

Data Path : Z:\HPCHEM1\BNA F\DATA\BF051217\
 Data File : BF095120.D
 Acq On : 12 May 2017 19:35
 Operator : SJ/MA
 Sample : I3058-04 25X
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: May 13 00:55:03 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

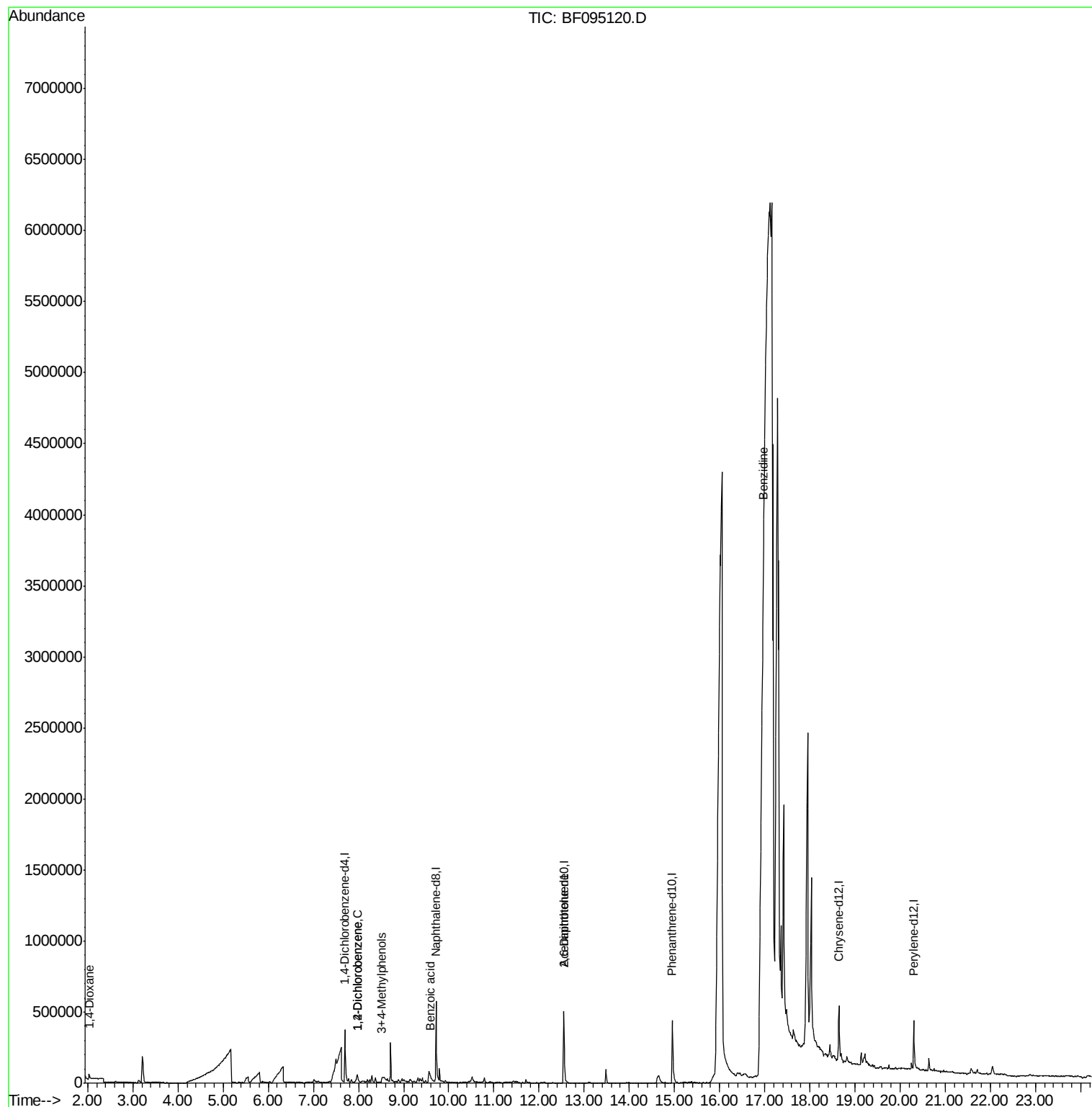
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.70	152	95005	20.00	ng	-0.03
21) Naphthalene-d8	9.72	136	377676	20.00	ng	-0.04
38) Acenaphthene-d10	12.55	164	164836	20.00	ng	-0.04
63) Phenanthrene-d10	14.95	188	296210	20.00	ng	-0.03
75) Chrysene-d12	18.64	240	210674	20.00	ng	-0.01
86) Perylene-d12	20.30	264	188864	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.77	112	515	0.09	ng	0.09
7) Phenol-d6	7.46	99	1187	0.17	ng	0.18
23) Nitrobenzene-d5	8.68	82	1524	0.25	ng	0.05
41) 2,4,6-Tribromophenol	0.00	330	0	0.00	ng	
44) 2-Fluorobiphenyl	11.52	172	4383	0.38	ng	-0.01
78) Terphenyl-d14	17.30	244	2600	0.27	ng	-0.01
Target Compounds						
2) 1,4-Dioxane	2.03	88	23386	8.37	ng	99
13) 1,4-Dichlorobenzene	7.97	146	24053	3.22	ng	95
14) 1,2-Dichlorobenzene	7.97	146	26715	3.84	ng	97
20) 3+4-Methylphenols	8.52	107	24779	3.44	ng	# 53
32) Benzoic acid	9.59	122	14981	8.81	ng	# 16
50) 2,6-Dinitrotoluene	12.55	165	15779	5.72	ng	# 31
76) Benzidine	16.97	184	240	6.63	ng	# 1

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

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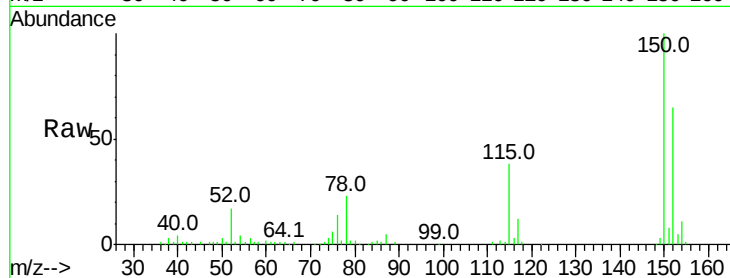


#1

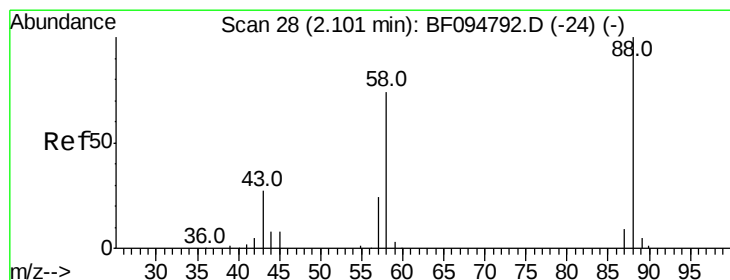
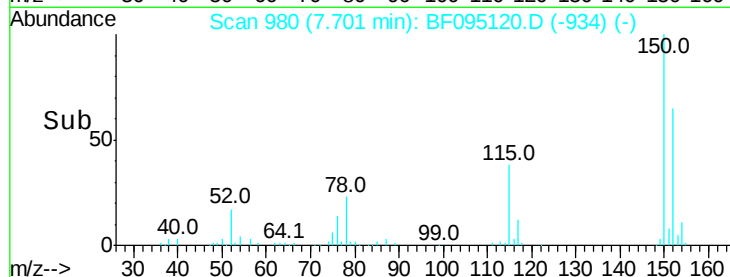
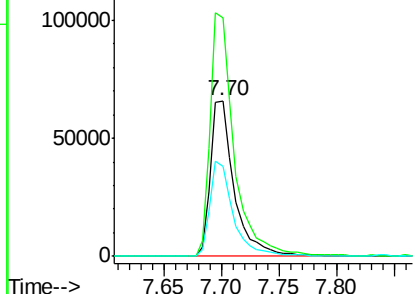
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.70 min Scan# 980
Delta R.T. -0.03 min
Lab File: BF095120.D
Acq: 12 May 2017 19:35

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 95005
Ion Ratio Lower Upper
152 100
150 153.1 126.2 189.2
115 57.9 52.2 78.2



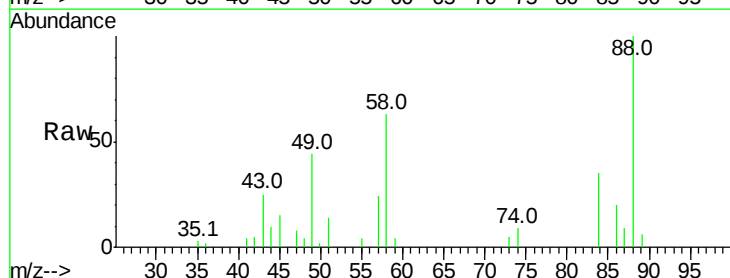
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



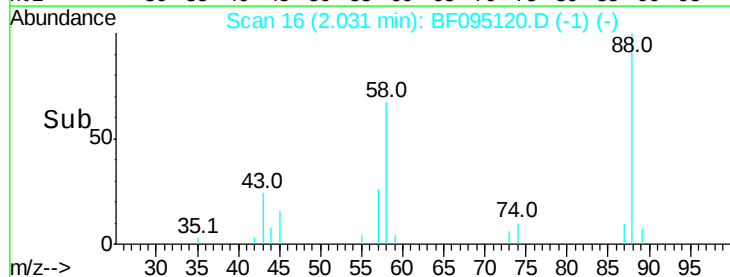
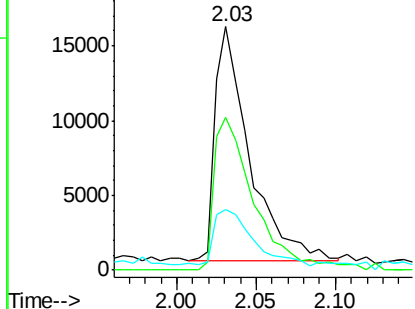
#2

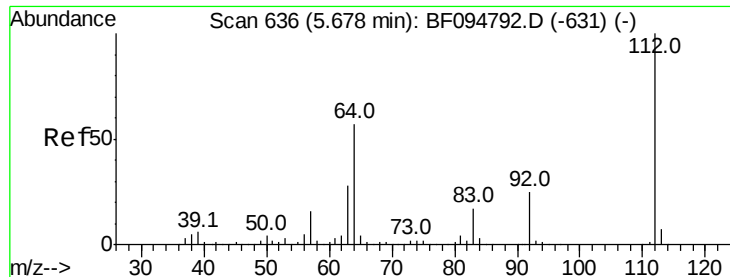
1,4-Dioxane
Concen: 8.37 ng
RT: 2.03 min Scan# 16
Delta R.T. -0.07 min
Lab File: BF095120.D
Acq: 12 May 2017 19:35

Tgt Ion: 88 Resp: 23386
Ion Ratio Lower Upper
88 100
58 76.7 61.4 92.0
43 27.3 23.4 35.0



Abundance Ion 88.00 (87.70 to 88.70): BF0
Ion 58.00 (57.70 to 58.70): BF0
Ion 43.00 (42.70 to 43.70): BF0





#5

2-Fluorophenol

Concen: 0.09 ng

RT: 5.77 min Scan# 651

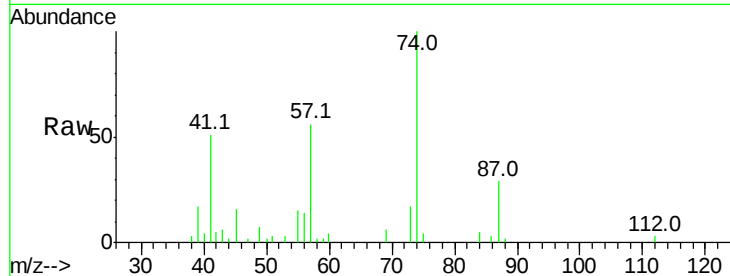
Delta R.T. 0.09 min

Lab File: BF095120.D

Acq: 12 May 2017 19:35

Instrument :
BNA_F
ClientSampleId :

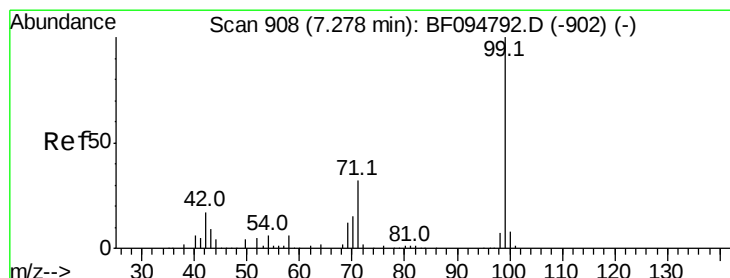
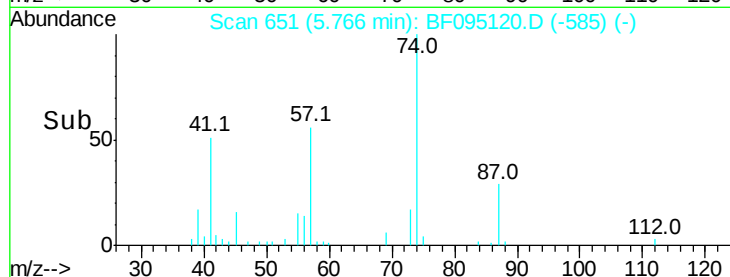
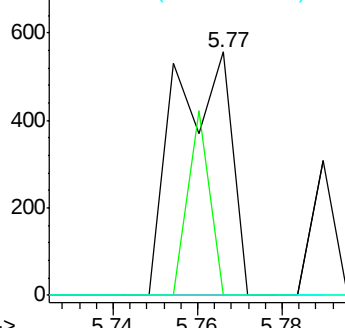
Tot Ion:	112	Resp:	515
Ion	Ratio	Lower	Upper
112	100		
64	0.0	46.0	69.0#
63	0.0	23.4	35.0#



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: 0.17 ng

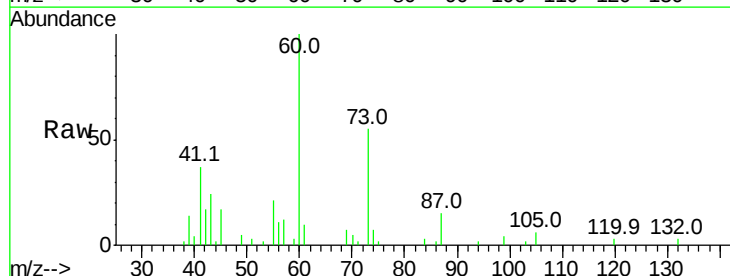
RT: 7.46 min Scan# 939

Delta R.T. 0.18 min

Lab File: BF095120.D

Acq: 12 May 2017 19:35

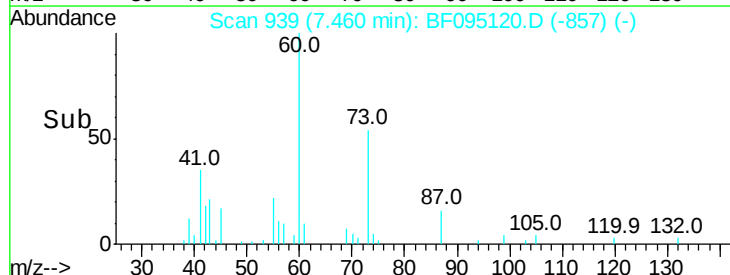
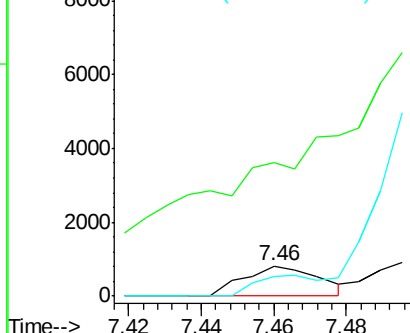
Tgt Ion:	99	Resp:	1187
Ion	Ratio	Lower	Upper
99	100		
42	443.0	13.5	20.3#
71	63.5	24.5	36.7#

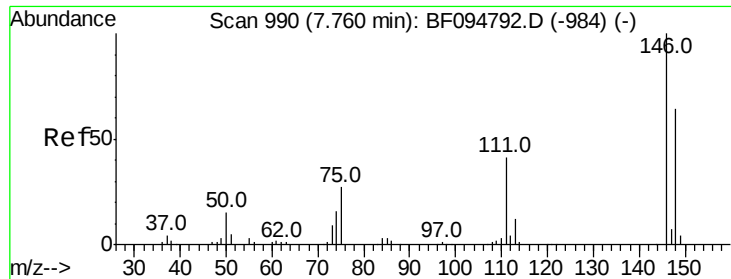


Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0

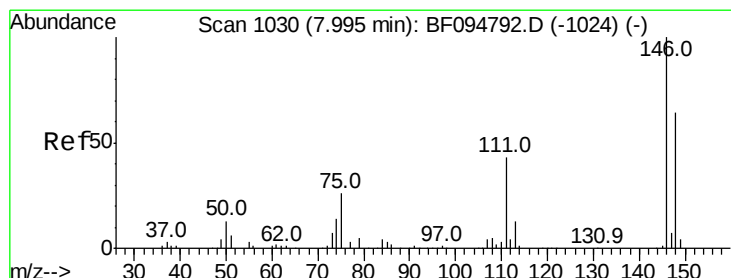
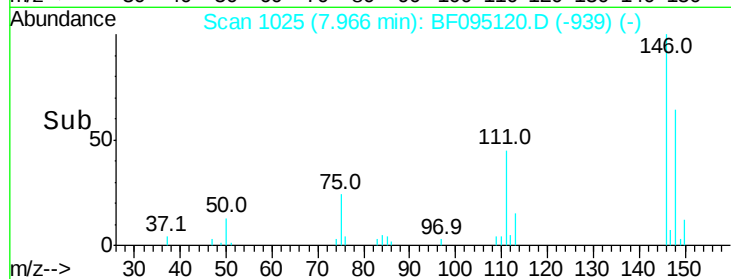
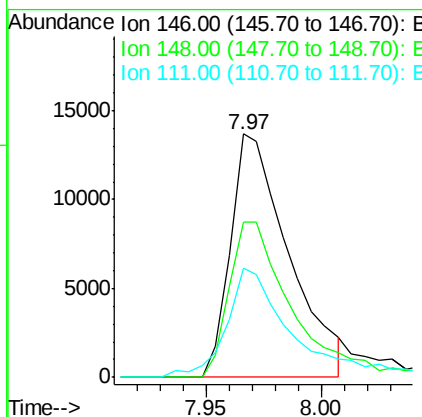
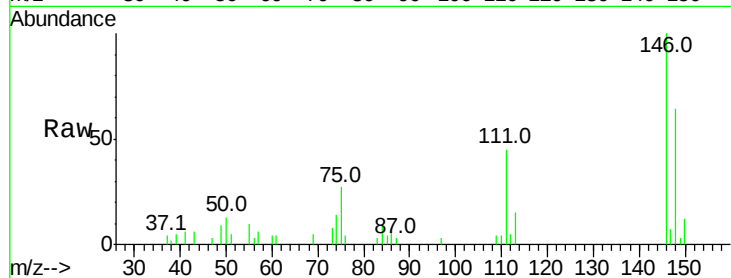




#13
 1,4-Dichlorobenzene
 Concen: 3.22 ng
 RT: 7.97 min Scan# 1025
 Delta R.T. 0.21 min
 Lab File: BF095120.D
 Acq: 12 May 2017 19:35

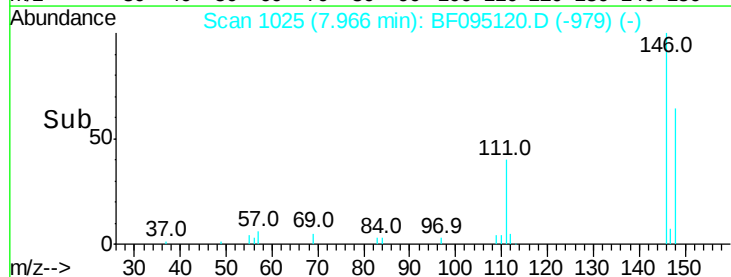
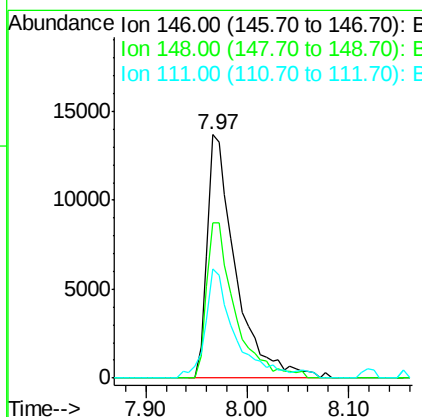
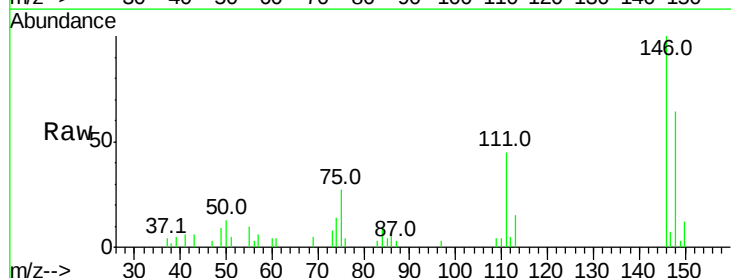
Instrument :
 BNA_F
 ClientSampleId :

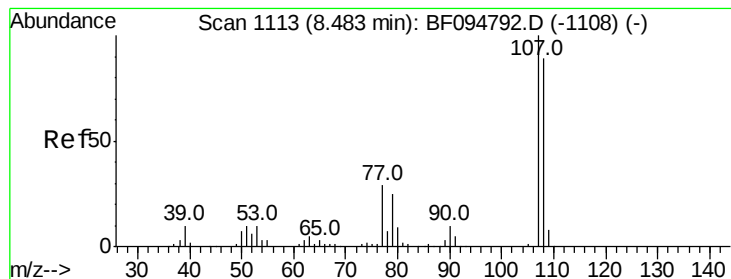
Tot Ion:146 Resp: 24053
 Ion Ratio Lower Upper
 146 100
 148 64.0 52.2 78.2
 111 44.9 30.3 45.5



#14
 1,2-Dichlorobenzene
 Concen: 3.84 ng
 RT: 7.97 min Scan# 1025
 Delta R.T. -0.03 min
 Lab File: BF095120.D
 Acq: 12 May 2017 19:35

Tgt Ion:146 Resp: 26715
 Ion Ratio Lower Upper
 146 100
 148 64.0 50.4 75.6
 111 44.9 38.2 57.4





#20

3+4-Methylphenols

Concen: 3.44 ng

RT: 8.52 min Scan# 1119

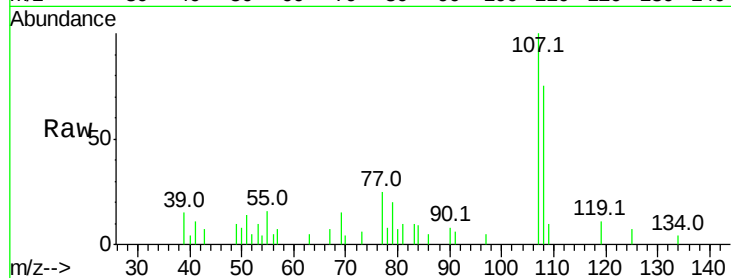
Delta R.T. 0.04 min

Lab File: BF095120.D

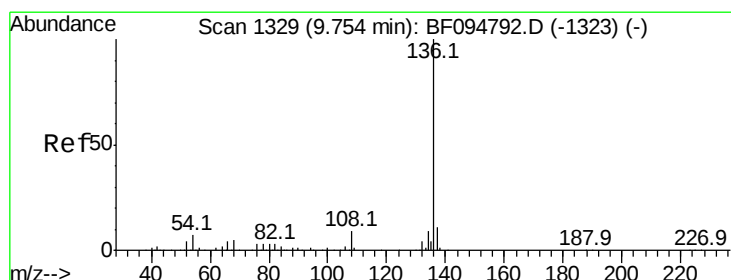
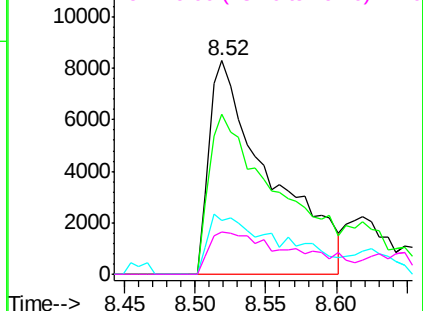
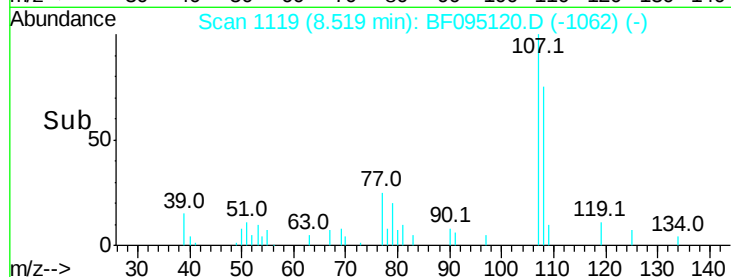
Acq: 12 May 2017 19:35

Instrument :
BNA_F
ClientSampleId :

Tot Ion:	107	Resp:	24779
Ion	Ratio	Lower	Upper
107	100		
108	74.8	71.0	111.0
77	25.1	90.5	130.5#
79	20.1	8.4	48.4



Abundance Ion 107.00 (106.70 to 107.70): E
Ion 108.00 (107.70 to 108.70): E
Ion 77.00 (76.70 to 77.70): BF0
Ion 79.00 (78.70 to 79.70): BF0



#21

Naphthalene-d8

Concen: 20.00 ng

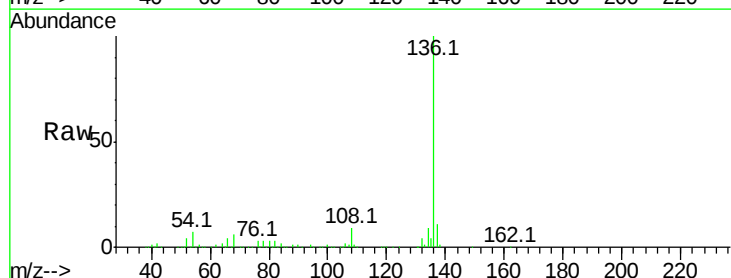
RT: 9.72 min Scan# 1323

Delta R.T. -0.04 min

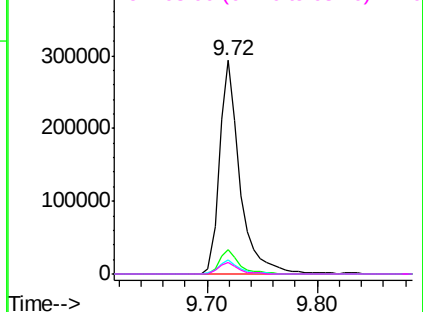
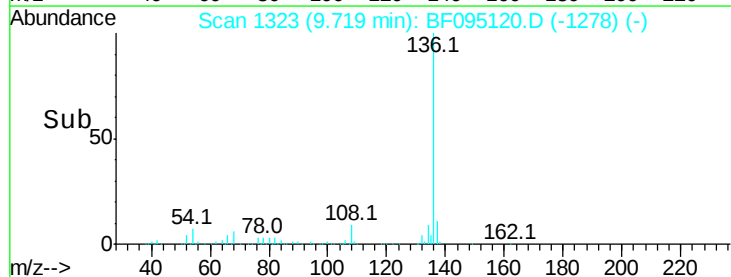
Lab File: BF095120.D

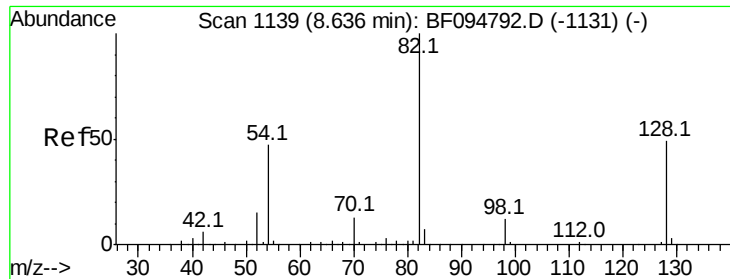
Acq: 12 May 2017 19:35

Tgt Ion:	136	Resp:	377676
Ion	Ratio	Lower	Upper
136	100		
137	11.3	8.5	12.7
54	6.7	4.9	7.3
68	5.5	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

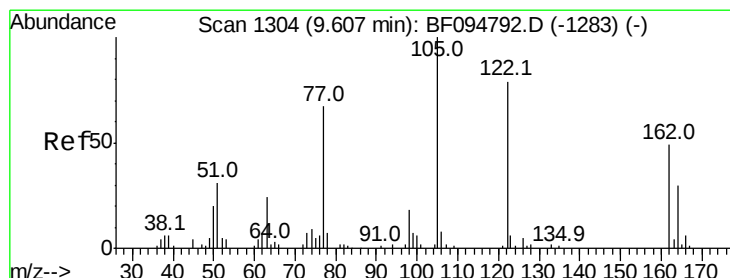
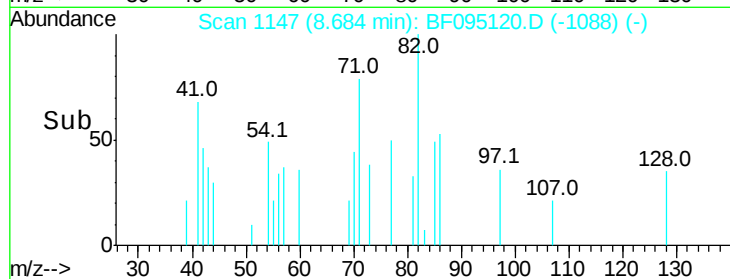
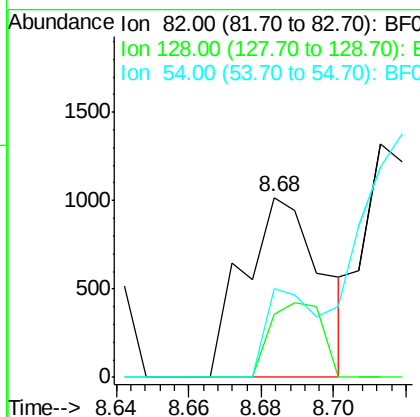
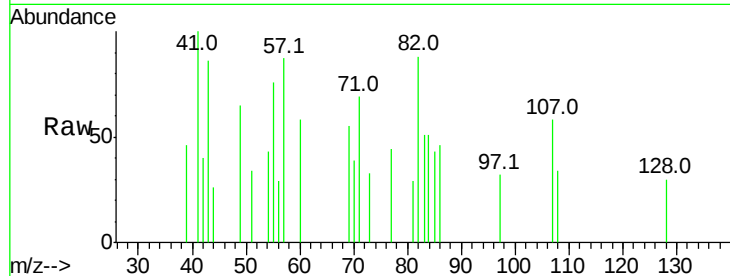




#23
 Nitrobenzene-d5
 Concen: 0.25 ng
 RT: 8.68 min Scan# 1147
 Delta R.T. 0.05 min
 Lab File: BF095120.D
 Acq: 12 May 2017 19:35

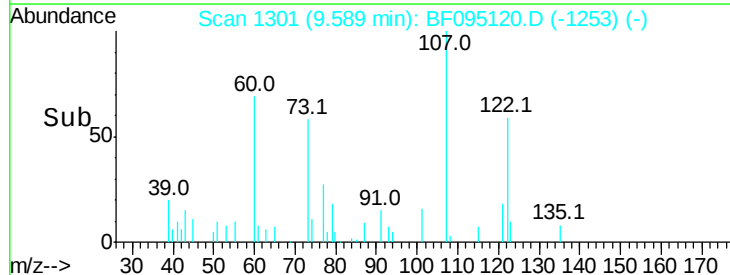
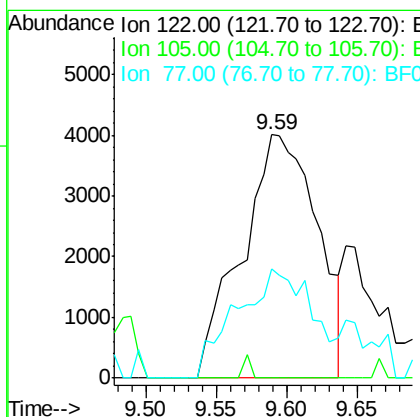
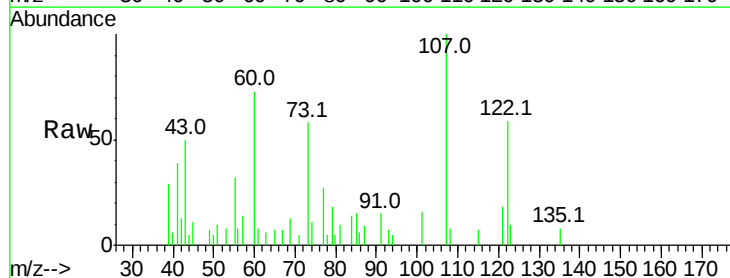
Instrument :
 BNA_F
 ClientSampled :

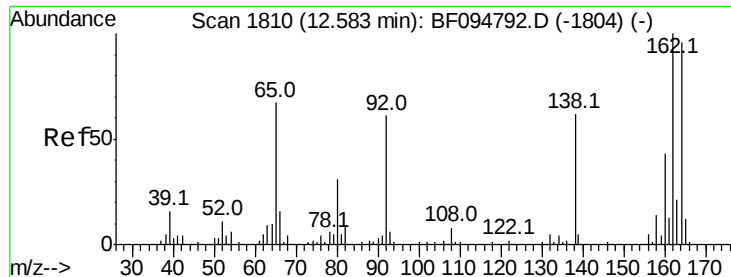
Tot Ion: 82 Resp: 1524
 Ion Ratio Lower Upper
 82 100
 128 34.7 34.0 51.0
 54 49.4 42.2 63.2



#32
 Benzoic acid
 Concen: 8.81 ng
 RT: 9.59 min Scan# 1301
 Delta R.T. -0.02 min
 Lab File: BF095120.D
 Acq: 12 May 2017 19:35

Tgt Ion:122 Resp: 14981
 Ion Ratio Lower Upper
 122 100
 105 0.0 103.3 143.3#
 77 44.9 73.7 113.7#





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 12.55 min Scan# 1804

Delta R.T. -0.04 min

Lab File: BF095120.D

Acq: 12 May 2017 19:35

Instrument :

BNA_F

ClientSampleId :

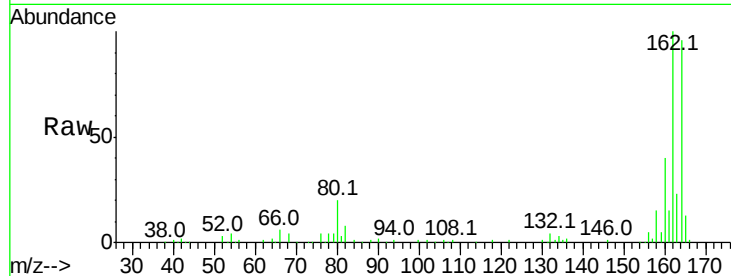
Tot Ion:164 Resp: 164836

Ion Ratio Lower Upper

164 100

162 104.4 82.6 123.8

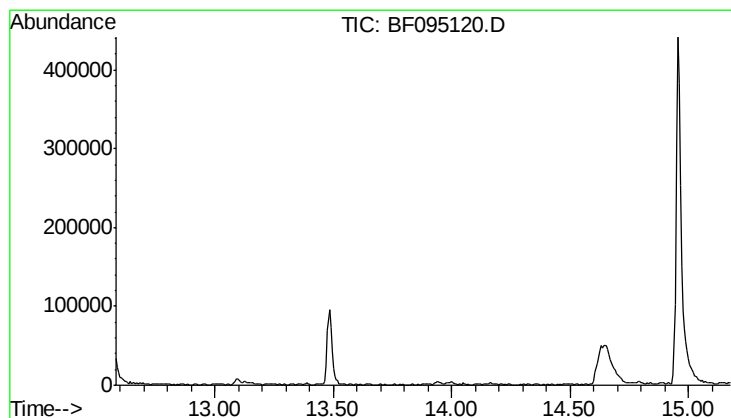
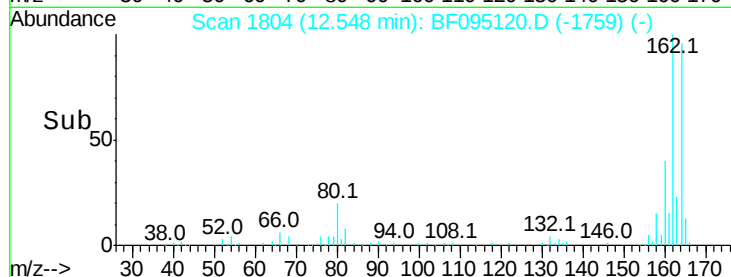
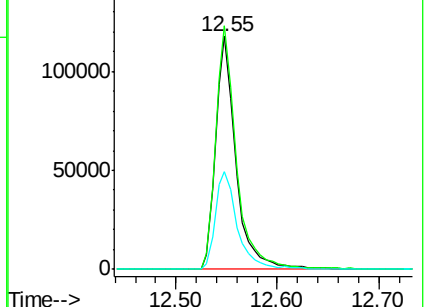
160 42.1 36.2 54.2



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: 0.00 ng

Expected RT: 13.88 min

Lab File: BF095120.D

Acq: 12 May 2017 19:35

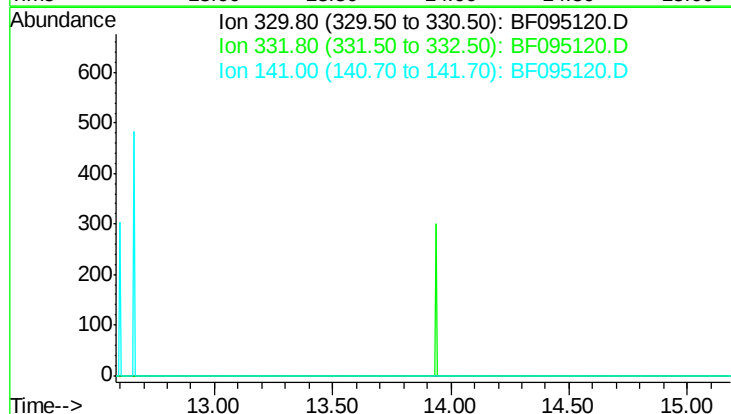
Tgt Ion: 330

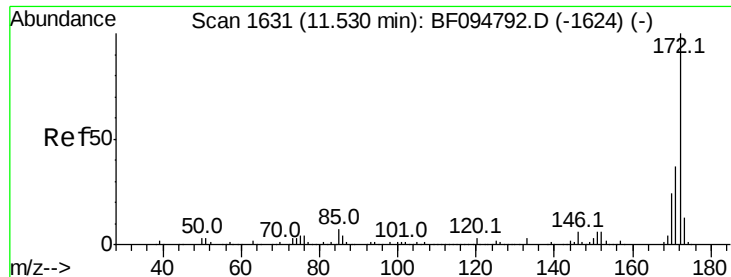
Sig Exp Ratio

330 100

332 95.8

141 39.3

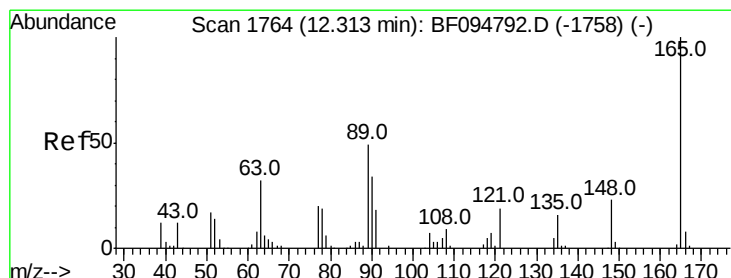
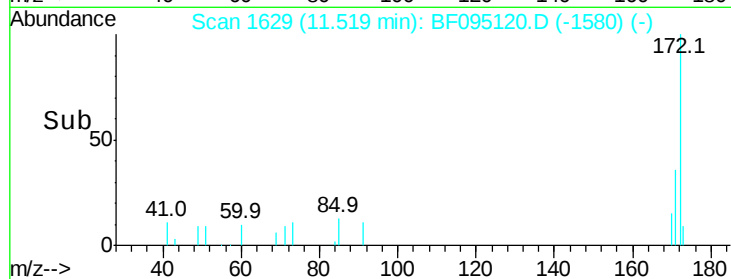
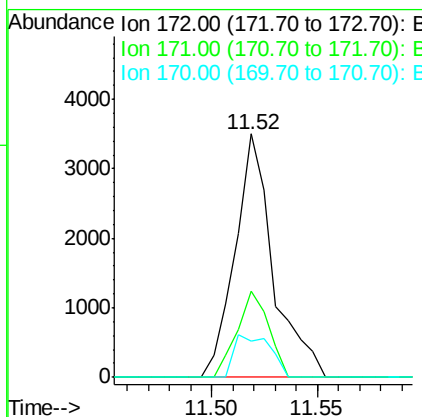
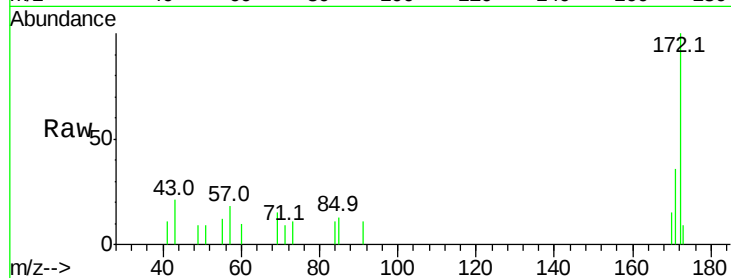




#44
 2-Fluorobiphenyl
 Concen: 0.38 ng
 RT: 11.52 min Scan# 1629
 Delta R.T. -0.01 min
 Lab File: BF095120.D
 Acq: 12 May 2017 19:35

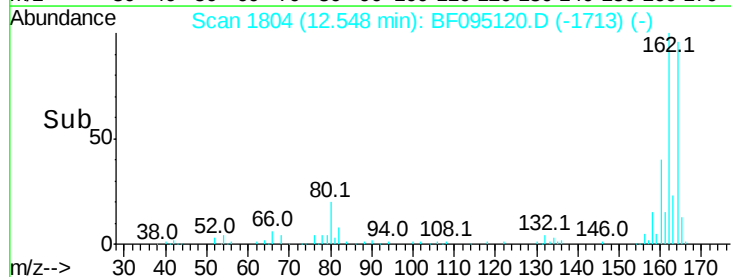
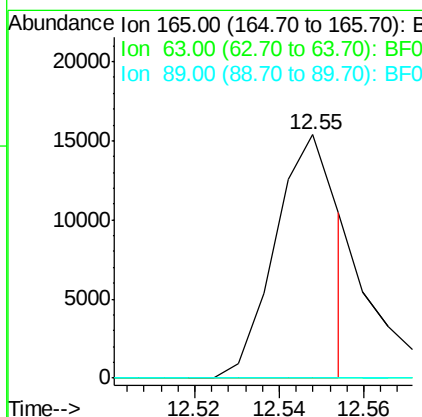
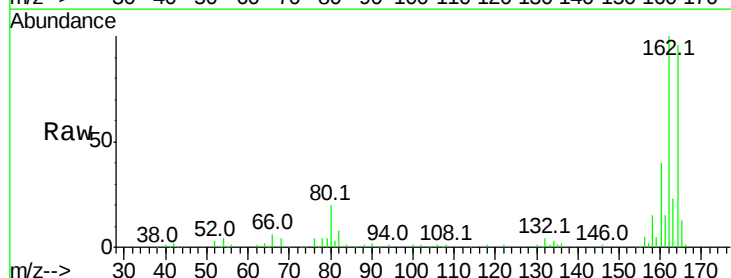
Instrument :
 BNA_F
 ClientSampleId :

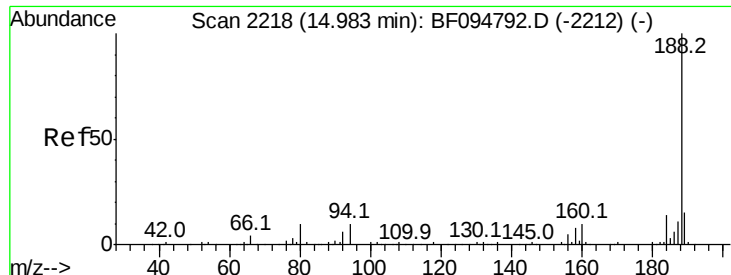
Tot Ion:172 Resp: 4383
 Ion Ratio Lower Upper
 172 100
 171 35.6 29.6 44.4
 170 14.8 19.8 29.8#



#50
 2,6-Dinitrotoluene
 Concen: 5.72 ng
 RT: 12.55 min Scan# 1804
 Delta R.T. 0.24 min
 Lab File: BF095120.D
 Acq: 12 May 2017 19:35

Tgt Ion:165 Resp: 15779
 Ion Ratio Lower Upper
 165 100
 63 0.0 34.3 51.5#
 89 0.0 37.1 55.7#

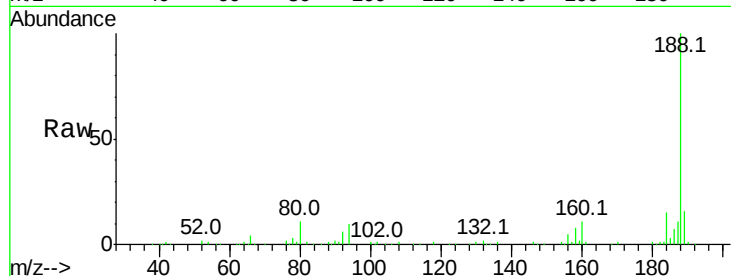




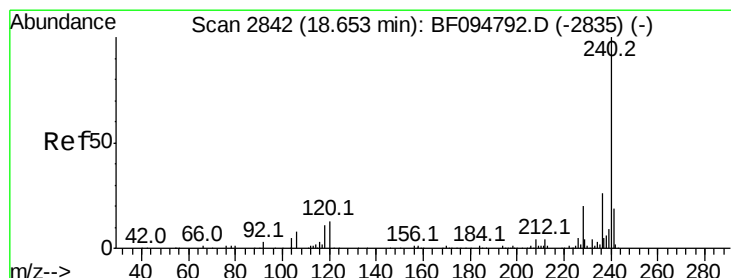
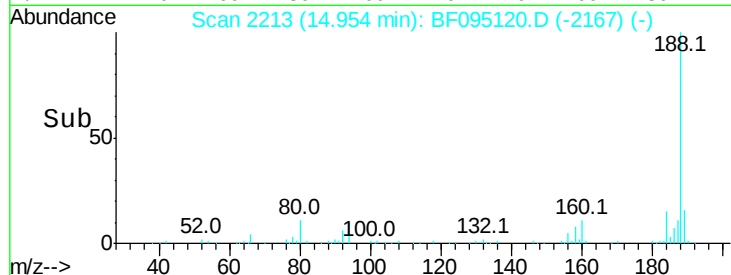
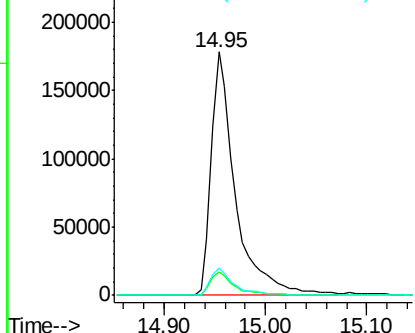
#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 14.95 min Scan# 2213
 Delta R.T. -0.03 min
 Lab File: BF095120.D
 Acq: 12 May 2017 19:35

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
188	100		
94	9.9	9.4	14.2
80	11.1	10.2	15.2

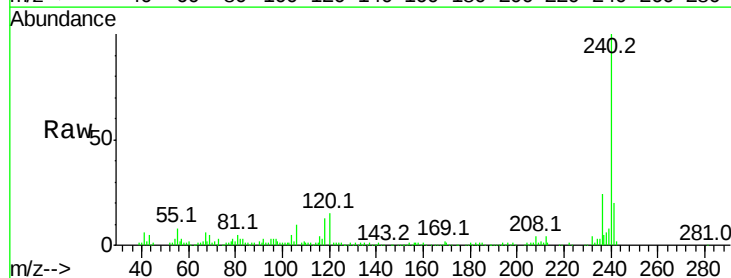


Abundance Ion 188.00 (187.70 to 188.70): E
 Ion 94.00 (93.70 to 94.70): BF0
 Ion 80.00 (79.70 to 80.70): BF0

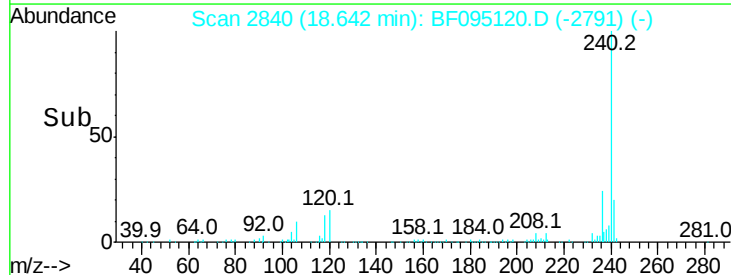
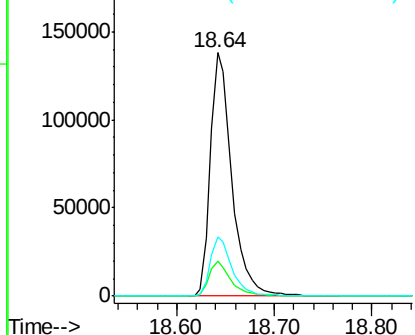


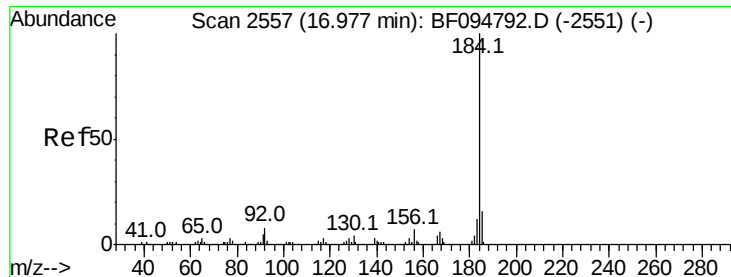
#75
 Chrysene-d12
 Concen: 20.00 ng
 RT: 18.64 min Scan# 2840
 Delta R.T. -0.01 min
 Lab File: BF095120.D
 Acq: 12 May 2017 19:35

Tgt Ion	Ratio	Lower	Upper
240	100		
120	14.6	5.8	8.8#
236	24.3	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: 16.97 min Scan# 2556

Delta R.T. -0.01 min

Lab File: BF095120.D

Acq: 12 May 2017 19:35

Instrument :

BNA_F

ClientSampleId :

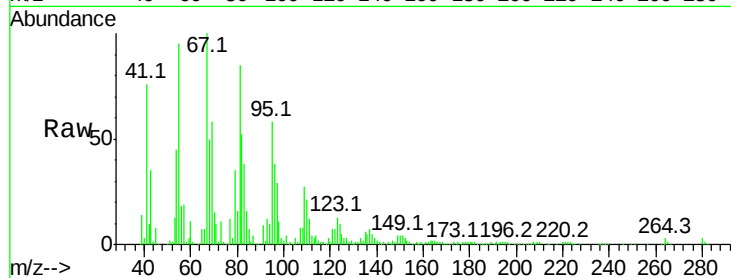
Tot Ion:184 Resp: 240

Ion Ratio Lower Upper

184 100

185 226.3 15.5 23.3#

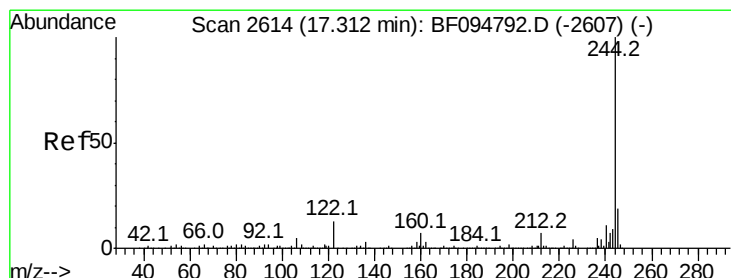
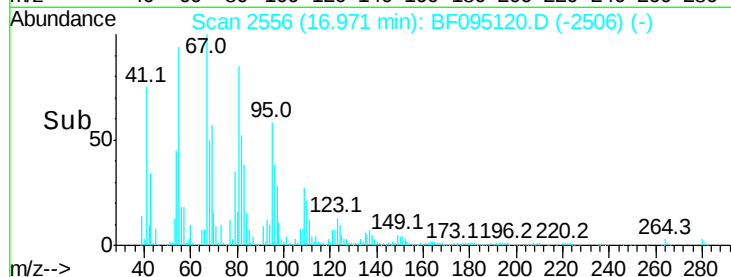
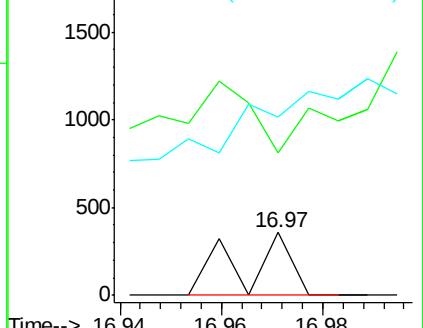
183 283.2 9.8 14.6#



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: 0.27 ng

RT: 17.30 min Scan# 2612

Delta R.T. -0.01 min

Lab File: BF095120.D

Acq: 12 May 2017 19:35

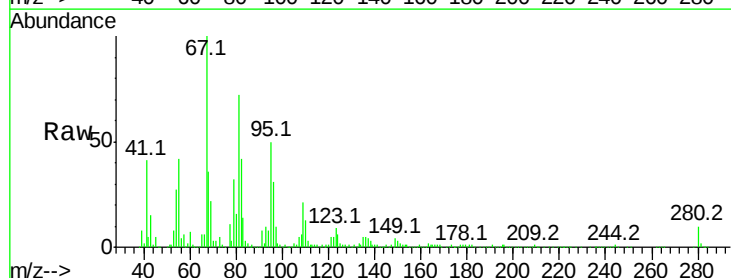
Tgt Ion:244 Resp: 2600

Ion Ratio Lower Upper

244 100

212 0.0 6.0 9.0#

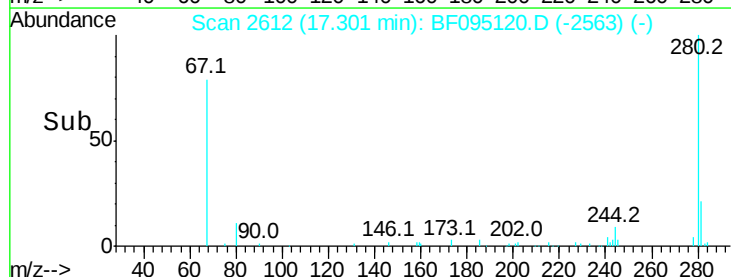
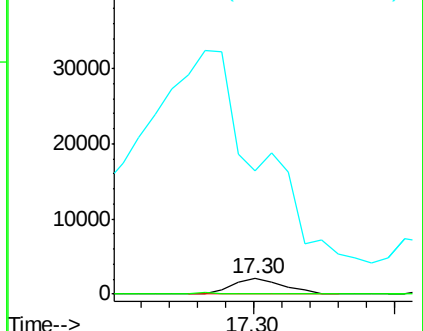
122 786.2 10.3 15.5#

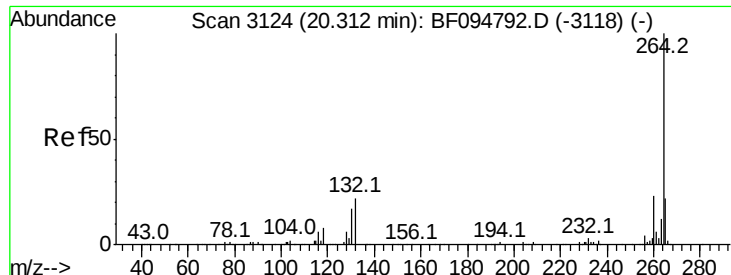


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

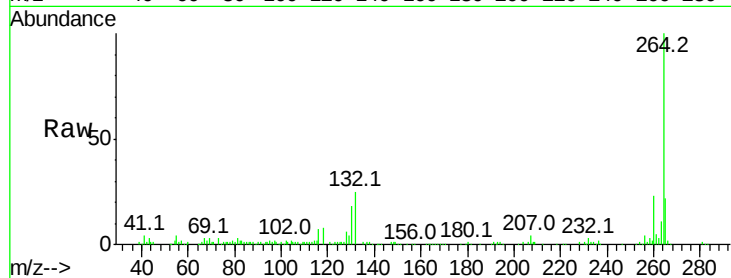




#86
 Pervlene-d12
 Concen: 20.00 ng
 RT: 20.30 min Scan# 3122
 Delta R.T. -0.01 min
 Lab File: BF095120.D
 Acq: 12 May 2017 19:35

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	22.6	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

