

Data Path : Z:\HPCHEM1\BNA F\DATA\BF052517\
 Data File : BF095433.D
 Acq On : 25 May 2017 20:23
 Operator : SJ/MA
 Sample : I3331-08
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: May 26 01:14:30 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF050217.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu May 18 17:07:53 2017
 Response via : Initial Calibration

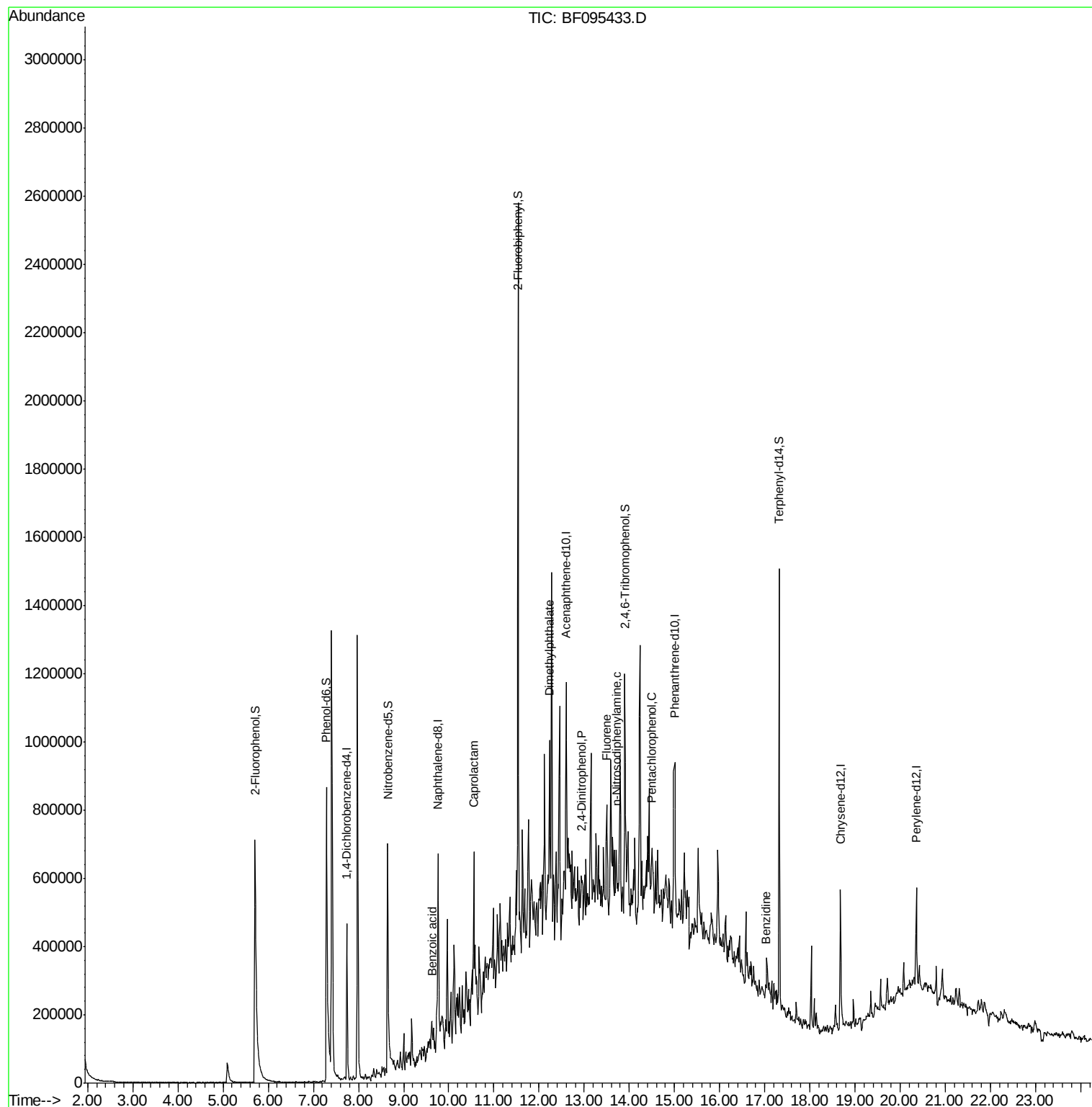
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.74	152	103117	20.00	ng	-0.02
21) Naphthalene-d8	9.77	136	413621	20.00	ng	-0.02
38) Acenaphthene-d10	12.60	164	171101	20.00	ng	-0.02
63) Phenanthrene-d10	15.01	188	259746	20.00	ng	-0.02
75) Chrysene-d12	18.68	240	200073	20.00	ng	-0.02
86) Perylene-d12	20.35	264	156125	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.71	112	607136	98.16	ng	-0.03
7) Phenol-d6	7.29	99	749970	101.06	ng	-0.02
23) Nitrobenzene-d5	8.65	82	441901	67.37	ng	-0.02
41) 2,4,6-Tribromophenol	13.91	330	125573	89.61	ng	-0.01
44) 2-Fluorobiphenyl	11.54	172	817298	68.75	ng	-0.02
78) Terphenyl-d14	17.32	244	505048	55.60	ng	-0.02
Target Compounds						Qvalue
32) Benzoic acid	9.63	122	1742	5.48	ng	# 9
35) Caprolactam	10.55	113	13771	8.10	ng	# 45
49) Dimethylphthalate	12.23	163	201050	14.31	ng	# 98
53) 2,4-Dinitrophenol	12.95	184	134	6.32	ng	# 1
57) Fluorene	13.50	166	39112	2.99	ng	# 85
65) n-Nitrosodiphenylamine	13.71	169	62460	6.63	ng	# 45
69) Pentachlorophenol	14.50	266	559	6.27	ng	# 18
76) Benzidine	17.01	184	1864	6.89	ng	# 1

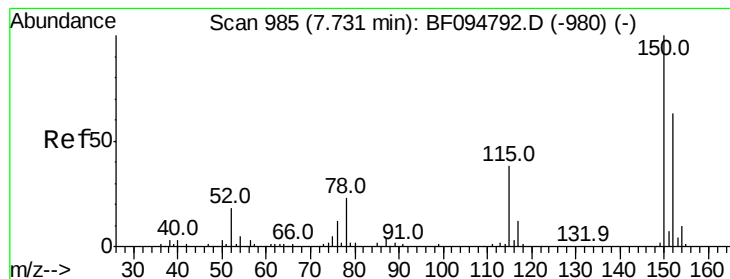
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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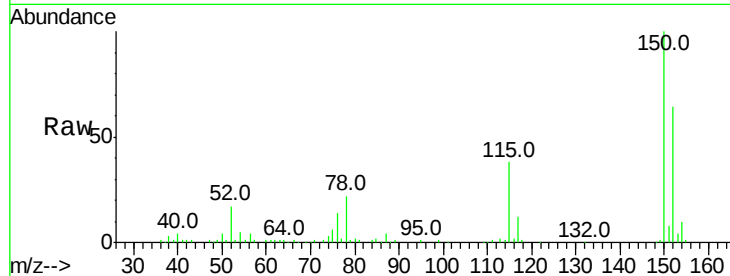


#1

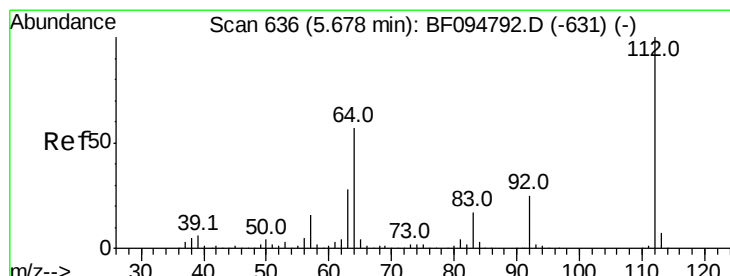
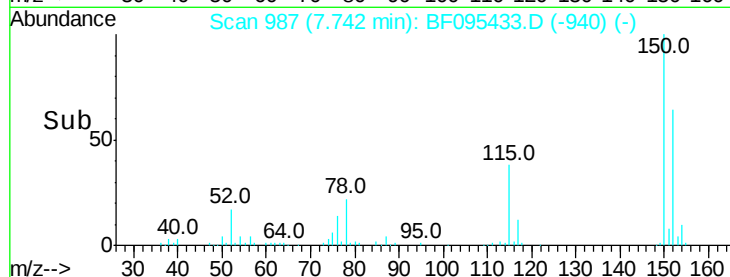
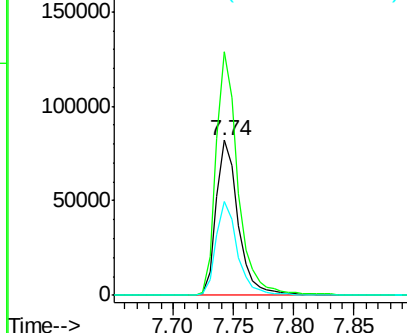
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.74 min Scan# 987
Delta R.T. -0.02 min
Lab File: BF095433.D
Acq: 25 May 2017 20:23

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	157.0	126.2	189.2
115	60.1	52.2	78.2



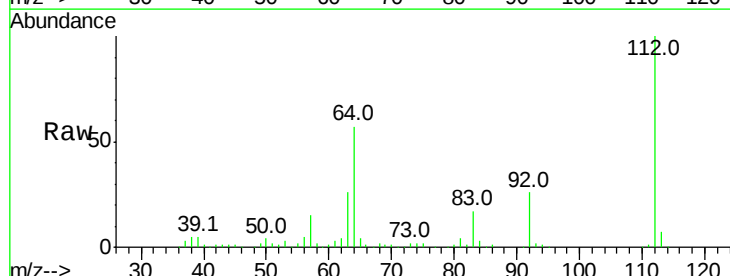
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



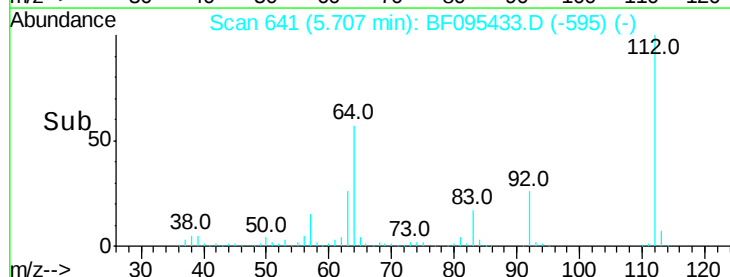
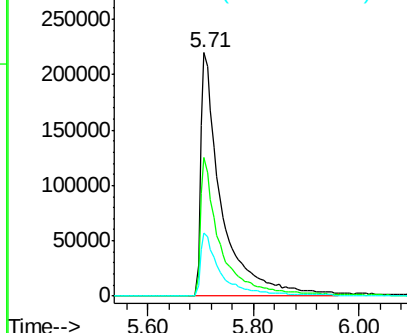
#5

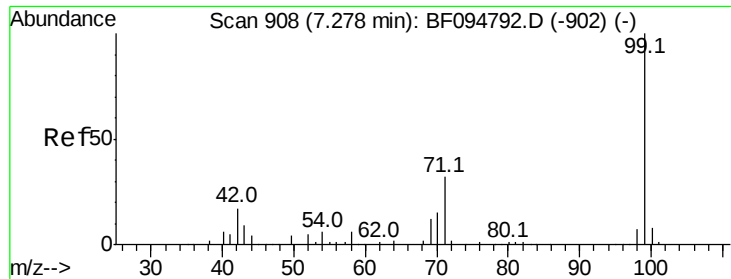
2-Fluorophenol
Concen: 98.16 ng
RT: 5.71 min Scan# 641
Delta R.T. -0.03 min
Lab File: BF095433.D
Acq: 25 May 2017 20:23

Tgt Ion	Ratio	Lower	Upper
112	100		
64	56.7	46.0	69.0
63	26.1	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: 101.06 ng

RT: 7.29 min Scan# 910

Delta R.T. -0.02 min

Lab File: BF095433.D

Acq: 25 May 2017 20:23

Instrument :

BNA_F

ClientSampleId :

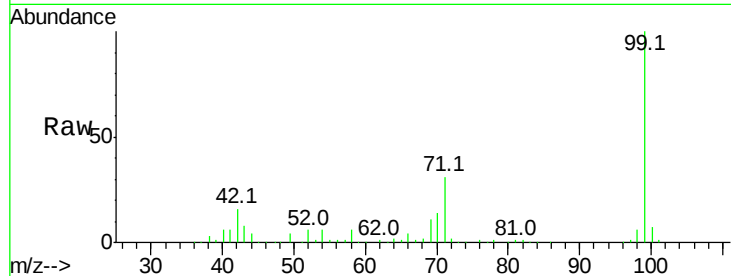
Tot Ion: 99 Resp: 749970

Ion Ratio Lower Upper

99 100

42 15.6 13.5 20.3

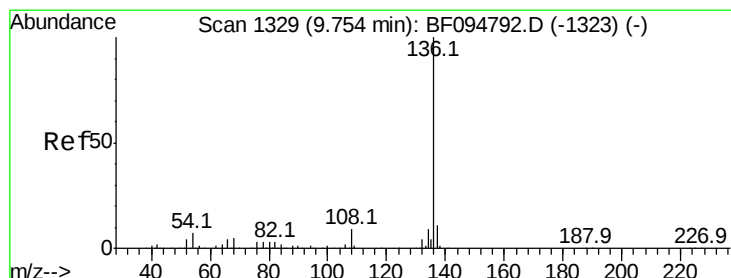
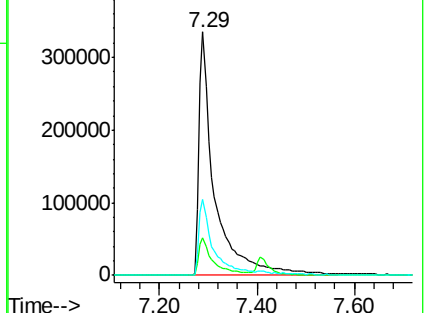
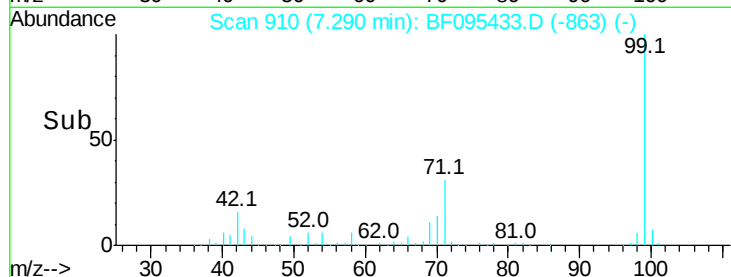
71 31.0 24.5 36.7



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



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 9.77 min Scan# 1331

Delta R.T. -0.02 min

Lab File: BF095433.D

Acq: 25 May 2017 20:23

Tgt Ion: 136 Resp: 413621

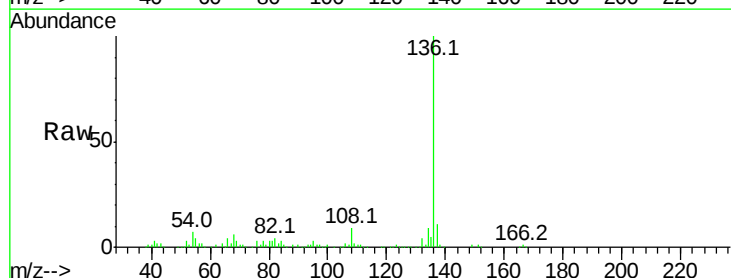
Ion Ratio Lower Upper

136 100

137 11.1 8.5 12.7

54 7.1 4.9 7.3

68 6.0 4.1 6.1

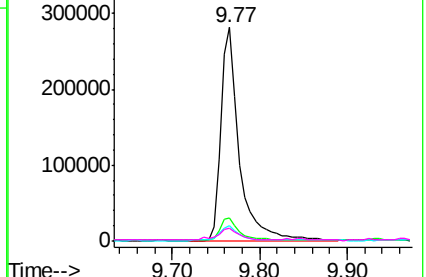
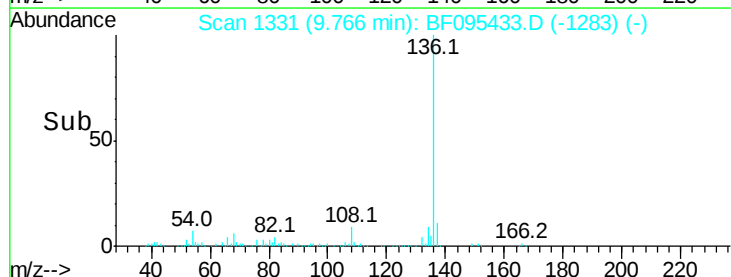


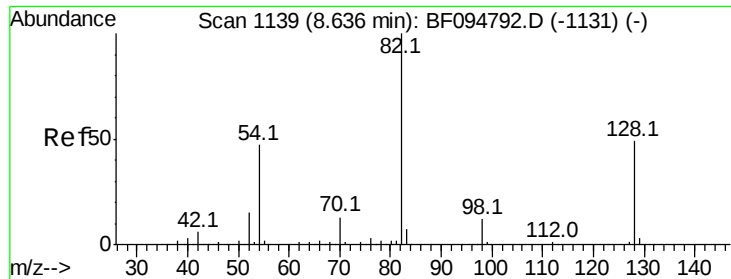
Abundance Ion 136.00 (135.70 to 136.70): E

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

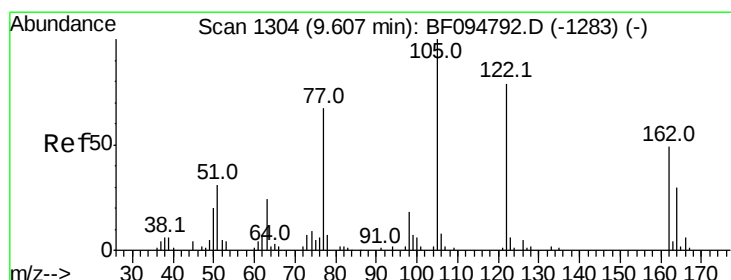
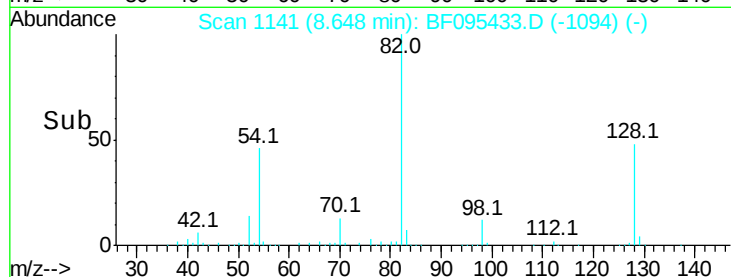
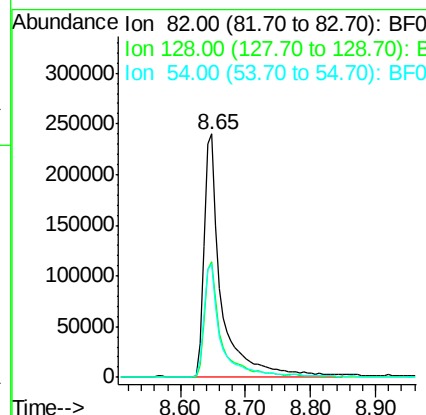
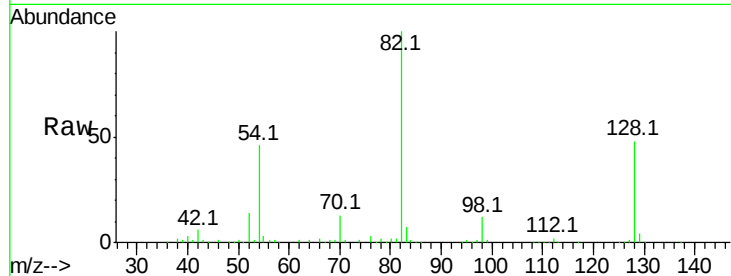




#23
 Nitrobenzene-d5
 Concen: 67.37 ng
 RT: 8.65 min Scan# 1141
 Delta R.T. -0.02 min
 Lab File: BF095433.D
 Acq: 25 May 2017 20:23

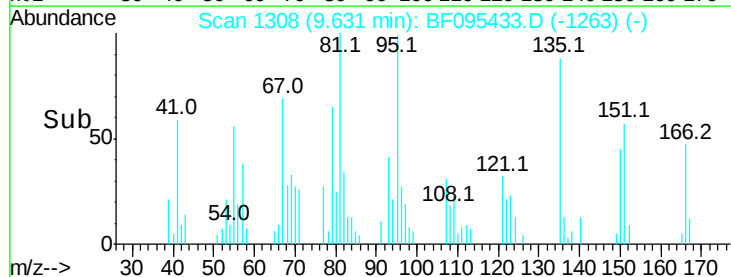
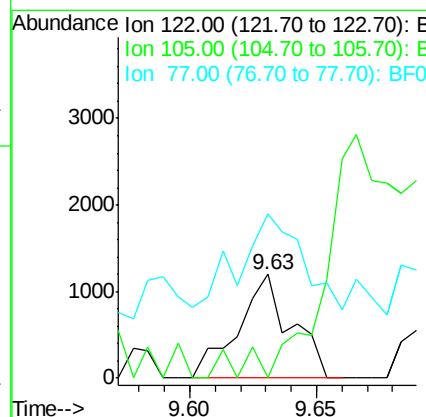
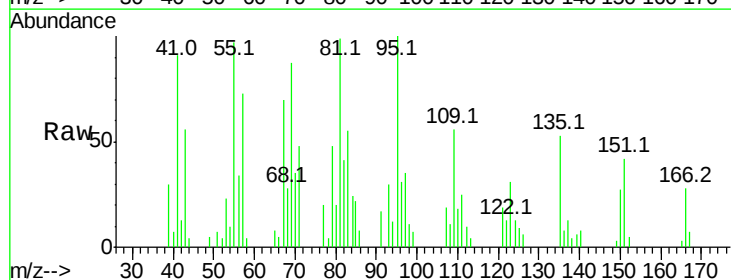
Instrument :
 BNA_F
 ClientSampleId :

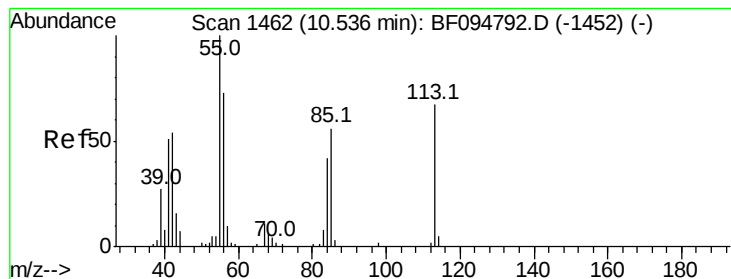
Tot Ion: 82 Resp: 441901
 Ion Ratio Lower Upper
 82 100
 128 47.7 34.0 51.0
 54 46.2 42.2 63.2



#32
 Benzoic acid
 Concen: 5.48 ng
 RT: 9.63 min Scan# 1308
 Delta R.T. -0.04 min
 Lab File: BF095433.D
 Acq: 25 May 2017 20:23

Tgt Ion:122 Resp: 1742
 Ion Ratio Lower Upper
 122 100
 105 0.0 103.3 143.3#
 77 158.6 73.7 113.7#





#35

Caprolactam

Concen: 8.10 ng

RT: 10.55 min Scan# 1465

Delta R.T. -0.04 min

Lab File: BF095433.D

Acq: 25 May 2017 20:23

Instrument :

BNA_F

ClientSampled :

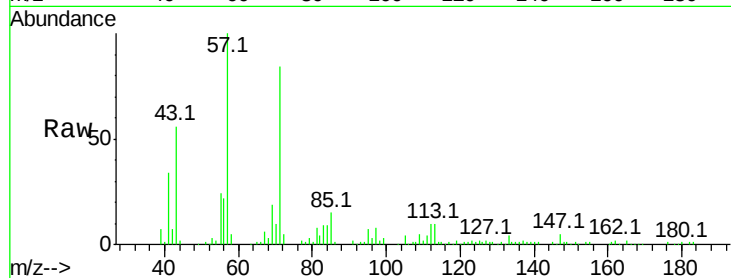
Tot Ion:113 Resp: 13771

Ion Ratio Lower Upper

113 100

55 227.4 150.2 190.2#

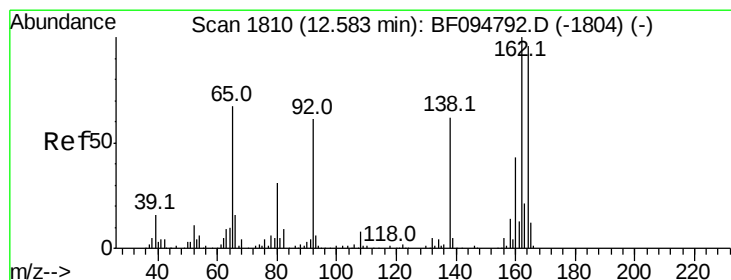
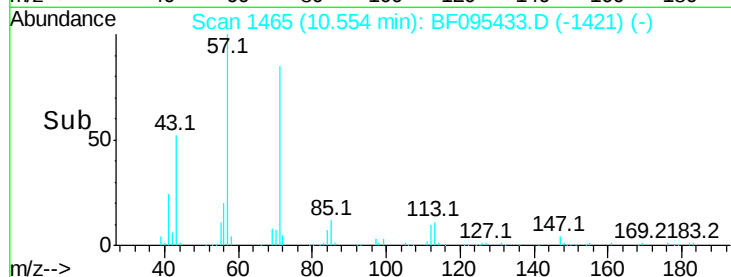
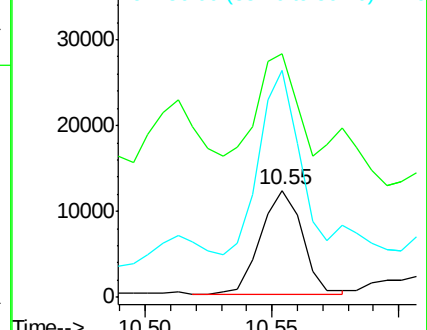
56 211.4 107.8 147.8#



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: 12.60 min Scan# 1813

Delta R.T. -0.02 min

Lab File: BF095433.D

Acq: 25 May 2017 20:23

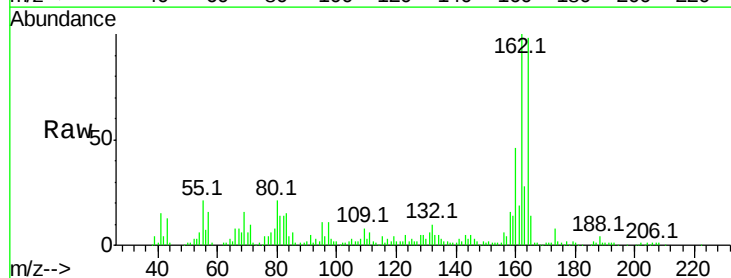
Tgt Ion:164 Resp: 171101

Ion Ratio Lower Upper

164 100

162 101.7 82.6 123.8

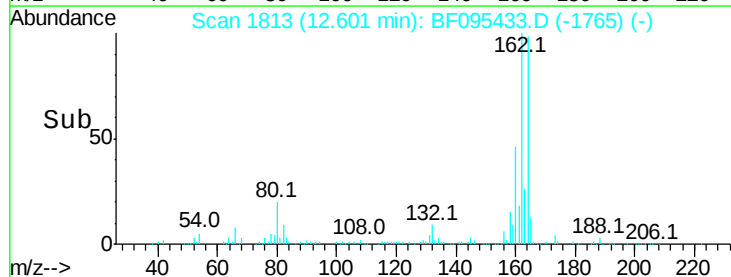
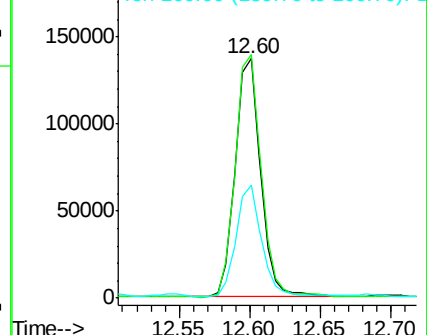
160 47.3 36.2 54.2

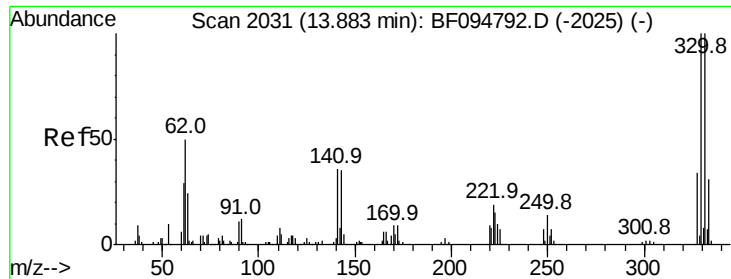


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

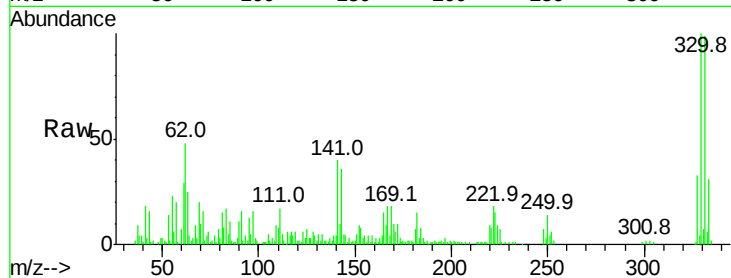




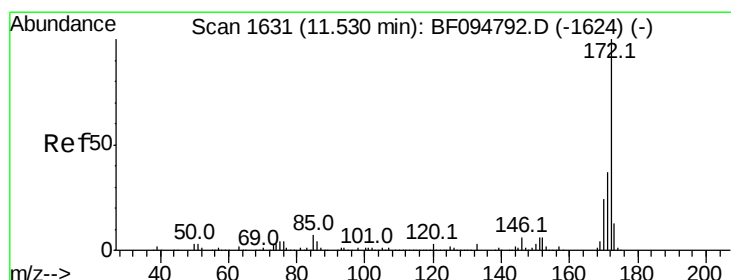
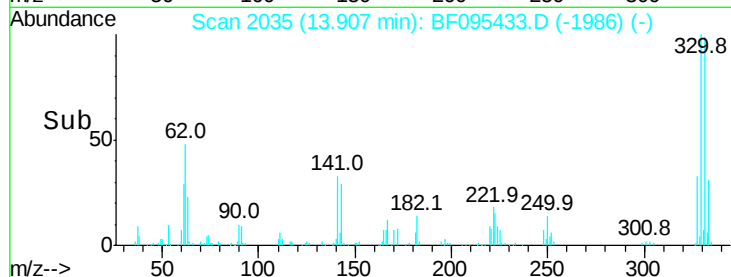
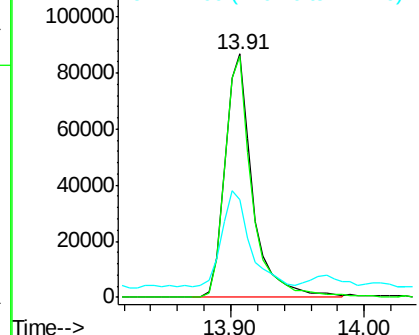
#41
 2,4,6-Tribromophenol
 Concen: 89.61 ng
 RT: 13.91 min Scan# 2035
 Delta R.T. -0.01 min
 Lab File: BF095433.D
 Acq: 25 May 2017 20:23

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	98.5	76.6	115.0
141	40.7	31.4	47.2

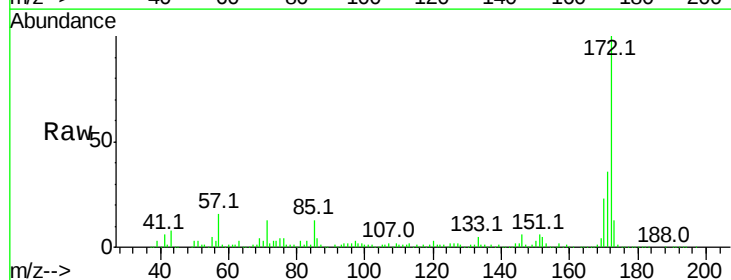


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

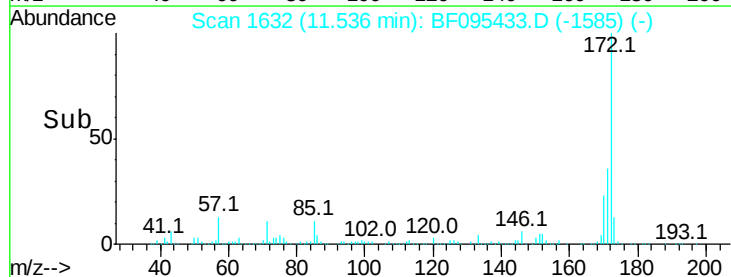
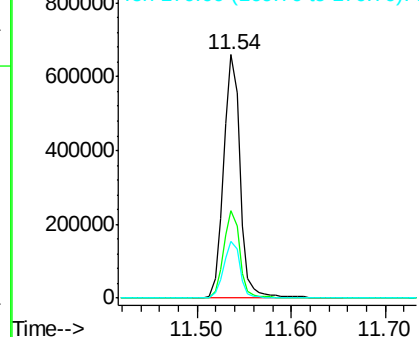


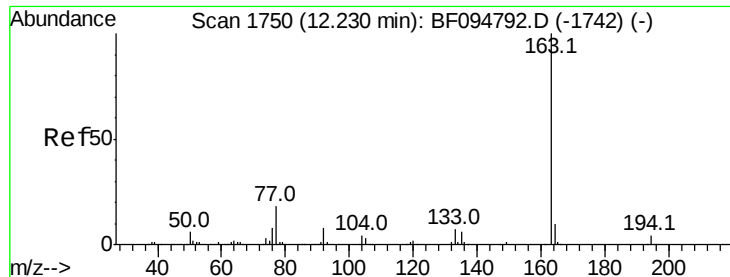
#44
 2-Fluorobiphenyl
 Concen: 68.75 ng
 RT: 11.54 min Scan# 1632
 Delta R.T. -0.02 min
 Lab File: BF095433.D
 Acq: 25 May 2017 20:23

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.9	29.6	44.4
170	23.5	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: 14.31 ng

RT: 12.23 min Scan# 1750

Delta R.T. -0.03 min

Lab File: BF095433.D

Acq: 25 May 2017 20:23

Instrument :

BNA_F

ClientSampleId :

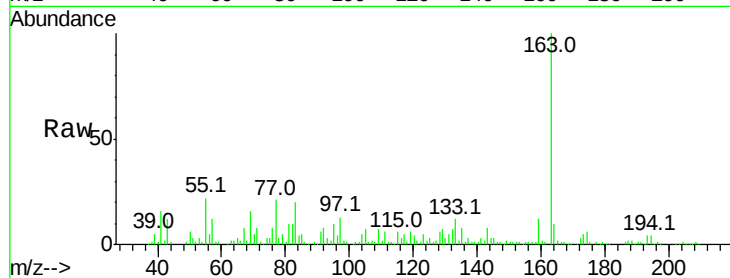
Tot Ion:163 Resp: 201050

Ion Ratio Lower Upper

163 100

194 4.2 2.6 4.0#

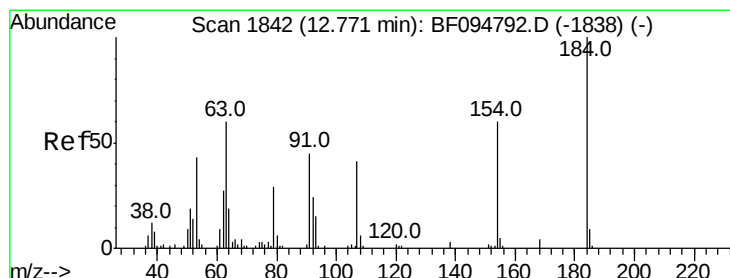
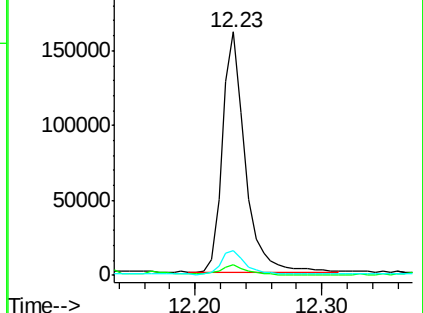
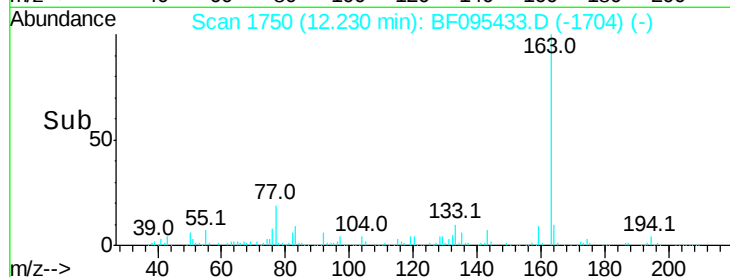
164 10.1 8.4 12.6



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: 6.32 ng

RT: 12.95 min Scan# 1872

Delta R.T. 0.10 min

Lab File: BF095433.D

Acq: 25 May 2017 20:23

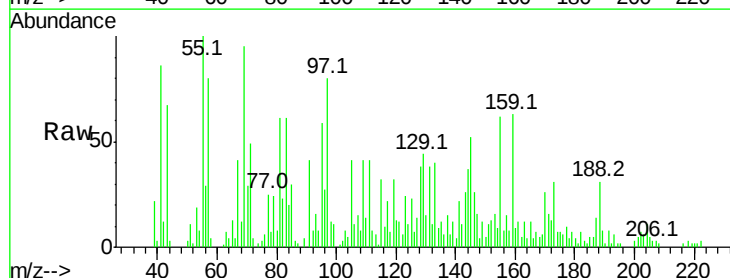
Tgt Ion:184 Resp: 134

Ion Ratio Lower Upper

184 100

63 385.6 62.7 94.1#

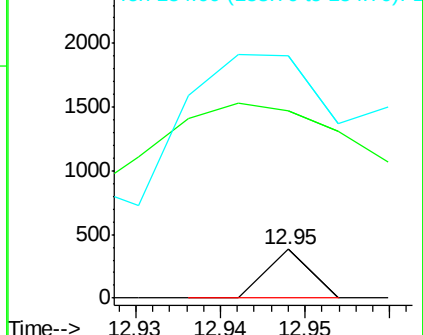
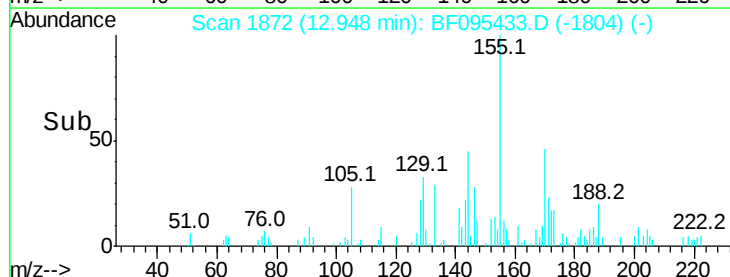
154 499.5 81.1 121.7#

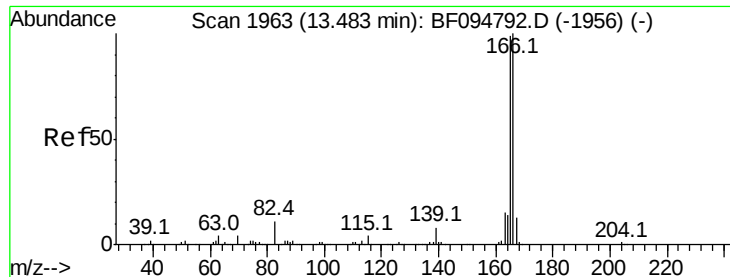


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 154.00 (153.70 to 154.70): E

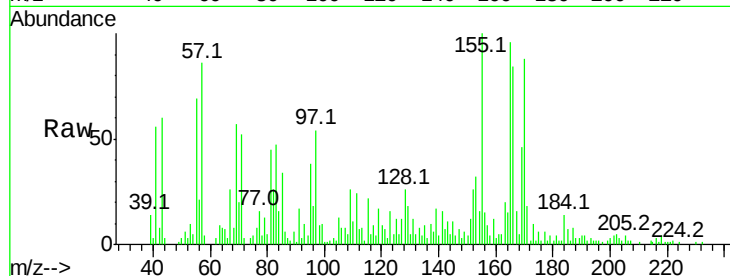




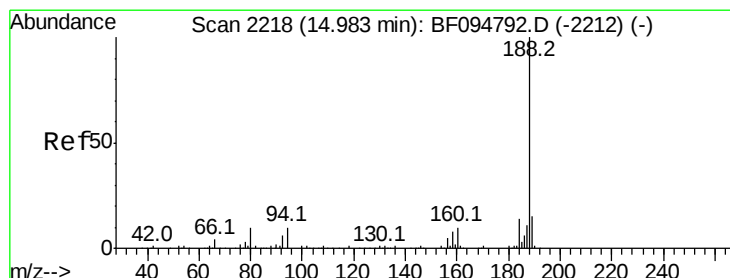
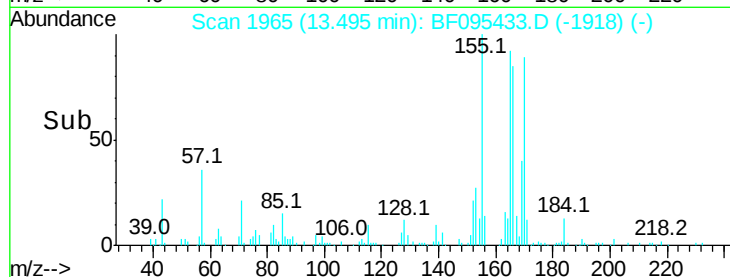
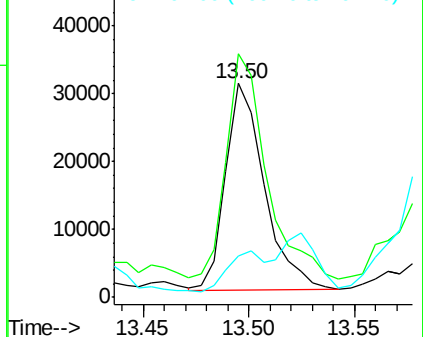
#57
 Fluorene
 Concen: 2.99 ng
 RT: 13.50 min Scan# 1965
 Delta R.T. -0.02 min
 Lab File: BF095433.D
 Acq: 25 May 2017 20:23

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:166 Resp: 39112
 Ion Ratio Lower Upper
 166 100
 165 113.7 78.8 118.2
 167 19.0 10.6 16.0#

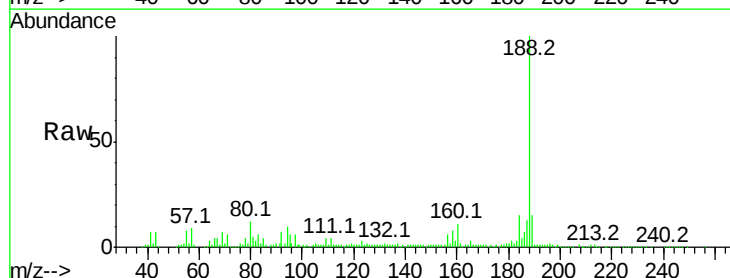


Abundance Ion 166.00 (165.70 to 166.70): E
 Ion 165.00 (164.70 to 165.70): E
 Ion 167.00 (166.70 to 167.70): E

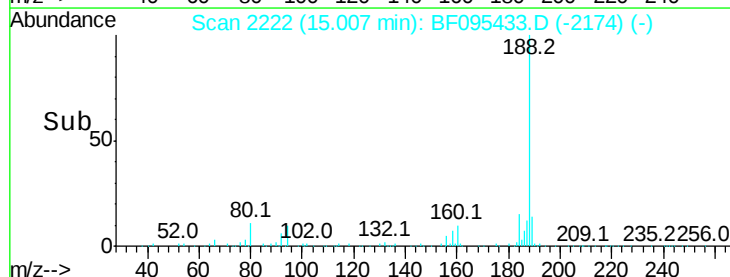
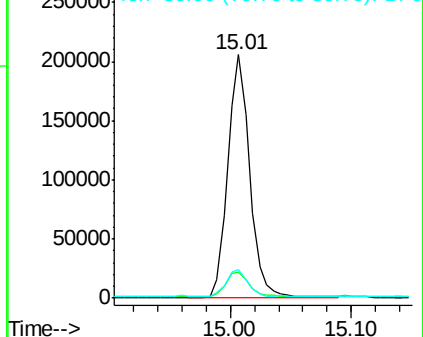


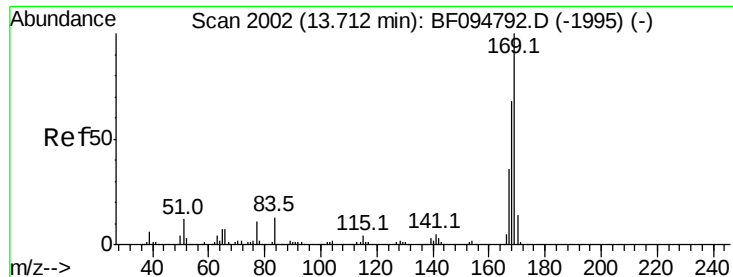
#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 15.01 min Scan# 2222
 Delta R.T. -0.02 min
 Lab File: BF095433.D
 Acq: 25 May 2017 20:23

Tgt Ion:188 Resp: 259746
 Ion Ratio Lower Upper
 188 100
 94 10.4 9.4 14.2
 80 11.5 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: 6.63 ng

RT: 13.71 min Scan# 2002

Delta R.T. -0.04 min

Lab File: BF095433.D

Acq: 25 May 2017 20:23

Instrument :

BNA_F

ClientSampleId :

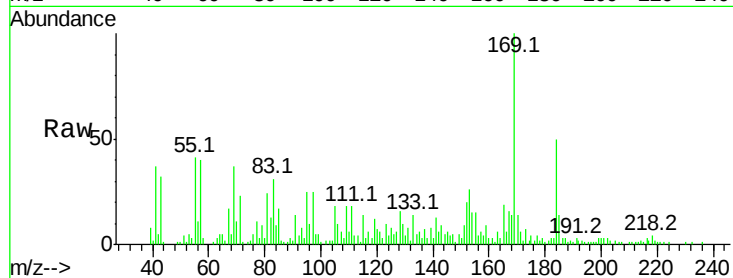
Tot Ion:169 Resp: 62460

Ion Ratio Lower Upper

169 100

168 14.3 53.2 79.8#

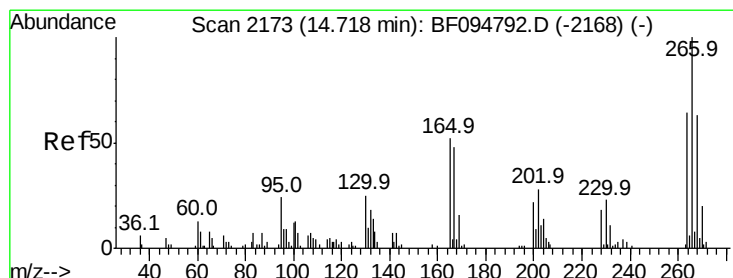
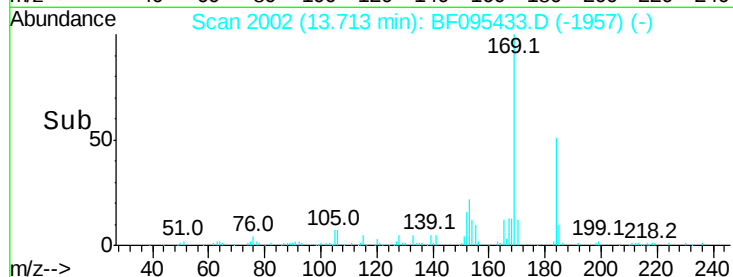
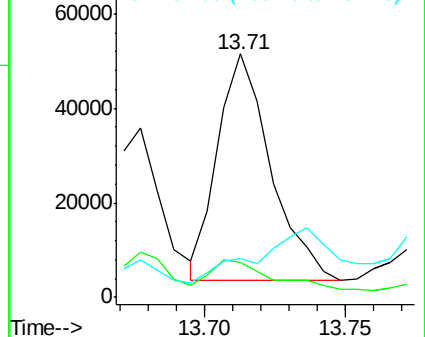
167 15.7 29.5 44.3#



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: 6.27 ng

RT: 14.50 min Scan# 2136

Delta R.T. -0.27 min

Lab File: BF095433.D

Acq: 25 May 2017 20:23

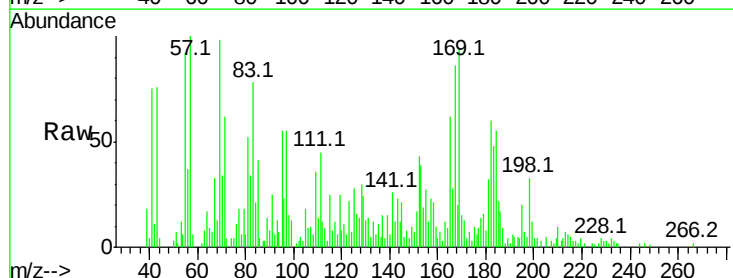
Tgt Ion:266 Resp: 559

Ion Ratio Lower Upper

266 100

268 0.0 51.1 76.7#

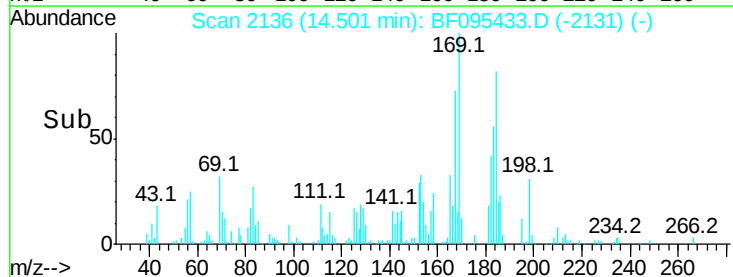
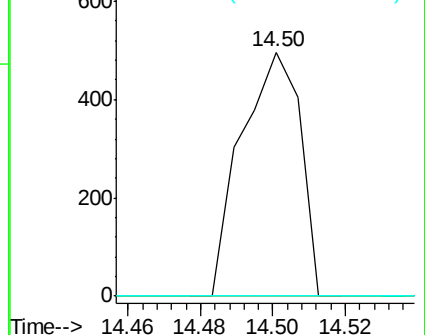
264 0.0 51.7 77.5#

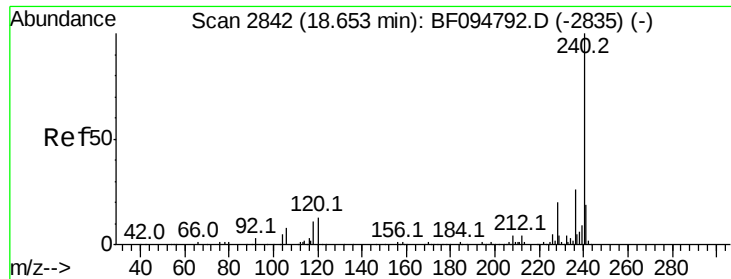


Abundance Ion 265.70 (265.40 to 266.40): E

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: 18.68 min Scan# 2846

Delta R.T. -0.02 min

Lab File: BF095433.D

Acq: 25 May 2017 20:23

Instrument :

BNA_F

ClientSampleId :

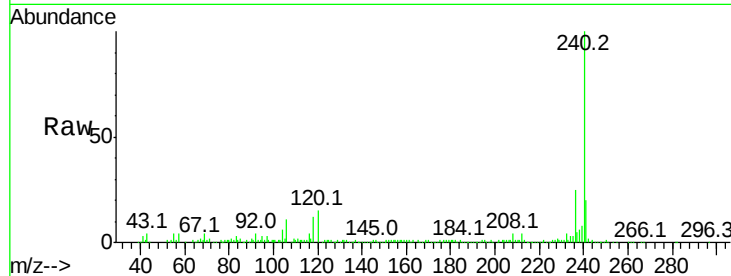
Tot Ion:240 Resp: 200073

Ion Ratio Lower Upper

240 100

120 15.2 5.8 8.8#

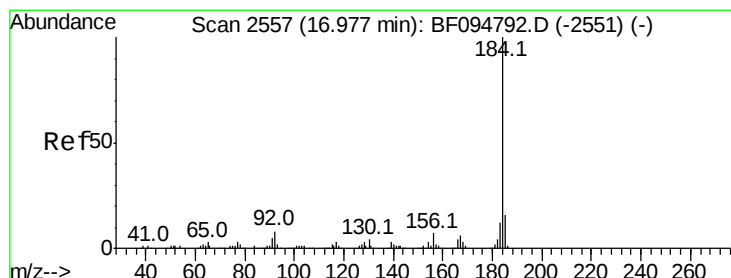
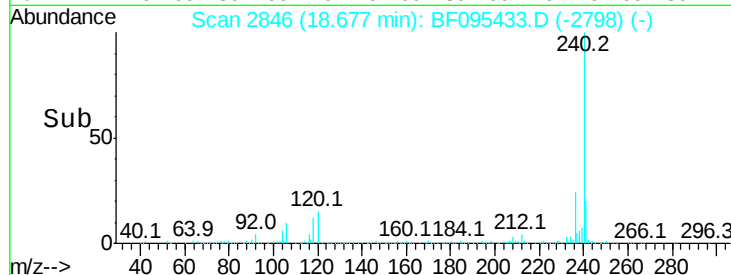
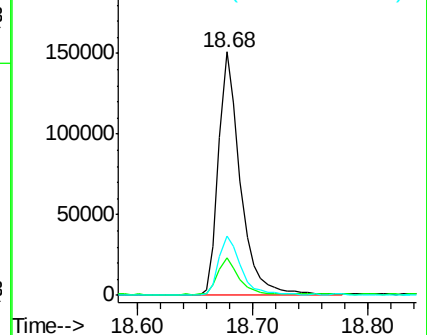
236 24.5 20.5 30.7



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: 6.89 ng

RT: 17.01 min Scan# 2563

Delta R.T. -0.01 min

Lab File: BF095433.D

Acq: 25 May 2017 20:23

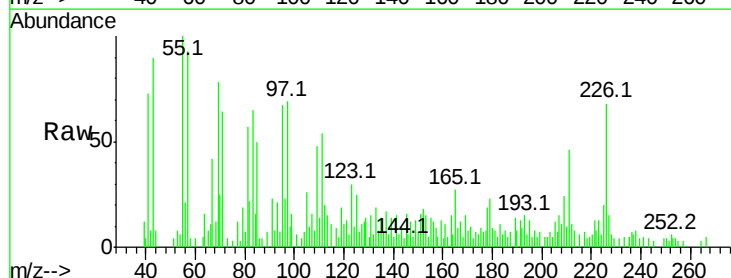
Tgt Ion:184 Resp: 1864

Ion Ratio Lower Upper

184 100

185 124.8 15.5 23.3#

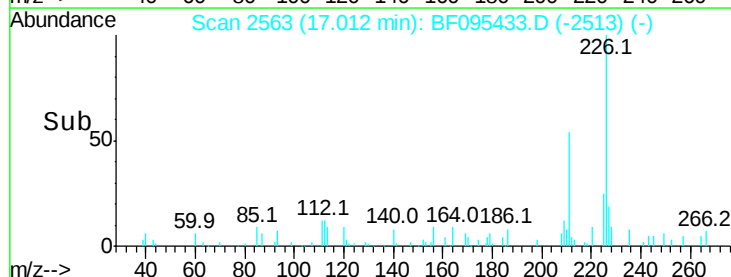
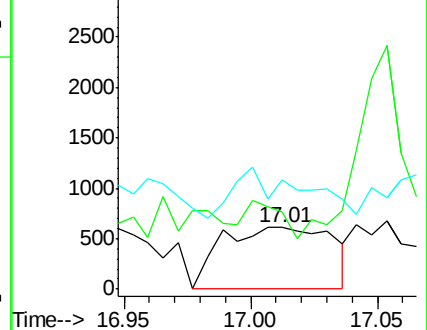
183 176.0 9.8 14.6#

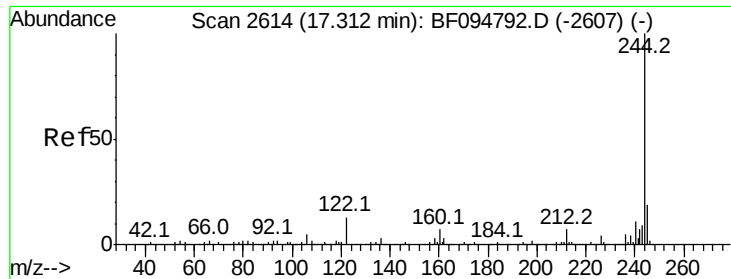


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E

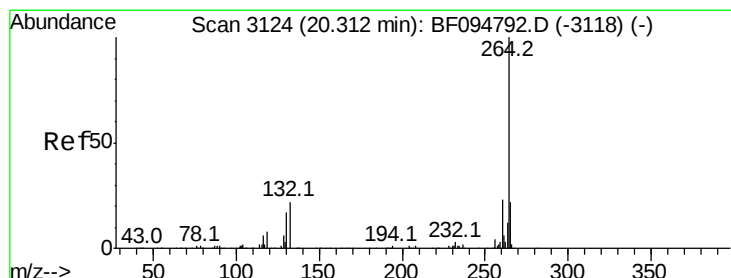
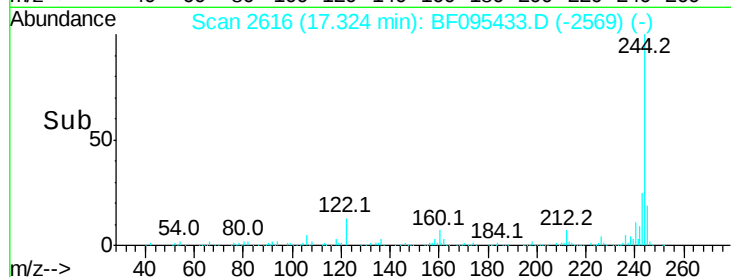
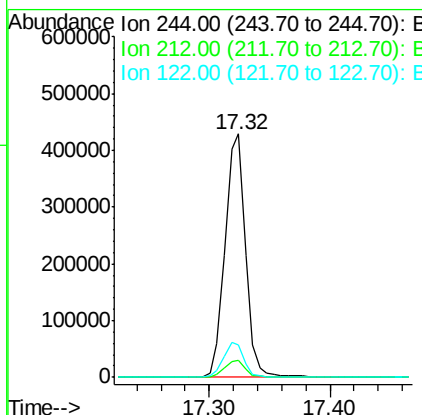
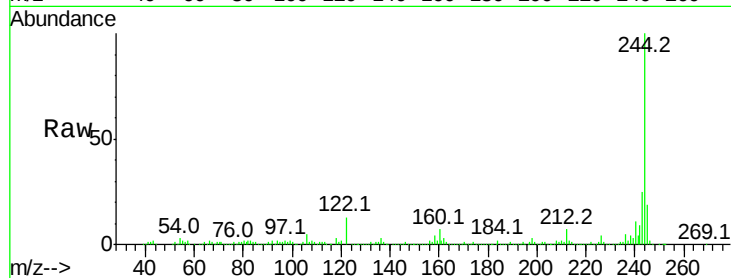




#78
 Terphenyl-d14
 Concen: 55.60 ng
 RT: 17.32 min Scan# 2616
 Delta R.T. -0.02 min
 Lab File: BF095433.D
 Acq: 25 May 2017 20:23

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:244 Resp: 505048
 Ion Ratio Lower Upper
 244 100
 212 7.1 6.0 9.0
 122 13.5 10.3 15.5



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 20.35 min Scan# 3131
 Delta R.T. -0.01 min
 Lab File: BF095433.D
 Acq: 25 May 2017 20:23

Tgt Ion:264 Resp: 156125
 Ion Ratio Lower Upper
 264 100
 260 23.6 19.5 29.3
 265 20.3 17.2 25.8

