Lab File: BF095017.D

Acq: 9 May 2017 11:34

Instrument :

BNA_F

ClientSampleId :

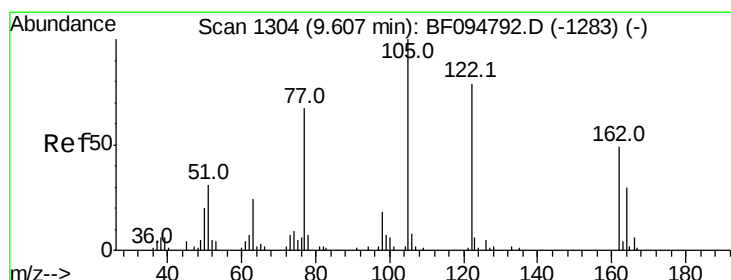
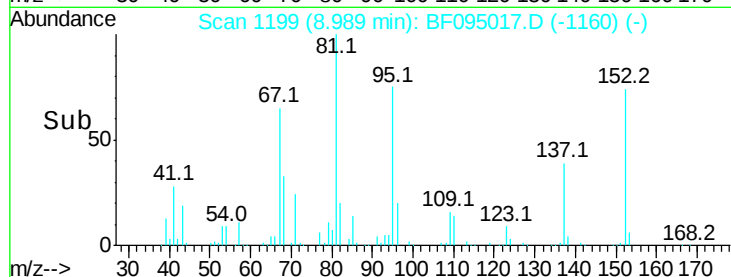
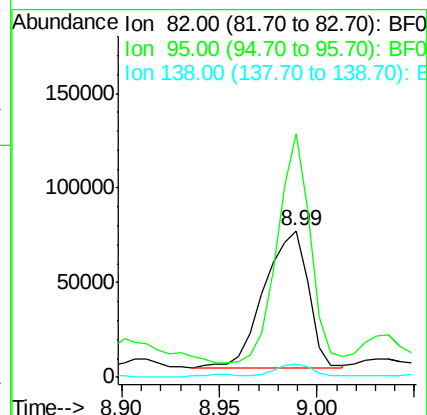
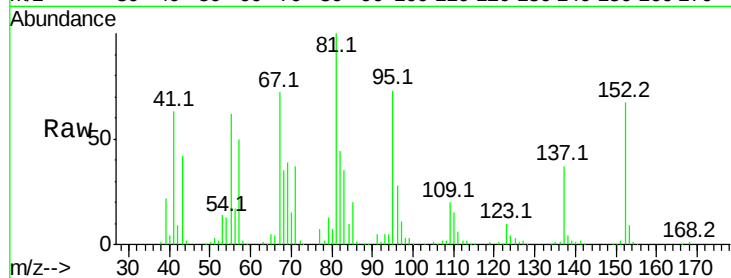
Tot Ion: 82 Resp: 113689

Ion Ratio Lower Upper

82 100

95 165.7 5.3 7.9#

138 9.4 13.1 19.7#



#32

Benzoic acid

Concen: 7.15 ng

RT: 9.62 min Scan# 1306

Delta R.T. 0.01 min

Lab File: BF095017.D

Acq: 9 May 2017 11:34

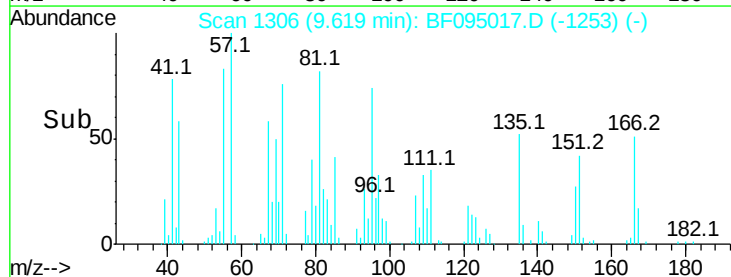
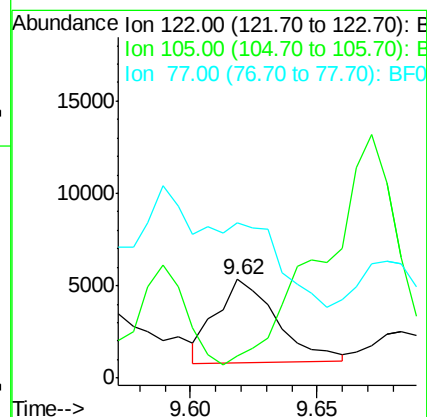
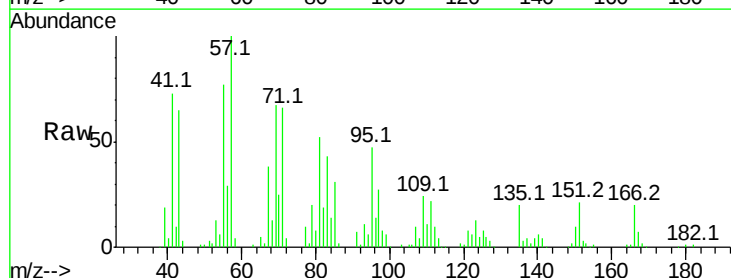
Tgt Ion:122 Resp: 7422

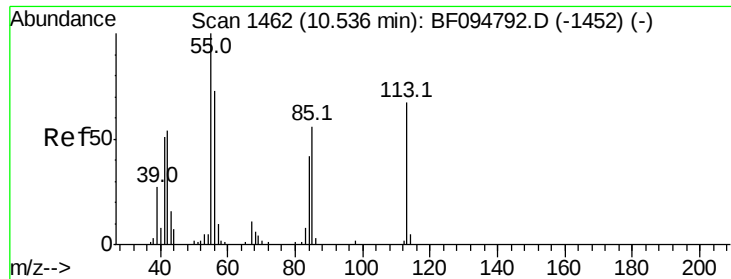
Ion Ratio Lower Upper

122 100

105 23.0 103.3 143.3#

77 157.4 73.7 113.7#





#35

Caprolactam

Concen: 95.15 ng

RT: 10.56 min Scan# 1466

Delta R.T. 0.02 min

Lab File: BF095017.D

Acq: 9 May 2017 11:34

Instrument :

BNA_F

ClientSampled :

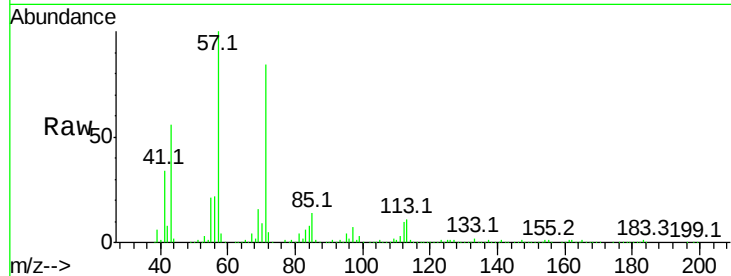
Tot Ion:113 Resp: 132034

Ion Ratio Lower Upper

113 100

55 188.3 150.2 190.2

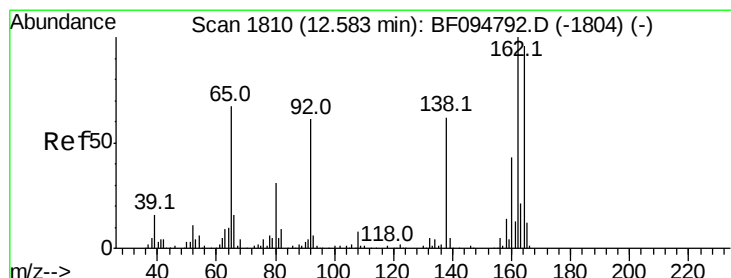
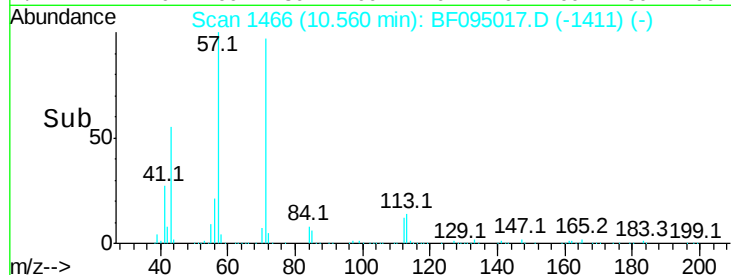
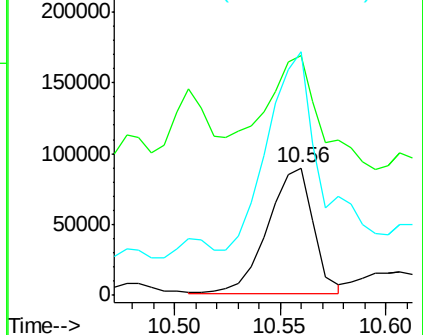
56 190.9 107.8 147.8#



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: 12.58 min Scan# 1809

Delta R.T. -0.01 min

Lab File: BF095017.D

Acq: 9 May 2017 11:34

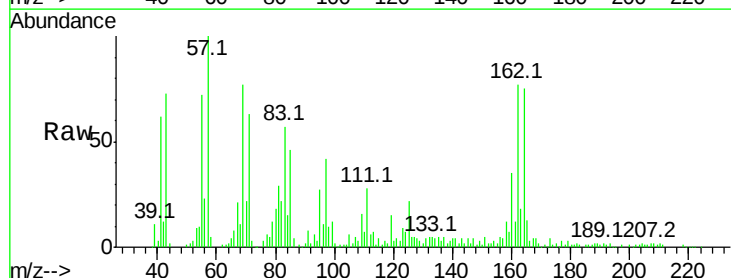
Tgt Ion:164 Resp: 148374

Ion Ratio Lower Upper

164 100

162 102.3 82.6 123.8

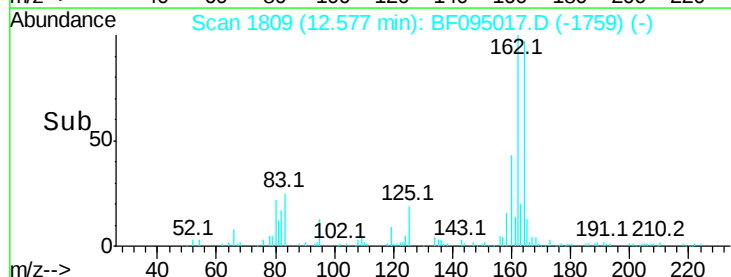
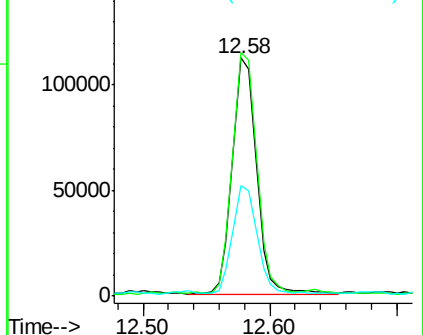
160 46.3 36.2 54.2

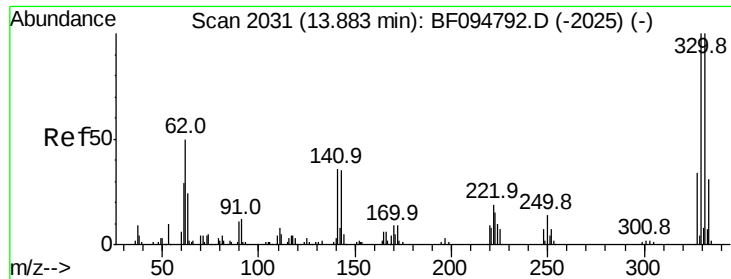


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

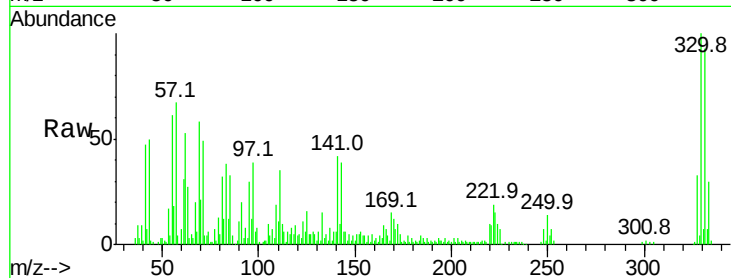




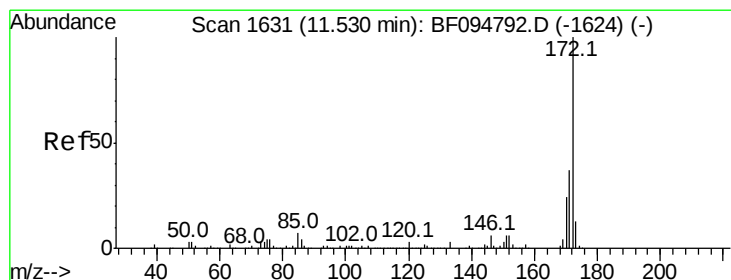
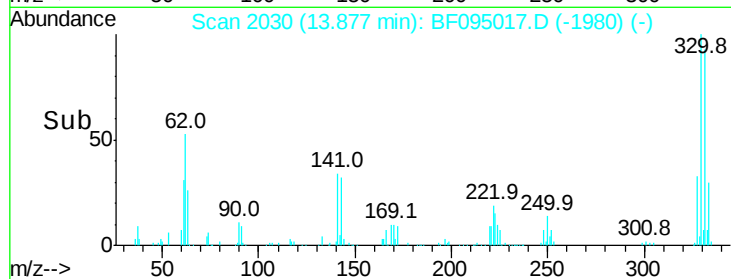
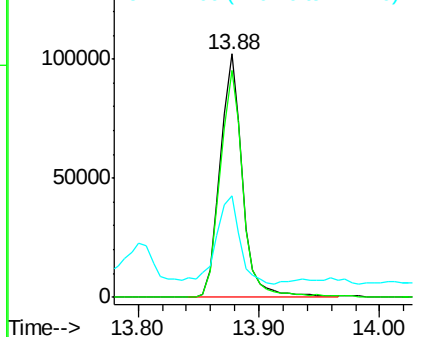
#41
 2,4,6-Tribromophenol
 Concen: 107.27 ng
 RT: 13.88 min Scan# 2030
 Delta R.T. -0.01 min
 Lab File: BF095017.D
 Acq: 9 May 2017 11:34

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	95.6	76.6	115.0
141	38.1	31.4	47.2

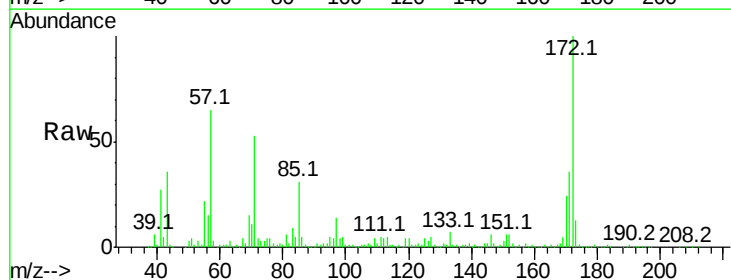


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

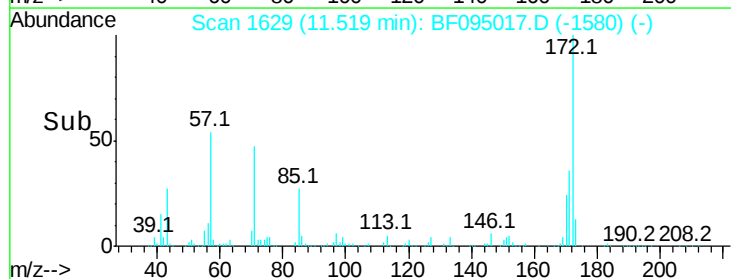
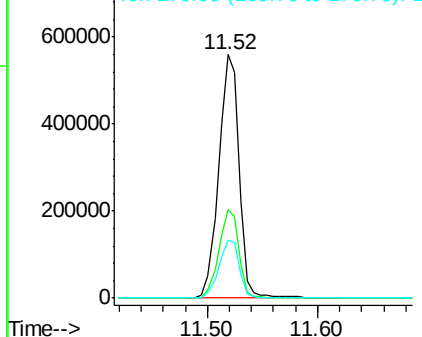


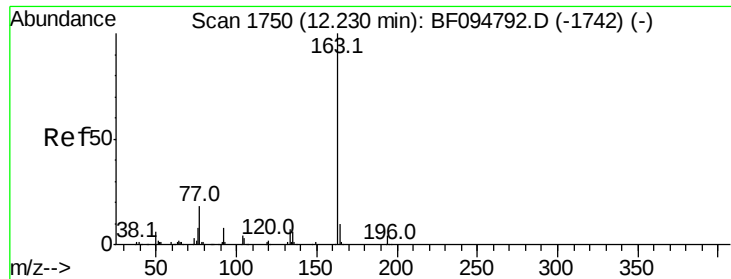
#44
 2-Fluorobiphenyl
 Concen: 69.53 ng
 RT: 11.52 min Scan# 1629
 Delta R.T. -0.01 min
 Lab File: BF095017.D
 Acq: 9 May 2017 11:34

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.2	29.6	44.4
170	23.7	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

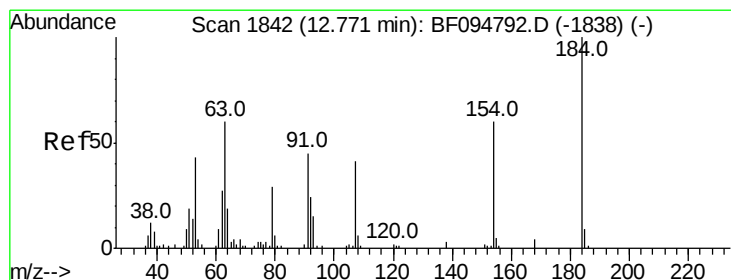
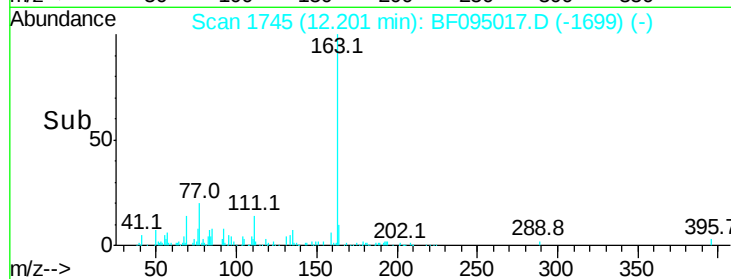
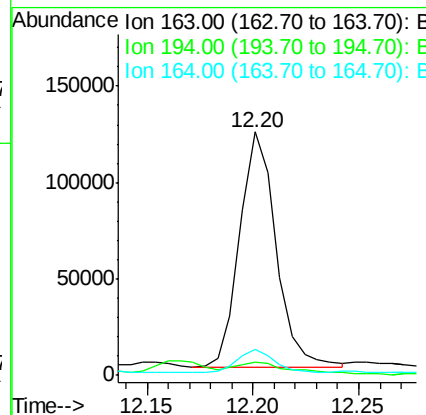
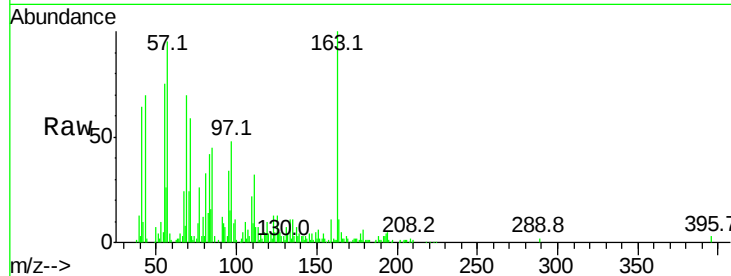




#49
Dimethylphthalate
Concen: 11.89 ng
RT: 12.20 min Scan# 1745
Delta R.T. -0.03 min
Lab File: BF095017.D
Acq: 9 May 2017 11:34

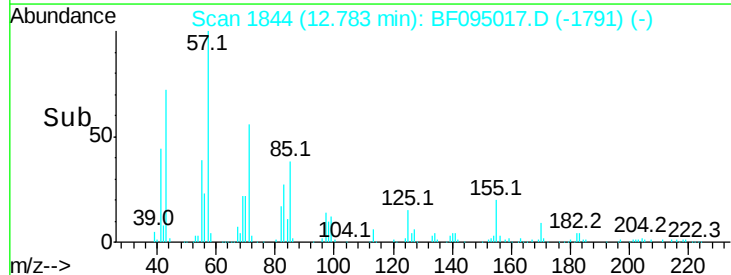
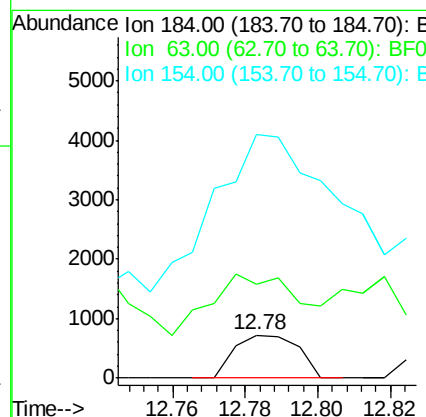
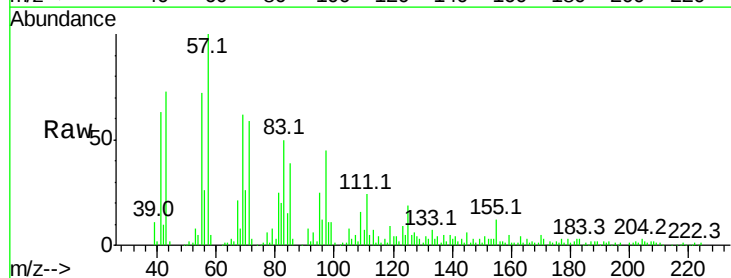
Instrument :
BNA_F
ClientSampleId :

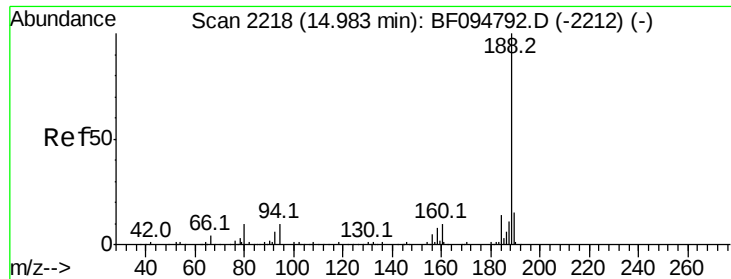
Tot Ion:163 Resp: 144827
Ion Ratio Lower Upper
163 100
194 5.4 2.6 4.0#
164 10.7 8.4 12.6



#53
2,4-Dinitrophenol
Concen: 6.84 ng
RT: 12.78 min Scan# 1844
Delta R.T. 0.01 min
Lab File: BF095017.D
Acq: 9 May 2017 11:34

Tgt Ion:184 Resp: 875
Ion Ratio Lower Upper
184 100
63 217.9 62.7 94.1#
154 568.1 81.1 121.7#





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 14.98 min Scan# 2218

Delta R.T. 0.00 min

Lab File: BF095017.D

Acq: 9 May 2017 11:34

Instrument :

BNA_F

ClientSampleId :

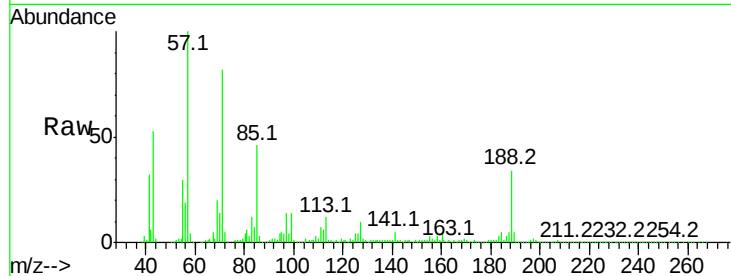
Tot Ion:188 Resp: 206697

Ion Ratio Lower Upper

188 100

94 11.9 9.4 14.2

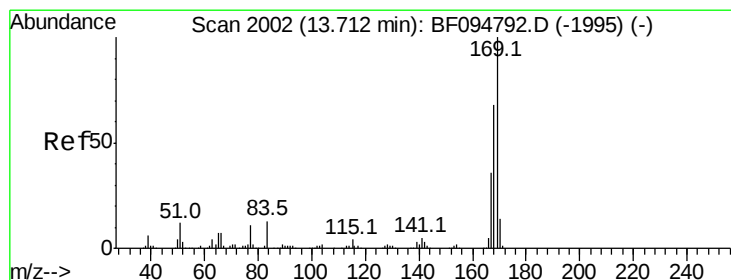
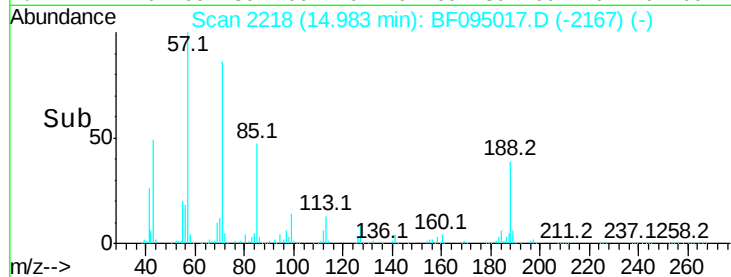
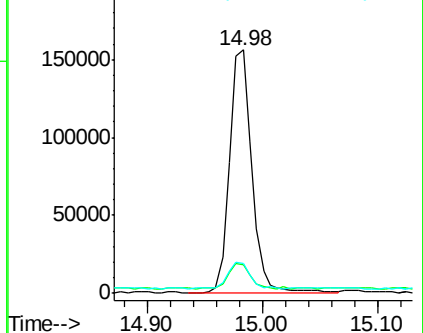
80 12.3 10.2 15.2



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: 2.13 ng

RT: 13.70 min Scan# 2000

Delta R.T. -0.01 min

Lab File: BF095017.D

Acq: 9 May 2017 11:34

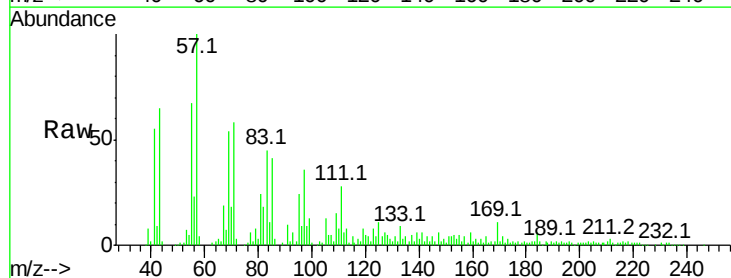
Tgt Ion:169 Resp: 15951

Ion Ratio Lower Upper

169 100

168 21.3 53.2 79.8#

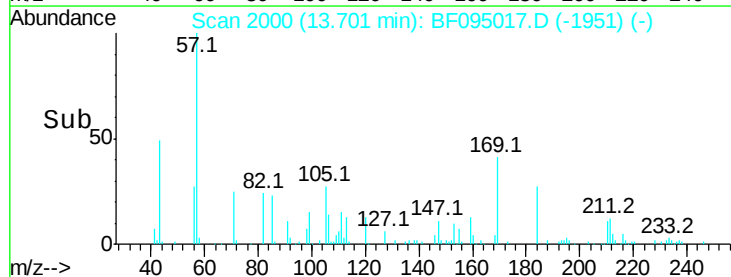
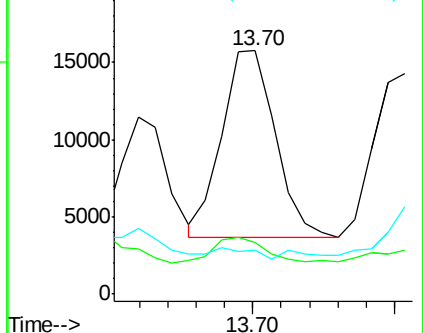
167 17.8 29.5 44.3#

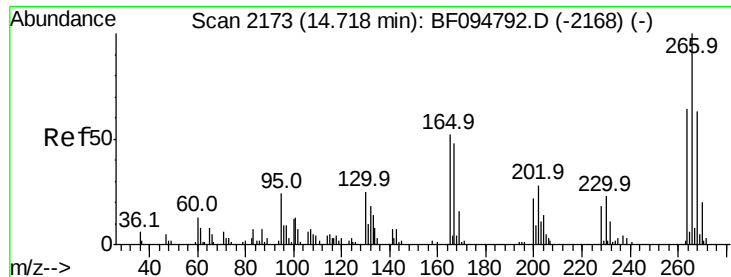


Abundance Ion 169.00 (168.70 to 169.70): E

Ion 168.00 (167.70 to 168.70): E

Ion 167.00 (166.70 to 167.70): E

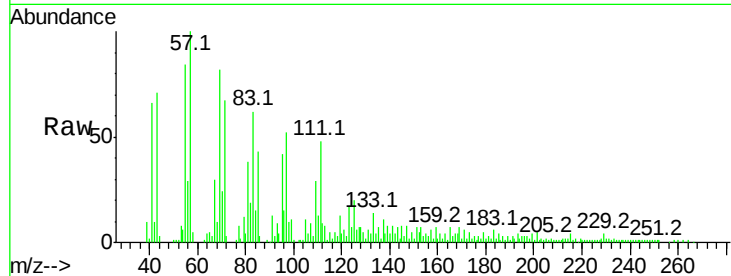




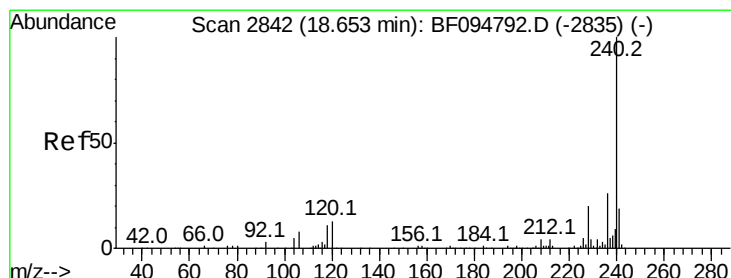
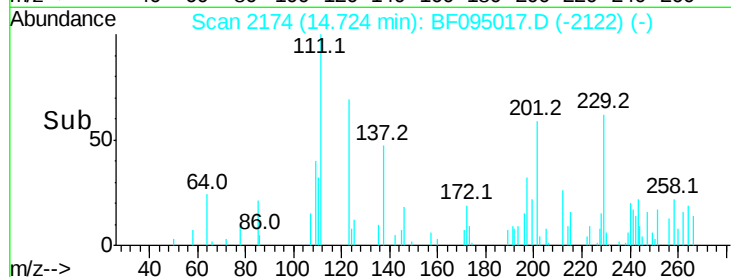
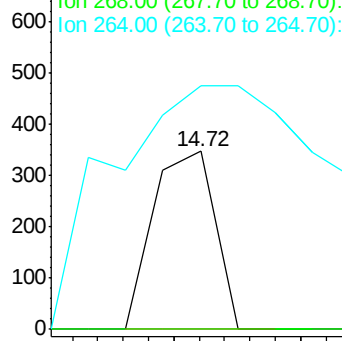
#69
 Pentachlorophenol
 Concen: 6.08 ng
 RT: 14.72 min Scan# 2174
 Delta R.T. 0.01 min
 Lab File: BF095017.D
 Acq: 9 May 2017 11:34

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:266 Resp: 232
 Ion Ratio Lower Upper
 266 100
 268 0.0 51.1 76.7#
 264 136.5 51.7 77.5#

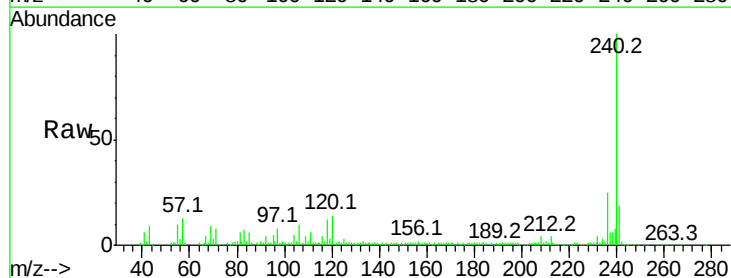


Abundance Ion 265.70 (265.40 to 266.40): E
 Ion 268.00 (267.70 to 268.70): E
 Ion 264.00 (263.70 to 264.70): E

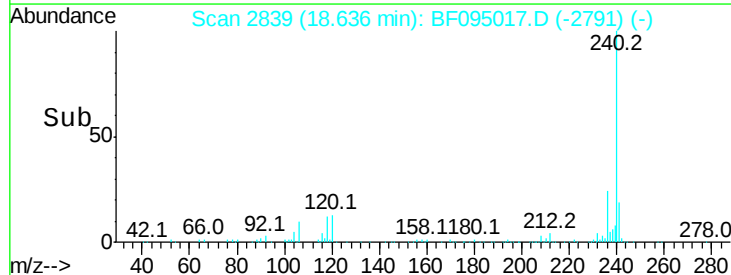
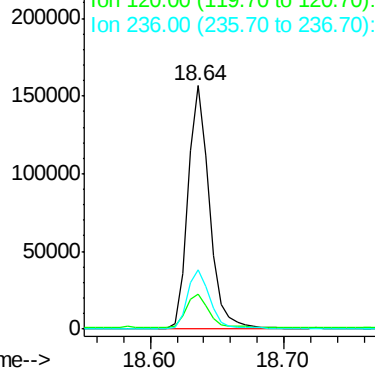


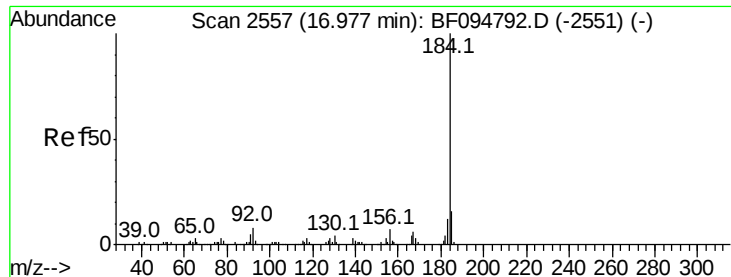
#75
 Chrysene-d12
 Concen: 20.00 ng
 RT: 18.64 min Scan# 2839
 Delta R.T. -0.02 min
 Lab File: BF095017.D
 Acq: 9 May 2017 11:34

Tgt Ion:240 Resp: 179100
 Ion Ratio Lower Upper
 240 100
 120 14.3 5.8 8.8#
 236 24.6 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: 6.73 ng

RT: 16.95 min Scan# 2552

Delta R.T. -0.03 min

Lab File: BF095017.D

Acq: 9 May 2017 11:34

Instrument :

BNA_F

ClientSampled :

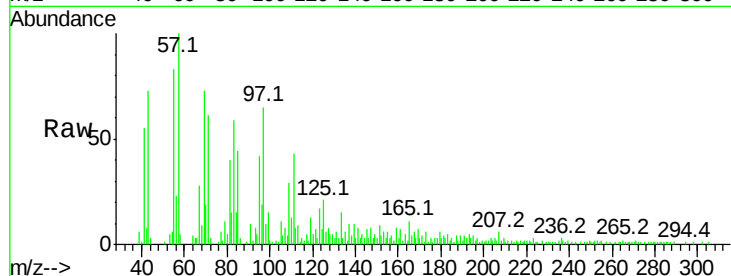
Tot Ion:184 Resp: 789

Ion Ratio Lower Upper

184 100

185 190.4 15.5 23.3#

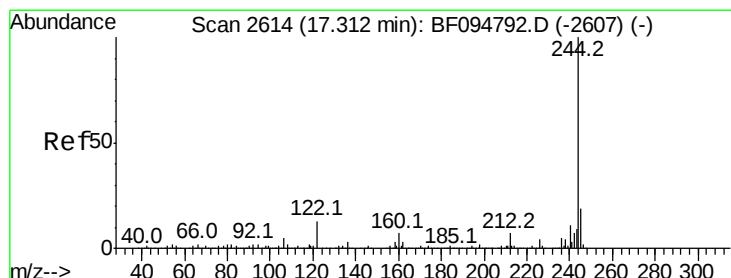
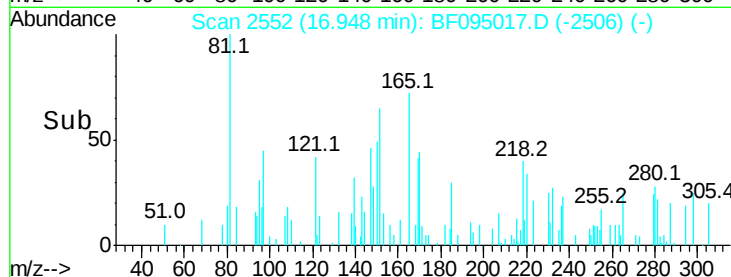
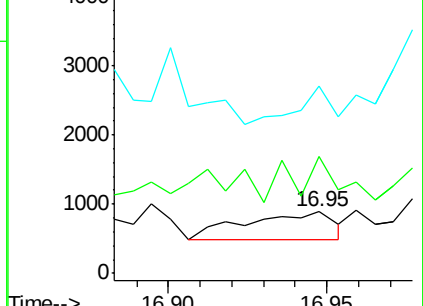
183 305.3 9.8 14.6#



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: 66.72 ng

RT: 17.29 min Scan# 2611

Delta R.T. -0.02 min

Lab File: BF095017.D

Acq: 9 May 2017 11:34

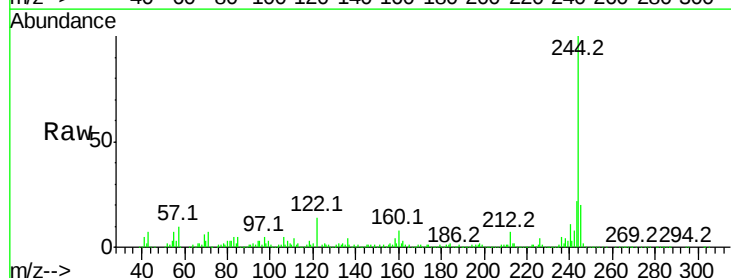
Tgt Ion:244 Resp: 542498

Ion Ratio Lower Upper

244 100

212 6.9 6.0 9.0

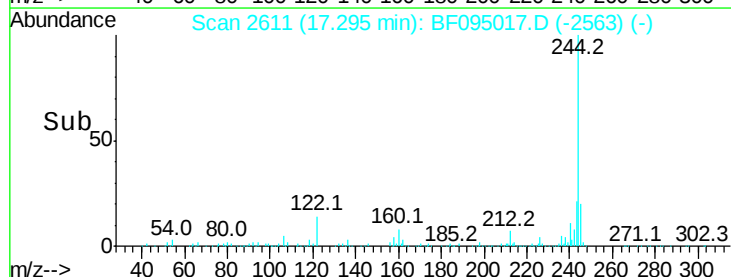
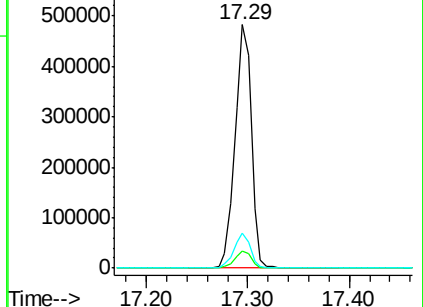
122 14.2 10.3 15.5

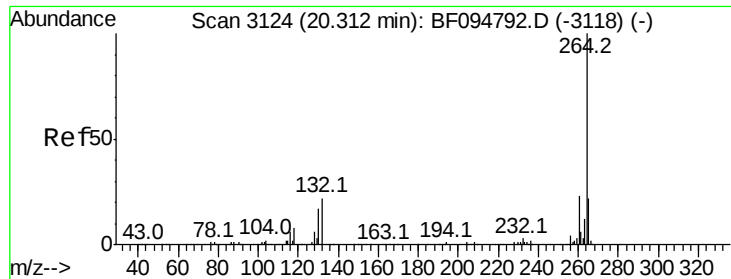


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

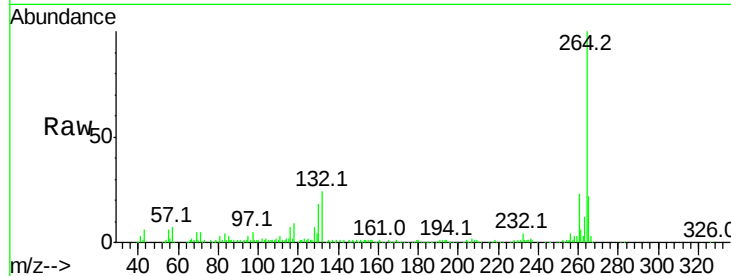




#86
 Pervlene-d12
 Concen: 20.00 ng
 RT: 20.30 min Scan# 3122
 Delta R.T. -0.01 min
 Lab File: BF095017.D
 Acq: 9 May 2017 11:34

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.1	19.5	29.3
265	22.0	17.2	25.8



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

