

Data Path : Z:\HPCHEM1\BNA F\DATA\BF050517\
 Data File : BF094949.D
 Acq On : 6 May 2017 8:33
 Operator : SJ/MA
 Sample : I2970-03
 Misc :
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: May 08 01:36:43 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	7.72	152	101574	20.00	ng	-0.01
21) Naphthalene-d8	9.74	136	401309	20.00	ng	-0.01
38) Acenaphthene-d10	12.57	164	184238	20.00	ng	-0.02
63) Phenanthrene-d10	14.97	188	325239	20.00	ng	-0.01
75) Chrysene-d12	18.64	240	239398	20.00	ng	-0.02
86) Perylene-d12	20.30	264	181672	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.67	112	602381	98.87	ng	-0.01
7) Phenol-d6	7.26	99	778781	106.54	ng	-0.02
23) Nitrobenzene-d5	8.62	82	489191	76.87	ng	-0.02
41) 2,4,6-Tribromophenol	13.87	330	149832	99.30	ng	-0.02
44) 2-Fluorobiphenyl	11.51	172	986364	77.06	ng	-0.02
78) Terphenyl-d14	17.29	244	762783	70.18	ng	-0.02
Target Compounds						Qvalue
19) n-Nitroso-di-n-propylamine	8.62	70	61423	12.42	ng	# 79
49) Dimethylphthalate	12.21	163	175154	11.58	ng	# 98
55) 4-Nitrophenol	12.93	139	4000	2.01	ng	# 25
87) Benzo(b)fluoranthene	19.91	252	53096	4.73	ng	96
88) Benzo(k)fluoranthene	19.91	252	53096	4.90	ng	95
89) Benzo(a)pyrene	20.25	252	22548	2.18	ng	99
91) Benzo(g,h,i)perylene	21.99	276	16824	2.00	ng	# 95

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



#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 7.72 min Scan# 983

Delta R.T. -0.01 min

Lab File: BF094949.D

Acq: 6 May 2017 8:33

Instrument :

BNA_F

ClientSampleId :

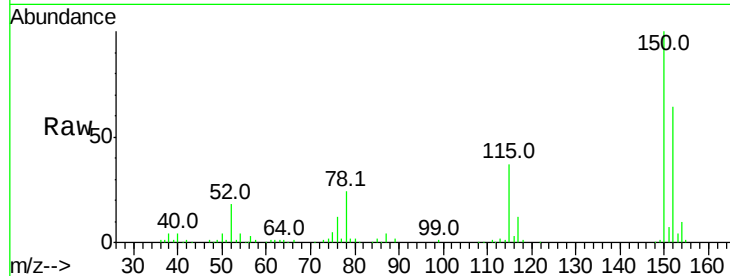
Tot Ion:152 Resp: 101574

Ion Ratio Lower Upper

152 100

150 155.9 126.2 189.2

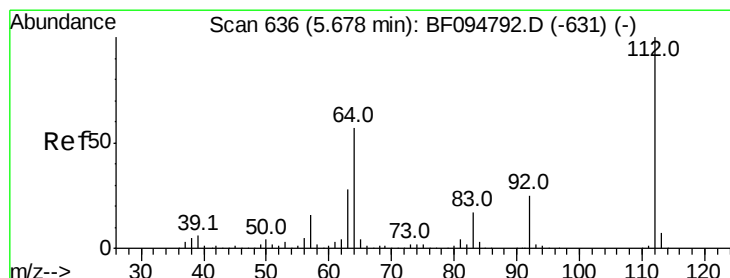
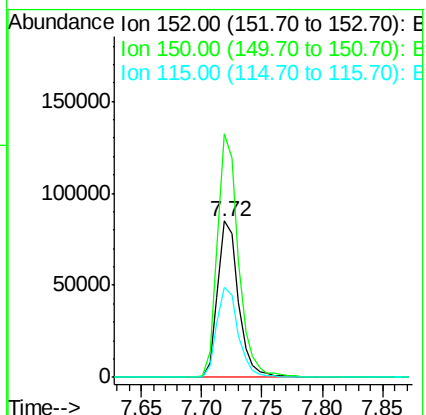
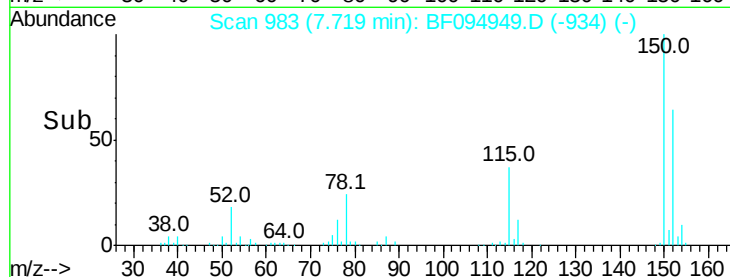
115 58.0 52.2 78.2



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: 98.87 ng

RT: 5.67 min Scan# 634

Delta R.T. -0.01 min

Lab File: BF094949.D

Acq: 6 May 2017 8:33

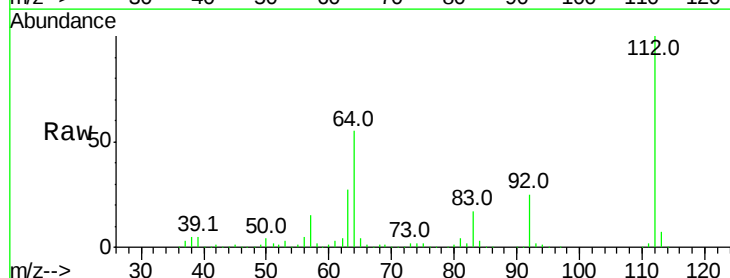
Tgt Ion:112 Resp: 602381

Ion Ratio Lower Upper

112 100

64 55.1 46.0 69.0

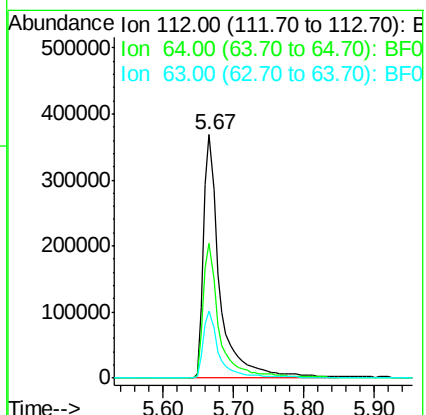
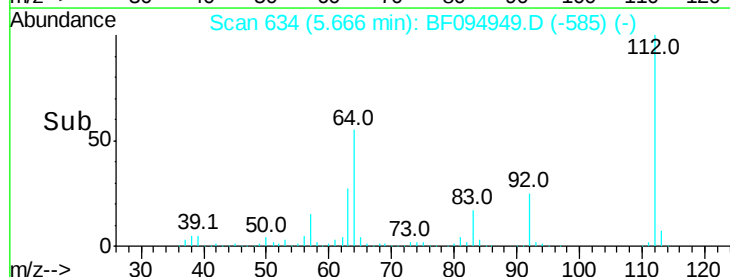
63 27.4 23.4 35.0

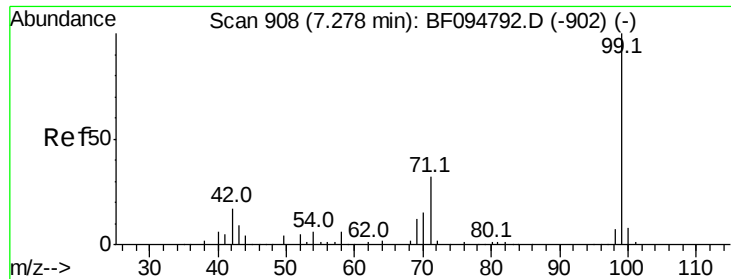


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 106.54 ng

RT: 7.26 min Scan# 905

Delta R.T. -0.02 min

Lab File: BF094949.D

Acq: 6 May 2017 8:33

Instrument :

BNA_F

ClientSampleId :

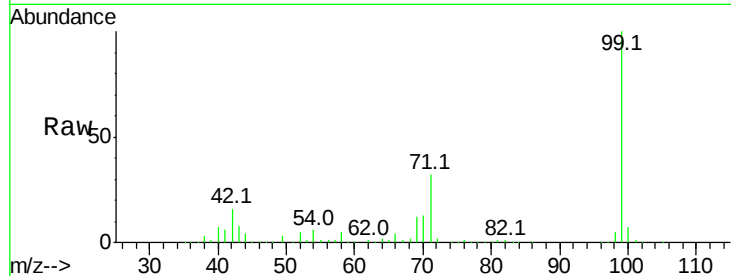
Tot Ion: 99 Resp: 778781

Ion Ratio Lower Upper

99 100

42 16.1 13.5 20.3

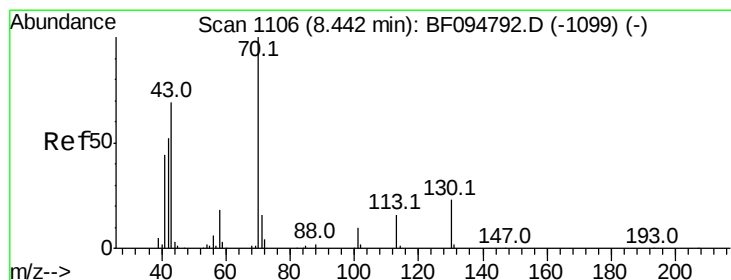
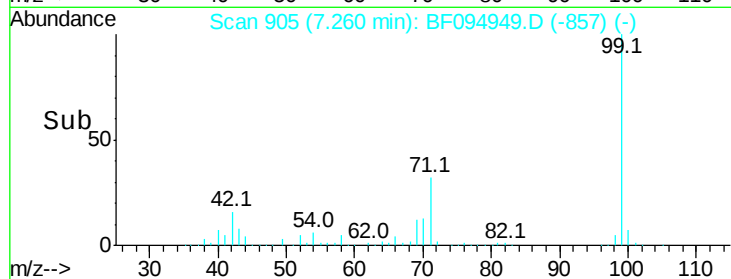
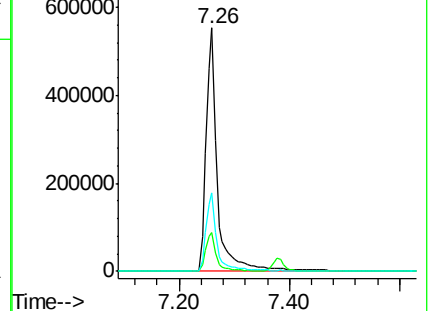
71 32.0 24.5 36.7



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: 12.42 ng

RT: 8.62 min Scan# 1136

Delta R.T. 0.18 min

Lab File: BF094949.D

Acq: 6 May 2017 8:33

Tgt Ion: 70 Resp: 61423

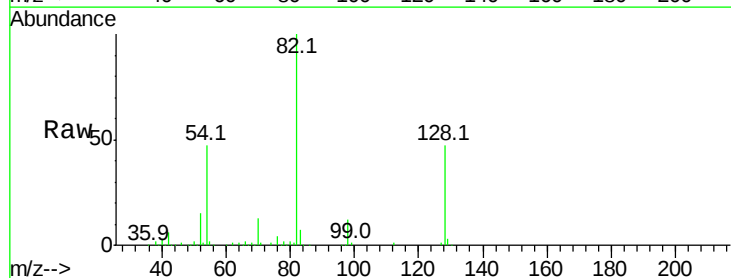
Ion Ratio Lower Upper

70 100

42 47.6 47.2 70.8

101 0.0 7.2 10.8#

130 2.2 15.9 23.9#

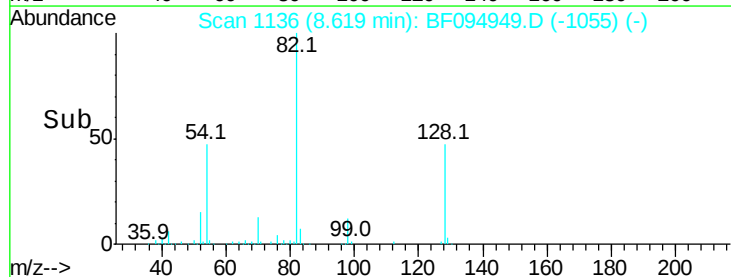
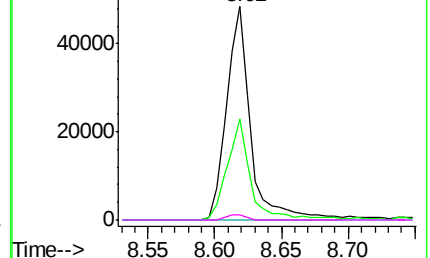


Abundance Ion 70.00 (69.70 to 70.70): BF0

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: 9.74 min Scan# 1327

Delta R.T. -0.01 min

Lab File: BF094949.D

Acq: 6 May 2017 8:33

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 401309

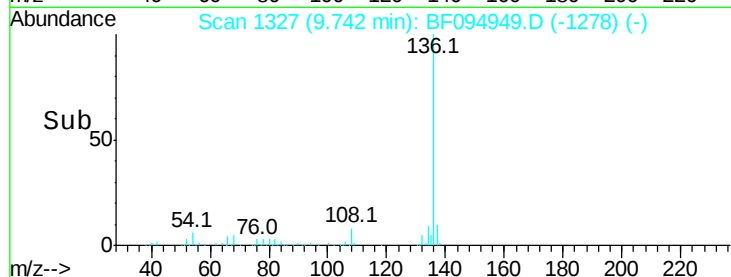
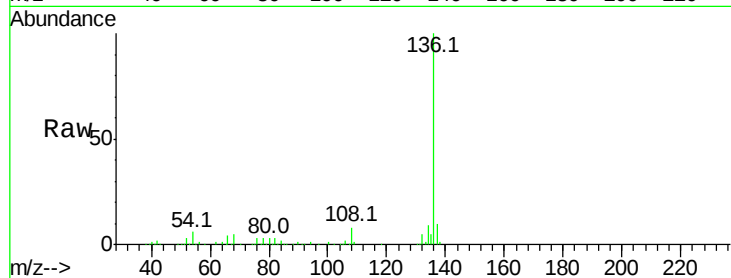
Ion Ratio Lower Upper

136 100

137 10.2 8.5 12.7

54 6.1 4.9 7.3

68 5.2 4.1 6.1

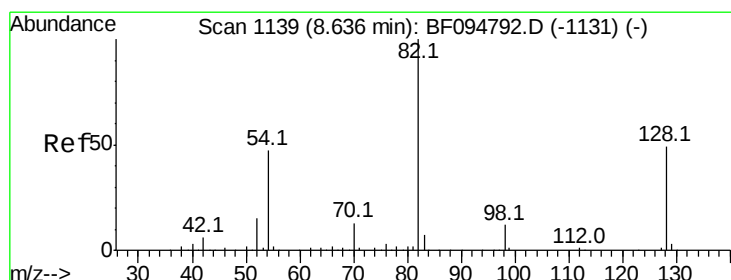
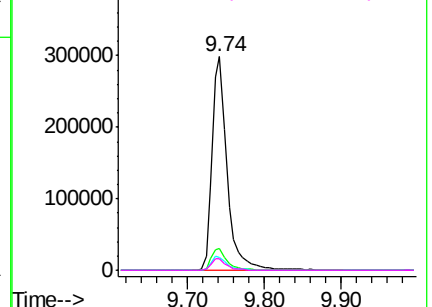


Abundance Ion 136.00 (135.70 to 136.70): E

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: 76.87 ng

RT: 8.62 min Scan# 1136

Delta R.T. -0.02 min

Lab File: BF094949.D

Acq: 6 May 2017 8:33

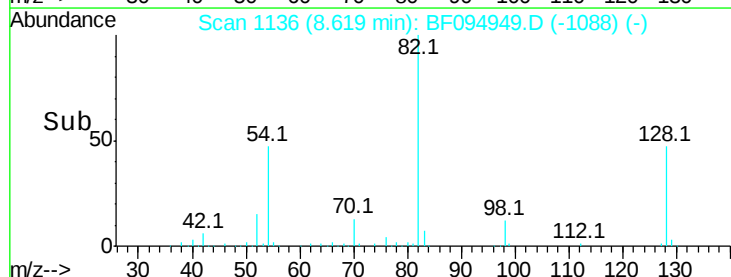
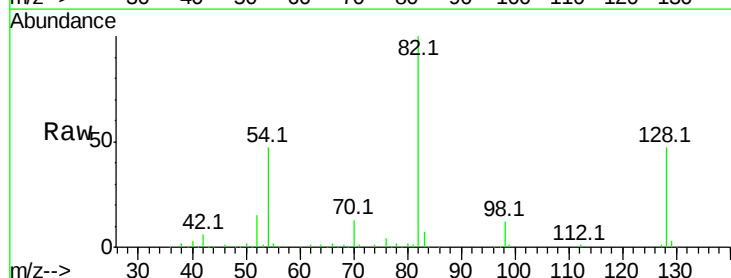
Tgt Ion: 82 Resp: 489191

Ion Ratio Lower Upper

82 100

128 46.9 34.0 51.0

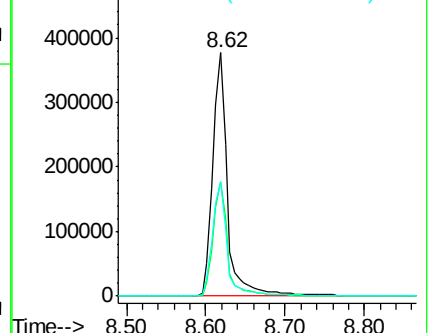
54 46.9 42.2 63.2



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: BF094949.D

Acq: 6 May 2017 8:33

Instrument :

BNA_F

ClientSampleId :

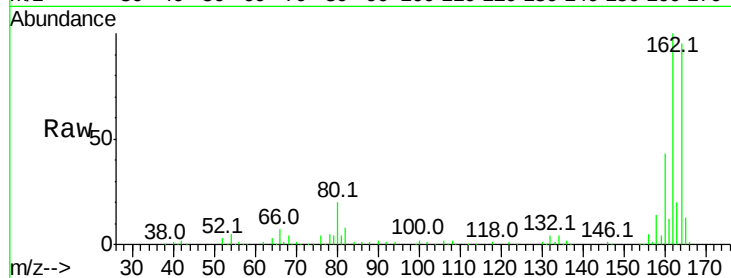
Tot Ion:164 Resp: 184238

Ion Ratio Lower Upper

164 100

162 104.8 82.6 123.8

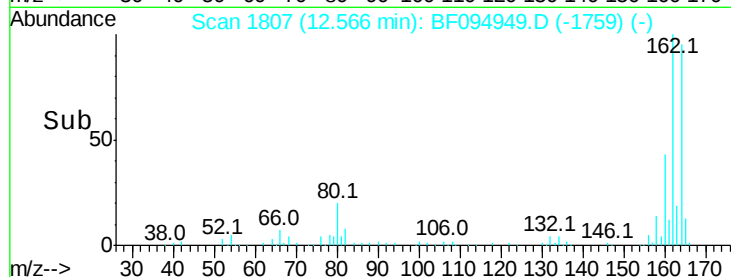
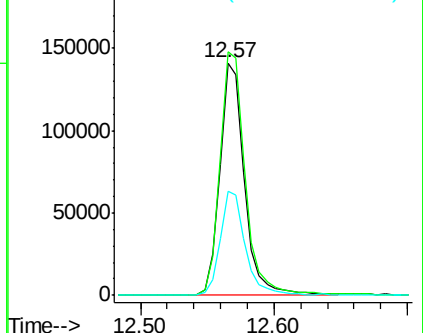
160 45.0 36.2 54.2



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: 99.30 ng

RT: 13.87 min Scan# 2028

Delta R.T. -0.02 min

Lab File: BF094949.D

Acq: 6 May 2017 8:33

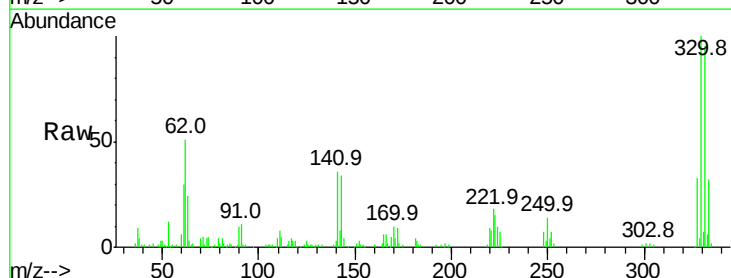
Tgt Ion:330 Resp: 149832

Ion Ratio Lower Upper

330 100

332 96.9 76.6 115.0

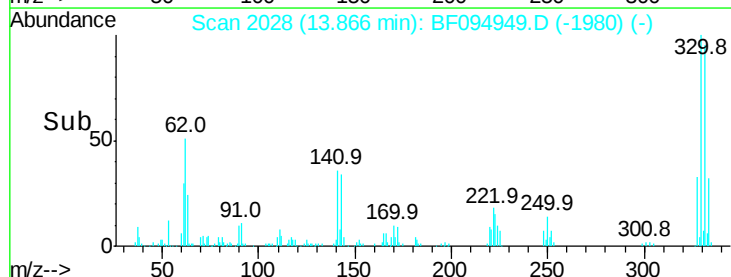
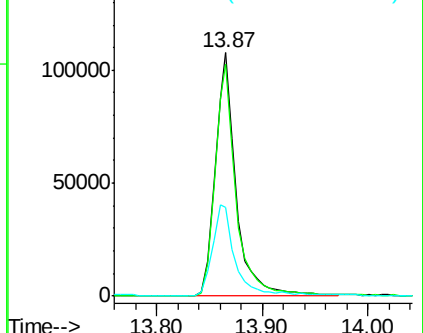
141 40.3 31.4 47.2



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

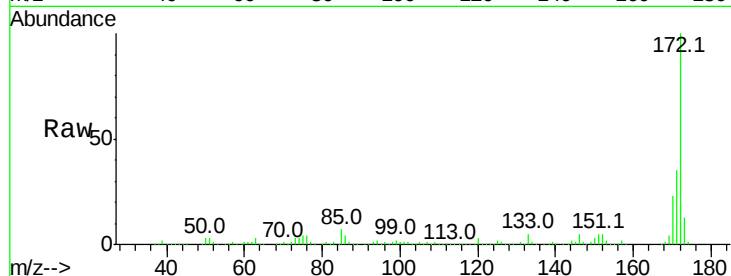




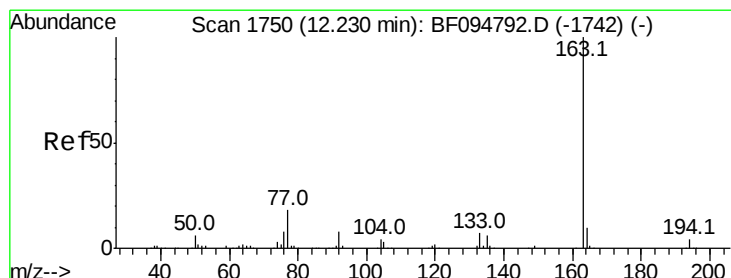
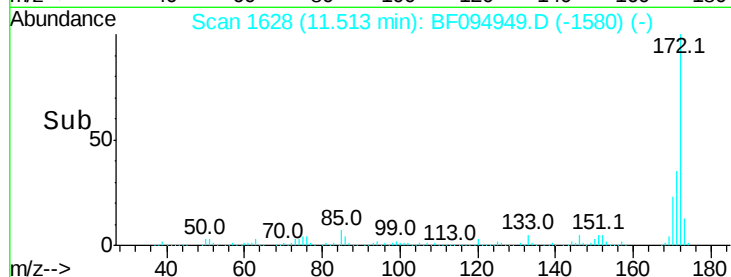
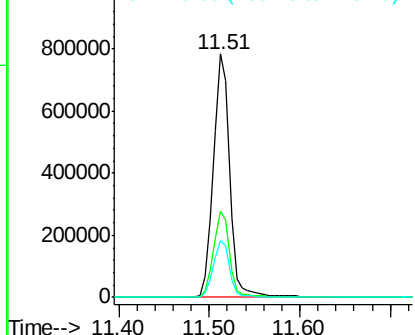
#44
2-Fluorobiphenyl
Concen: 77.06 ng
RT: 11.51 min Scan# 1628
Delta R.T. -0.02 min
Lab File: BF094949.D
Acq: 6 May 2017 8:33

Instrument :
BNA_F
ClientSampleId :

Tot Ion:172 Resp: 986364
Ion Ratio Lower Upper
172 100
171 35.3 29.6 44.4
170 23.5 19.8 29.8

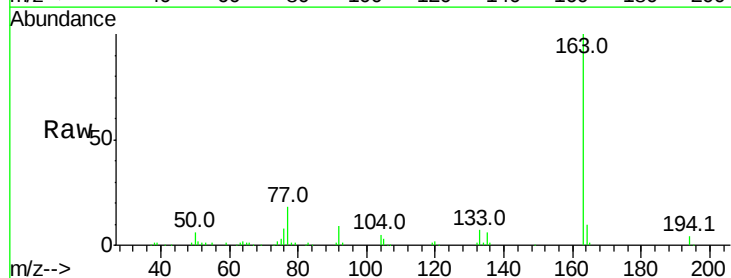


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

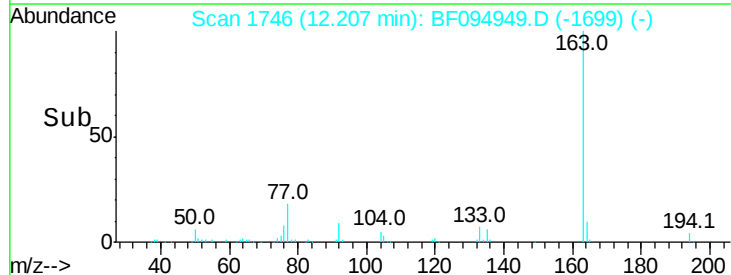
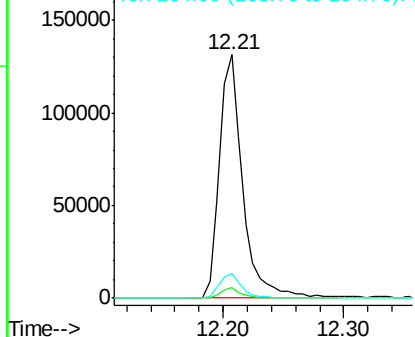


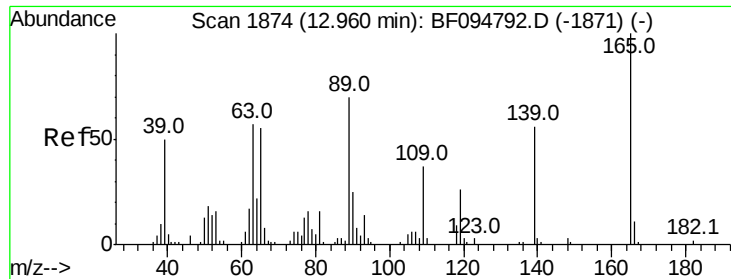
#49
Dimethylphthalate
Concen: 11.58 ng
RT: 12.21 min Scan# 1746
Delta R.T. -0.02 min
Lab File: BF094949.D
Acq: 6 May 2017 8:33

Tgt Ion:163 Resp: 175154
Ion Ratio Lower Upper
163 100
194 4.3 2.6 4.0#
164 9.9 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

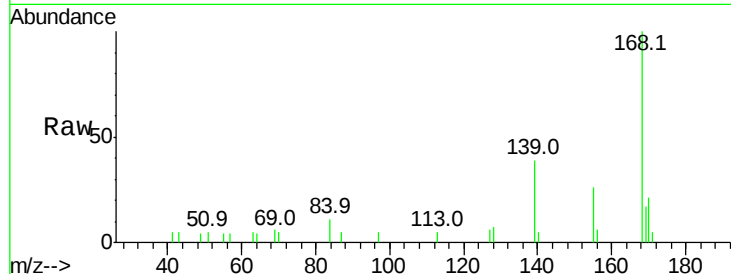




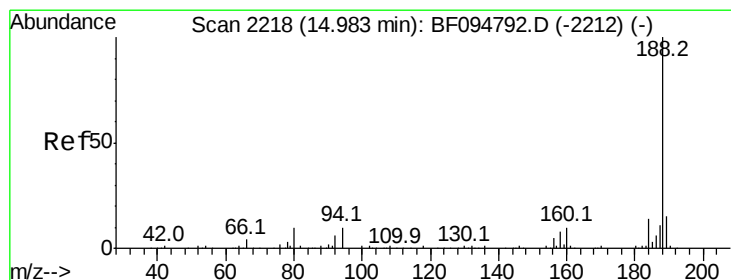
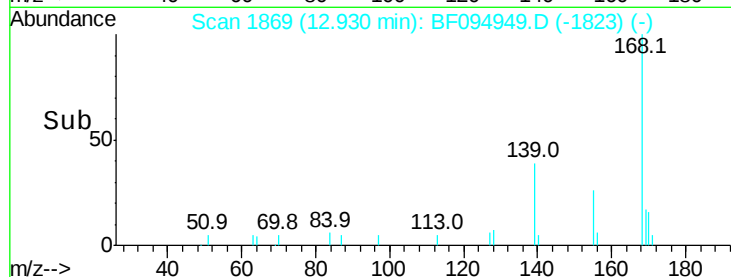
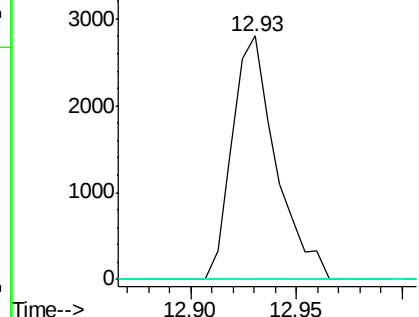
#55
4-Nitrophenol
Concen: 2.01 ng
RT: 12.93 min Scan# 1869
Delta R.T. -0.03 min
Lab File: BF094949.D
Acq: 6 May 2017 8:33

Instrument :
BNA_F
ClientSampleId :

Tot Ion:139 Resp: 4000
Ion Ratio Lower Upper
139 100
109 0.0 34.1 74.1#
65 0.0 31.4 71.4#

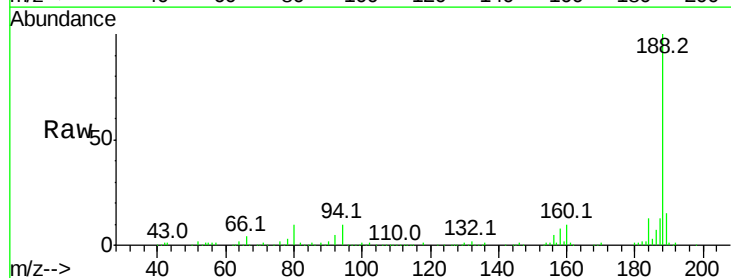


Abundance Ion 139.00 (138.70 to 139.70): E
Ion 109.00 (108.70 to 109.70): E
Ion 65.00 (64.70 to 65.70): BF0

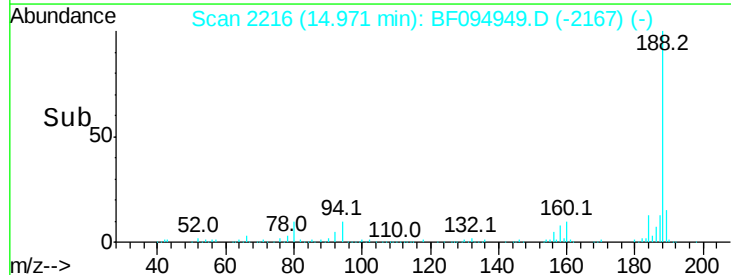
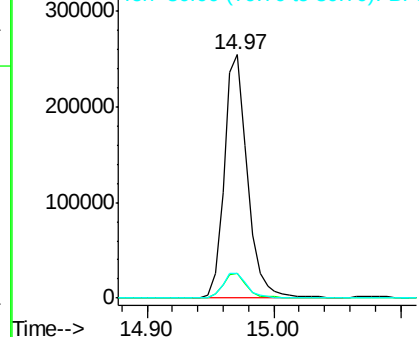


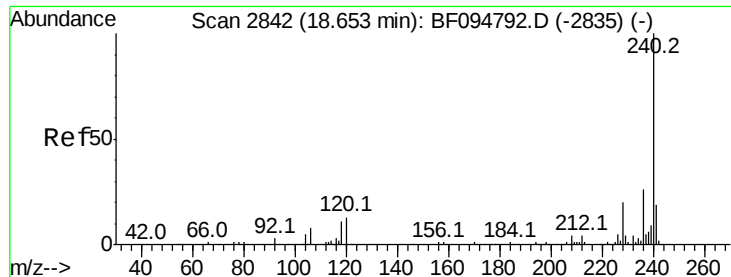
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 14.97 min Scan# 2216
Delta R.T. -0.01 min
Lab File: BF094949.D
Acq: 6 May 2017 8:33

Tgt Ion:188 Resp: 325239
Ion Ratio Lower Upper
188 100
94 10.2 9.4 14.2
80 10.3 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: BF094949.D

Acq: 6 May 2017 8:33

Instrument :

BNA_F

ClientSampled :

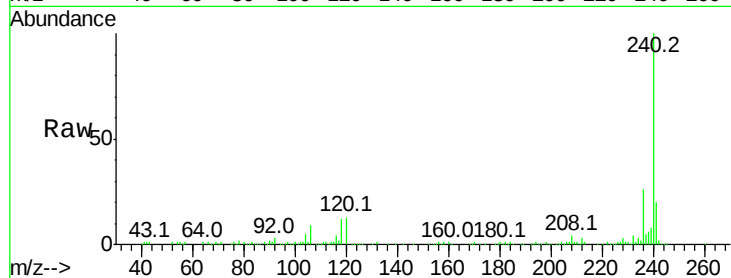
Tot Ion:240 Resp: 239398

Ion Ratio Lower Upper

240 100

120 13.5 5.8 8.8#

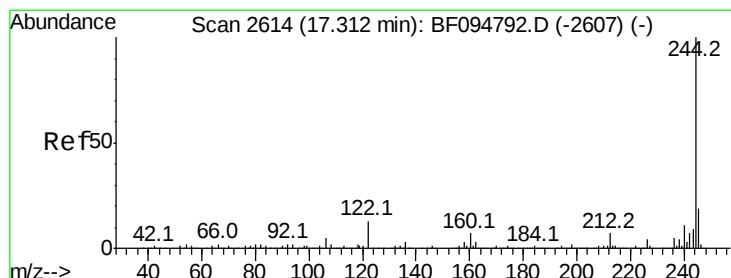
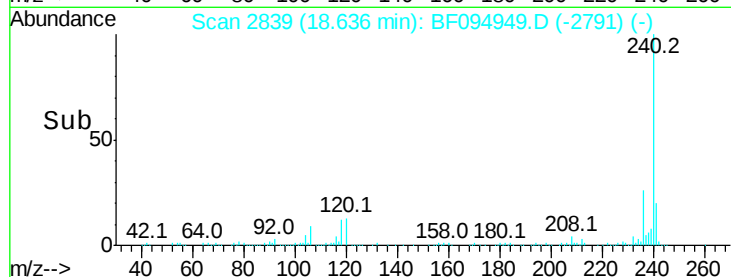
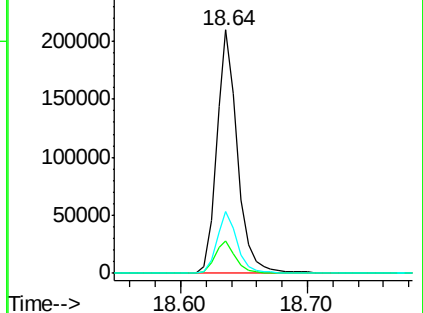
236 25.5 20.5 30.7



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



#78

Terphenyl-d14

Concen: 70.18 ng

RT: 17.29 min Scan# 2611

Delta R.T. -0.02 min

Lab File: BF094949.D

Acq: 6 May 2017 8:33

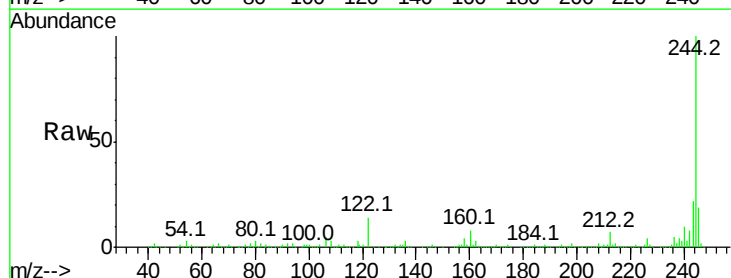
Tgt Ion:244 Resp: 762783

Ion Ratio Lower Upper

244 100

212 7.5 6.0 9.0

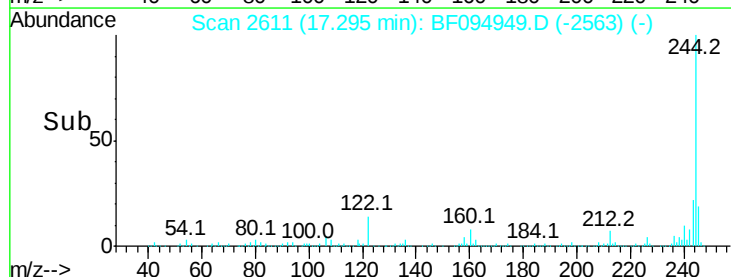
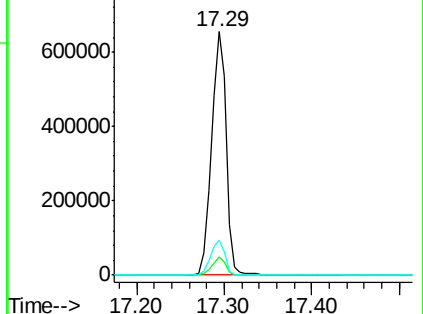
122 14.4 10.3 15.5

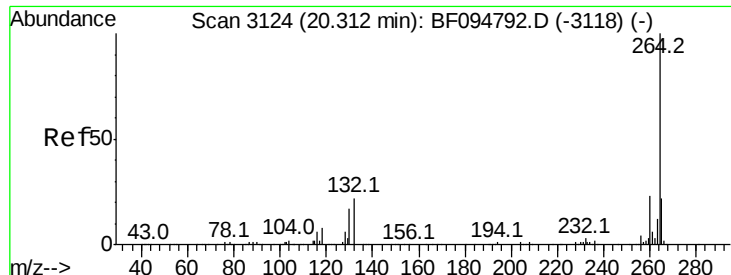


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

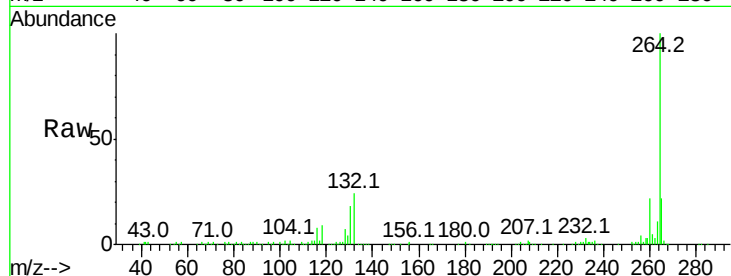




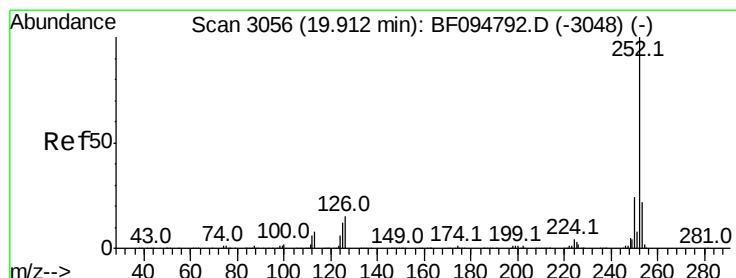
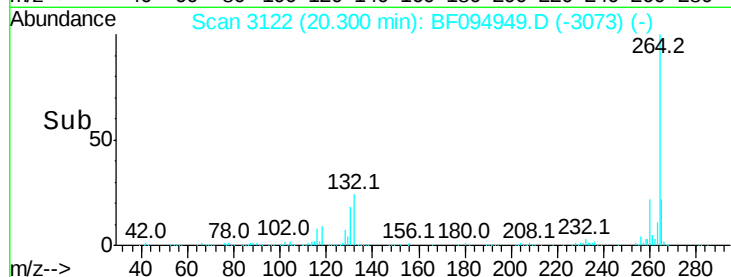
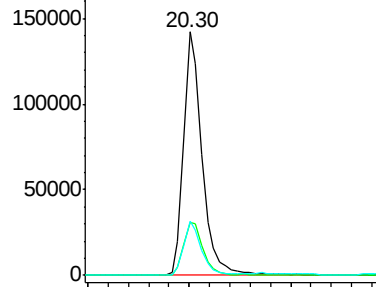
#86
Pervlene-d12
Concen: 20.00 ng
RT: 20.30 min Scan# 3122
Delta R.T. -0.01 min
Lab File: BF094949.D
Acq: 6 May 2017 8:33

Instrument :
BNA_F
ClientSampleId :

Tot Ion:264 Resp: 181672
Ion Ratio Lower Upper
264 100
260 21.7 19.5 29.3
265 22.0 17.2 25.8

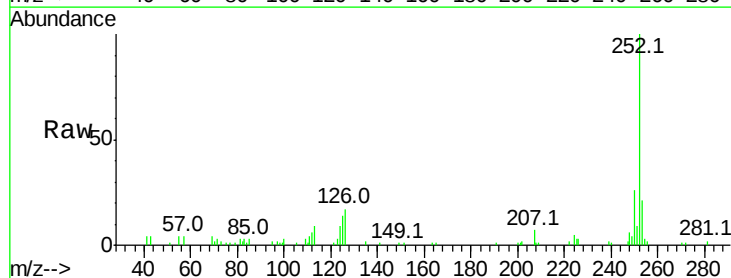


Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E

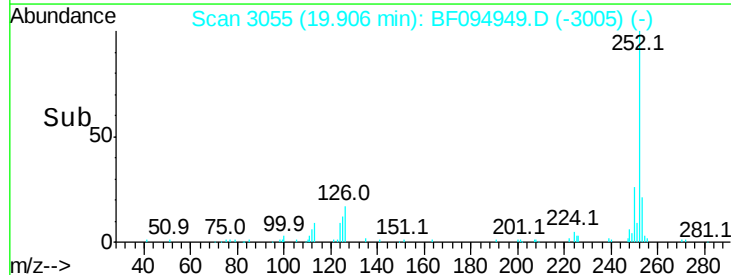
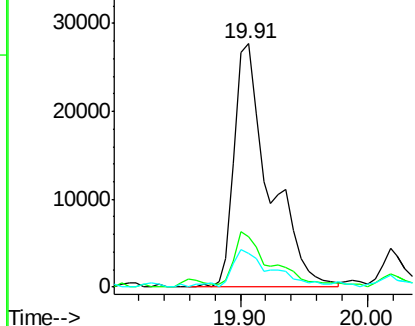


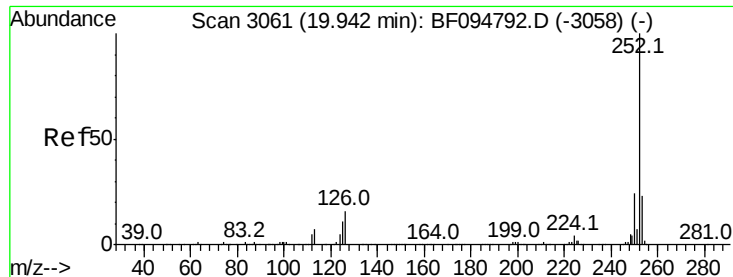
#87
Benzo(b)fluoranthene
Concen: 4.73 ng
RT: 19.91 min Scan# 3055
Delta R.T. -0.01 min
Lab File: BF094949.D
Acq: 6 May 2017 8:33

Tgt Ion:252 Resp: 53096
Ion Ratio Lower Upper
252 100
253 20.7 18.1 27.1
125 13.9 9.8 14.8



Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

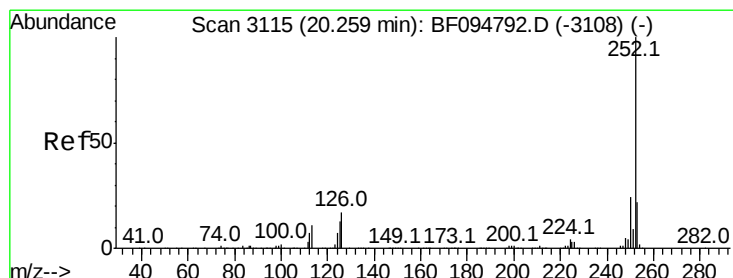
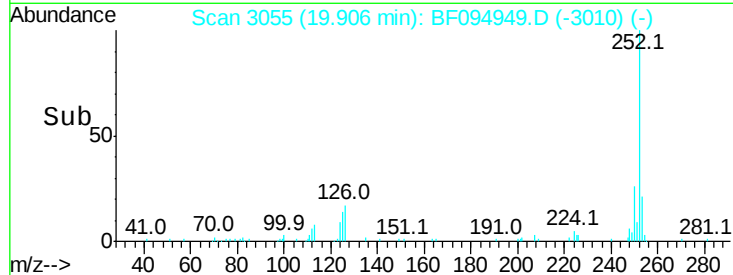
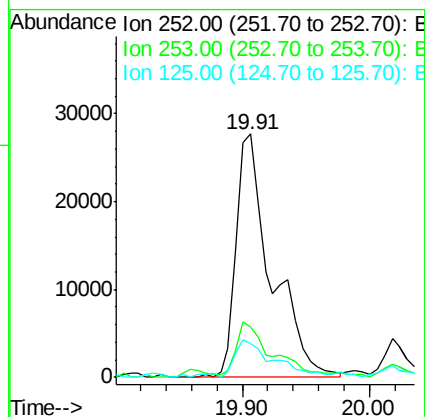
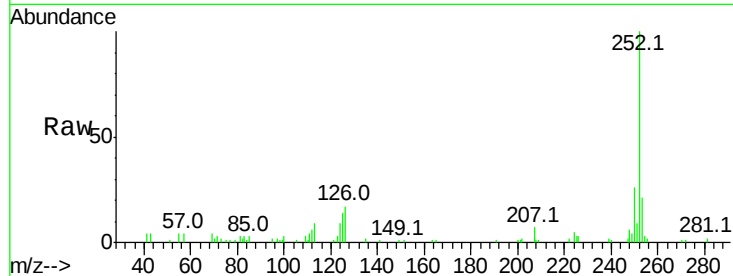




#88
Benzo(k)fluoranthene
Concen: 4.90 ng
RT: 19.91 min Scan# 3055
Delta R.T. -0.04 min
Lab File: BF094949.D
Acq: 6 May 2017 8:33

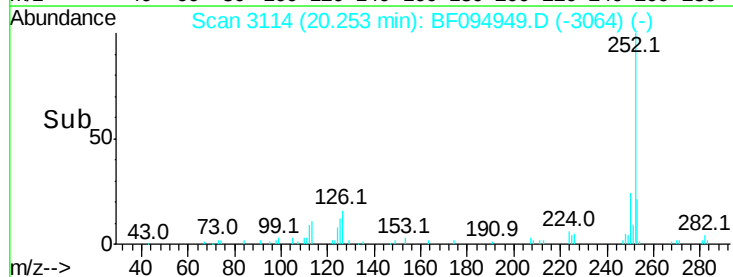
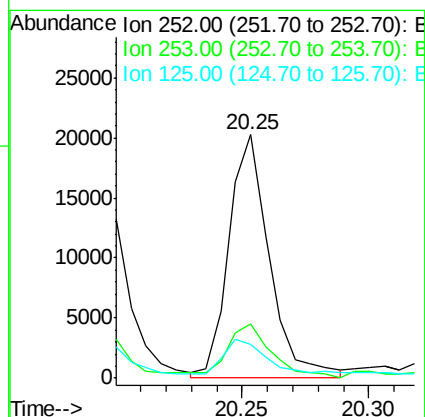
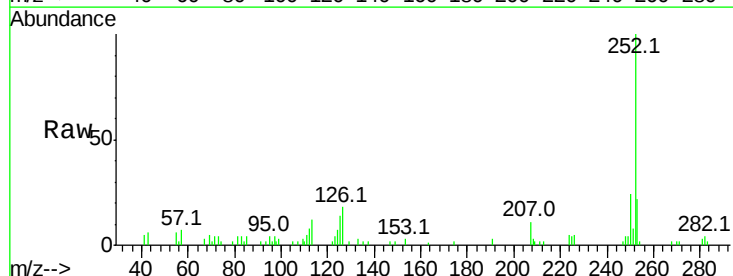
Instrument :
BNA_F
ClientSampleId :

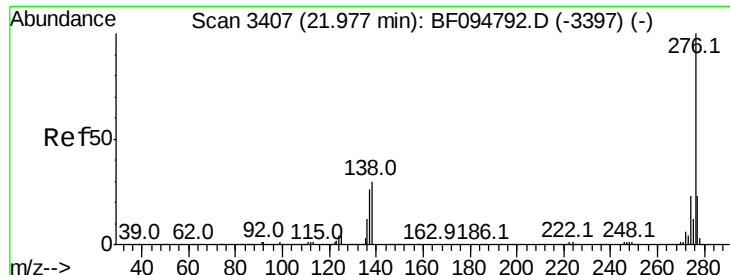
Tot Ion:252 Resp: 53096
Ion Ratio Lower Upper
252 100
253 20.7 18.4 27.6
125 13.9 13.1 19.7



#89
Benzo(a)pyrene
Concen: 2.18 ng
RT: 20.25 min Scan# 3114
Delta R.T. -0.01 min
Lab File: BF094949.D
Acq: 6 May 2017 8:33

Tgt Ion:252 Resp: 22548
Ion Ratio Lower Upper
252 100
253 22.3 17.5 26.3
125 13.9 11.0 16.4





#91

Benzo(a,h,i)perylene

Concen: 2.00 ng

RT: 21.99 min Scan# 3410

Delta R.T. 0.02 min

Lab File: BF094949.D

Acq: 6 May 2017 8:33

Instrument :

BNA_F

ClientSampleId :

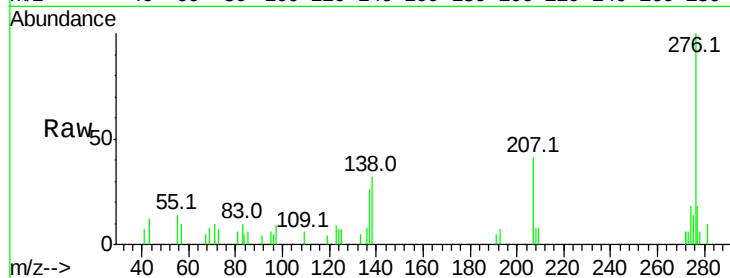
Tot Ion:276 Resp: 16824

Ion Ratio Lower Upper

276 100

277 18.1 18.6 28.0#

138 32.0 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

