

Data Path : Z:\HPCHEM1\BNA F\DATA\BF050917\
 Data File : BF095051.D
 Acq On : 10 May 2017 7:51
 Operator : SJ/MA
 Sample : I3027-15
 Misc :
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: May 10 08:22:17 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

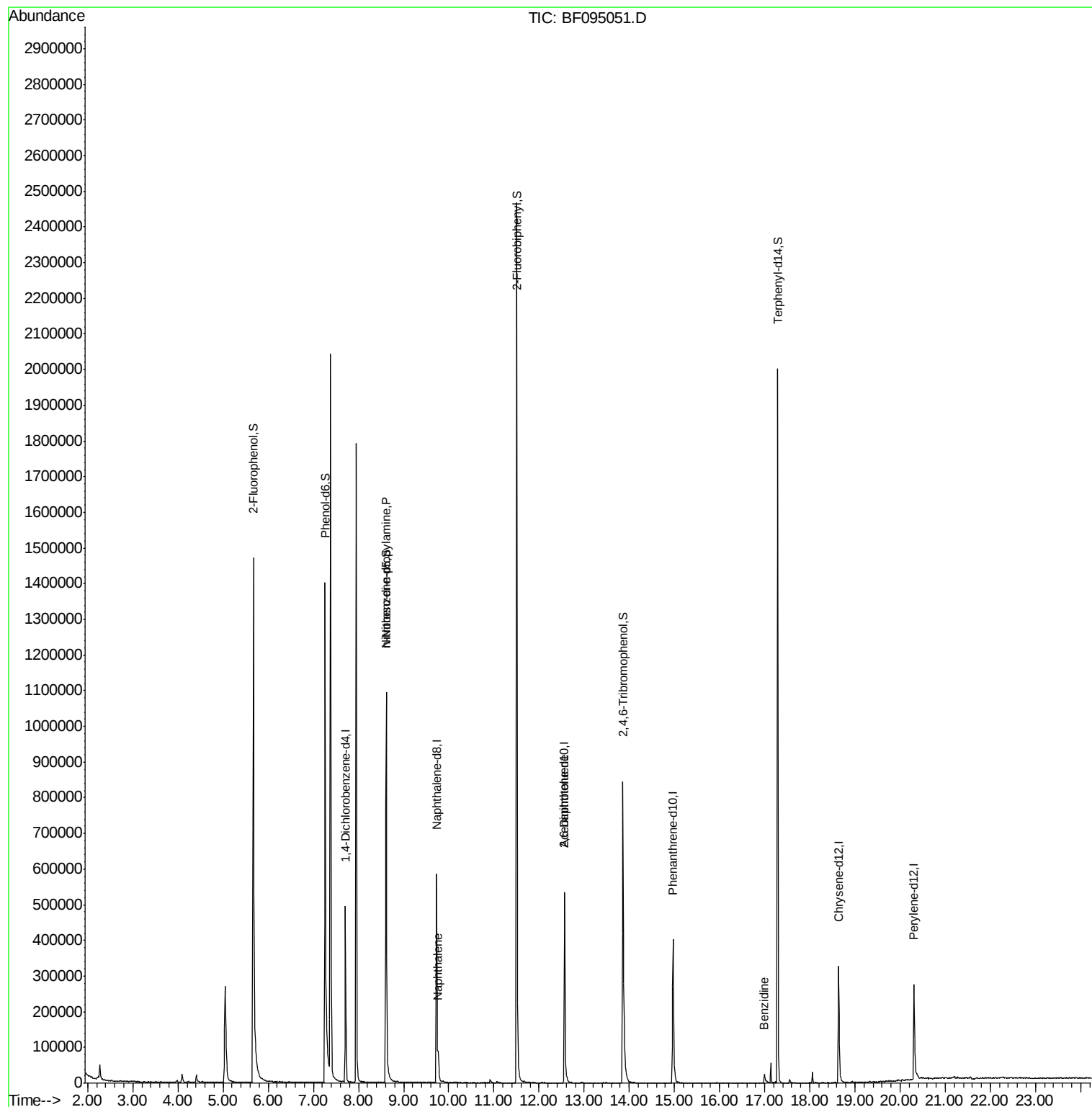
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.71	152	102088	20.00	ng	-0.02
21) Naphthalene-d8	9.73	136	410338	20.00	ng	-0.02
38) Acenaphthene-d10	12.57	164	178174	20.00	ng	-0.02
63) Phenanthrene-d10	14.97	188	285402	20.00	ng	-0.02
75) Chrysene-d12	18.64	240	189511	20.00	ng	-0.02
86) Perylene-d12	20.31	264	172319	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.67	112	793379	129.57	ng	0.00
7) Phenol-d6	7.26	99	895677	121.91	ng	-0.02
23) Nitrobenzene-d5	8.61	82	570121	87.61	ng	-0.02
41) 2,4,6-Tribromophenol	13.86	330	190747	130.72	ng	-0.02
44) 2-Fluorobiphenyl	11.51	172	1203754	97.24	ng	-0.02
78) Terphenyl-d14	17.29	244	792728	92.13	ng	-0.02
Target Compounds						
19) n-Nitroso-di-n-propylamine	8.61	70	71935	14.48	ng	# 76
31) Naphthalene	9.77	128	67417	3.27	ng	99
50) 2,6-Dinitrotoluene	12.57	165	18009	6.03	ng	# 31
76) Benzidine	16.99	184	34977	12.48	ng	94

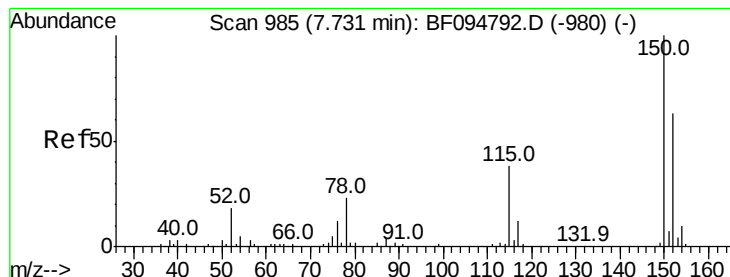
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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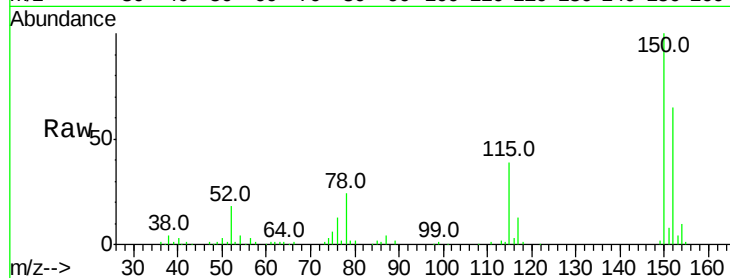


#1

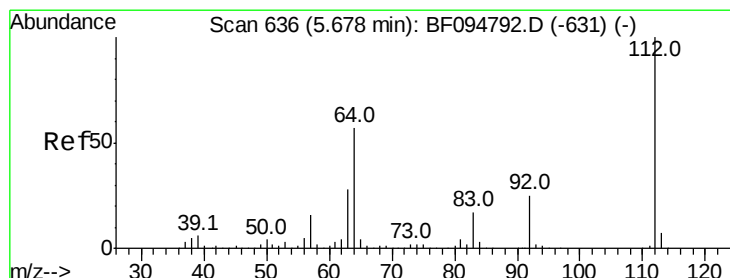
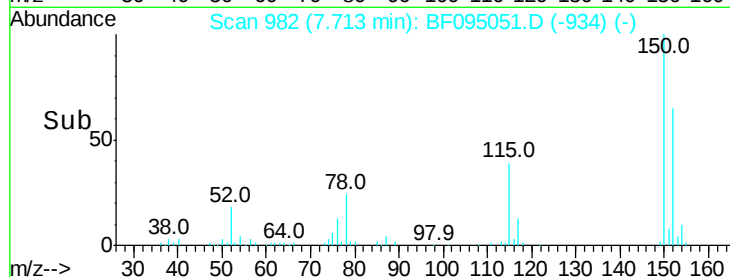
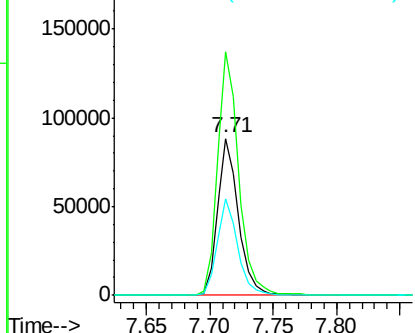
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.71 min Scan# 982
Delta R.T. -0.02 min
Lab File: BF095051.D
Acq: 10 May 2017 7:51

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 102088
Ion Ratio Lower Upper
152 100
150 155.0 126.2 189.2
115 61.1 52.2 78.2



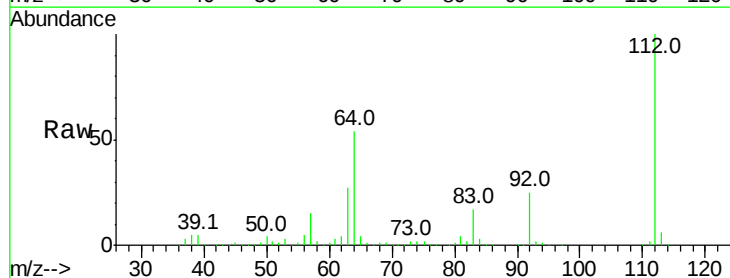
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



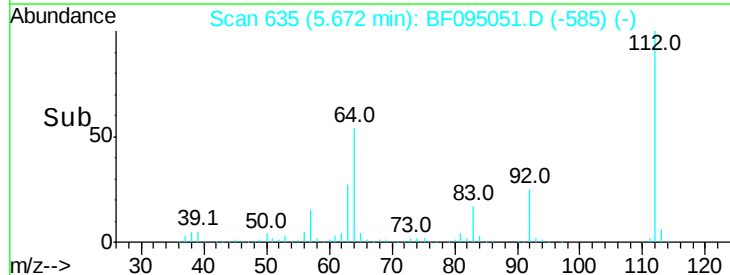
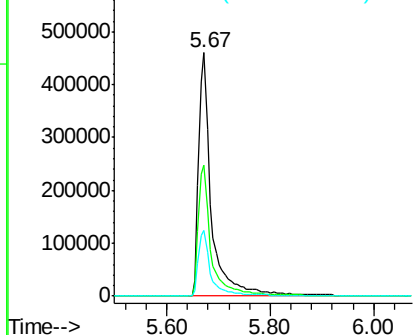
#5

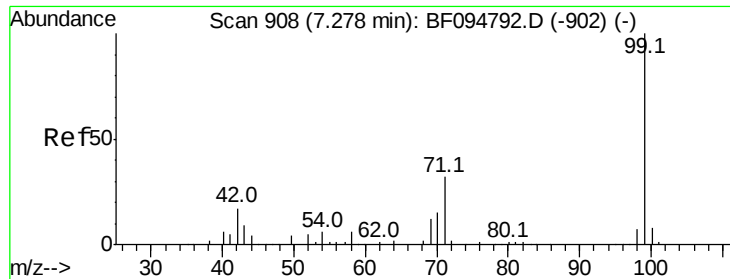
2-Fluorophenol
Concen: 129.57 ng
RT: 5.67 min Scan# 635
Delta R.T. -0.01 min
Lab File: BF095051.D
Acq: 10 May 2017 7:51

Tgt Ion:112 Resp: 793379
Ion Ratio Lower Upper
112 100
64 53.9 46.0 69.0
63 27.2 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: 121.91 ng

RT: 7.26 min Scan# 905

Delta R.T. -0.02 min

Lab File: BF095051.D

Acq: 10 May 2017 7:51

Instrument :

BNA_F

ClientSampleId :

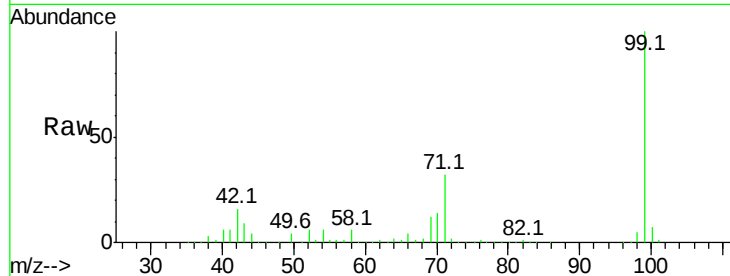
Tot Ion: 99 Resp: 895677

Ion Ratio Lower Upper

99 100

42 16.4 13.5 20.3

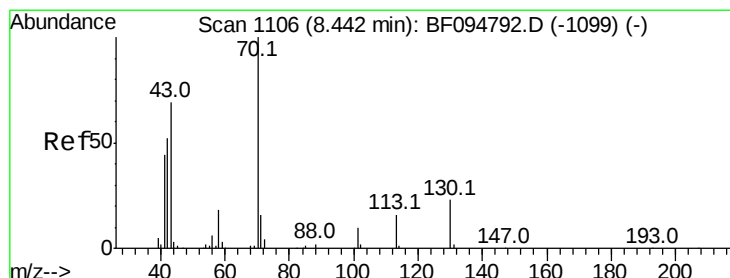
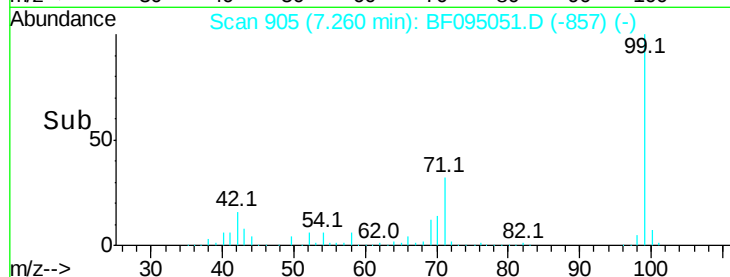
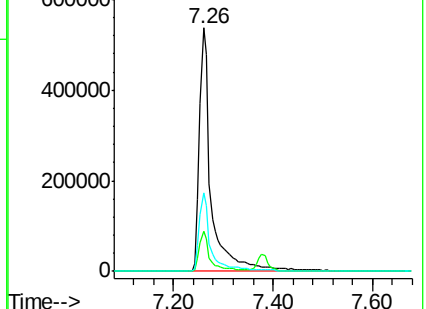
71 32.3 24.5 36.7



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: 14.48 ng

RT: 8.61 min Scan# 1135

Delta R.T. 0.17 min

Lab File: BF095051.D

Acq: 10 May 2017 7:51

Tgt Ion: 70 Resp: 71935

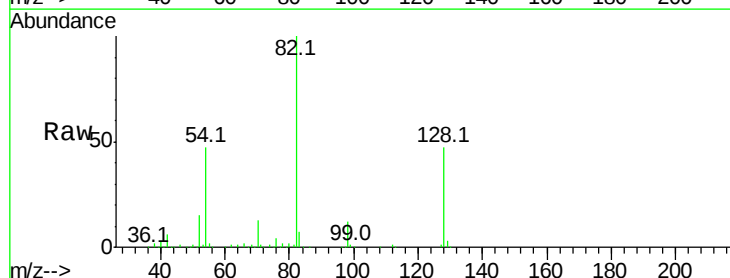
Ion Ratio Lower Upper

70 100

42 44.7 47.2 70.8#

101 0.0 7.2 10.8#

130 2.9 15.9 23.9#

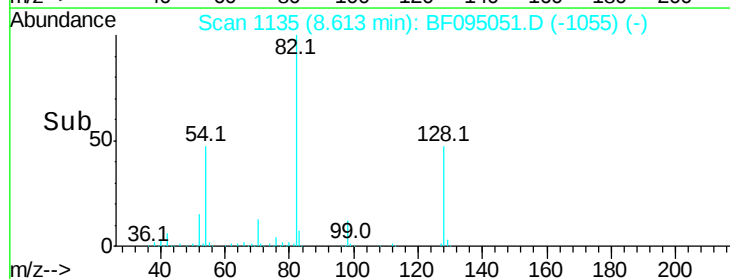
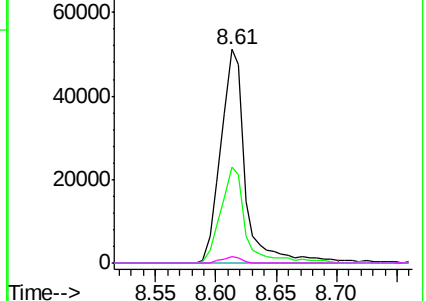


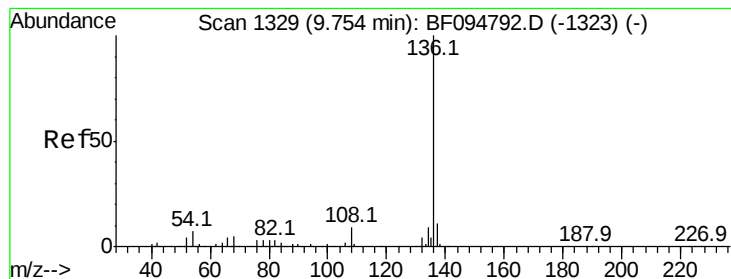
Abundance Ion 70.00 (69.70 to 70.70): BF0

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: 9.73 min Scan# 1325

Delta R.T. -0.02 min

Lab File: BF095051.D

Acq: 10 May 2017 7:51

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 410338

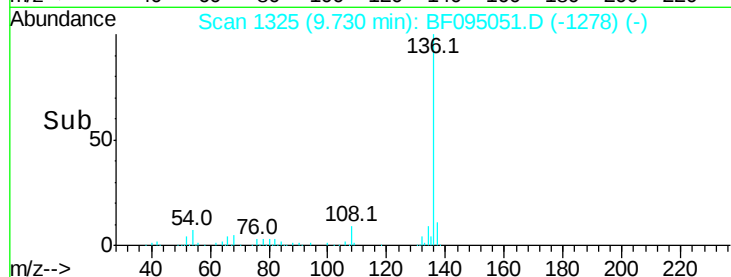
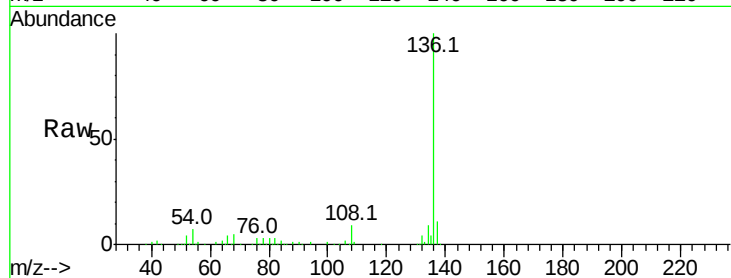
Ion Ratio Lower Upper

136 100

137 10.5 8.5 12.7

54 7.1 4.9 7.3

68 5.4 4.1 6.1

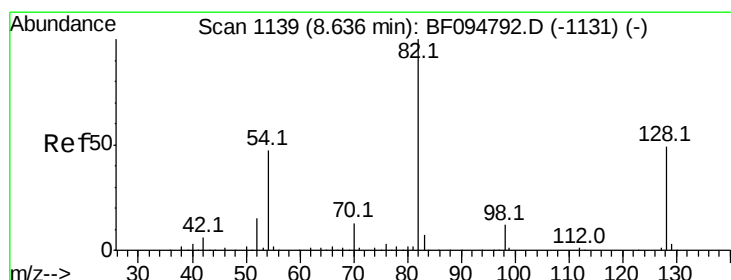
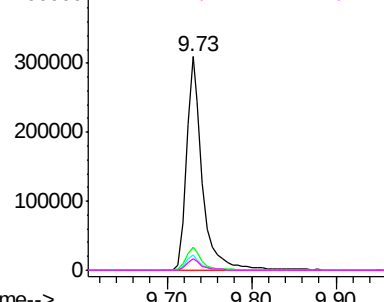


Abundance Ion 136.00 (135.70 to 136.70): E

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: 87.61 ng

RT: 8.61 min Scan# 1135

Delta R.T. -0.02 min

Lab File: BF095051.D

Acq: 10 May 2017 7:51

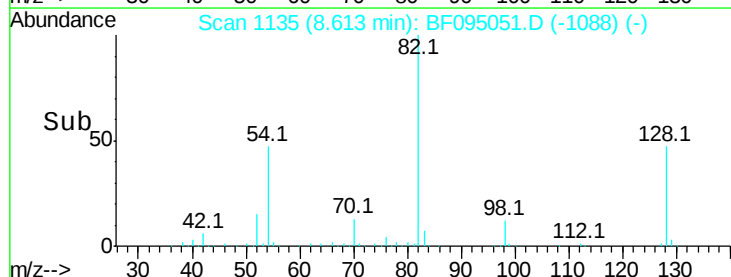
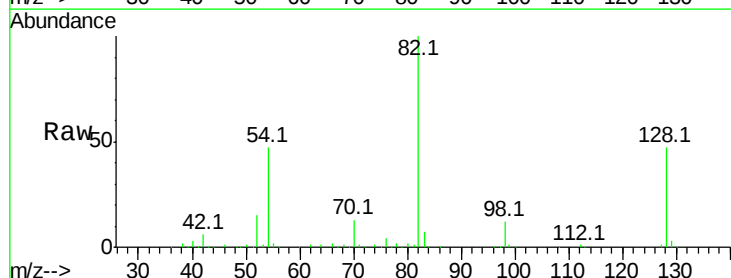
Tgt Ion: 82 Resp: 570121

Ion Ratio Lower Upper

82 100

128 47.4 34.0 51.0

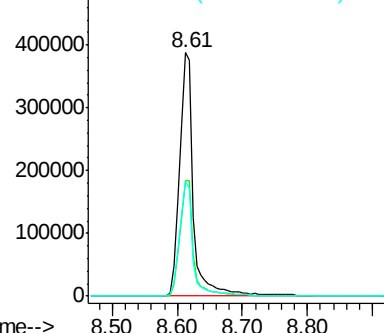
54 46.8 42.2 63.2

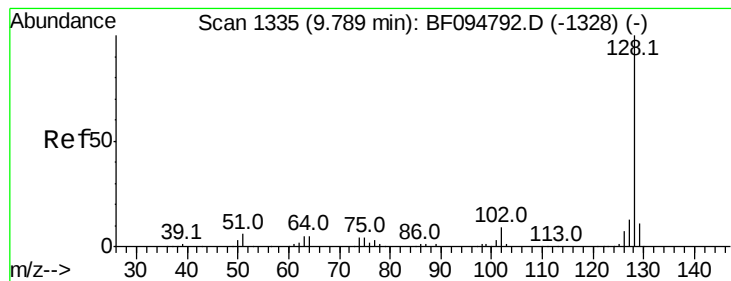


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0





#31

Naphthalene

Concen: 3.27 ng

RT: 9.77 min Scan# 1331

Delta R.T. -0.02 min

Lab File: BF095051.D

Acq: 10 May 2017 7:51

Instrument :

BNA_F

ClientSampleId :

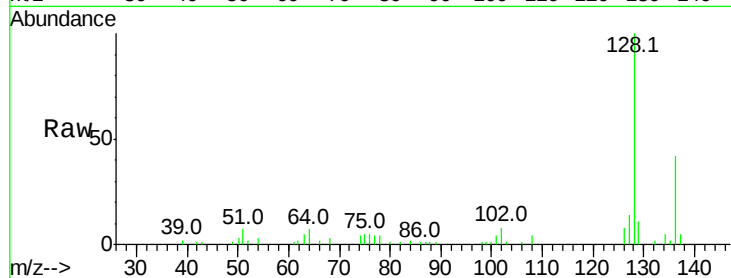
Tot Ion:128 Resp: 67417

Ion Ratio Lower Upper

128 100

129 11.2 9.0 13.6

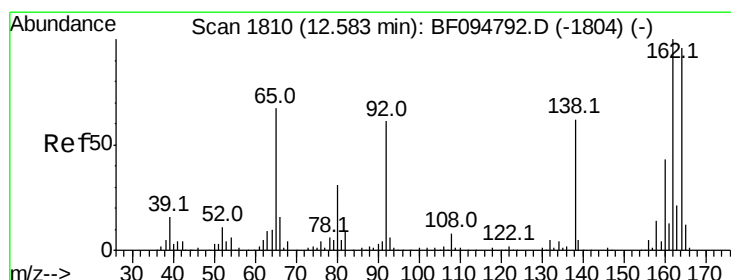
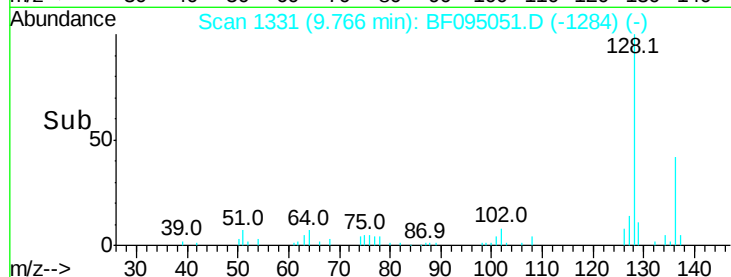
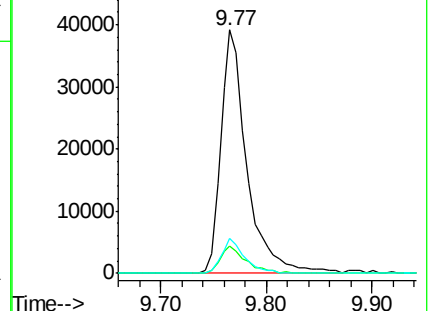
127 14.3 10.8 16.2



Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 12.57 min Scan# 1807

Delta R.T. -0.02 min

Lab File: BF095051.D

Acq: 10 May 2017 7:51

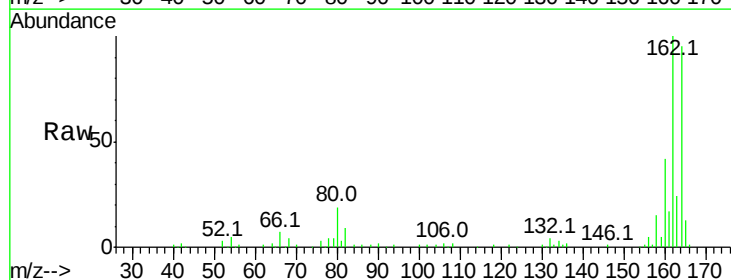
Tgt Ion:164 Resp: 178174

Ion Ratio Lower Upper

164 100

162 104.9 82.6 123.8

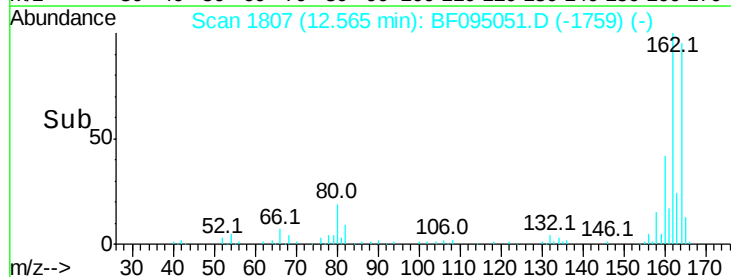
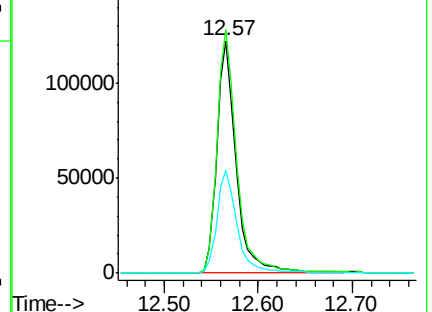
160 44.3 36.2 54.2

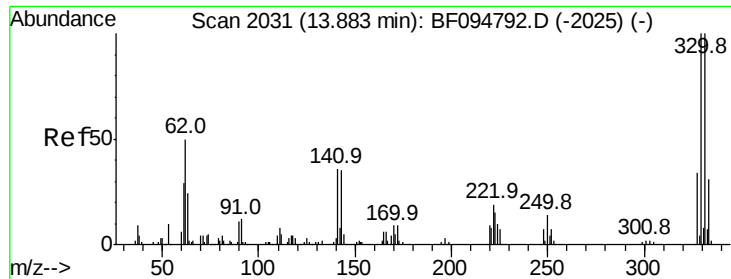


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

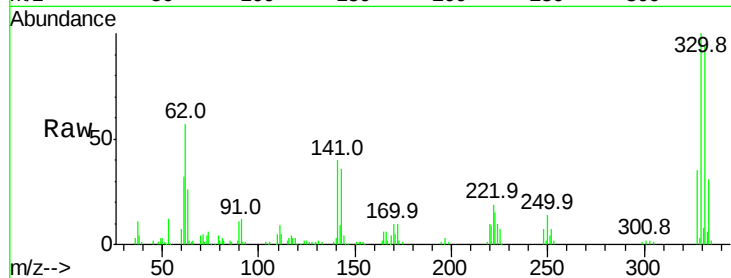




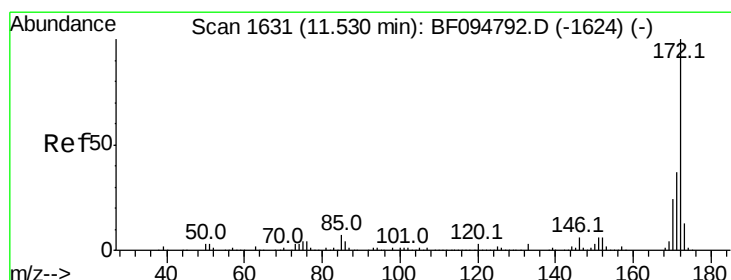
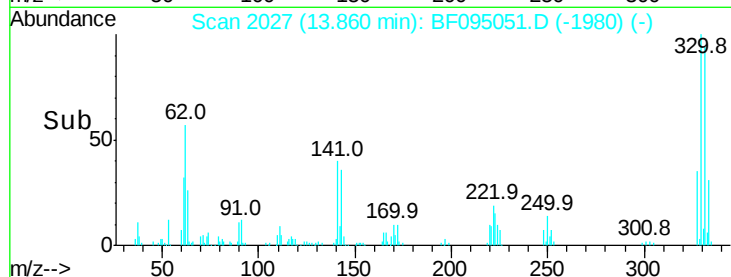
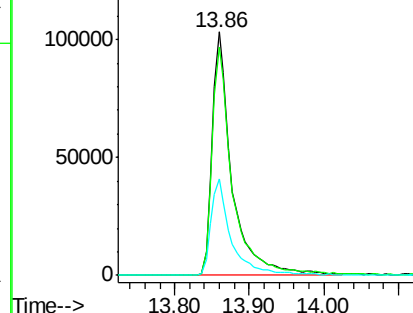
#41
 2,4,6-Tribromophenol
 Concen: 130.72 ng
 RT: 13.86 min Scan# 2027
 Delta R.T. -0.02 min
 Lab File: BF095051.D
 Acq: 10 May 2017 7:51

Instrument :
 BNA_F
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
330	100		
332	97.7	76.6	115.0
141	40.4	31.4	47.2

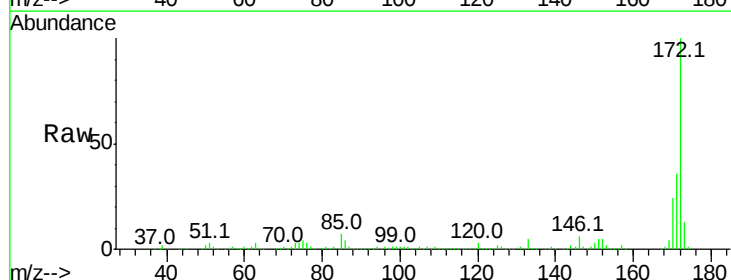


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

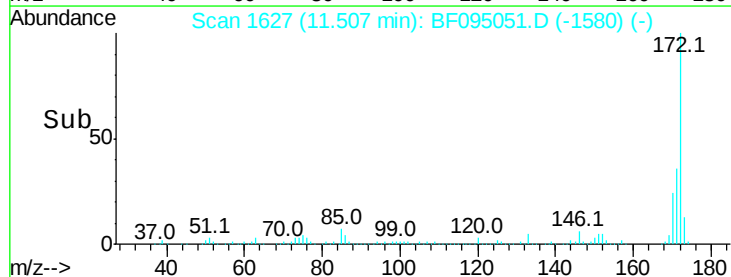
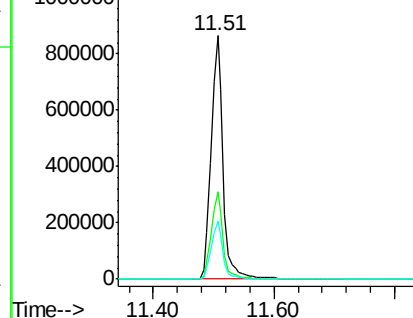


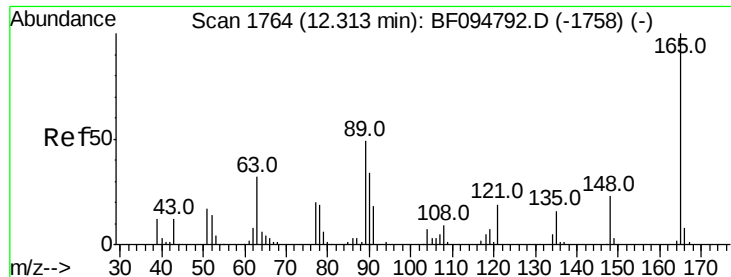
#44
 2-Fluorobiphenyl
 Concen: 97.24 ng
 RT: 11.51 min Scan# 1627
 Delta R.T. -0.02 min
 Lab File: BF095051.D
 Acq: 10 May 2017 7:51

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.9	29.6	44.4
170	23.9	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

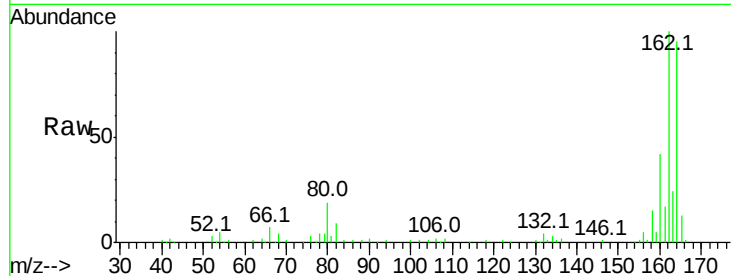




#50
 2,6-Dinitrotoluene
 Concen: 6.03 ng
 RT: 12.57 min Scan# 1807
 Delta R.T. 0.25 min
 Lab File: BF095051.D
 Acq: 10 May 2017 7:51

Instrument :
 BNA_F
 ClientSampleId :

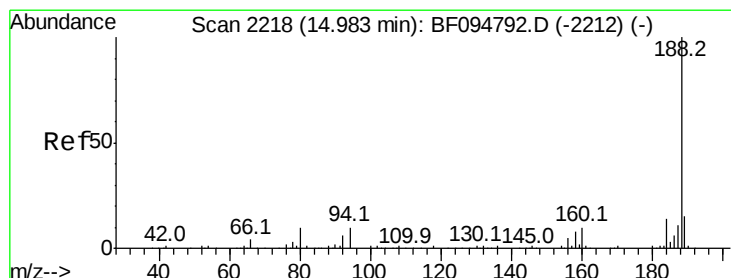
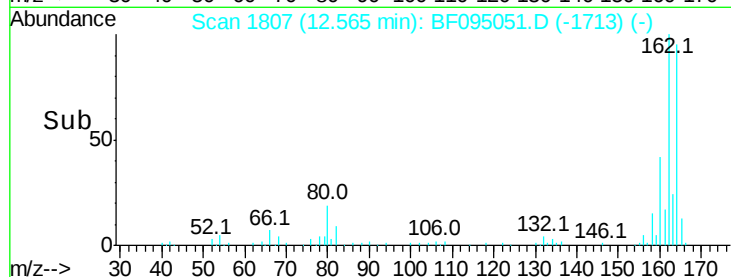
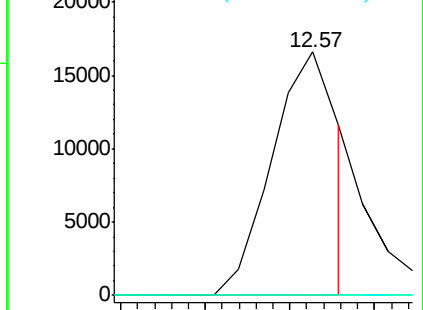
Tot Ion	Ratio	Lower	Upper
165	100		
63	0.0	34.3	51.5#
89	0.0	37.1	55.7#



Abundance Ion 165.00 (164.70 to 165.70): E

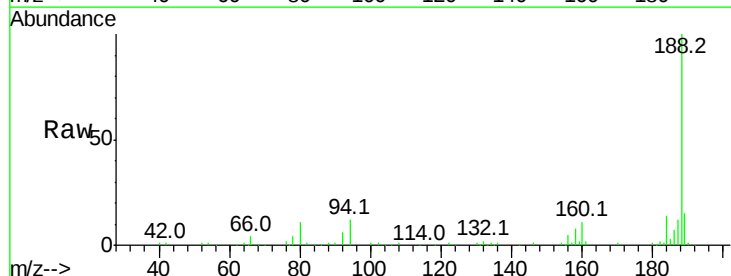
Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0



#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 14.97 min Scan# 2215
 Delta R.T. -0.02 min
 Lab File: BF095051.D
 Acq: 10 May 2017 7:51

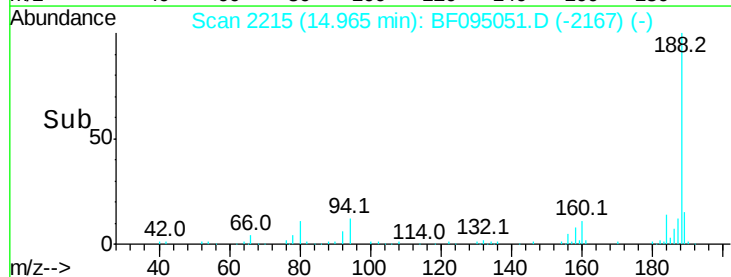
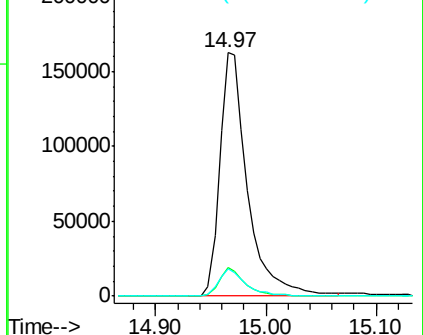
Tgt Ion	Ratio	Lower	Upper
188	100		
94	11.7	9.4	14.2
80	11.4	10.2	15.2

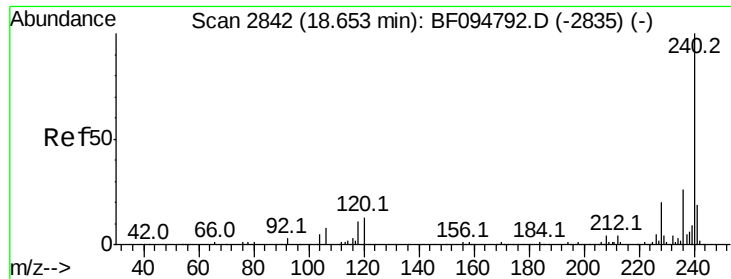


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0

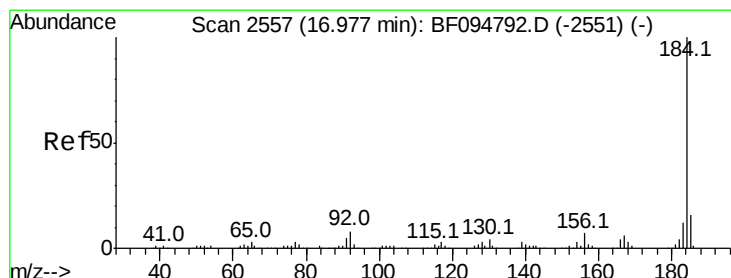
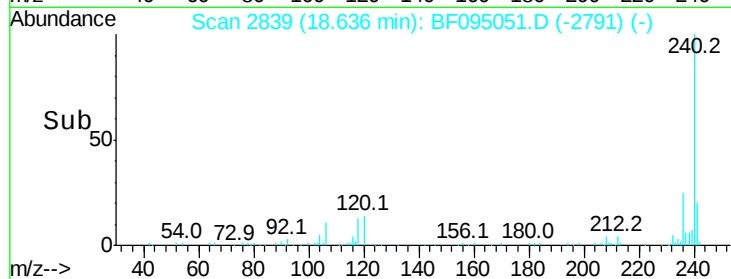
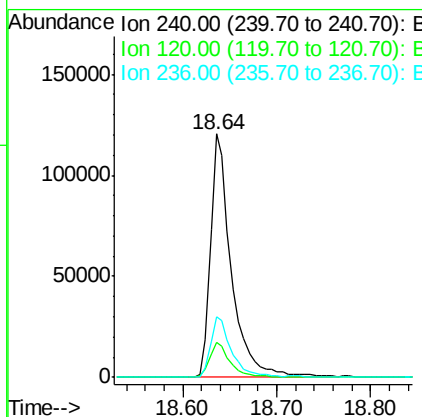
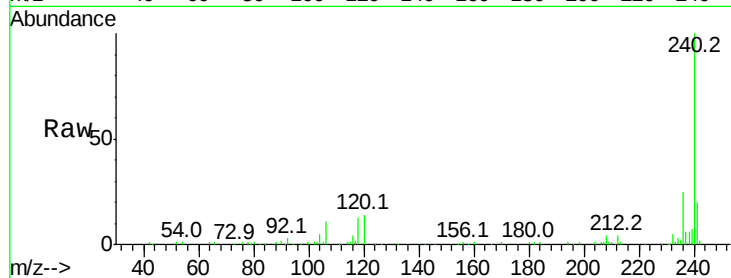




#75
 Chrysene-d12
 Concen: 20.00 ng
 RT: 18.64 min Scan# 2839
 Delta R.T. -0.02 min
 Lab File: BF095051.D
 Acq: 10 May 2017 7:51

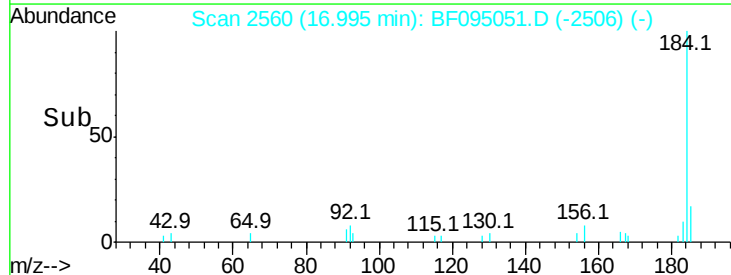
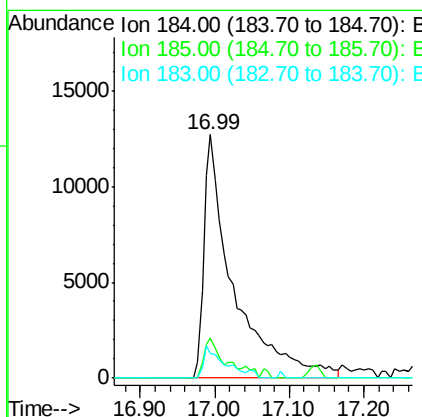
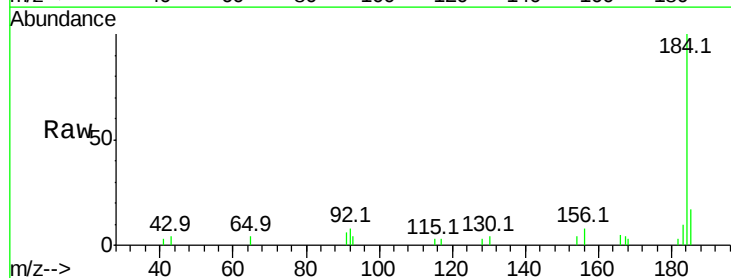
Instrument :
 BNA_F
 ClientSampleId :

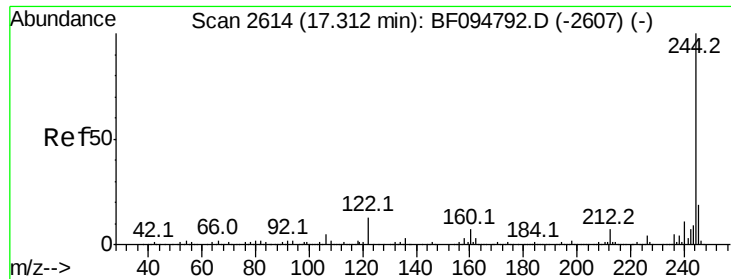
Tot Ion:240 Resp: 189511
 Ion Ratio Lower Upper
 240 100
 120 14.2 5.8 8.8#
 236 24.7 20.5 30.7



#76
 Benzidine
 Concen: 12.48 ng
 RT: 16.99 min Scan# 2560
 Delta R.T. 0.02 min
 Lab File: BF095051.D
 Acq: 10 May 2017 7:51

Tgt Ion:184 Resp: 34977
 Ion Ratio Lower Upper
 184 100
 185 16.6 15.5 23.3
 183 10.4 9.8 14.6

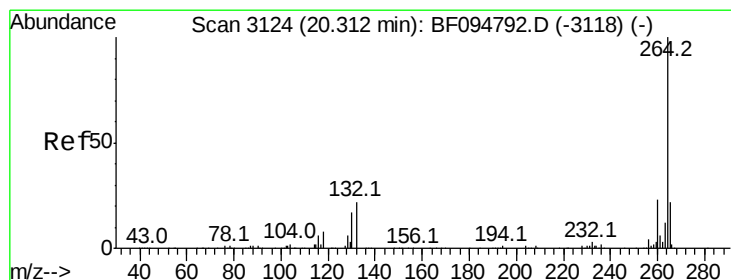
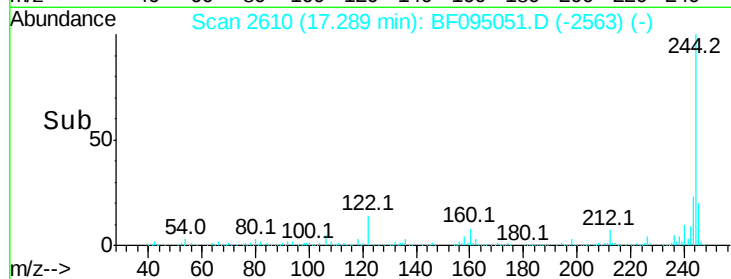
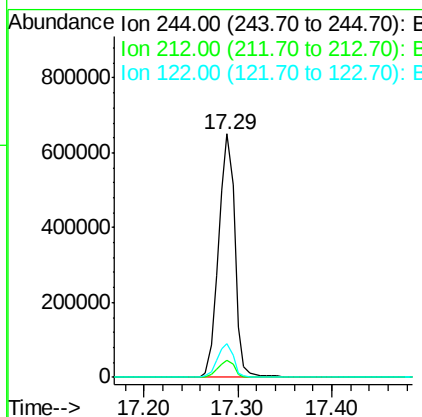
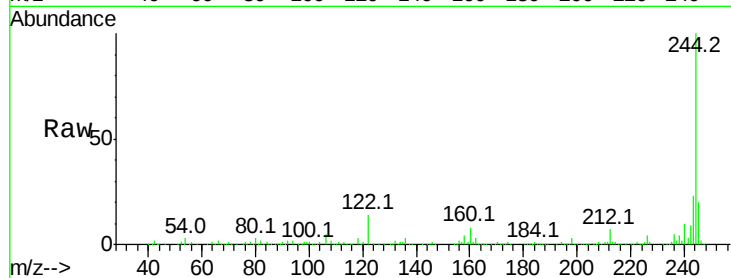




#78
 Terphenyl-d14
 Concen: 92.13 ng
 RT: 17.29 min Scan# 2610
 Delta R.T. -0.02 min
 Lab File: BF095051.D
 Acq: 10 May 2017 7:51

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:244 Resp: 792728
 Ion Ratio Lower Upper
 244 100
 212 7.0 6.0 9.0
 122 14.0 10.3 15.5



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 20.31 min Scan# 3123
 Delta R.T. -0.01 min
 Lab File: BF095051.D
 Acq: 10 May 2017 7:51

Tgt Ion:264 Resp: 172319
 Ion Ratio Lower Upper
 264 100
 260 23.2 19.5 29.3
 265 21.0 17.2 25.8

