

Data Path : Z:\HPCHEM1\BNA F\DATA\BF050817\
 Data File : BF094987.D
 Acq On : 8 May 2017 19:00
 Operator : SJ/MA
 Sample : I3013-07RE
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: May 09 01:50:11 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

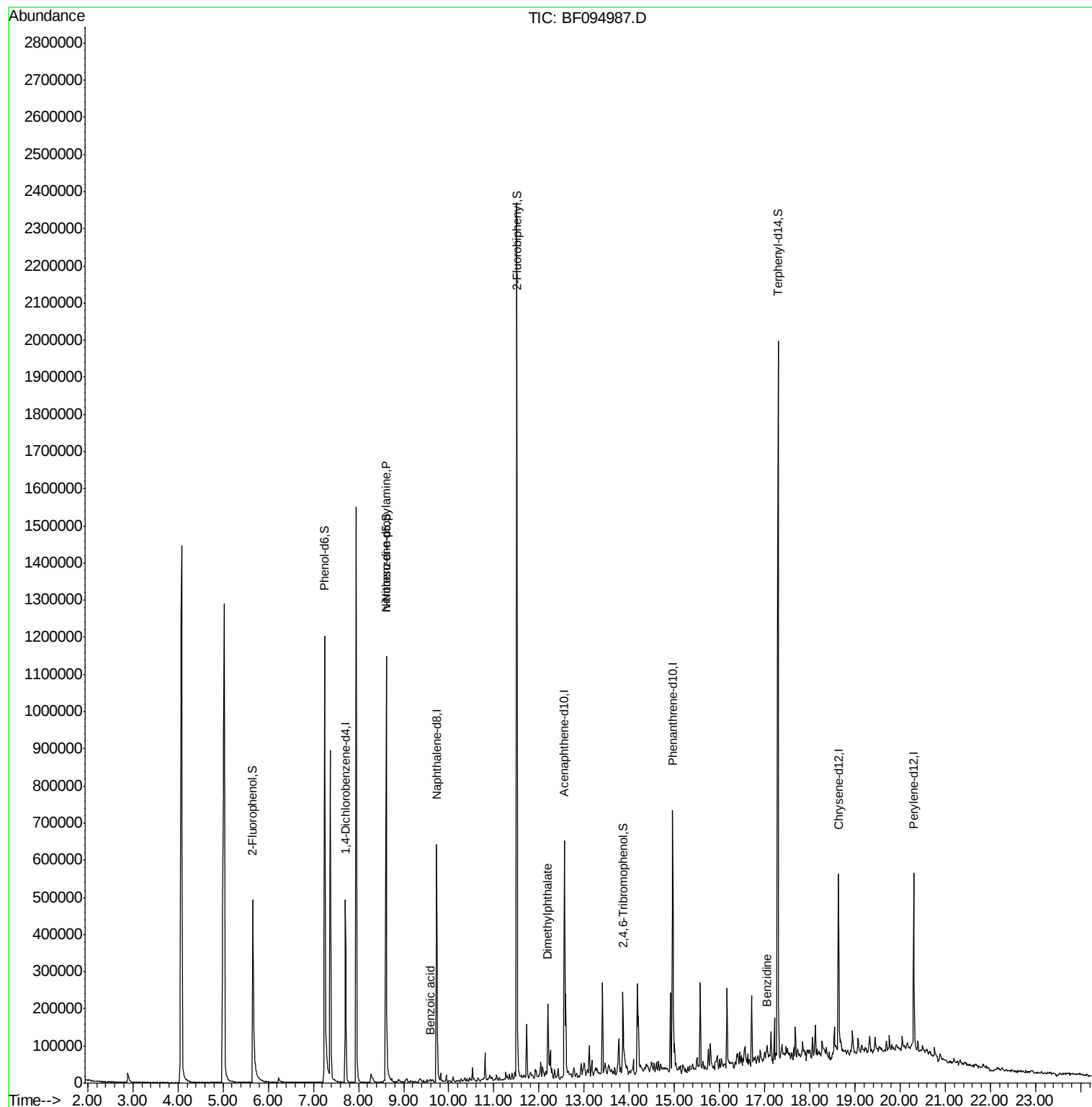
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.71	152	104270	20.00	ng	-0.02
21) Naphthalene-d8	9.73	136	423379	20.00	ng	-0.02
38) Acenaphthene-d10	12.56	164	175482	20.00	ng	-0.02
63) Phenanthrene-d10	14.97	188	340912	20.00	ng	-0.02
75) Chrysene-d12	18.64	240	229771	20.00	ng	-0.02
86) Perylene-d12	20.30	264	208947	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.66	112	289568	46.30	ng	-0.02
7) Phenol-d6	7.25	99	678488	90.42	ng	-0.03
23) Nitrobenzene-d5	8.61	82	519720	77.41	ng	-0.02
41) 2,4,6-Tribromophenol	13.86	330	38163	26.55	ng	-0.02
44) 2-Fluorobiphenyl	11.51	172	1034481	84.85	ng	-0.02
78) Terphenyl-d14	17.29	244	783872	75.14	ng	-0.02
Target Compounds						
19) n-Nitroso-di-n-propylamine	8.61	70	66907	13.18	ng	# 76
32) Benzoic acid	9.58	122	3558	5.87	ng	# 27
49) Dimethylphthalate	12.20	163	124288	8.63	ng	99
76) Benzidine	17.04	184	112	6.60	ng	# 62

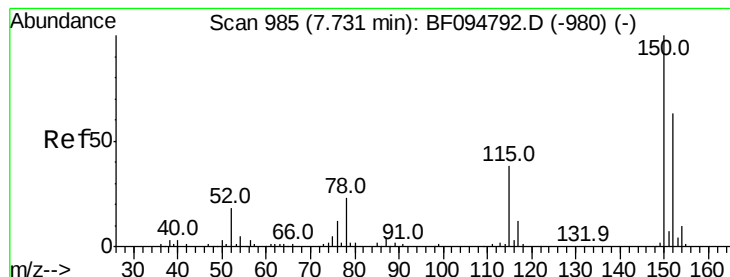
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: BF094987.D

Acq: 8 May 2017 19:00

Instrument :

BNA_F

ClientSampleId :

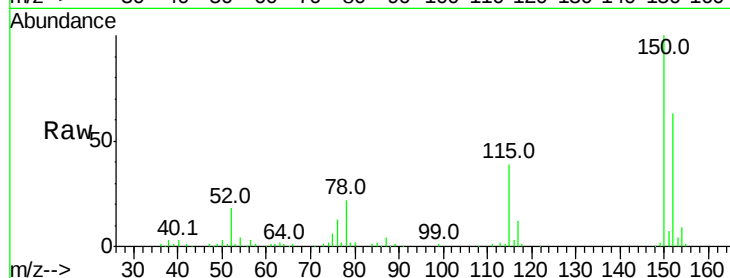
Tot Ion:152 Resp: 104270

Ion Ratio Lower Upper

152 100

150 158.8 126.2 189.2

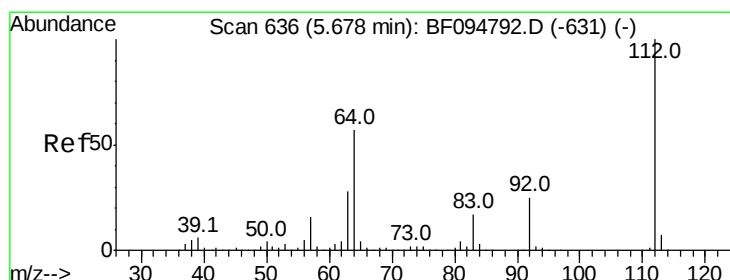
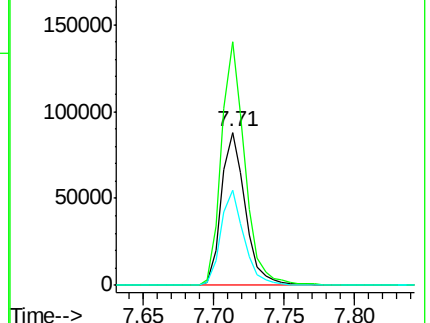
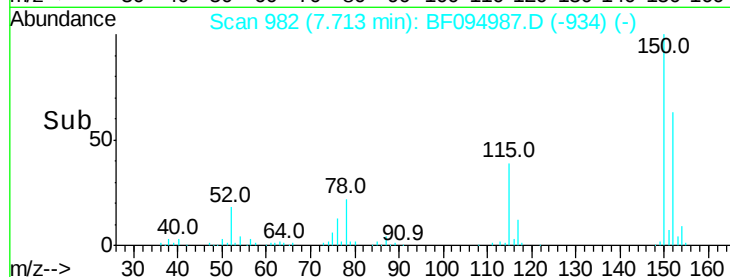
115 61.9 52.2 78.2



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



#5

2-Fluorophenol

Concen: 46.30 ng

RT: 5.66 min Scan# 633

Delta R.T. -0.02 min

Lab File: BF094987.D

Acq: 8 May 2017 19:00

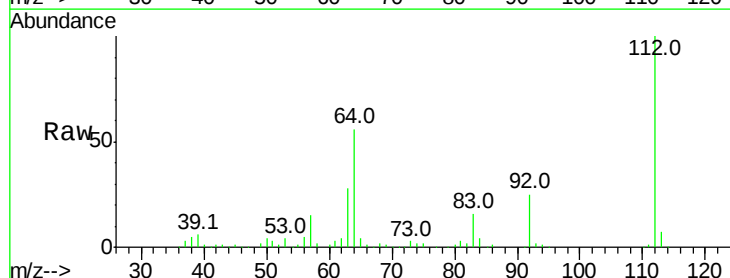
Tgt Ion:112 Resp: 289568

Ion Ratio Lower Upper

112 100

64 56.1 46.0 69.0

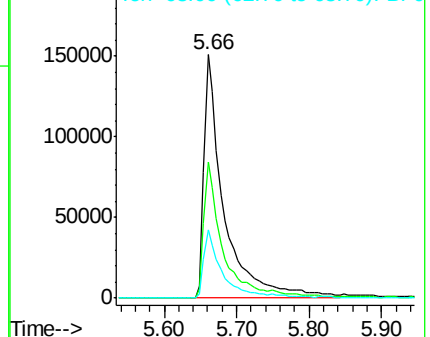
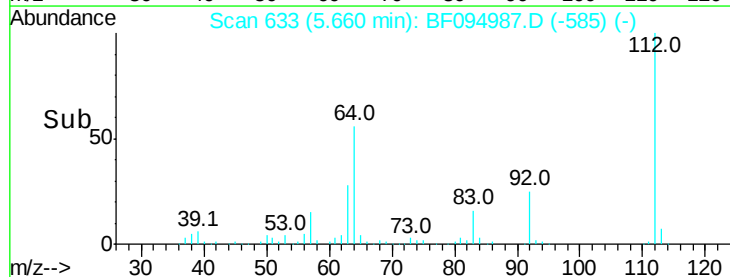
63 28.1 23.4 35.0



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: 90.42 ng

RT: 7.25 min Scan# 903

Delta R.T. -0.03 min

Lab File: BF094987.D

Acq: 8 May 2017 19:00

Instrument :

BNA_F

ClientSampleId :

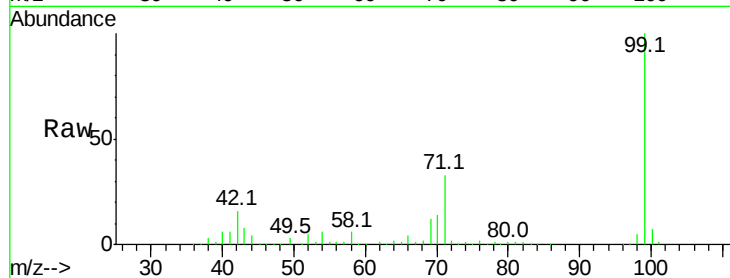
Tot Ion: 99 Resp: 678488

Ion Ratio Lower Upper

99 100

42 16.4 13.5 20.3

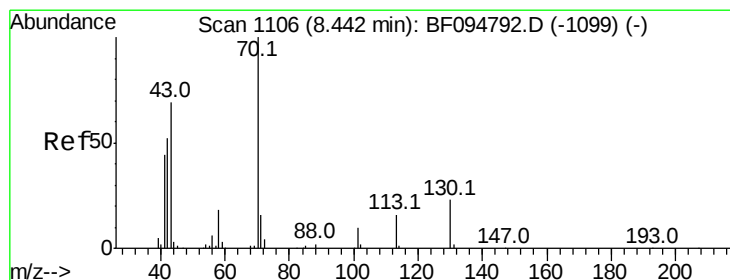
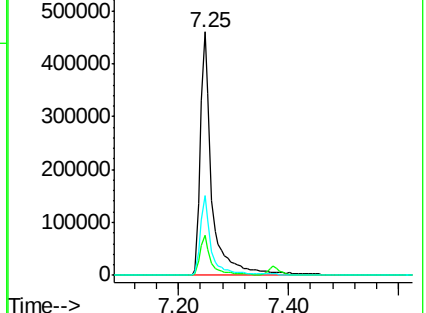
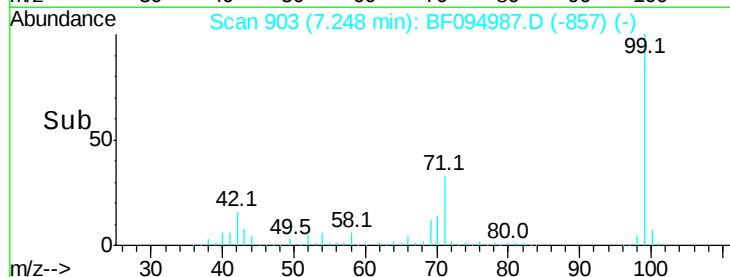
71 32.6 24.5 36.7



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: 13.18 ng

RT: 8.61 min Scan# 1135

Delta R.T. 0.17 min

Lab File: BF094987.D

Acq: 8 May 2017 19:00

Tgt Ion: 70 Resp: 66907

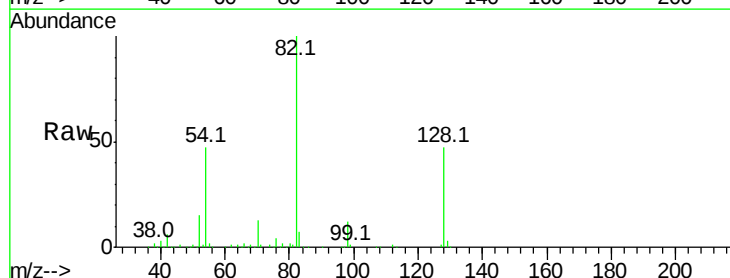
Ion Ratio Lower Upper

70 100

42 44.6 47.2 70.8#

101 0.0 7.2 10.8#

130 2.3 15.9 23.9#

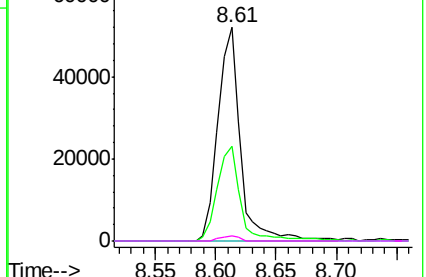
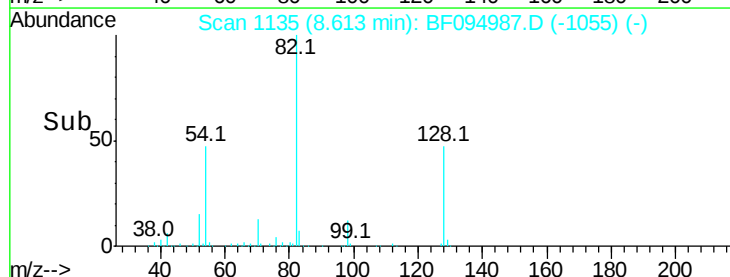


Abundance Ion 70.00 (69.70 to 70.70): BF0

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: BF094987.D

Acq: 8 May 2017 19:00

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 423379

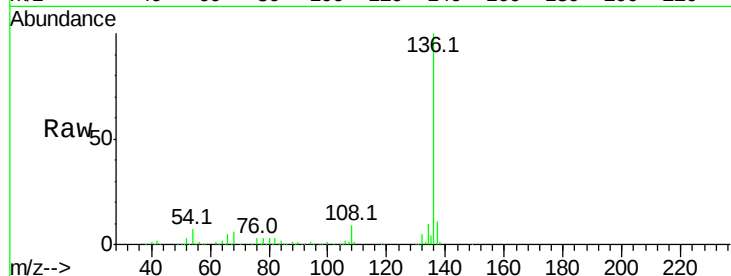
Ion Ratio Lower Upper

136 100

137 10.8 8.5 12.7

54 7.2 4.9 7.3

68 5.7 4.1 6.1

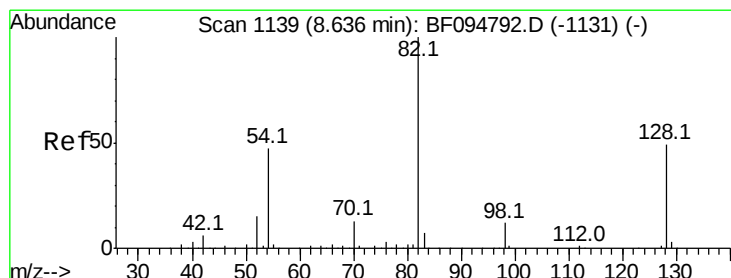
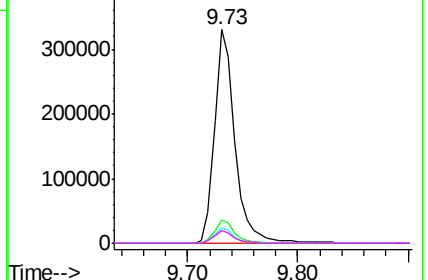
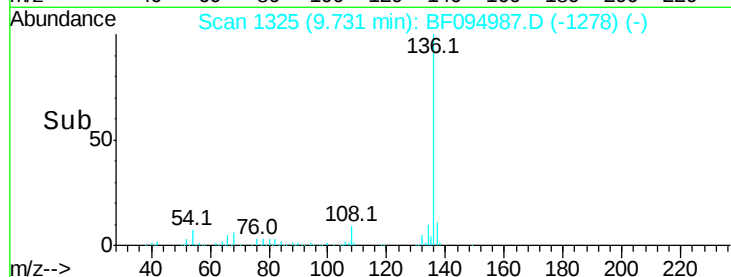


Abundance Ion 136.00 (135.70 to 136.70): E

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: 77.41 ng

RT: 8.61 min Scan# 1135

Delta R.T. -0.02 min

Lab File: BF094987.D

Acq: 8 May 2017 19:00

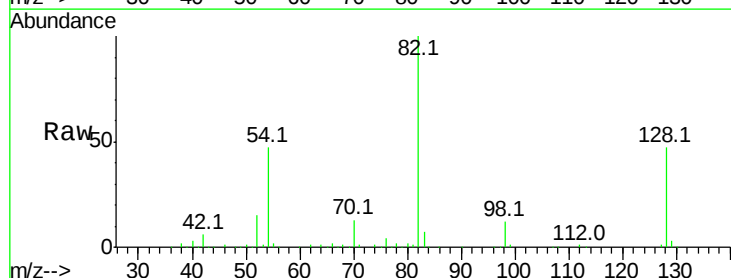
Tgt Ion: 82 Resp: 519720

Ion Ratio Lower Upper

82 100

128 47.0 34.0 51.0

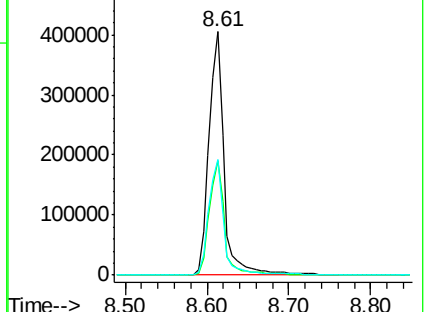
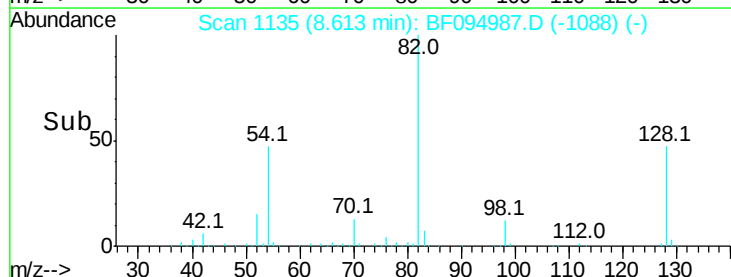
54 47.4 42.2 63.2

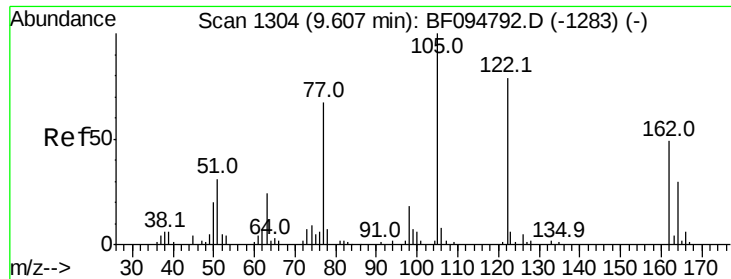


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0

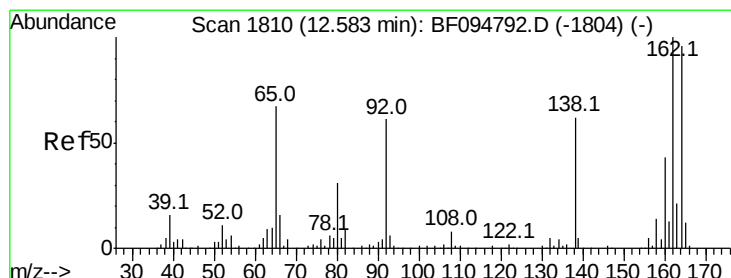
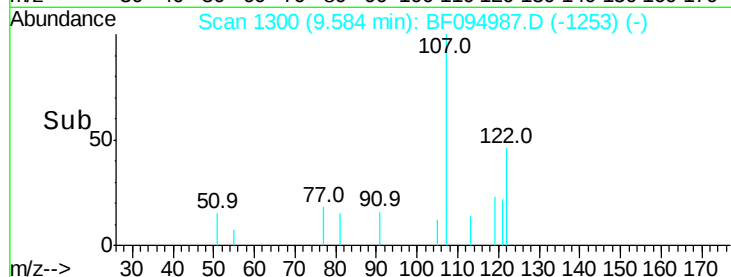
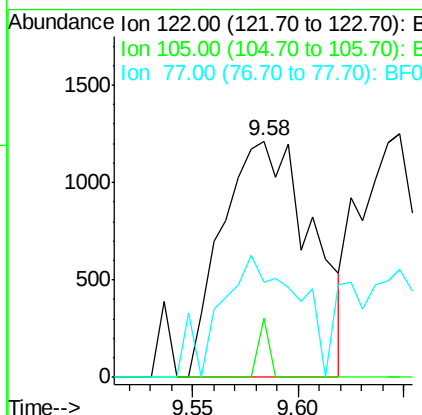
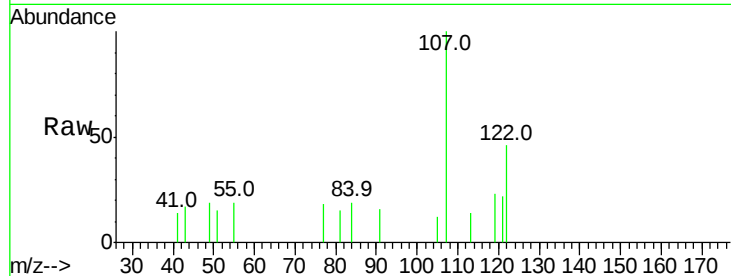




#32
Benzoic acid
Concen: 5.87 ng
RT: 9.58 min Scan# 1300
Delta R.T. -0.02 min
Lab File: BF094987.D
Acq: 8 May 2017 19:00

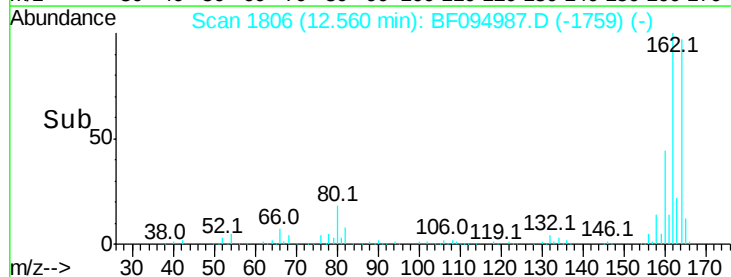
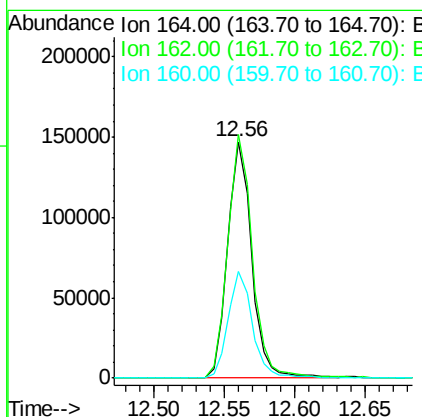
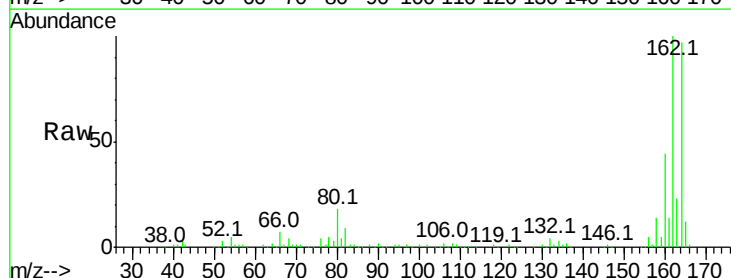
Instrument :
BNA_F
ClientSampleId :

Tot Ion:122 Resp: 3558
Ion Ratio Lower Upper
122 100
105 25.2 103.3 143.3#
77 40.2 73.7 113.7#



#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 12.56 min Scan# 1806
Delta R.T. -0.02 min
Lab File: BF094987.D
Acq: 8 May 2017 19:00

Tgt Ion:164 Resp: 175482
Ion Ratio Lower Upper
164 100
162 103.1 82.6 123.8
160 45.0 36.2 54.2

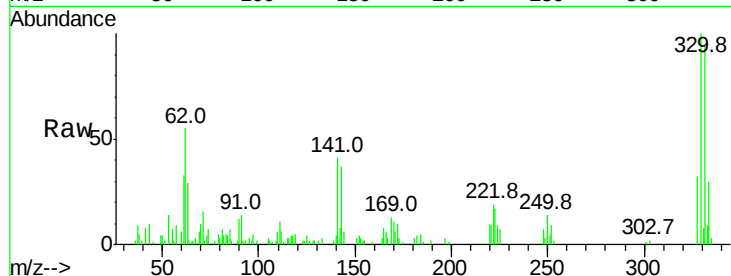




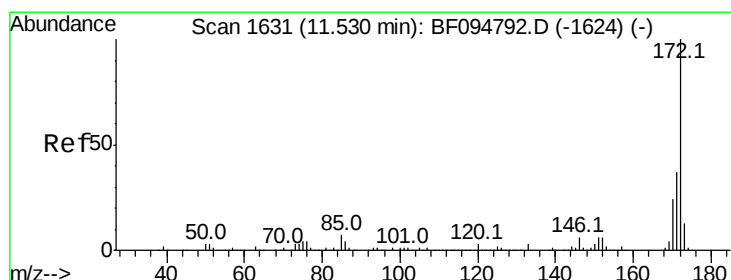
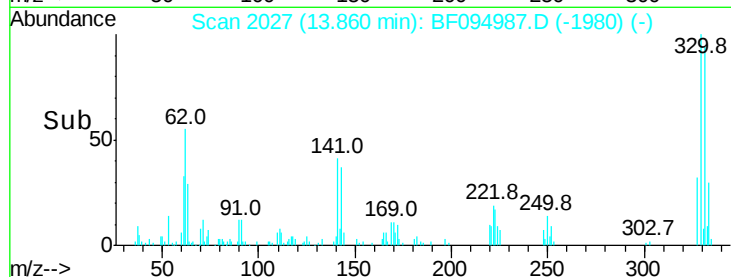
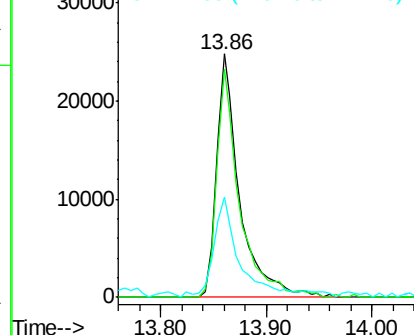
#41
 2,4,6-Tribromophenol
 Concen: 26.55 ng
 RT: 13.86 min Scan# 2027
 Delta R.T. -0.02 min
 Lab File: BF094987.D
 Acq: 8 May 2017 19:00

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:330 Resp: 38163
 Ion Ratio Lower Upper
 330 100
 332 93.3 76.6 115.0
 141 45.2 31.4 47.2

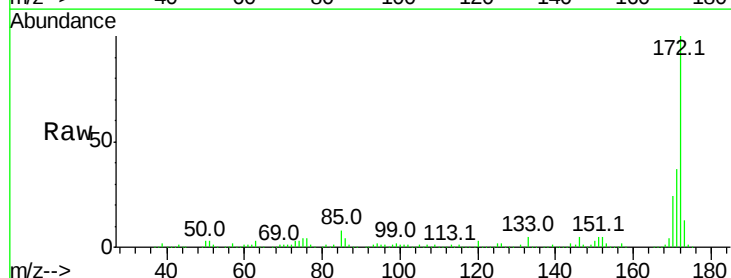


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

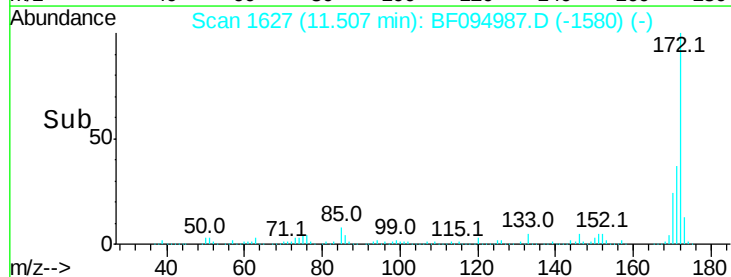
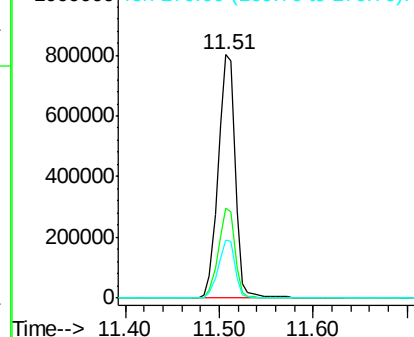


#44
 2-Fluorobiphenyl
 Concen: 84.85 ng
 RT: 11.51 min Scan# 1627
 Delta R.T. -0.02 min
 Lab File: BF094987.D
 Acq: 8 May 2017 19:00

Tgt Ion:172 Resp: 1034481
 Ion Ratio Lower Upper
 172 100
 171 37.1 29.6 44.4
 170 24.0 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: 8.63 ng

RT: 12.20 min Scan# 1744

Delta R.T. -0.04 min

Lab File: BF094987.D

Acq: 8 May 2017 19:00

Instrument :

BNA_F

ClientSampleId :

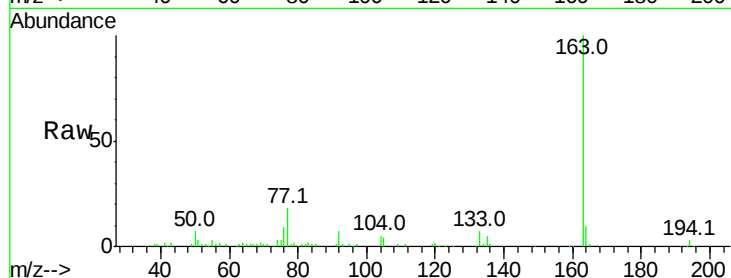
Tot Ion:163 Resp: 124288

Ion Ratio Lower Upper

163 100

194 3.4 2.6 4.0

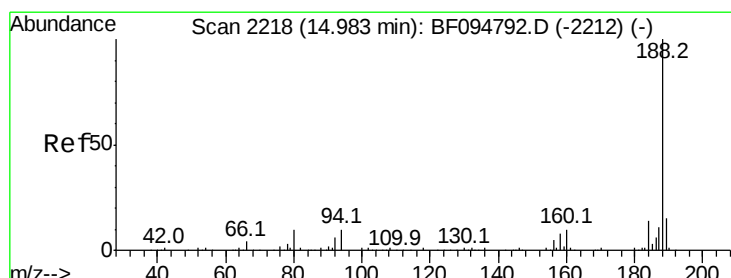
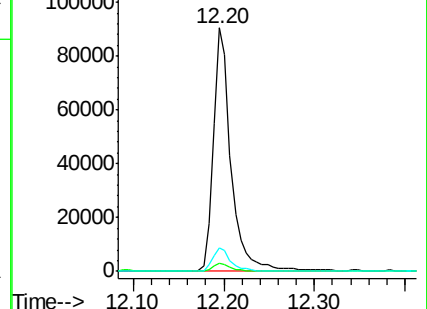
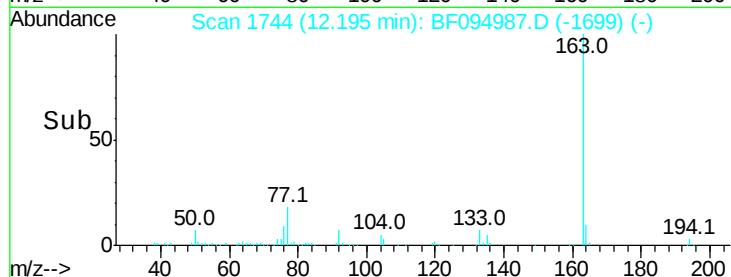
164 9.8 8.4 12.6



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: 14.97 min Scan# 2215

Delta R.T. -0.02 min

Lab File: BF094987.D

Acq: 8 May 2017 19:00

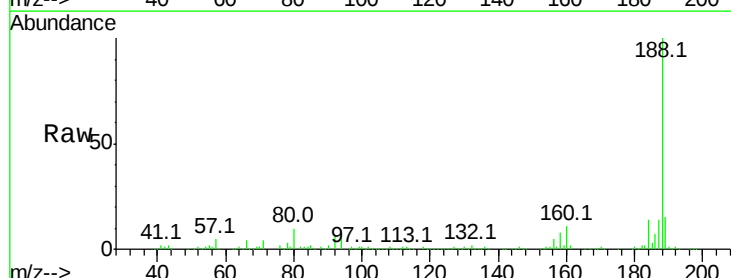
Tgt Ion:188 Resp: 340912

Ion Ratio Lower Upper

188 100

94 9.5 9.4 14.2

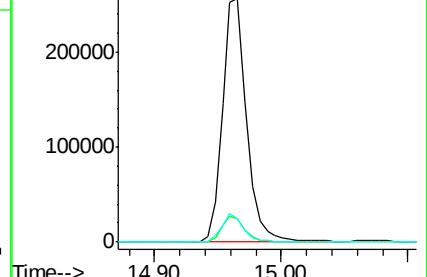
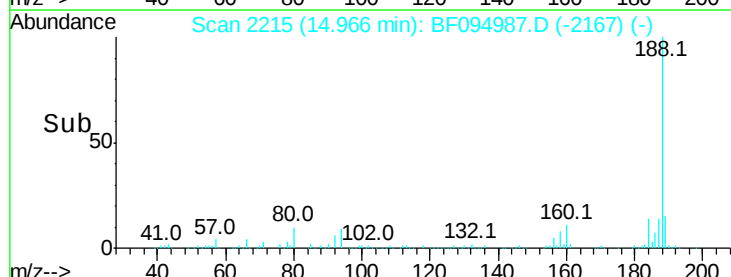
80 9.7 10.2 15.2#

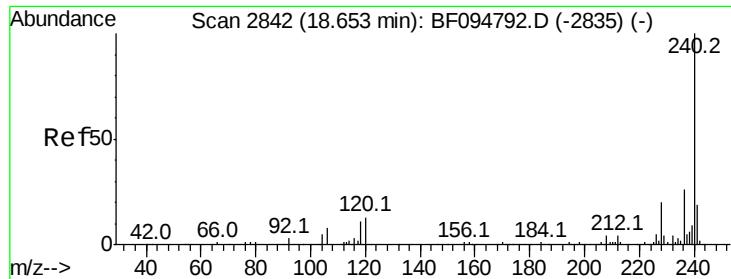


Abundance Ion 188.00 (187.70 to 188.70): E

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: BF094987.D

Acq: 8 May 2017 19:00

Instrument :

BNA_F

ClientSampleId :

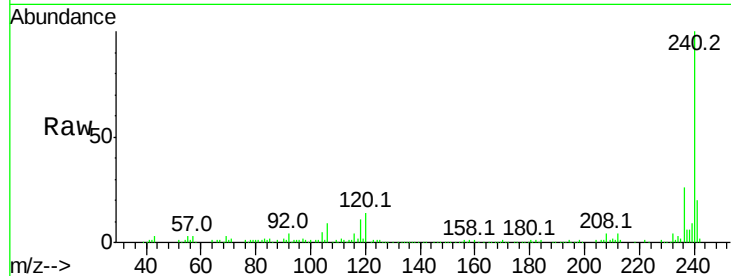
Tot Ion:240 Resp: 229771

Ion Ratio Lower Upper

240 100

120 13.5 5.8 8.8#

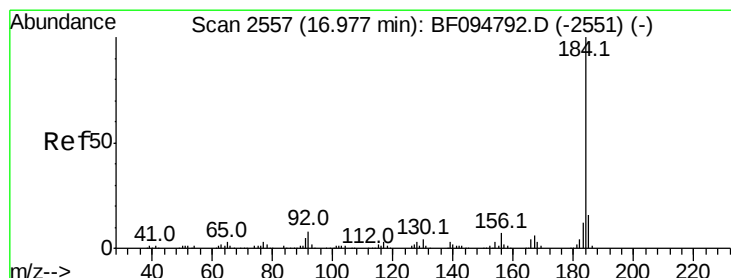
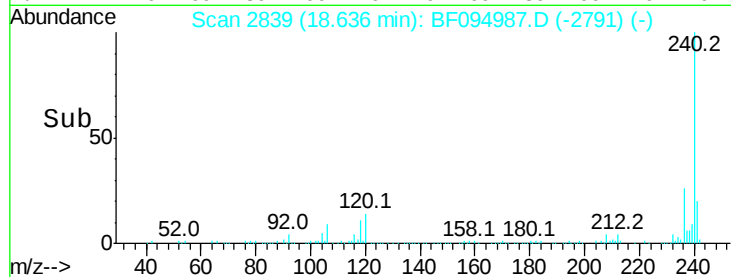
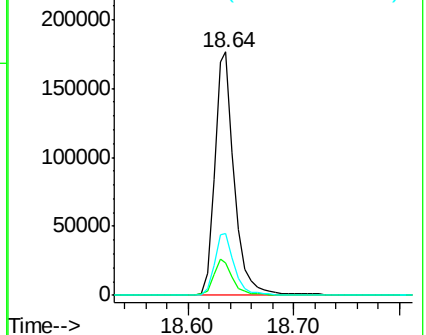
236 25.6 20.5 30.7



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: 6.60 ng

RT: 17.04 min Scan# 2567

Delta R.T. 0.06 min

Lab File: BF094987.D

Acq: 8 May 2017 19:00

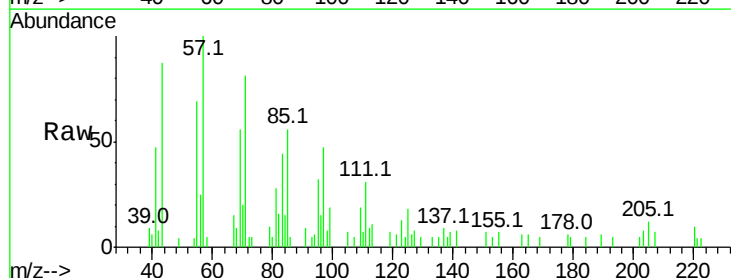
Tgt Ion:184 Resp: 112

Ion Ratio Lower Upper

184 100

185 0.0 15.5 23.3#

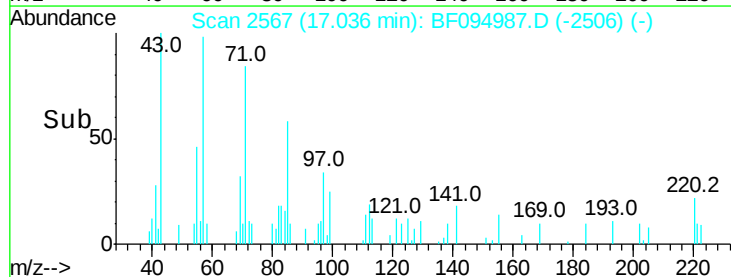
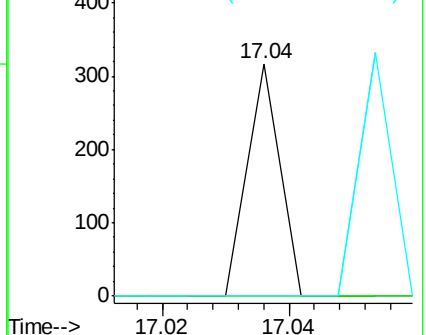
183 0.0 9.8 14.6#

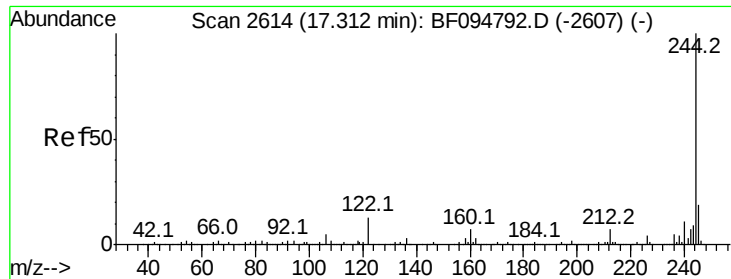


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E

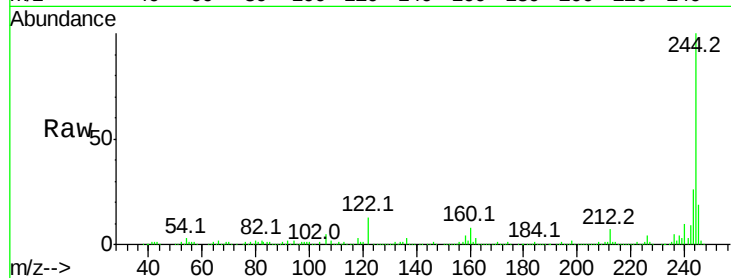




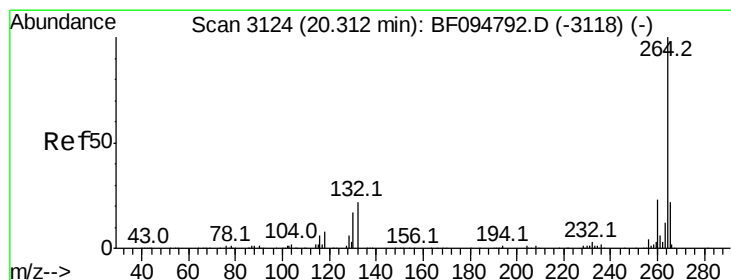
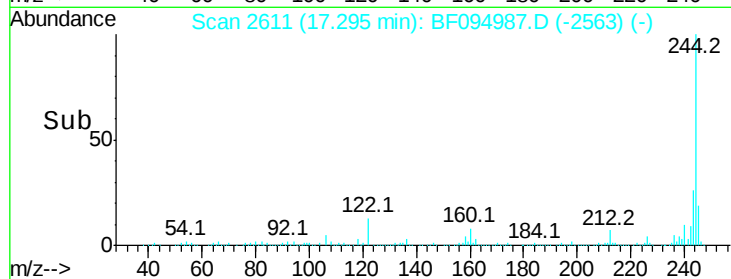
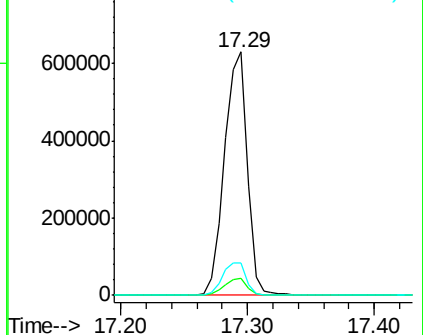
#78
 Terphenyl-d14
 Concen: 75.14 ng
 RT: 17.29 min Scan# 2611
 Delta R.T. -0.02 min
 Lab File: BF094987.D
 Acq: 8 May 2017 19:00

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:244 Resp: 783872
 Ion Ratio Lower Upper
 244 100
 212 6.9 6.0 9.0
 122 13.1 10.3 15.5

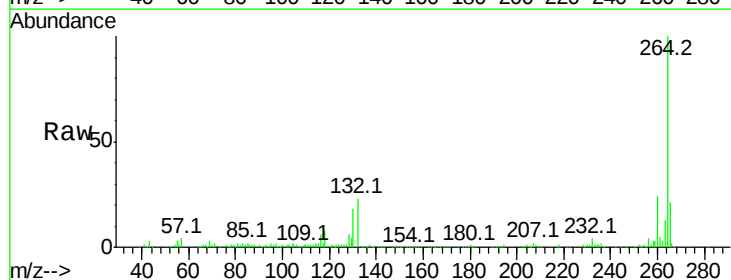


Abundance Ion 244.00 (243.70 to 244.70): E
 Ion 212.00 (211.70 to 212.70): E
 Ion 122.00 (121.70 to 122.70): E



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 20.30 min Scan# 3122
 Delta R.T. -0.01 min
 Lab File: BF094987.D
 Acq: 8 May 2017 19:00

Tgt Ion:264 Resp: 208947
 Ion Ratio Lower Upper
 264 100
 260 23.5 19.5 29.3
 265 21.4 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

