

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF091015\
 Data File : BF081579.D
 Acq On : 10 Sep 2015 22:10
 Operator : UM/IZ
 Sample : G3590-05
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TYB5(1.5-2)

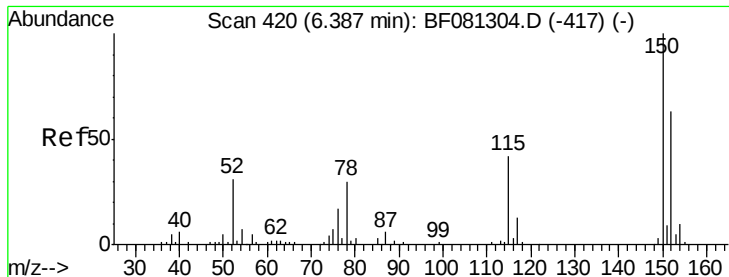
Quant Time: Sep 11 13:37:29 2015
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF090115.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Sep 11 00:38:02 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.27	152	44335	20.00	ng	0.01
21) Naphthalene-d8	11.17	136	152241	20.00	ng	0.00
38) Acenaphthene-d10	15.30	164	57665	20.00	ng	0.00
63) Phenanthrene-d10	18.81	188	110189	20.00	ng	0.00
75) Chrysene-d12	23.42	240	83815	20.00	ng	0.00
86) Perylene-d12	24.87	264	48008	20.00	ng	0.02

System Monitoring Compounds						
5) 2-Fluorophenol	5.45	112	324507	113.56	ng	0.03
7) Phenol-d6	7.71	99	421015	111.31	ng	0.02
23) Nitrobenzene-d5	9.57	82	259362	82.19	ng	0.00
41) 2,4,6-Tribromophenol	17.21	330	58642	114.21	ng	0.00
44) 2-Fluorobiphenyl	13.82	172	407513	90.56	ng	0.00
78) Terphenyl-d14	22.15	244	317740	88.25	ng	0.00

Target Compounds						Qvalue
49) Dimethylphthalate	14.87	163	85534	19.09	ng	# 97
70) Phenanthrene	18.87	178	54007	8.82	ng	97
71) Anthracene	18.98	178	23560	3.74	ng	97
72) Carbazole	19.48	167	12923	2.19	ng	# 93
74) Fluoranthene	21.48	202	133775	20.17	ng	88
77) Pyrene	21.82	202	124285	20.02	ng	97
79) Butylbenzylphthalate	22.85	149	6605	2.45	ng	# 68
80) Benzo(a)anthracene	23.42	228	47832	8.96	ng	96
82) Chrysene	23.45	228	48904m	10.22	ng	
83) Bis(2-ethylhexyl)phthalate	23.53	149	16182	4.54	ng	# 97
85) Indeno(1,2,3-cd)pyrene	25.94	276	21107m	6.01	ng	
87) Benzo(b)fluoranthene	24.53	252	49619m	14.48	ng	
88) Benzo(k)fluoranthene	24.55	252	16724m	5.88	ng	
89) Benzo(a)pyrene	24.82	252	27376	9.43	ng	# 90
90) Dibenzo(a,h)anthracene	25.96	278	5879	2.62	ng	# 68
91) Benzo(g,h,i)perylene	26.26	276	24869	11.61	ng	# 75

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

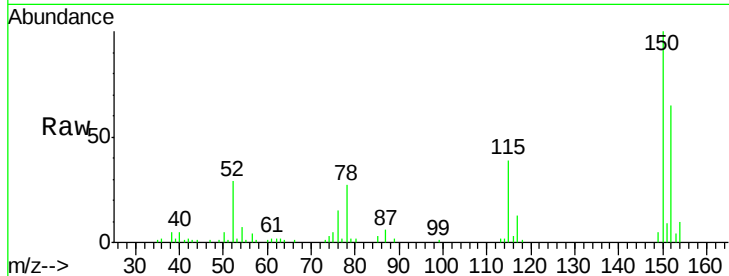


#1

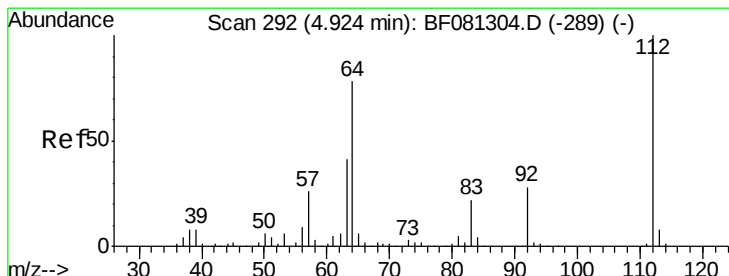
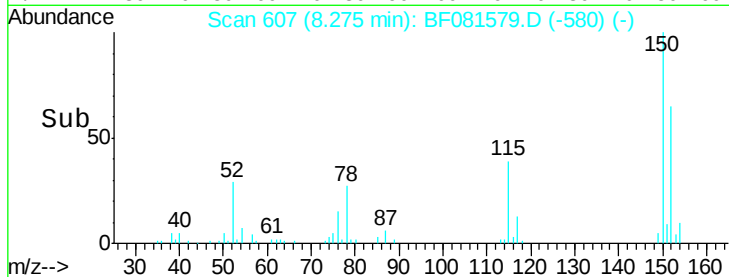
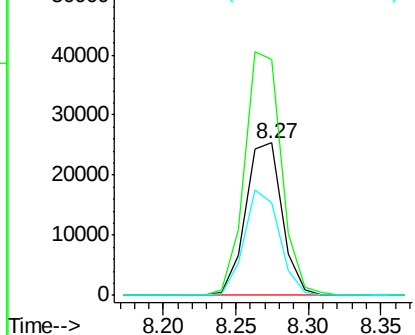
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 8.27 min Scan# 607
Delta R.T. 0.01 min
Lab File: BF081579.D
Acq: 10 Sep 2015 22:10

Instrument :
BNA_F
ClientSampleId :
TYB5(1.5-2)

Tgt Ion:152 Resp: 44335
Ion Ratio Lower Upper
152 100
150 155.0 124.7 187.1
115 61.0 39.0 58.4#



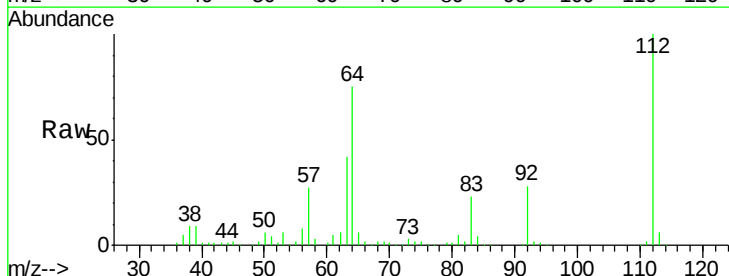
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



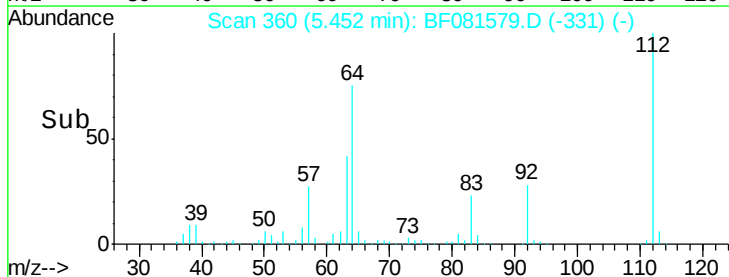
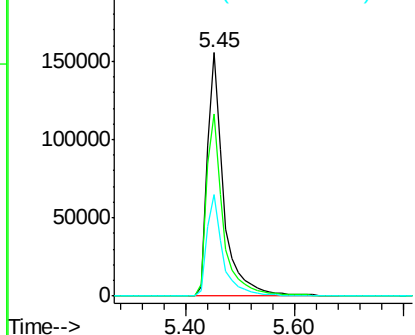
#5

2-Fluorophenol
Concen: 113.56 ng
RT: 5.45 min Scan# 360
Delta R.T. 0.03 min
Lab File: BF081579.D
Acq: 10 Sep 2015 22:10

Tgt Ion:112 Resp: 324507
Ion Ratio Lower Upper
112 100
64 75.0 39.7 59.5#
63 41.9 17.4 26.0#



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: 111.31 ng

RT: 7.71 min Scan# 558

Delta R.T. 0.02 min

Lab File: BF081579.D

Acq: 10 Sep 2015 22:10

Instrument :

BNA_F

ClientSampled :

TYB5(1.5-2)

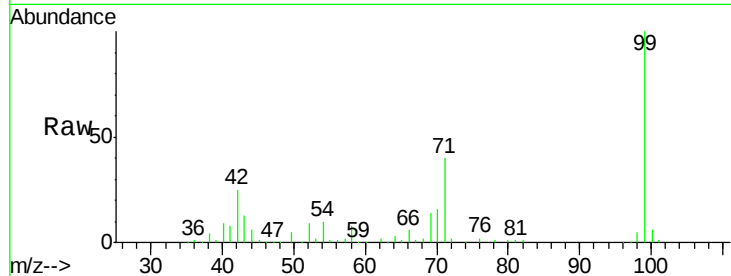
Tgt Ion: 99 Resp: 421015

Ion Ratio Lower Upper

99 100

42 24.9 13.7 20.5#

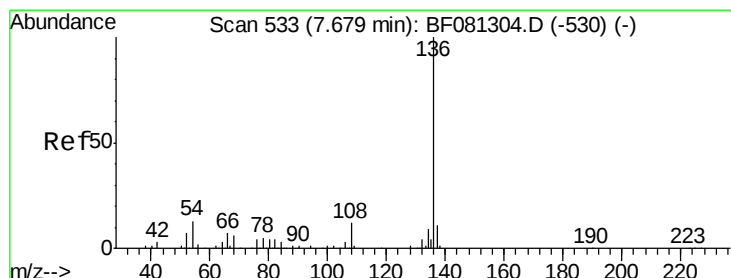
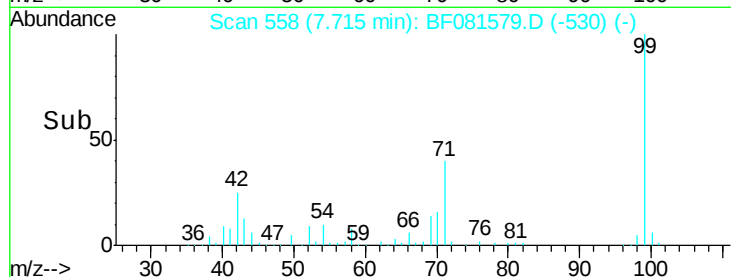
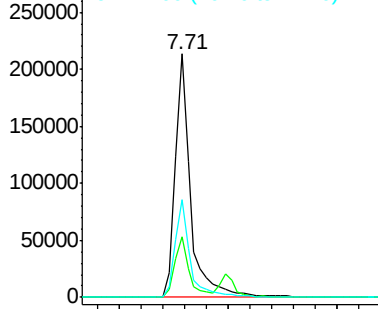
71 40.3 14.2 21.2#



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: 11.17 min Scan# 860

Delta R.T. -0.00 min

Lab File: BF081579.D

Acq: 10 Sep 2015 22:10

Tgt Ion: 136 Resp: 152241

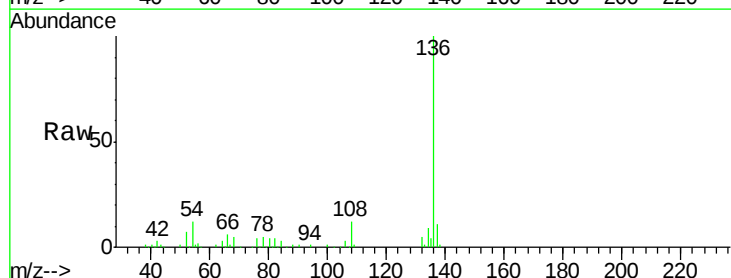
Ion Ratio Lower Upper

136 100

137 11.2 9.0 13.6

54 12.3 8.2 12.2#

68 5.4 5.8 8.6#

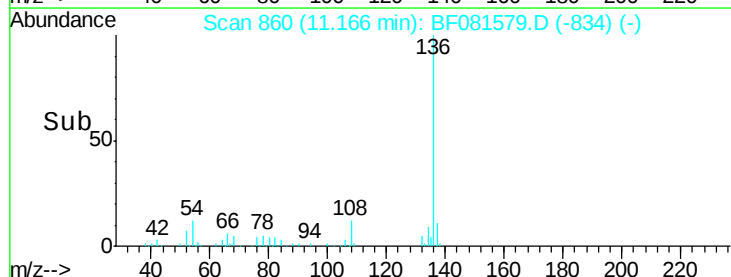
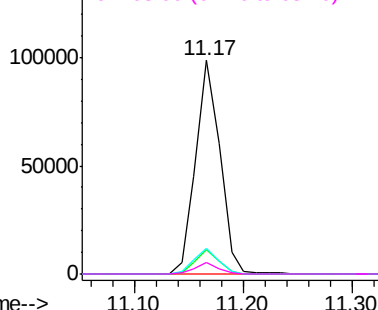


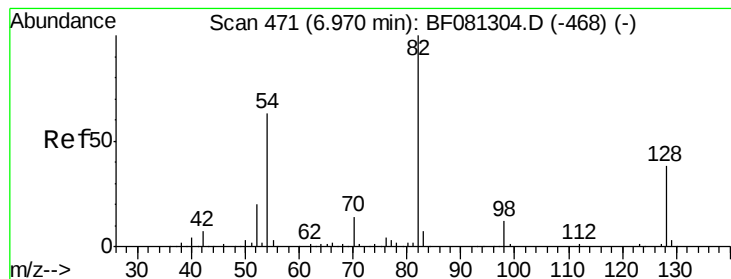
Abundance Ion 136.00 (135.70 to 136.70): E

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: 82.19 ng

RT: 9.57 min Scan# 720

Delta R.T. -0.00 min

Lab File: BF081579.D

Acq: 10 Sep 2015 22:10

Instrument :

BNA_F

ClientSampleId :

TYB5(1.5-2)

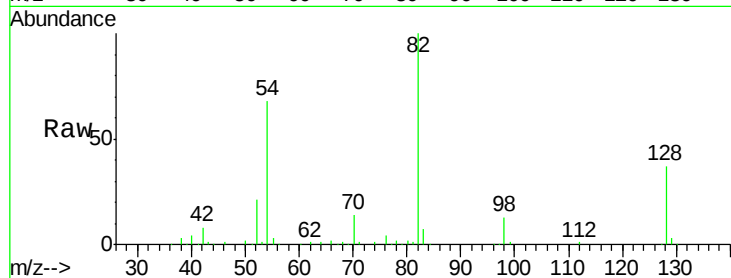
Tgt Ion: 82 Resp: 259362

Ion Ratio Lower Upper

82 100

128 37.1 51.0 76.6#

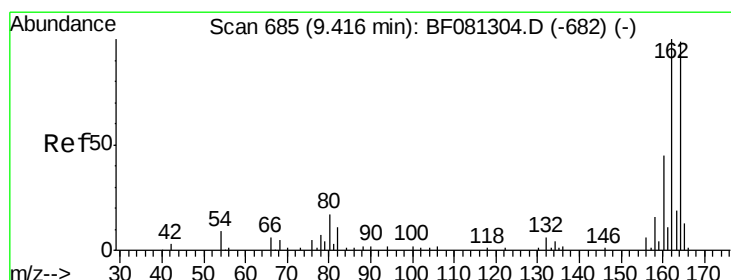
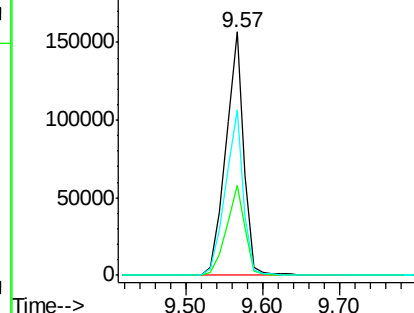
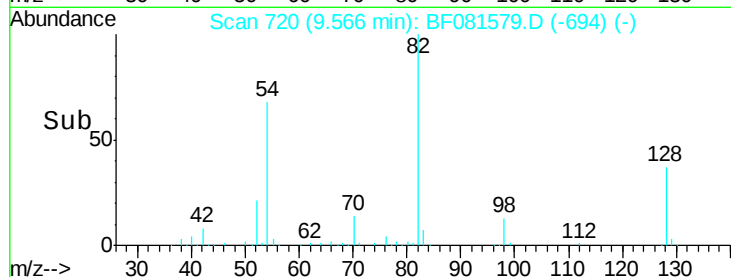
54 67.8 47.5 71.3



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: 15.30 min Scan# 1222

Delta R.T. -0.00 min

Lab File: BF081579.D

Acq: 10 Sep 2015 22:10

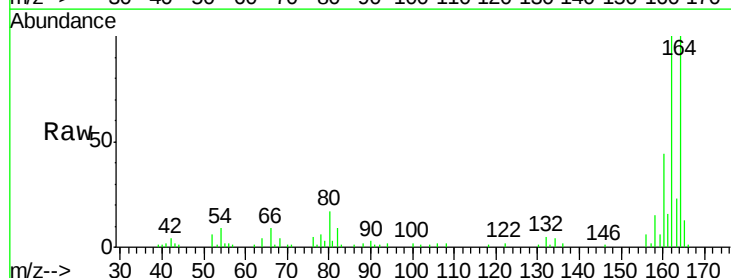
Tgt Ion: 164 Resp: 57665

Ion Ratio Lower Upper

164 100

162 100.3 75.2 112.8

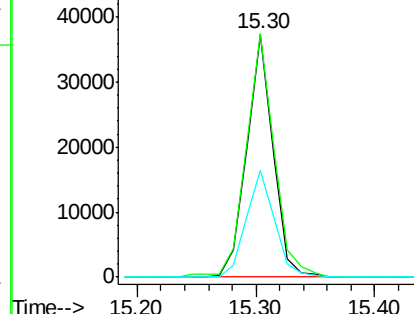
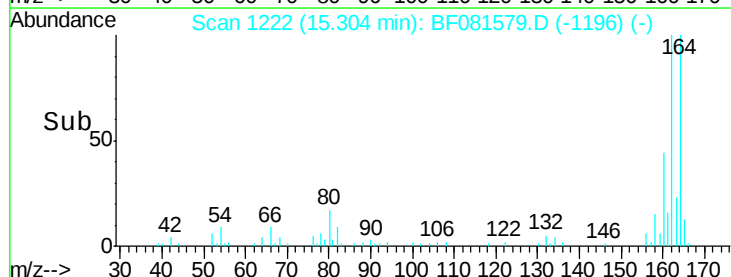
160 44.0 31.5 47.3



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

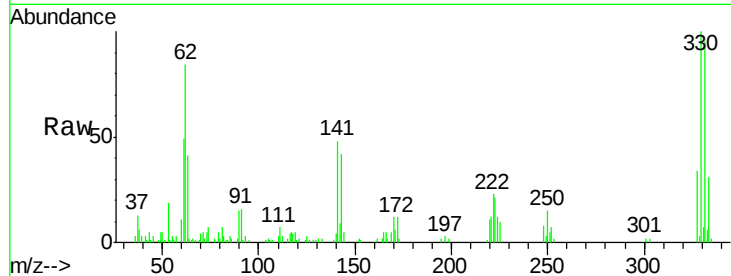




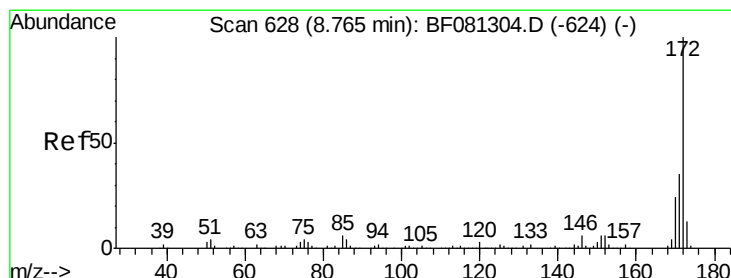
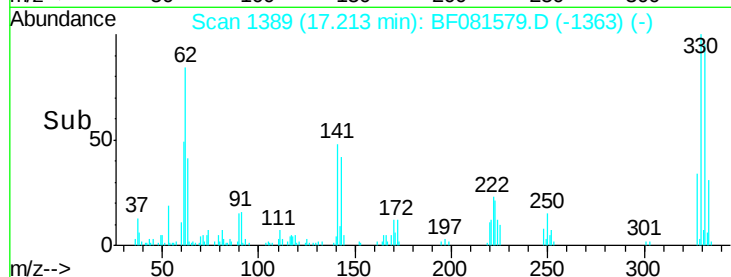
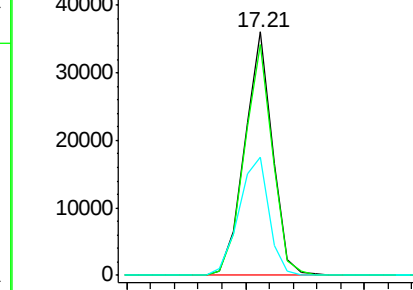
#41
 2,4,6-Tribromophenol
 Concen: 114.21 ng
 RT: 17.21 min Scan# 1389
 Delta R.T. -0.00 min
 Lab File: BF081579.D
 Acq: 10 Sep 2015 22:10

Instrument :
 BNA_F
 ClientSampleId :
 TYB5(1.5-2)

Tgt Ion:330 Resp: 58642
 Ion Ratio Lower Upper
 330 100
 332 95.5 76.6 114.8
 141 52.3 29.7 44.5#

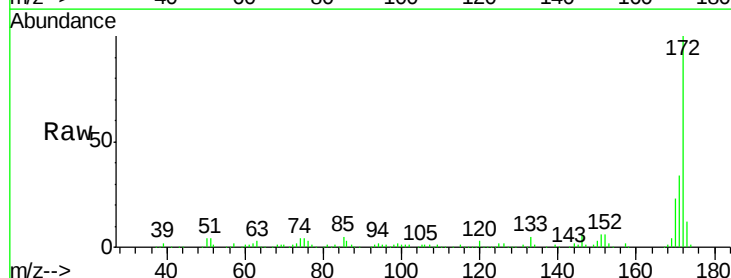


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

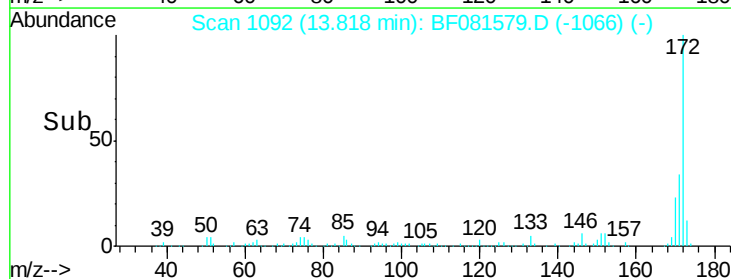
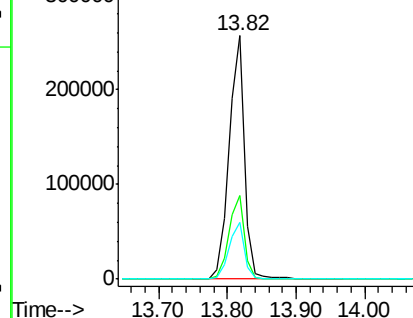


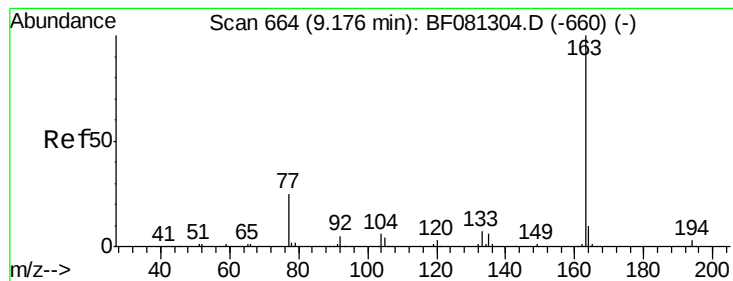
#44
 2-Fluorobiphenyl
 Concen: 90.56 ng
 RT: 13.82 min Scan# 1092
 Delta R.T. -0.00 min
 Lab File: BF081579.D
 Acq: 10 Sep 2015 22:10

Tgt Ion:172 Resp: 407513
 Ion Ratio Lower Upper
 172 100
 171 34.1 26.1 39.1
 170 23.4 17.4 26.2



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: 19.09 ng

RT: 14.87 min Scan# 1184

Delta R.T. -0.03 min

Lab File: BF081579.D

Acq: 10 Sep 2015 22:10

Instrument :

BNA_F

ClientSampleId :

TYB5(1.5-2)

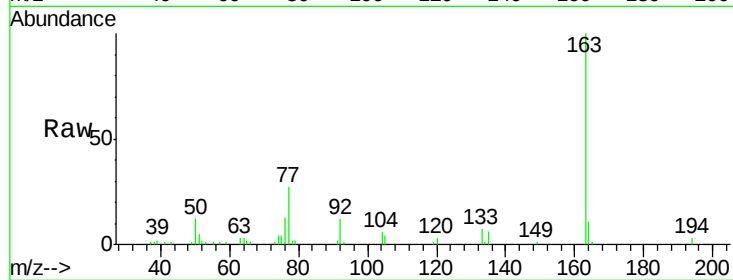
Tgt Ion:163 Resp: 85534

Ion Ratio Lower Upper

163 100

194 3.1 4.4 6.6#

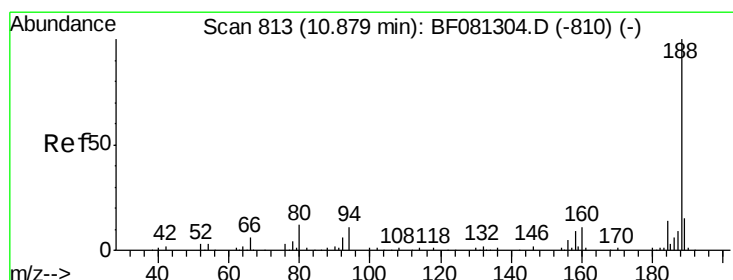
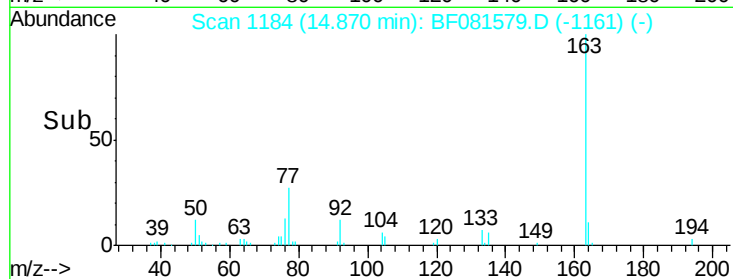
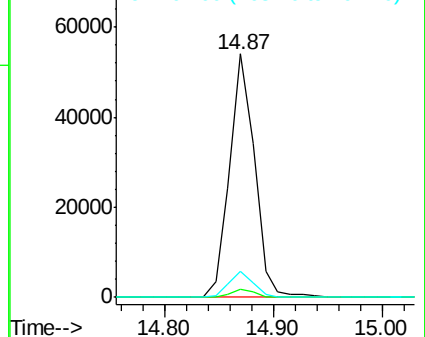
164 10.9 8.3 12.5



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: 18.81 min Scan# 1529

Delta R.T. -0.00 min

Lab File: BF081579.D

Acq: 10 Sep 2015 22:10

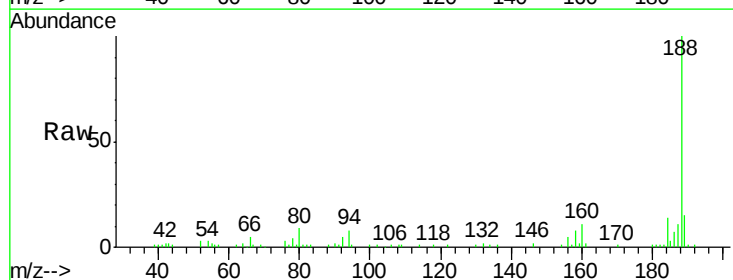
Tgt Ion:188 Resp: 110189

Ion Ratio Lower Upper

188 100

94 8.3 11.1 16.7#

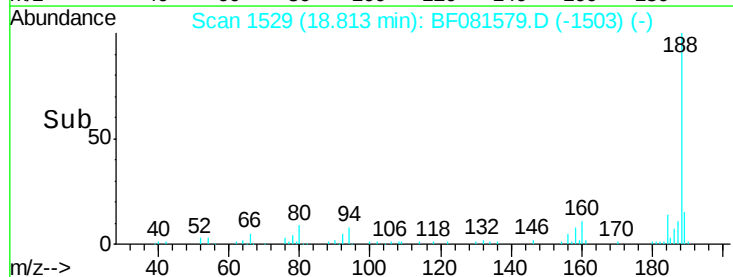
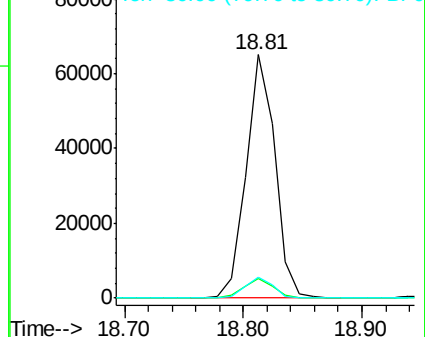
80 8.7 11.0 16.4#

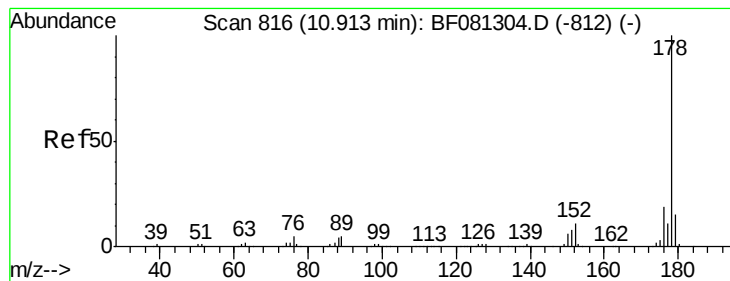


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0





#70

Phenanthrene

Concen: 8.82 ng

RT: 18.87 min Scan# 1534

Delta R.T. -0.00 min

Lab File: BF081579.D

Acq: 10 Sep 2015 22:10

Instrument :

BNA_F

ClientSampleId :

TYB5(1.5-2)

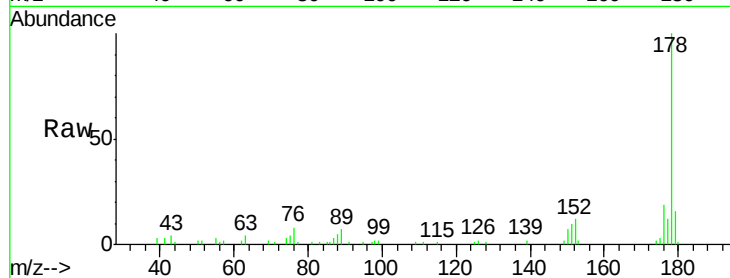
Tgt Ion:178 Resp: 54007

Ion Ratio Lower Upper

178 100

176 19.1 13.8 20.8

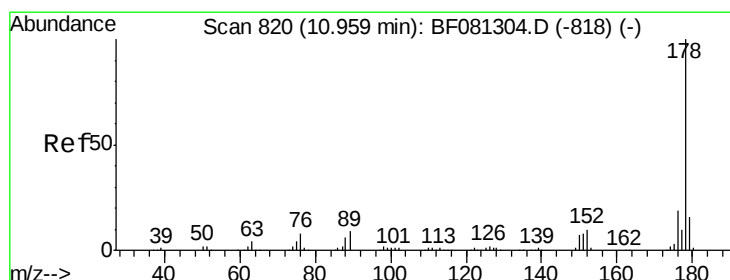
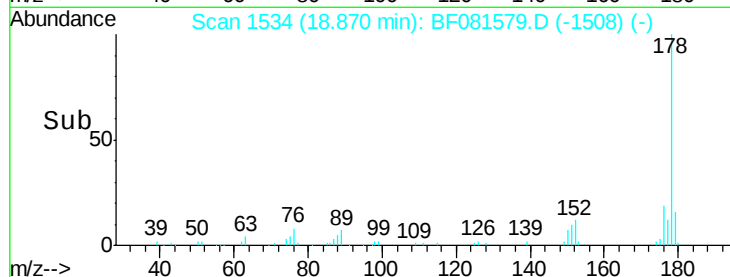
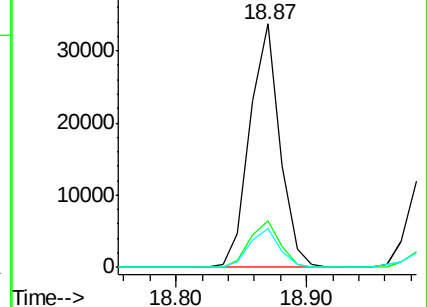
179 15.7 12.2 18.2



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: 3.74 ng

RT: 18.98 min Scan# 1544

Delta R.T. -0.01 min

Lab File: BF081579.D

Acq: 10 Sep 2015 22:10

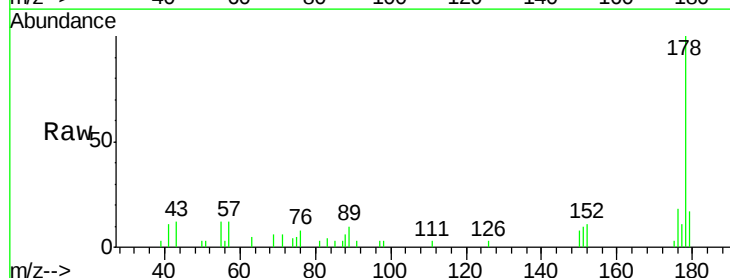
Tgt Ion:178 Resp: 23560

Ion Ratio Lower Upper

178 100

176 18.1 14.1 21.1

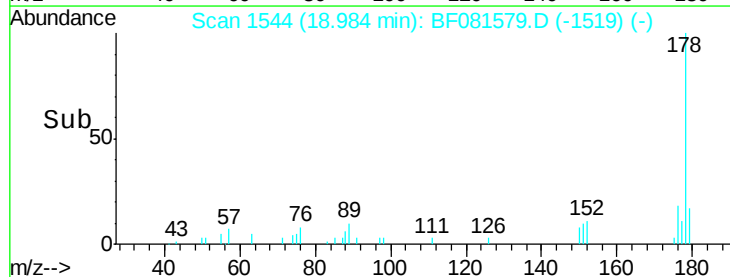
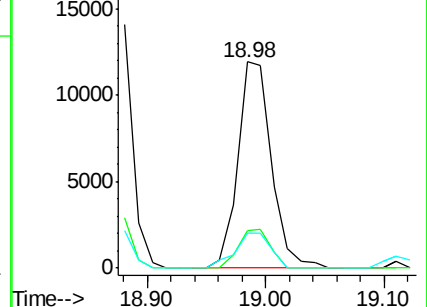
179 17.0 12.2 18.2

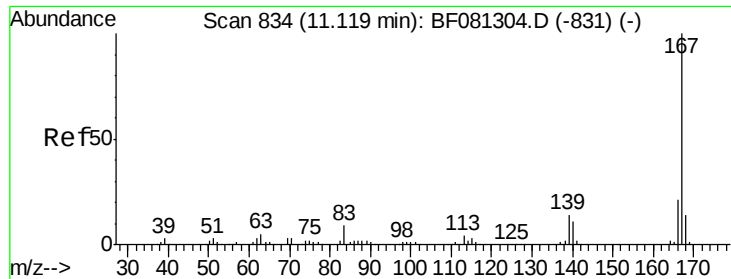


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#72

Carbazole

Concen: 2.19 ng

RT: 19.48 min Scan# 1587

Delta R.T. 0.01 min

Lab File: BF081579.D

Acq: 10 Sep 2015 22:10

Instrument :

BNA_F

ClientSampleId :

TYB5(1.5-2)

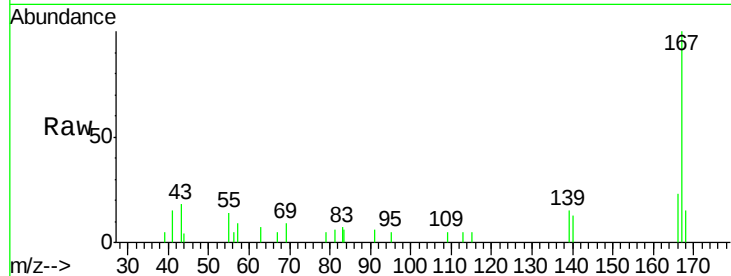
Tgt Ion:167 Resp: 12923

Ion Ratio Lower Upper

167 100

166 22.5 15.7 23.5

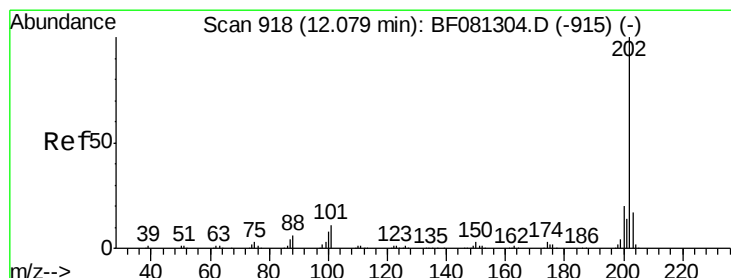
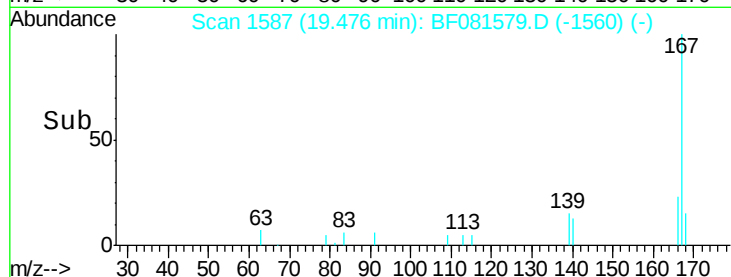
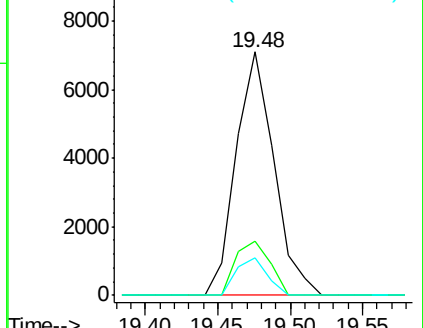
139 15.3 9.5 14.3#



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: 20.17 ng

RT: 21.48 min Scan# 1762

Delta R.T. -0.00 min

Lab File: BF081579.D

Acq: 10 Sep 2015 22:10

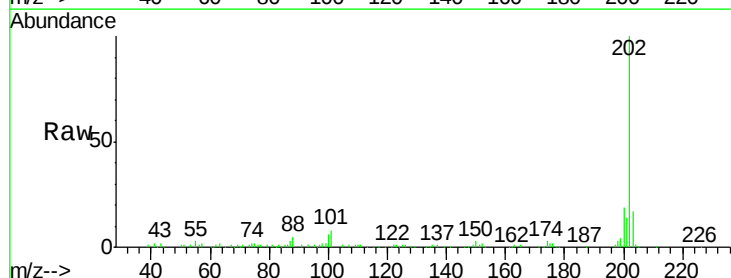
Tgt Ion:202 Resp: 133775

Ion Ratio Lower Upper

202 100

101 7.9 0.0 38.3

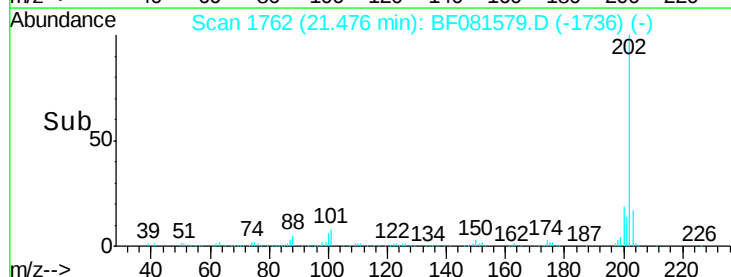
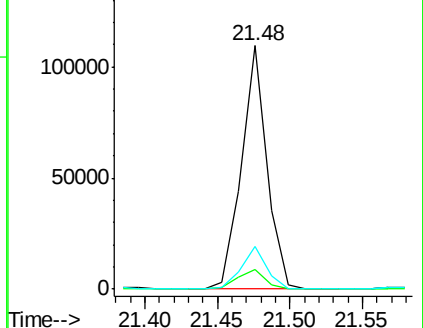
203 17.3 0.0 37.3

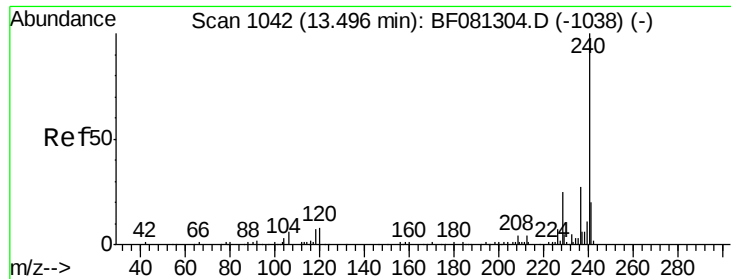


Abundance Ion 202.00 (201.70 to 202.70): E

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: 23.42 min Scan# 1932

Delta R.T. -0.00 min

Lab File: BF081579.D

Acq: 10 Sep 2015 22:10

Instrument :

BNA_F

ClientSampleId :

TYB5(1.5-2)

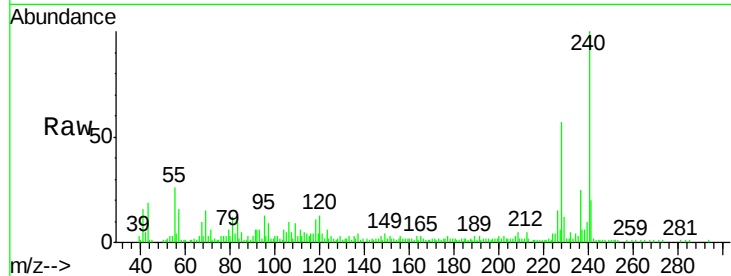
Tgt Ion:240 Resp: 83815

Ion Ratio Lower Upper

240 100

120 13.0 16.2 24.2#

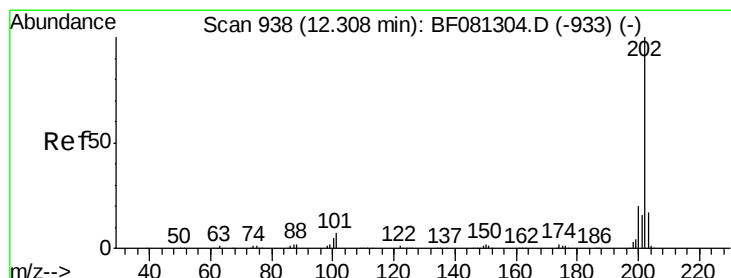
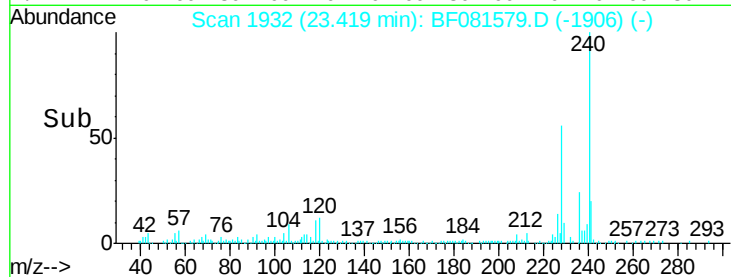
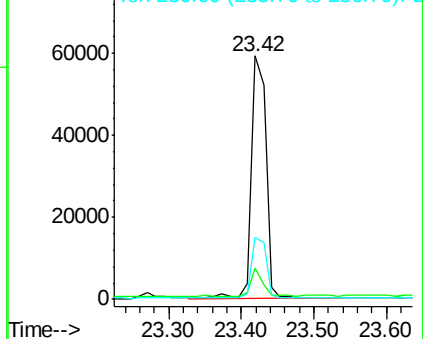
236 25.4 18.4 27.6



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: 20.02 ng

RT: 21.82 min Scan# 1792

Delta R.T. -0.00 min

Lab File: BF081579.D

Acq: 10 Sep 2015 22:10

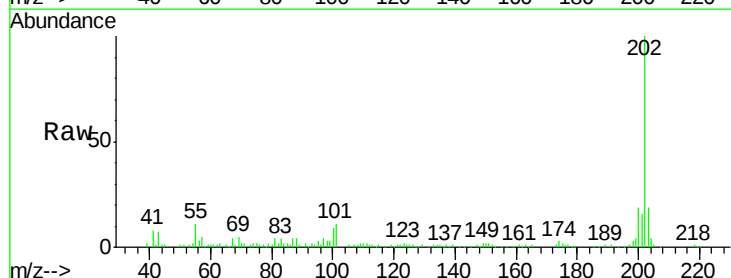
Tgt Ion:202 Resp: 124285

Ion Ratio Lower Upper

202 100

200 19.4 15.0 22.4

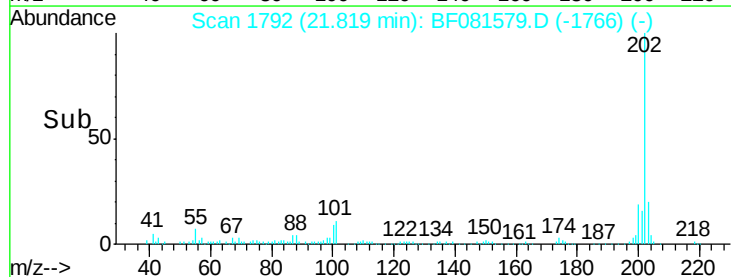
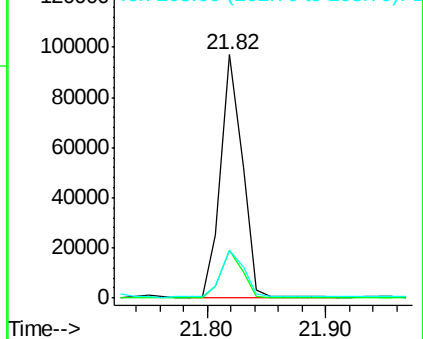
203 19.4 14.1 21.1

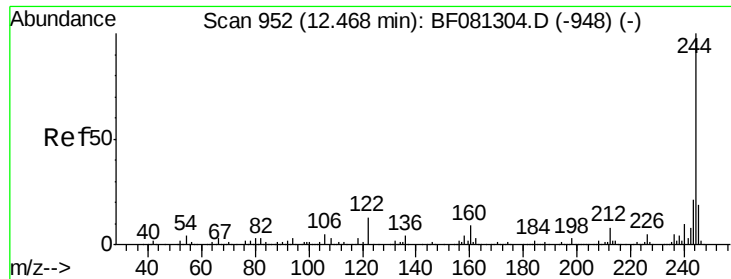


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

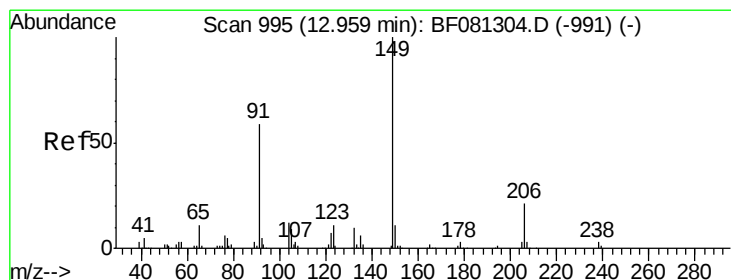
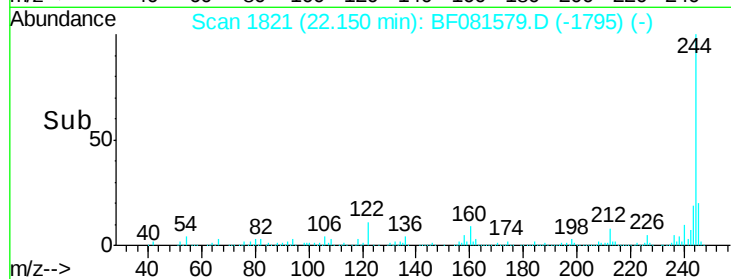
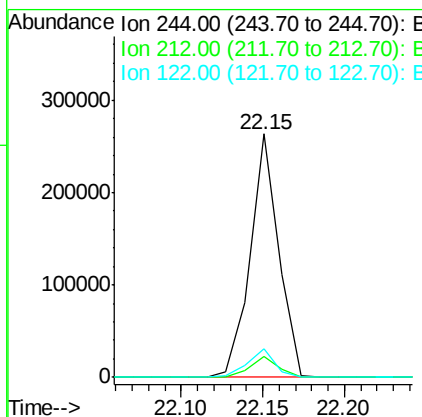
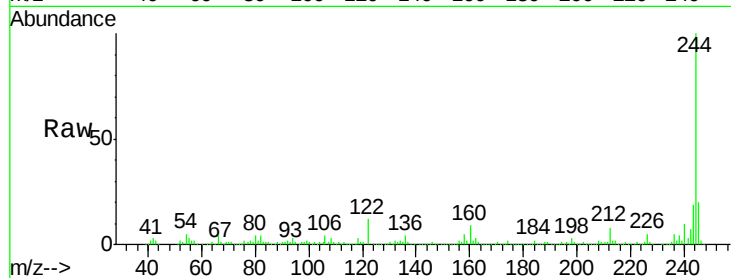




#78
 Terphenyl-d14
 Concen: 88.25 ng
 RT: 22.15 min Scan# 1821
 Delta R.T. -0.00 min
 Lab File: BF081579.D
 Acq: 10 Sep 2015 22:10

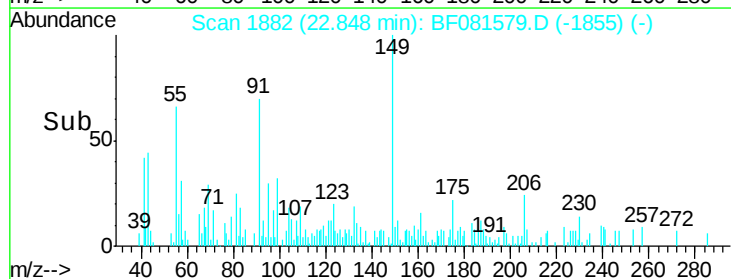
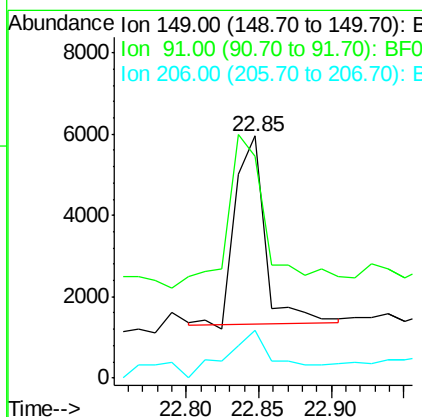
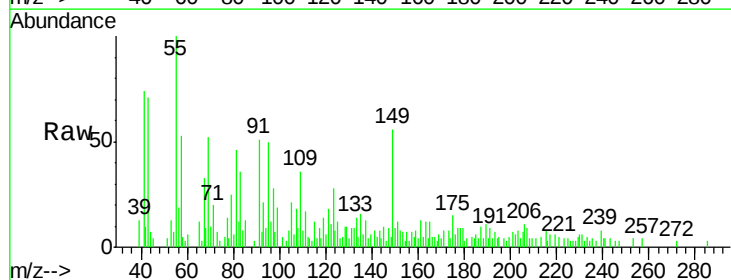
Instrument :
 BNA_F
 ClientSampleId :
 TYB5(1.5-2)

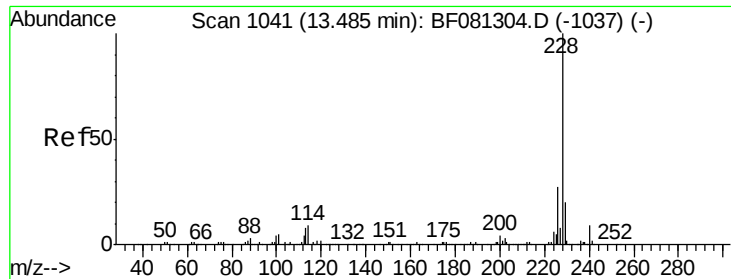
Tgt Ion:244 Resp: 317740
 Ion Ratio Lower Upper
 244 100
 212 8.5 4.3 6.5#
 122 11.7 17.4 26.2#



#79
 Butylbenzylphthalate
 Concen: 2.45 ng
 RT: 22.85 min Scan# 1882
 Delta R.T. 0.01 min
 Lab File: BF081579.D
 Acq: 10 Sep 2015 22:10

Tgt Ion:149 Resp: 6605
 Ion Ratio Lower Upper
 149 100
 91 92.0 48.6 72.8#
 206 19.9 14.9 22.3





#80

Benzo(a)anthracene

Concen: 8.96 ng

RT: 23.42 min Scan# 1932

Delta R.T. 0.01 min

Lab File: BF081579.D

Acq: 10 Sep 2015 22:10

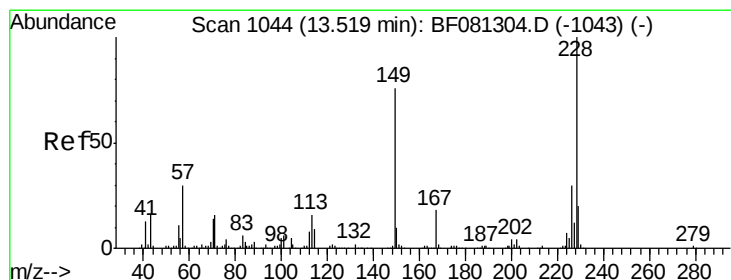
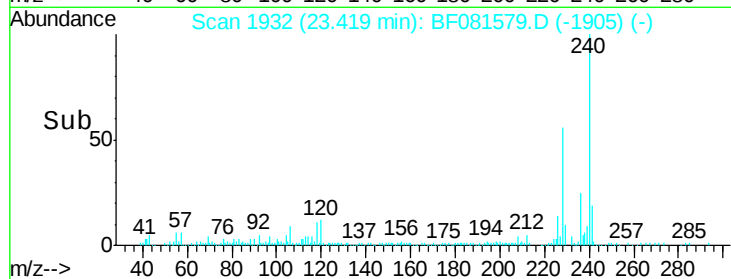
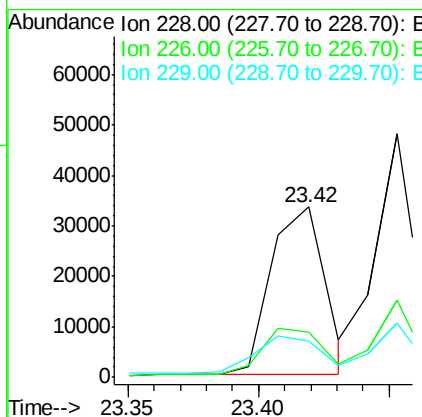
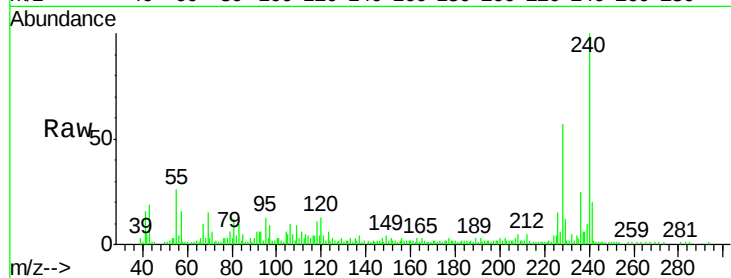
Instrument :

BNA_F

ClientSampleId :

TYB5(1.5-2)

Tgt Ion:	228	Resp:	47832
Ion	Ratio	Lower	Upper
228	100		
226	26.8	20.0	30.0
229	20.9	15.4	23.2



#82

Chrysene

Concen: 10.22 ng m

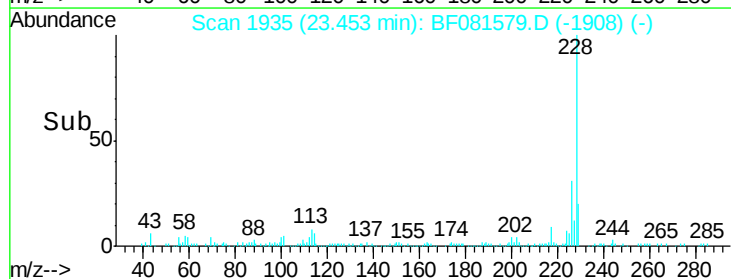
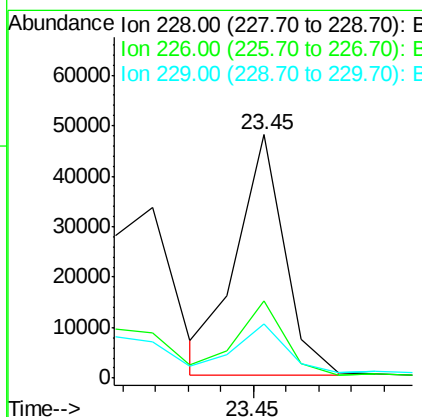
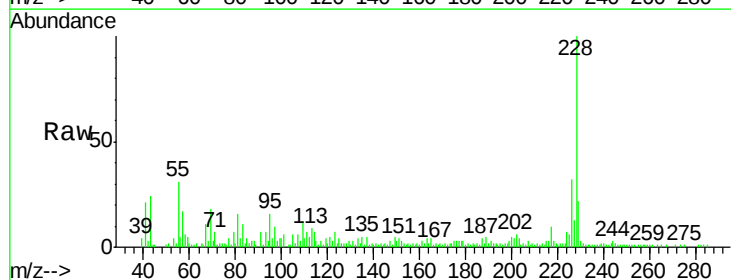
RT: 23.45 min Scan# 1935

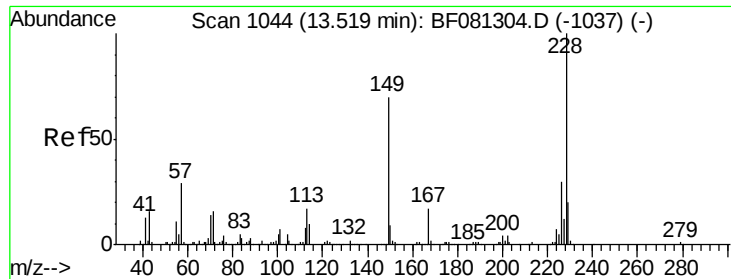
Delta R.T. 0.01 min

Lab File: BF081579.D

Acq: 10 Sep 2015 22:10

Tgt Ion:	228	Resp:	48904
Ion	Ratio	Lower	Upper
228	100		
226	31.7	21.0	31.4#
229	22.2	15.6	23.4

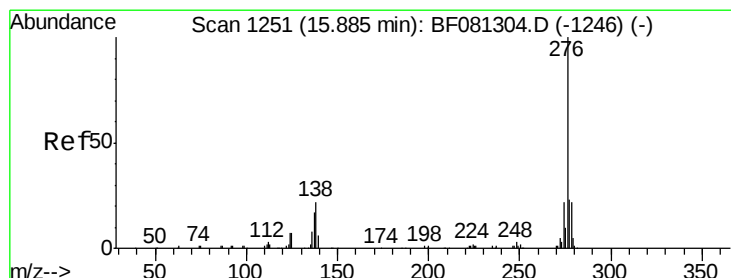
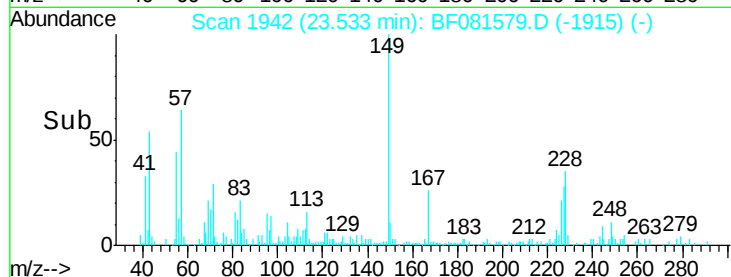
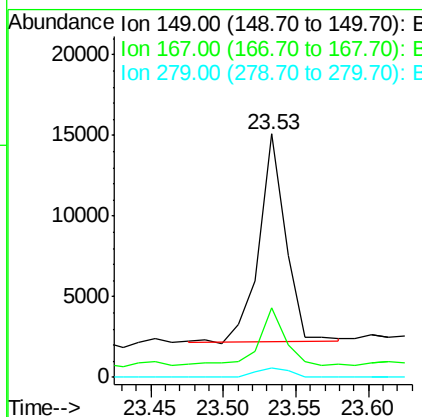
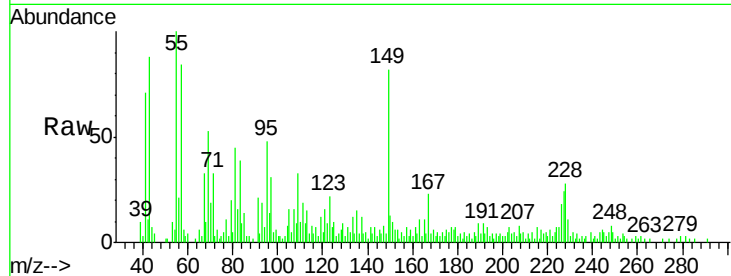




#83
 Bis(2-ethylhexyl)phthalate
 Concen: 4.54 ng
 RT: 23.53 min Scan# 1942
 Delta R.T. 0.01 min
 Lab File: BF081579.D
 Acq: 10 Sep 2015 22:10

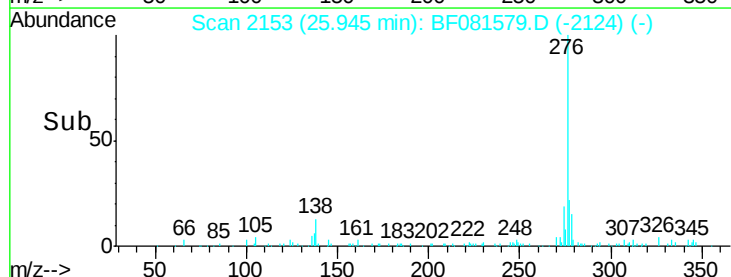
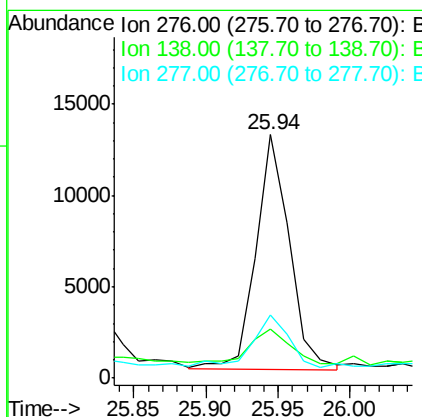
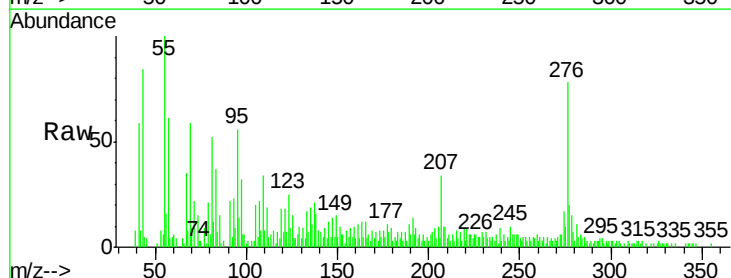
Instrument :
 BNA_F
 ClientSampleId :
 TYB5(1.5-2)

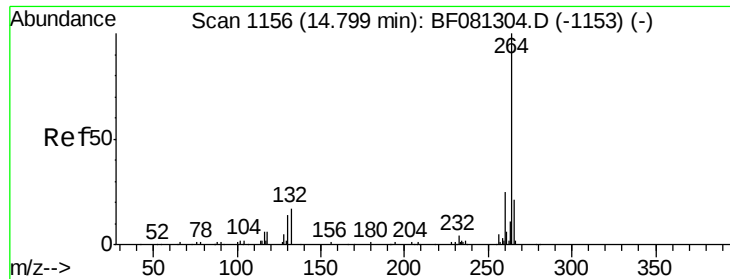
Tgt Ion:149 Resp: 16182
 Ion Ratio Lower Upper
 149 100
 167 28.4 24.2 36.2
 279 3.7 3.8 5.6#



#85
 Indeno(1,2,3-cd)pyrene
 Concen: 6.01 ng m
 RT: 25.94 min Scan# 2153
 Delta R.T. 0.03 min
 Lab File: BF081579.D
 Acq: 10 Sep 2015 22:10

Tgt Ion:276 Resp: 21107
 Ion Ratio Lower Upper
 276 100
 138 6.5 25.7 38.5#
 277 5.0 15.6 23.4#

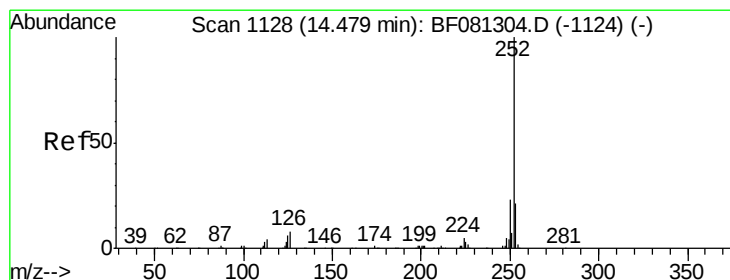
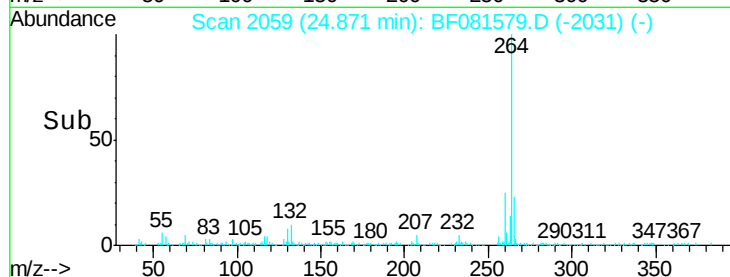
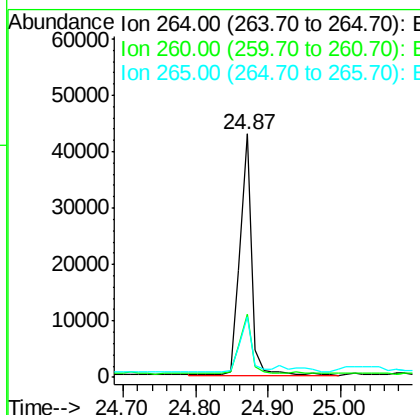
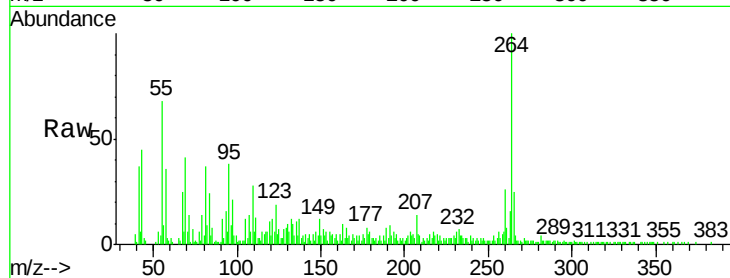




#86
Perylene-d12
Concen: 20.00 ng
RT: 24.87 min Scan# 2059
Delta R.T. 0.02 min
Lab File: BF081579.D
Acq: 10 Sep 2015 22:10

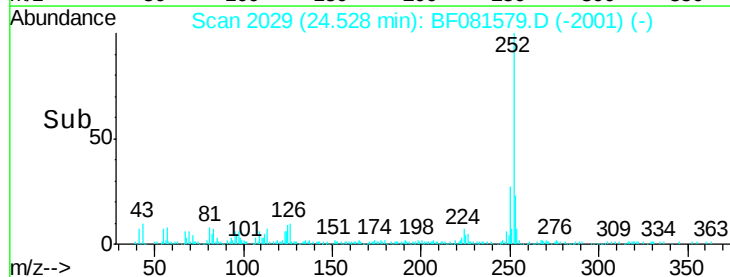
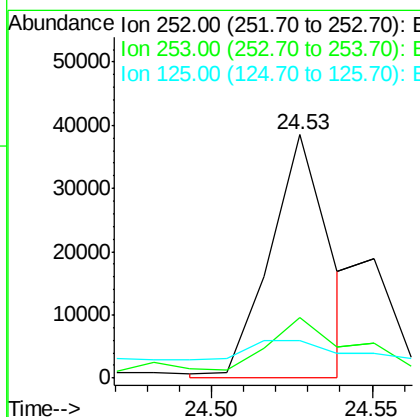
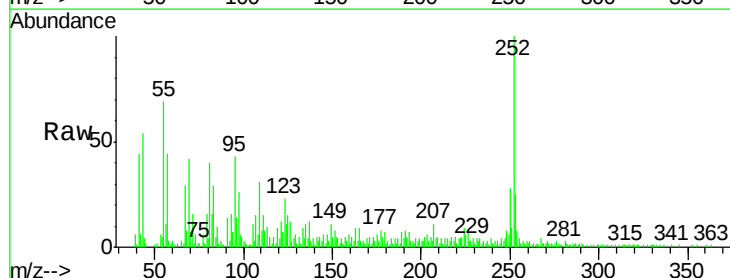
Instrument :
BNA_F
ClientSampleId :
TYB5(1.5-2)

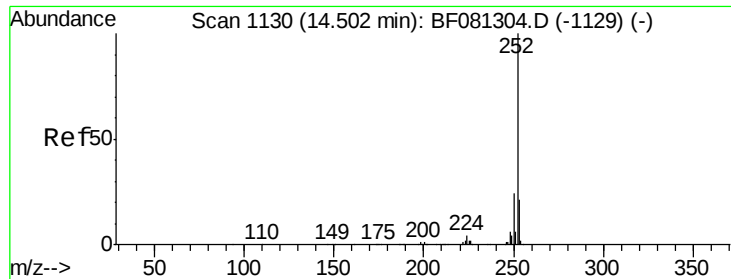
Tgt Ion:264 Resp: 48008
Ion Ratio Lower Upper
264 100
260 26.1 16.7 25.1#
265 24.7 17.2 25.8



#87
Benzo(b)fluoranthene
Concen: 14.48 ng m
RT: 24.53 min Scan# 2029
Delta R.T. 0.02 min
Lab File: BF081579.D
Acq: 10 Sep 2015 22:10

Tgt Ion:252 Resp: 49619
Ion Ratio Lower Upper
252 100
253 25.1 17.5 26.3
125 15.5 17.1 25.7#

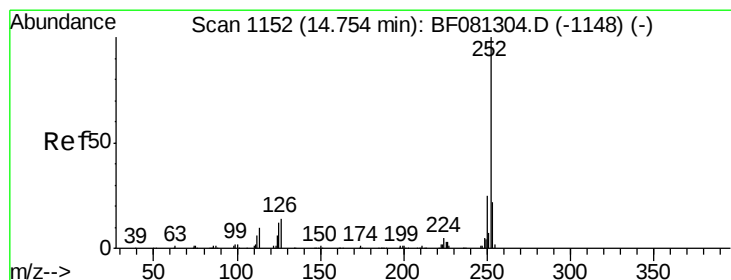
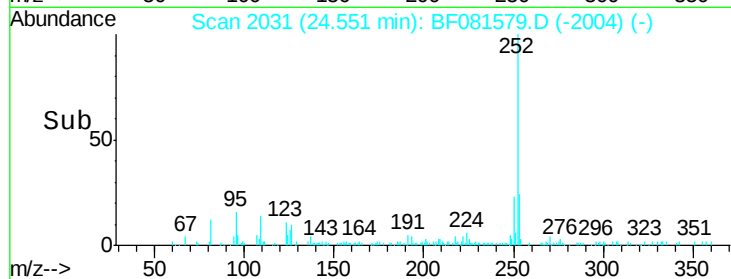
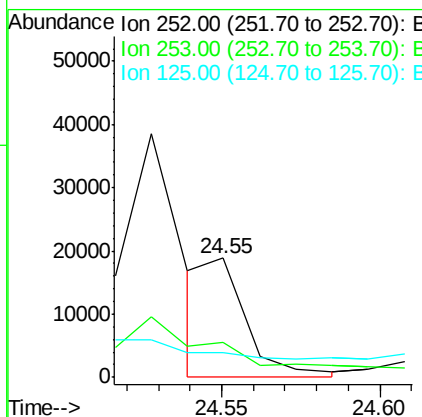
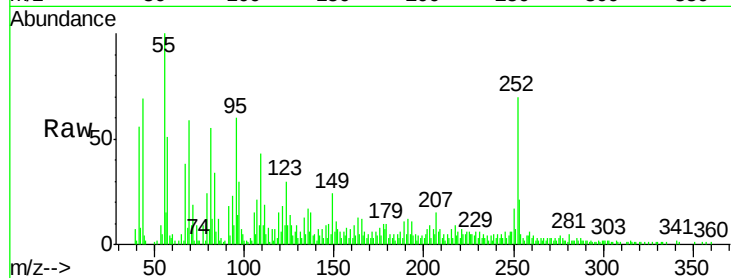




#88
Benzo(k)fluoranthene
Concen: 5.88 ng m
RT: 24.55 min Scan# 2031
Delta R.T. 0.01 min
Lab File: BF081579.D
Acq: 10 Sep 2015 22:10

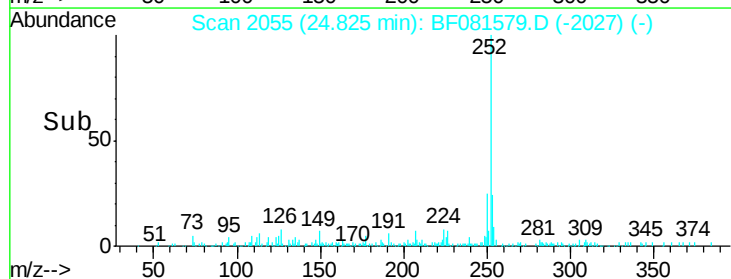
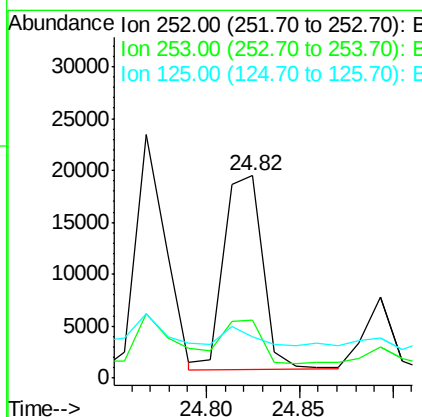
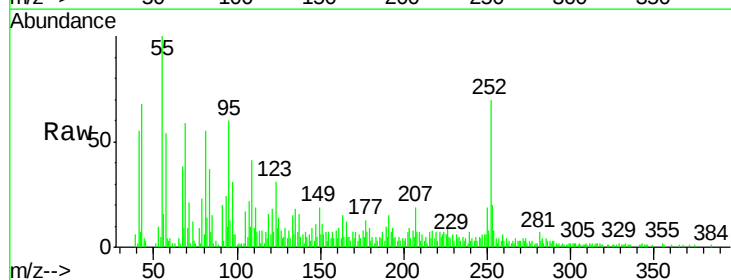
Instrument :
BNA_F
ClientSampleId :
TYB5(1.5-2)

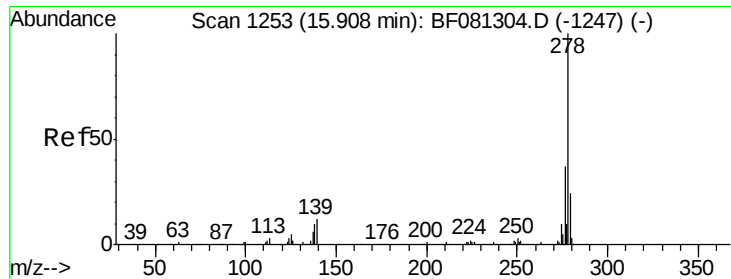
Tgt Ion:252 Resp: 16724
Ion Ratio Lower Upper
252 100
253 29.4 17.0 25.4#
125 20.6 16.0 24.0



#89
Benzo(a)pyrene
Concen: 9.43 ng
RT: 24.82 min Scan# 2055
Delta R.T. 0.02 min
Lab File: BF081579.D
Acq: 10 Sep 2015 22:10

Tgt Ion:252 Resp: 27376
Ion Ratio Lower Upper
252 100
253 28.9 17.2 25.8#
125 20.7 18.0 27.0





#90

Dibenzo(a,h)anthracene

Concen: 2.62 ng

RT: 25.96 min Scan# 2154

Delta R.T. 0.03 min

Lab File: BF081579.D

Acq: 10 Sep 2015 22:10

Instrument :

BNA_F

ClientSampleId :

TYB5(1.5-2)

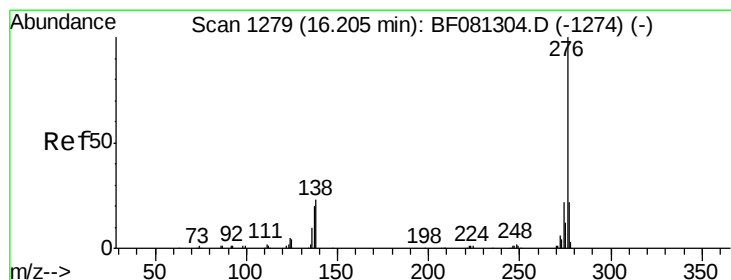
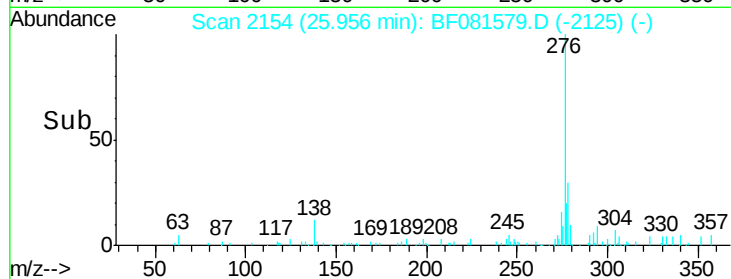
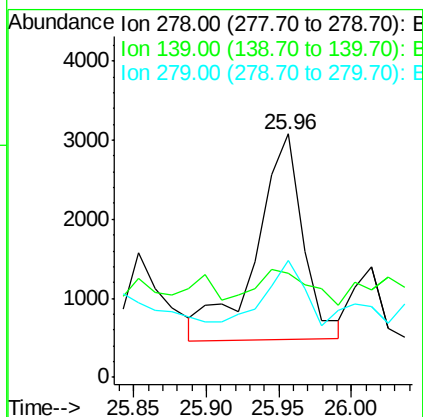
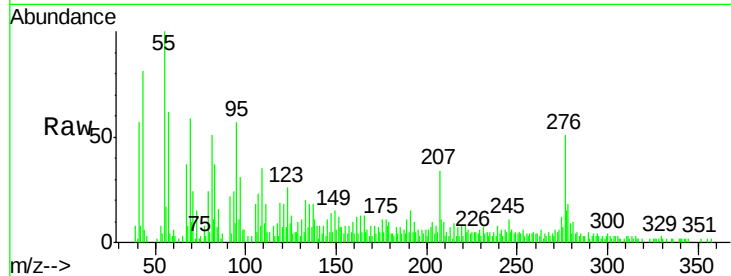
Tgt Ion:278 Resp: 5879

Ion Ratio Lower Upper

278 100

139 42.9 26.3 39.5#

279 47.9 18.2 27.4#



#91

Benzo(g,h,i)perylene

Concen: 11.61 ng

RT: 26.26 min Scan# 2181

Delta R.T. 0.05 min

Lab File: BF081579.D

Acq: 10 Sep 2015 22:10

Tgt Ion:276 Resp: 24869

Ion Ratio Lower Upper

276 100

277 26.0 17.8 26.6

138 21.6 34.6 51.8#

