

Data Path : Z:\HPCHEM1\BNA F\DATA\BF053117\
 Data File : BF095572.D
 Acq On : 31 May 2017 19:36
 Operator : SJ/MA
 Sample : I3329-10
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jun 01 01:35:26 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF050217.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri May 26 16:50:16 2017
 Response via : Initial Calibration

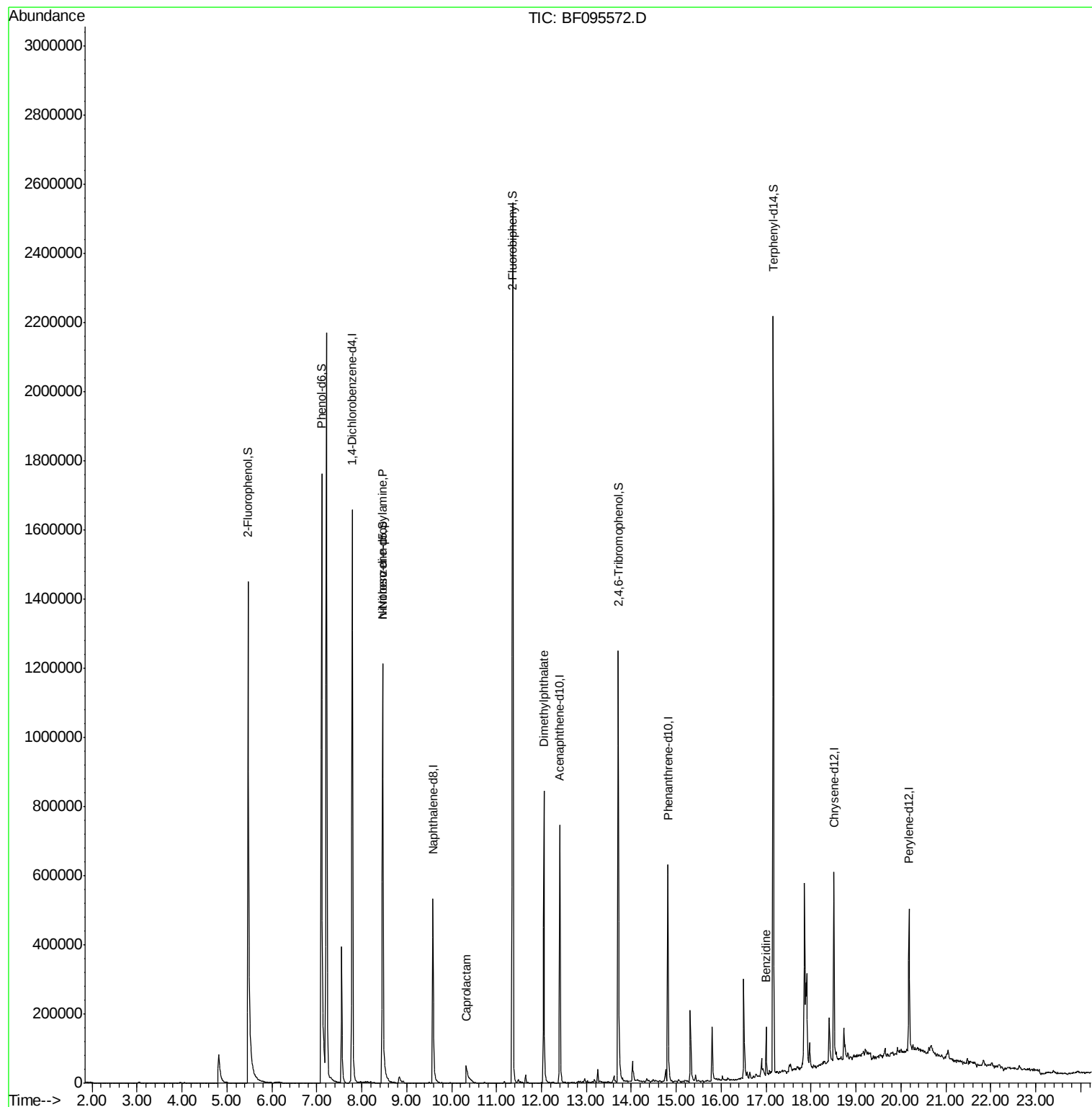
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.79	152	396166	20.00	ng	0.05
21) Naphthalene-d8	9.58	136	420633	20.00	ng	-0.18
38) Acenaphthene-d10	12.41	164	205589	20.00	ng	-0.19
63) Phenanthrene-d10	14.81	188	358636	20.00	ng	-0.19
75) Chrysene-d12	18.51	240	244757	20.00	ng	-0.17
86) Perylene-d12	20.18	264	187596	20.00	ng	-0.18
System Monitoring Compounds						
5) 2-Fluorophenol	5.47	112	842782	35.47	ng	-0.24
7) Phenol-d6	7.11	99	1106718	38.82	ng	-0.19
23) Nitrobenzene-d5	8.47	82	645408	96.76	ng	-0.19
41) 2,4,6-Tribromophenol	13.71	330	222357	132.06	ng	-0.19
44) 2-Fluorobiphenyl	11.36	172	1198293	83.89	ng	-0.18
78) Terphenyl-d14	17.16	244	868583	78.16	ng	-0.16
Target Compounds						
19) n-Nitroso-di-n-propylamine	8.47	70	81104	4.21	ng	# 79
35) Caprolactam	10.33	113	16693	9.65	ng	# 85
49) Dimethylphthalate	12.05	163	523581	31.02	ng	99
76) Benzidine	17.00	184	397	6.64	ng	# 1

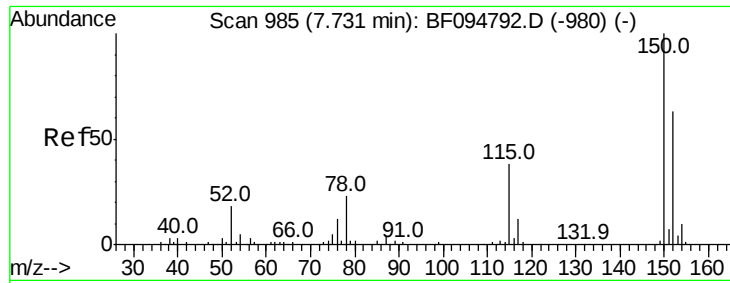
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 7.79 min Scan# 1012

Delta R.T. 0.05 min

Lab File: BF095572.D

Acq: 31 May 2017 19:36

Instrument :

BNA_F

ClientSampled :

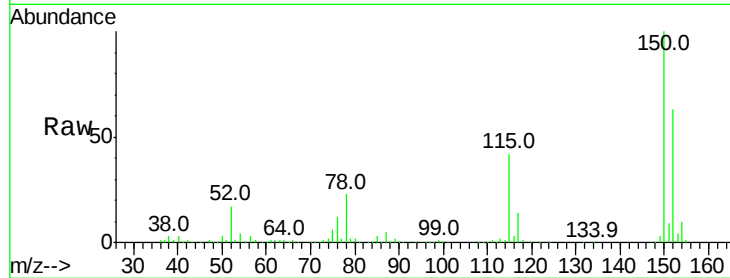
Tot Ion:152 Resp: 396166

Ion Ratio Lower Upper

152 100

150 157.7 126.2 189.2

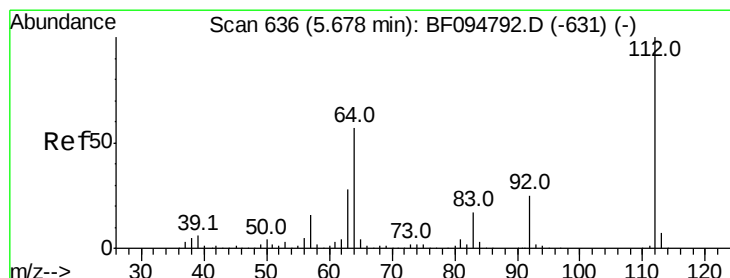
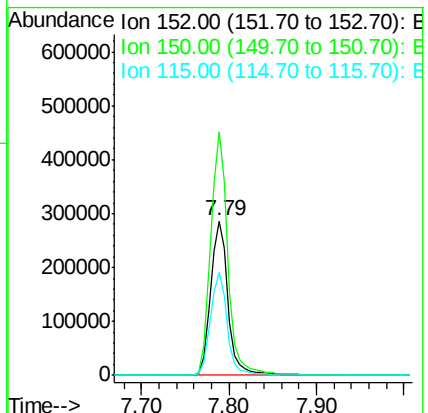
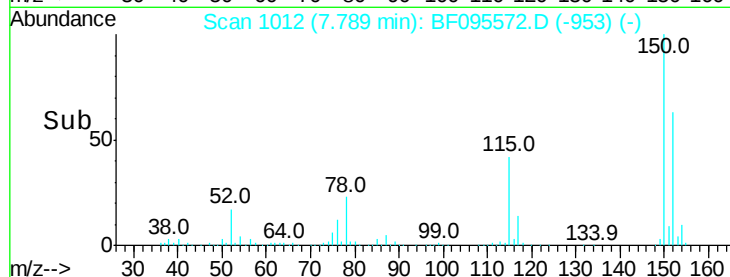
115 66.8 52.2 78.2



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: 35.47 ng

RT: 5.47 min Scan# 617

Delta R.T. -0.24 min

Lab File: BF095572.D

Acq: 31 May 2017 19:36

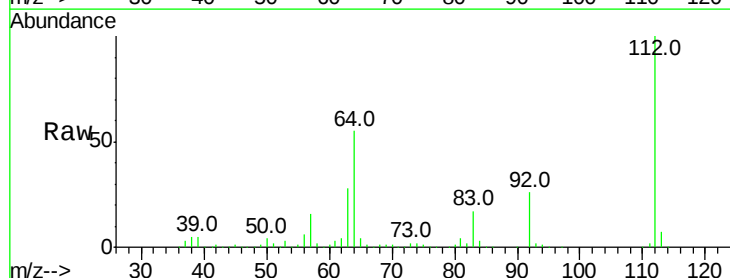
Tgt Ion:112 Resp: 842782

Ion Ratio Lower Upper

112 100

64 55.2 46.0 69.0

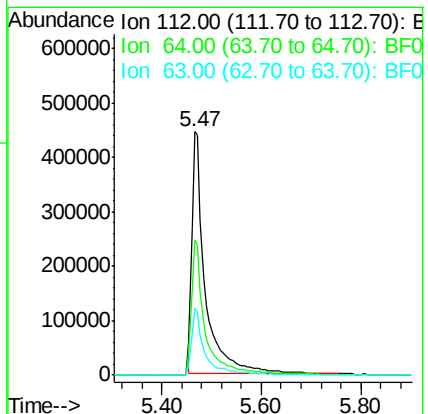
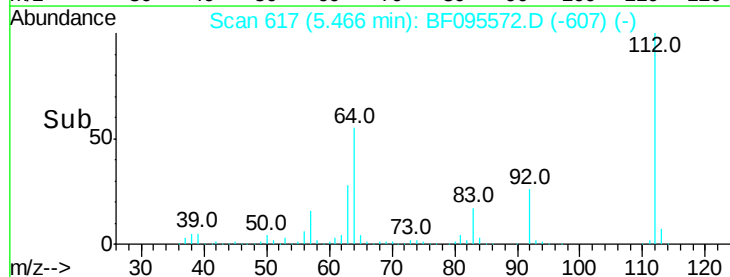
63 27.7 23.4 35.0

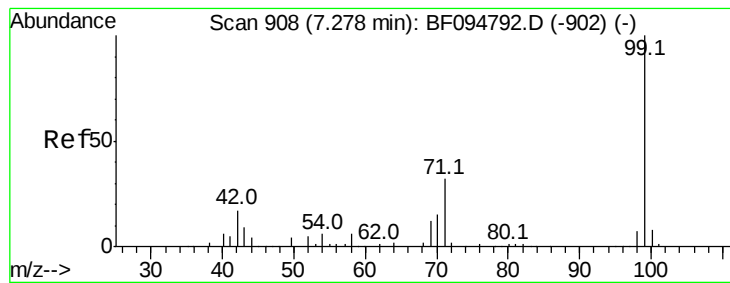


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 38.82 ng

RT: 7.11 min Scan# 896

Delta R.T. -0.19 min

Lab File: BF095572.D

Acq: 31 May 2017 19:36

Instrument :

BNA_F

ClientSampleId :

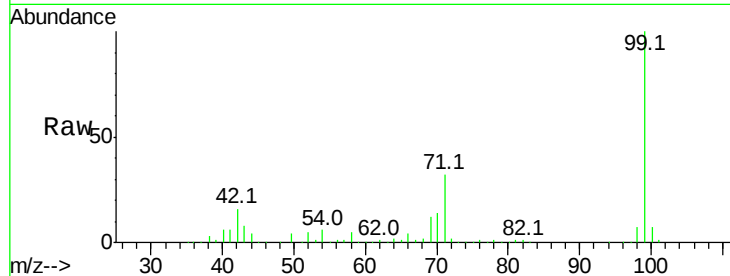
Tot Ion: 99 Resp: 1106718

Ion Ratio Lower Upper

99 100

42 16.2 13.5 20.3

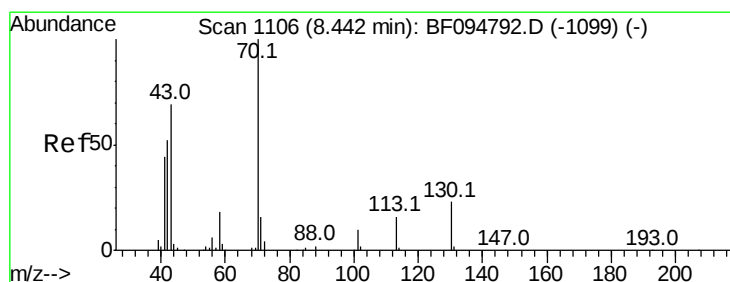
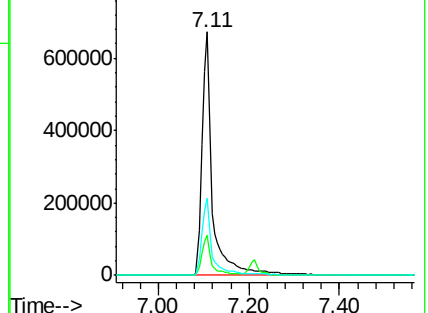
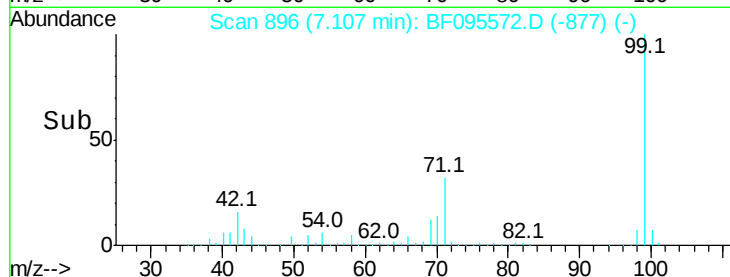
71 31.9 24.5 36.7



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: 4.21 ng

RT: 8.47 min Scan# 1127

Delta R.T. 0.01 min

Lab File: BF095572.D

Acq: 31 May 2017 19:36

Tgt Ion: 70 Resp: 81104

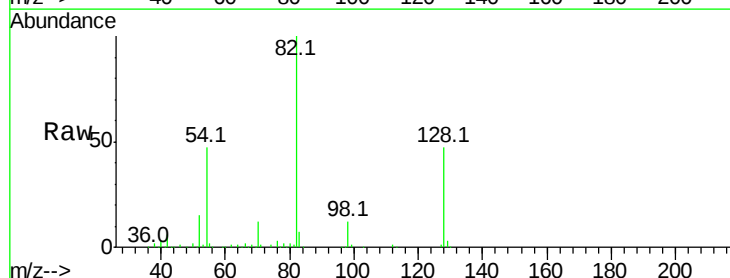
Ion Ratio Lower Upper

70 100

42 47.7 47.2 70.8

101 0.0 7.2 10.8#

130 2.4 15.9 23.9#

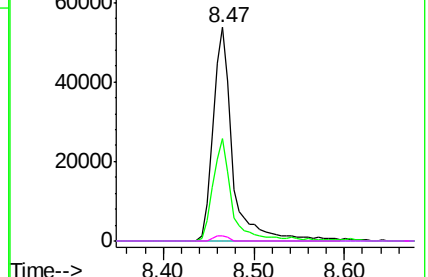
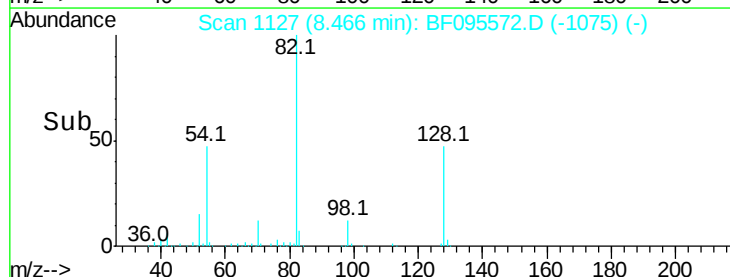


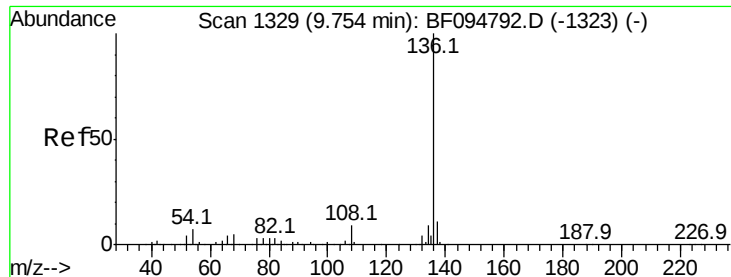
Abundance Ion 70.00 (69.70 to 70.70): BF0

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: 9.58 min Scan# 1317

Delta R.T. -0.18 min

Lab File: BF095572.D

Acq: 31 May 2017 19:36

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 420633

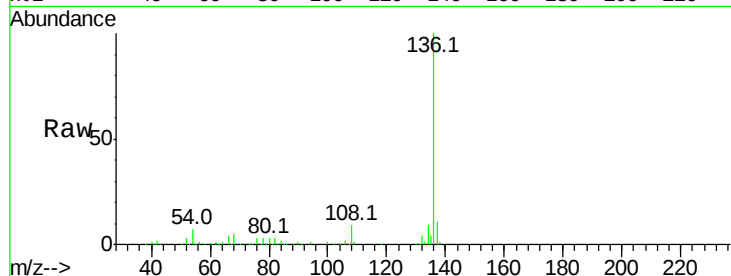
Ion Ratio Lower Upper

136 100

137 10.7 8.5 12.7

54 6.6 4.9 7.3

68 5.3 4.1 6.1

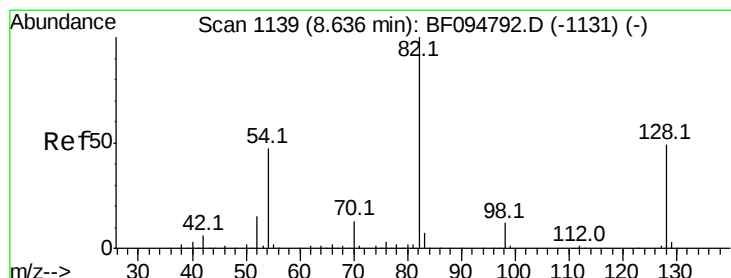
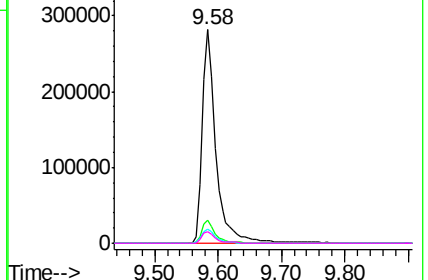
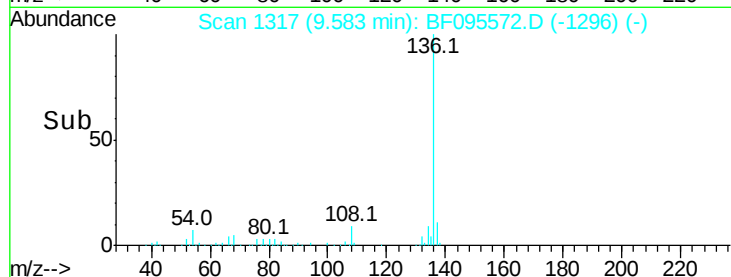


Abundance Ion 136.00 (135.70 to 136.70): E

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: 96.76 ng

RT: 8.47 min Scan# 1127

Delta R.T. -0.19 min

Lab File: BF095572.D

Acq: 31 May 2017 19:36

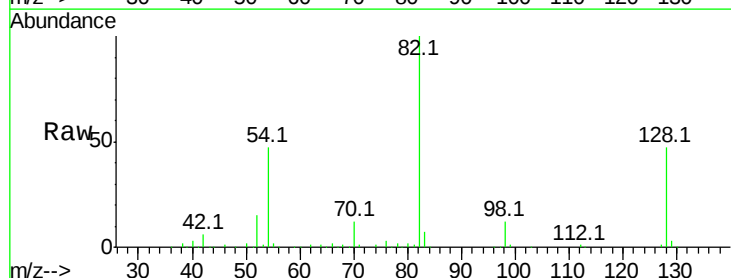
Tgt Ion: 82 Resp: 645408

Ion Ratio Lower Upper

82 100

128 46.6 34.0 51.0

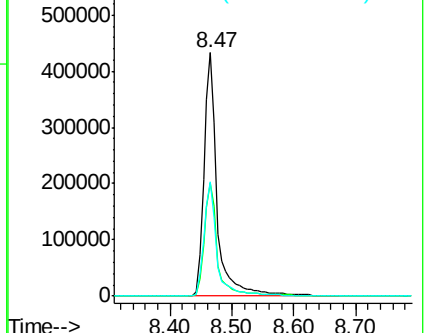
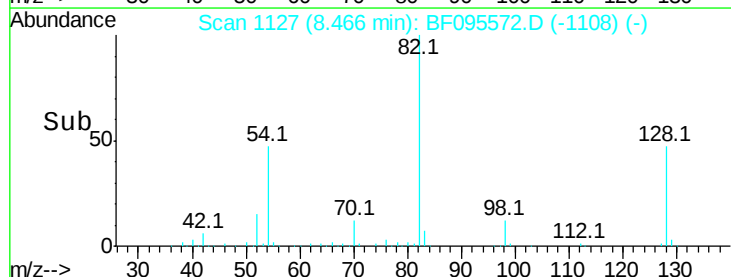
54 46.7 42.2 63.2

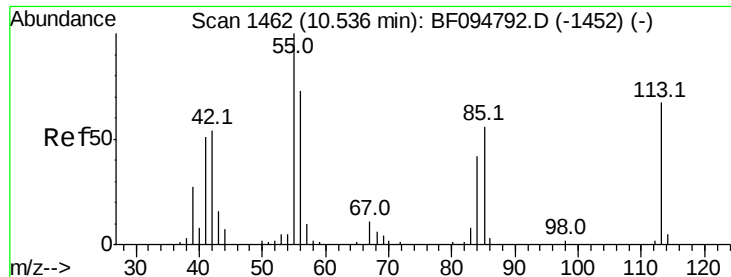


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0





#35

Caprolactam

Concen: 9.65 ng

RT: 10.33 min Scan# 1444

Delta R.T. -0.26 min

Lab File: BF095572.D

Acq: 31 May 2017 19:36

Instrument :

BNA_F

ClientSampled :

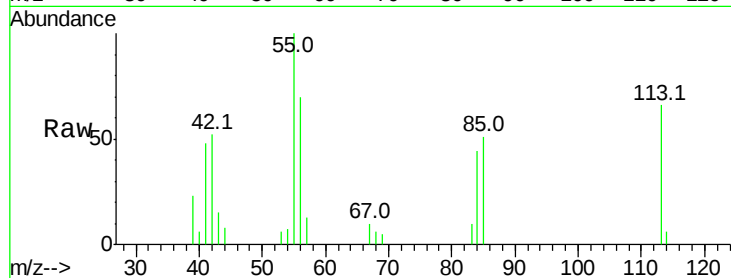
Tot Ion:113 Resp: 16693

Ion Ratio Lower Upper

113 100

55 152.5 150.2 190.2

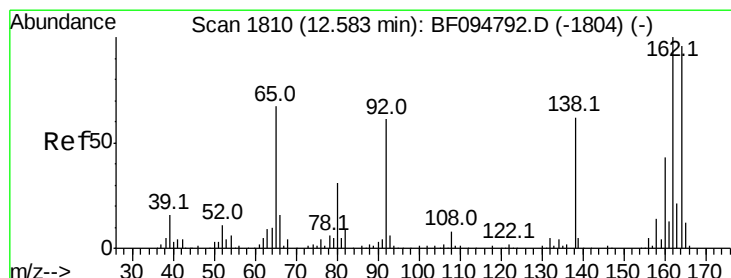
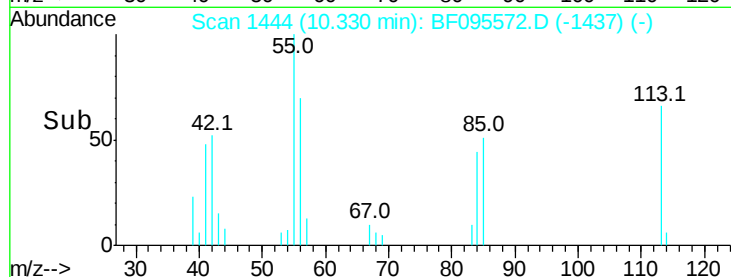
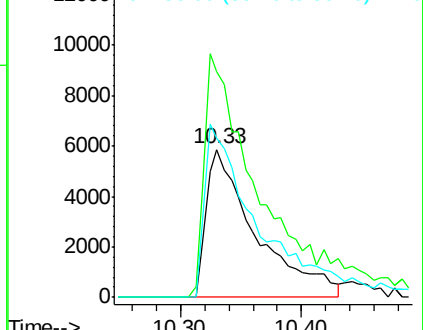
56 107.5 107.8 147.8#



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: 12.41 min Scan# 1797

Delta R.T. -0.19 min

Lab File: BF095572.D

Acq: 31 May 2017 19:36

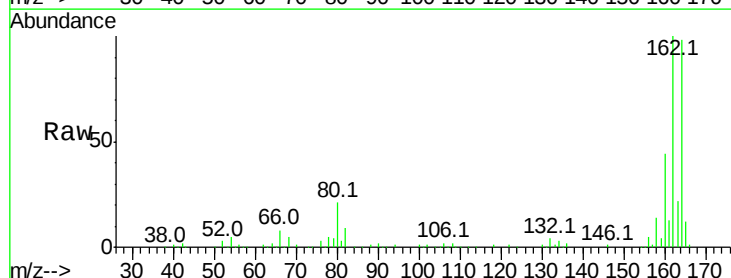
Tgt Ion:164 Resp: 205589

Ion Ratio Lower Upper

164 100

162 102.4 82.6 123.8

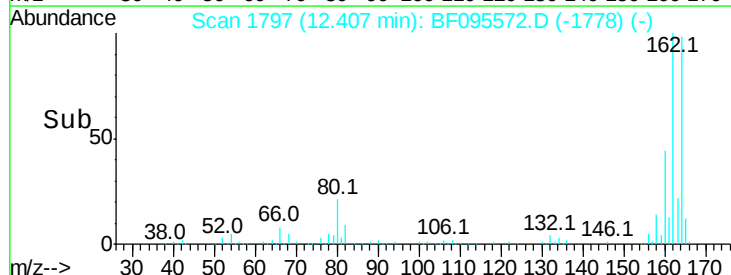
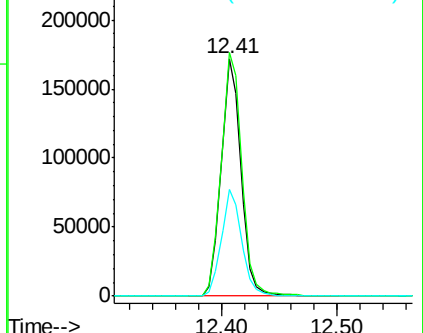
160 44.7 36.2 54.2

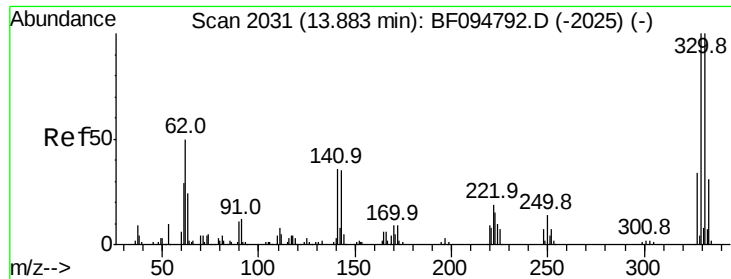


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

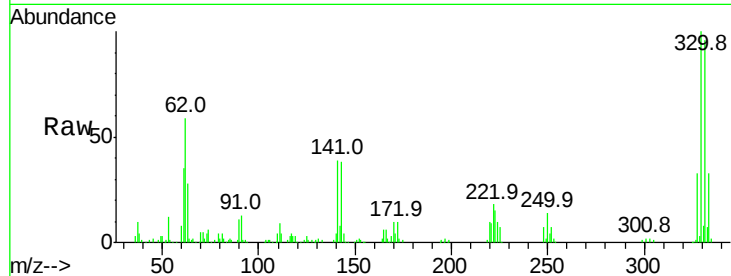




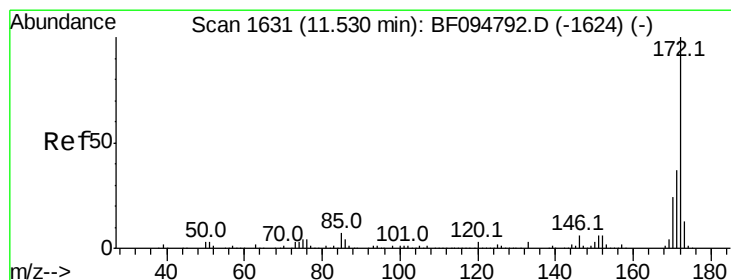
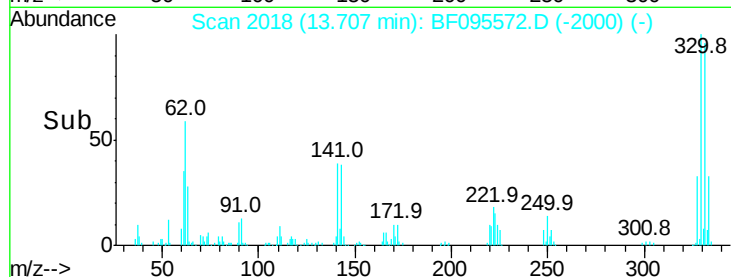
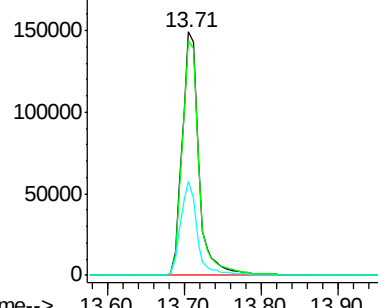
#41
 2,4,6-Tribromophenol
 Concen: 132.06 ng
 RT: 13.71 min Scan# 2018
 Delta R.T. -0.19 min
 Lab File: BF095572.D
 Acq: 31 May 2017 19:36

Instrument :
 BNA_F
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
330	100		
332	97.0	76.6	115.0
141	38.7	31.4	47.2

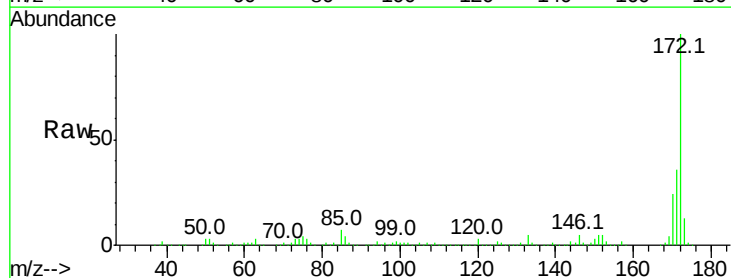


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

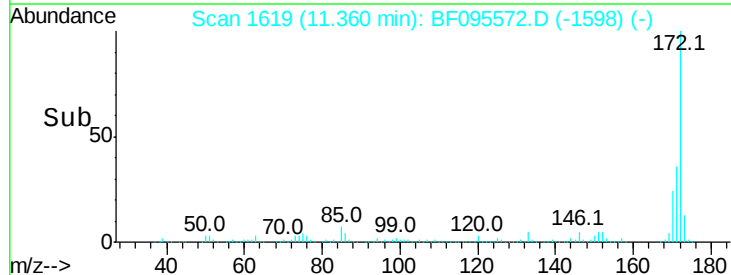
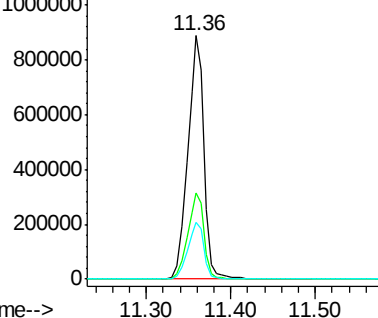


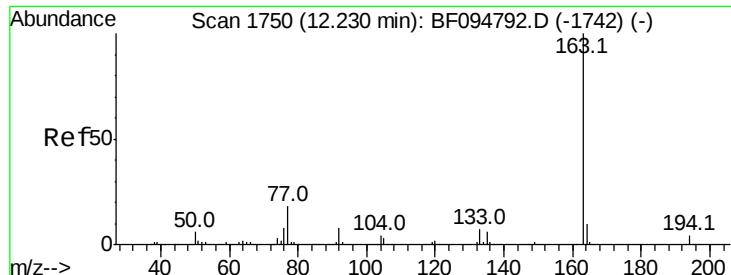
#44
 2-Fluorobiphenyl
 Concen: 83.89 ng
 RT: 11.36 min Scan# 1619
 Delta R.T. -0.18 min
 Lab File: BF095572.D
 Acq: 31 May 2017 19:36

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.6	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: 31.02 ng

RT: 12.05 min Scan# 1737

Delta R.T. -0.19 min

Lab File: BF095572.D

Acq: 31 May 2017 19:36

Instrument :

BNA_F

ClientSampleId :

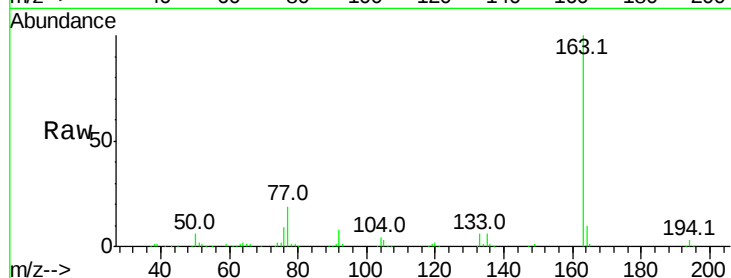
Tot Ion:163 Resp: 523581

Ion Ratio Lower Upper

163 100

194 3.5 2.6 4.0

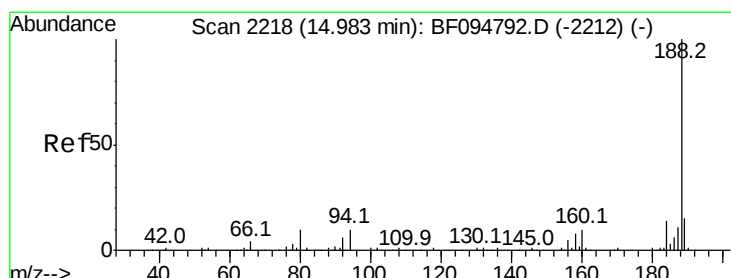
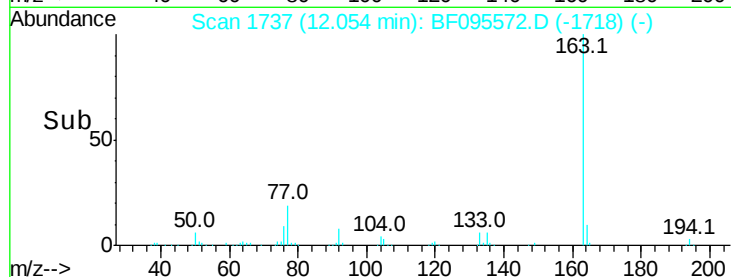
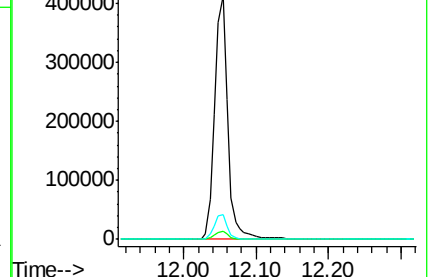
164 10.0 8.4 12.6



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



#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 14.81 min Scan# 2206

Delta R.T. -0.19 min

Lab File: BF095572.D

Acq: 31 May 2017 19:36

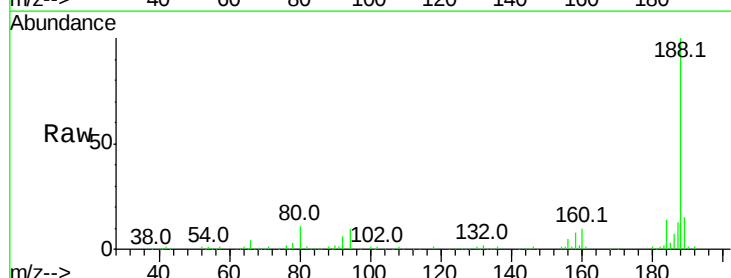
Tgt Ion:188 Resp: 358636

Ion Ratio Lower Upper

188 100

94 10.4 9.4 14.2

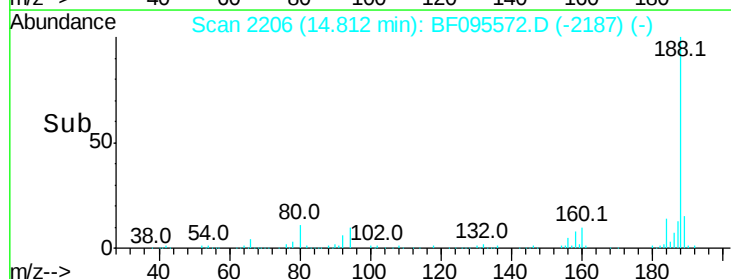
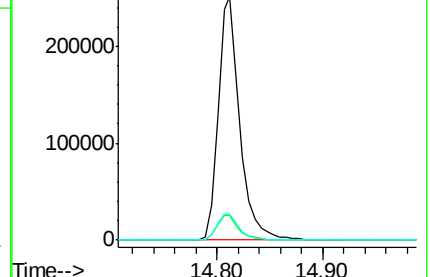
80 10.9 10.2 15.2

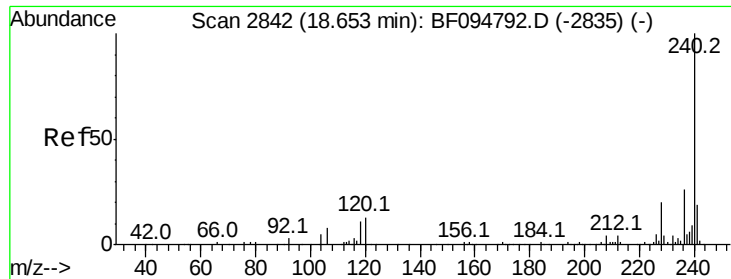


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0





#75

Chrysene-d12

Concen: 20.00 ng

RT: 18.51 min Scan# 2834

Delta R.T. -0.17 min

Lab File: BF095572.D

Acq: 31 May 2017 19:36

Instrument :

BNA_F

ClientSampleId :

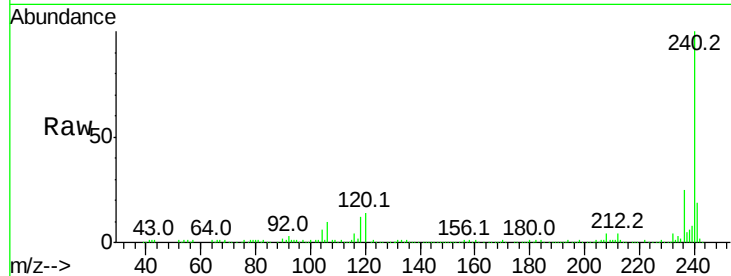
Tot Ion:240 Resp: 244757

Ion Ratio Lower Upper

240 100

120 13.9 5.8 8.8#

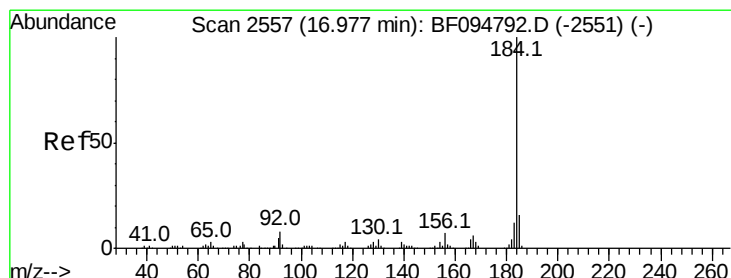
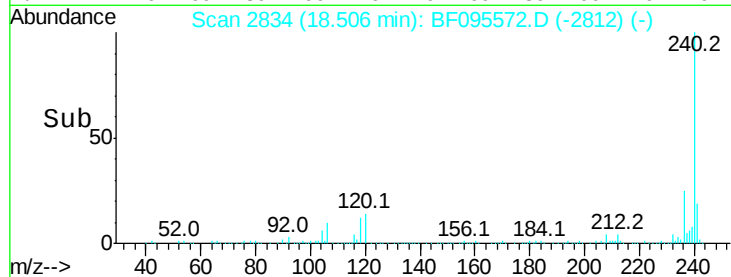
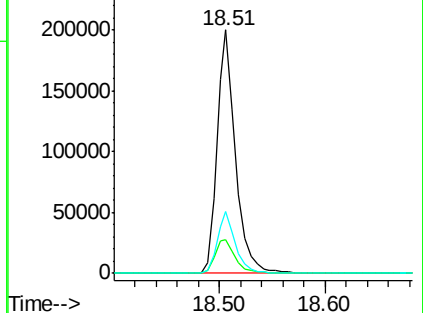
236 25.4 20.5 30.7



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: 6.64 ng

RT: 17.00 min Scan# 2578

Delta R.T. -0.01 min

Lab File: BF095572.D

Acq: 31 May 2017 19:36

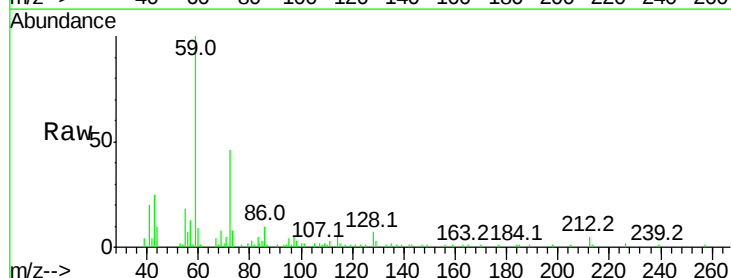
Tgt Ion:184 Resp: 397

Ion Ratio Lower Upper

184 100

185 95.5 15.5 23.3#

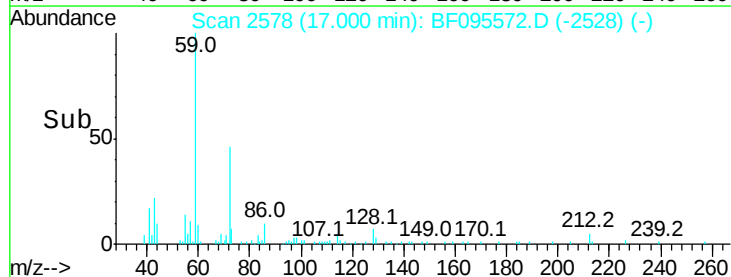
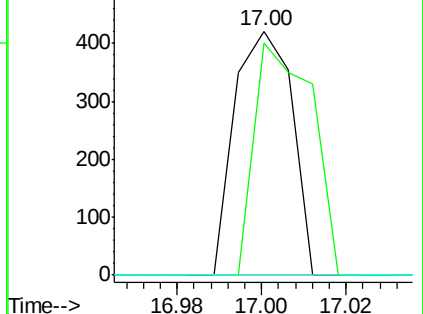
183 0.0 9.8 14.6#

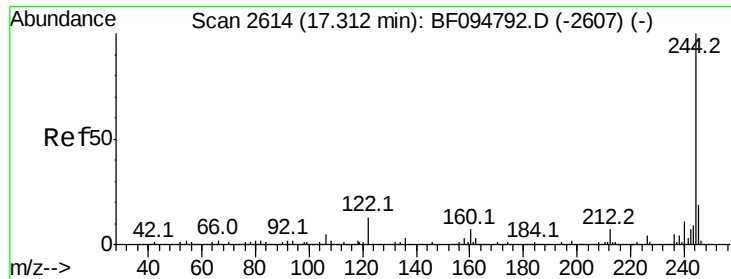


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E

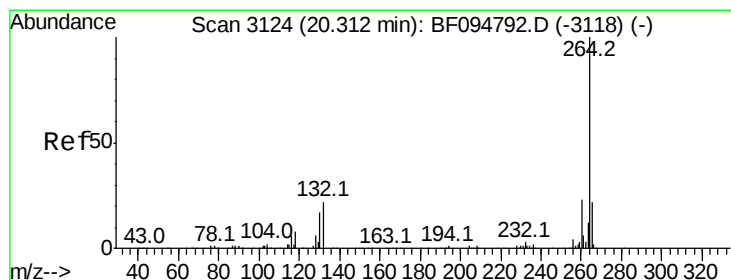
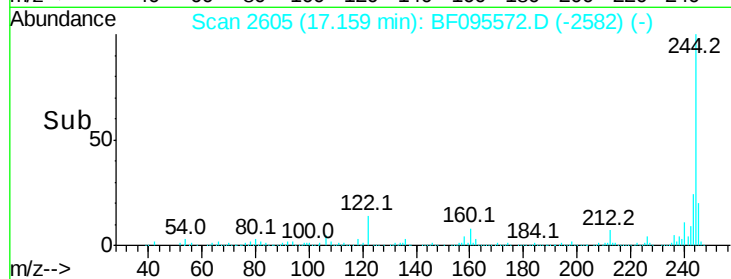
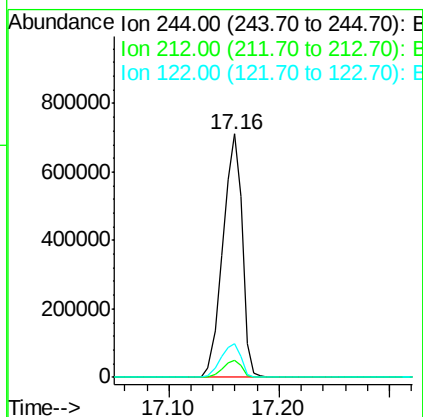
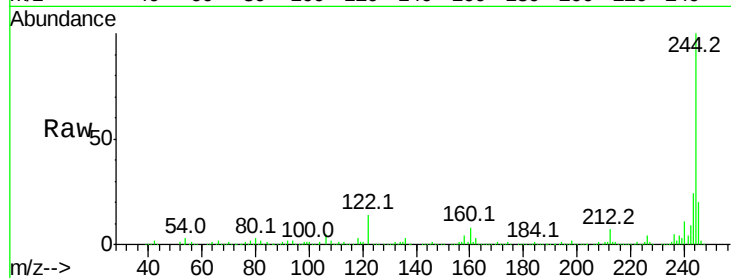




#78
 Terphenyl-d14
 Concen: 78.16 ng
 RT: 17.16 min Scan# 2605
 Delta R.T. -0.16 min
 Lab File: BF095572.D
 Acq: 31 May 2017 19:36

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:244 Resp: 868583
 Ion Ratio Lower Upper
 244 100
 212 7.0 6.0 9.0
 122 14.1 10.3 15.5



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 20.18 min Scan# 3118
 Delta R.T. -0.18 min
 Lab File: BF095572.D
 Acq: 31 May 2017 19:36

Tgt Ion:264 Resp: 187596
 Ion Ratio Lower Upper
 264 100
 260 22.6 19.5 29.3
 265 21.1 17.2 25.8

