

Data Path : Z:\HPCHEM1\BNA F\DATA\BF050917\
 Data File : BF095049.D
 Acq On : 10 May 2017 6:48
 Operator : SJ/MA
 Sample : I3027-11
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: May 10 07:54:11 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

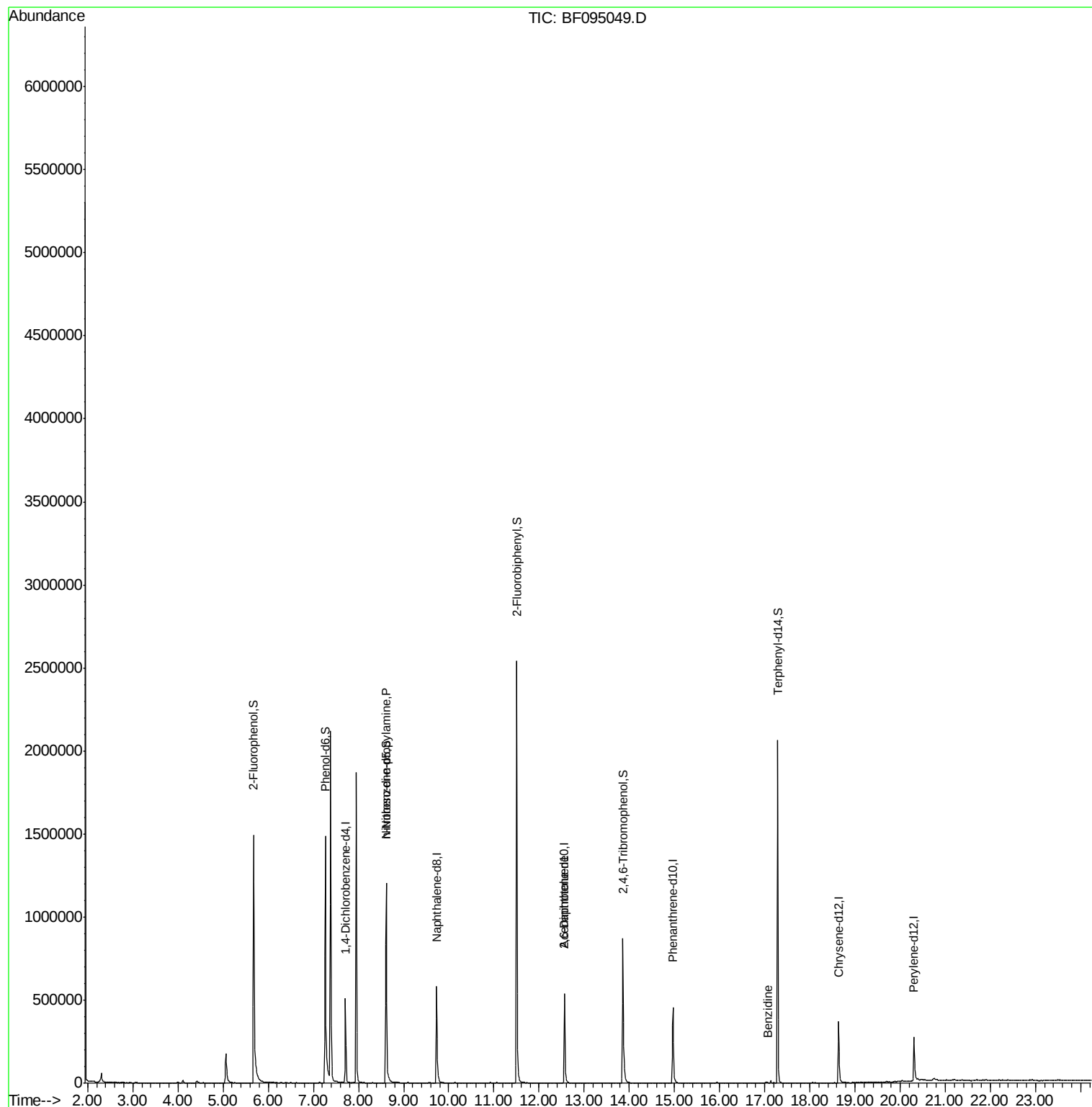
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.71	152	105776	20.00	ng	-0.02
21) Naphthalene-d8	9.73	136	426436	20.00	ng	-0.02
38) Acenaphthene-d10	12.57	164	188231	20.00	ng	-0.02
63) Phenanthrene-d10	14.97	188	296268	20.00	ng	-0.02
75) Chrysene-d12	18.64	240	204016	20.00	ng	-0.02
86) Perylene-d12	20.31	264	172765	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.68	112	766537	120.82	ng	0.00
7) Phenol-d6	7.27	99	913242	119.97	ng	-0.01
23) Nitrobenzene-d5	8.62	82	635030	93.90	ng	-0.02
41) 2,4,6-Tribromophenol	13.86	330	181792	117.93	ng	-0.02
44) 2-Fluorobiphenyl	11.51	172	1201730	91.89	ng	-0.02
78) Terphenyl-d14	17.29	244	805427	86.95	ng	-0.02
Target Compounds						
19) n-Nitroso-di-n-propylamine	8.62	70	80590	15.65	ng	# 77
50) 2,6-Dinitrotoluene	12.56	165	18911	6.00	ng	# 33
76) Benzidine	17.07	184	506	6.67	ng	# 62

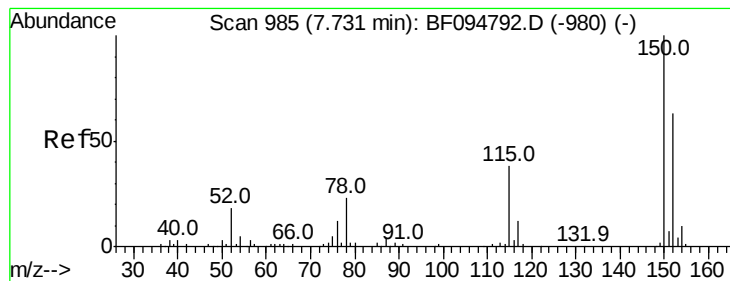
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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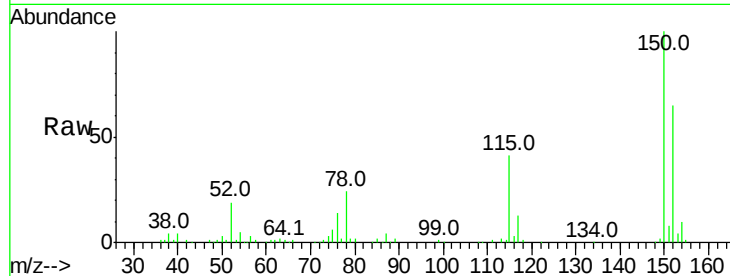


#1

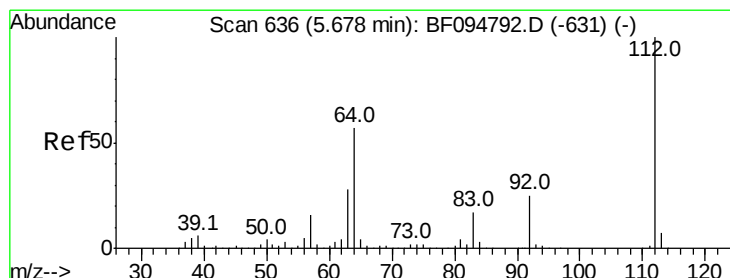
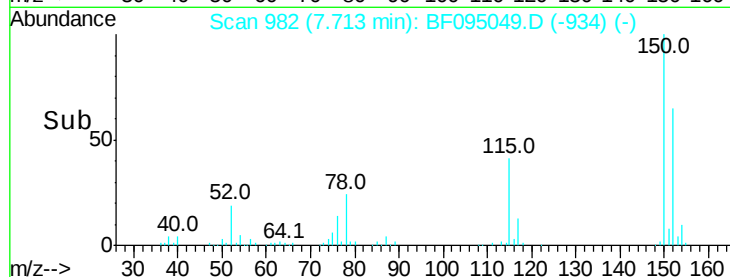
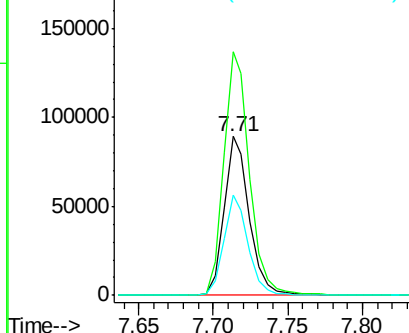
1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 7.71 min Scan# 982
 Delta R.T. -0.02 min
 Lab File: BF095049.D
 Acq: 10 May 2017 6:48

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:152 Resp: 105776
 Ion Ratio Lower Upper
 152 100
 150 153.2 126.2 189.2
 115 63.3 52.2 78.2



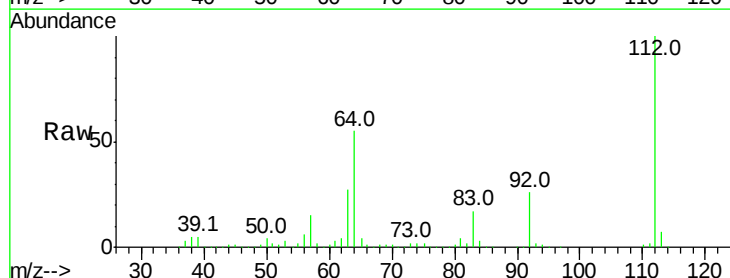
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



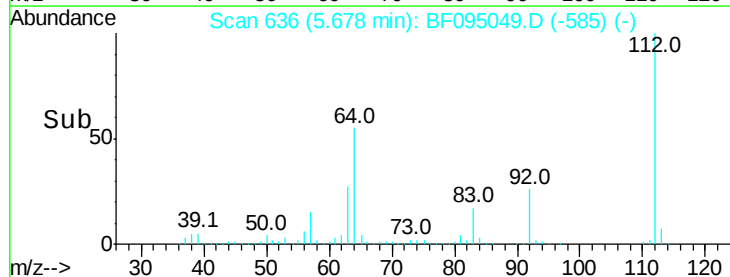
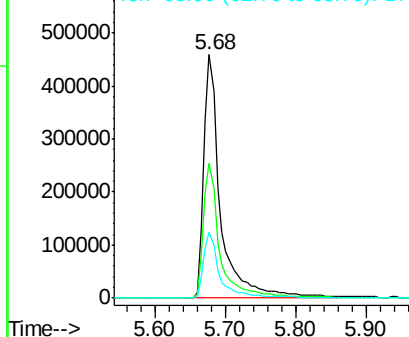
#5

2-Fluorophenol
 Concen: 120.82 ng
 RT: 5.68 min Scan# 636
 Delta R.T. 0.00 min
 Lab File: BF095049.D
 Acq: 10 May 2017 6:48

Tgt Ion:112 Resp: 766537
 Ion Ratio Lower Upper
 112 100
 64 55.2 46.0 69.0
 63 27.0 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: 119.97 ng

RT: 7.27 min Scan# 906

Delta R.T. -0.01 min

Lab File: BF095049.D

Acq: 10 May 2017 6:48

Instrument :

BNA_F

ClientSampleId :

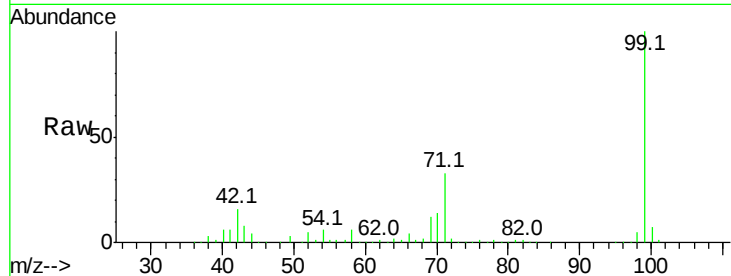
Tot Ion: 99 Resp: 913242

Ion Ratio Lower Upper

99 100

42 16.2 13.5 20.3

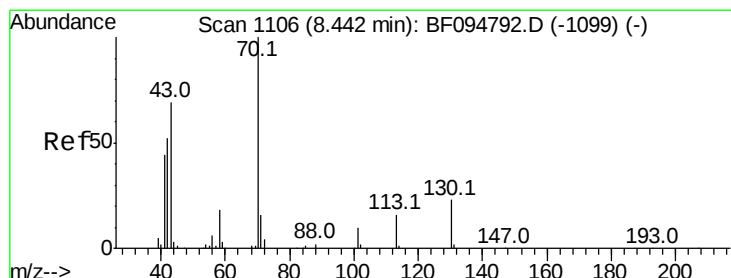
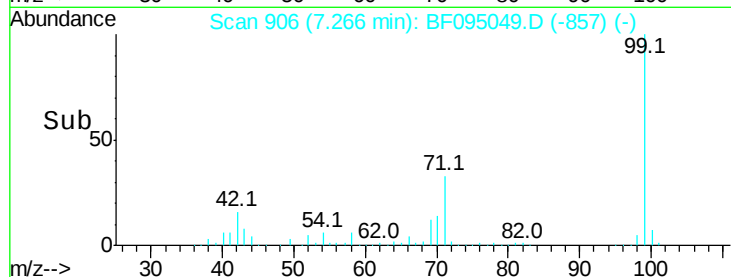
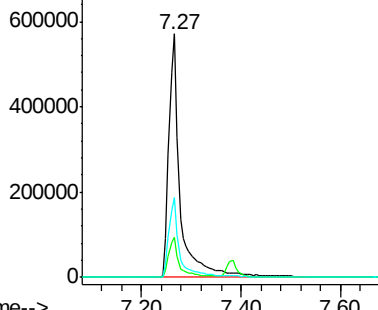
71 32.6 24.5 36.7



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: 15.65 ng

RT: 8.62 min Scan# 1136

Delta R.T. 0.18 min

Lab File: BF095049.D

Acq: 10 May 2017 6:48

Tgt Ion: 70 Resp: 80590

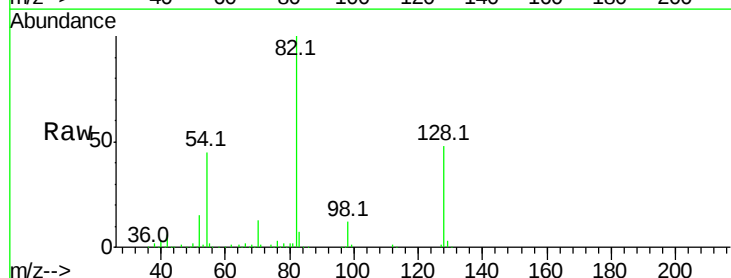
Ion Ratio Lower Upper

70 100

42 45.5 47.2 70.8#

101 0.0 7.2 10.8#

130 2.1 15.9 23.9#

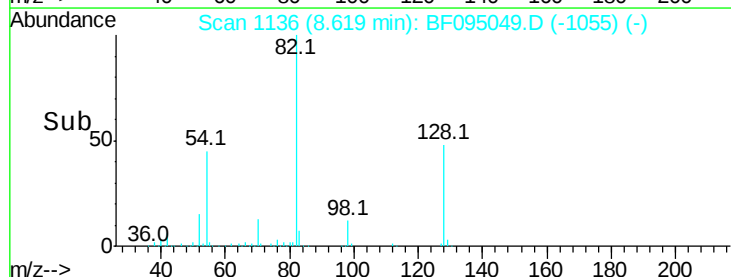
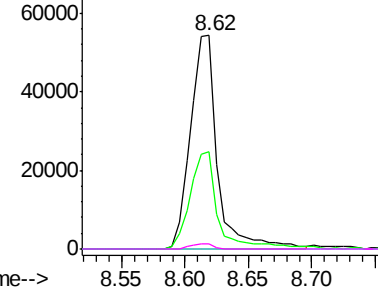


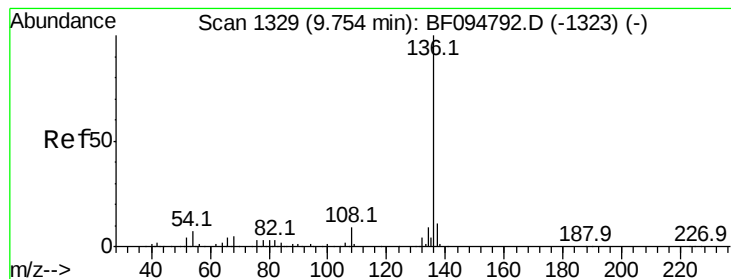
Abundance Ion 70.00 (69.70 to 70.70): BF0

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: BF095049.D

Acq: 10 May 2017 6:48

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 426436

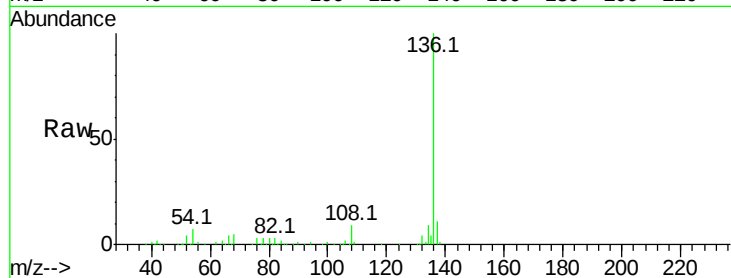
Ion Ratio Lower Upper

136 100

137 10.5 8.5 12.7

54 6.8 4.9 7.3

68 5.1 4.1 6.1

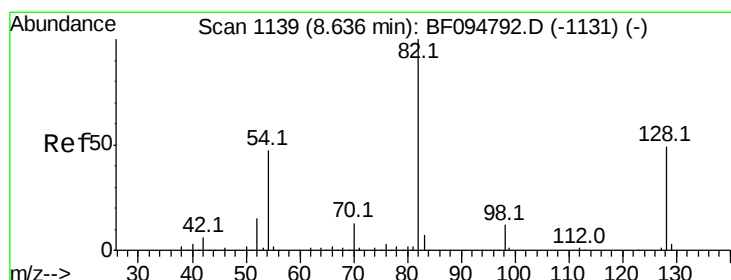
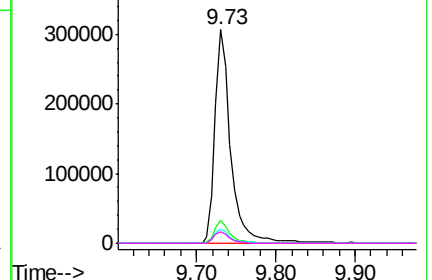
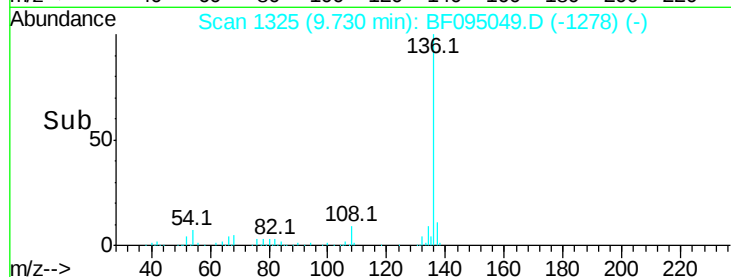


Abundance Ion 136.00 (135.70 to 136.70): E

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: 93.90 ng

RT: 8.62 min Scan# 1136

Delta R.T. -0.02 min

Lab File: BF095049.D

Acq: 10 May 2017 6:48

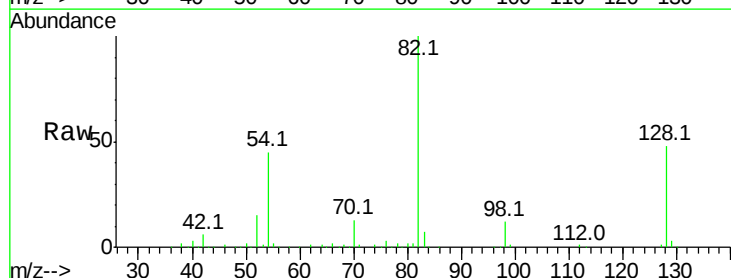
Tgt Ion: 82 Resp: 635030

Ion Ratio Lower Upper

82 100

128 48.4 34.0 51.0

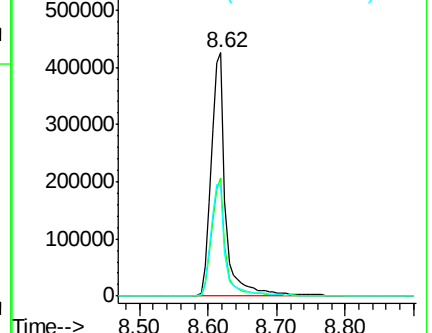
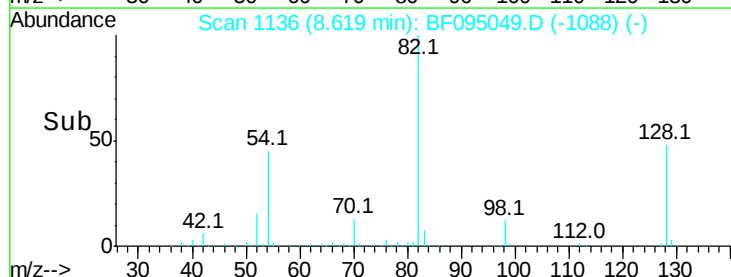
54 45.4 42.2 63.2

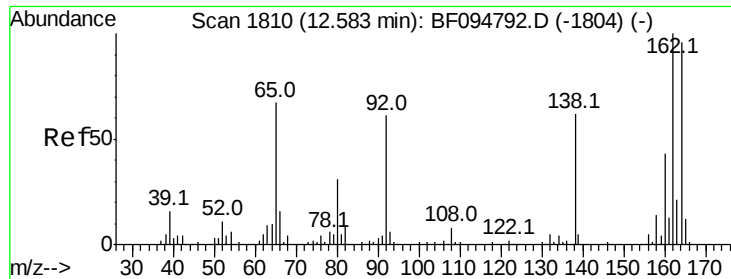


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 12.57 min Scan# 1807

Delta R.T. -0.02 min

Lab File: BF095049.D

Acq: 10 May 2017 6:48

Instrument :

BNA_F

ClientSampleId :

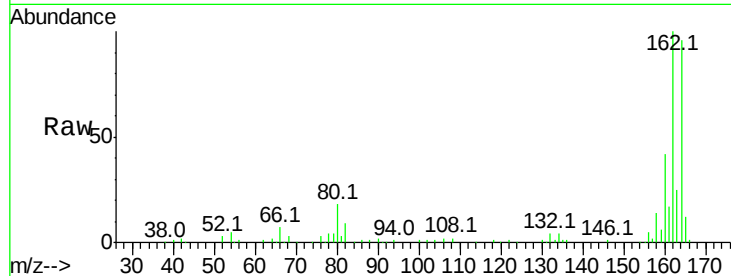
Tot Ion:164 Resp: 188231

Ion Ratio Lower Upper

164 100

162 103.7 82.6 123.8

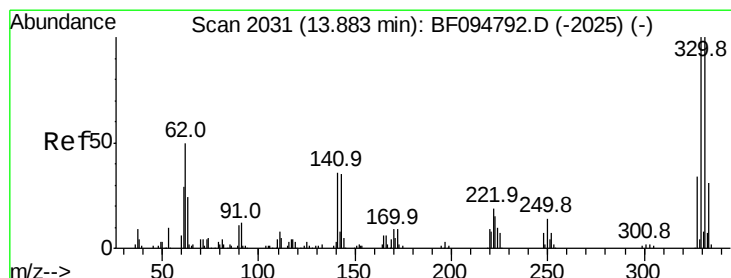
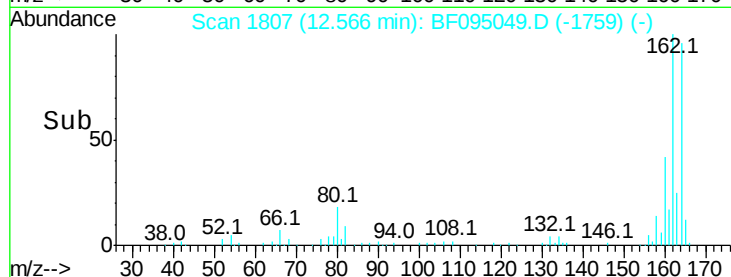
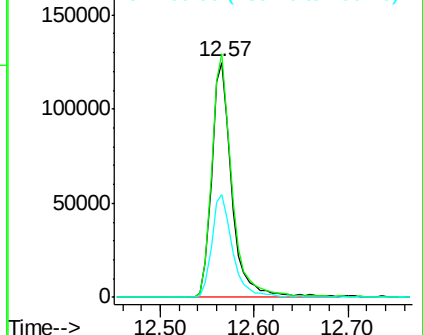
160 43.5 36.2 54.2



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: 117.93 ng

RT: 13.86 min Scan# 2027

Delta R.T. -0.02 min

Lab File: BF095049.D

Acq: 10 May 2017 6:48

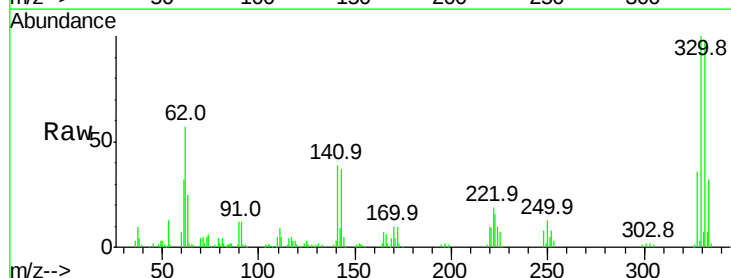
Tgt Ion:330 Resp: 181792

Ion Ratio Lower Upper

330 100

332 97.0 76.6 115.0

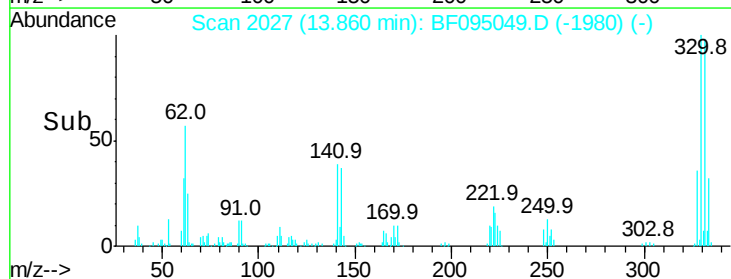
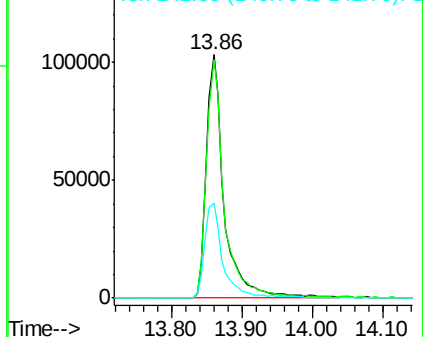
141 40.3 31.4 47.2

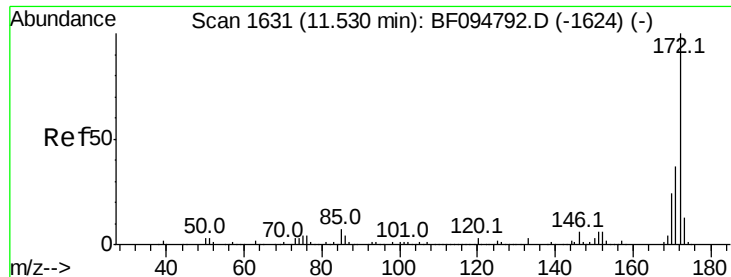


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

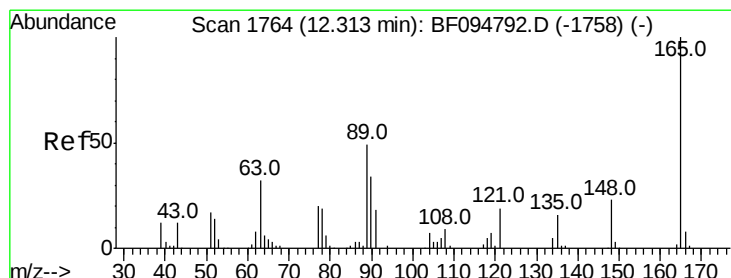
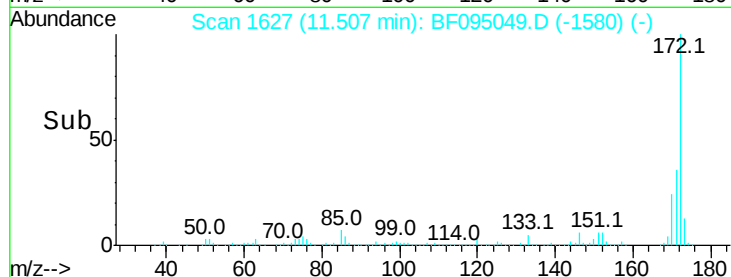
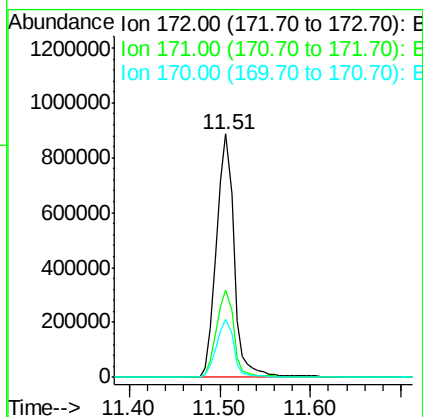
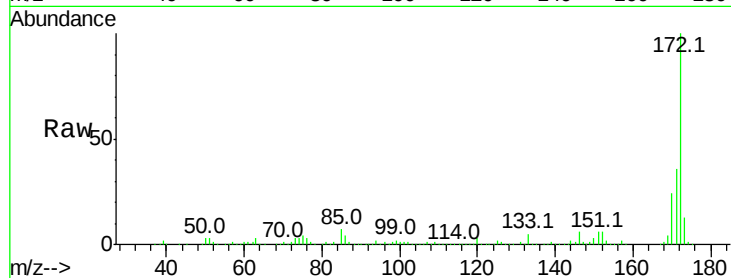




#44
 2-Fluorobiphenyl
 Concen: 91.89 ng
 RT: 11.51 min Scan# 1627
 Delta R.T. -0.02 min
 Lab File: BF095049.D
 Acq: 10 May 2017 6:48

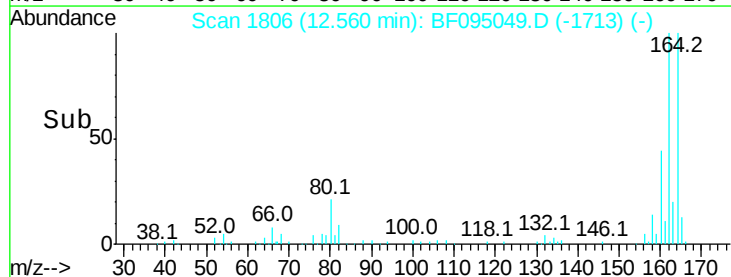
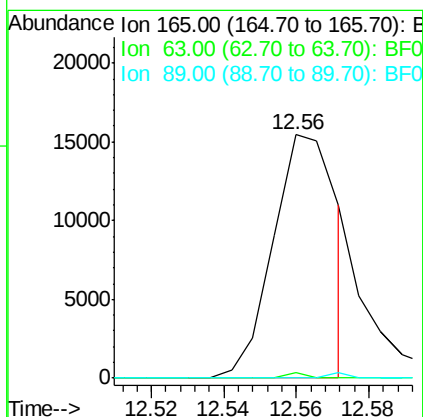
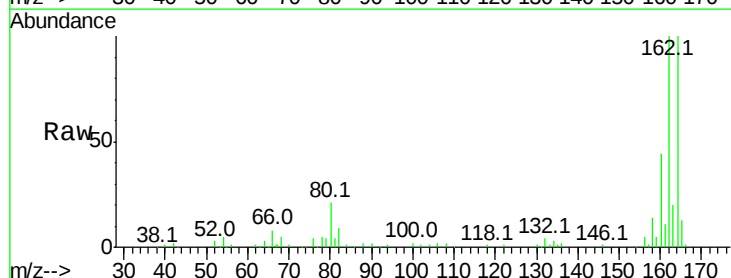
Instrument :
 BNA_F
 ClientSampled :

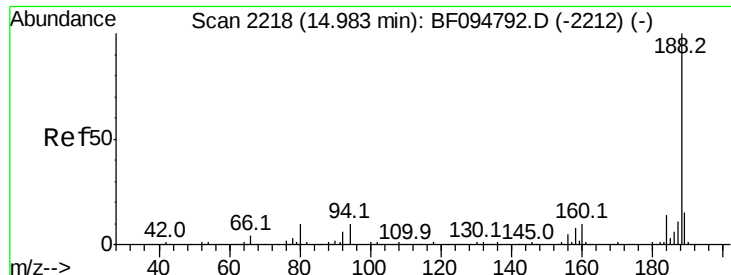
Tot Ion:172 Resp: 1201730
 Ion Ratio Lower Upper
 172 100
 171 35.7 29.6 44.4
 170 23.9 19.8 29.8



#50
 2,6-Dinitrotoluene
 Concen: 6.00 ng
 RT: 12.56 min Scan# 1806
 Delta R.T. 0.25 min
 Lab File: BF095049.D
 Acq: 10 May 2017 6:48

Tgt Ion:165 Resp: 18911
 Ion Ratio Lower Upper
 165 100
 63 2.1 34.3 51.5#
 89 0.0 37.1 55.7#

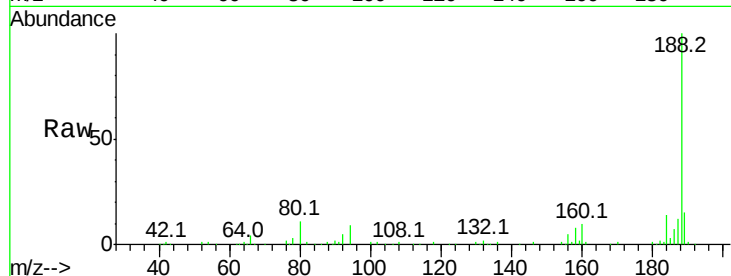




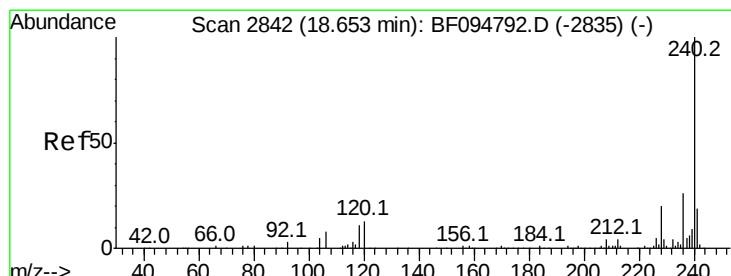
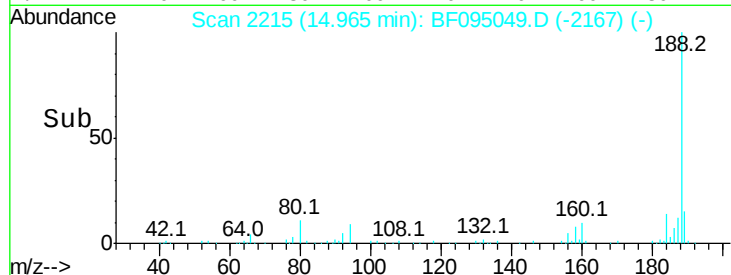
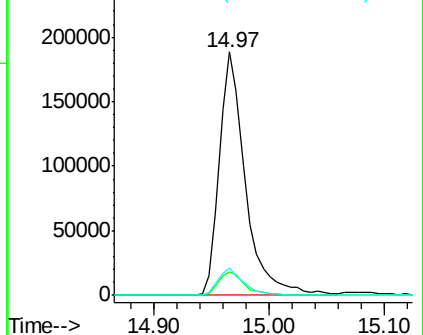
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 14.97 min Scan# 2215
Delta R.T. -0.02 min
Lab File: BF095049.D
Acq: 10 May 2017 6:48

Instrument :
BNA_F
ClientSampled :

Tot Ion	Ratio	Lower	Upper
188	100		
94	9.5	9.4	14.2
80	11.1	10.2	15.2

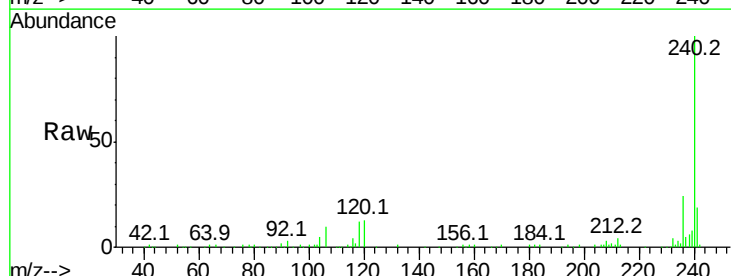


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

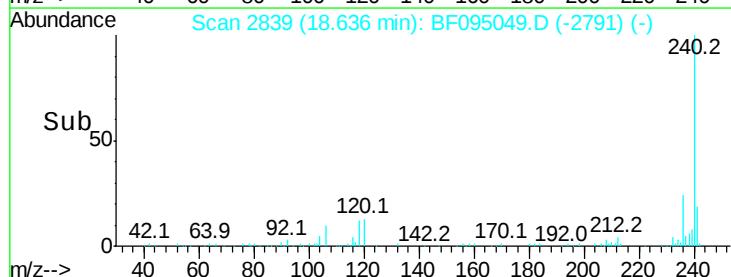
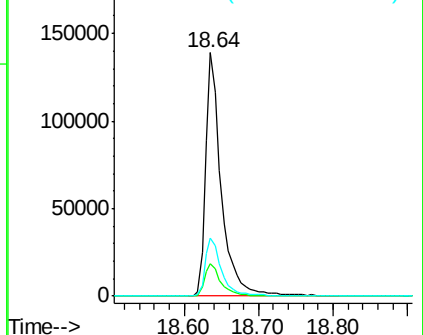


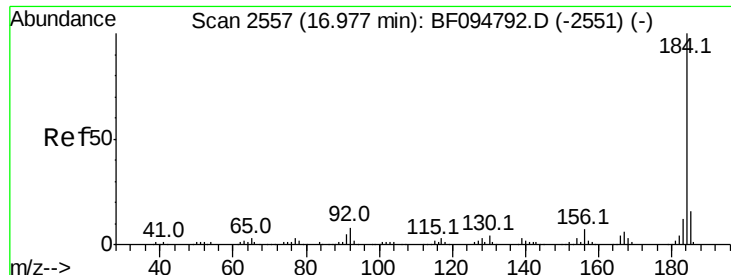
#75
Chrysene-d12
Concen: 20.00 ng
RT: 18.64 min Scan# 2839
Delta R.T. -0.02 min
Lab File: BF095049.D
Acq: 10 May 2017 6:48

Tgt Ion	Ratio	Lower	Upper
240	100		
120	13.5	5.8	8.8#
236	24.1	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

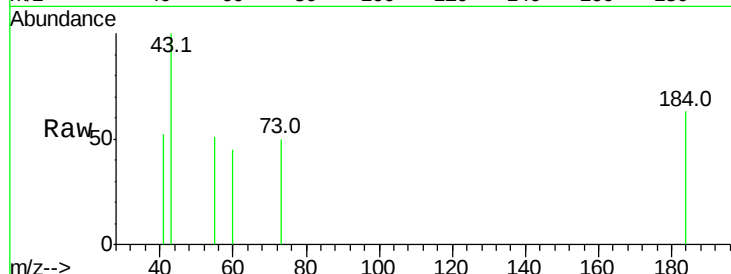




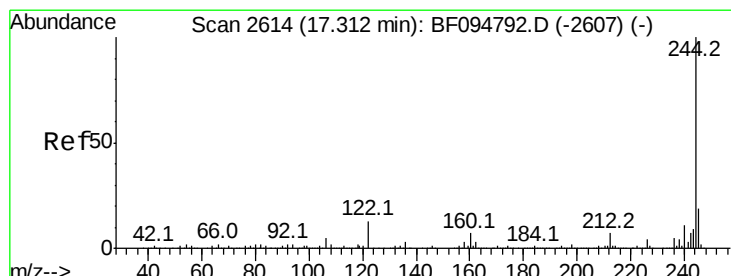
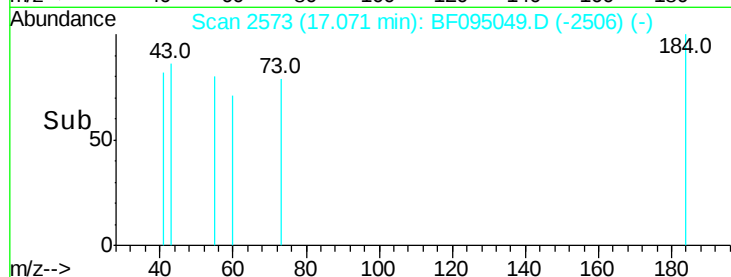
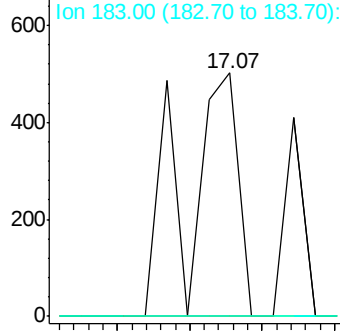
#76
Benzidine
Concen: 6.67 ng
RT: 17.07 min Scan# 2573
Delta R.T. 0.09 min
Lab File: BF095049.D
Acq: 10 May 2017 6:48

Instrument :
BNA_F
ClientSampleId :

Tot Ion:184 Resp: 506
Ion Ratio Lower Upper
184 100
185 0.0 15.5 23.3#
183 0.0 9.8 14.6#

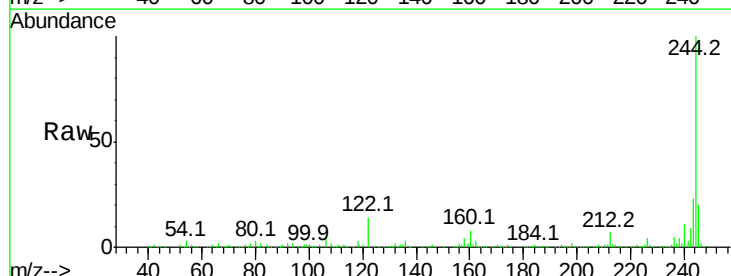


Abundance Ion 184.00 (183.70 to 184.70): E
Ion 185.00 (184.70 to 185.70): E
Ion 183.00 (182.70 to 183.70): E

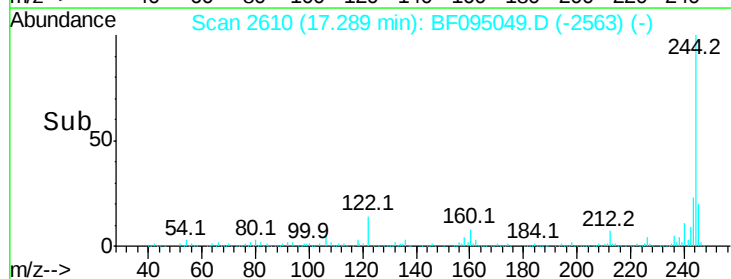
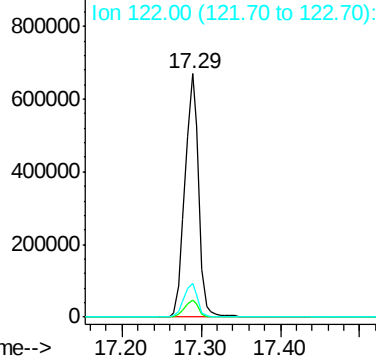


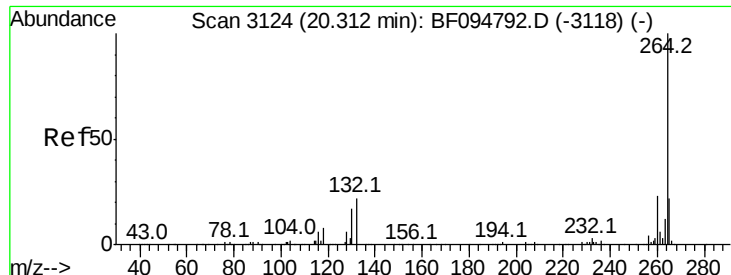
#78
Terphenyl-d14
Concen: 86.95 ng
RT: 17.29 min Scan# 2610
Delta R.T. -0.02 min
Lab File: BF095049.D
Acq: 10 May 2017 6:48

Tgt Ion:244 Resp: 805427
Ion Ratio Lower Upper
244 100
212 7.0 6.0 9.0
122 14.0 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

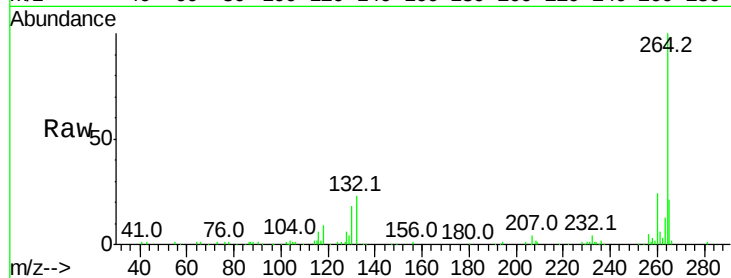




#86
 Pervlene-d12
 Concen: 20.00 ng
 RT: 20.31 min Scan# 3123
 Delta R.T. -0.01 min
 Lab File: BF095049.D
 Acq: 10 May 2017 6:48

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.3	19.5	29.3
265	20.8	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

