

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 00:45:35 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

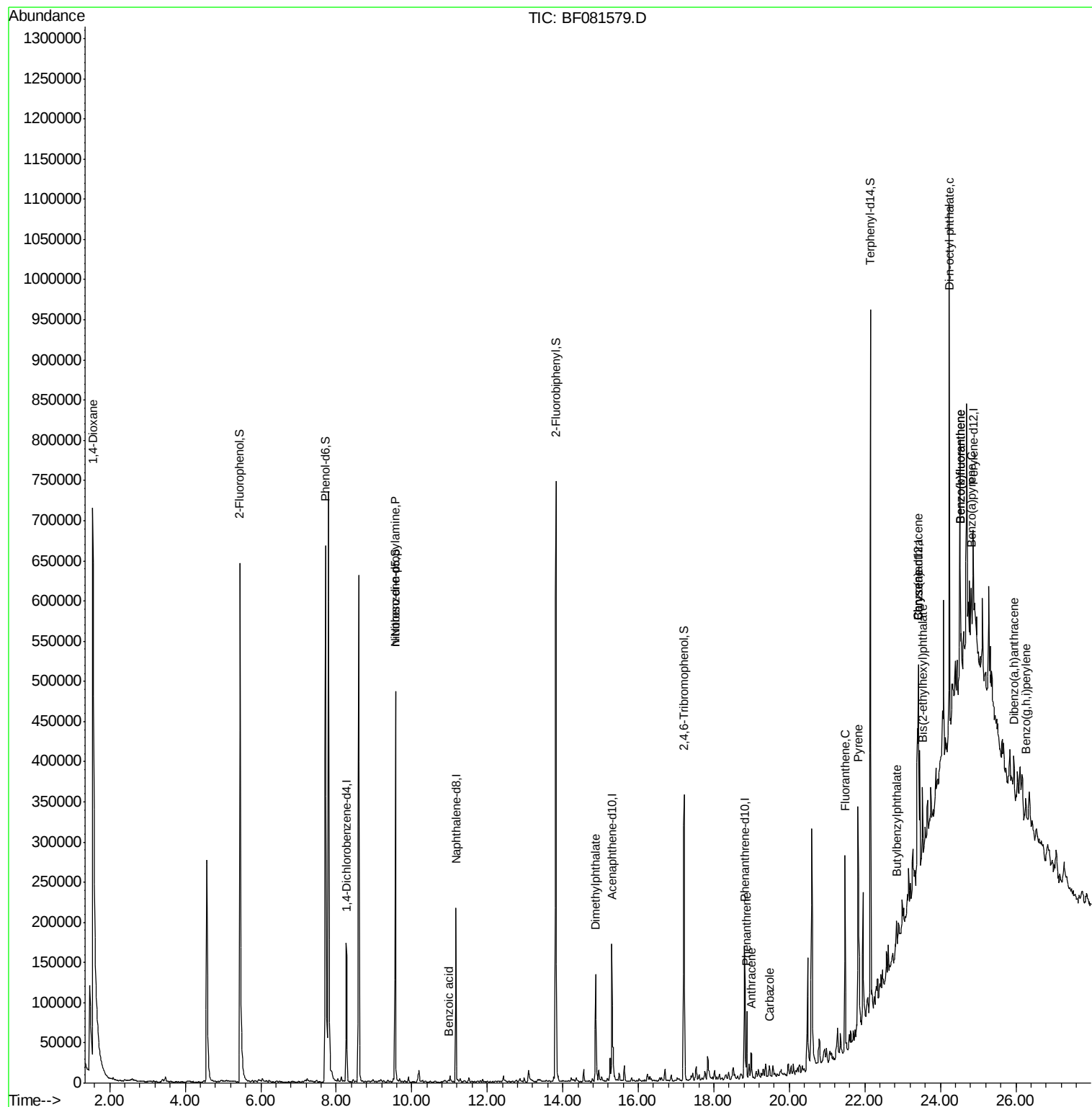
Target Compounds						Qvalue	
2) 1,4-Dioxane	1.55	88	42483	33.10	ng	#	11
19) n-Nitroso-di-n-propylamine	9.57	70	35526	13.80	ng	#	67
32) Benzoic acid	10.97	122	820	2.98	ng	#	72
49) Dimethylphthalate	14.87	163	85534	19.09	ng	#	97
70) Phenanthrene	18.87	178	54007	8.82	ng		97
71) Anthracene	18.98	178	23560	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	23.42	228	47832	10.00	ng		98
83) Bis(2-ethylhexyl)phthalate	23.53	149	16182	4.54	ng	#	97
84) Di-n-octyl phthalate	24.23	149	88097	15.01	ng	#	40
87) Benzo(b)fluoranthene	24.53	252	62438	18.22	ng	#	90
88) Benzo(k)fluoranthene	24.53	252	62438	21.95	ng	#	91
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

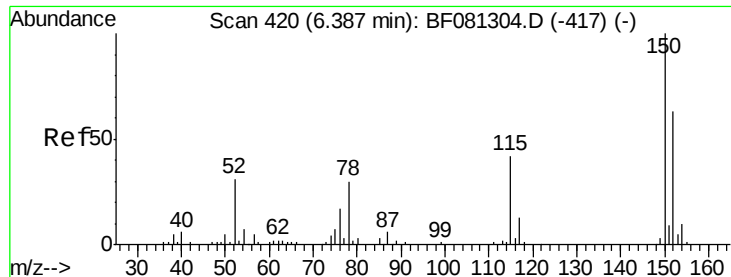
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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 00:45:35 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



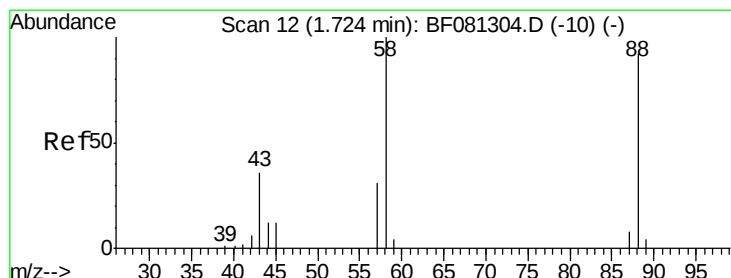
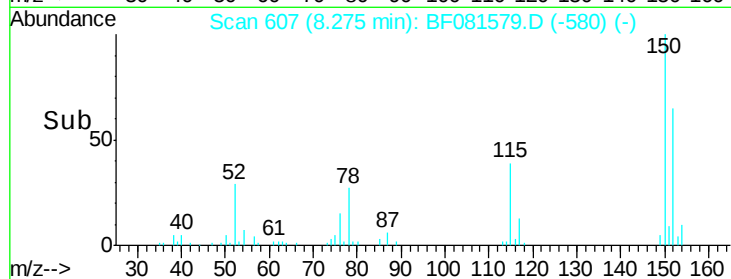
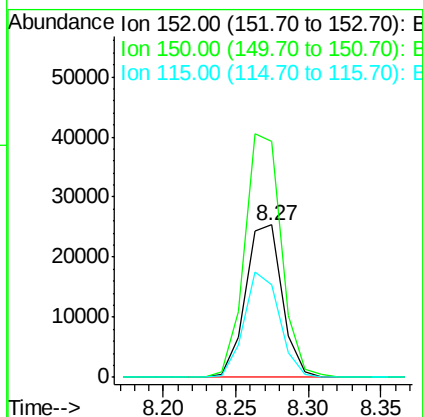
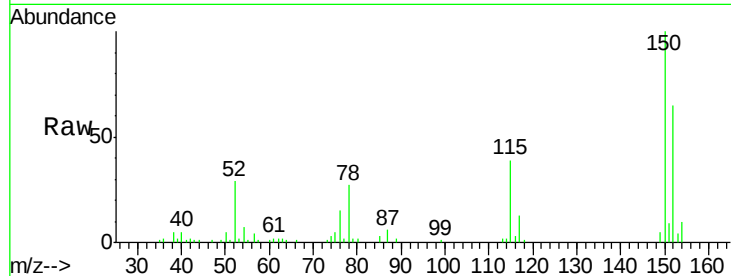


#1

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
ClientSampled :
TYB5(1.5-2)

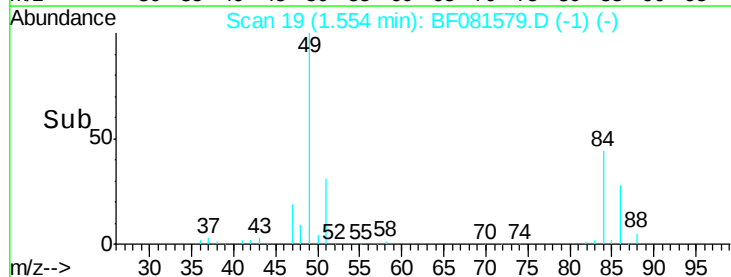
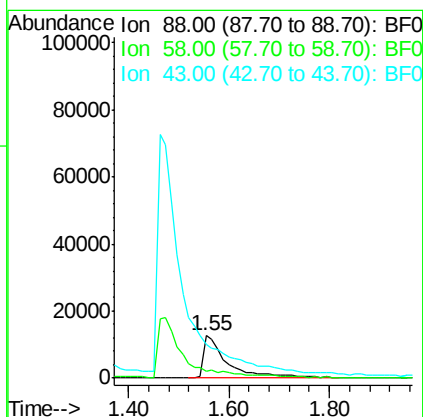
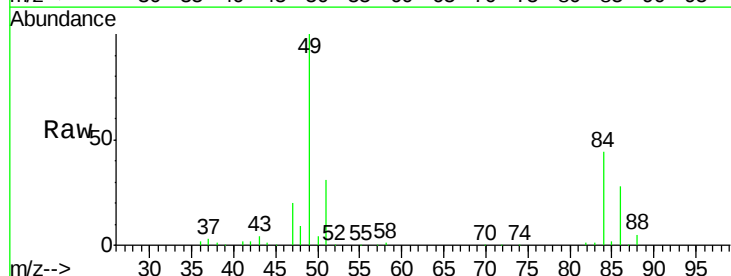
Tgt Ion:152 Resp: 44335
Ion Ratio Lower Upper
152 100
150 155.0 124.7 187.1
115 61.0 39.0 58.4#

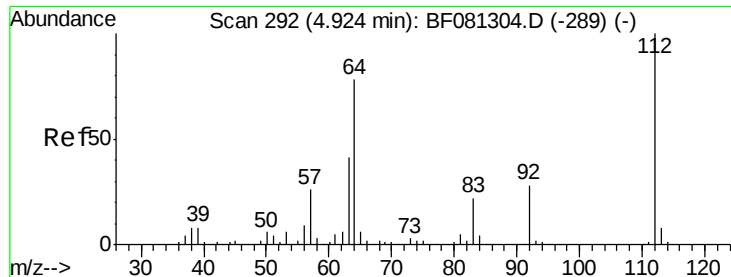


#2

1,4-Dioxane
Concen: 33.10 ng
RT: 1.55 min Scan# 19
Delta R.T. -0.05 min
Lab File: BF081579.D
Acq: 10 Sep 2015 22:10

Tgt Ion: 88 Resp: 42483
Ion Ratio Lower Upper
88 100
58 0.0 77.7 116.5#
43 0.0 26.6 40.0#





#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

Instrument :

BNA_F

ClientSampleId :

TYB5(1.5-2)

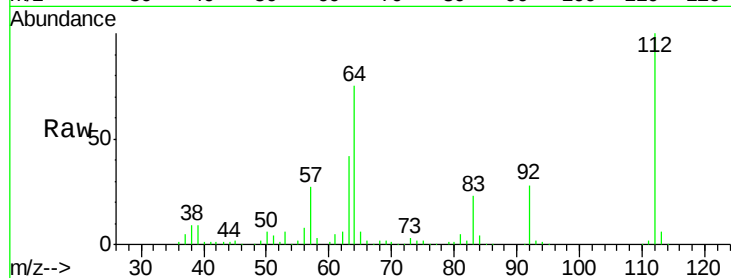
Tgt Ion: 112 Resp: 324507

Ion Ratio Lower Upper

112 100

64 75.0 39.7 59.5#

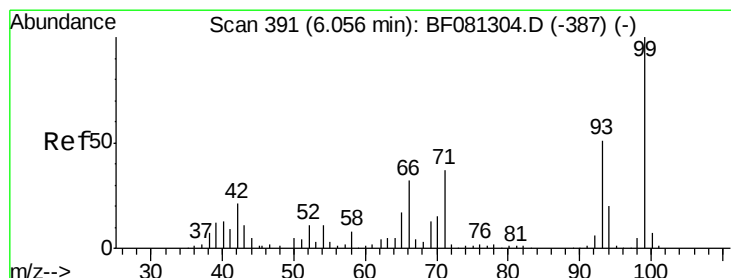
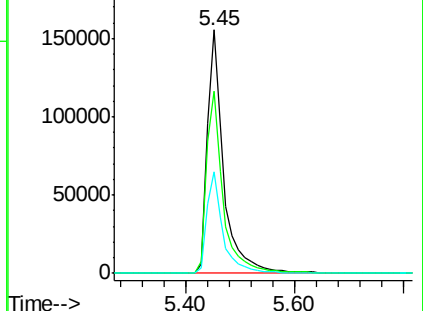
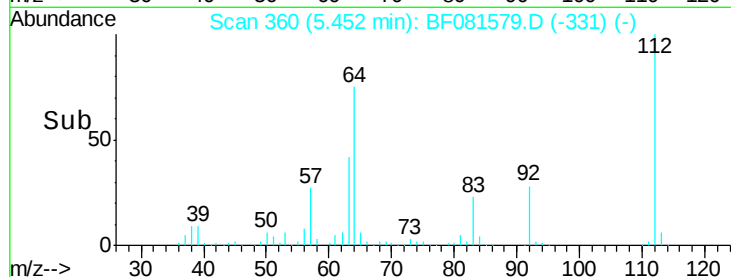
63 41.9 17.4 26.0#



Abundance Ion 112.00 (111.70 to 112.70): B

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

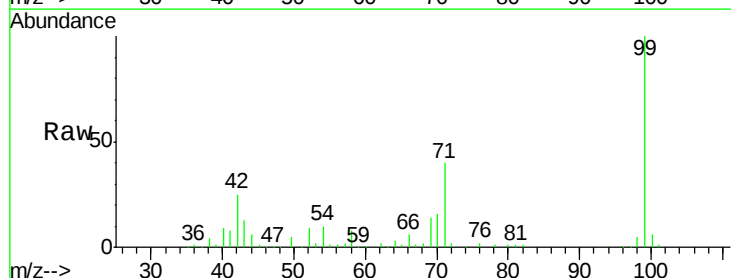
Tgt Ion: 99 Resp: 421015

Ion Ratio Lower Upper

99 100

42 24.9 13.7 20.5#

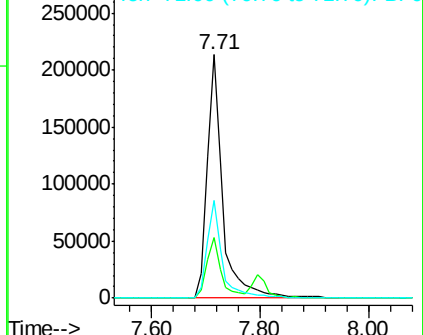
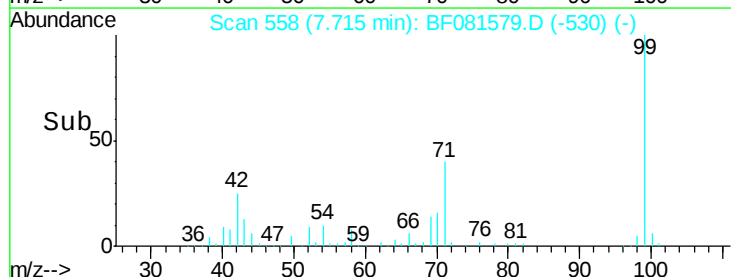
71 40.3 14.2 21.2#

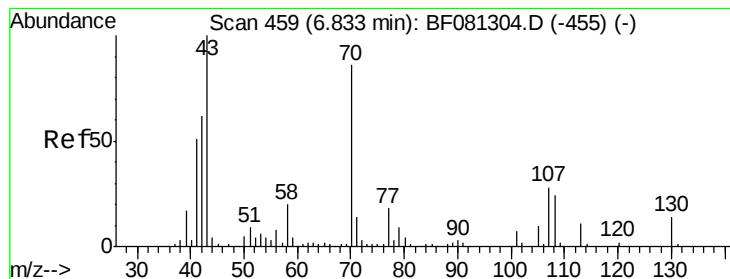


Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0





#19

n-Nitroso-di-n-propylamine

Concen: 13.80 ng

RT: 9.57 min Scan# 720

Delta R.T. 0.22 min

Lab File: BF081579.D

Acq: 10 Sep 2015 22:10

Instrument :

BNA_F

ClientSampleId :

TYB5(1.5-2)

Tgt Ion: 70 Resp: 35526

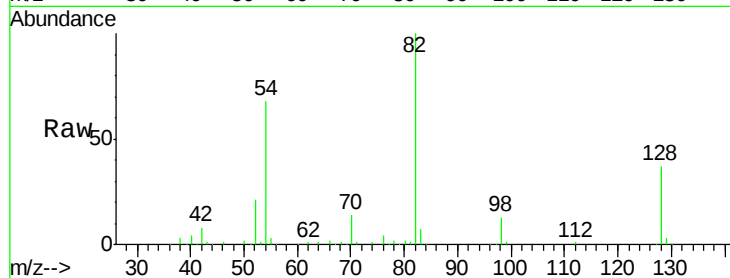
Ion Ratio Lower Upper

70 100

42 59.5 63.8 95.6#

101 0.0 9.2 13.8#

130 2.0 27.3 40.9#

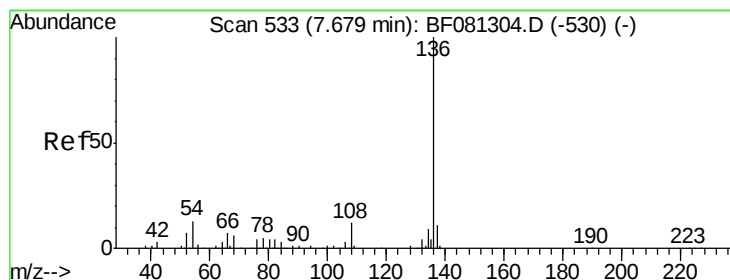
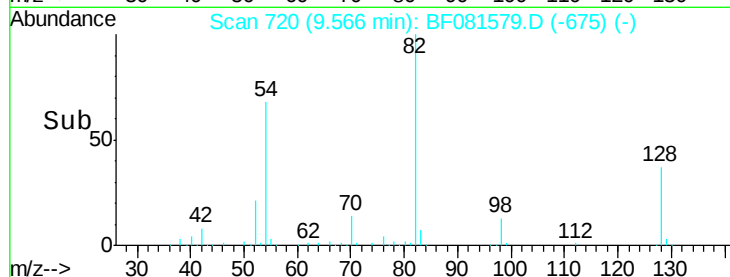
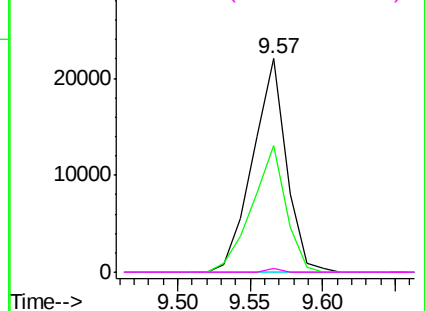


Abundance Ion 70.00 (69.70 to 70.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 101.00 (100.70 to 101.70): E

Ion 130.00 (129.70 to 130.70): E



#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

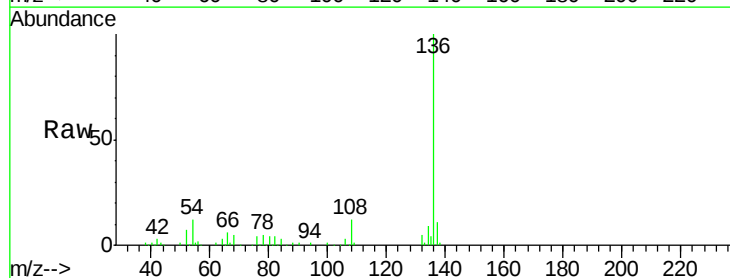
Ion Ratio Lower Upper

136 100

137 11.2 9.0 13.6

54 12.3 8.2 12.2#

68 5.4 5.8 8.6#

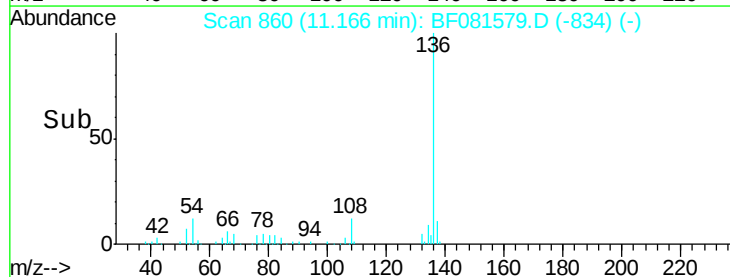
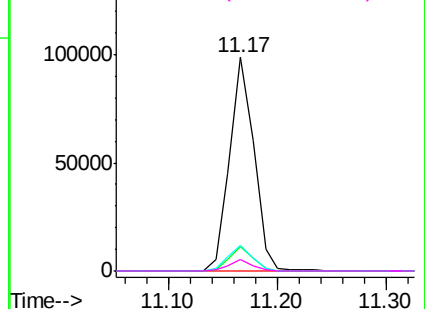


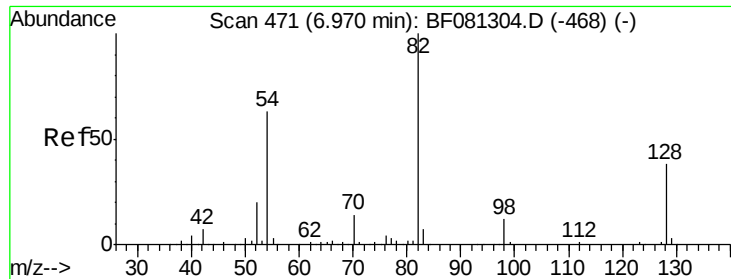
Abundance Ion 136.00 (135.70 to 136.70): E

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

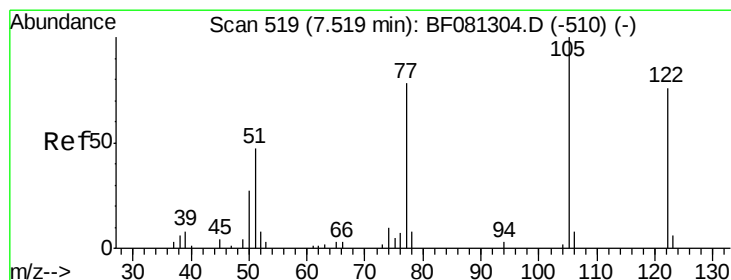
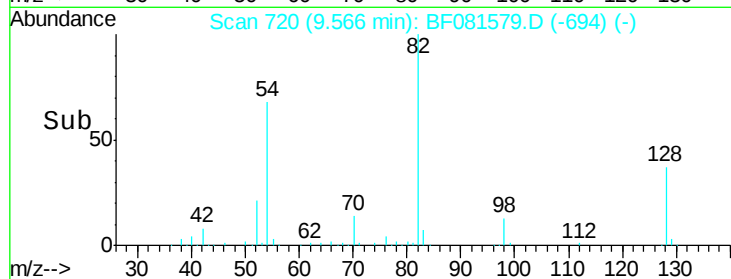
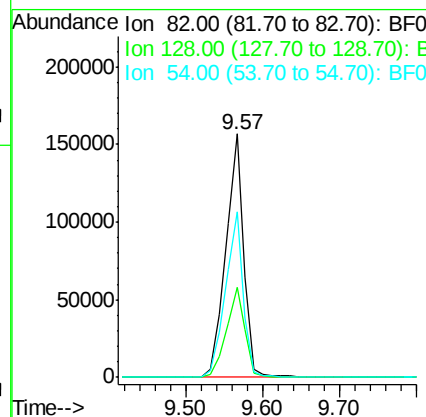
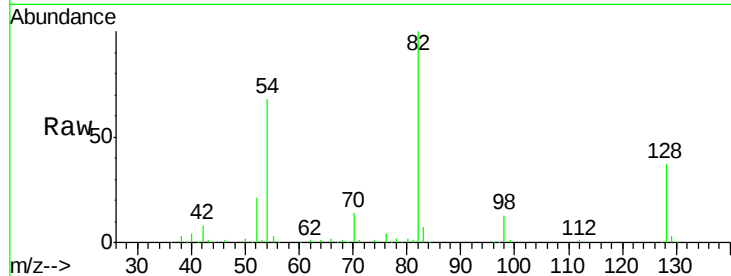




#23
 Nitrobenzene-d5
 Concen: 82.19 ng
 RT: 9.57 min Scan# 720
 Delta R.T. -0.00 min
 Lab File: BF081579.D
 Acq: 10 Sep 2015 22:10

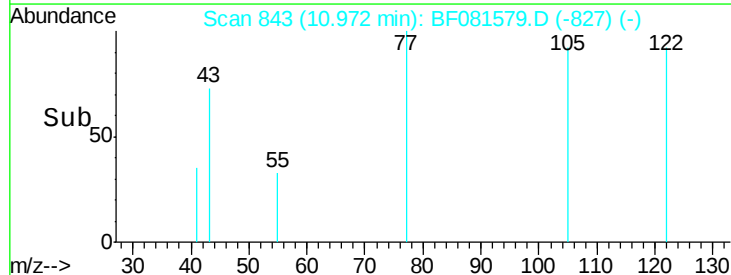
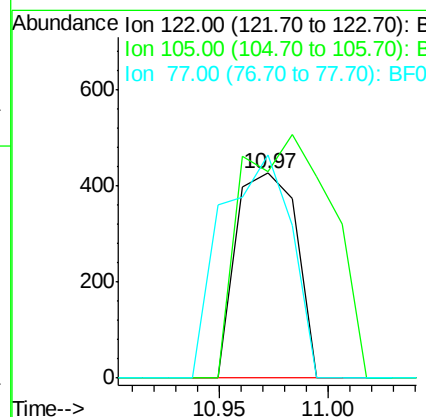
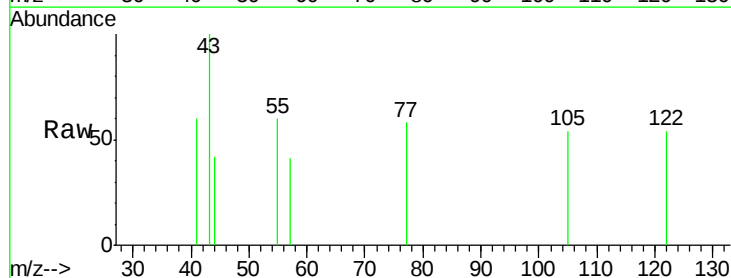
Instrument :
 BNA_F
 ClientSampleId :
 TYB5(1.5-2)

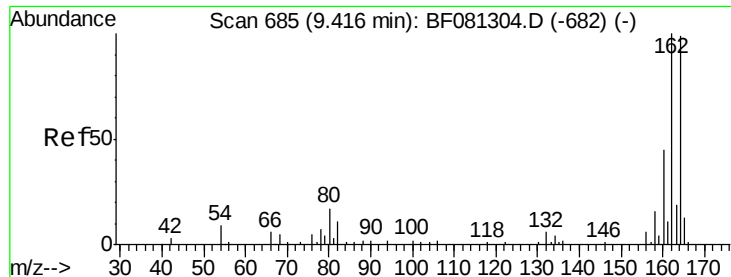
Tgt Ion: 82 Resp: 259362
 Ion Ratio Lower Upper
 82 100
 128 37.1 51.0 76.6#
 54 67.8 47.5 71.3



#32
 Benzoic acid
 Concen: 2.98 ng
 RT: 10.97 min Scan# 843
 Delta R.T. -0.11 min
 Lab File: BF081579.D
 Acq: 10 Sep 2015 22:10

Tgt Ion: 122 Resp: 820
 Ion Ratio Lower Upper
 122 100
 105 100.7 76.1 116.1
 77 108.9 40.5 80.5#

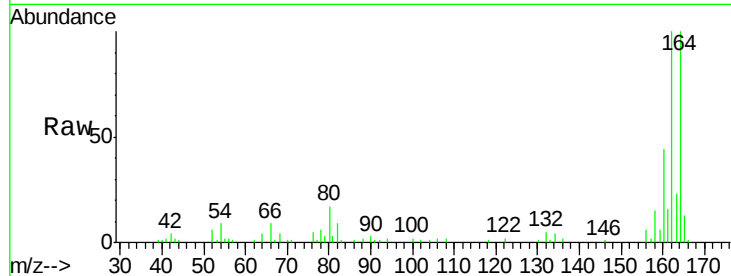




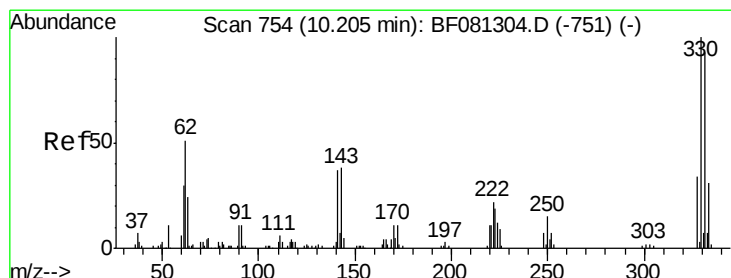
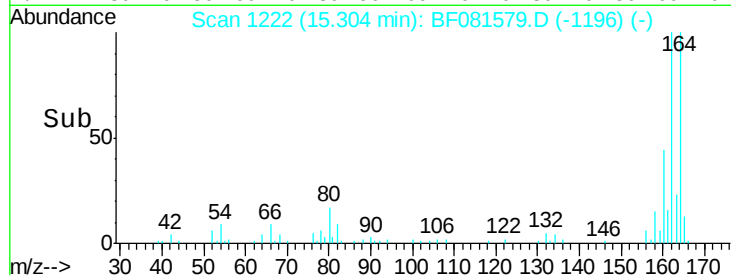
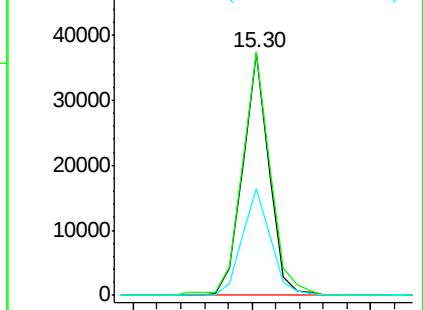
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 15.30 min Scan# 1222
 Delta R.T. -0.00 min
 Lab File: BF081579.D
 Acq: 10 Sep 2015 22:10

Instrument :
 BNA_F
 ClientSampleId :
 TYB5(1.5-2)

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

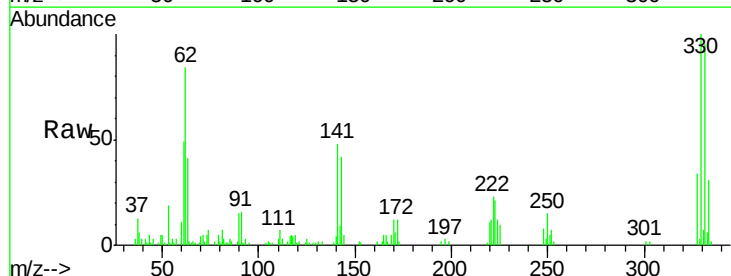


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

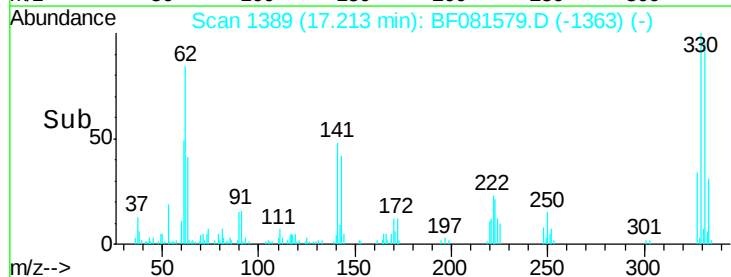
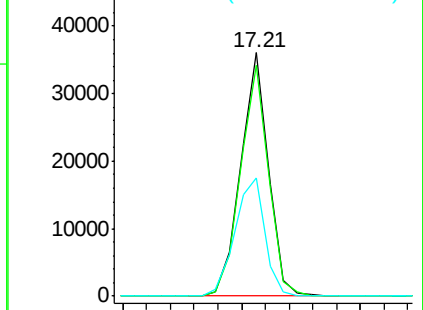


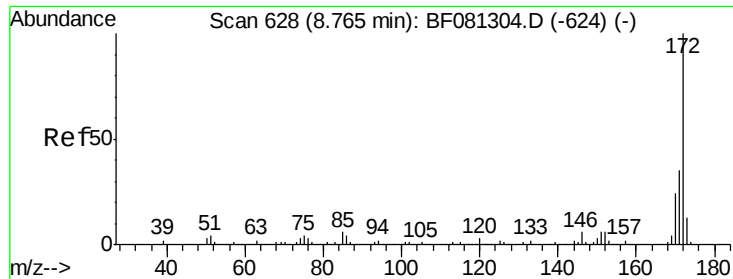
#41
 2,4,6-Tribromophenol
 Concen: 114.21 ng
 RT: 17.21 min Scan# 1389
 Delta R.T. -0.00 min
 Lab File: BF081579.D
 Acq: 10 Sep 2015 22:10

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

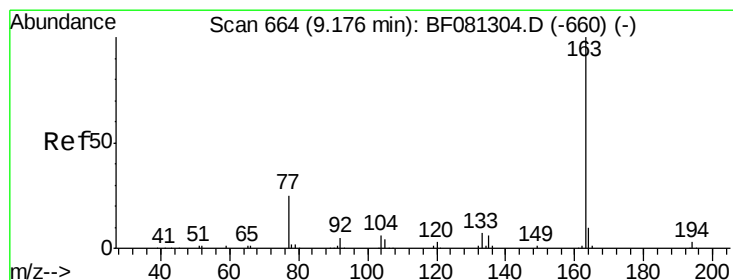
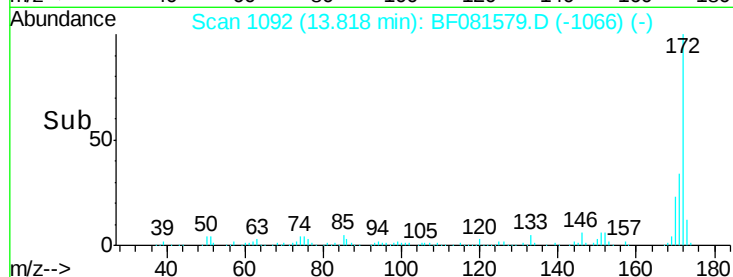
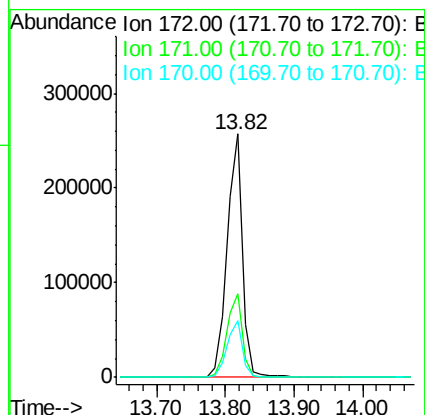
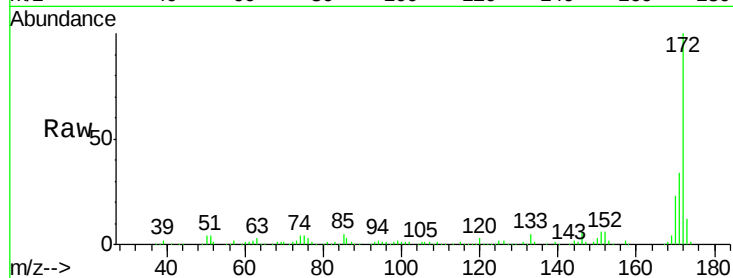




#44
2-Fluorobiphenyl
Concen: 90.56 ng
RT: 13.82 min Scan# 1092
Delta R.T. -0.00 min
Lab File: BF081579.D
Acq: 10 Sep 2015 22:10

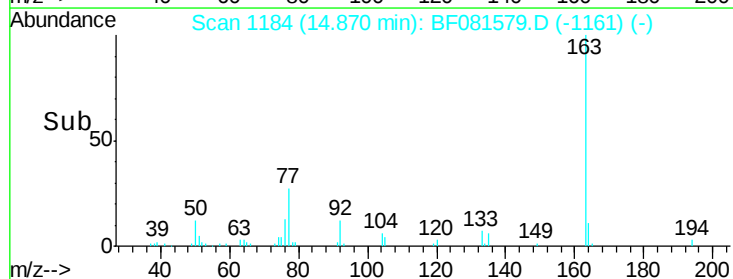
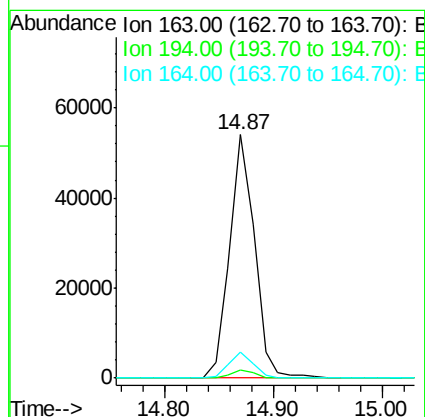
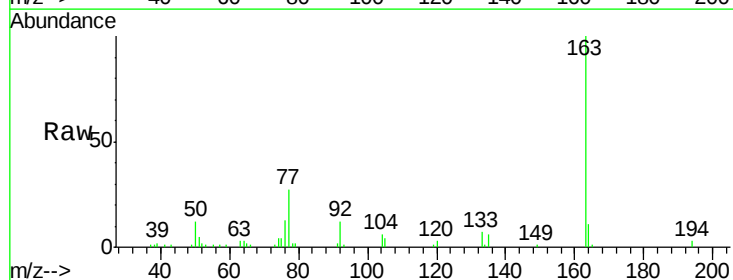
Instrument :
BNA_F
ClientSampleId :
TYB5(1.5-2)

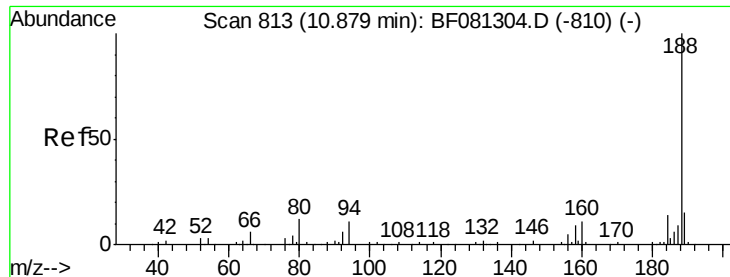
Tgt Ion:172 Resp: 407513
Ion Ratio Lower Upper
172 100
171 34.1 26.1 39.1
170 23.4 17.4 26.2



#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

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

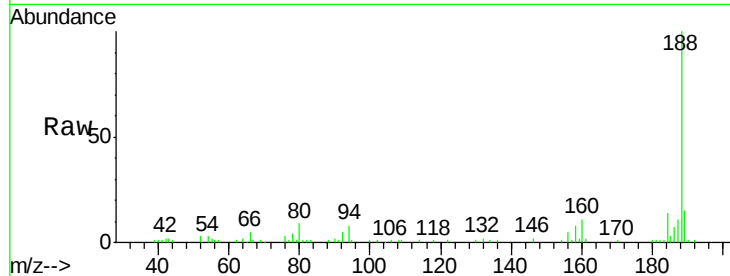




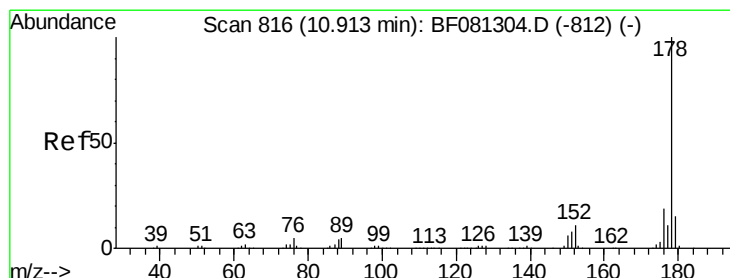
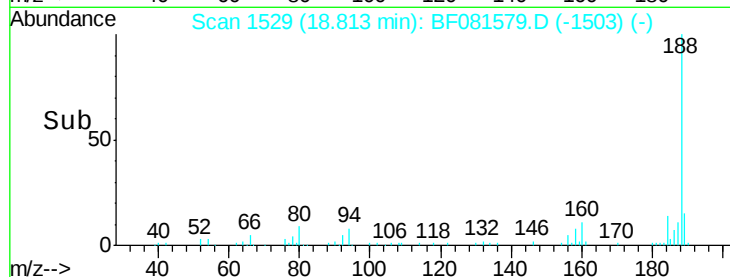
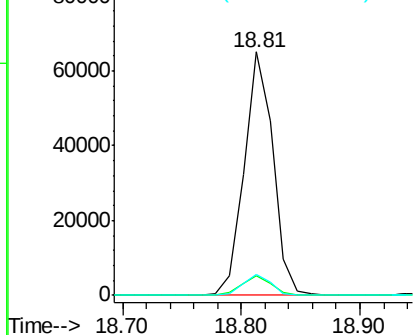
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 18.81 min Scan# 1529
Delta R.T. -0.00 min
Lab File: BF081579.D
Acq: 10 Sep 2015 22:10

Instrument :
BNA_F
ClientSampleId :
TYB5(1.5-2)

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#

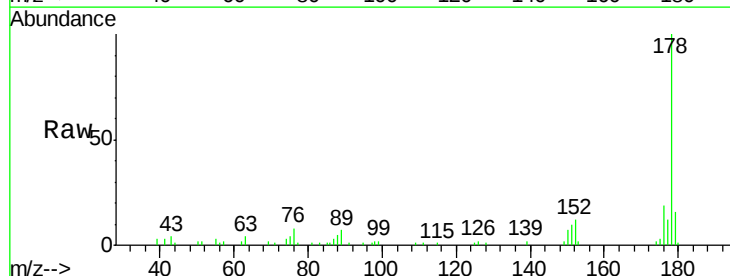


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

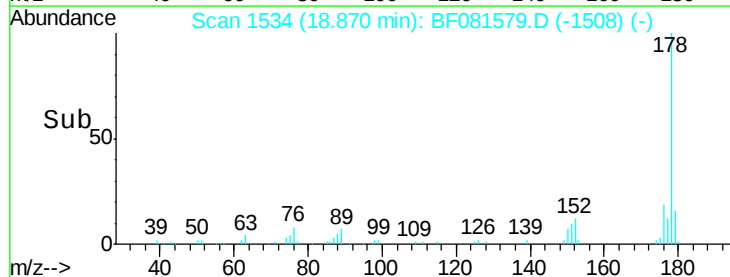
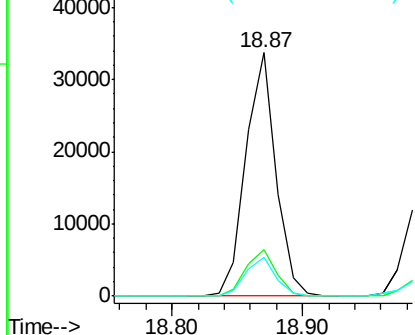


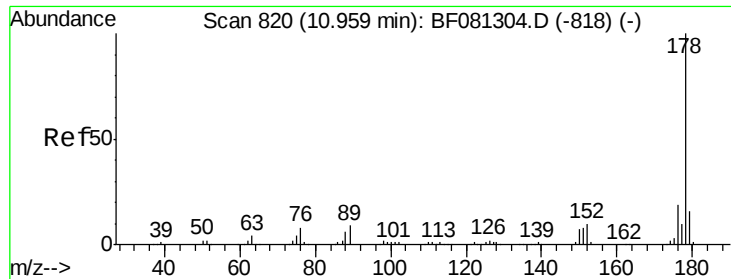
#70
Phenanthrene
Concen: 8.82 ng
RT: 18.87 min Scan# 1534
Delta R.T. -0.00 min
Lab File: BF081579.D
Acq: 10 Sep 2015 22:10

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

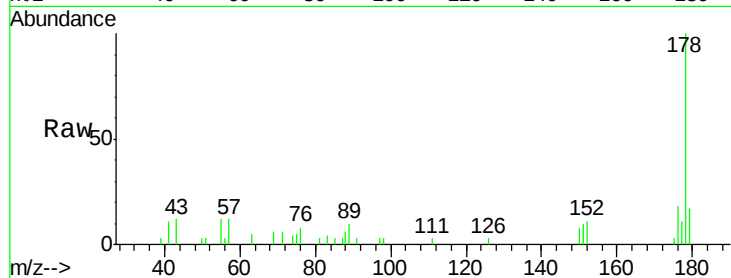




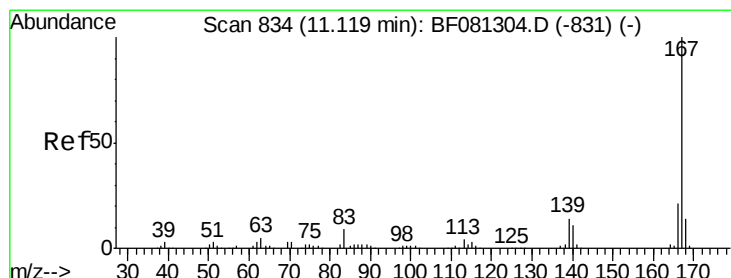
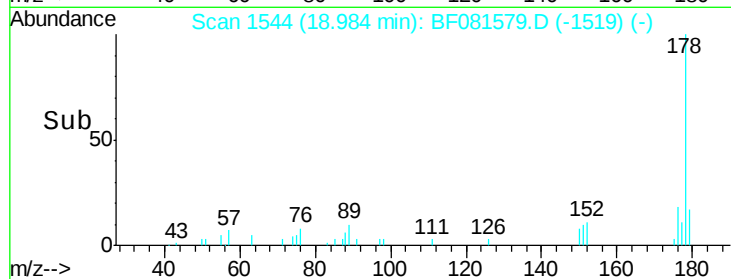
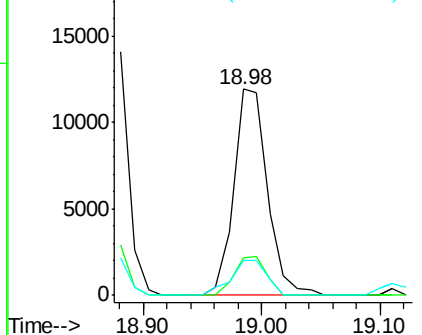
#71
 Anthracene
 Concen: 3.74 ng
 RT: 18.98 min Scan# 1544
 Delta R.T. -0.01 min
 Lab File: BF081579.D
 Acq: 10 Sep 2015 22:10

Instrument :
 BNA_F
 ClientSampleId :
 TYB5(1.5-2)

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

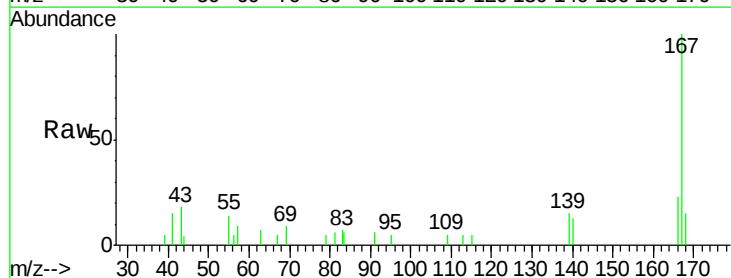


Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E

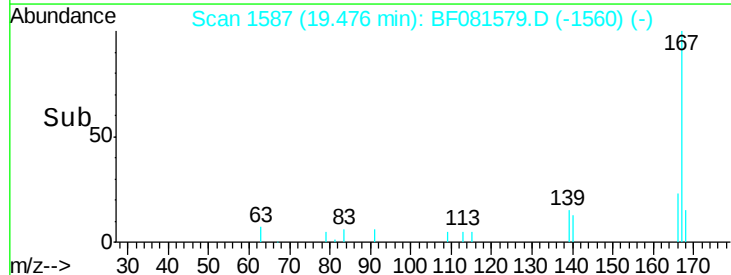
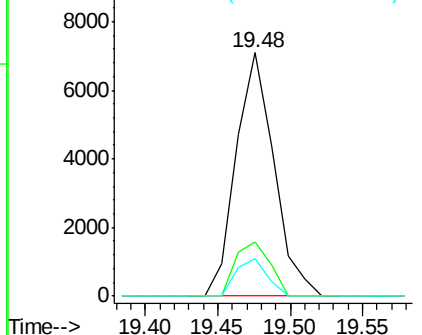


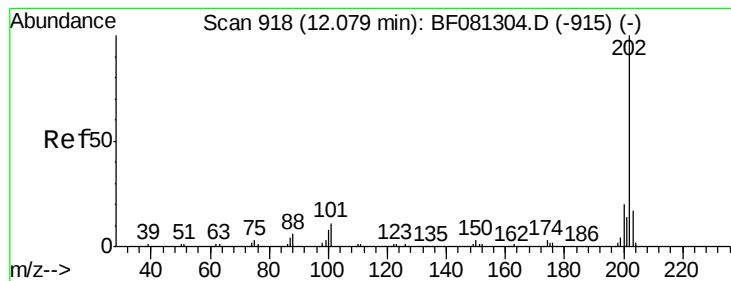
#72
 Carbazole
 Concen: 2.19 ng
 RT: 19.48 min Scan# 1587
 Delta R.T. 0.01 min
 Lab File: BF081579.D
 Acq: 10 Sep 2015 22:10

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

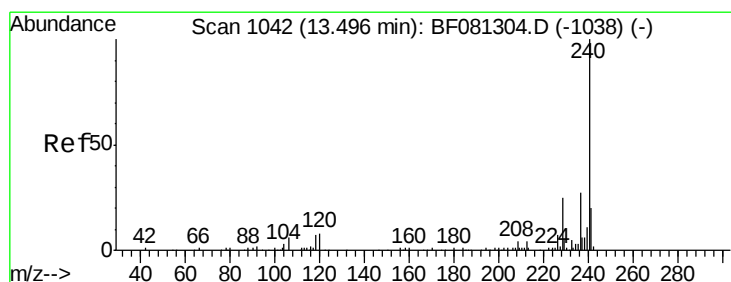
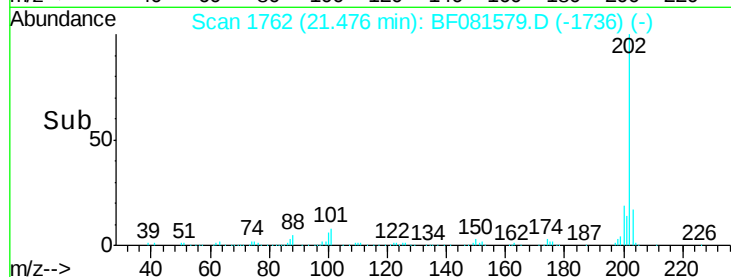
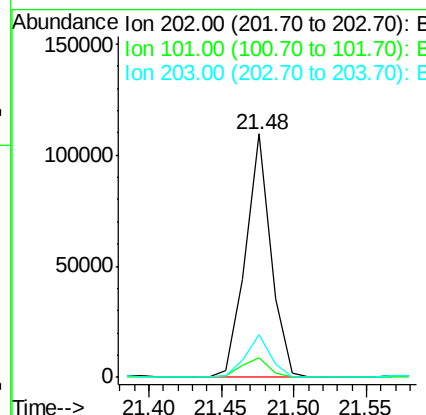
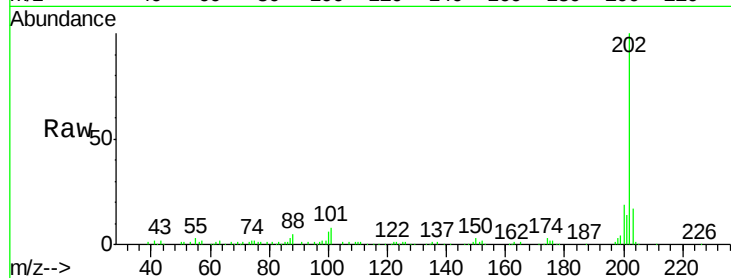
Instrument :

BNA_F

ClientSampleId :

TYB5(1.5-2)

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



#75

Chrysene-d12

Concen: 20.00 ng

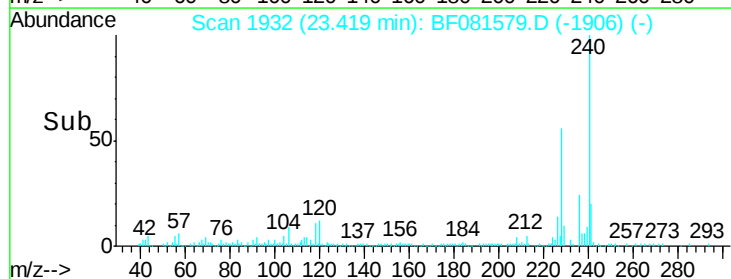
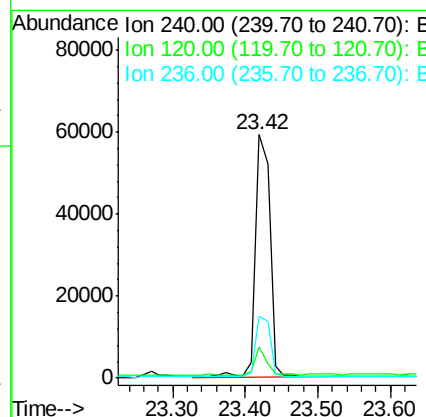
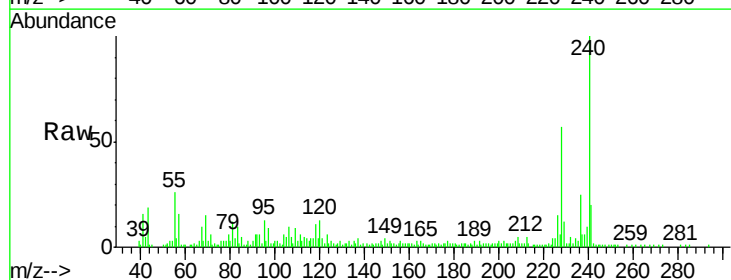
RT: 23.42 min Scan# 1932

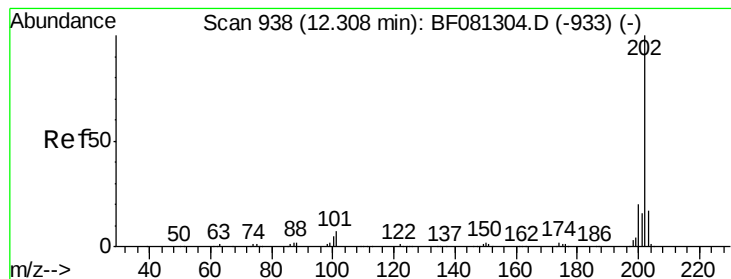
Delta R.T. -0.00 min

Lab File: BF081579.D

Acq: 10 Sep 2015 22:10

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





#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

Instrument :

BNA_F

ClientSampleId :

TYB5(1.5-2)

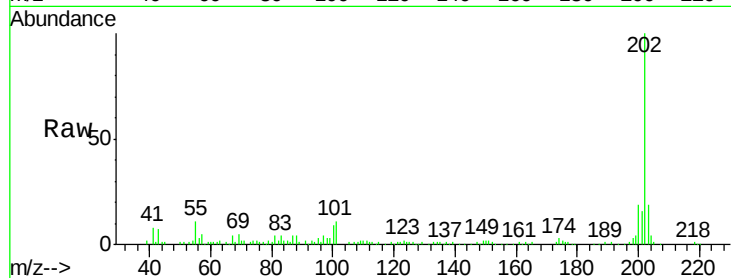
Tgt Ion:202 Resp: 124285

Ion Ratio Lower Upper

202 100

200 19.4 15.0 22.4

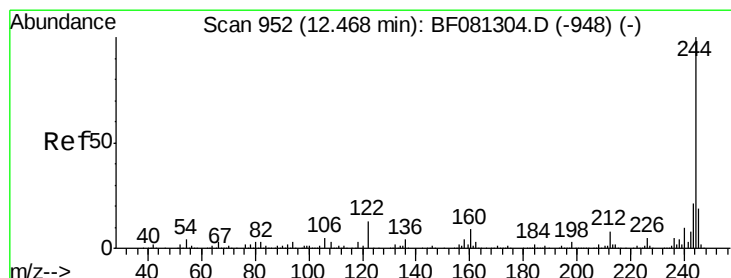
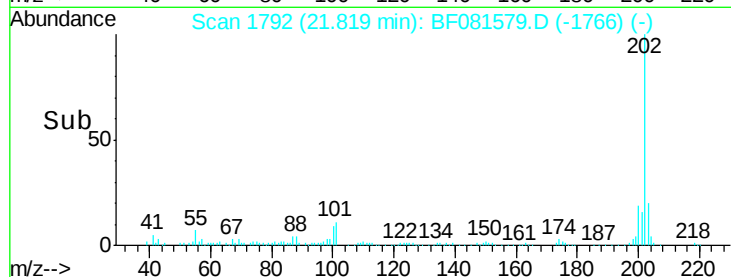
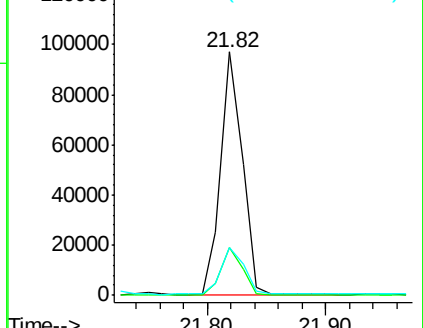
203 19.4 14.1 21.1



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

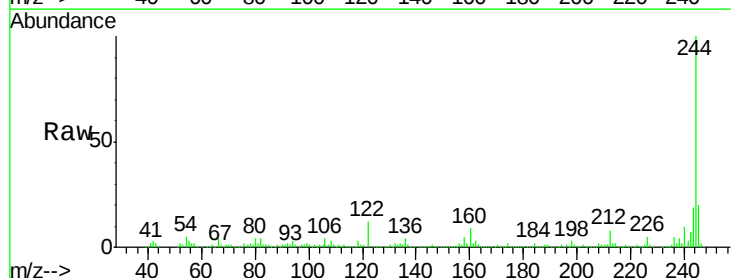
Tgt Ion:244 Resp: 317740

Ion Ratio Lower Upper

244 100

212 8.5 4.3 6.5#

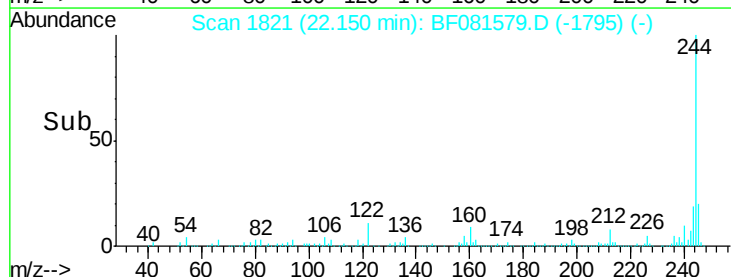
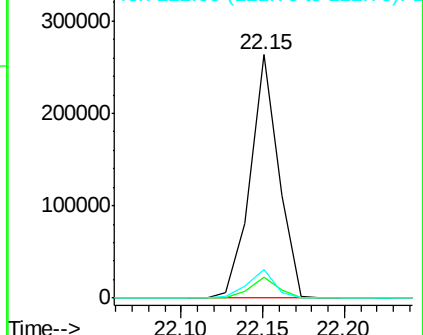
122 11.7 17.4 26.2#

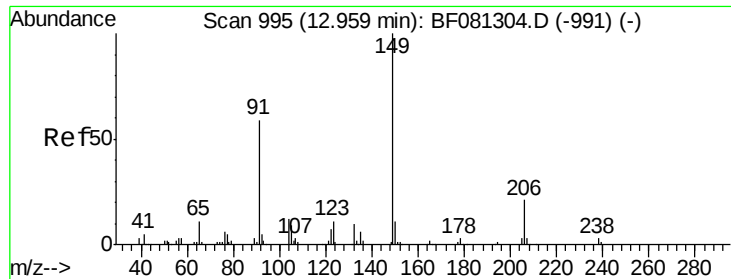


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

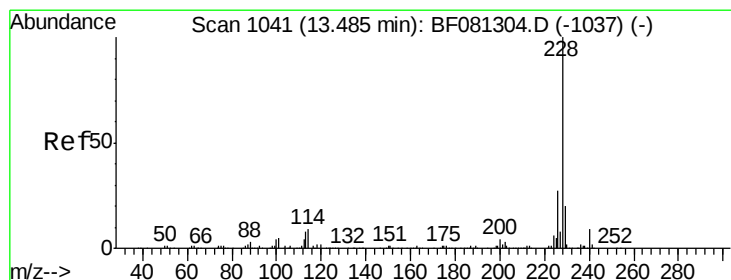
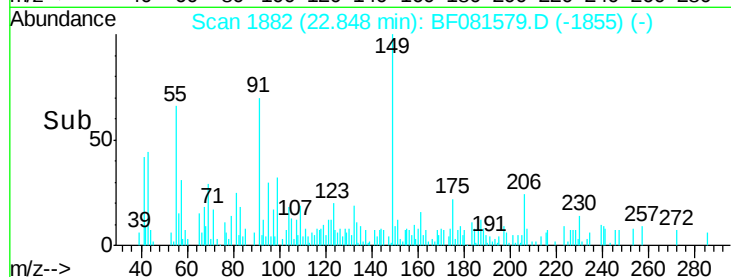
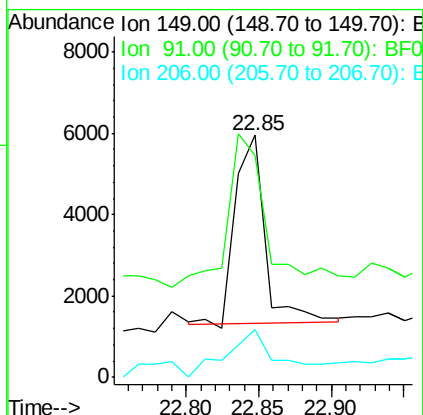
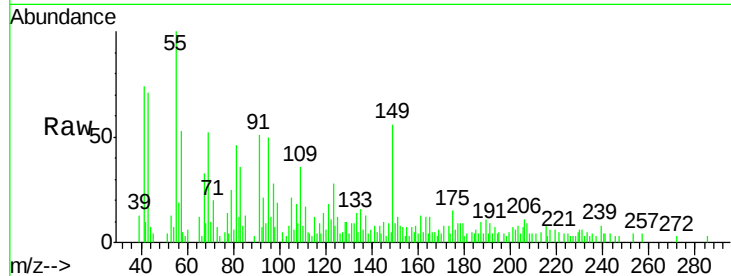




#79
Butylbenzylphthalate
Concen: 2.45 ng
RT: 22.85 min Scan# 1882
Delta R.T. 0.01 min
Lab File: BF081579.D
Acq: 10 Sep 2015 22:10

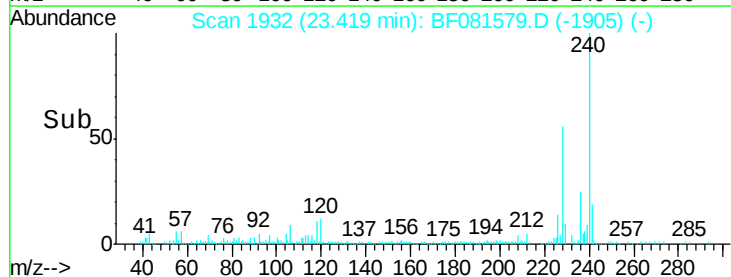
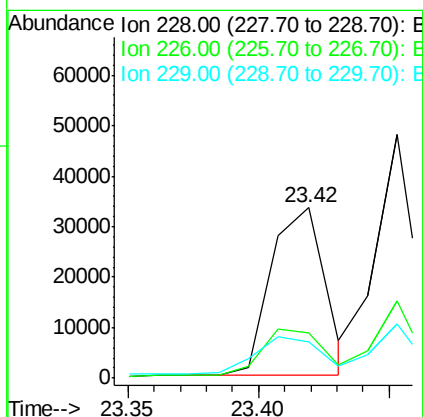
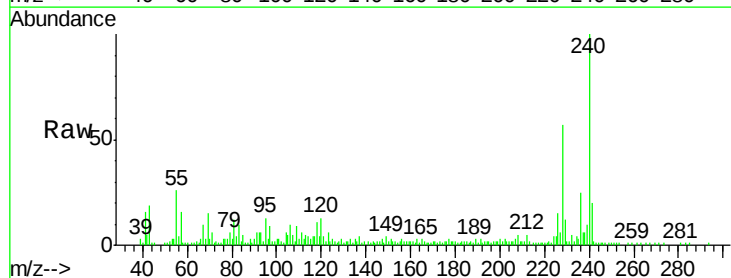
Instrument :
BNA_F
ClientSampleId :
TYB5(1.5-2)

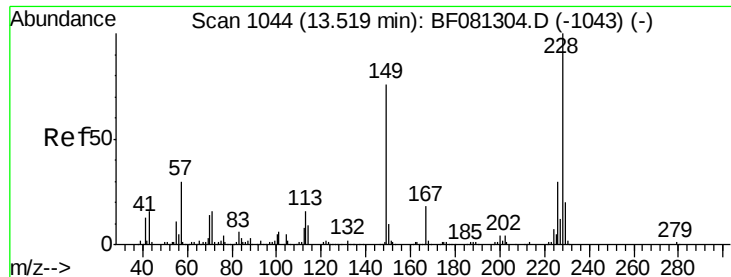
Tgt Ion:149 Resp: 6605
Ion Ratio Lower Upper
149 100
91 92.0 48.6 72.8#
206 19.9 14.9 22.3



#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

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: 10.00 ng

RT: 23.42 min Scan# 1932

Delta R.T. -0.02 min

Lab File: BF081579.D

Acq: 10 Sep 2015 22:10

Instrument :

BNA_F

ClientSampleId :

TYB5(1.5-2)

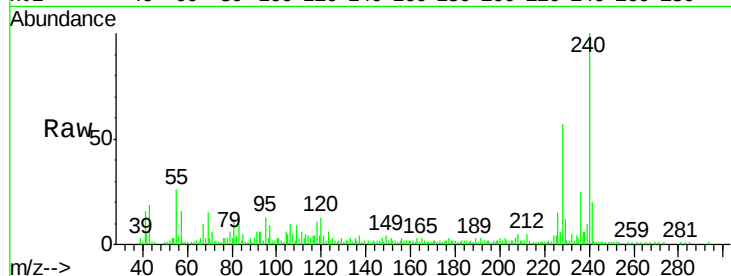
Tgt Ion:228 Resp: 47832

Ion Ratio Lower Upper

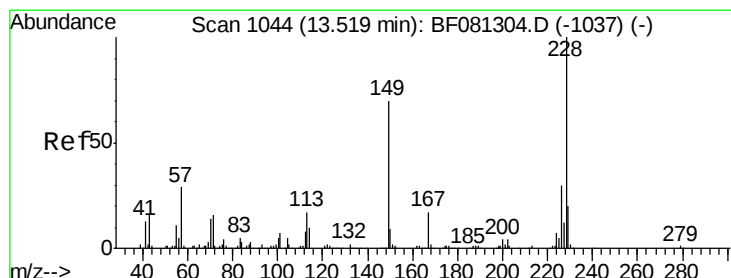
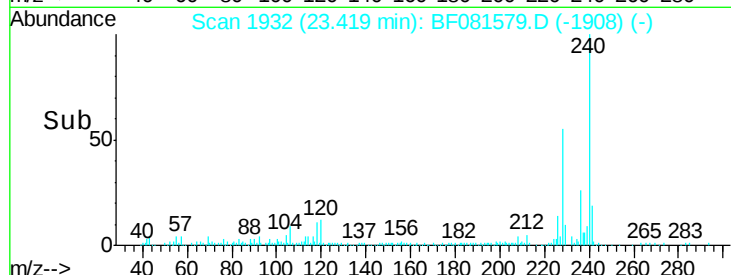
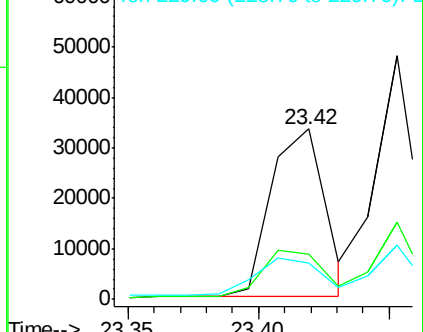
228 100

226 26.8 21.0 31.4

229 20.9 15.6 23.4



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



#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

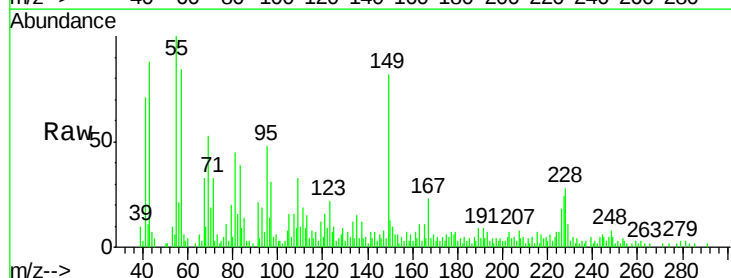
Tgt Ion:149 Resp: 16182

Ion Ratio Lower Upper

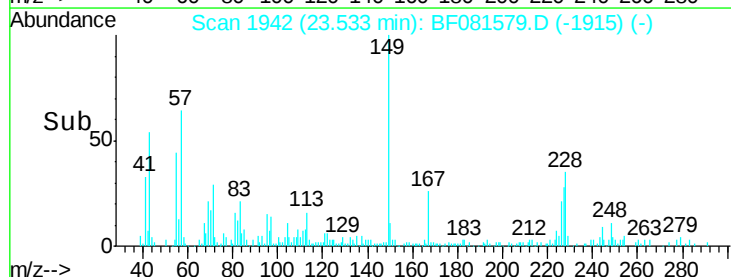
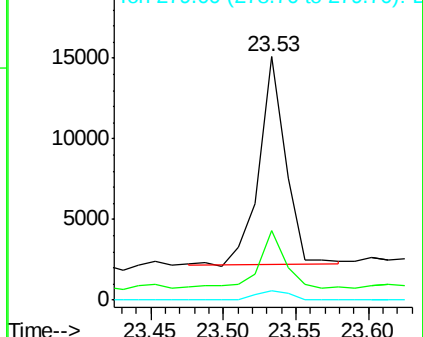
149 100

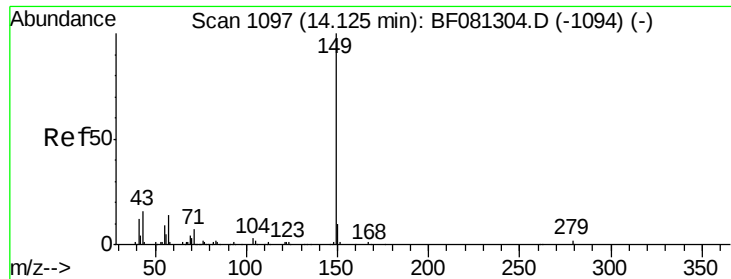
167 28.4 24.2 36.2

279 3.7 3.8 5.6#



Abundance Ion 149.00 (148.70 to 149.70): E
Ion 167.00 (166.70 to 167.70): E
Ion 279.00 (278.70 to 279.70): E





#84

Di-n-octyl phthalate

Concen: 15.01 ng

RT: 24.23 min Scan# 2003

Delta R.T. 0.05 min

Lab File: BF081579.D

Acq: 10 Sep 2015 22:10

Instrument :

BNA_F

ClientSampleId :

TYB5(1.5-2)

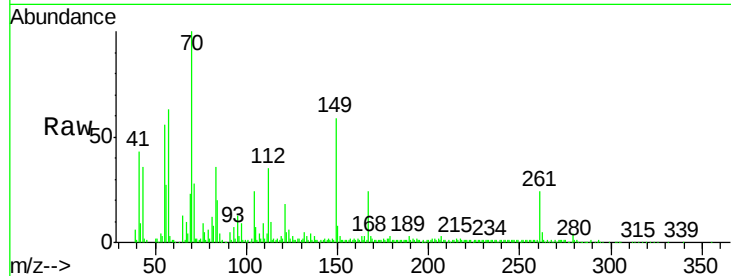
Tgt Ion:149 Resp: 88097

Ion Ratio Lower Upper

149 100

167 40.6 1.0 1.6#

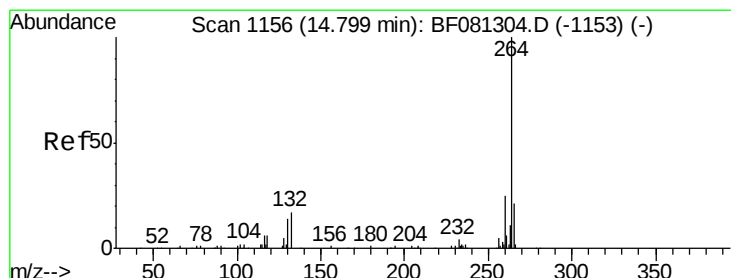
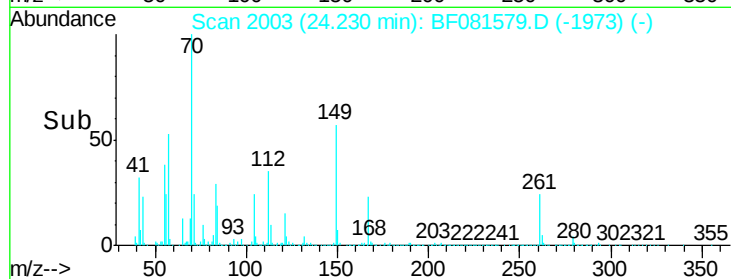
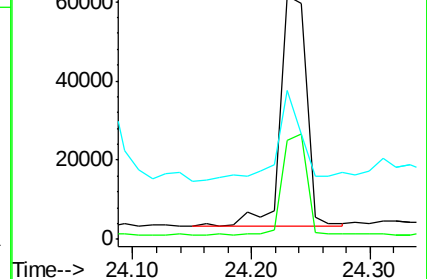
43 34.7 10.2 15.2#



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 43.00 (42.70 to 43.70): BF0



#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

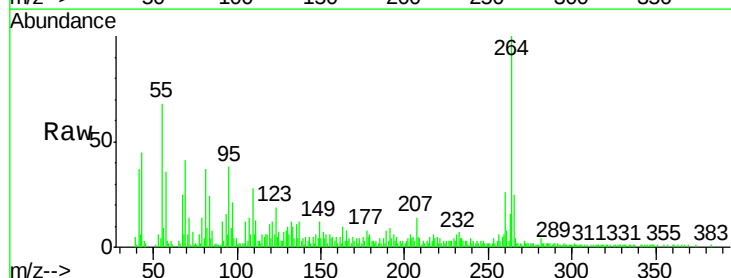
Tgt Ion:264 Resp: 48008

Ion Ratio Lower Upper

264 100

260 26.1 16.7 25.1#

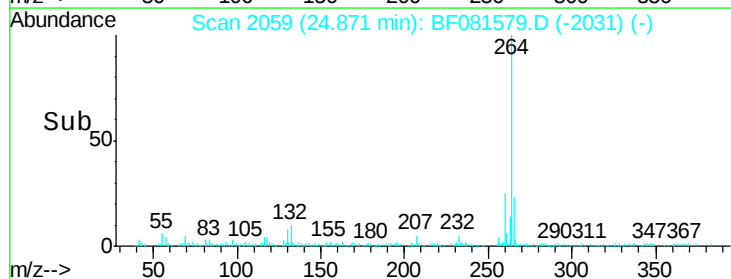
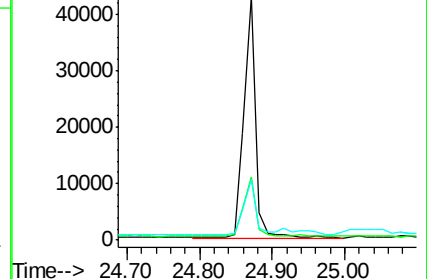
265 24.7 17.2 25.8

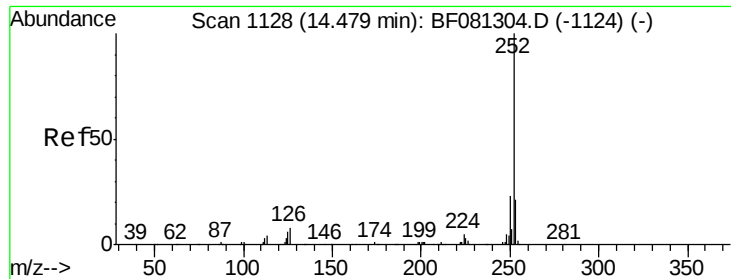


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#87

Benzo(b)fluoranthene

Concen: 18.22 ng

RT: 24.53 min Scan# 2029

Delta R.T. 0.02 min

Lab File: BF081579.D

Acq: 10 Sep 2015 22:10

Instrument :

BNA_F

ClientSampleId :

TYB5(1.5-2)

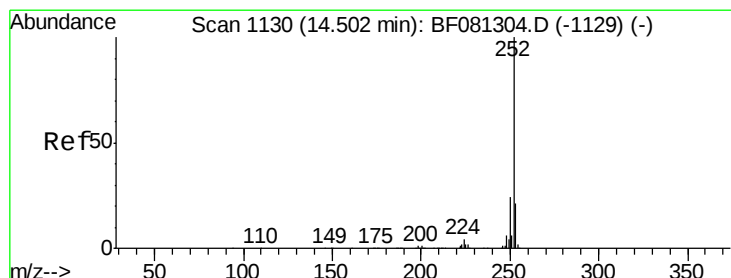
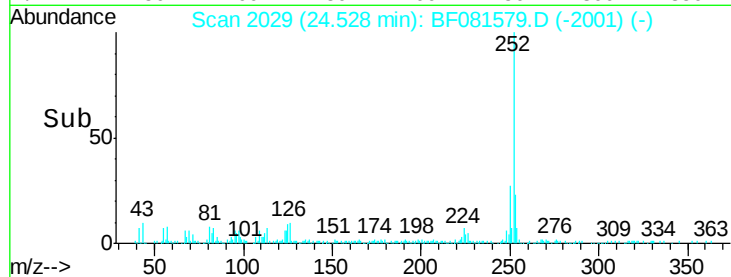
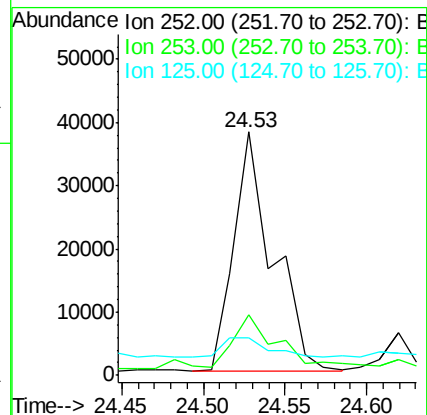
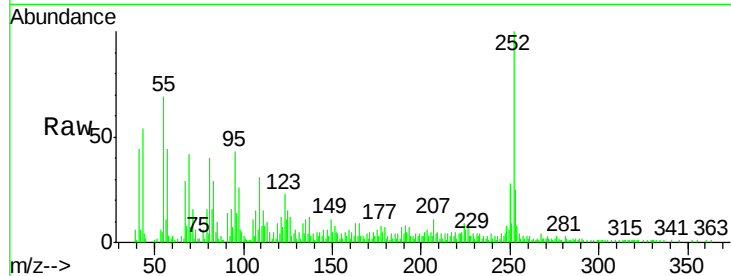
Tgt Ion:252 Resp: 62438

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: 21.95 ng

RT: 24.53 min Scan# 2029

Delta R.T. -0.01 min

Lab File: BF081579.D

Acq: 10 Sep 2015 22:10

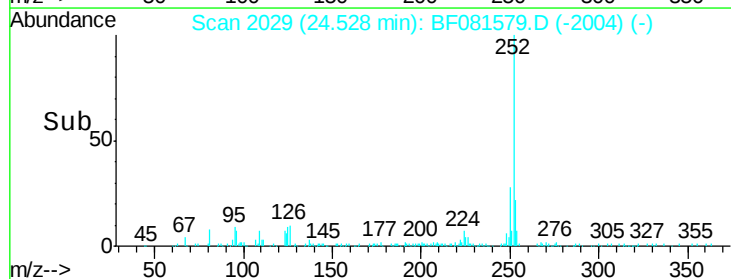
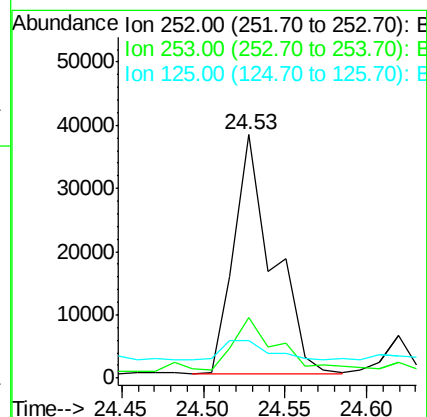
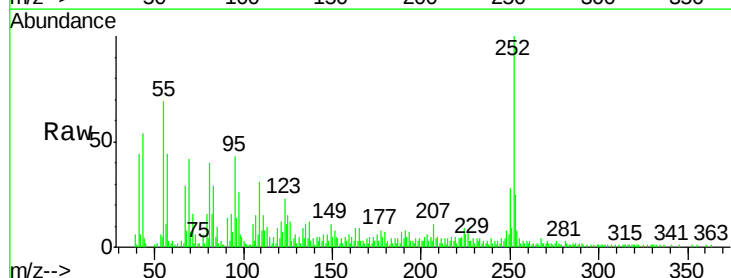
Tgt Ion:252 Resp: 62438

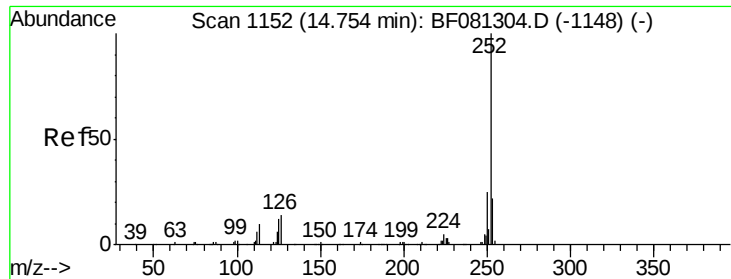
Ion Ratio Lower Upper

252 100

253 25.1 17.0 25.4

125 15.5 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

Instrument :

BNA_F

ClientSampleId :

TYB5(1.5-2)

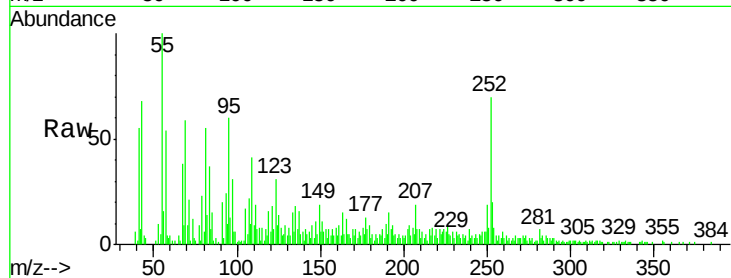
Tgt Ion:252 Resp: 27376

Ion Ratio Lower Upper

252 100

253 28.9 17.2 25.8#

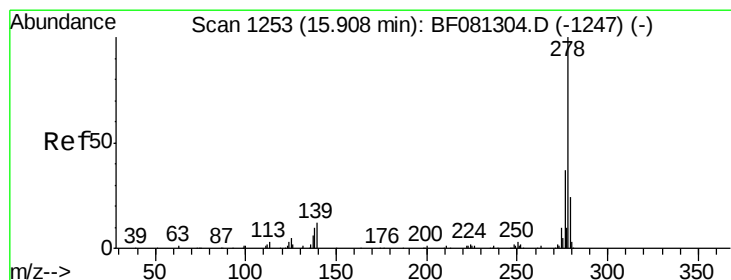
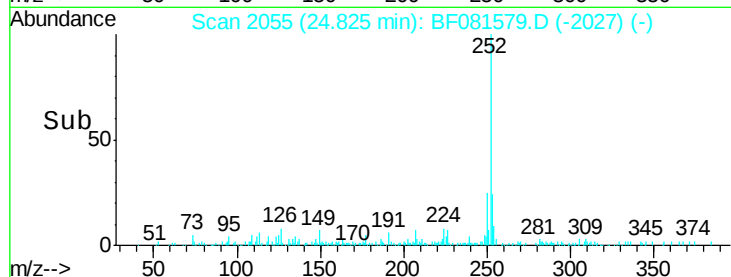
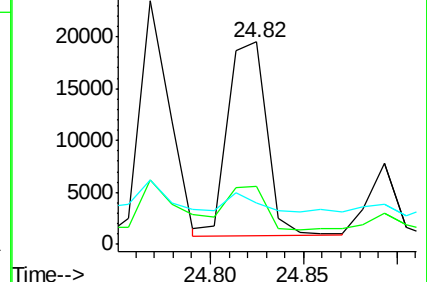
125 20.7 18.0 27.0



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



#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

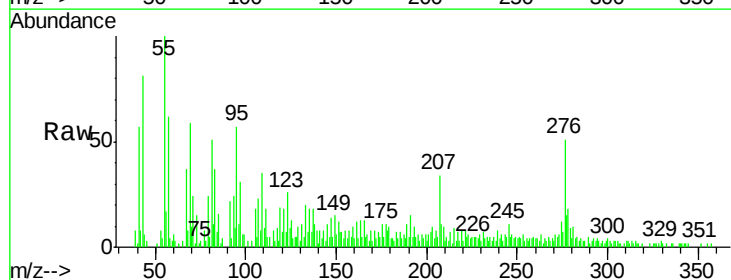
Tgt Ion:278 Resp: 5879

Ion Ratio Lower Upper

278 100

139 42.9 26.3 39.5#

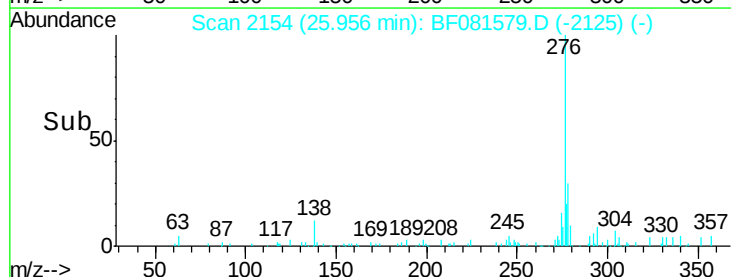
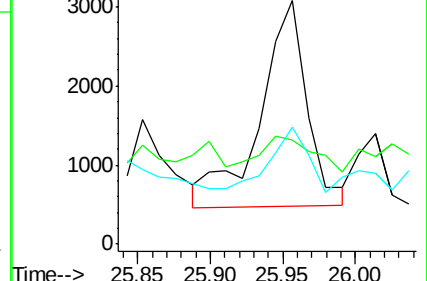
279 47.9 18.2 27.4#

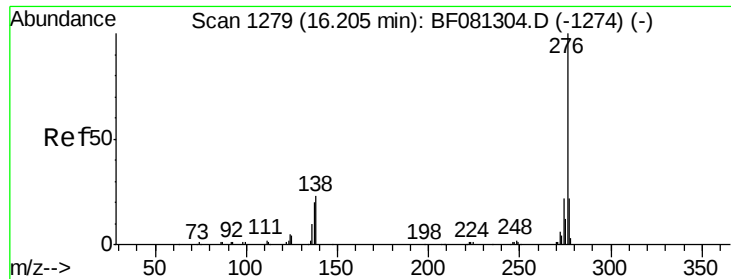


Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E





#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

Instrument :

BNA_F

ClientSampleId :

TYB5(1.5-2)

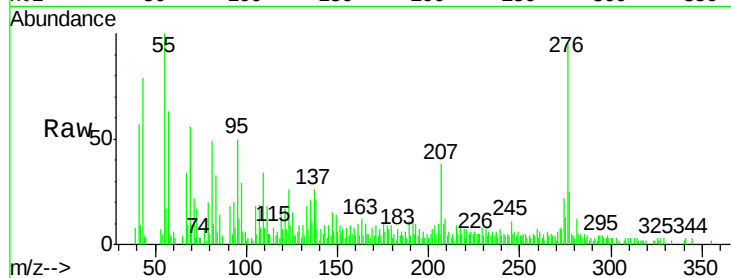
Tgt Ion:276 Resp: 24869

Ion Ratio Lower Upper

276 100

277 26.0 17.8 26.6

138 21.6 34.6 51.8#



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

