

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF092615\
 Data File : BF081831.D
 Acq On : 26 Sep 2015 16:55
 Operator : UM/IZ
 Sample : G3785-01
 Misc :
 ALS Vial : 45 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 MGP221BR-26-28

Quant Time: Sep 28 06:57:06 2015
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF092415.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Sep 25 06:02:49 2015
 Response via : Initial Calibration

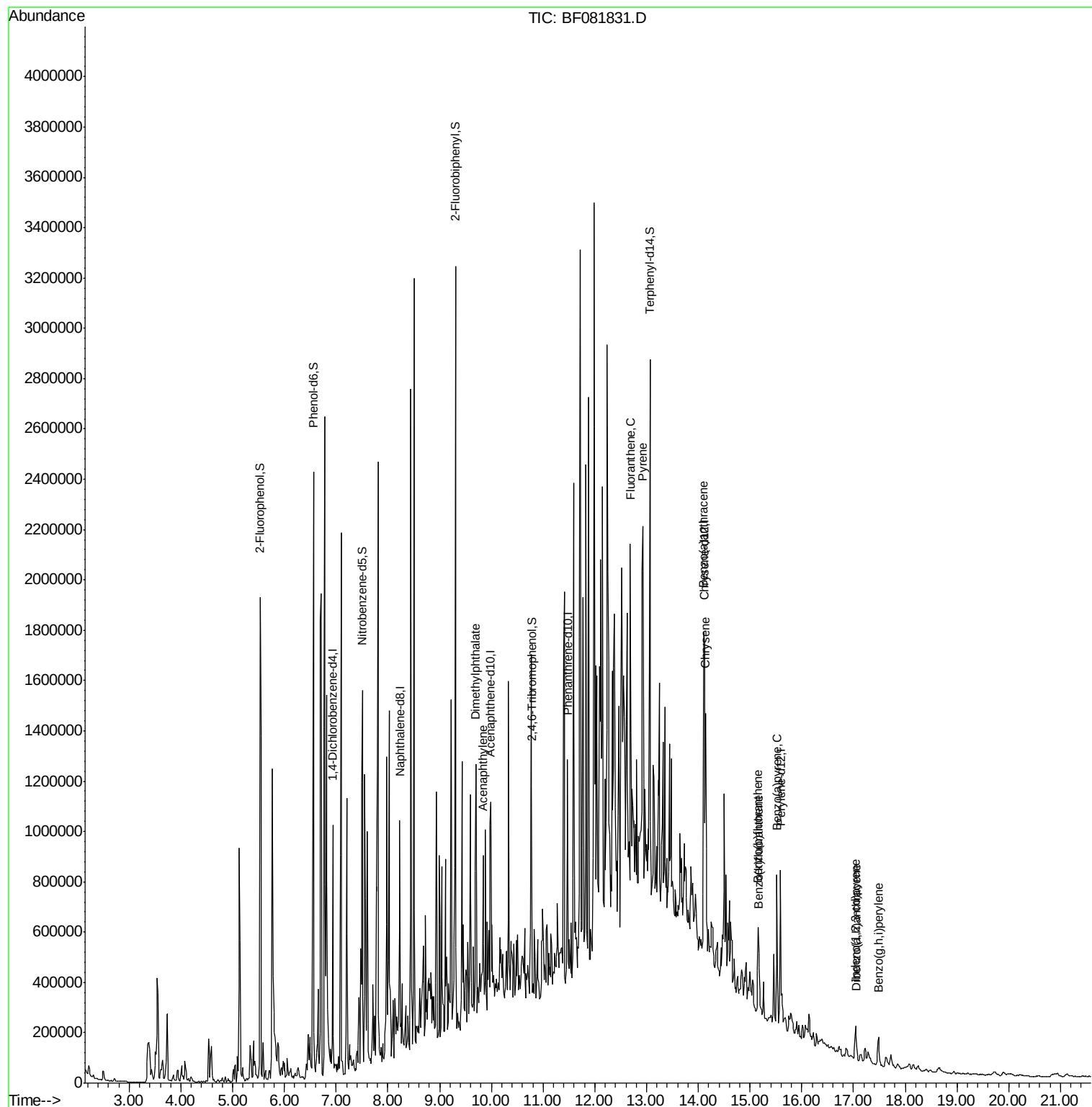
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.94	152	124121m	20.00	ng	-0.01
21) Naphthalene-d8	8.23	136	486955m	20.00	ng	-0.01
38) Acenaphthene-d10	9.99	164	236506m	20.00	ng	-0.01
63) Phenanthrene-d10	11.47	188	400175m	20.00	ng	0.00
75) Chrysene-d12	14.12	240	299465m	20.00	ng	0.00
86) Perylene-d12	15.59	264	329981m	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.53	112	722989	98.54	ng	-0.01
7) Phenol-d6	6.56	99	867084	93.43	ng	-0.01
23) Nitrobenzene-d5	7.51	82	584045	79.13	ng	-0.01
41) 2,4,6-Tribromophenol	10.78	330	218021m	106.18	ng	-0.01
44) 2-Fluorobiphenyl	9.30	172	834948m	57.95	ng	-0.01
78) Terphenyl-d14	13.06	244	687113m	52.41	ng	0.00
Target Compounds						Qvalue
48) Acenaphthylene	9.84	152	286281m	11.37	ng	
49) Dimethylphthalate	9.70	163	332540m	18.48	ng	
74) Fluoranthene	12.69	202	486509m	21.10	ng	
77) Pyrene	12.93	202	871010m	38.58	ng	
80) Benzo(a)anthracene	14.10	228	554448m	30.53	ng	
82) Chrysene	14.14	228	405033m	23.26	ng	
85) Indeno(1,2,3-cd)pyrene	17.04	276	87520m	5.49	ng	
87) Benzo(b)fluoranthene	15.16	252	224951m	11.50	ng	
88) Benzo(k)fluoranthene	15.17	252	90814m	4.82	ng	
89) Benzo(a)pyrene	15.52	252	309620m	17.52	ng	
90) Dibenzo(a,h)anthracene	17.05	278	39636m	2.15	ng	
91) Benzo(g,h,i)perylene	17.49	276	93738m	4.94	ng	

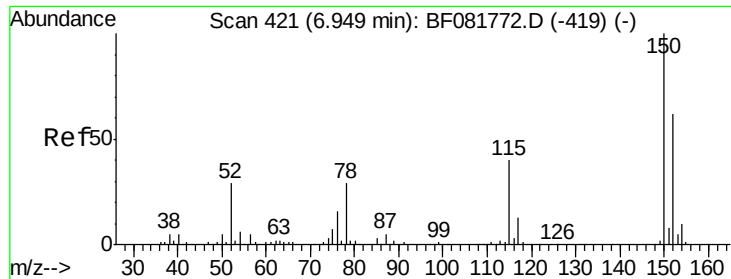
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng m

RT: 6.94 min Scan# 420

Delta R.T. -0.01 min

Lab File: BF081831.D

Acq: 26 Sep 2015 16:55

Instrument :

BNA_F

ClientSampleId :

MGP221BR-26-28

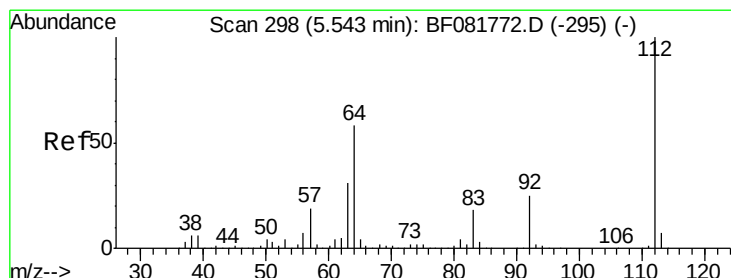
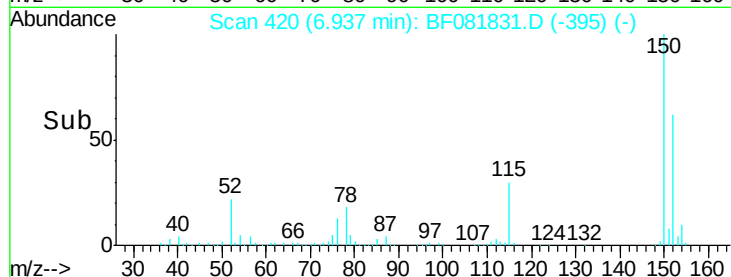
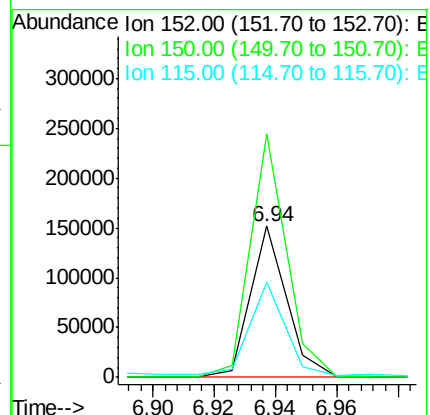
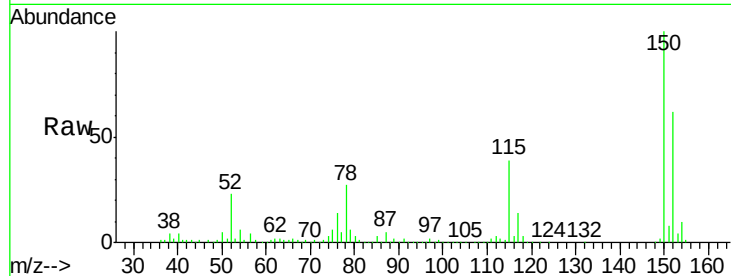
Tgt Ion:152 Resp: 124121

Ion Ratio Lower Upper

152 100

150 161.4 124.7 187.1

115 62.8 39.0 58.4#



#5

2-Fluorophenol

Concen: 98.54 ng

RT: 5.53 min Scan# 297

Delta R.T. -0.01 min

Lab File: BF081831.D

Acq: 26 Sep 2015 16:55

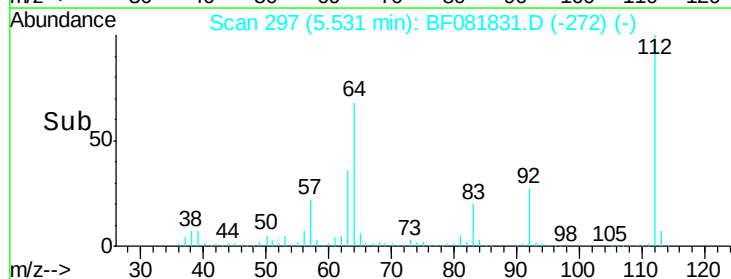
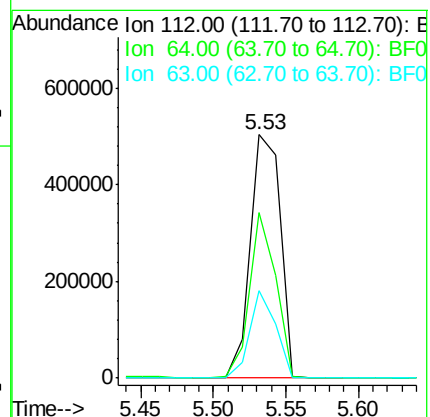
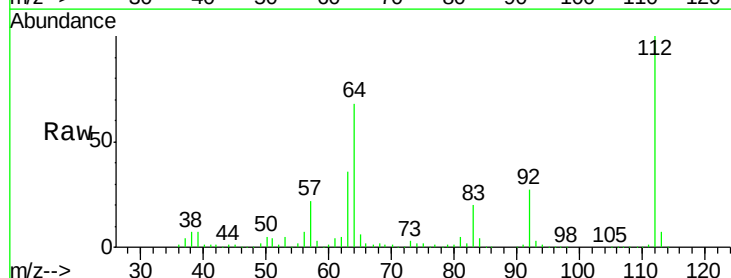
Tgt Ion:112 Resp: 722989

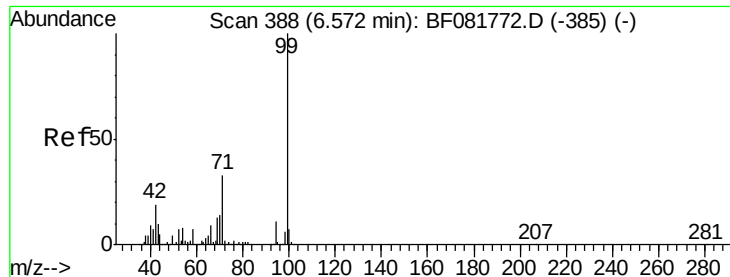
Ion Ratio Lower Upper

112 100

64 68.2 39.7 59.5#

63 35.7 17.4 26.0#





#7

Phenol-d6

Concen: 93.43 ng

RT: 6.56 min Scan# 387

Delta R.T. -0.01 min

Lab File: BF081831.D

Acq: 26 Sep 2015 16:55

Instrument :

BNA_F

ClientSampleId :

MGP221BR-26-28

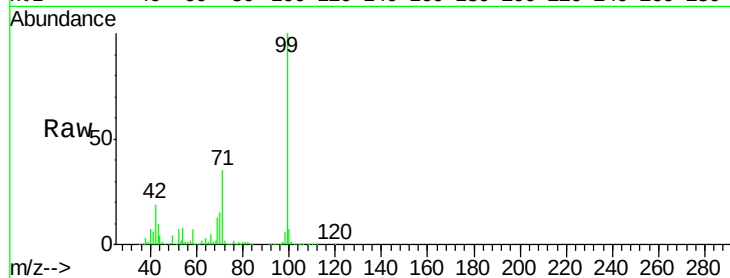
Tgt Ion: 99 Resp: 867084

Ion Ratio Lower Upper

99 100

42 19.3 13.7 20.5

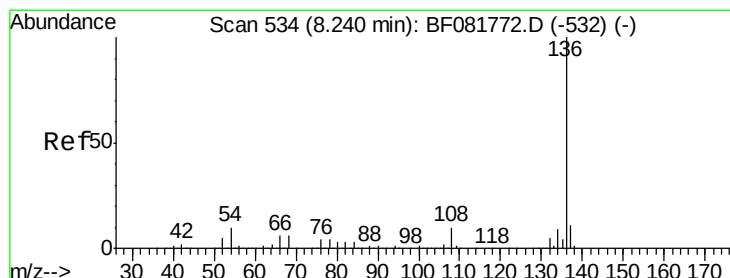
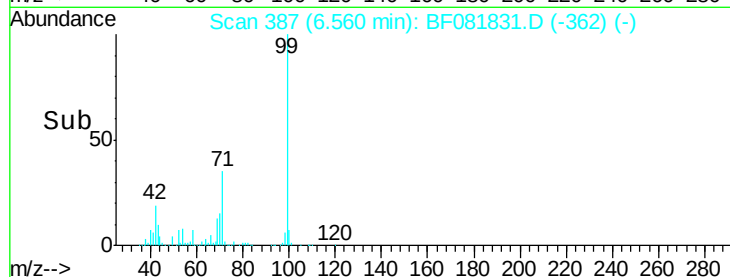
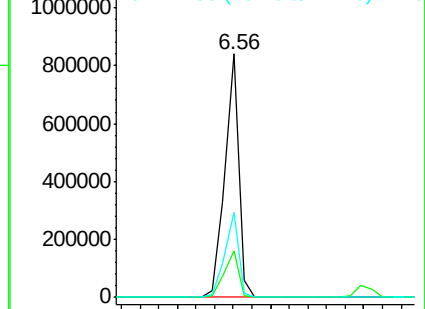
71 34.7 14.2 21.2#



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 m

RT: 8.23 min Scan# 533

Delta R.T. -0.01 min

Lab File: BF081831.D

Acq: 26 Sep 2015 16:55

Tgt Ion: 136 Resp: 486955

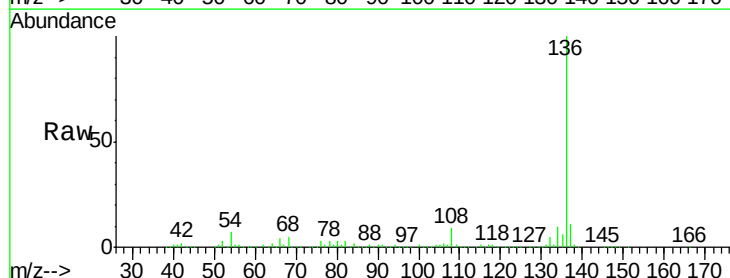
Ion Ratio Lower Upper

136 100

137 10.9 9.0 13.6

54 6.6 8.2 12.2#

68 4.7 5.8 8.6#

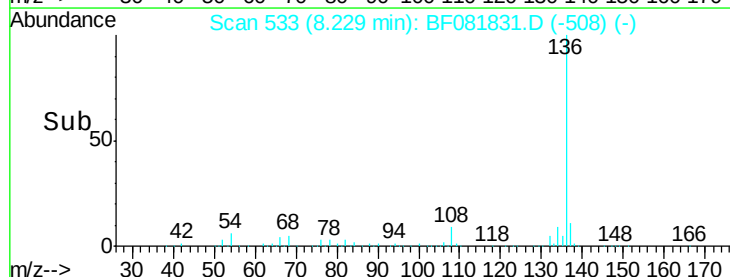
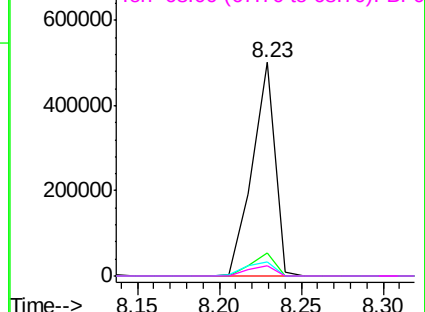


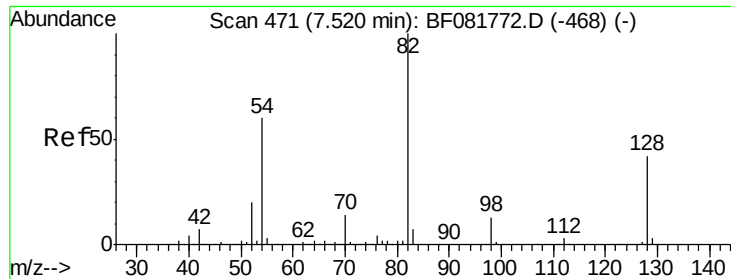
Abundance Ion 136.00 (135.70 to 136.70): E

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

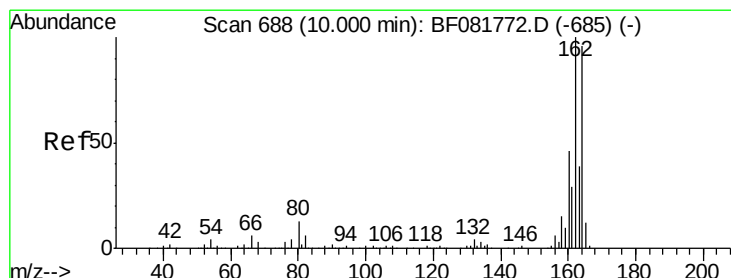
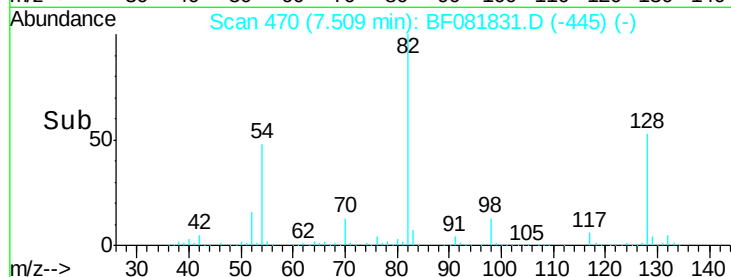
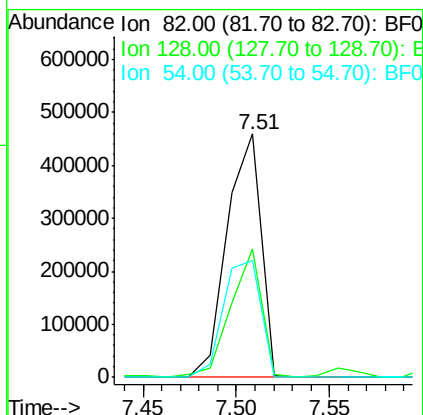
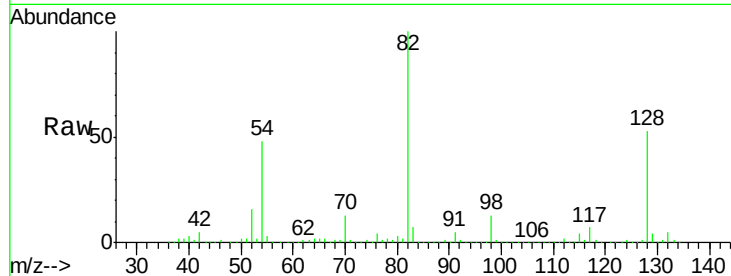




#23
 Nitrobenzene-d5
 Concen: 79.13 ng
 RT: 7.51 min Scan# 470
 Delta R.T. -0.01 min
 Lab File: BF081831.D
 Acq: 26 Sep 2015 16:55

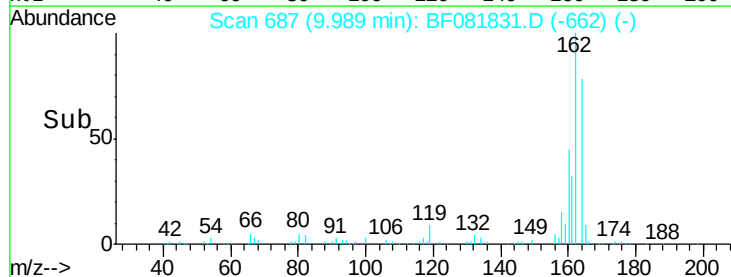
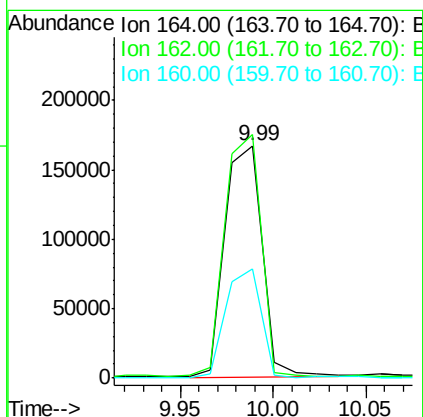
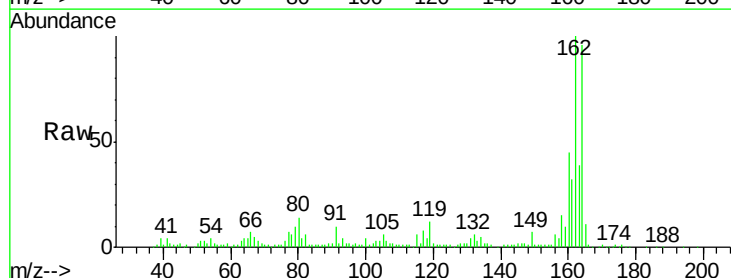
Instrument :
 BNA_F
 ClientSampleId :
 MGP221BR-26-28

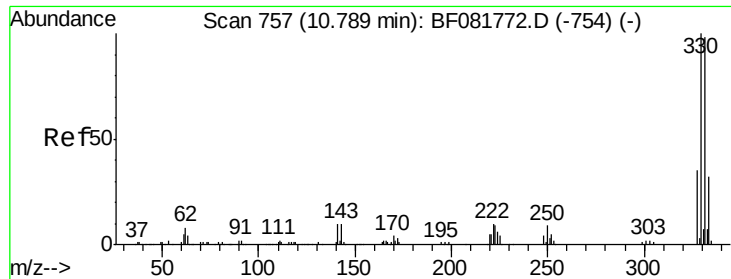
Tgt Ion: 82 Resp: 584045
 Ion Ratio Lower Upper
 82 100
 128 52.6 51.0 76.6
 54 48.2 47.5 71.3



#38
 Acenaphthene-d10
 Concen: 20.00 ng m
 RT: 9.99 min Scan# 687
 Delta R.T. -0.01 min
 Lab File: BF081831.D
 Acq: 26 Sep 2015 16:55

Tgt Ion: 164 Resp: 236506
 Ion Ratio Lower Upper
 164 100
 162 104.7 75.2 112.8
 160 46.8 31.5 47.3

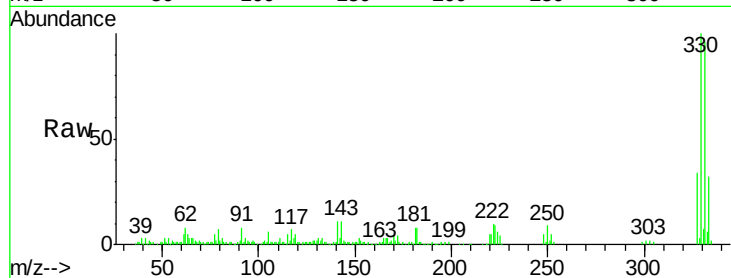




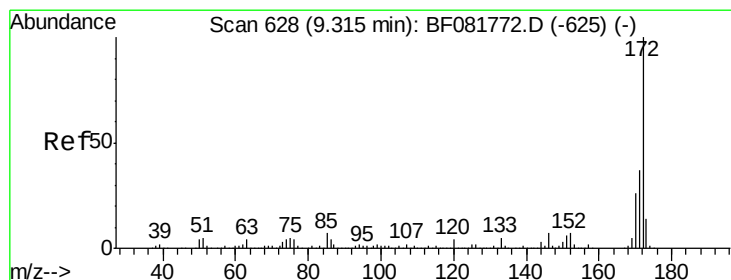
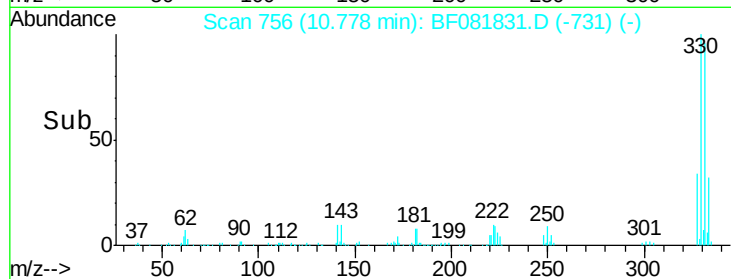
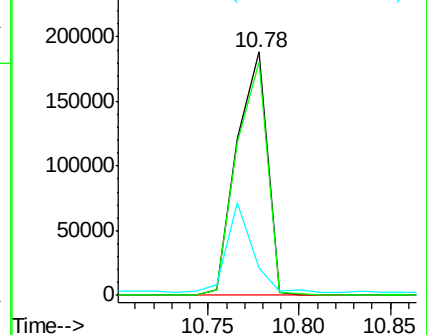
#41
 2,4,6-Tribromophenol
 Concen: 106.18 ng m
 RT: 10.78 min Scan# 756
 Delta R.T. -0.01 min
 Lab File: BF081831.D
 Acq: 26 Sep 2015 16:55

Instrument :
 BNA_F
 ClientSampleId :
 MGP221BR-26-28

Tgt Ion	Ratio	Lower	Upper
330	100		
332	0.0	76.6	114.8#
141	0.0	29.7	44.5#

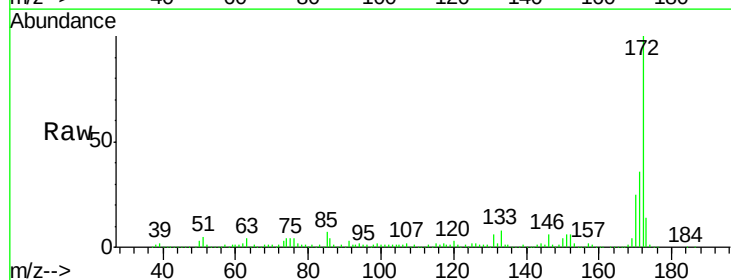


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

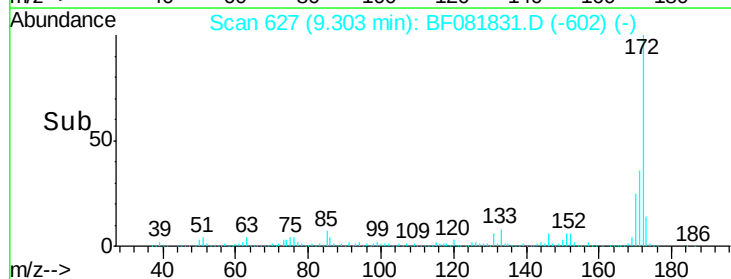
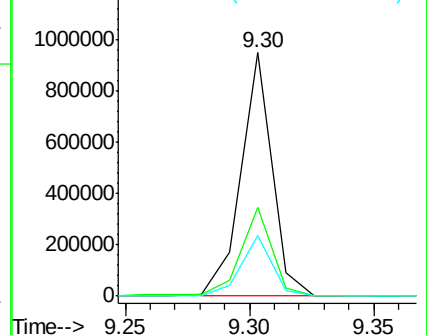


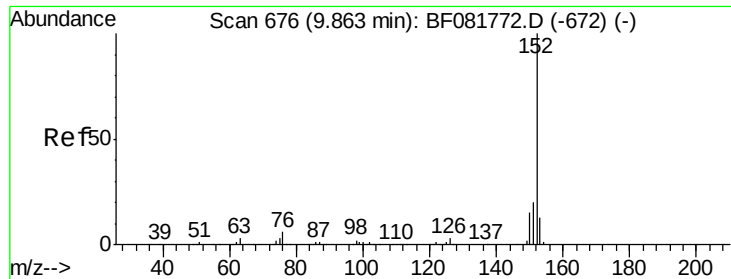
#44
 2-Fluorobiphenyl
 Concen: 57.95 ng m
 RT: 9.30 min Scan# 627
 Delta R.T. -0.01 min
 Lab File: BF081831.D
 Acq: 26 Sep 2015 16:55

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.2	26.1	39.1
170	24.6	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





#48

Acenaphthylene

Concen: 11.37 ng m

RT: 9.84 min Scan# 674

Delta R.T. -0.02 min

Lab File: BF081831.D

Acq: 26 Sep 2015 16:55

Instrument :

BNA_F

ClientSampleId :

MGP221BR-26-28

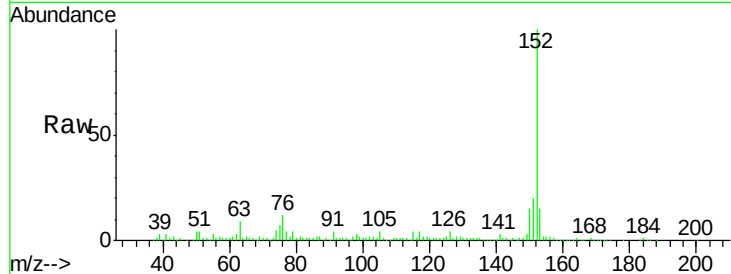
Tgt Ion:152 Resp: 286281

Ion Ratio Lower Upper

152 100

151 20.2 14.6 22.0

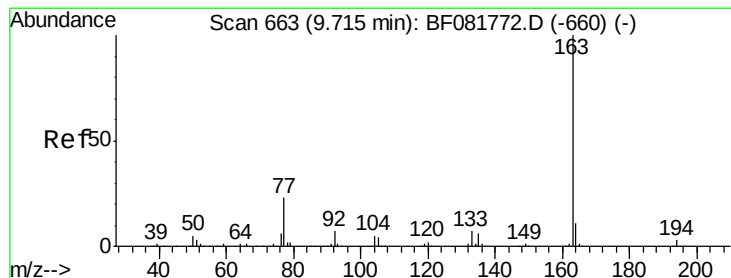
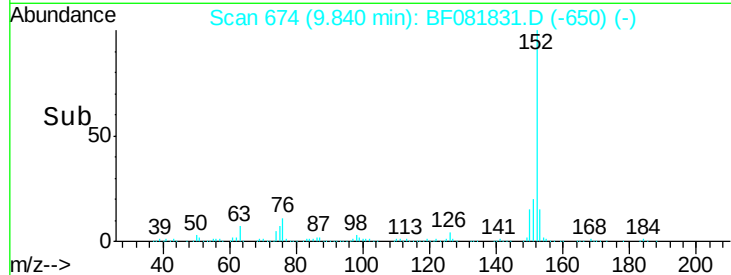
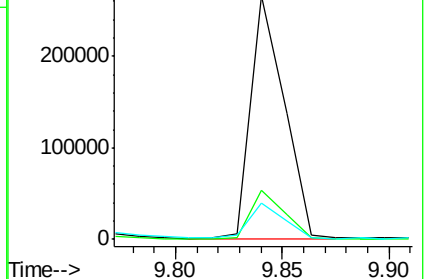
153 15.1 10.3 15.5



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E



#49

Dimethylphthalate

Concen: 18.48 ng m

RT: 9.70 min Scan# 662

Delta R.T. -0.01 min

Lab File: BF081831.D

Acq: 26 Sep 2015 16:55

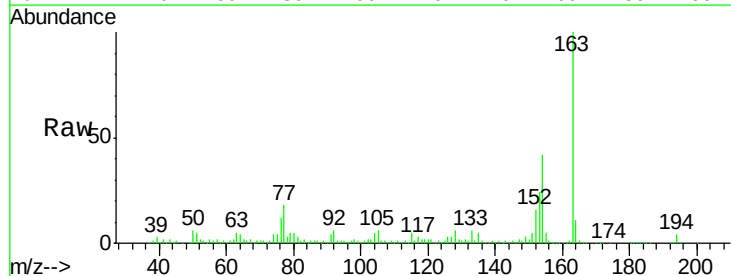
Tgt Ion:163 Resp: 332540

Ion Ratio Lower Upper

163 100

194 4.1 4.4 6.6#

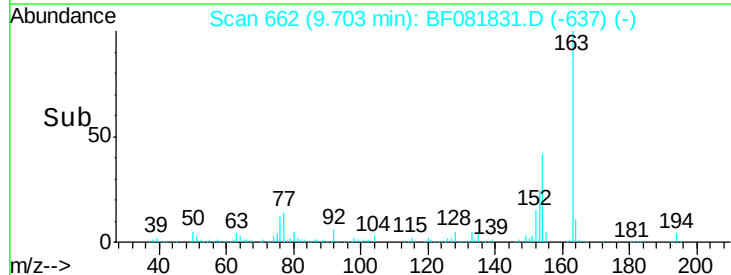
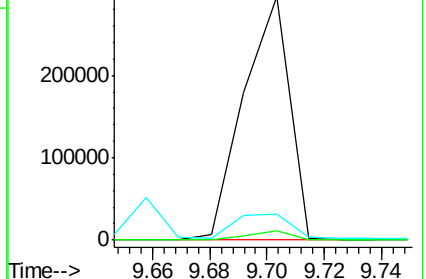
164 10.8 8.3 12.5

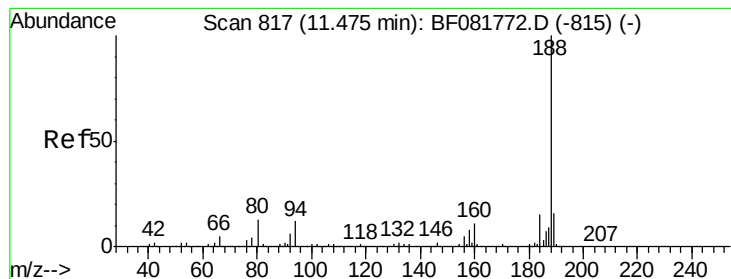


Abundance Ion 163.00 (162.70 to 163.70): E

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 m

RT: 11.47 min Scan# 817

Delta R.T. 0.00 min

Lab File: BF081831.D

Acq: 26 Sep 2015 16:55

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MGP221BR-26-28

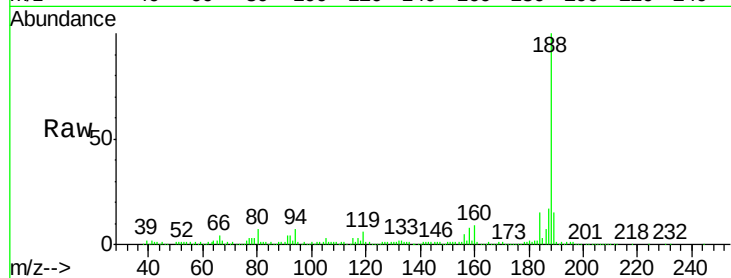
Tgt Ion:188 Resp: 400175

Ion Ratio Lower Upper

188 100

94 7.1 11.1 16.7#

80 7.2 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

11.47

400000

300000

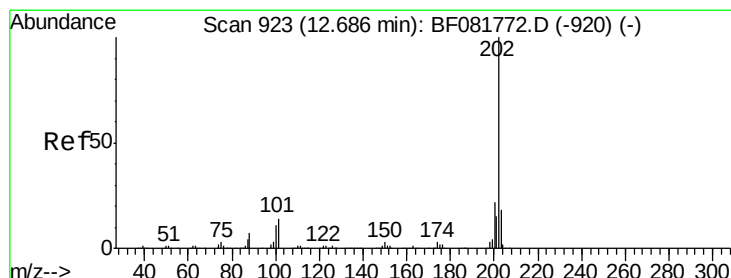
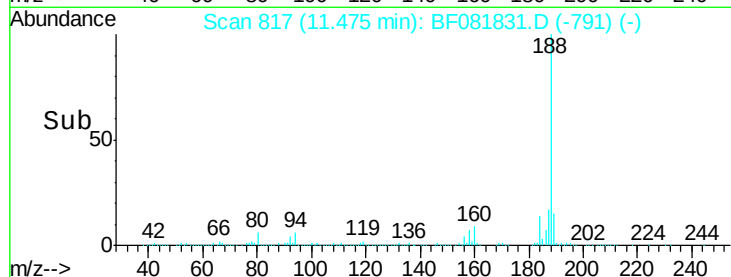
200000

100000

0

11.45 11.50

Time-->



#74

Fluoranthene

Concen: 21.10 ng m

RT: 12.69 min Scan# 923

Delta R.T. 0.00 min

Lab File: BF081831.D

Acq: 26 Sep 2015 16:55

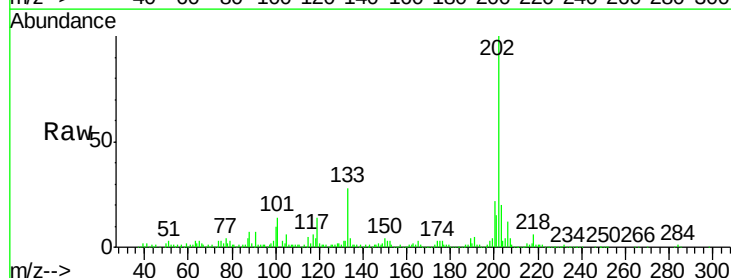
Tgt Ion:202 Resp: 486509

Ion Ratio Lower Upper

202 100

101 14.2 0.0 38.3

203 19.7 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

12.69

600000

500000

400000

300000

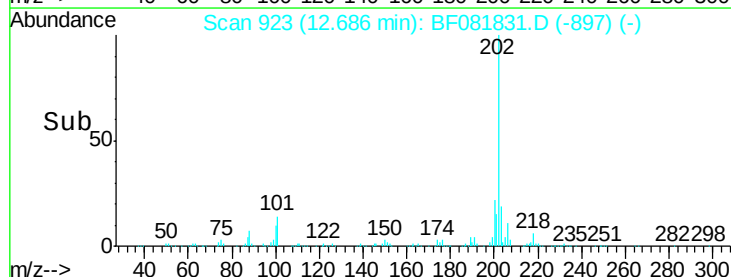
200000

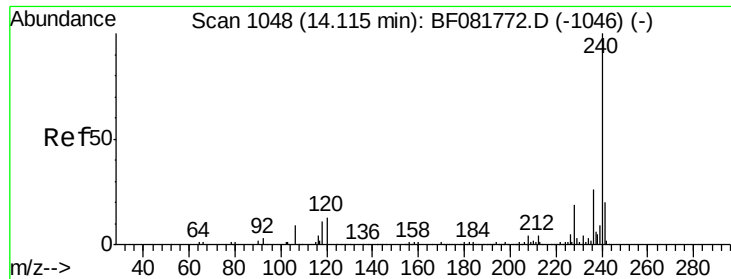
100000

0

12.65 12.70

Time-->

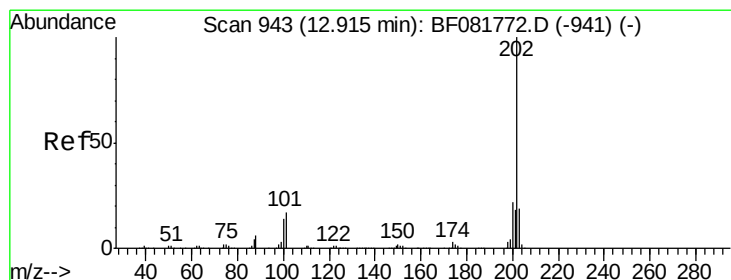
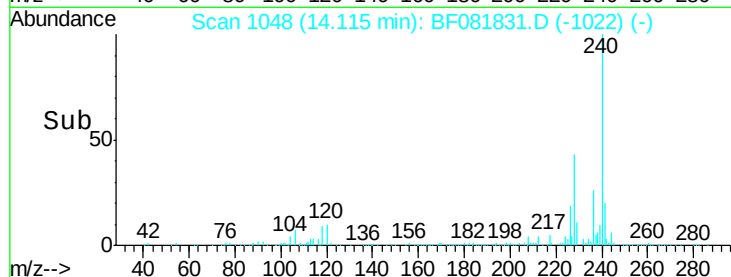
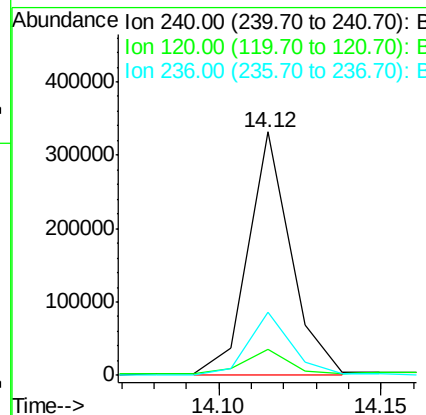
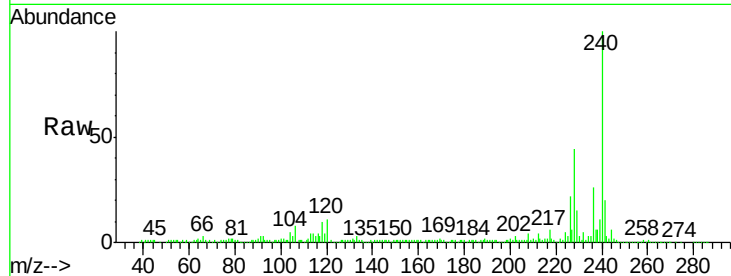




#75
Chrysene-d12
Concen: 20.00 ng m
RT: 14.12 min Scan# 1048
Delta R.T. 0.00 min
Lab File: BF081831.D
Acq: 26 Sep 2015 16:55

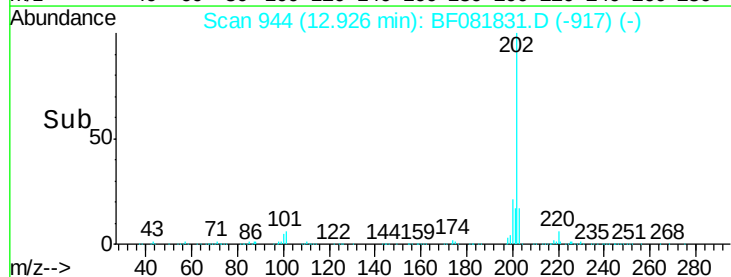
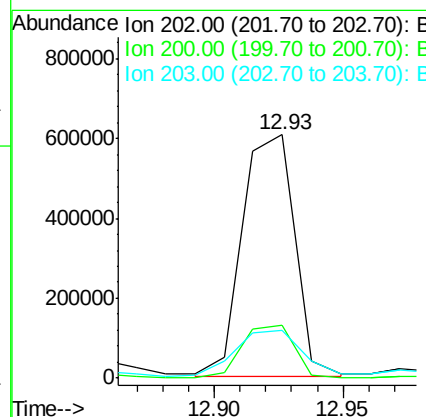
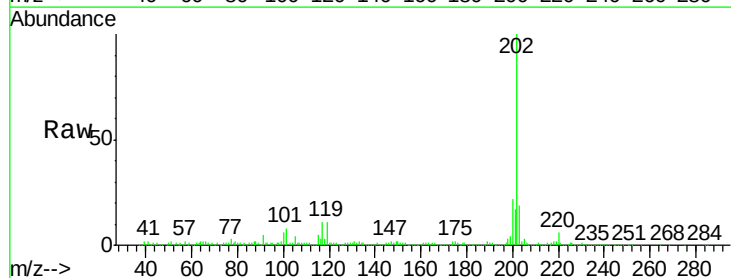
Instrument :
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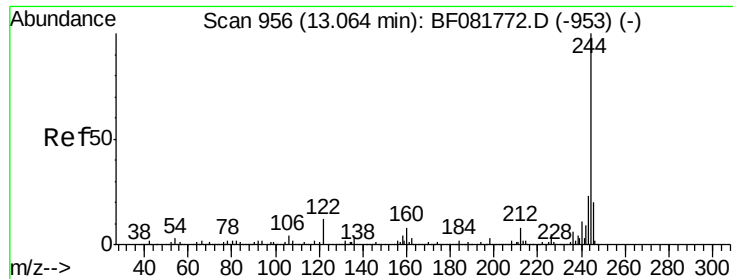
Tgt Ion:240 Resp: 299465
Ion Ratio Lower Upper
240 100
120 10.8 16.2 24.2#
236 26.0 18.4 27.6



#77
Pyrene
Concen: 38.58 ng m
RT: 12.93 min Scan# 944
Delta R.T. 0.01 min
Lab File: BF081831.D
Acq: 26 Sep 2015 16:55

Tgt Ion:202 Resp: 871010
Ion Ratio Lower Upper
202 100
200 21.5 15.0 22.4
203 19.5 14.1 21.1





#78

Terphenyl-d14

Concen: 52.41 ng m

RT: 13.06 min Scan# 956

Delta R.T. 0.00 min

Lab File: BF081831.D

Acq: 26 Sep 2015 16:55

Instrument :

BNA_F

ClientSampleId :

MGP221BR-26-28

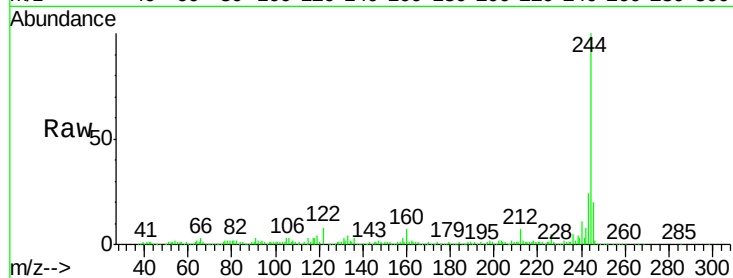
Tgt Ion:244 Resp: 687113

Ion Ratio Lower Upper

244 100

212 7.3 4.3 6.5#

122 8.4 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

1000000

800000

600000

400000

200000

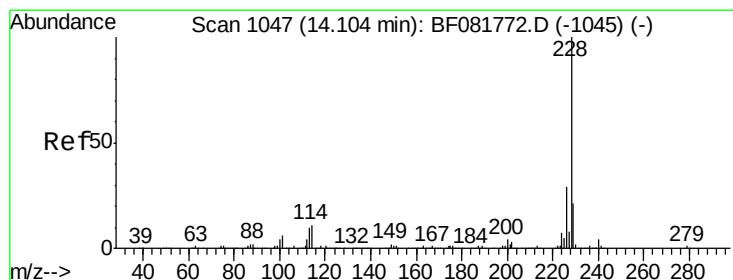
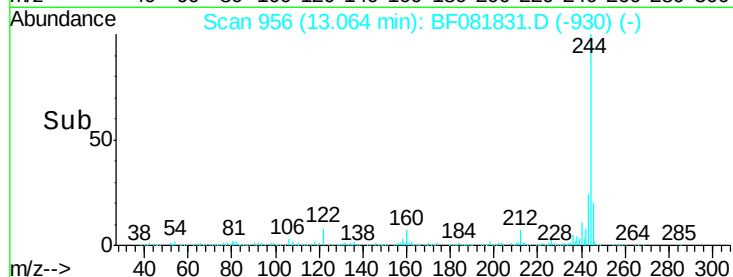
0

13.06

13.05

13.10

Time-->



#80

Benzo(a)anthracene

Concen: 30.53 ng m

RT: 14.10 min Scan# 1047

Delta R.T. 0.00 min

Lab File: BF081831.D

Acq: 26 Sep 2015 16:55

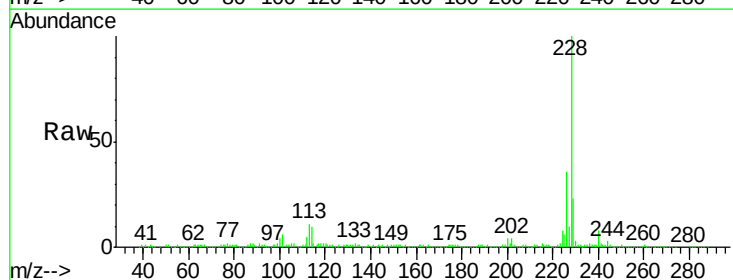
Tgt Ion:228 Resp: 554448

Ion Ratio Lower Upper

228 100

226 35.7 20.0 30.0#

229 23.2 15.4 23.2#



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

600000

500000

400000

300000

200000

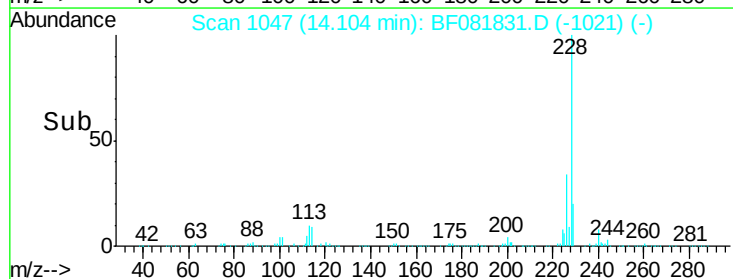
100000

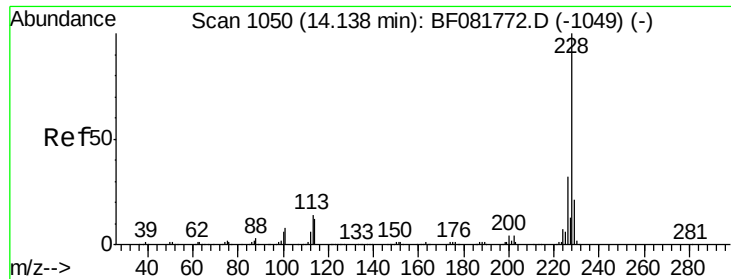
0

14.10

14.10

Time-->





#82

Chrysene

Concen: 23.26 ng m

RT: 14.14 min Scan# 1050

Delta R.T. 0.00 min

Lab File: BF081831.D

Acq: 26 Sep 2015 16:55

Instrument :

BNA_F

ClientSampleId :

MGP221BR-26-28

Tgt Ion: 228 Resp: 405033

Ion Ratio Lower Upper

228 100

226 32.2 21.0 31.4#

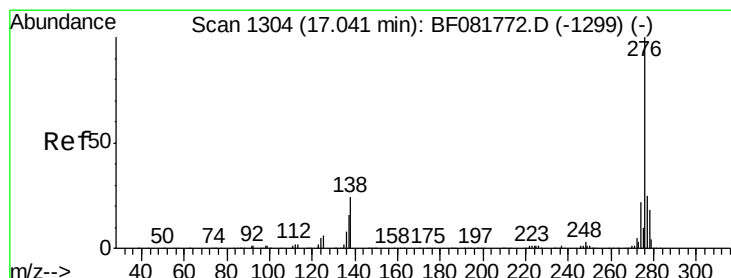
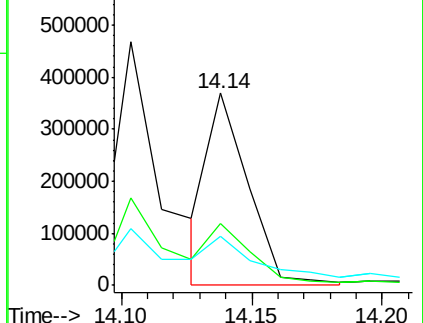
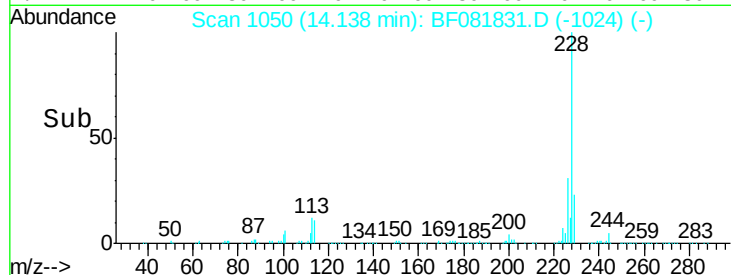
229 25.5 15.6 23.4#



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



#85

Indeno(1,2,3-cd)pyrene

Concen: 5.49 ng m

RT: 17.04 min Scan# 1304

Delta R.T. 0.00 min

Lab File: BF081831.D

Acq: 26 Sep 2015 16:55

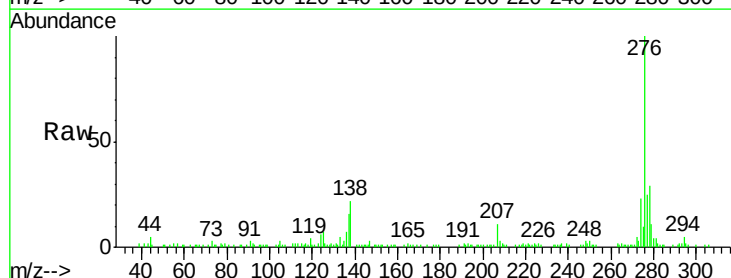
Tgt Ion: 276 Resp: 87520

Ion Ratio Lower Upper

276 100

138 12.4 25.7 38.5#

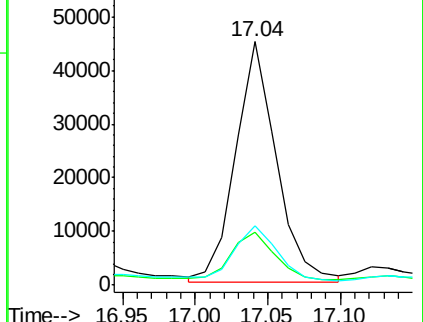
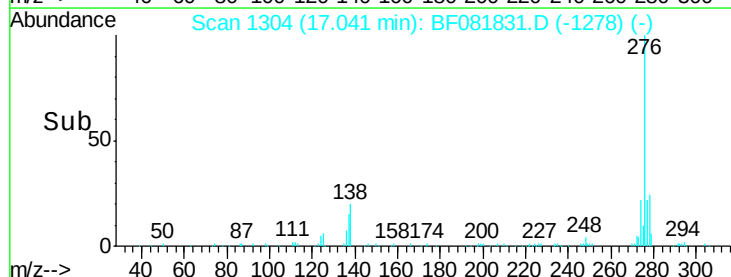
277 13.8 15.6 23.4#

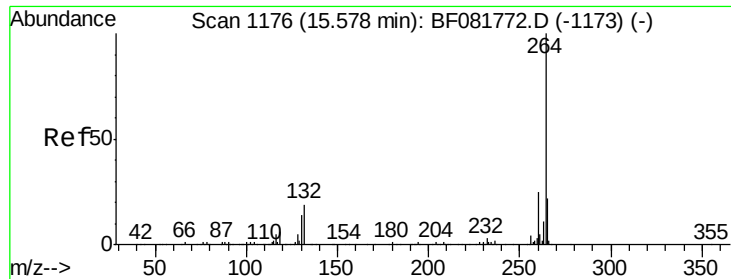


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



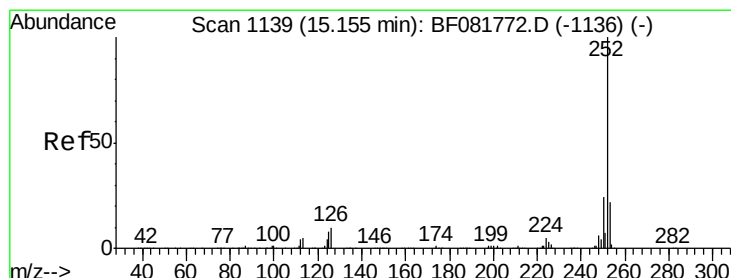
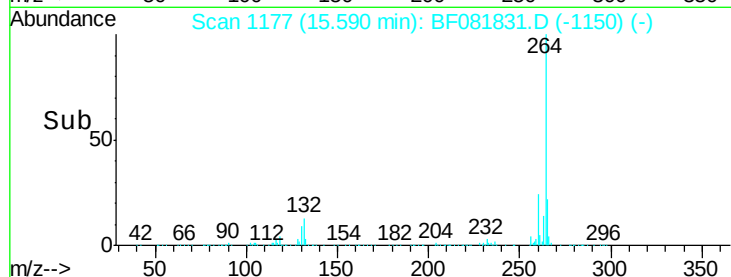
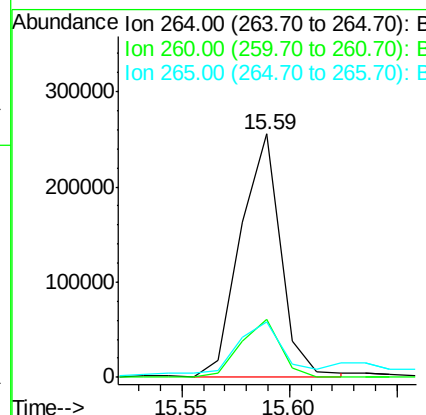
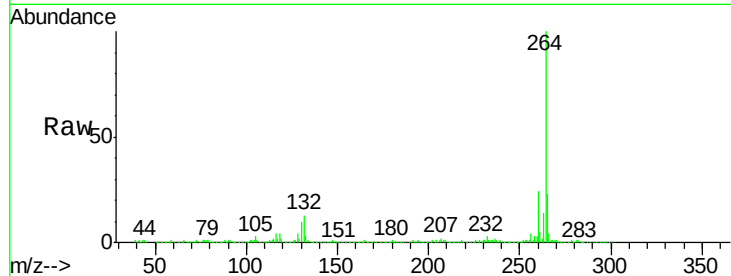


#86
Perylene-d12
Concen: 20.00 ng m
RT: 15.59 min Scan# 1177
Delta R.T. 0.01 min
Lab File: BF081831.D
Acq: 26 Sep 2015 16:55

Instrument :
BNA_F
ClientSampleId :
MGP221BR-26-28

Tgt Ion: 264 Resp: 329981

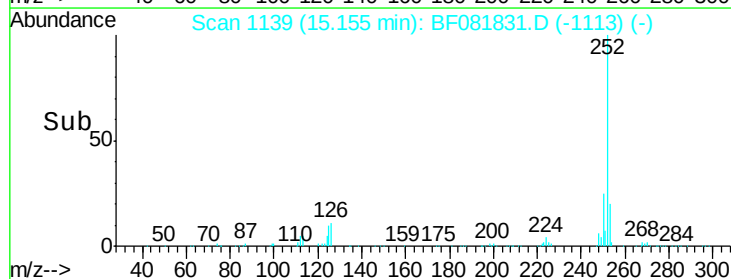
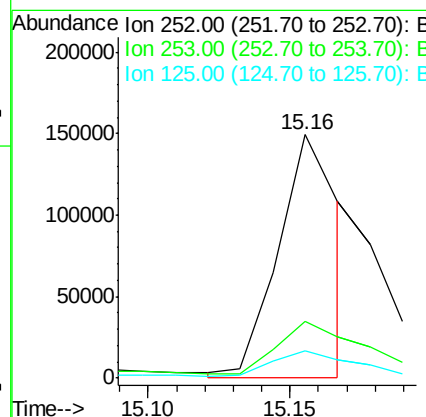
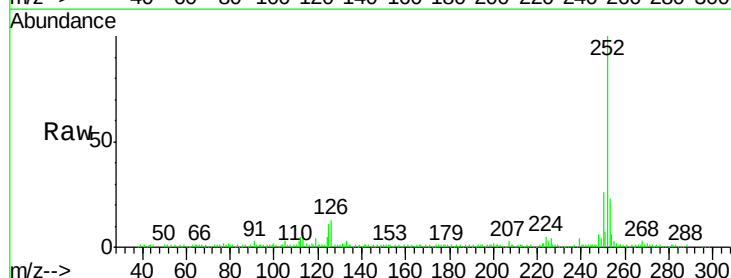
Ion	Ratio	Lower	Upper
264	100		
260	24.1	16.7	25.1
265	22.8	17.2	25.8

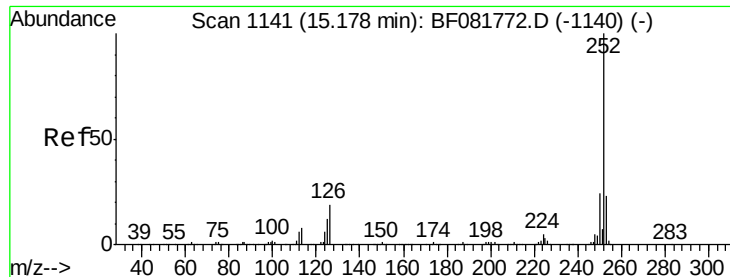


#87
Benzo(b)fluoranthene
Concen: 11.50 ng m
RT: 15.16 min Scan# 1139
Delta R.T. 0.00 min
Lab File: BF081831.D
Acq: 26 Sep 2015 16:55

Tgt Ion: 252 Resp: 224951

Ion	Ratio	Lower	Upper
252	100		
253	23.1	17.5	26.3
125	11.2	17.1	25.7#





#88

Benzo(k)fluoranthene

Concen: 4.82 ng m

RT: 15.17 min Scan# 1140

Delta R.T. -0.01 min

Lab File: BF081831.D

Acq: 26 Sep 2015 16:55

Instrument :

BNA_F

ClientSampleId :

MGP221BR-26-28

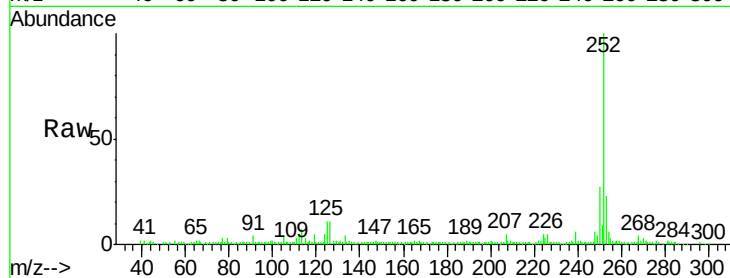
Tgt Ion:252 Resp: 90814

Ion Ratio Lower Upper

252 100

253 23.2 17.0 25.4

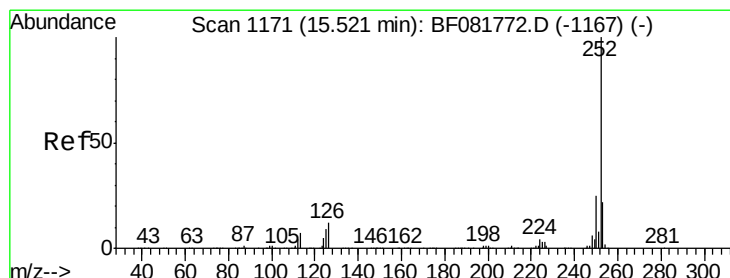
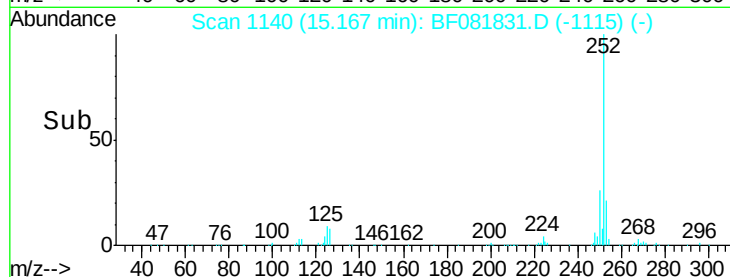
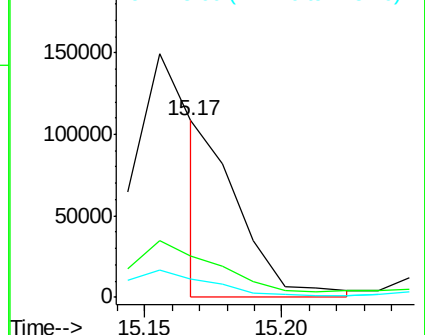
125 10.6 16.0 24.0#



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



#89

Benzo(a)pyrene

Concen: 17.52 ng m

RT: 15.52 min Scan# 1171

Delta R.T. 0.00 min

Lab File: BF081831.D

Acq: 26 Sep 2015 16:55

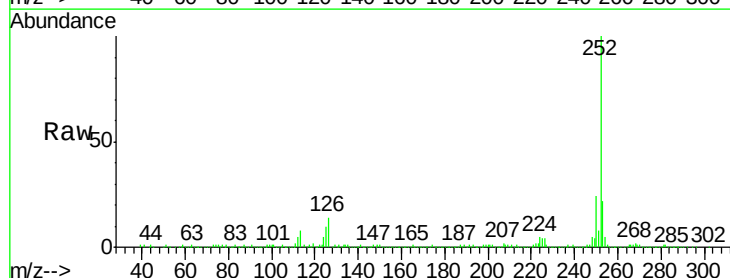
Tgt Ion:252 Resp: 309620

Ion Ratio Lower Upper

252 100

253 22.5 17.2 25.8

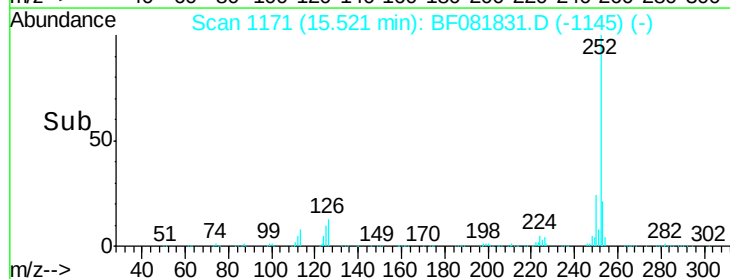
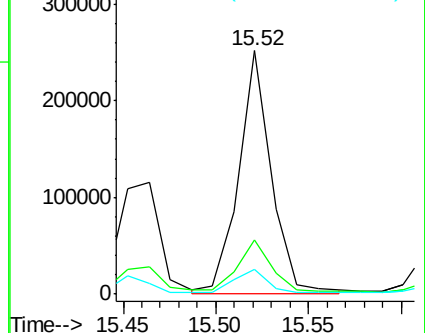
125 10.1 18.0 27.0#

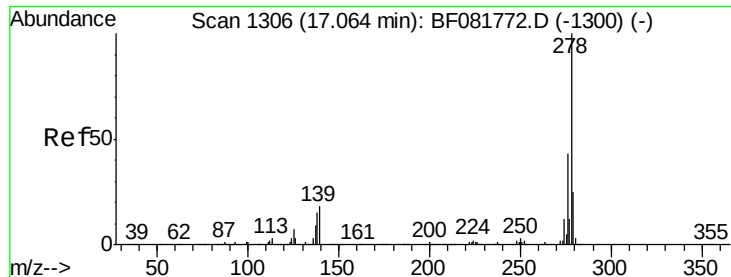


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#90

Dibenzo(a,h)anthracene

Concen: 2.15 ng m

RT: 17.05 min Scan# 1305

Delta R.T. -0.01 min

Lab File: BF081831.D

Acq: 26 Sep 2015 16:55

Instrument :

BNA_F

ClientSampleId :

MGP221BR-26-28

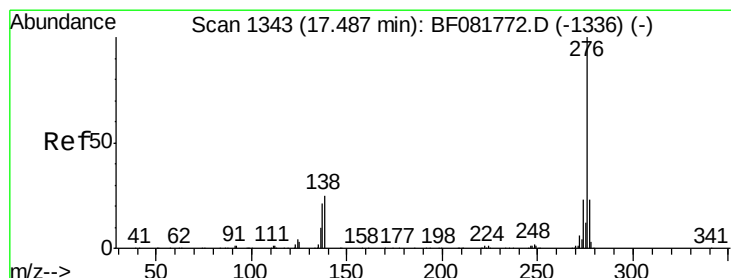
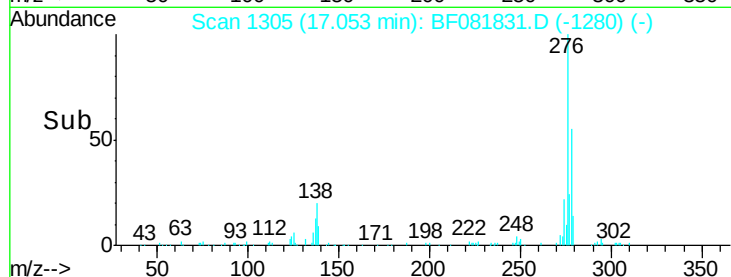
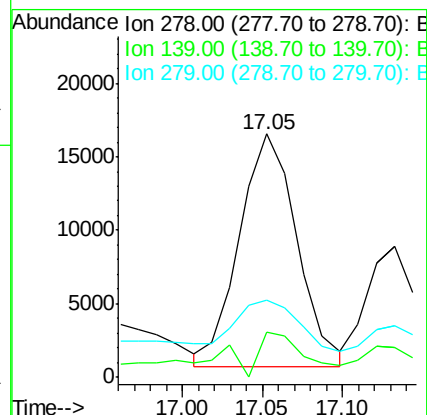
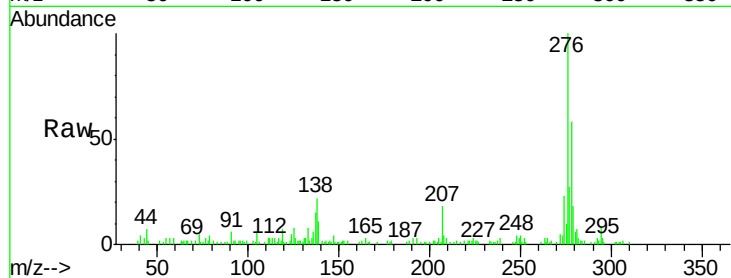
Tgt Ion:278 Resp: 39636

Ion Ratio Lower Upper

278 100

139 18.4 26.3 39.5#

279 31.5 18.2 27.4#



#91

Benzo(g,h,i)perylene

Concen: 4.94 ng m

RT: 17.49 min Scan# 1343

Delta R.T. 0.00 min

Lab File: BF081831.D

Acq: 26 Sep 2015 16:55

Tgt Ion:276 Resp: 93738

Ion Ratio Lower Upper

276 100

277 24.8 17.8 26.6

138 19.3 34.6 51.8#

