

Data Path : Z:\HPCHEM1\BNA F\DATA\BF050817\
 Data File : BF094999.D
 Acq On : 9 May 2017 1:26
 Operator : SJ/MA
 Sample : I3031-06 2X
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: May 09 07:04:12 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

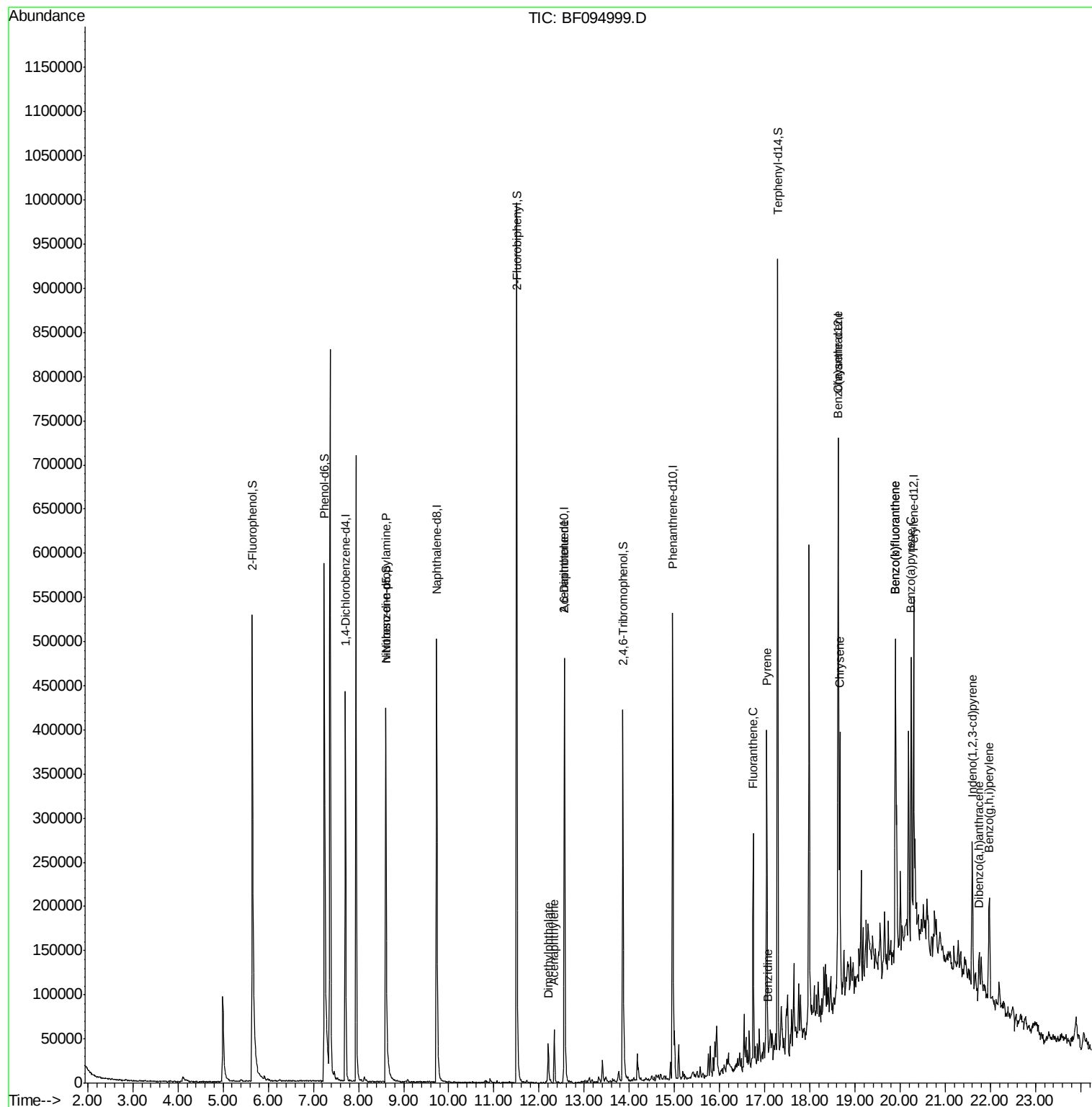
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.71	152	97384	20.00	ng	-0.02
21) Naphthalene-d8	9.73	136	378931	20.00	ng	-0.02
38) Acenaphthene-d10	12.56	164	154242	20.00	ng	-0.02
63) Phenanthrene-d10	14.96	188	271603	20.00	ng	-0.02
75) Chrysene-d12	18.63	240	207371	20.00	ng	-0.02
86) Perylene-d12	20.30	264	155512	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.65	112	344127	58.91	ng	-0.03
7) Phenol-d6	7.24	99	420680	60.02	ng	-0.04
23) Nitrobenzene-d5	8.61	82	242498	40.35	ng	-0.03
41) 2,4,6-Tribromophenol	13.86	330	77144	61.07	ng	-0.02
44) 2-Fluorobiphenyl	11.51	172	469923	43.85	ng	-0.02
78) Terphenyl-d14	17.29	244	333237	35.39	ng	-0.02
Target Compounds						Qvalue
19) n-Nitroso-di-n-propylamine	8.61	70	29721	6.27	ng	# 74
48) Acenaphthylene	12.34	152	42483	2.59	ng	99
49) Dimethylphthalate	12.20	163	35393	2.80	ng	99
50) 2,6-Dinitrotoluene	12.56	165	14708	5.69	ng	# 31
74) Fluoranthene	16.74	202	130832	8.17	ng	99
76) Benzidine	17.08	184	135	6.61	ng	# 62
77) Pyrene	17.04	202	162899	10.50	ng	96
80) Benzo(a)anthracene	18.62	228	140876	11.67	ng	94
82) Chrysene	18.67	228	149819	12.84	ng	98
85) Indeno(1,2,3-cd)pyrene	21.59	276	88966	9.39	ng	94
87) Benzo(b)fluoranthene	19.89	252	250405	26.06	ng	# 96
88) Benzo(k)fluoranthene	19.89	252	250405	27.01	ng	98
89) Benzo(a)pyrene	20.25	252	141076	15.91	ng	99
90) Dibenzo(a,h)anthracene	21.75	278	22390	3.06	ng	95
91) Benzo(a,h,i)perylene	21.98	276	87522	12.18	ng	97

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

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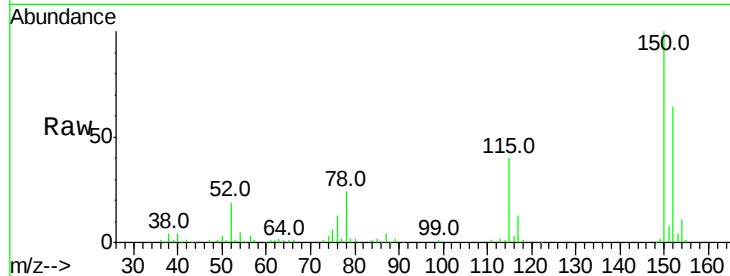


#1

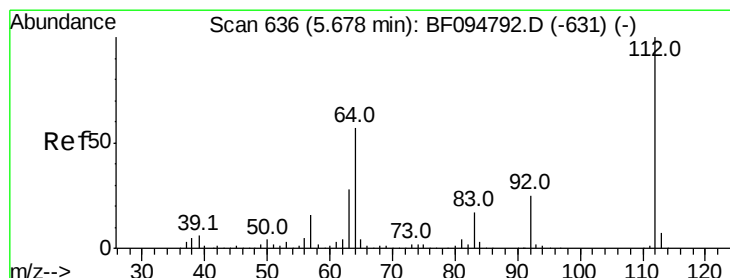
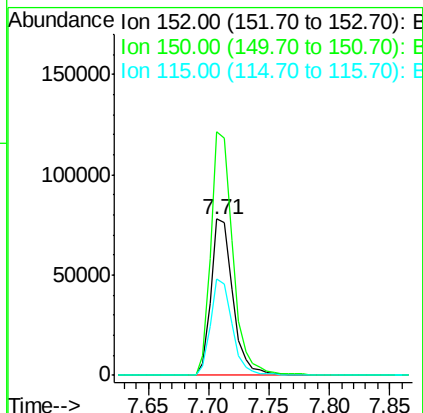
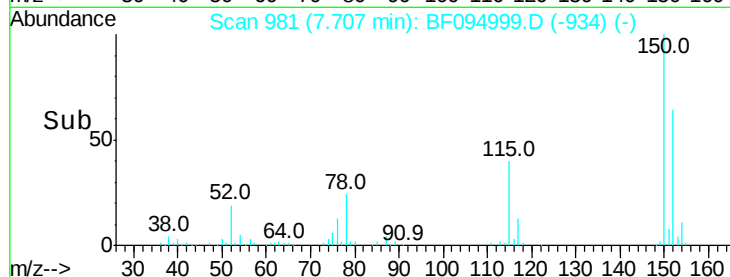
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.71 min Scan# 981
Delta R.T. -0.02 min
Lab File: BF094999.D
Acq: 9 May 2017 1:26

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 97384
Ion Ratio Lower Upper
152 100
150 155.9 126.2 189.2
115 62.0 52.2 78.2



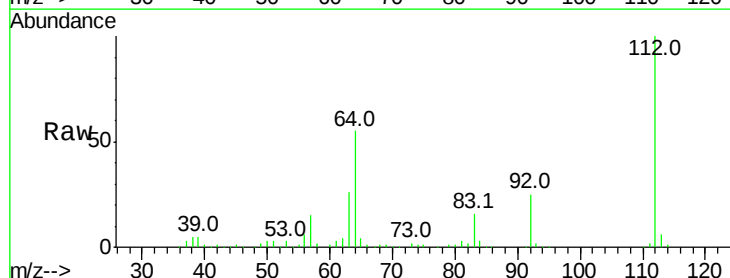
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



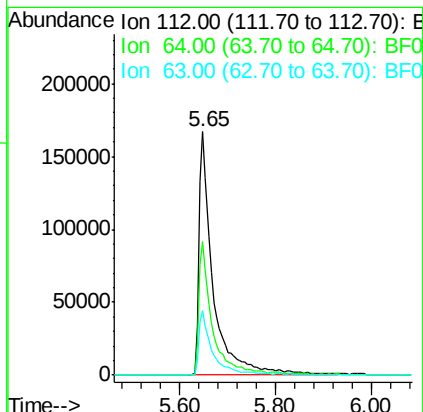
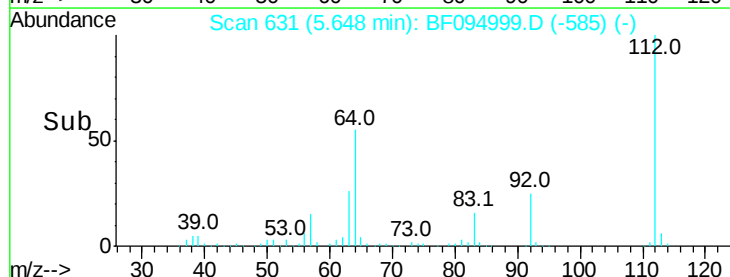
#5

2-Fluorophenol
Concen: 58.91 ng
RT: 5.65 min Scan# 631
Delta R.T. -0.03 min
Lab File: BF094999.D
Acq: 9 May 2017 1:26

Tgt Ion:112 Resp: 344127
Ion Ratio Lower Upper
112 100
64 55.0 46.0 69.0
63 26.4 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: 60.02 ng

RT: 7.24 min Scan# 902

Delta R.T. -0.04 min

Lab File: BF094999.D

Acq: 9 May 2017 1:26

Instrument :

BNA_F

ClientSampleId :

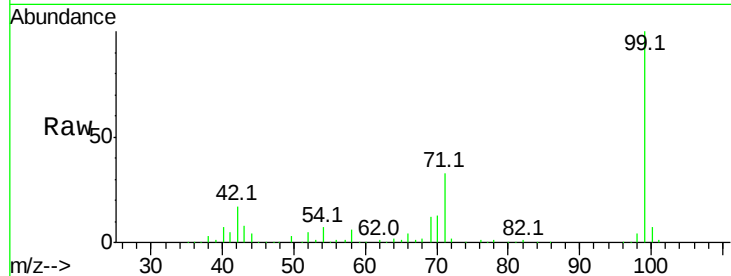
Tot Ion: 99 Resp: 420680

Ion Ratio Lower Upper

99 100

42 17.0 13.5 20.3

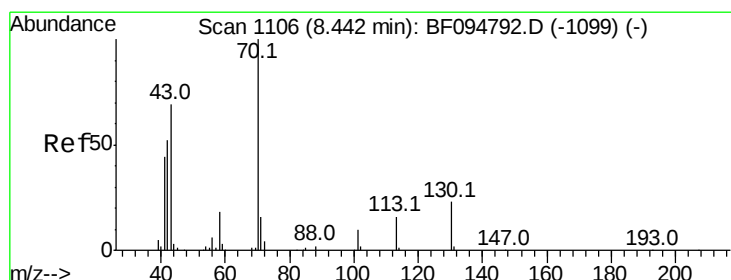
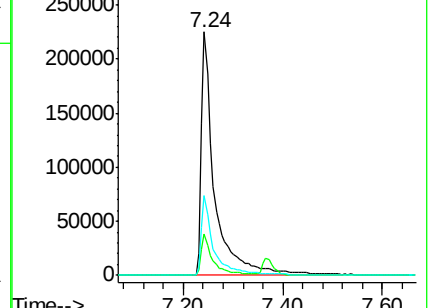
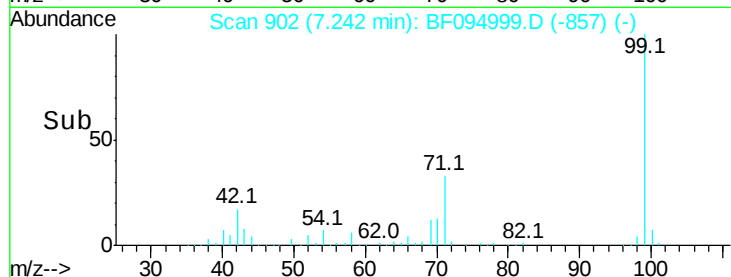
71 32.8 24.5 36.7



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: 6.27 ng

RT: 8.61 min Scan# 1134

Delta R.T. 0.16 min

Lab File: BF094999.D

Acq: 9 May 2017 1:26

Tgt Ion: 70 Resp: 29721

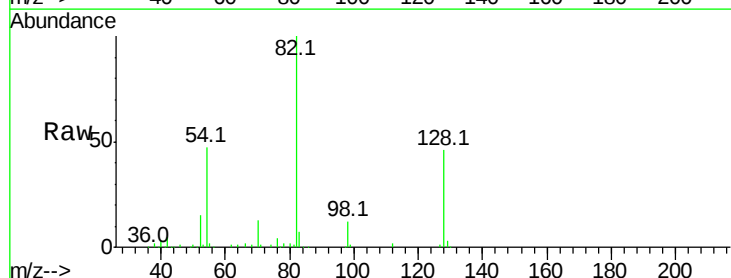
Ion Ratio Lower Upper

70 100

42 42.1 47.2 70.8#

101 0.0 7.2 10.8#

130 2.4 15.9 23.9#

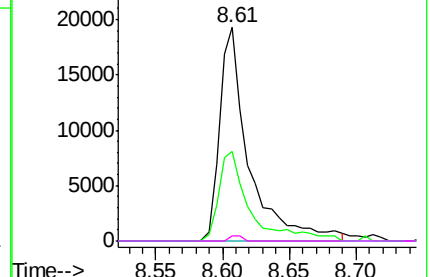
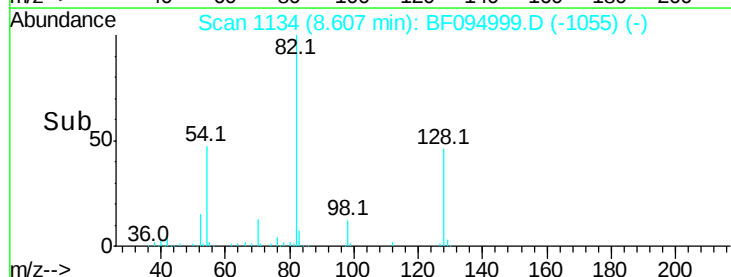


Abundance Ion 70.00 (69.70 to 70.70): BF0

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: BF094999.D

Acq: 9 May 2017 1:26

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 378931

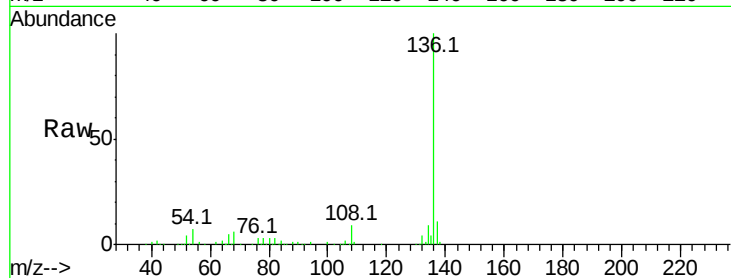
Ion Ratio Lower Upper

136 100

137 11.2 8.5 12.7

54 7.1 4.9 7.3

68 5.8 4.1 6.1

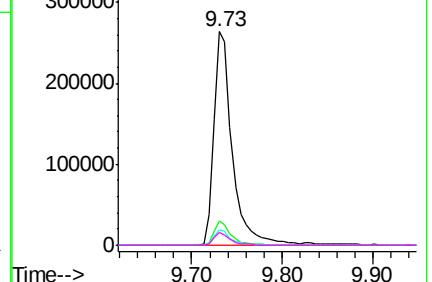
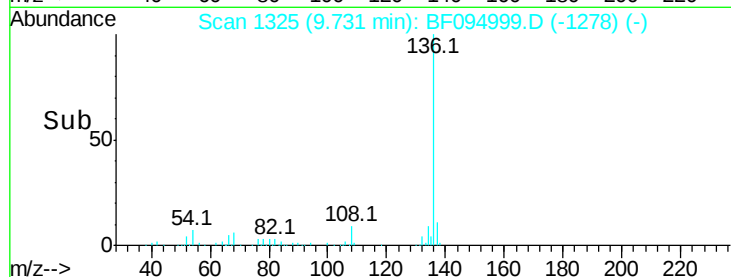


Abundance Ion 136.00 (135.70 to 136.70): E

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: 40.35 ng

RT: 8.61 min Scan# 1134

Delta R.T. -0.03 min

Lab File: BF094999.D

Acq: 9 May 2017 1:26

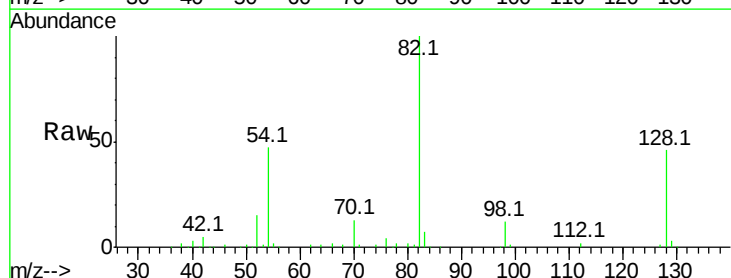
Tgt Ion: 82 Resp: 242498

Ion Ratio Lower Upper

82 100

128 46.1 34.0 51.0

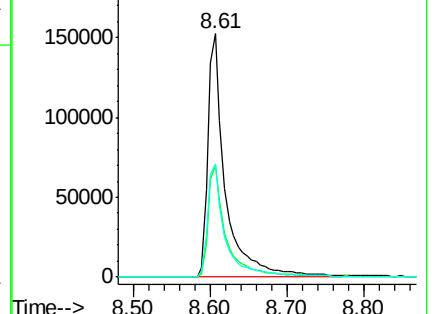
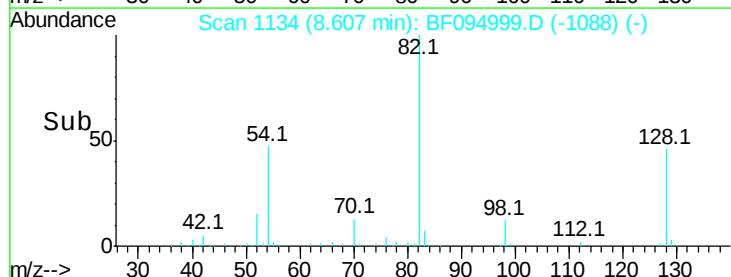
54 46.6 42.2 63.2



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: 12.56 min Scan# 1806

Delta R.T. -0.02 min

Lab File: BF094999.D

Acq: 9 May 2017 1:26

Instrument :

BNA_F

ClientSampleId :

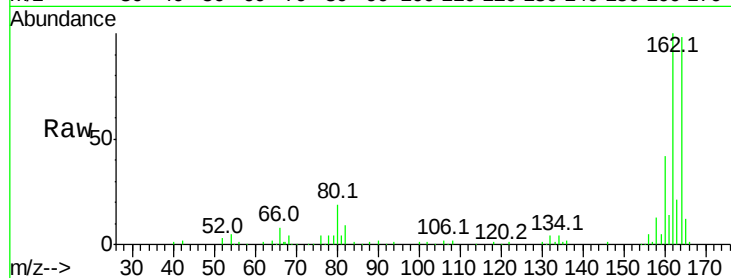
Tot Ion:164 Resp: 154242

Ion Ratio Lower Upper

164 100

162 102.3 82.6 123.8

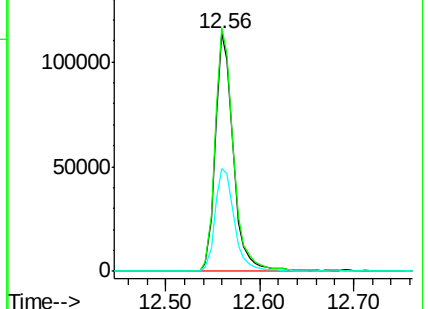
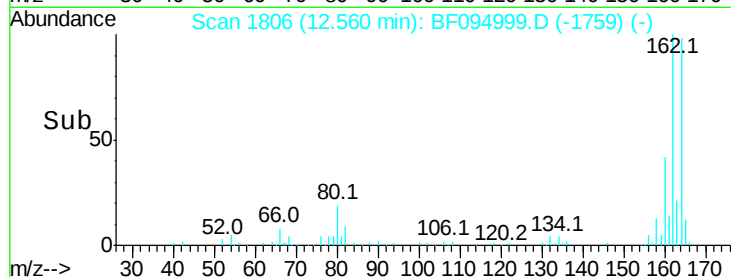
160 43.2 36.2 54.2



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: 61.07 ng

RT: 13.86 min Scan# 2027

Delta R.T. -0.02 min

Lab File: BF094999.D

Acq: 9 May 2017 1:26

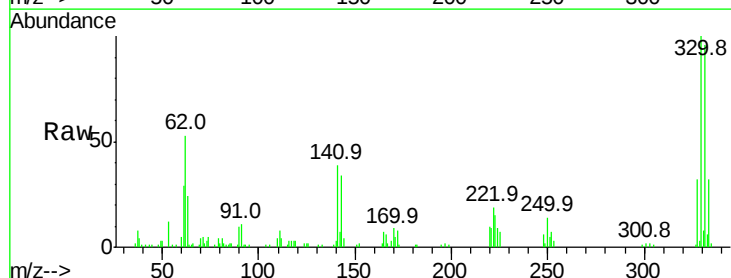
Tgt Ion:330 Resp: 77144

Ion Ratio Lower Upper

330 100

332 94.4 76.6 115.0

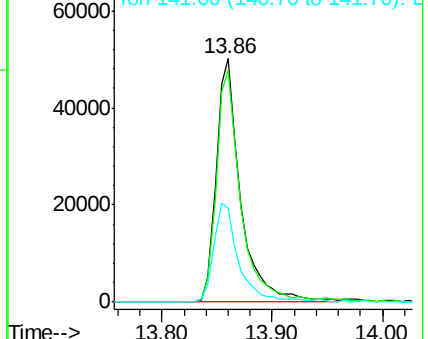
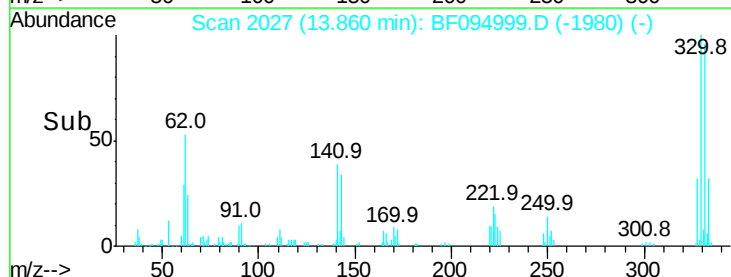
141 41.7 31.4 47.2

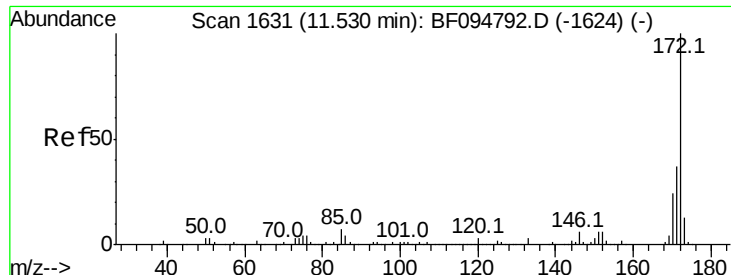


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

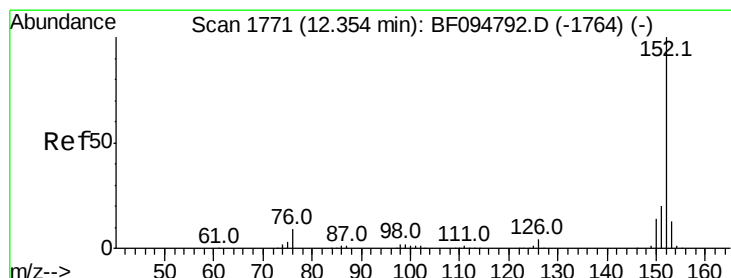
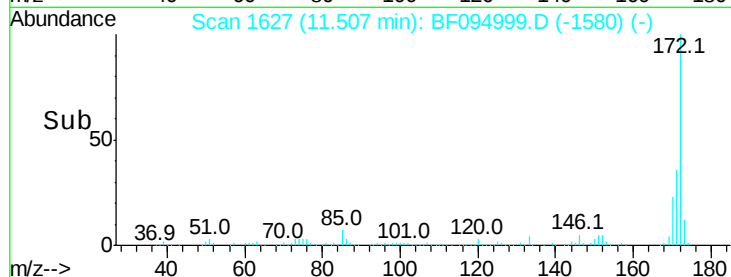
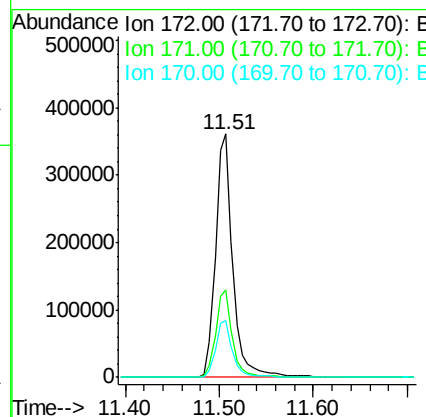
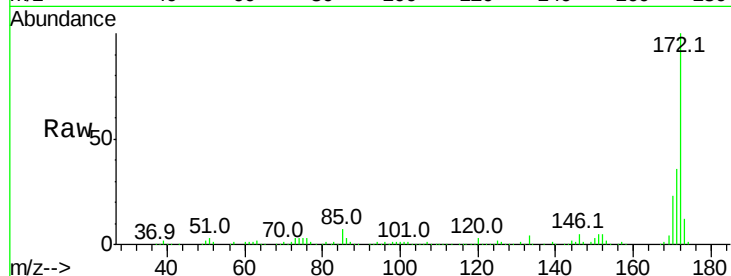




#44
 2-Fluorobiphenyl
 Concen: 43.85 ng
 RT: 11.51 min Scan# 1627
 Delta R.T. -0.02 min
 Lab File: BF094999.D
 Acq: 9 May 2017 1:26

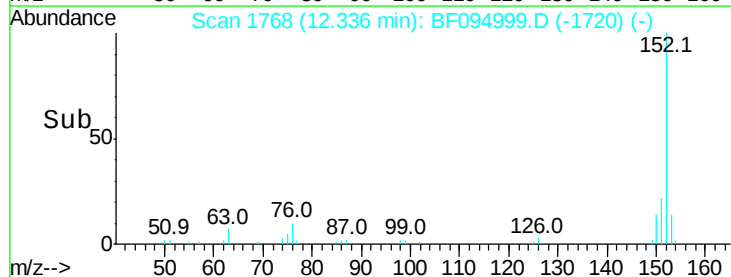
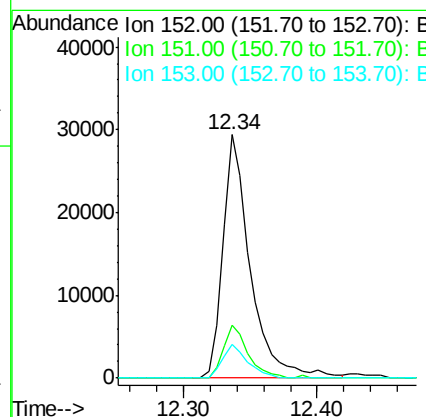
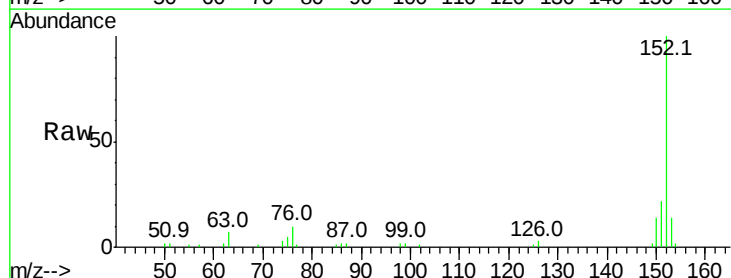
Instrument :
 BNA_F
 ClientSampled :

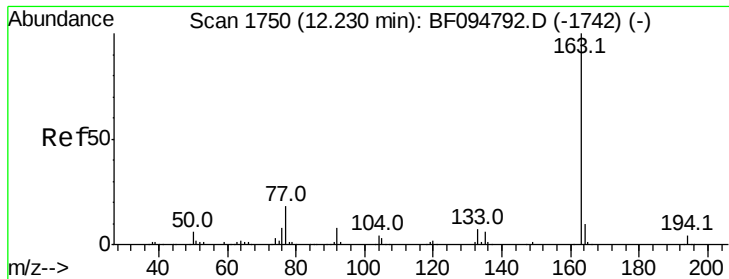
Tot Ion:172 Resp: 469923
 Ion Ratio Lower Upper
 172 100
 171 35.7 29.6 44.4
 170 23.2 19.8 29.8



#48
 Acenaphthylene
 Concen: 2.59 ng
 RT: 12.34 min Scan# 1768
 Delta R.T. -0.02 min
 Lab File: BF094999.D
 Acq: 9 May 2017 1:26

Tgt Ion:152 Resp: 42483
 Ion Ratio Lower Upper
 152 100
 151 22.0 16.8 25.2
 153 13.7 10.8 16.2

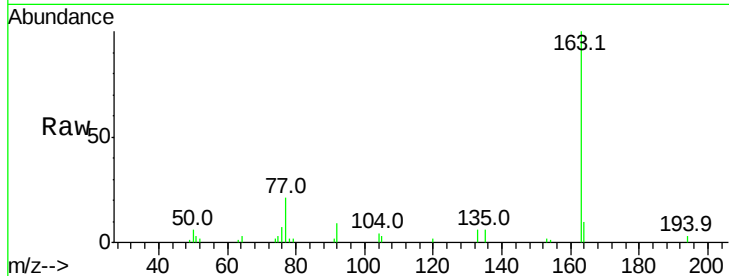




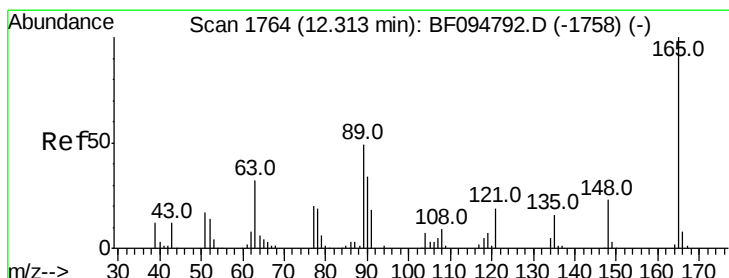
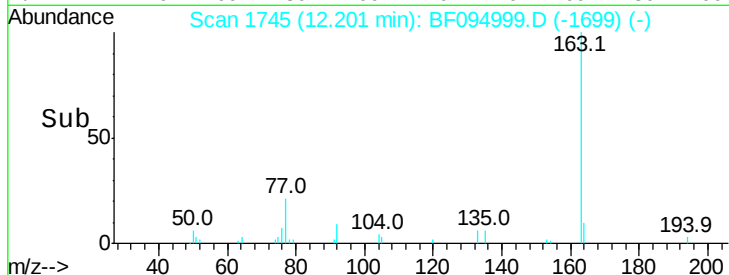
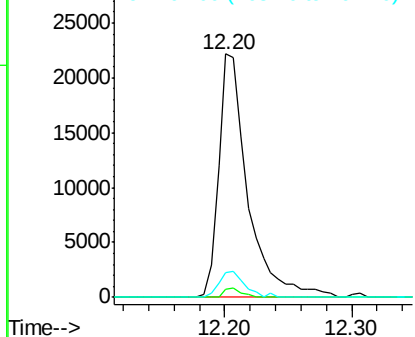
#49
Dimethylphthalate
Concen: 2.80 ng
RT: 12.20 min Scan# 1745
Delta R.T. -0.03 min
Lab File: BF094999.D
Acq: 9 May 2017 1:26

Instrument :
BNA_F
ClientSampleId :

Tot Ion:163 Resp: 35393
Ion Ratio Lower Upper
163 100
194 3.5 2.6 4.0
164 10.0 8.4 12.6

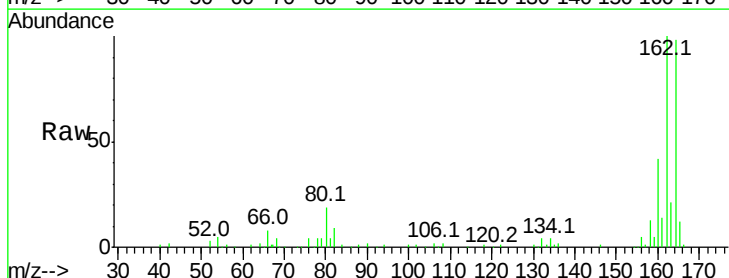


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

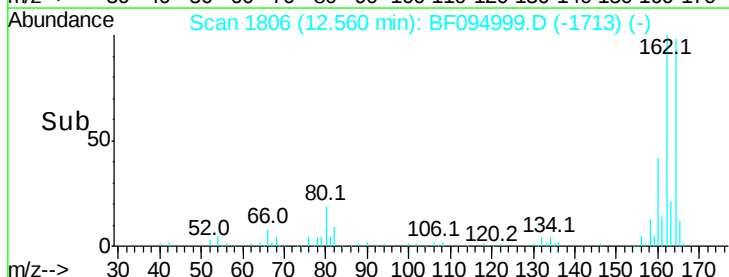
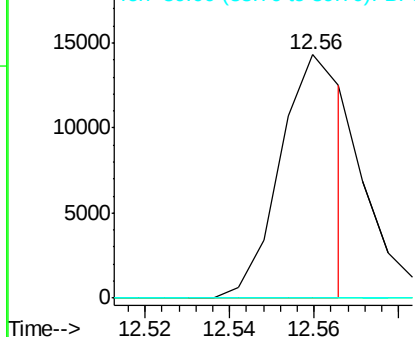


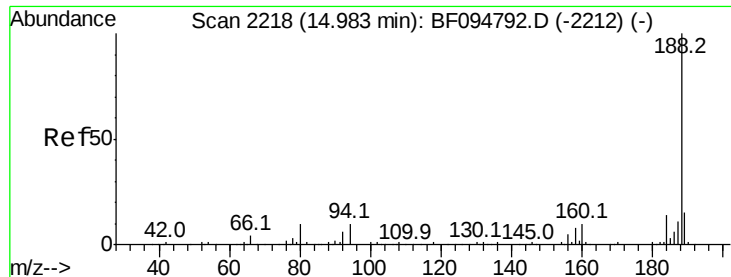
#50
2,6-Dinitrotoluene
Concen: 5.69 ng
RT: 12.56 min Scan# 1806
Delta R.T. 0.25 min
Lab File: BF094999.D
Acq: 9 May 2017 1:26

Tgt Ion:165 Resp: 14708
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

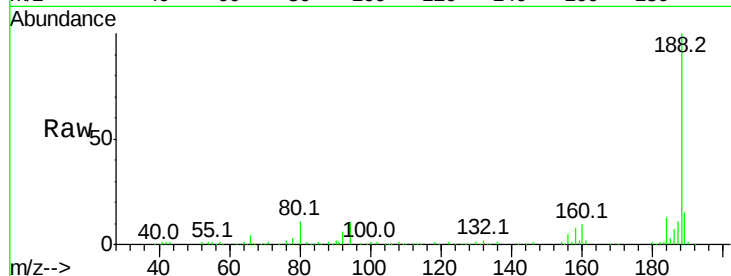




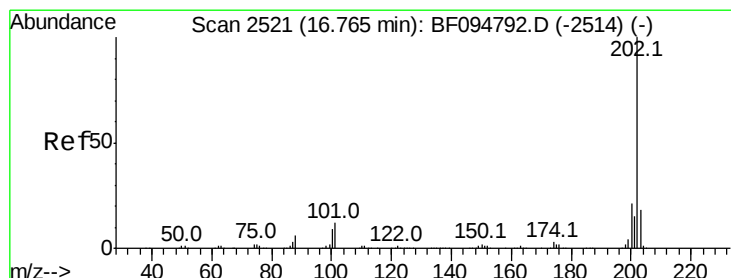
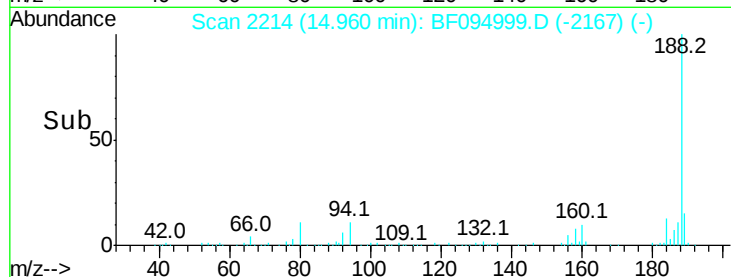
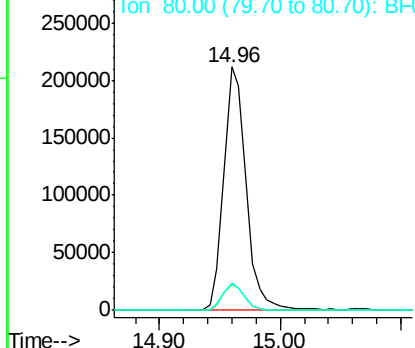
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 14.96 min Scan# 2214
Delta R.T. -0.02 min
Lab File: BF094999.D
Acq: 9 May 2017 1:26

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
188	100		
94	10.6	9.4	14.2
80	11.1	10.2	15.2

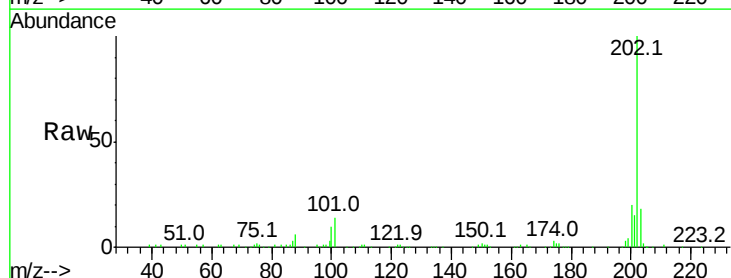


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

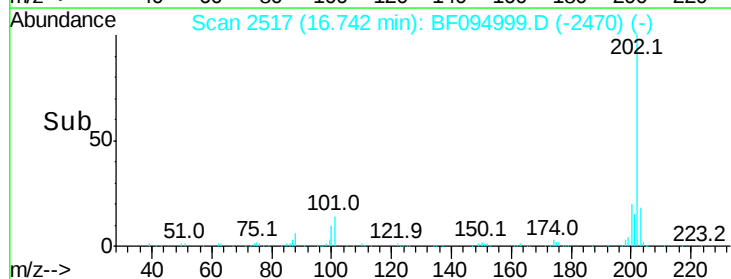
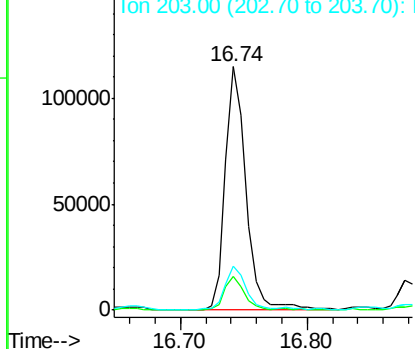


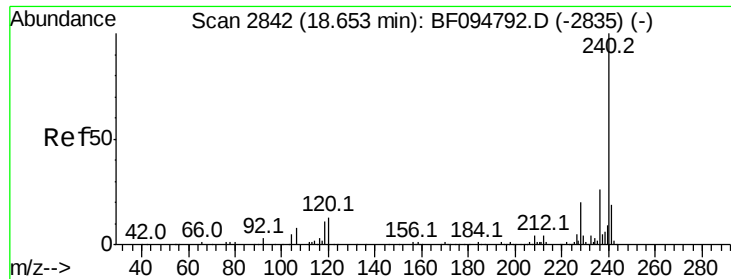
#74
Fluoranthene
Concen: 8.17 ng
RT: 16.74 min Scan# 2517
Delta R.T. -0.02 min
Lab File: BF094999.D
Acq: 9 May 2017 1:26

Tgt Ion	Ratio	Lower	Upper
202	100		
101	13.7	0.0	33.2
203	18.0	0.0	38.1



Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 203.00 (202.70 to 203.70): E





#75

Chrysene-d12

Concen: 20.00 ng

RT: 18.63 min Scan# 2838

Delta R.T. -0.02 min

Lab File: BF094999.D

Acq: 9 May 2017 1:26

Instrument :

BNA_F

ClientSampleId :

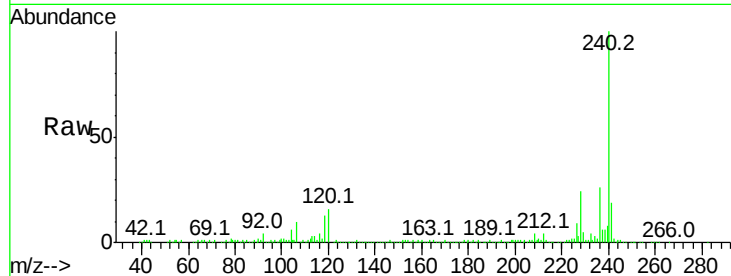
Tot Ion:240 Resp: 207371

Ion Ratio Lower Upper

240 100

120 15.7 5.8 8.8#

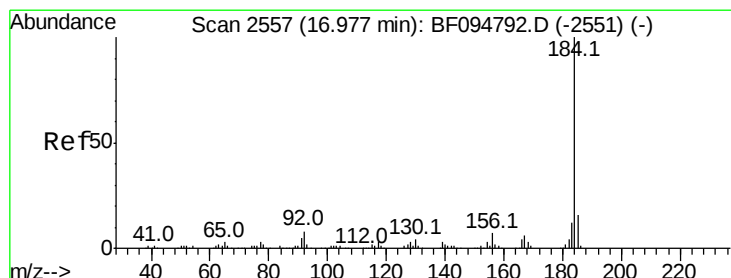
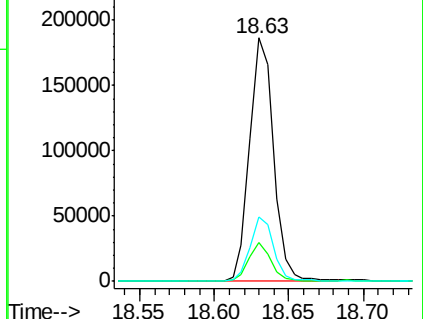
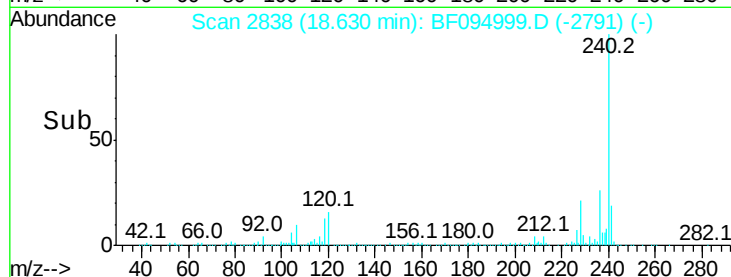
236 26.2 20.5 30.7



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: 6.61 ng

RT: 17.08 min Scan# 2574

Delta R.T. 0.10 min

Lab File: BF094999.D

Acq: 9 May 2017 1:26

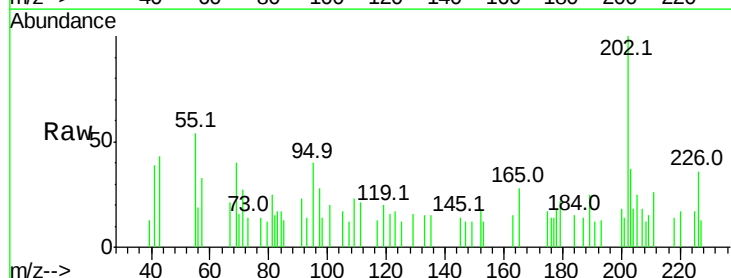
Tgt Ion:184 Resp: 135

Ion Ratio Lower Upper

184 100

185 0.0 15.5 23.3#

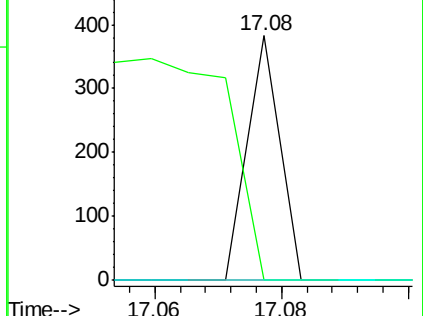
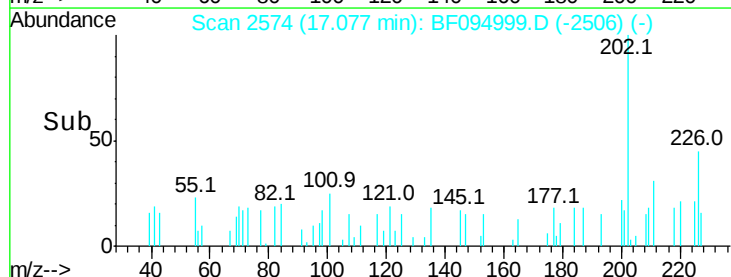
183 0.0 9.8 14.6#

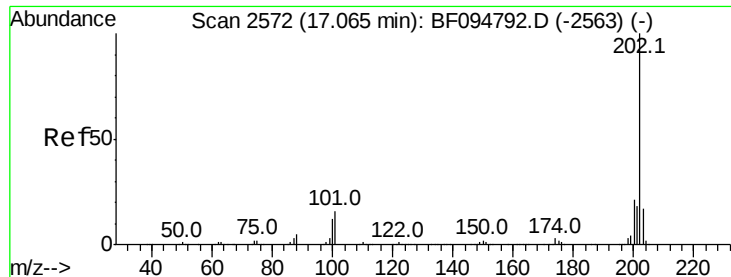


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#77

Pvrene

Concen: 10.50 ng

RT: 17.04 min Scan# 2568

Delta R.T. -0.02 min

Lab File: BF094999.D

Acq: 9 May 2017 1:26

Instrument :

BNA_F

ClientSampleId :

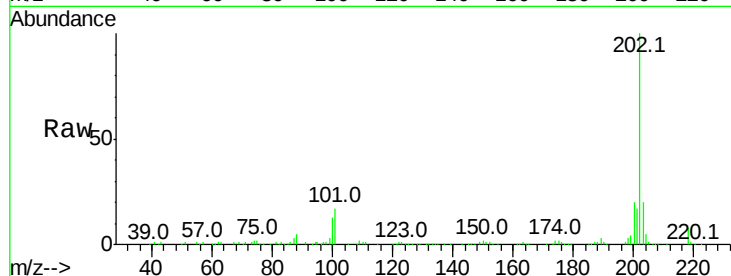
Tot Ion:202 Resp: 162899

Ion Ratio Lower Upper

202 100

200 19.7 17.6 26.4

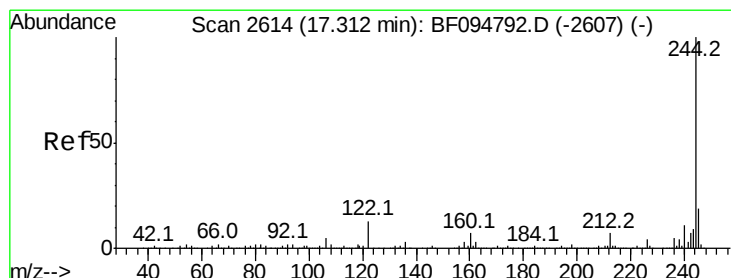
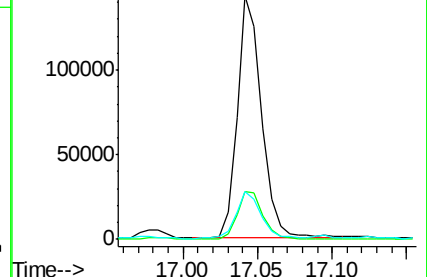
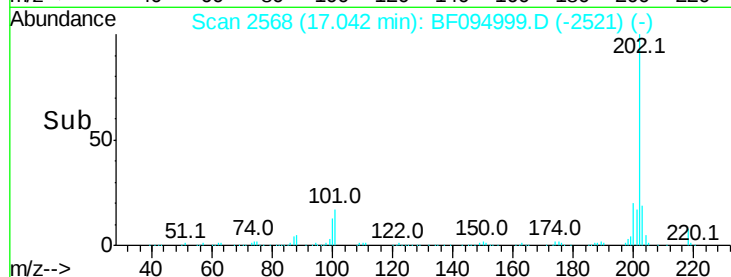
203 19.5 14.4 21.6



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E



#78

Terphenyl-d14

Concen: 35.39 ng

RT: 17.29 min Scan# 2610

Delta R.T. -0.02 min

Lab File: BF094999.D

Acq: 9 May 2017 1:26

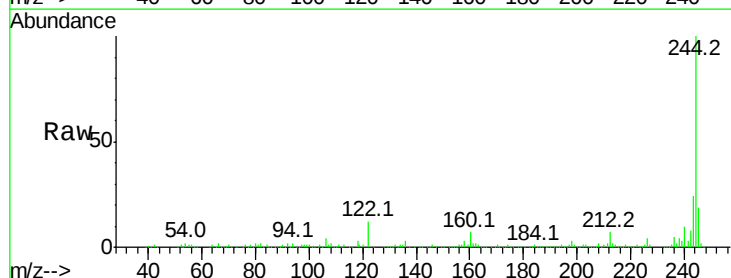
Tgt Ion:244 Resp: 333237

Ion Ratio Lower Upper

244 100

212 6.9 6.0 9.0

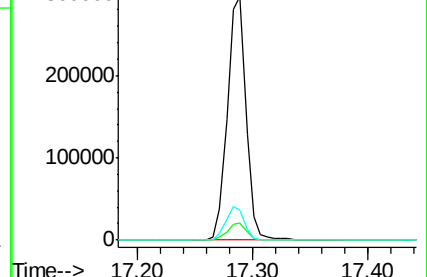
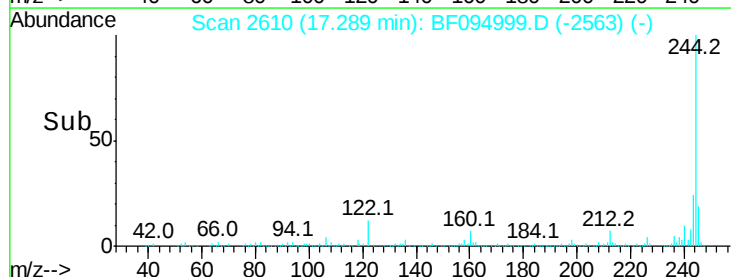
122 12.4 10.3 15.5

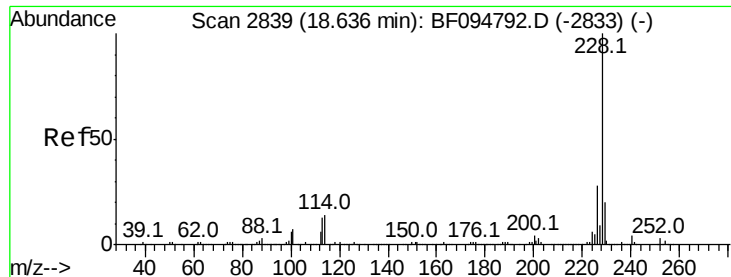


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#80

Benzo(a)anthracene

Concen: 11.67 ng

RT: 18.62 min Scan# 2836

Delta R.T. -0.02 min

Lab File: BF094999.D

Acq: 9 May 2017 1:26

Instrument :

BNA_F

ClientSampleId :

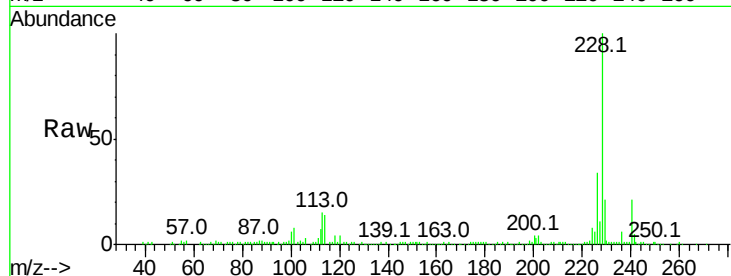
Tot Ion:228 Resp: 140876

Ion Ratio Lower Upper

228 100

226 33.6 22.6 33.8

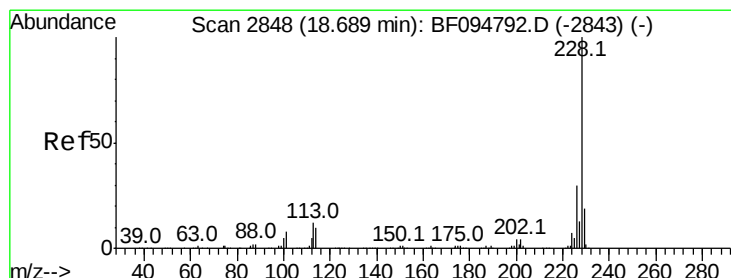
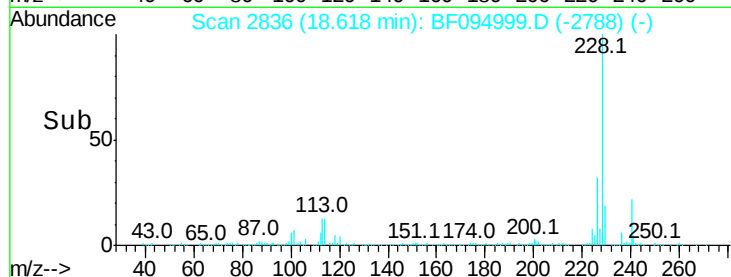
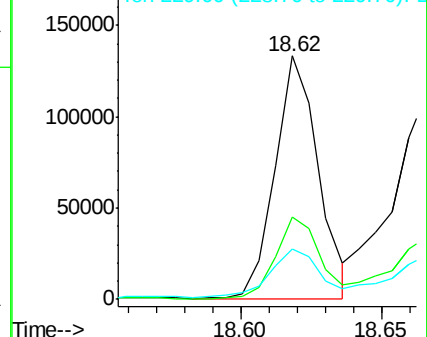
229 20.8 16.3 24.5



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#82

Chrysene

Concen: 12.84 ng

RT: 18.67 min Scan# 2844

Delta R.T. -0.02 min

Lab File: BF094999.D

Acq: 9 May 2017 1:26

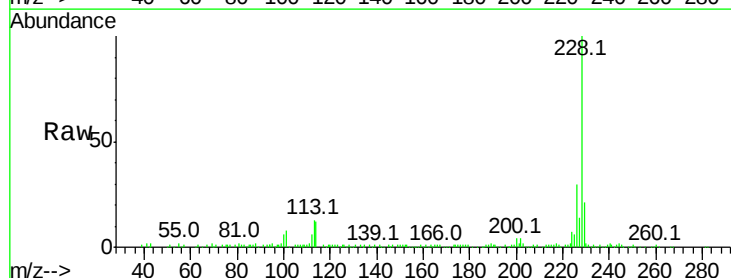
Tgt Ion:228 Resp: 149819

Ion Ratio Lower Upper

228 100

226 30.2 24.9 37.3

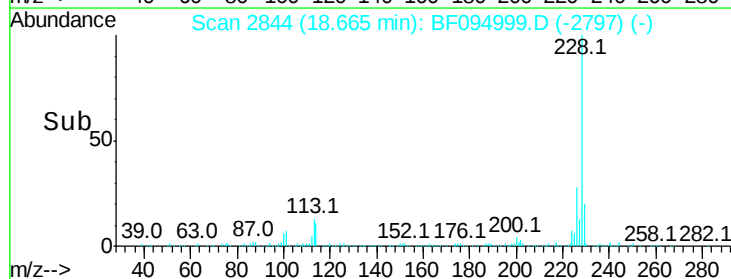
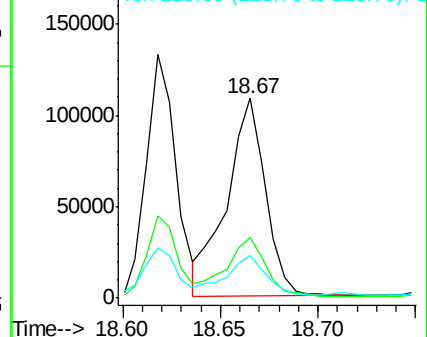
229 21.3 15.8 23.6

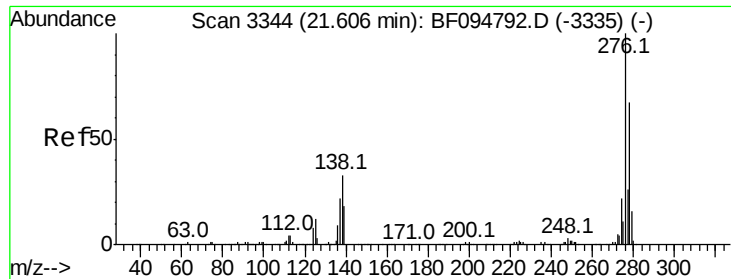


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#85

Indeno(1,2,3-cd)pyrene

Concen: 9.39 ng

RT: 21.59 min Scan# 3342

Delta R.T. -0.01 min

Lab File: BF094999.D

Acq: 9 May 2017 1:26

Instrument :

BNA_F

ClientSampleId :

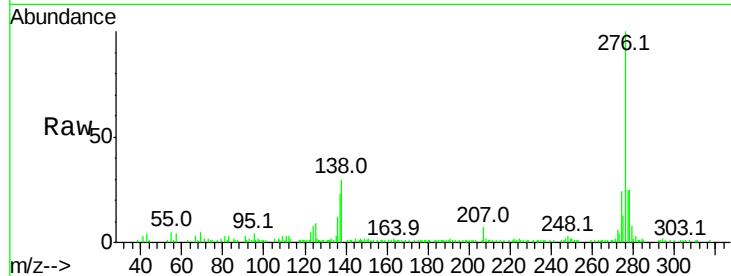
Tot Ion:276 Resp: 88966

Ion Ratio Lower Upper

276 100

138 28.9 27.8 41.6

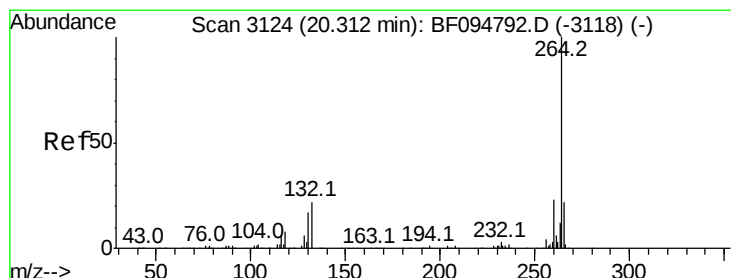
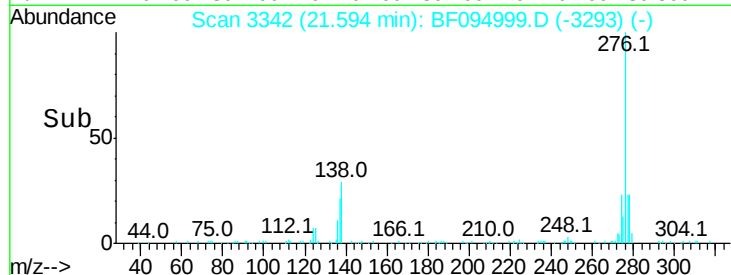
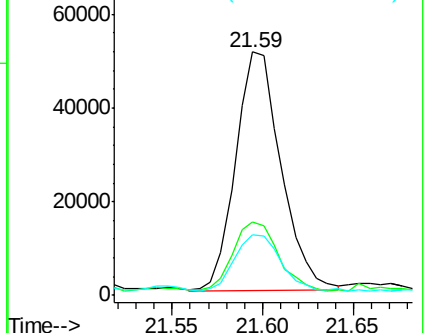
277 25.6 20.2 30.4



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



#86

Perylene-d12

Concen: 20.00 ng

RT: 20.30 min Scan# 3122

Delta R.T. -0.01 min

Lab File: BF094999.D

Acq: 9 May 2017 1:26

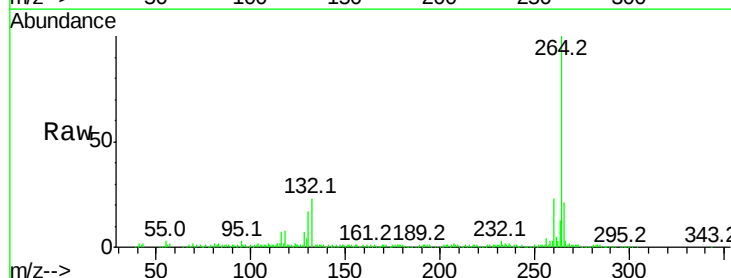
Tgt Ion:264 Resp: 155512

Ion Ratio Lower Upper

264 100

260 22.8 19.5 29.3

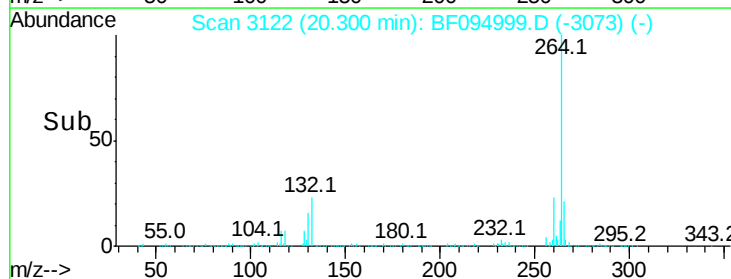
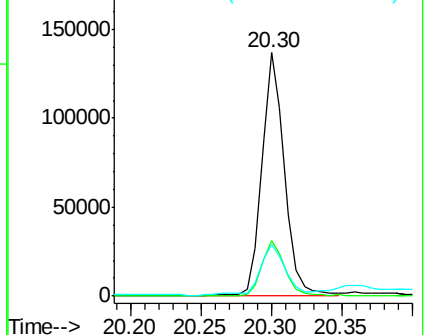
265 21.3 17.2 25.8

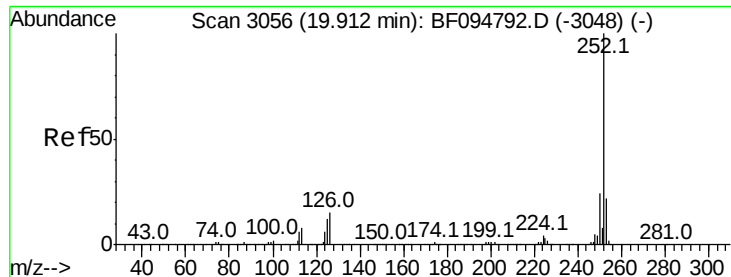


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

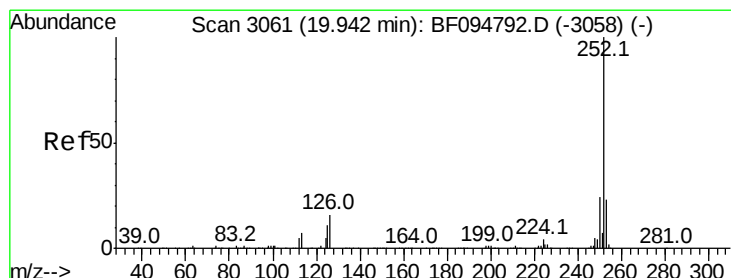
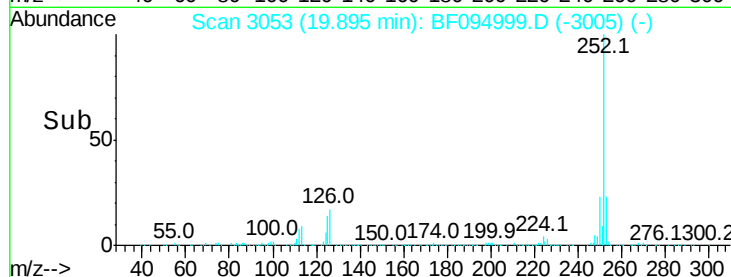
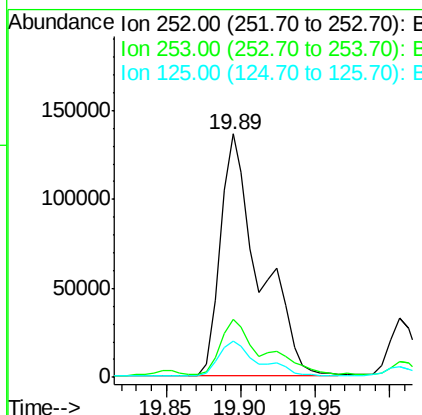
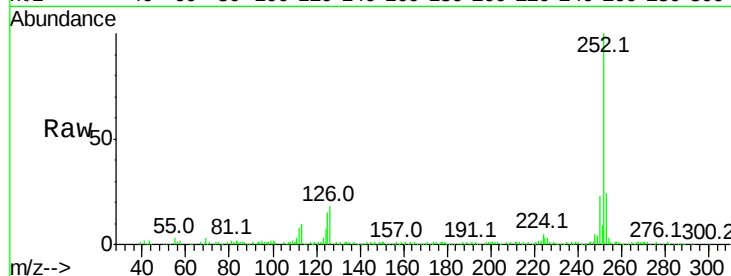




#87
Benzo(b)fluoranthene
Concen: 26.06 ng
RT: 19.89 min Scan# 3053
Delta R.T. -0.02 min
Lab File: BF094999.D
Acq: 9 May 2017 1:26

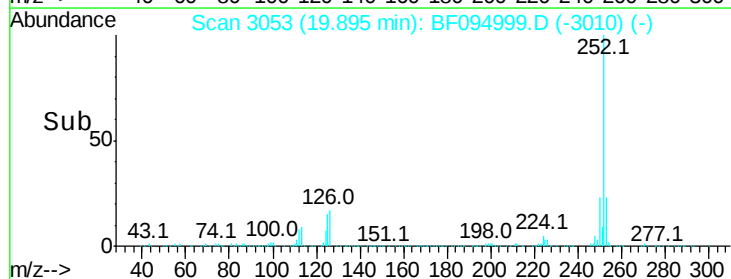
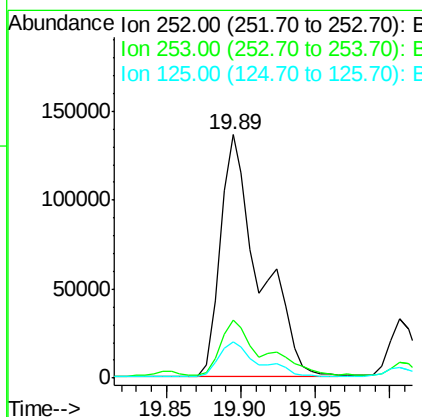
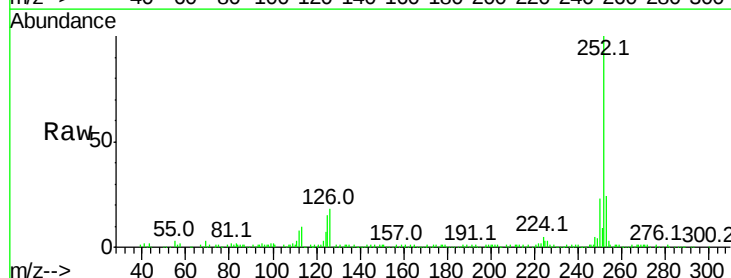
Instrument :
BNA_F
ClientSampleId :

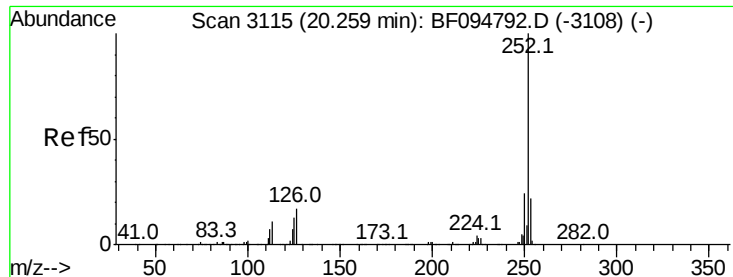
Tot Ion	Ratio	Lower	Upper
252	100		
253	23.7	18.1	27.1
125	15.0	9.8	14.8



#88
Benzo(k)fluoranthene
Concen: 27.01 ng
RT: 19.89 min Scan# 3053
Delta R.T. -0.05 min
Lab File: BF094999.D
Acq: 9 May 2017 1:26

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.7	18.4	27.6
125	15.0	13.1	19.7

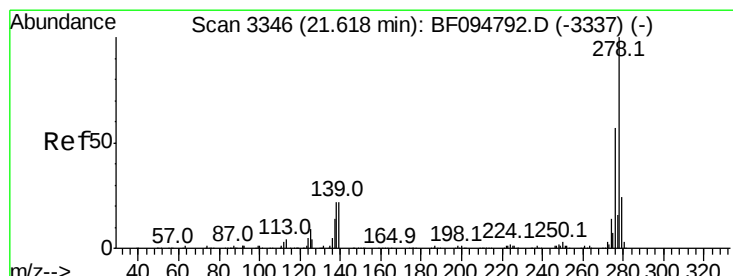
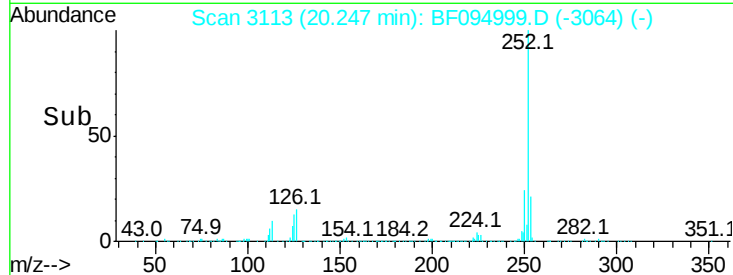
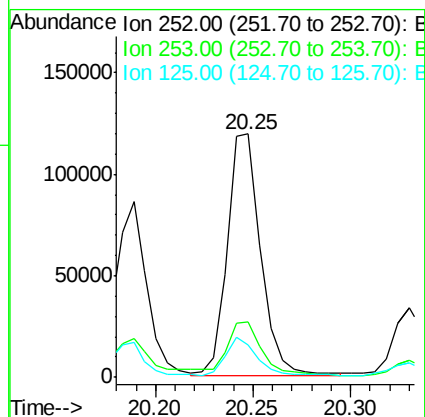
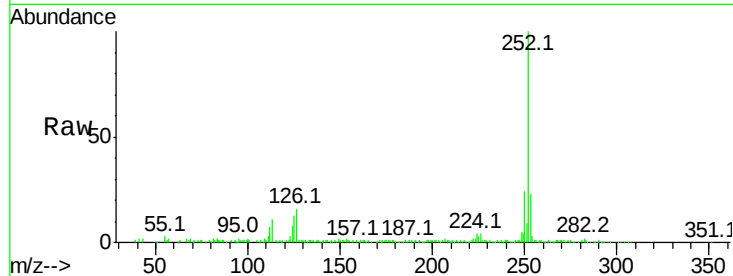




#89
Benzo(a)pyrene
Concen: 15.91 ng
RT: 20.25 min Scan# 3113
Delta R.T. -0.01 min
Lab File: BF094999.D
Acq: 9 May 2017 1:26

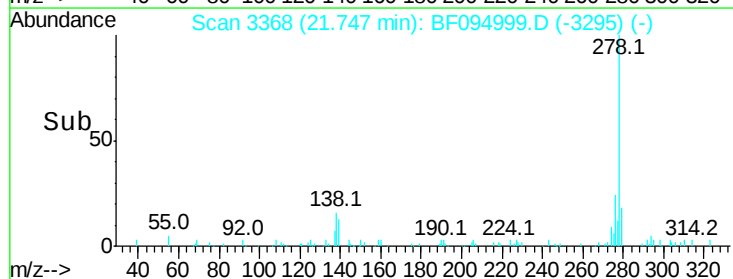
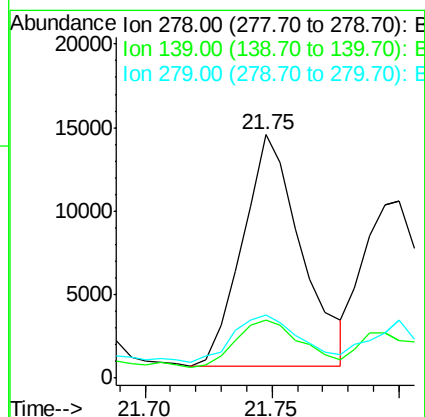
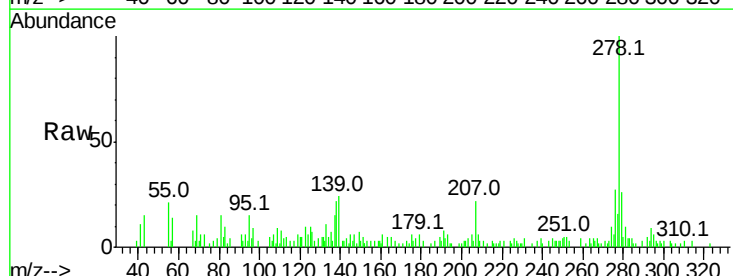
Instrument :
BNA_F
ClientSampleId :

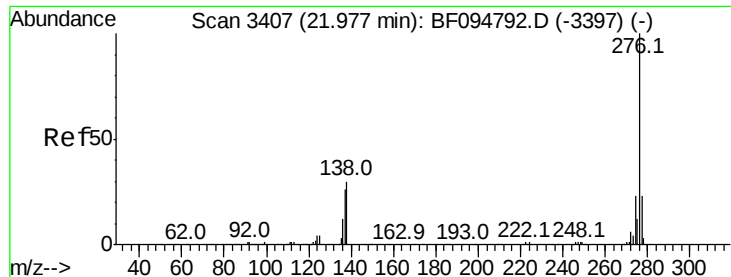
Tot Ion:252 Resp: 141076
Ion Ratio Lower Upper
252 100
253 22.6 17.5 26.3
125 13.3 11.0 16.4



#90
Dibenzo(a,h)anthracene
Concen: 3.06 ng
RT: 21.75 min Scan# 3368
Delta R.T. 0.13 min
Lab File: BF094999.D
Acq: 9 May 2017 1:26

Tgt Ion:278 Resp: 22390
Ion Ratio Lower Upper
278 100
139 23.7 16.6 24.8
279 26.0 19.3 28.9

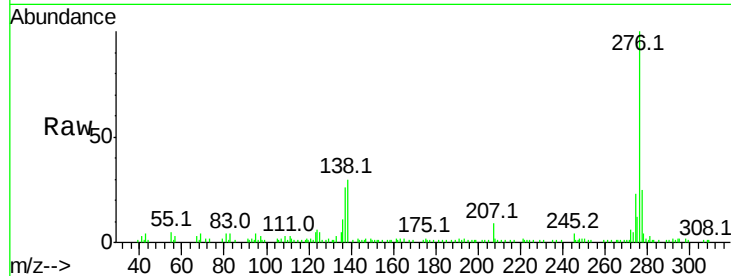




#91
 Benzo(a,h,i)perylene
 Concen: 12.18 ng
 RT: 21.98 min Scan# 3407
 Delta R.T. 0.00 min
 Lab File: BF094999.D
 Acq: 9 May 2017 1:26

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion: 276 Resp: 87522
 Ion Ratio Lower Upper
 276 100
 277 24.8 18.6 28.0
 138 29.7 25.4 38.0



Abundance Ion 276.00 (275.70 to 276.70): E
 Ion 277.00 (276.70 to 277.70): E
 Ion 138.00 (137.70 to 138.70): E

