

Data Path : Z:\HPCHEM1\BNA_F\Data\BF050317\
 Data File : BF094868.D
 Acq On : 4 May 2017 10:27
 Operator : SJ/MA
 Sample : I2921-04DL 20X
 Misc :
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 DFTPP

Quant Time: May 04 10:56:08 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

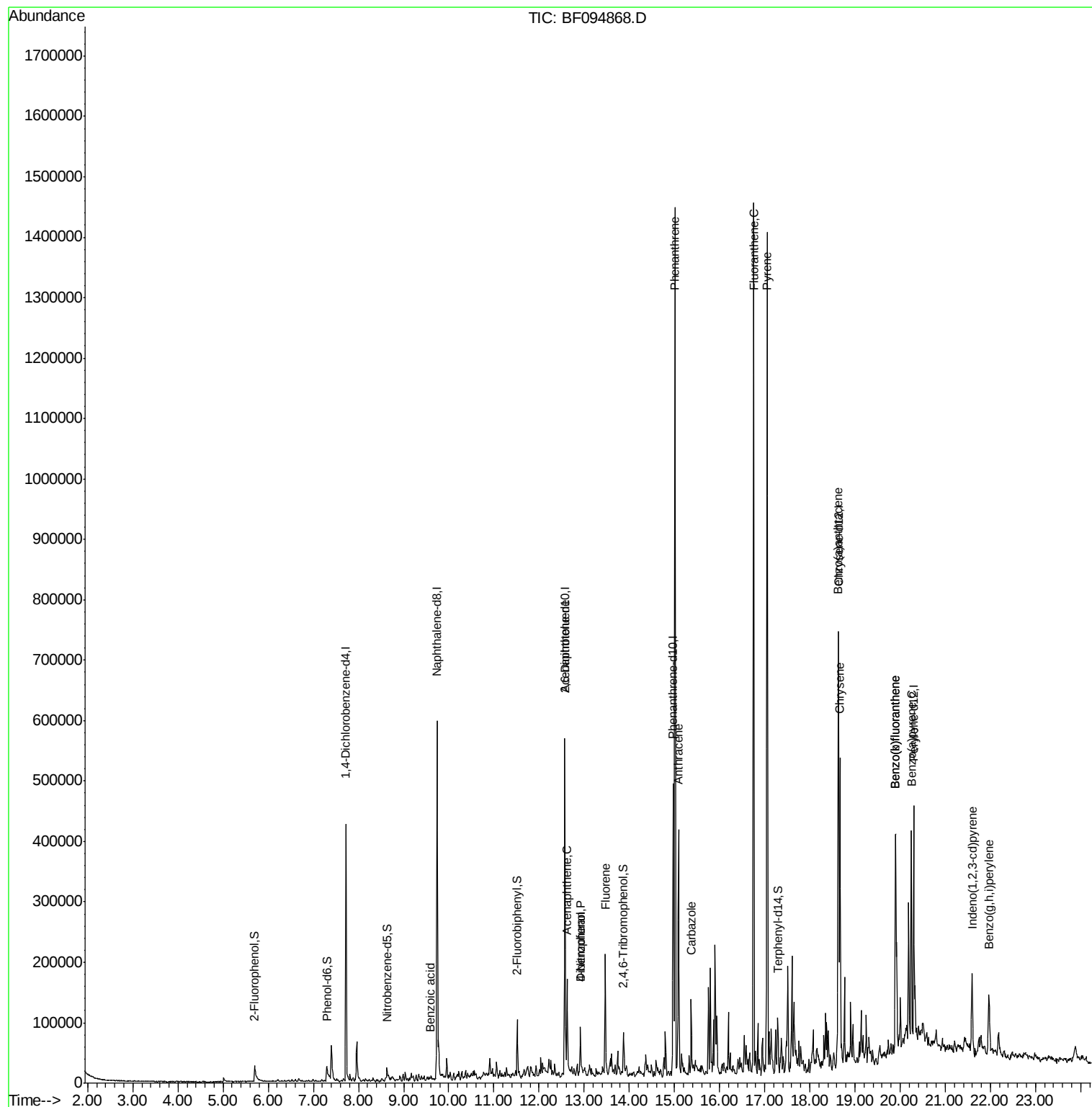
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.72	152	93082	20.00	ng	-0.01
21) Naphthalene-d8	9.74	136	361252	20.00	ng	-0.01
38) Acenaphthene-d10	12.57	164	150692	20.00	ng	-0.01
63) Phenanthrene-d10	14.97	188	230029	20.00	ng	-0.01
75) Chrysene-d12	18.64	240	202113	20.00	ng	-0.02
86) Perylene-d12	20.30	264	149758	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.70	112	24244	4.34	ng	0.02
7) Phenol-d6	7.30	99	33949	5.07	ng	0.02
23) Nitrobenzene-d5	8.63	82	19254	3.36	ng	0.00
41) 2,4,6-Tribromophenol	13.88	330	5434	4.40	ng	0.00
44) 2-Fluorobiphenyl	11.52	172	38852	3.71	ng	-0.01
78) Terphenyl-d14	17.29	244	24833	2.71	ng	-0.02
Target Compounds						Qvalue
32) Benzoic acid	9.59	122	1030	5.35	ng	# 14
50) 2,6-Dinitrotoluene	12.57	165	16753	6.64	ng	# 31
51) Acenaphthene	12.62	154	43189	4.51	ng	96
54) Dibenzofuran	12.91	168	46386	3.50	ng	100
55) 4-Nitrophenol	12.91	139	17968	11.04	ng	# 30
57) Fluorene	13.47	166	69811	6.05	ng	98
70) Phenanthrene	15.01	178	701105	53.05	ng	99
71) Anthracene	15.09	178	212072	15.71	ng	98
72) Carbazole	15.37	167	70079	5.71	ng	97
74) Fluoranthene	16.75	202	690403	50.92	ng	99
77) Pyrene	17.05	202	586026	38.77	ng	95
80) Benzo(a)anthracene	18.62	228	230108	19.56	ng	99
82) Chrysene	18.67	228	192319	16.91	ng	96
85) Indeno(1,2,3-cd)pyrene	21.59	276	69648	7.54	ng	96
87) Benzo(b)fluoranthene	19.90	252	263797	28.51	ng	# 97
88) Benzo(k)fluoranthene	19.90	252	263797	29.55	ng	98
89) Benzo(a)pyrene	20.25	252	155244	18.18	ng	97
91) Benzo(g,h,i)perylene	21.97	276	69579	10.05	ng	96

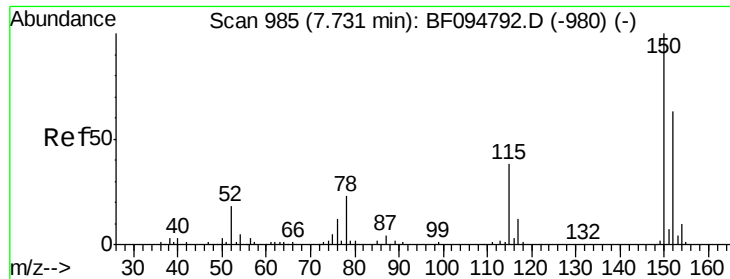
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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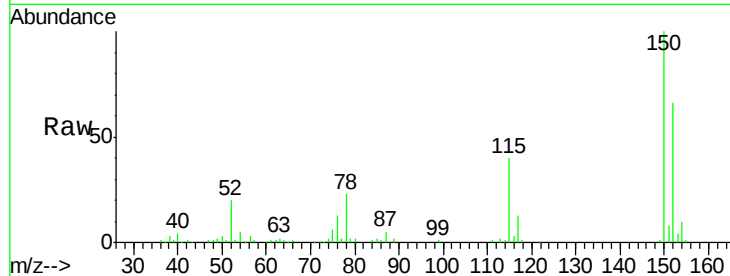


#1

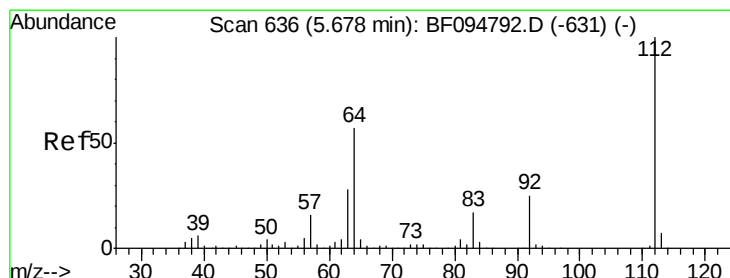
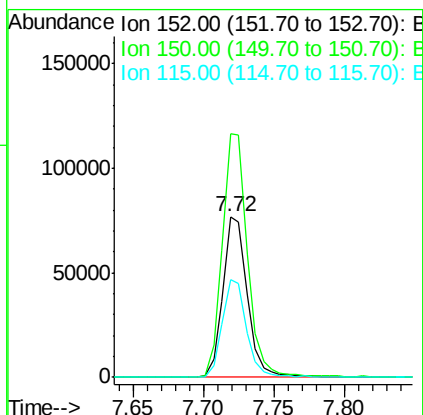
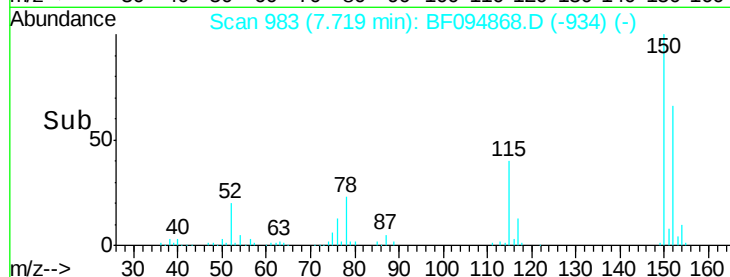
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.72 min Scan# 983
Delta R.T. -0.01 min
Lab File: BF094868.D
Acq: 4 May 2017 10:27

Instrument :
BNA_F
ClientSampleId :
DFTPP

Tgt Ion:152 Resp: 93082
Ion Ratio Lower Upper
152 100
150 151.4 126.2 189.2
115 61.0 52.2 78.2



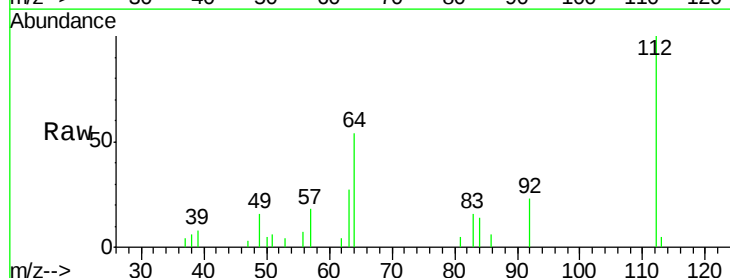
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



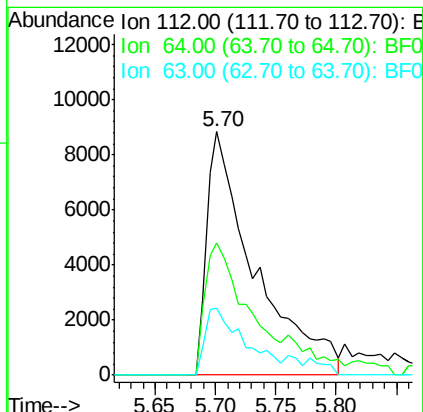
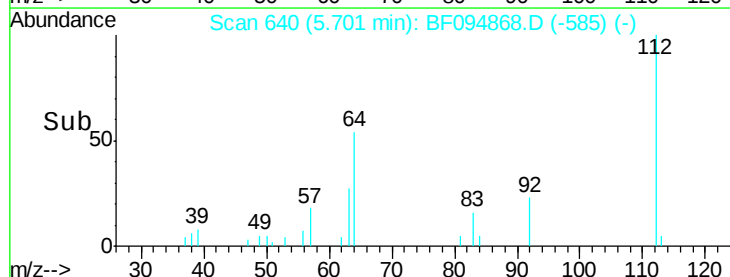
#5

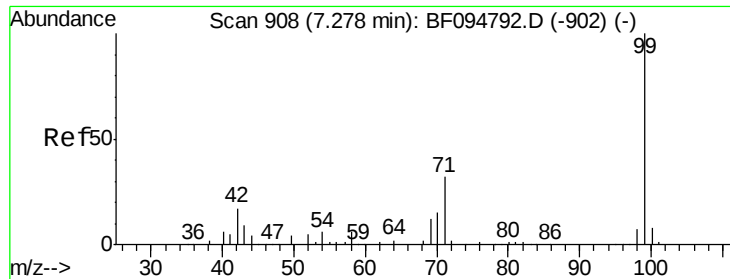
2-Fluorophenol
Concen: 4.34 ng
RT: 5.70 min Scan# 640
Delta R.T. 0.02 min
Lab File: BF094868.D
Acq: 4 May 2017 10:27

Tgt Ion:112 Resp: 24244
Ion Ratio Lower Upper
112 100
64 54.3 46.0 69.0
63 27.5 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: 5.07 ng

RT: 7.30 min Scan# 911

Delta R.T. 0.02 min

Lab File: BF094868.D

Acq: 4 May 2017 10:27

Instrument :

BNA_F

ClientSampleId :

DFTPP

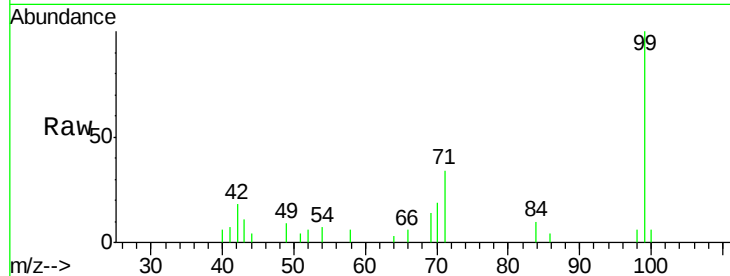
Tgt Ion: 99 Resp: 33949

Ion Ratio Lower Upper

99 100

42 18.5 13.5 20.3

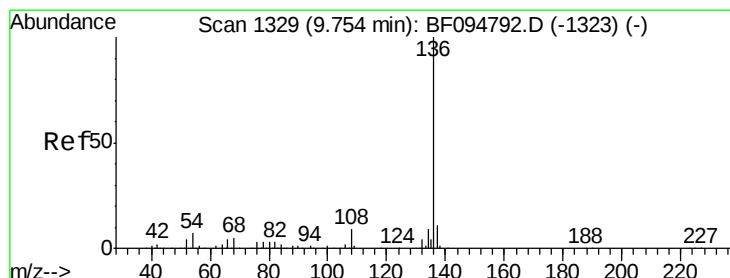
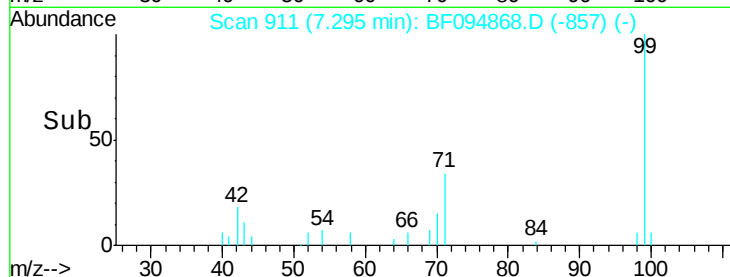
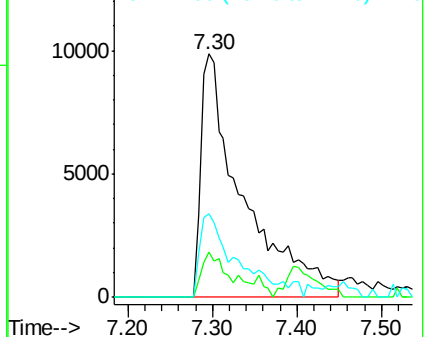
71 34.5 24.5 36.7



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



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 9.74 min Scan# 1327

Delta R.T. -0.01 min

Lab File: BF094868.D

Acq: 4 May 2017 10:27

Tgt Ion: 136 Resp: 361252

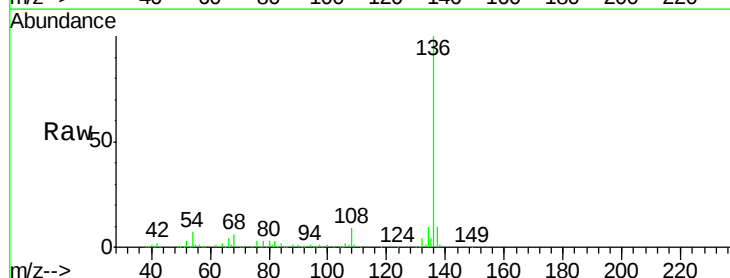
Ion Ratio Lower Upper

136 100

137 10.3 8.5 12.7

54 7.1 4.9 7.3

68 5.6 4.1 6.1

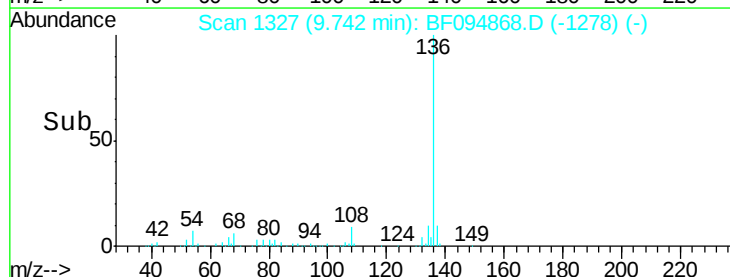
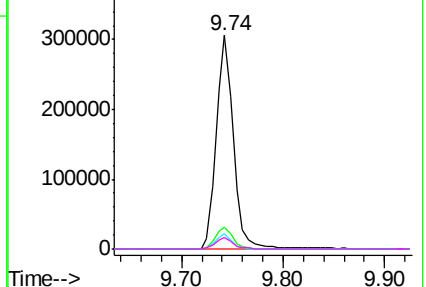


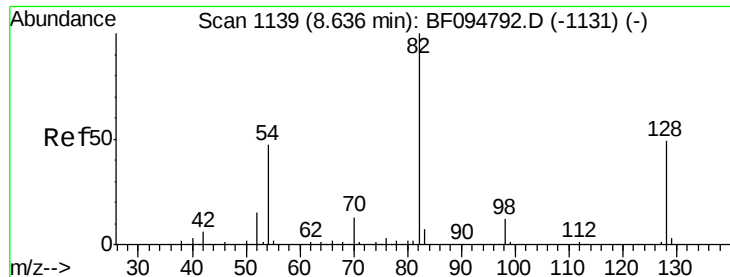
Abundance Ion 136.00 (135.70 to 136.70): E

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

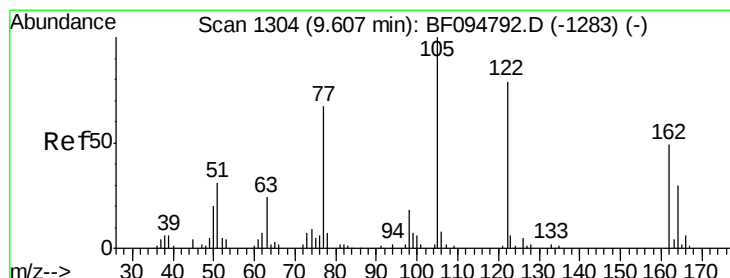
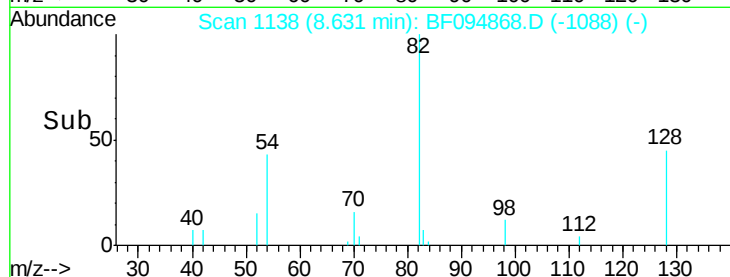
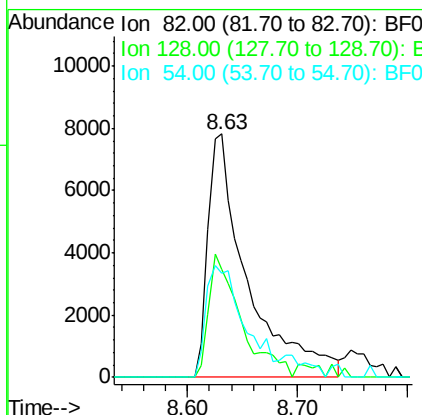
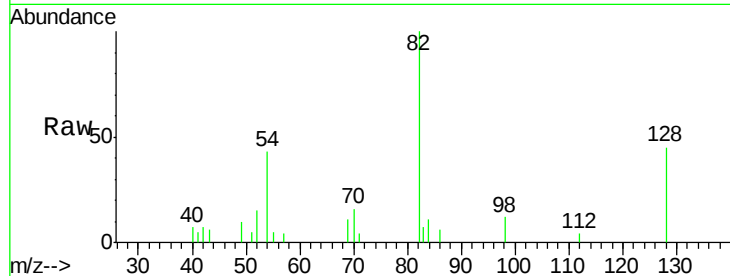




#23
 Nitrobenzene-d5
 Concen: 3.36 ng
 RT: 8.63 min Scan# 1138
 Delta R.T. -0.01 min
 Lab File: BF094868.D
 Acq: 4 May 2017 10:27

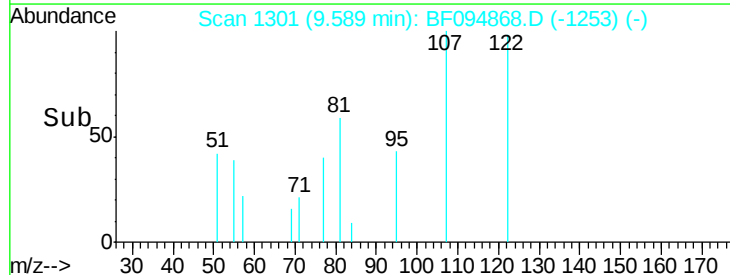
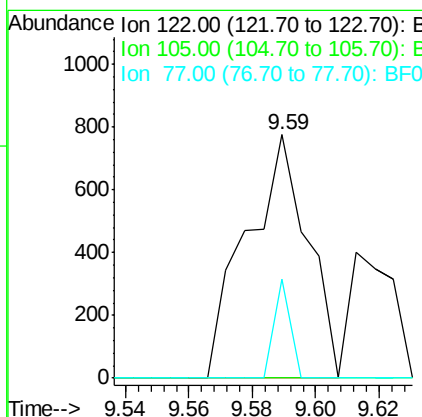
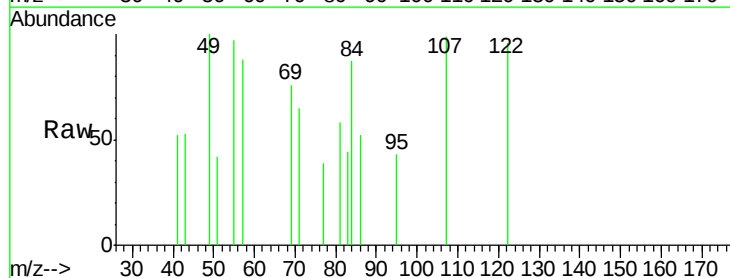
Instrument :
 BNA_F
 ClientSampleId :
 DFTPP

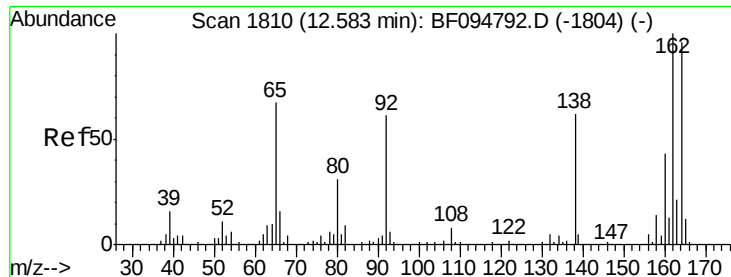
Tgt Ion: 82 Resp: 19254
 Ion Ratio Lower Upper
 82 100
 128 44.6 34.0 51.0
 54 43.0 42.2 63.2



#32
 Benzoic acid
 Concen: 5.35 ng
 RT: 9.59 min Scan# 1301
 Delta R.T. -0.02 min
 Lab File: BF094868.D
 Acq: 4 May 2017 10:27

Tgt Ion: 122 Resp: 1030
 Ion Ratio Lower Upper
 122 100
 105 0.0 103.3 143.3#
 77 40.7 73.7 113.7#





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 12.57 min Scan# 1808

Delta R.T. -0.01 min

Lab File: BF094868.D

Acq: 4 May 2017 10:27

Instrument :

BNA_F

ClientSampleId :

DFTPP

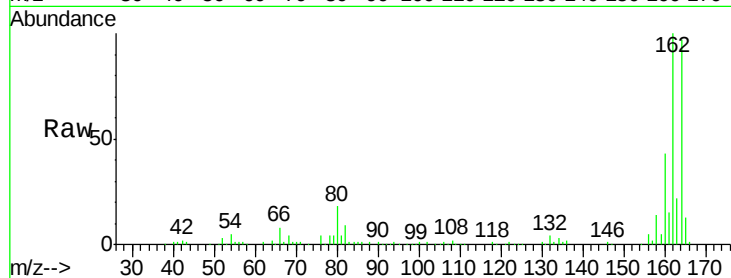
Tgt Ion:164 Resp: 150692

Ion Ratio Lower Upper

164 100

162 103.6 82.6 123.8

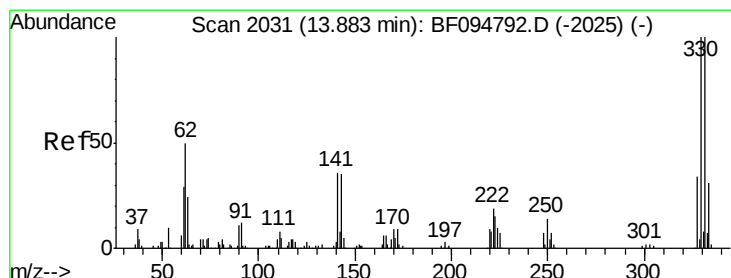
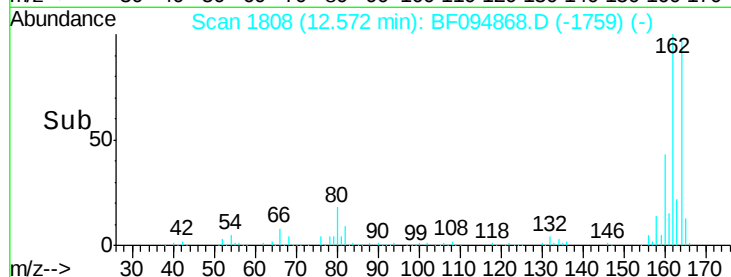
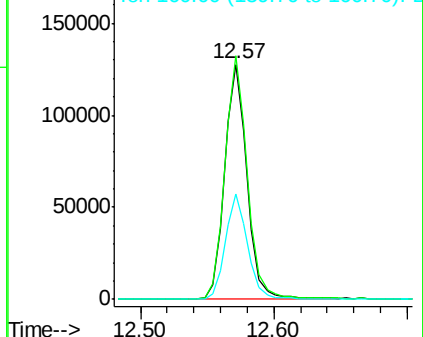
160 44.7 36.2 54.2



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: 4.40 ng

RT: 13.88 min Scan# 2030

Delta R.T. -0.01 min

Lab File: BF094868.D

Acq: 4 May 2017 10:27

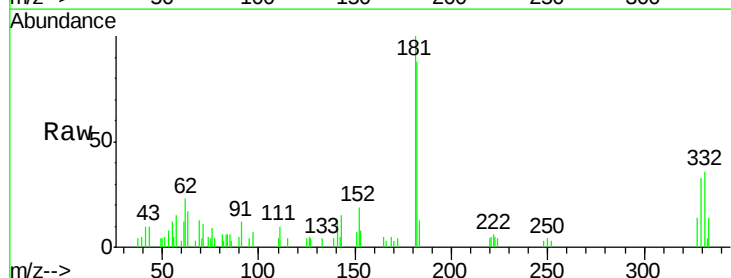
Tgt Ion:330 Resp: 5434

Ion Ratio Lower Upper

330 100

332 107.7 76.6 115.0

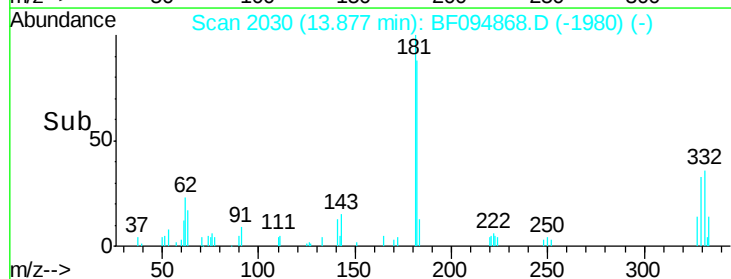
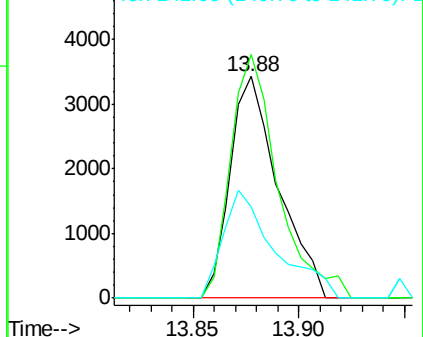
141 52.3 31.4 47.2#

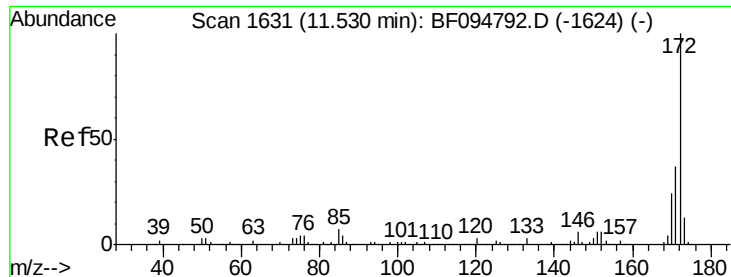


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

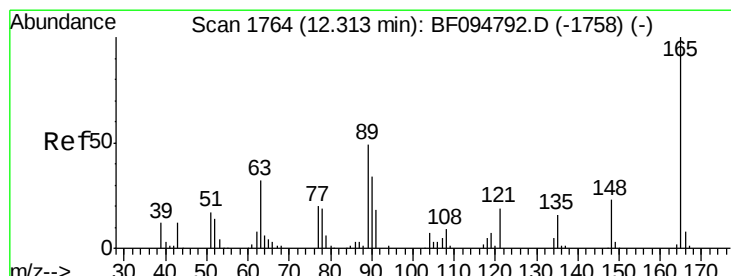
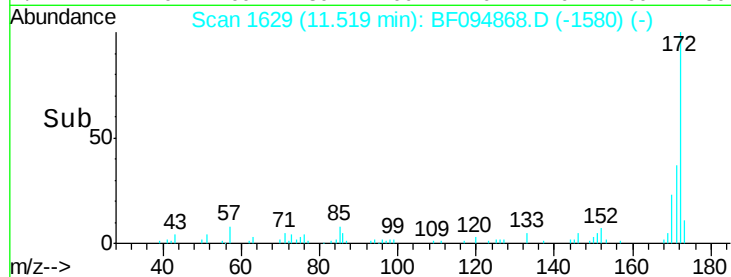
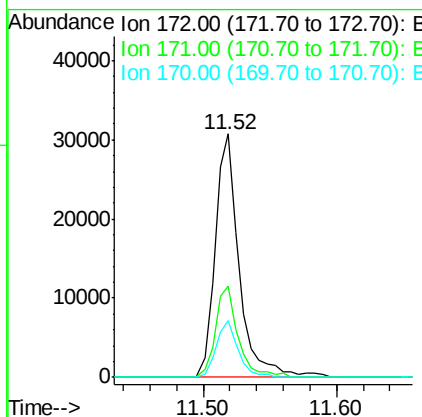
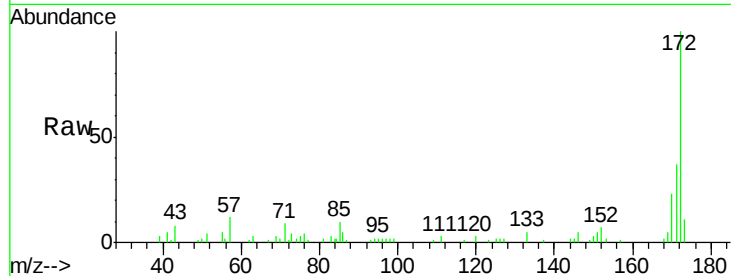




#44
 2-Fluorobiphenyl
 Concen: 3.71 ng
 RT: 11.52 min Scan# 1629
 Delta R.T. -0.01 min
 Lab File: BF094868.D
 Acq: 4 May 2017 10:27

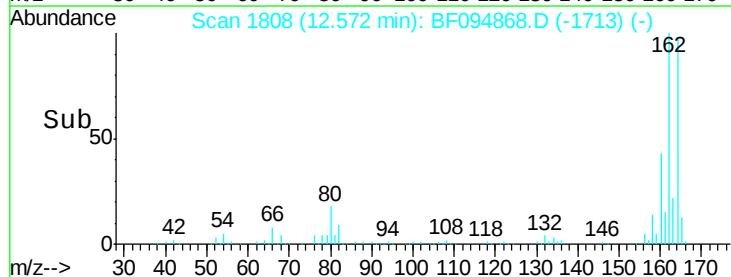
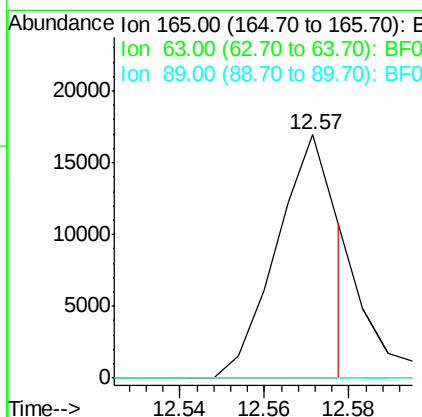
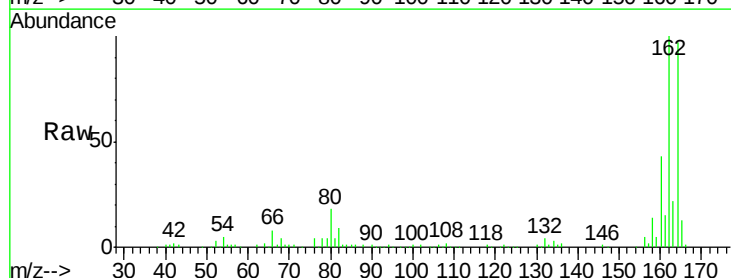
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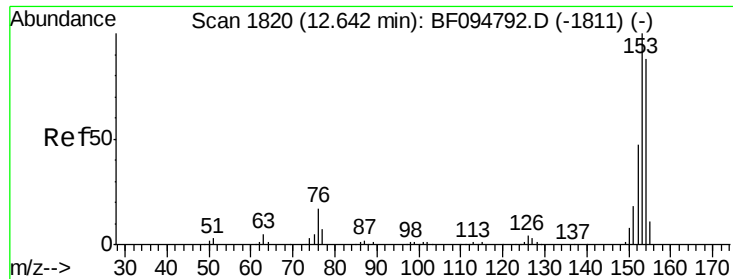
Tgt Ion:172 Resp: 38852
 Ion Ratio Lower Upper
 172 100
 171 37.3 29.6 44.4
 170 23.2 19.8 29.8



#50
 2,6-Dinitrotoluene
 Concen: 6.64 ng
 RT: 12.57 min Scan# 1808
 Delta R.T. 0.26 min
 Lab File: BF094868.D
 Acq: 4 May 2017 10:27

Tgt Ion:165 Resp: 16753
 Ion Ratio Lower Upper
 165 100
 63 0.0 34.3 51.5#
 89 0.0 37.1 55.7#





#51

Acenaphthene

Concen: 4.51 ng

RT: 12.62 min Scan# 1817

Delta R.T. -0.02 min

Lab File: BF094868.D

Acq: 4 May 2017 10:27

Instrument :

BNA_F

ClientSampleId :

DFTPP

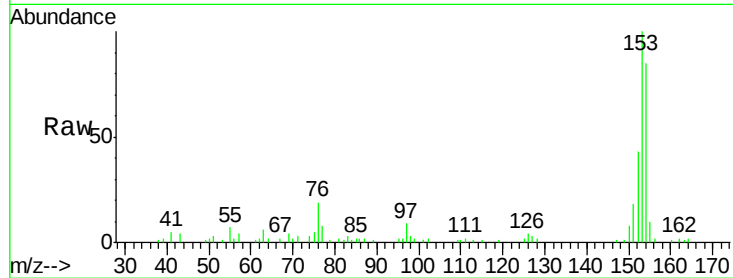
Tgt Ion:154 Resp: 43189

Ion Ratio Lower Upper

154 100

153 117.8 90.5 135.7

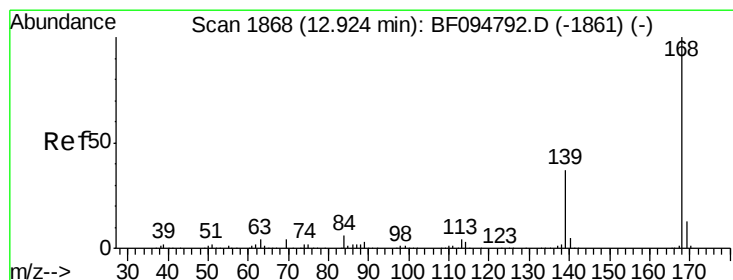
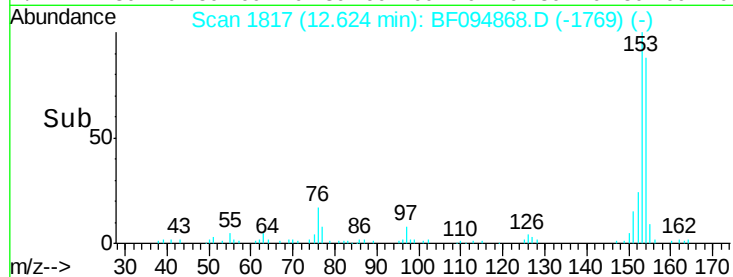
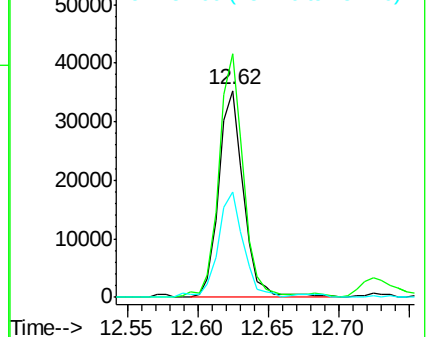
152 51.1 43.6 65.4



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E



#54

Dibenzofuran

Concen: 3.50 ng

RT: 12.91 min Scan# 1866

Delta R.T. -0.01 min

Lab File: BF094868.D

Acq: 4 May 2017 10:27

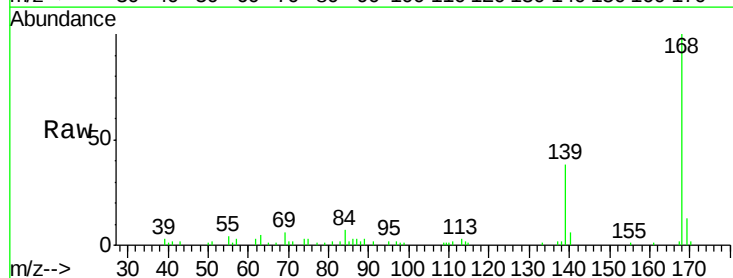
Tgt Ion:168 Resp: 46386

Ion Ratio Lower Upper

168 100

139 38.1 30.6 45.8

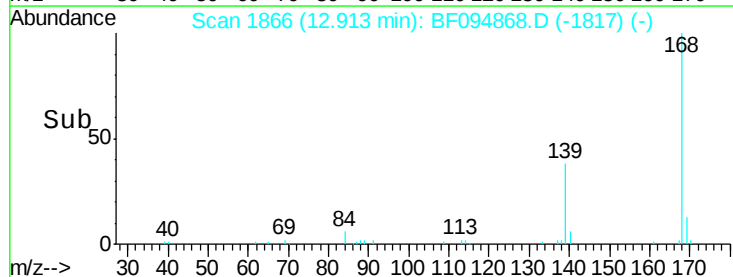
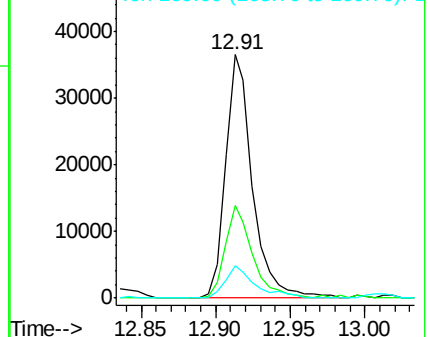
169 13.3 10.8 16.2

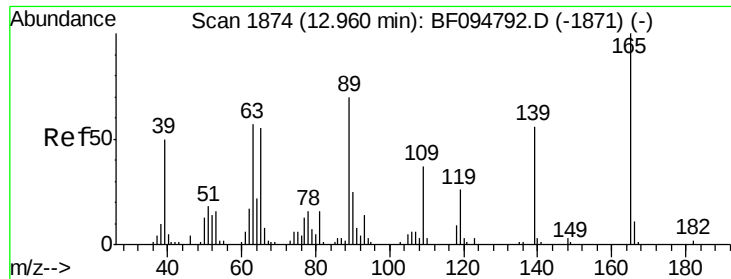


Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E

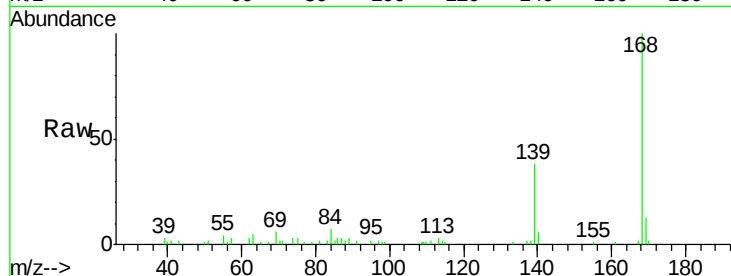




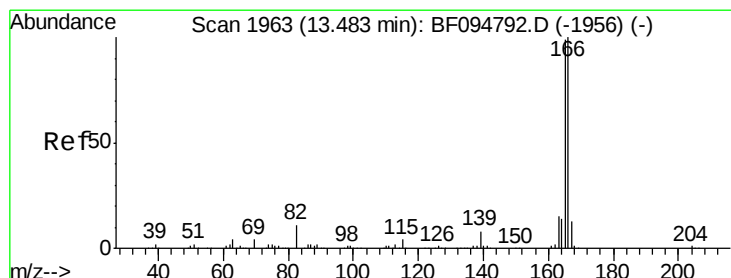
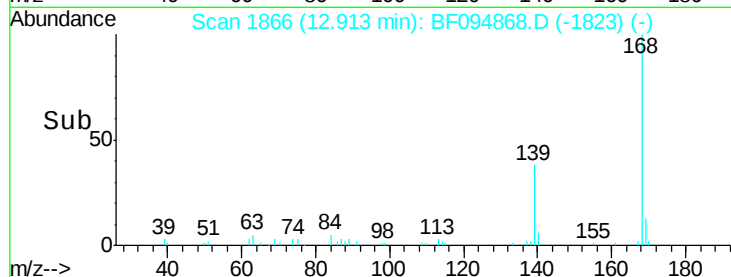
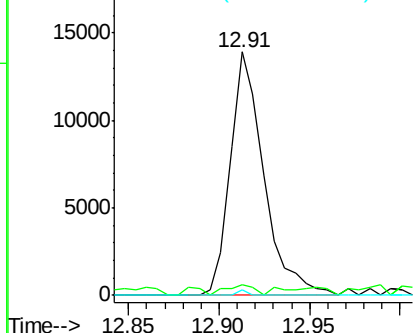
#55
4-Nitrophenol
Concen: 11.04 ng
RT: 12.91 min Scan# 1866
Delta R.T. -0.05 min
Lab File: BF094868.D
Acq: 4 May 2017 10:27

Instrument :
BNA_F
ClientSampleId :
DFTPP

Tgt Ion:139 Resp: 17968
Ion Ratio Lower Upper
139 100
109 4.5 34.1 74.1#
65 2.3 31.4 71.4#

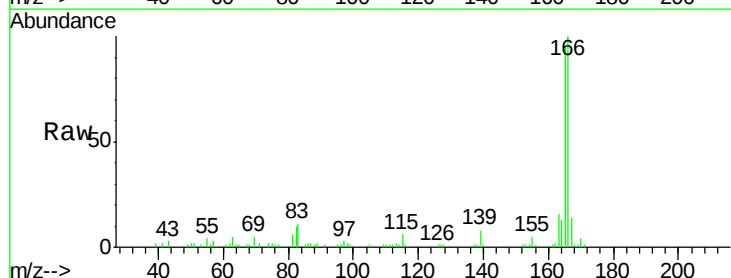


Abundance Ion 139.00 (138.70 to 139.70): E
Ion 109.00 (108.70 to 109.70): E
Ion 65.00 (64.70 to 65.70): BF0

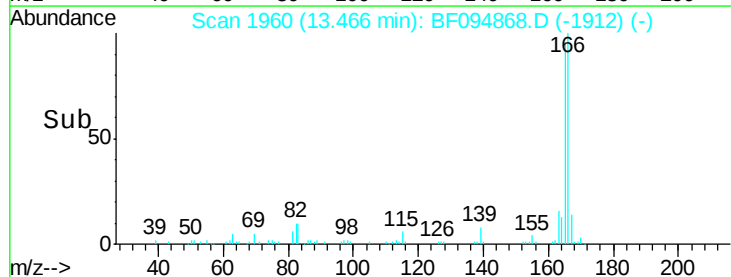
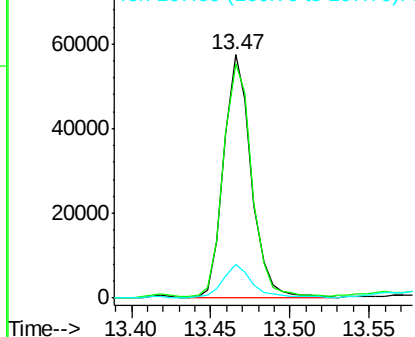


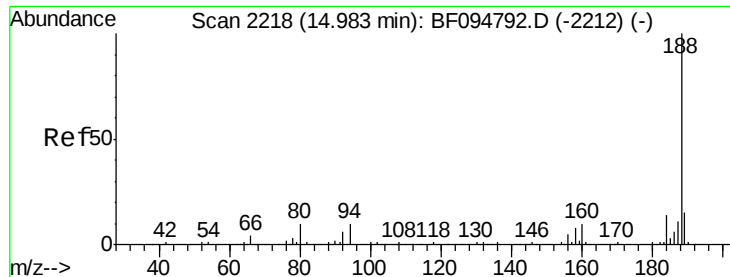
#57
Fluorene
Concen: 6.05 ng
RT: 13.47 min Scan# 1960
Delta R.T. -0.02 min
Lab File: BF094868.D
Acq: 4 May 2017 10:27

Tgt Ion:166 Resp: 69811
Ion Ratio Lower Upper
166 100
165 96.1 78.8 118.2
167 13.9 10.6 16.0



Abundance Ion 166.00 (165.70 to 166.70): E
Ion 165.00 (164.70 to 165.70): E
Ion 167.00 (166.70 to 167.70): E

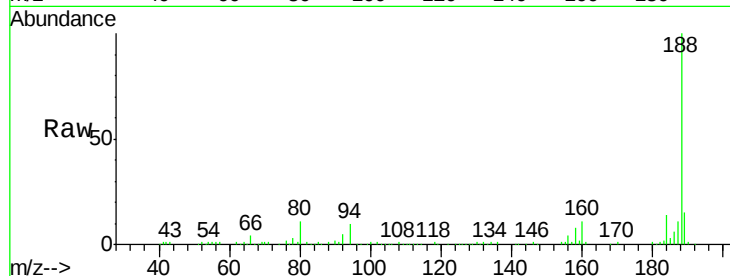




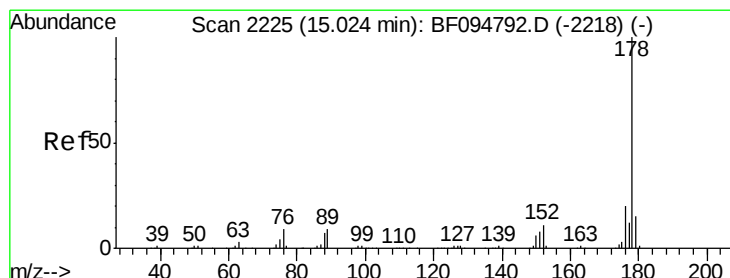
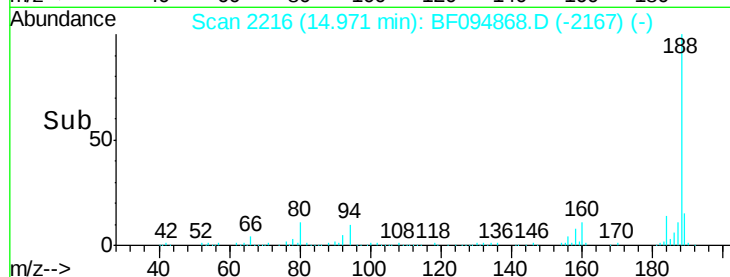
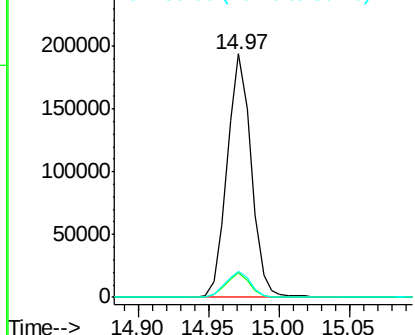
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 14.97 min Scan# 2216
Delta R.T. -0.01 min
Lab File: BF094868.D
Acq: 4 May 2017 10:27

Instrument :
BNA_F
ClientSampled :
DFTPP

Tgt Ion:188 Resp: 230029
Ion Ratio Lower Upper
188 100
94 10.1 9.4 14.2
80 10.9 10.2 15.2

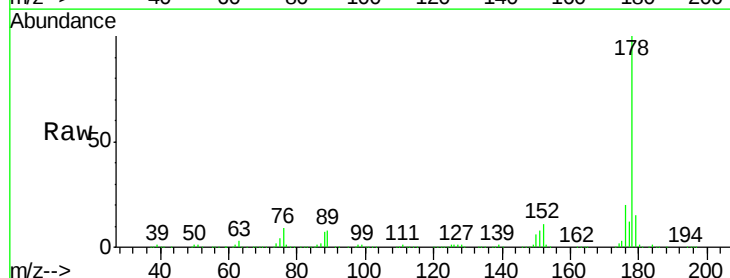


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

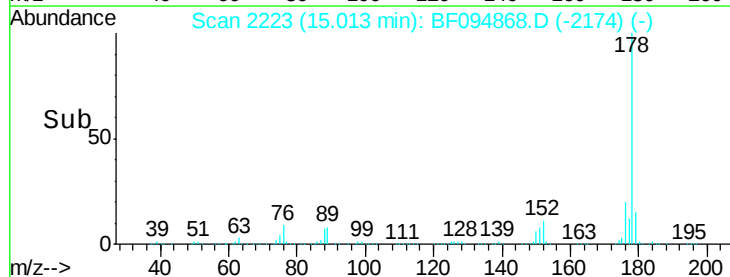
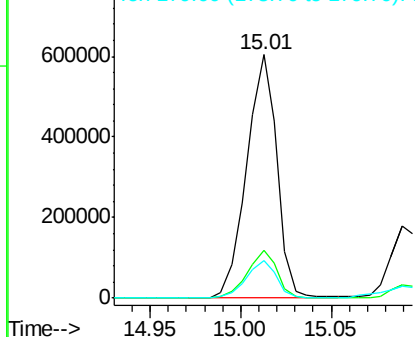


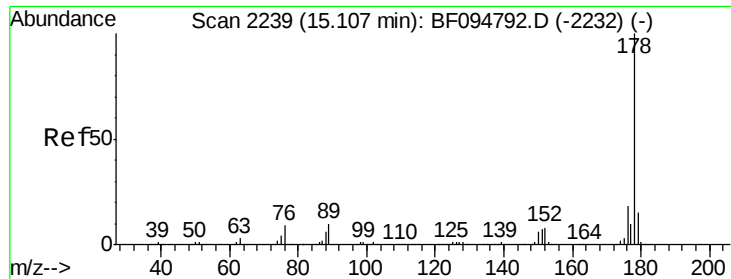
#70
Phenanthrene
Concen: 53.05 ng
RT: 15.01 min Scan# 2223
Delta R.T. -0.01 min
Lab File: BF094868.D
Acq: 4 May 2017 10:27

Tgt Ion:178 Resp: 701105
Ion Ratio Lower Upper
178 100
176 19.5 16.2 24.4
179 15.3 12.6 19.0



Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

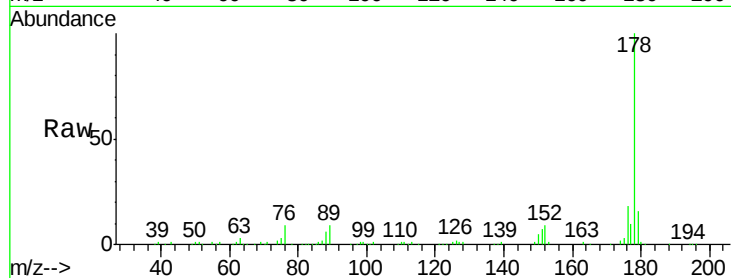




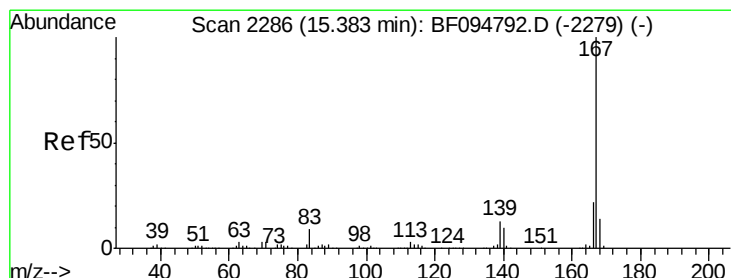
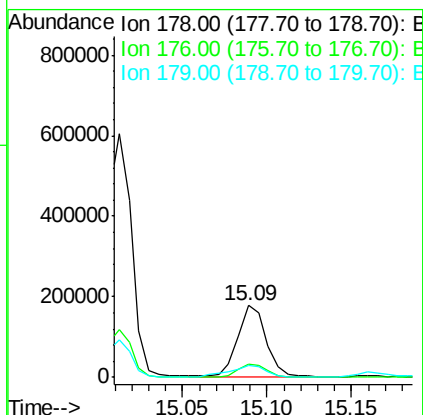
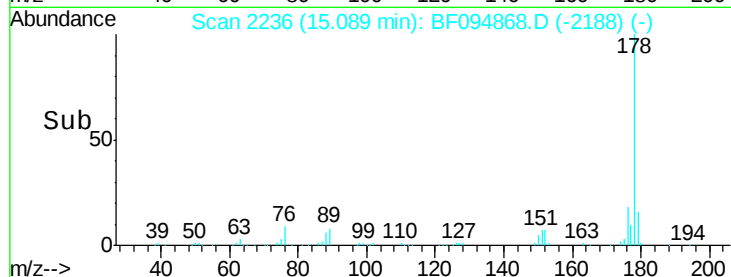
#71
 Anthracene
 Concen: 15.71 ng
 RT: 15.09 min Scan# 2236
 Delta R.T. -0.02 min
 Lab File: BF094868.D
 Acq: 4 May 2017 10:27

Instrument :
 BNA_F
 ClientSampleId :
 DFTPP

Tgt Ion:178 Resp: 212072
 Ion Ratio Lower Upper
 178 100
 176 18.2 15.8 23.8
 179 16.1 12.7 19.1

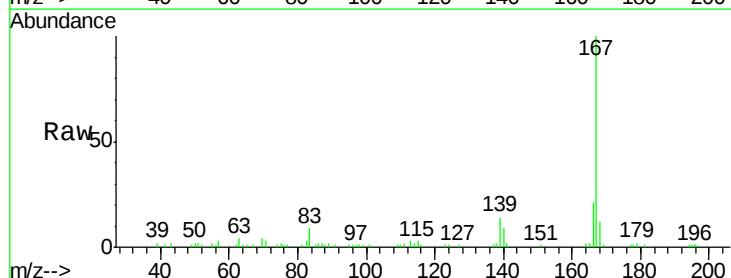


Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E

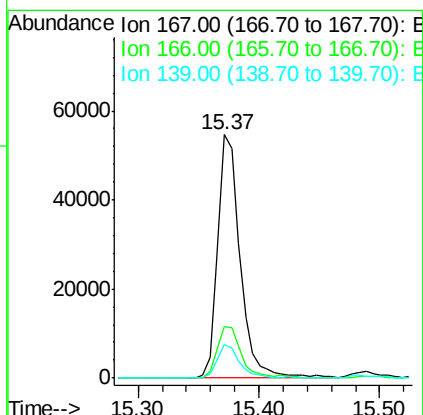
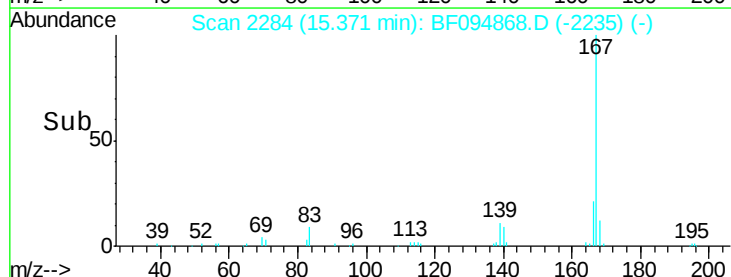


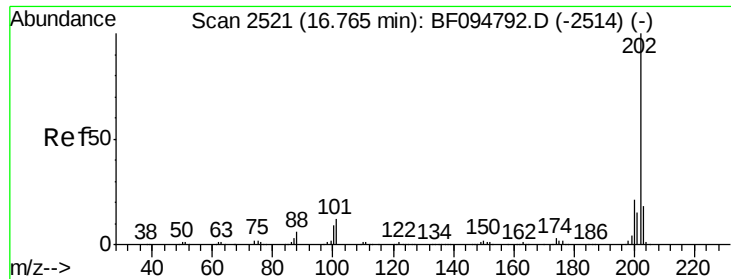
#72
 Carbazole
 Concen: 5.71 ng
 RT: 15.37 min Scan# 2284
 Delta R.T. -0.01 min
 Lab File: BF094868.D
 Acq: 4 May 2017 10:27

Tgt Ion:167 Resp: 70079
 Ion Ratio Lower Upper
 167 100
 166 21.1 18.1 27.1
 139 13.9 11.7 17.5



Abundance Ion 167.00 (166.70 to 167.70): E
 Ion 166.00 (165.70 to 166.70): E
 Ion 139.00 (138.70 to 139.70): E





#74

Fluoranthene

Concen: 50.92 ng

RT: 16.75 min Scan# 2519

Delta R.T. -0.01 min

Lab File: BF094868.D

Acq: 4 May 2017 10:27

Instrument :

BNA_F

ClientSampleId :

DFTPP

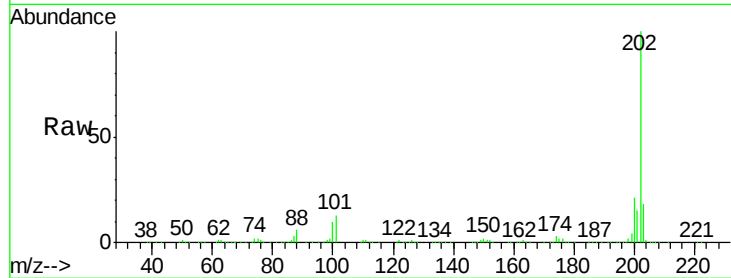
Tgt Ion:202 Resp: 690403

Ion Ratio Lower Upper

202 100

101 13.3 0.0 33.2

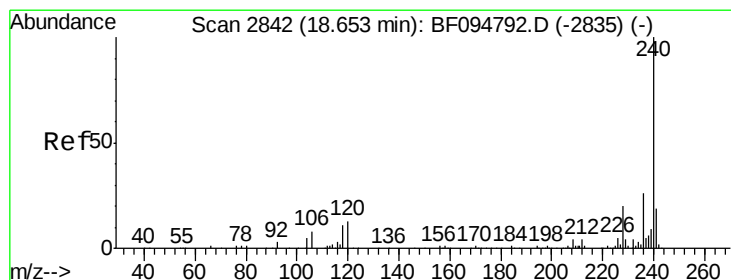
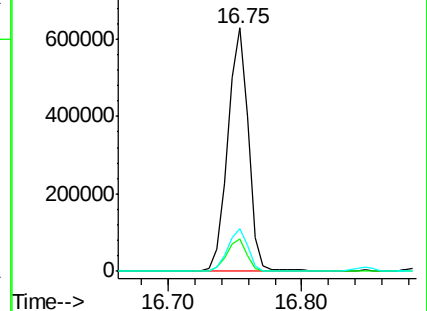
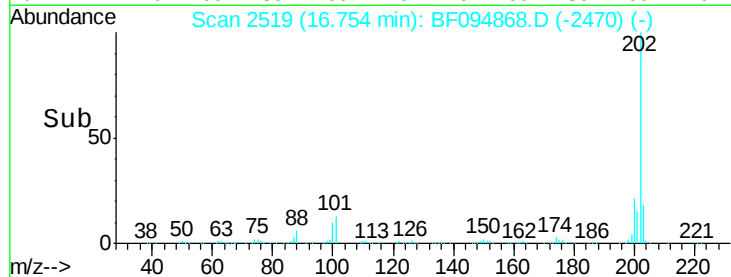
203 17.7 0.0 38.1



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: 18.64 min Scan# 2839

Delta R.T. -0.02 min

Lab File: BF094868.D

Acq: 4 May 2017 10:27

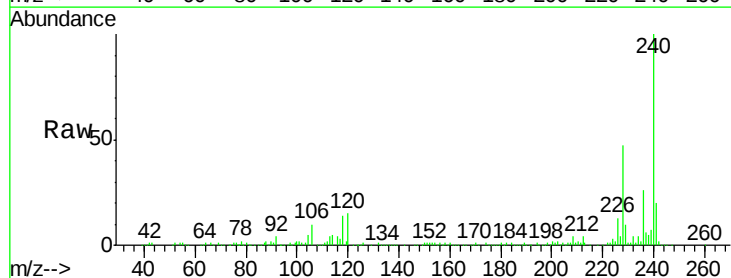
Tgt Ion:240 Resp: 202113

Ion Ratio Lower Upper

240 100

120 14.9 5.8 8.8#

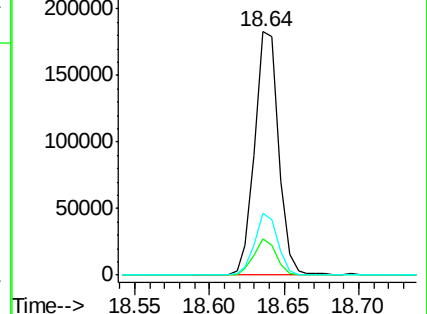
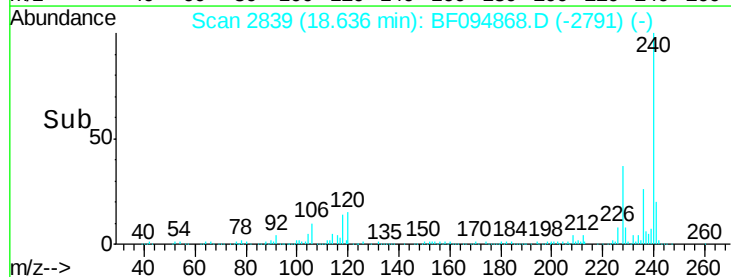
236 25.6 20.5 30.7

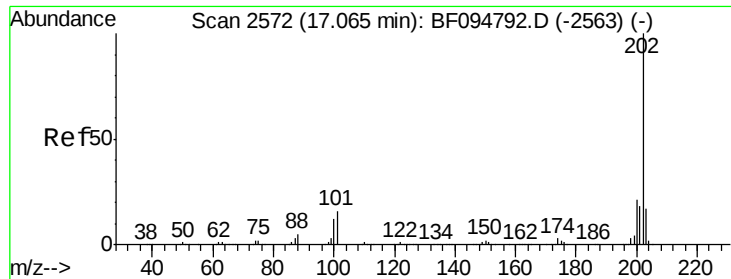


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pyrene

Concen: 38.77 ng

RT: 17.05 min Scan# 2570

Delta R.T. -0.01 min

Lab File: BF094868.D

Acq: 4 May 2017 10:27

Instrument :

BNA_F

ClientSampleId :

DFTPP

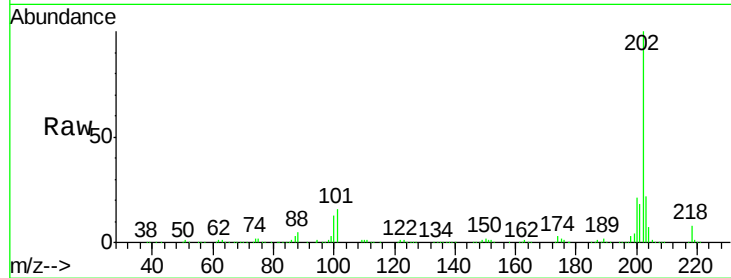
Tgt Ion:202 Resp: 586026

Ion Ratio Lower Upper

202 100

200 20.9 17.6 26.4

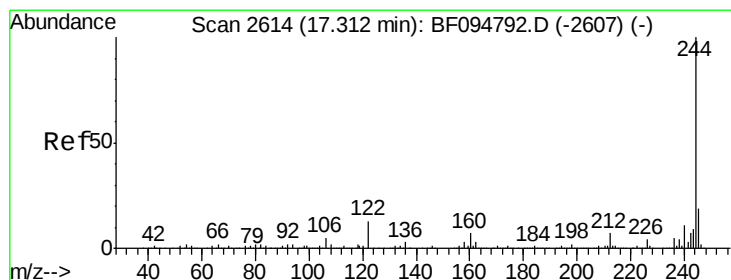
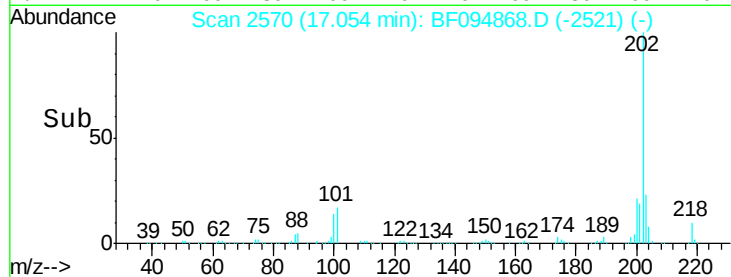
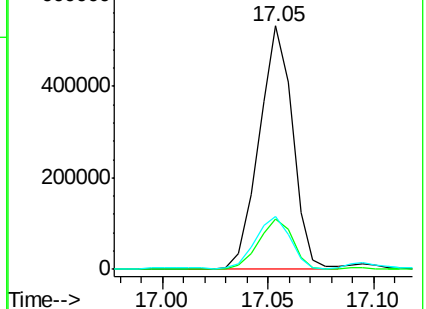
203 21.6 14.4 21.6



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: 2.71 ng

RT: 17.29 min Scan# 2611

Delta R.T. -0.02 min

Lab File: BF094868.D

Acq: 4 May 2017 10:27

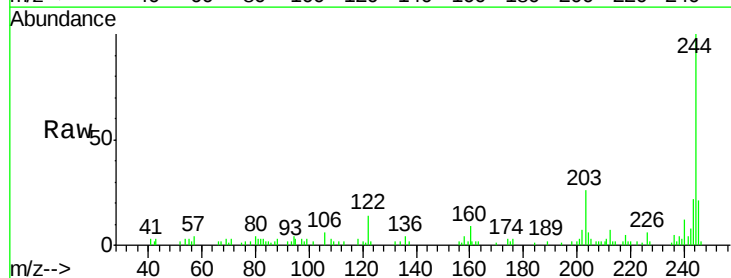
Tgt Ion:244 Resp: 24833

Ion Ratio Lower Upper

244 100

212 7.4 6.0 9.0

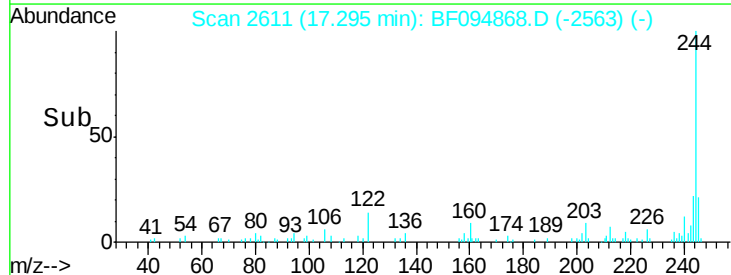
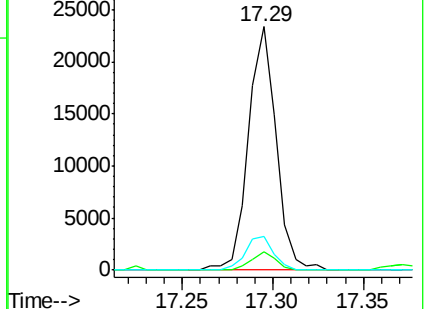
122 13.6 10.3 15.5

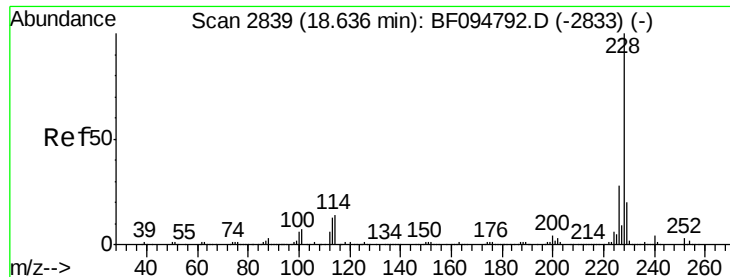


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#80

Benzo(a)anthracene

Concen: 19.56 ng

RT: 18.62 min Scan# 2837

Delta R.T. -0.01 min

Lab File: BF094868.D

Acq: 4 May 2017 10:27

Instrument :

BNA_F

ClientSampleId :

DFTPP

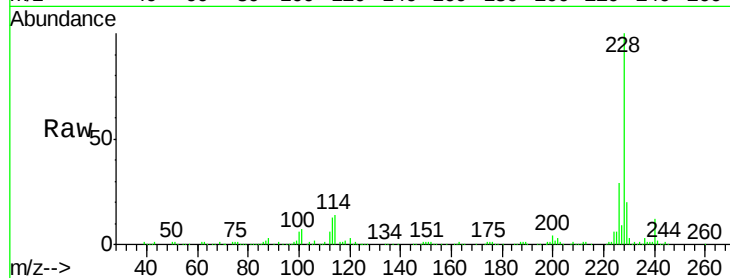
Tgt Ion:228 Resp: 230108

Ion Ratio Lower Upper

228 100

226 28.8 22.6 33.8

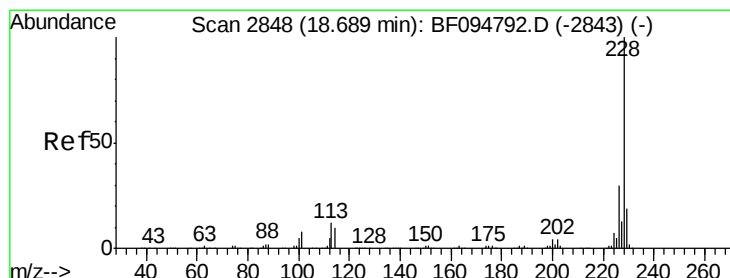
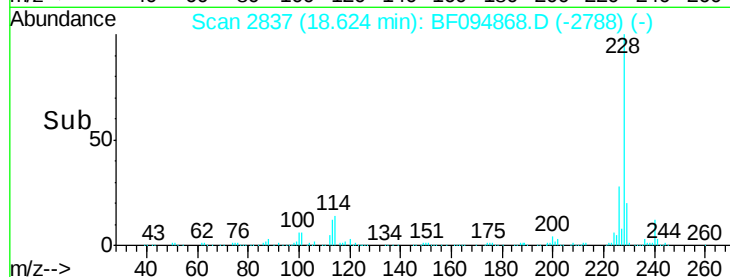
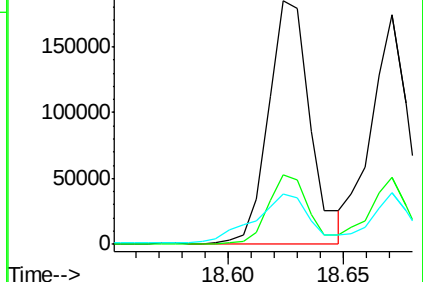
229 20.5 16.3 24.5



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: 16.91 ng

RT: 18.67 min Scan# 2845

Delta R.T. -0.02 min

Lab File: BF094868.D

Acq: 4 May 2017 10:27

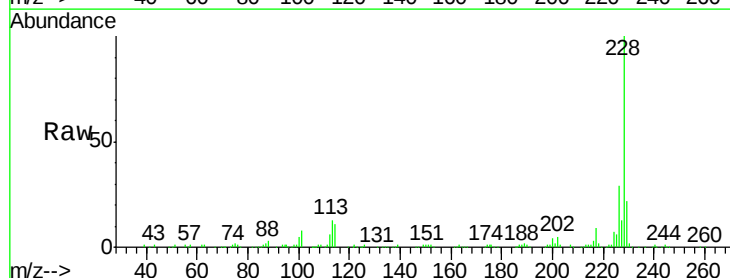
Tgt Ion:228 Resp: 192319

Ion Ratio Lower Upper

228 100

226 29.3 24.9 37.3

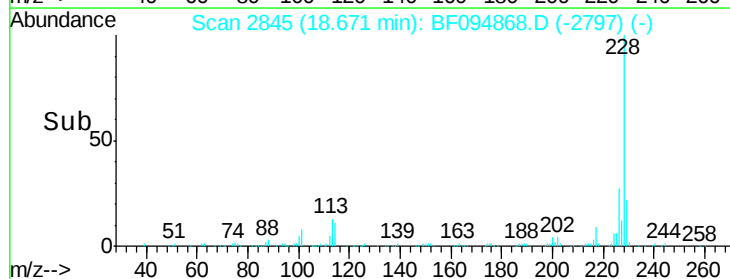
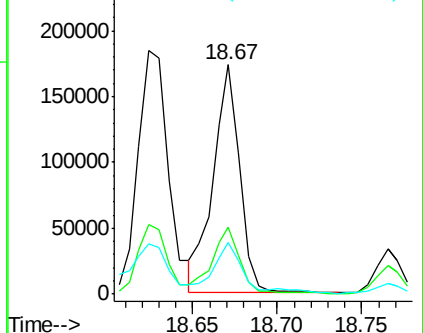
229 22.5 15.8 23.6

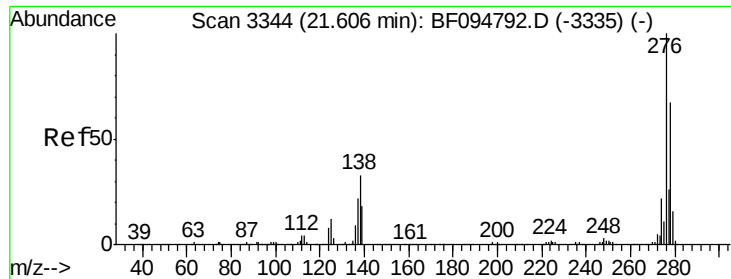


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

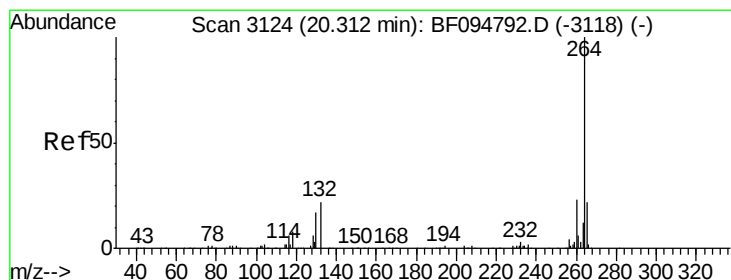
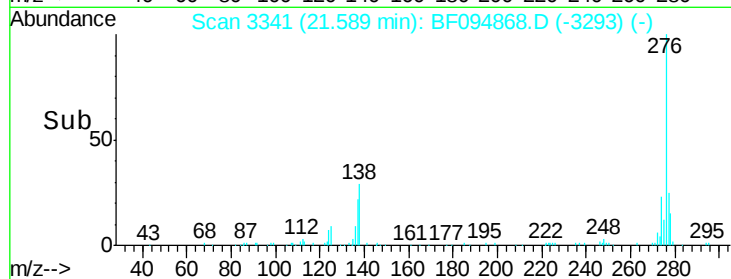
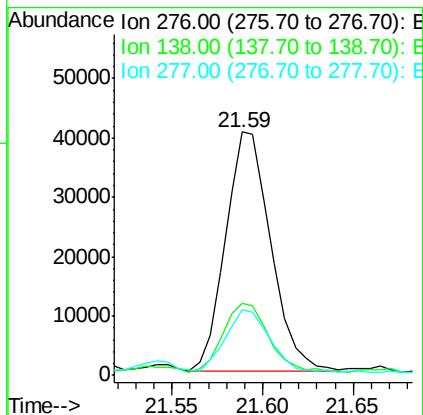
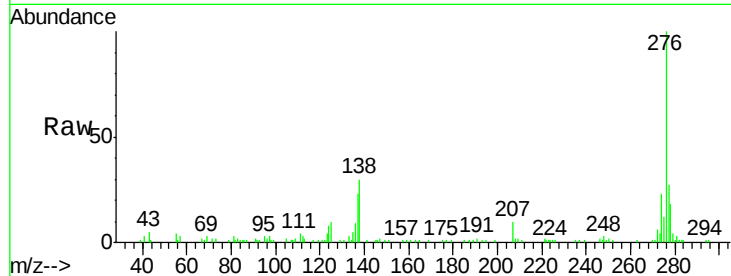




#85
 Indeno(1,2,3-cd)pyrene
 Concen: 7.54 ng
 RT: 21.59 min Scan# 3341
 Delta R.T. -0.02 min
 Lab File: BF094868.D
 Acq: 4 May 2017 10:27

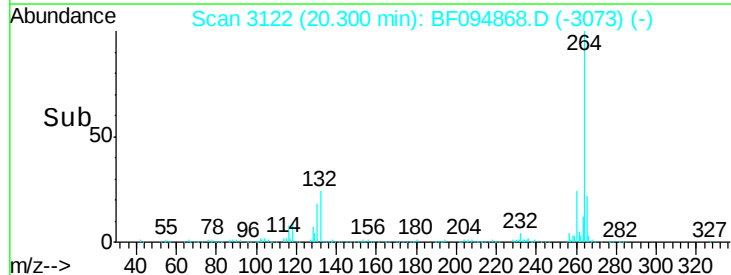
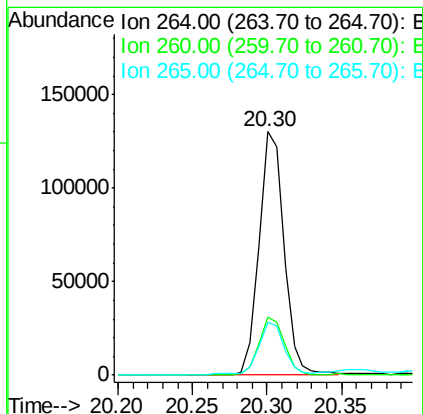
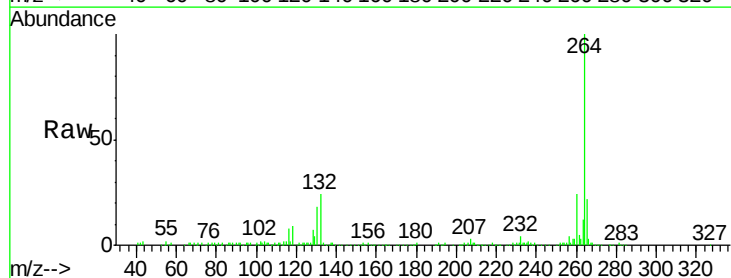
Instrument :
 BNA_F
 ClientSampleID :
 DFTPP

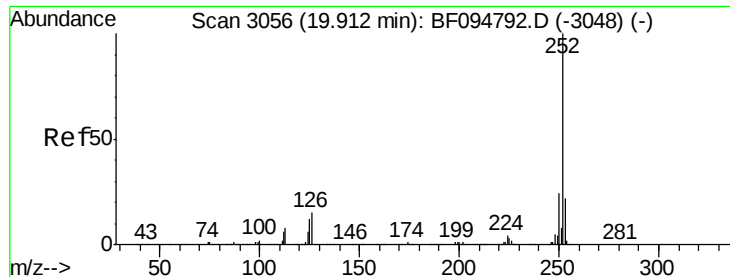
Tgt Ion: 276 Resp: 69648
 Ion Ratio Lower Upper
 276 100
 138 31.6 27.8 41.6
 277 26.2 20.2 30.4



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 20.30 min Scan# 3122
 Delta R.T. -0.01 min
 Lab File: BF094868.D
 Acq: 4 May 2017 10:27

Tgt Ion: 264 Resp: 149758
 Ion Ratio Lower Upper
 264 100
 260 23.7 19.5 29.3
 265 21.6 17.2 25.8

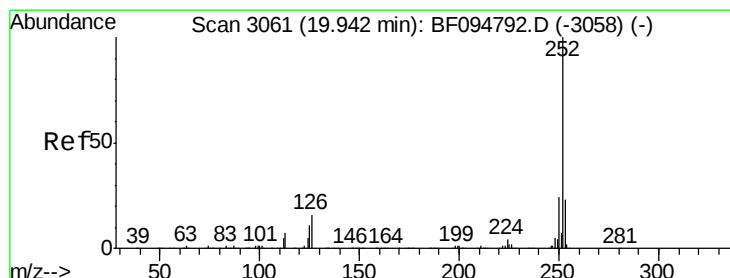
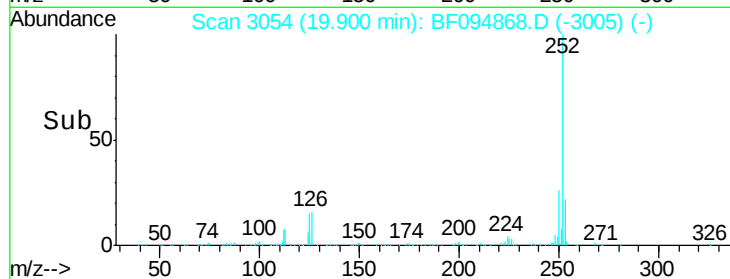
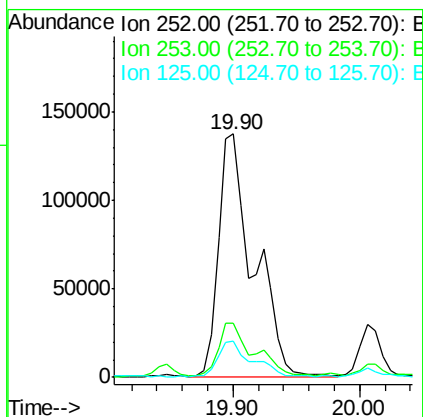
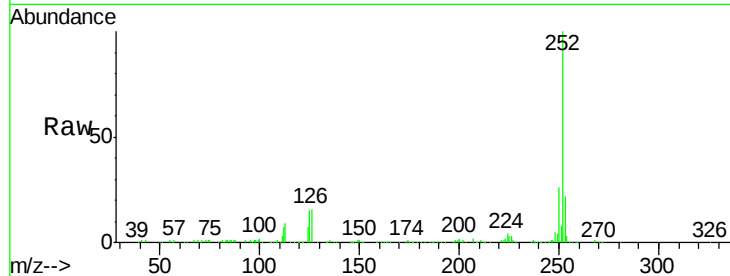




#87
Benzo(b)fluoranthene
Concen: 28.51 ng
RT: 19.90 min Scan# 3054
Delta R.T. -0.01 min
Lab File: BF094868.D
Acq: 4 May 2017 10:27

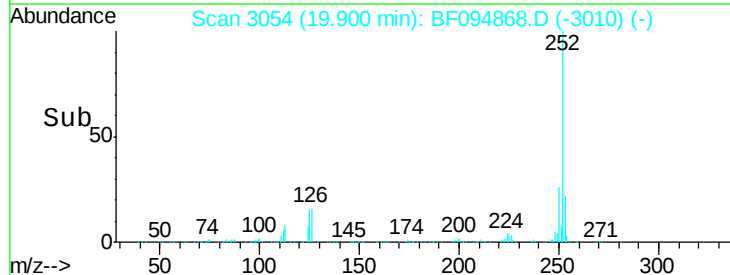
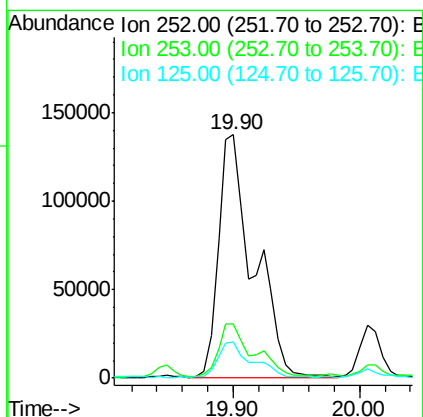
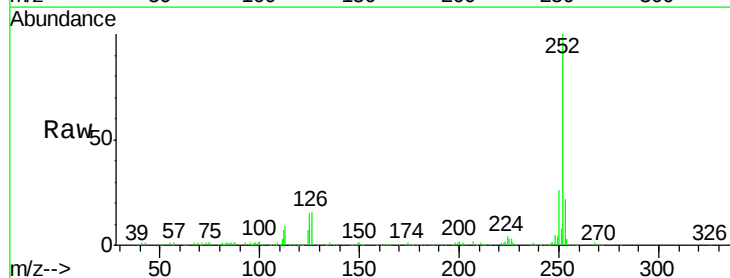
Instrument :
BNA_F
ClientSampleId :
DFTPP

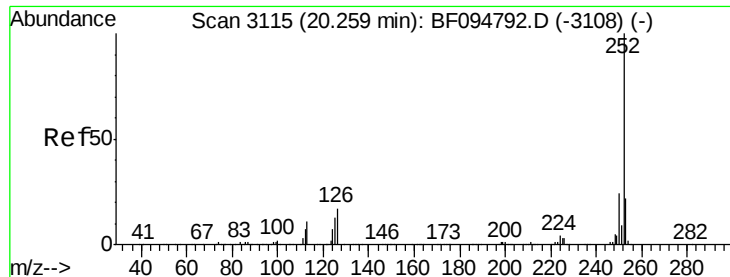
Tgt Ion:252 Resp: 263797
Ion Ratio Lower Upper
252 100
253 22.2 18.1 27.1
125 14.9 9.8 14.8#



#88
Benzo(k)fluoranthene
Concen: 29.55 ng
RT: 19.90 min Scan# 3054
Delta R.T. -0.04 min
Lab File: BF094868.D
Acq: 4 May 2017 10:27

Tgt Ion:252 Resp: 263797
Ion Ratio Lower Upper
252 100
253 22.2 18.4 27.6
125 14.9 13.1 19.7





#89

Benzo(a)pyrene

Concen: 18.18 ng

RT: 20.25 min Scan# 3113

Delta R.T. -0.01 min

Lab File: BF094868.D

Acq: 4 May 2017 10:27

Instrument :

BNA_F

ClientSampleId :

DFTPP

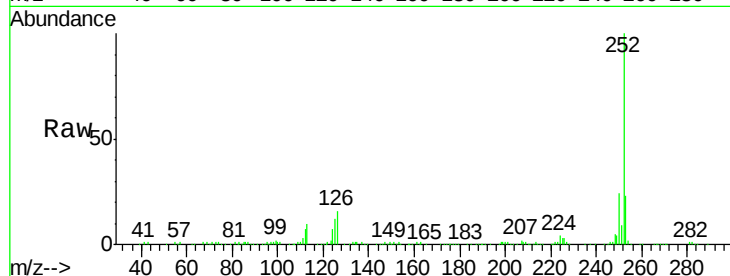
Tgt Ion:252 Resp: 155244

Ion Ratio Lower Upper

252 100

253 23.2 17.5 26.3

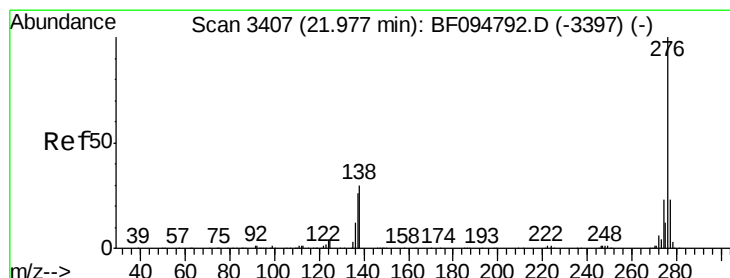
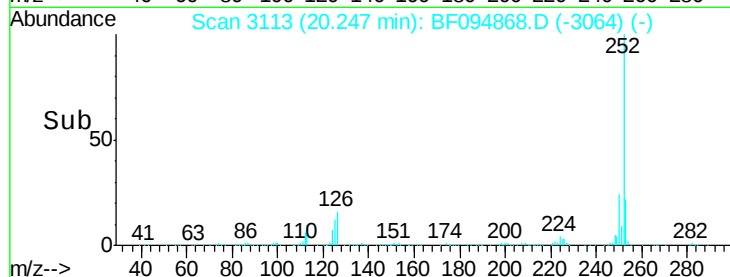
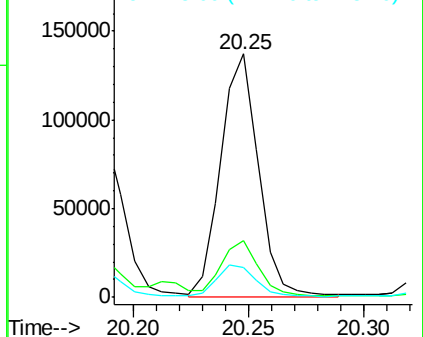
125 12.3 11.0 16.4



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



#91

Benzo(g,h,i)perylene

Concen: 10.05 ng

RT: 21.97 min Scan# 3405

Delta R.T. -0.01 min

Lab File: BF094868.D

Acq: 4 May 2017 10:27

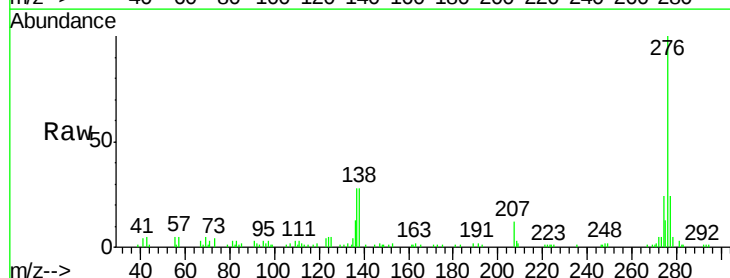
Tgt Ion:276 Resp: 69579

Ion Ratio Lower Upper

276 100

277 23.5 18.6 28.0

138 28.1 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

