

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF091415\
 Data File : BF081611.D
 Acq On : 14 Sep 2015 17:00
 Operator : UM/IZ
 Sample : G3597-05 5X
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 GP-5(0-5)

Quant Time: Sep 15 02:08:19 2015
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF090115.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Sep 14 13:51:56 2015
 Response via : Initial Calibration

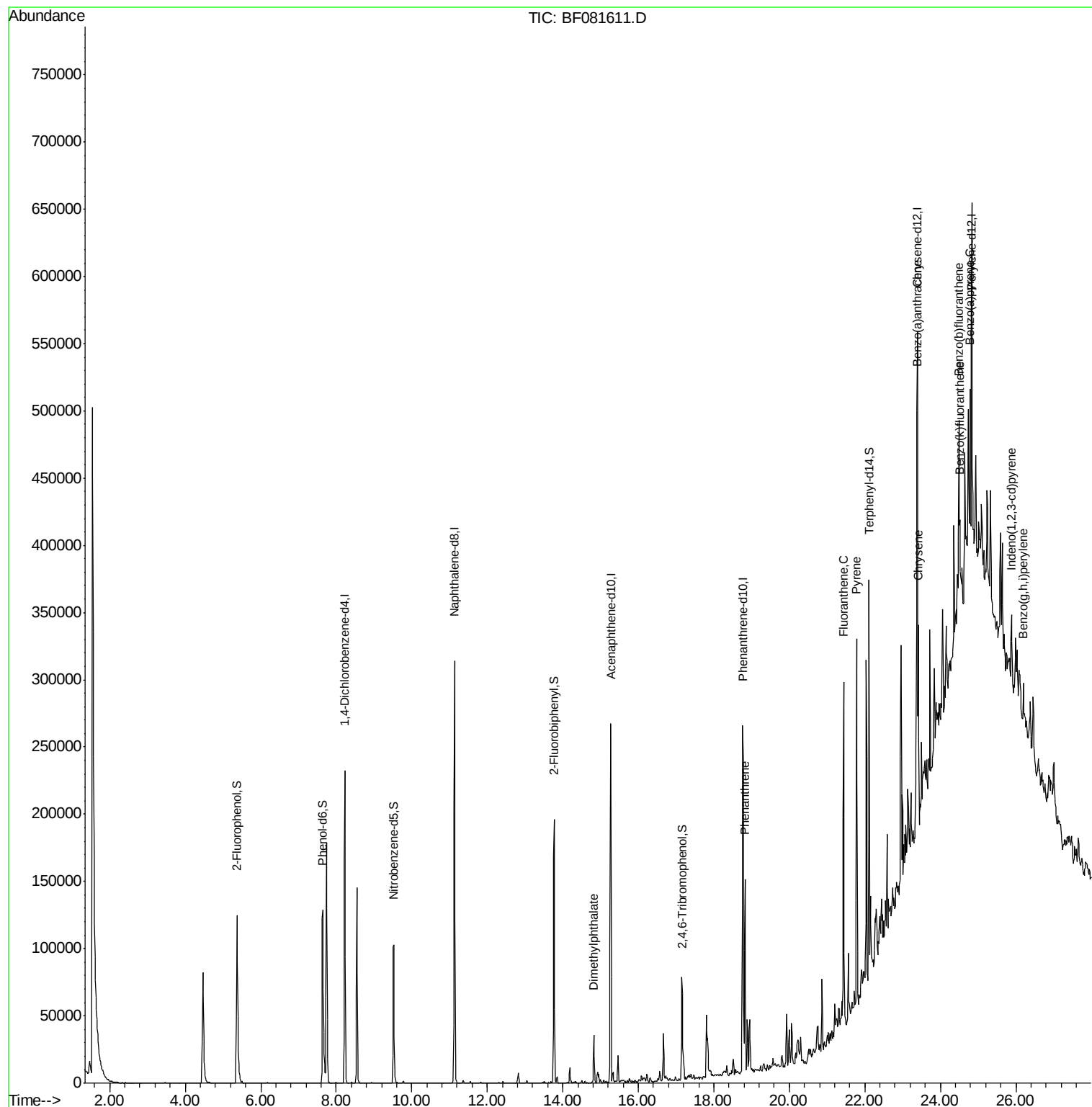
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.23	152	57281	20.00	ng	0.00
21) Naphthalene-d8	11.13	136	229384	20.00	ng	0.00
38) Acenaphthene-d10	15.27	164	105123	20.00	ng	0.00
63) Phenanthrene-d10	18.77	188	190777	20.00	ng	0.00
75) Chrysene-d12	23.40	240	121401	20.00	ng	0.00
86) Perylene-d12	24.84	264	99446	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.37	112	65553	17.76	ng	0.00
7) Phenol-d6	7.65	99	100770	20.62	ng	-0.01
23) Nitrobenzene-d5	9.52	82	65350	13.75	ng	-0.02
41) 2,4,6-Tribromophenol	17.17	330	13265	14.17	ng	-0.01
44) 2-Fluorobiphenyl	13.77	172	112647	13.73	ng	-0.01
78) Terphenyl-d14	22.12	244	76059	14.58	ng	0.00
Target Compounds						Qvalue
49) Dimethylphthalate	14.82	163	22612	2.77	ng	# 97
70) Phenanthrene	18.82	178	90604	8.54	ng	97
74) Fluoranthene	21.44	202	145494	12.67	ng	88
77) Pyrene	21.78	202	138171	15.36	ng	98
80) Benzo(a)anthracene	23.38	228	69402	8.98	ng	94
82) Chrysene	23.42	228	50800	7.33	ng	93
85) Indeno(1,2,3-cd)pyrene	25.89	276	23096	4.54	ng	# 81
87) Benzo(b)fluoranthene	24.49	252	64809m	9.13	ng	
88) Benzo(k)fluoranthene	24.52	252	19951m	3.39	ng	
89) Benzo(a)pyrene	24.78	252	44686m	7.43	ng	
91) Benzo(g,h,i)perylene	26.20	276	19709	4.44	ng	# 76

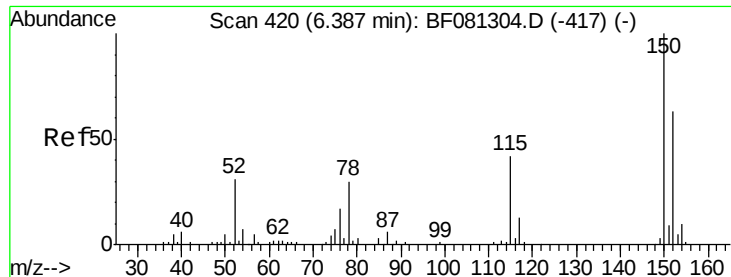
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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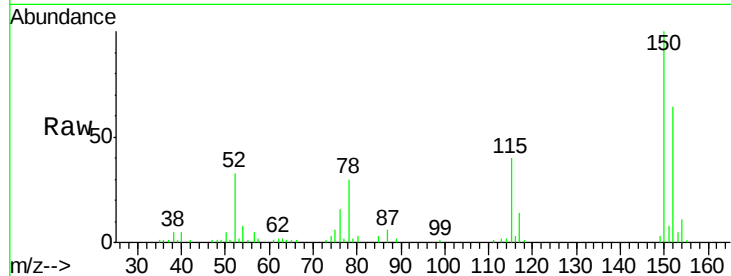


#1

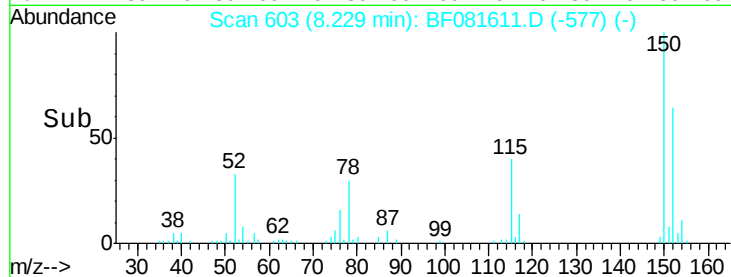
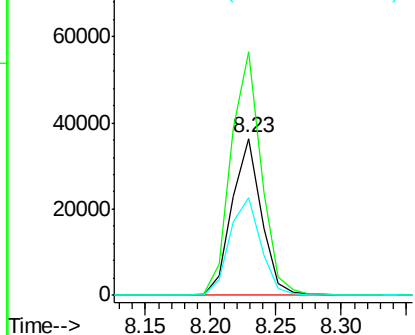
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 8.23 min Scan# 603
Delta R.T. -0.00 min
Lab File: BF081611.D
Acq: 14 Sep 2015 17:00

Instrument :
BNA_F
ClientSampleId :
GP-5(0-5)

Tgt Ion:152 Resp: 57281
Ion Ratio Lower Upper
152 100
150 155.0 124.7 187.1
115 61.8 39.0 58.4#



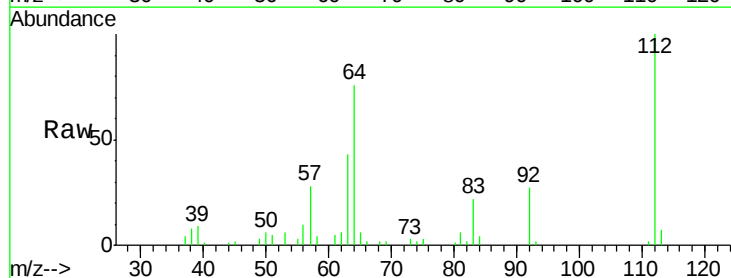
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



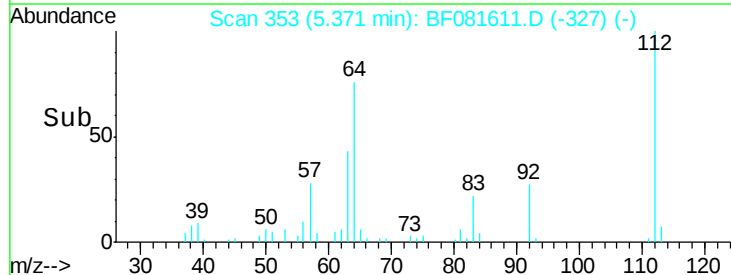
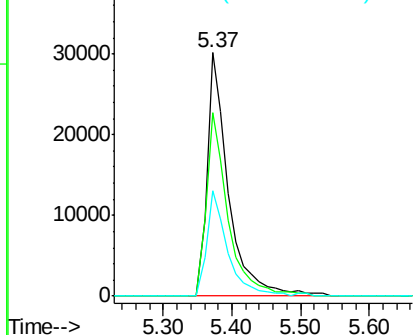
#5

2-Fluorophenol
Concen: 17.76 ng
RT: 5.37 min Scan# 353
Delta R.T. -0.00 min
Lab File: BF081611.D
Acq: 14 Sep 2015 17:00

Tgt Ion:112 Resp: 65553
Ion Ratio Lower Upper
112 100
64 75.6 39.7 59.5#
63 43.0 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: 20.62 ng

RT: 7.65 min Scan# 552

Delta R.T. -0.01 min

Lab File: BF081611.D

Acq: 14 Sep 2015 17:00

Instrument :

BNA_F

ClientSampleId :

GP-5(0-5)

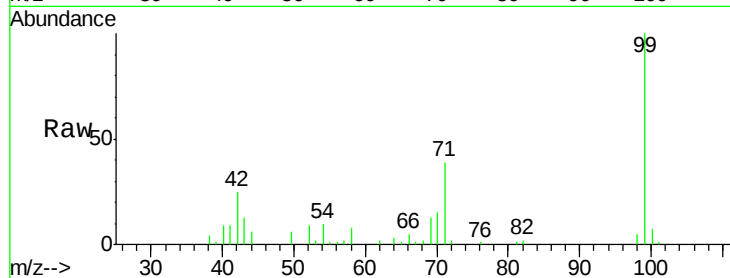
Tgt Ion: 99 Resp: 100770

Ion Ratio Lower Upper

99 100

42 24.8 13.7 20.5#

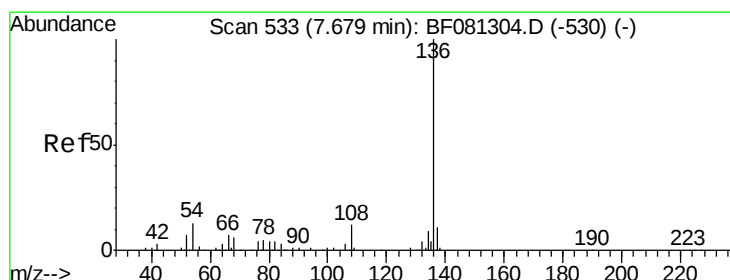
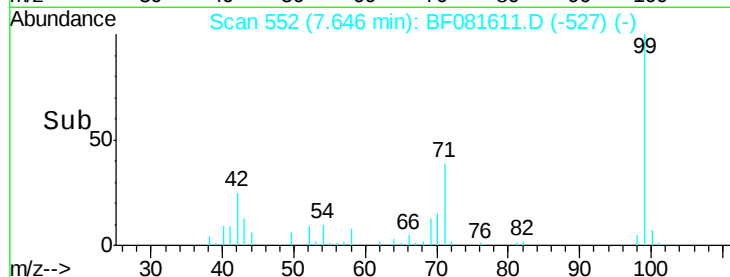
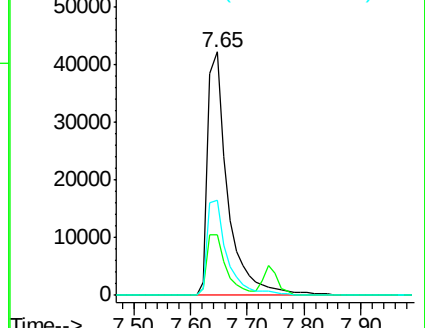
71 38.9 14.2 21.2#



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: 11.13 min Scan# 857

Delta R.T. -0.00 min

Lab File: BF081611.D

Acq: 14 Sep 2015 17:00

Tgt Ion: 136 Resp: 229384

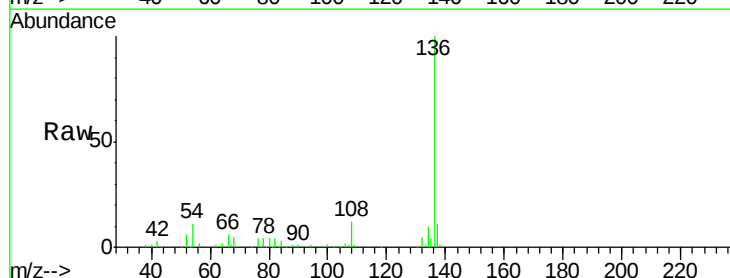
Ion Ratio Lower Upper

136 100

137 10.6 9.0 13.6

54 11.3 8.2 12.2

68 4.8 5.8 8.6#

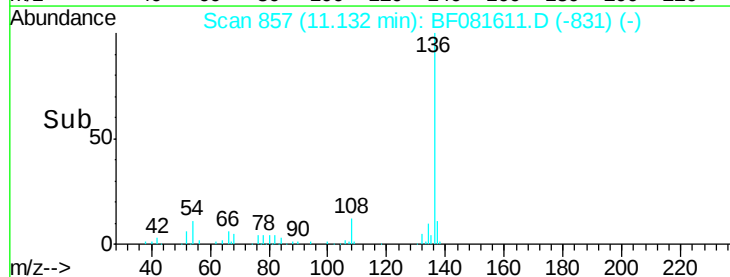
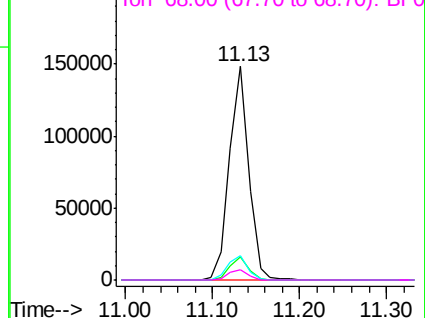


Abundance Ion 136.00 (135.70 to 136.70): E

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

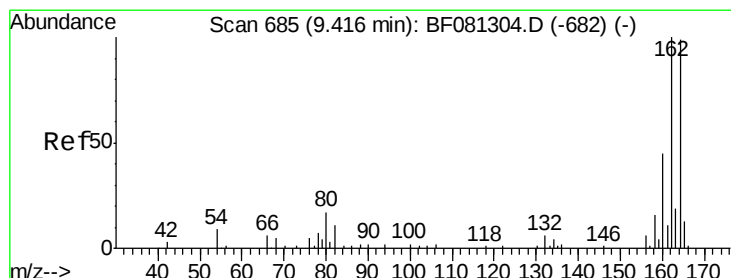
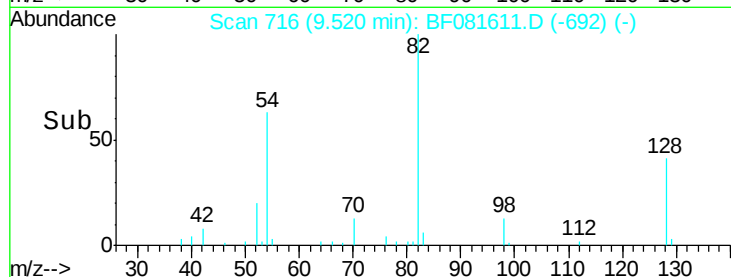
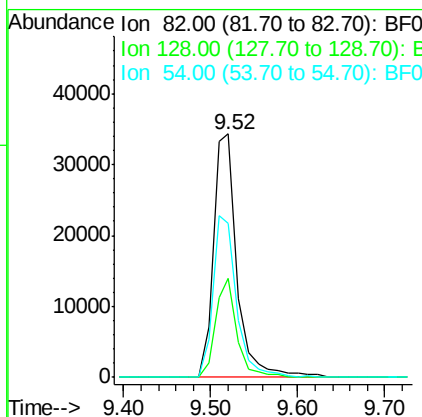
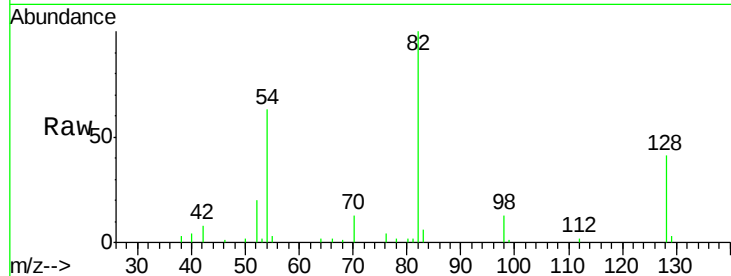




#23
 Nitrobenzene-d5
 Concen: 13.75 ng
 RT: 9.52 min Scan# 716
 Delta R.T. -0.02 min
 Lab File: BF081611.D
 Acq: 14 Sep 2015 17:00

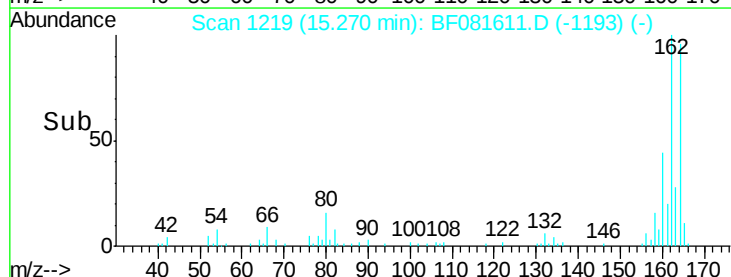
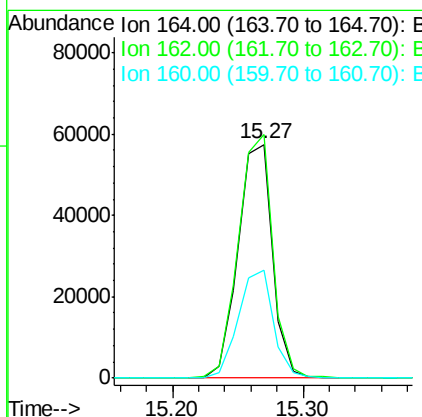
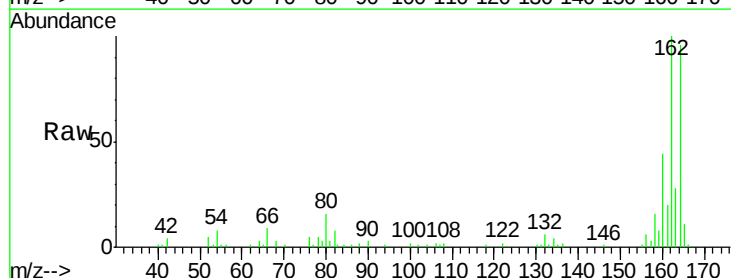
Instrument :
 BNA_F
 ClientSampleId :
 GP-5(0-5)

Tgt Ion: 82 Resp: 65350
 Ion Ratio Lower Upper
 82 100
 128 40.5 51.0 76.6#
 54 63.5 47.5 71.3



#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 15.27 min Scan# 1219
 Delta R.T. -0.00 min
 Lab File: BF081611.D
 Acq: 14 Sep 2015 17:00

Tgt Ion: 164 Resp: 105123
 Ion Ratio Lower Upper
 164 100
 162 104.1 75.2 112.8
 160 46.0 31.5 47.3

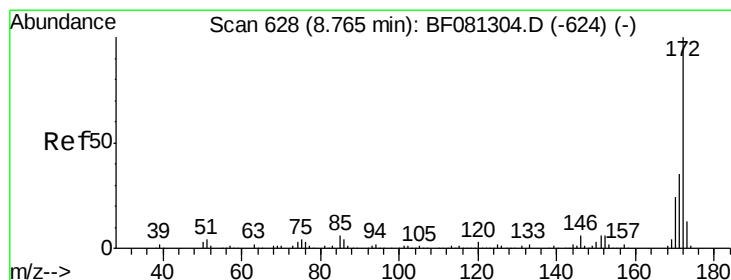
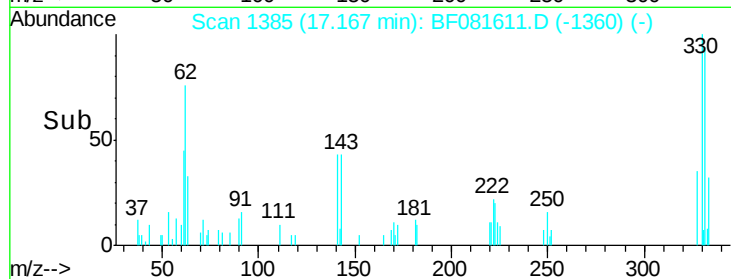
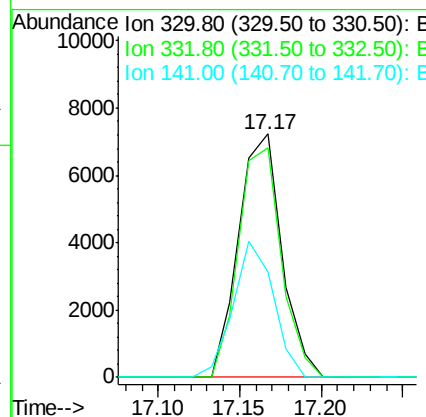
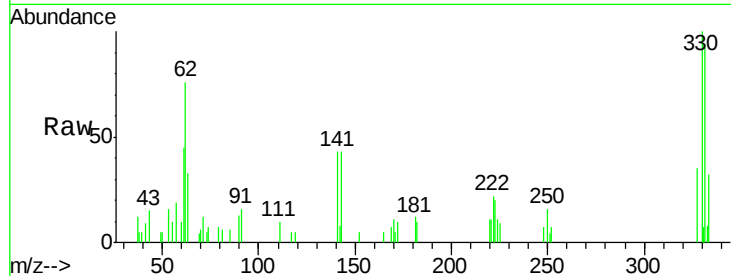




#41
 2,4,6-Tribromophenol
 Concen: 14.17 ng
 RT: 17.17 min Scan# 1385
 Delta R.T. -0.01 min
 Lab File: BF081611.D
 Acq: 14 Sep 2015 17:00

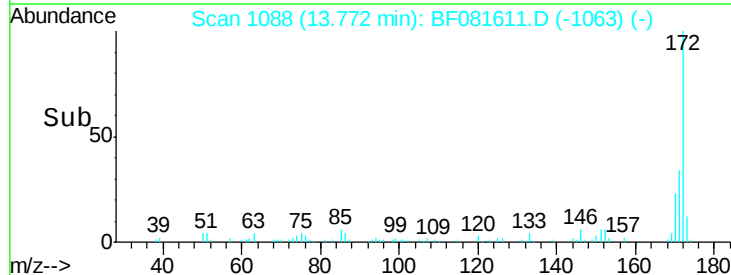
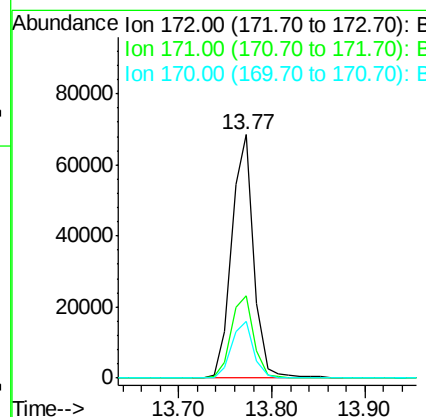
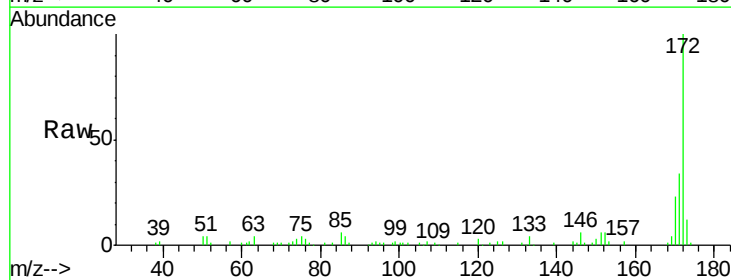
Instrument :
 BNA_F
 ClientSampleId :
 GP-5(0-5)

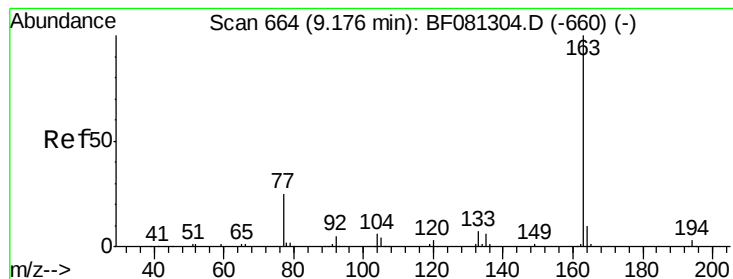
Tgt Ion:330 Resp: 13265
 Ion Ratio Lower Upper
 330 100
 332 93.3 76.6 114.8
 141 52.0 29.7 44.5#



#44
 2-Fluorobiphenyl
 Concen: 13.73 ng
 RT: 13.77 min Scan# 1088
 Delta R.T. -0.01 min
 Lab File: BF081611.D
 Acq: 14 Sep 2015 17:00

Tgt Ion:172 Resp: 112647
 Ion Ratio Lower Upper
 172 100
 171 33.8 26.1 39.1
 170 23.5 17.4 26.2





#49

Dimethylphthalate

Concen: 2.77 ng

RT: 14.82 min Scan# 1180

Delta R.T. -0.05 min

Lab File: BF081611.D

Acq: 14 Sep 2015 17:00

Instrument :

BNA_F

ClientSampleId :

GP-5(0-5)

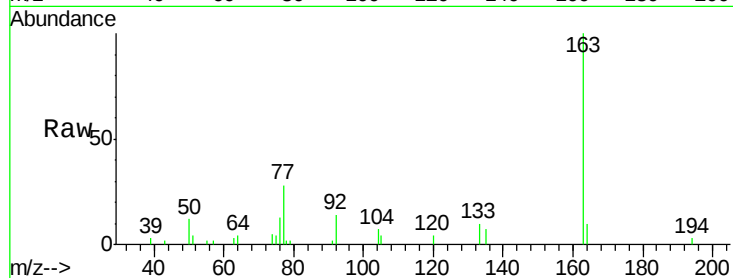
Tgt Ion:163 Resp: 22612

Ion Ratio Lower Upper

163 100

194 2.9 4.4 6.6#

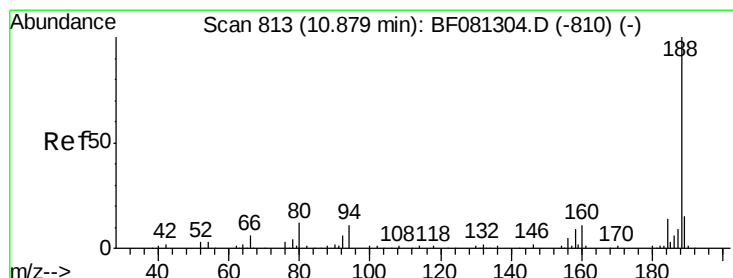
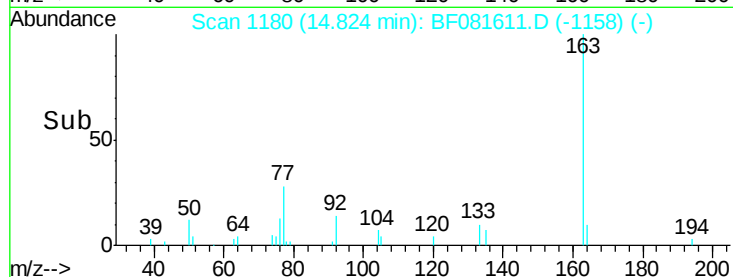
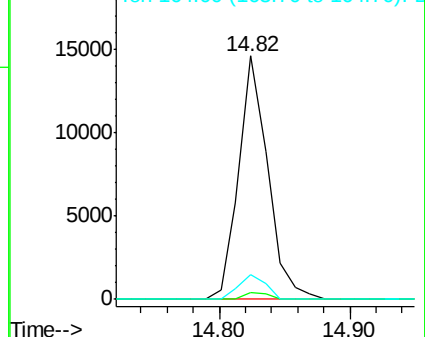
164 10.0 8.3 12.5



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: 18.77 min Scan# 1525

Delta R.T. -0.00 min

Lab File: BF081611.D

Acq: 14 Sep 2015 17:00

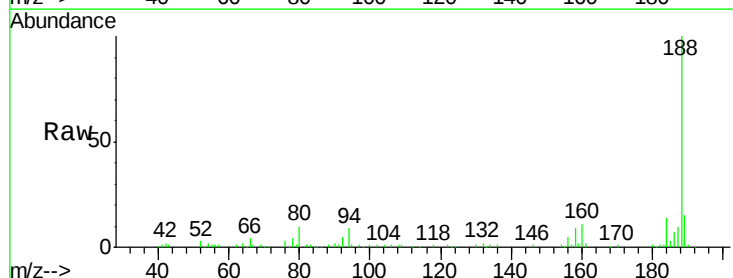
Tgt Ion:188 Resp: 190777

Ion Ratio Lower Upper

188 100

94 8.7 11.1 16.7#

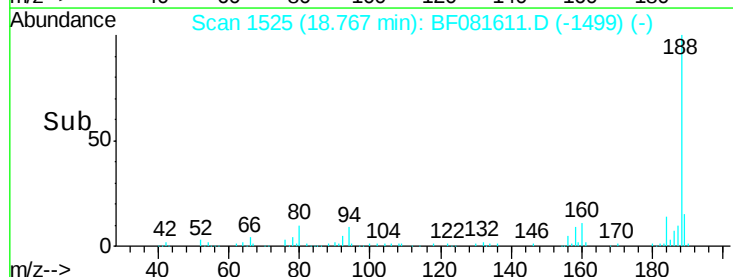
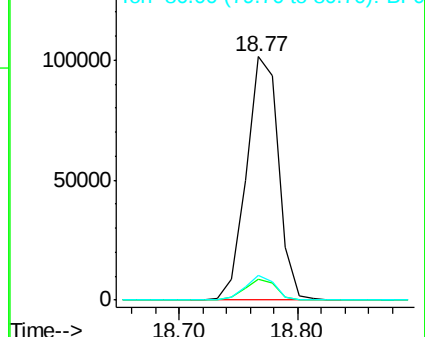
80 10.1 11.0 16.4#

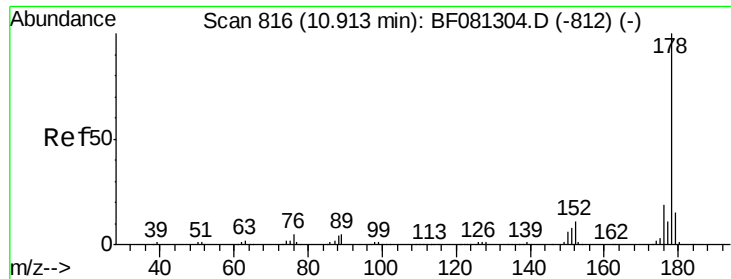


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0

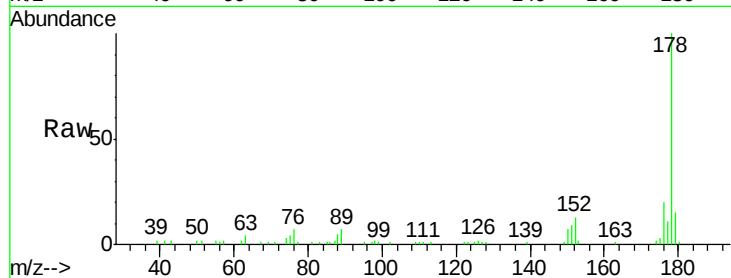




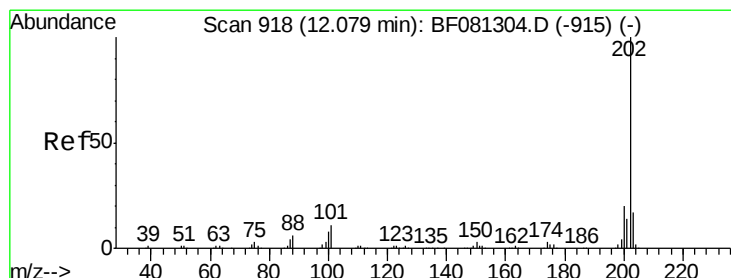
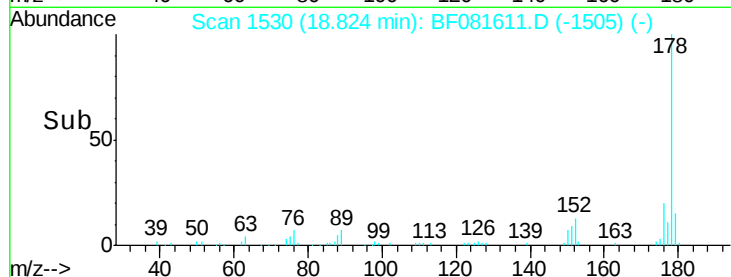
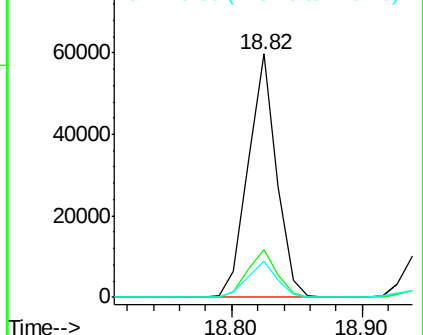
#70
Phenanthrene
Concen: 8.54 ng
RT: 18.82 min Scan# 1530
Delta R.T. -0.01 min
Lab File: BF081611.D
Acq: 14 Sep 2015 17:00

Instrument :
BNA_F
ClientSampleId :
GP-5(0-5)

Tgt Ion:178 Resp: 90604
Ion Ratio Lower Upper
178 100
176 19.7 13.8 20.8
179 14.7 12.2 18.2

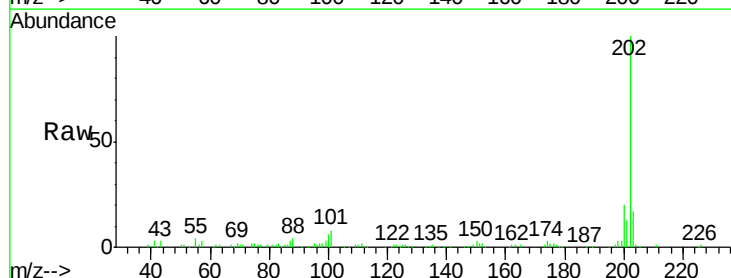


Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

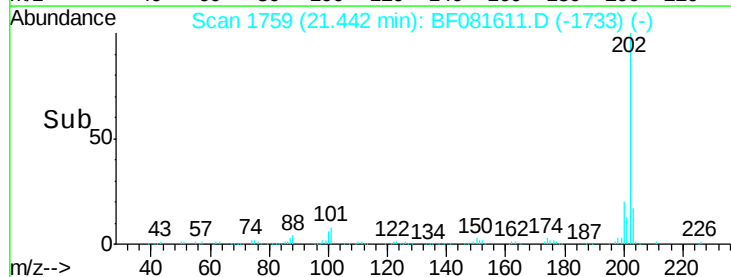
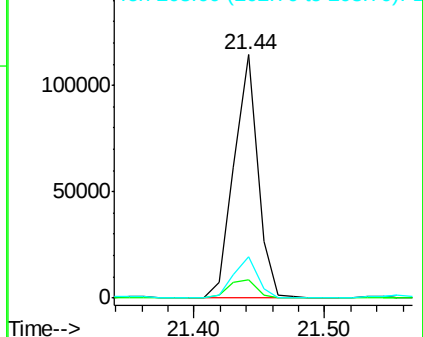


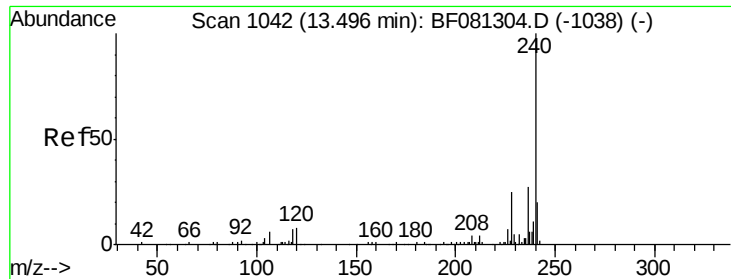
#74
Fluoranthene
Concen: 12.67 ng
RT: 21.44 min Scan# 1759
Delta R.T. -0.00 min
Lab File: BF081611.D
Acq: 14 Sep 2015 17:00

Tgt Ion:202 Resp: 145494
Ion Ratio Lower Upper
202 100
101 7.6 0.0 38.3
203 17.1 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: 23.40 min Scan# 1930

Delta R.T. -0.00 min

Lab File: BF081611.D

Acq: 14 Sep 2015 17:00

Instrument :

BNA_F

ClientSampleId :

GP-5(0-5)

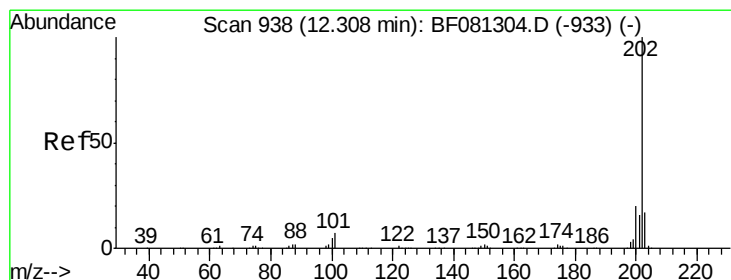
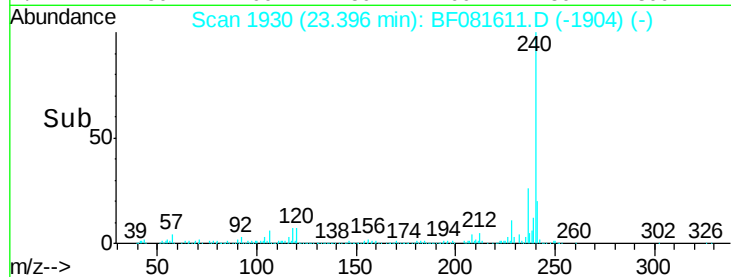
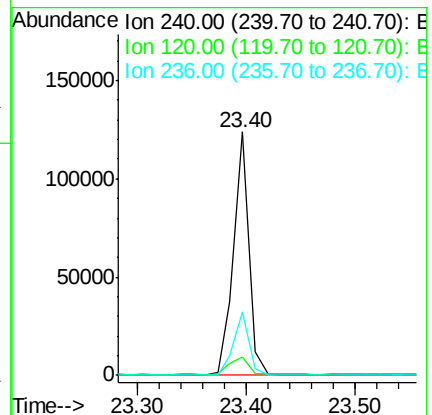
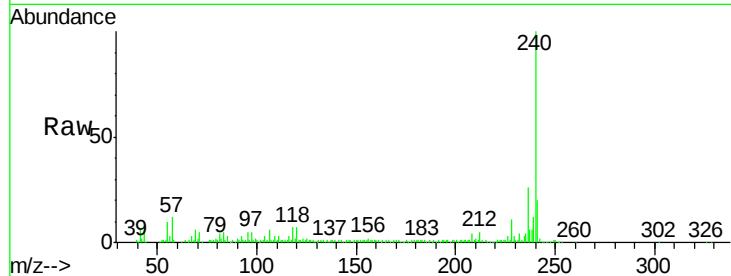
Tgt Ion:240 Resp: 121401

Ion Ratio Lower Upper

240 100

120 7.5 16.2 24.2#

236 26.0 18.4 27.6



#77

Pyrene

Concen: 15.36 ng

RT: 21.78 min Scan# 1789

Delta R.T. -0.00 min

Lab File: BF081611.D

Acq: 14 Sep 2015 17:00

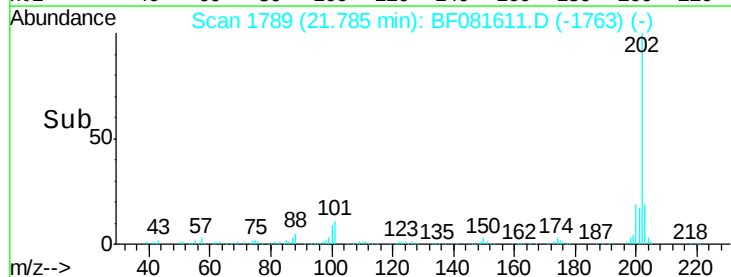
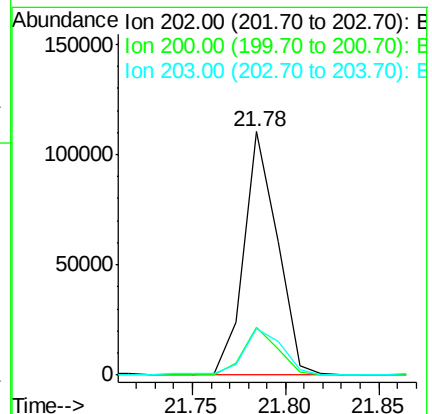
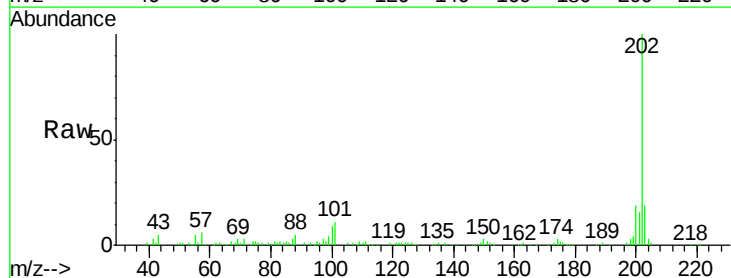
Tgt Ion:202 Resp: 138171

Ion Ratio Lower Upper

202 100

200 19.4 15.0 22.4

203 19.0 14.1 21.1

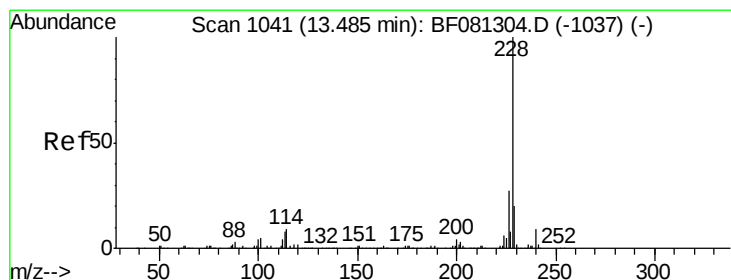
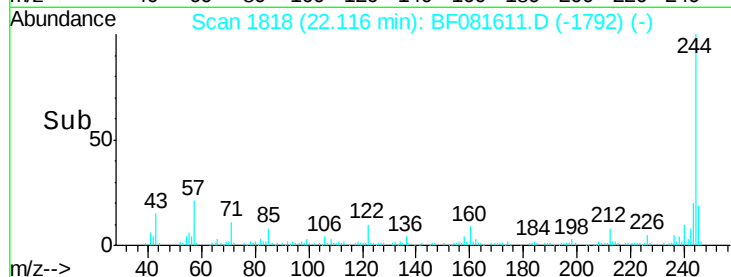
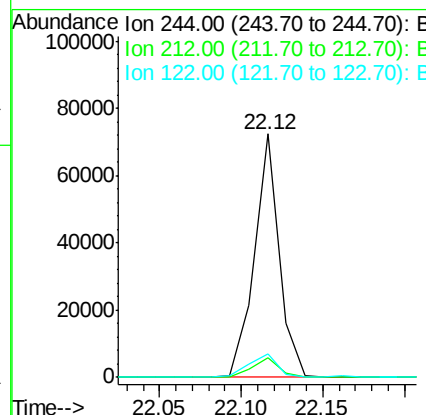
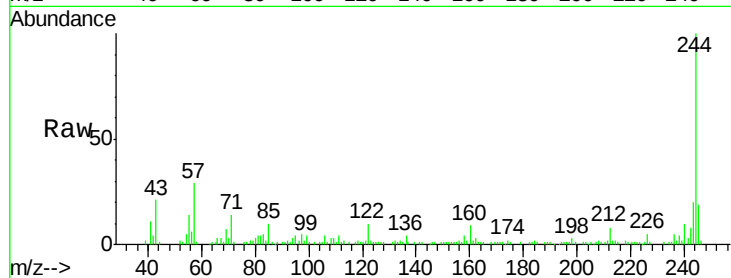




#78
 Terphenyl-d14
 Concen: 14.58 ng
 RT: 22.12 min Scan# 1818
 Delta R.T. -0.00 min
 Lab File: BF081611.D
 Acq: 14 Sep 2015 17:00

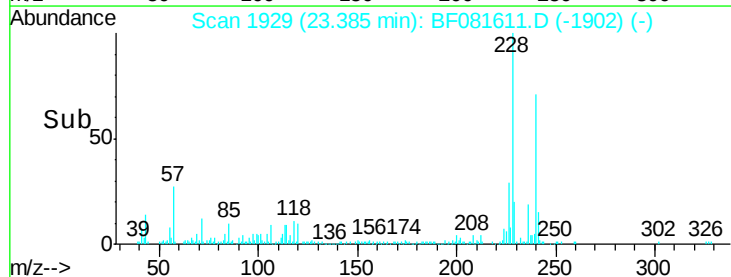
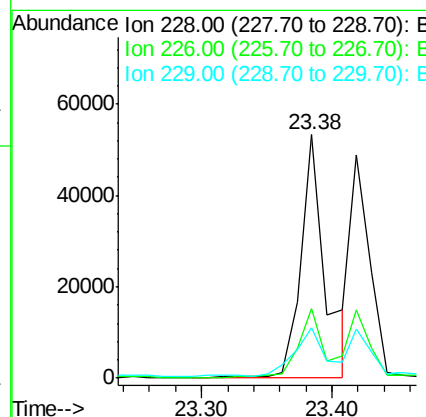
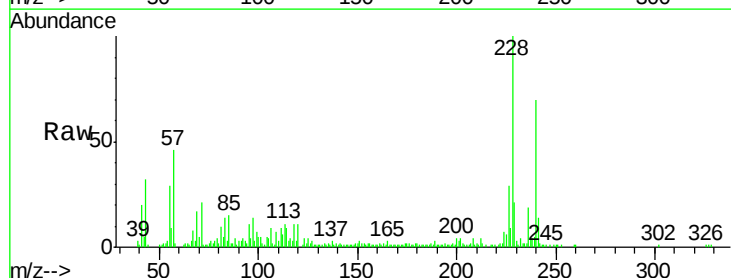
Instrument :
 BNA_F
 ClientSampleId :
 GP-5(0-5)

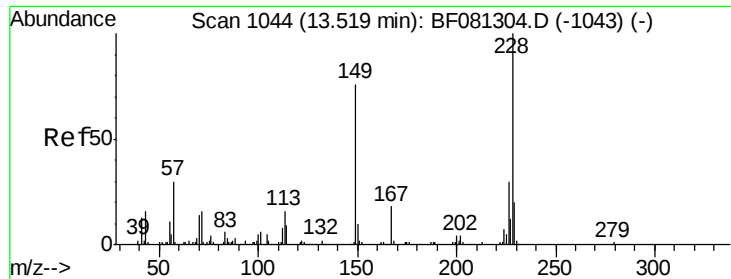
Tgt Ion:244 Resp: 76059
 Ion Ratio Lower Upper
 244 100
 212 7.8 4.3 6.5#
 122 9.6 17.4 26.2#



#80
 Benzo(a)anthracene
 Concen: 8.98 ng
 RT: 23.38 min Scan# 1929
 Delta R.T. 0.01 min
 Lab File: BF081611.D
 Acq: 14 Sep 2015 17:00

Tgt Ion:228 Resp: 69402
 Ion Ratio Lower Upper
 228 100
 226 28.8 20.0 30.0
 229 20.8 15.4 23.2





#82

Chrysene

Concen: 7.33 ng

RT: 23.42 min Scan# 1932

Delta R.T. -0.00 min

Lab File: BF081611.D

Acq: 14 Sep 2015 17:00

Instrument :

BNA_F

ClientSampleId :

GP-5(0-5)

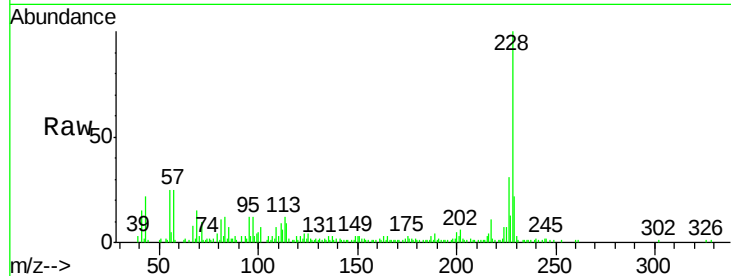
Tgt Ion: 228 Resp: 50800

Ion Ratio Lower Upper

228 100

226 30.7 21.0 31.4

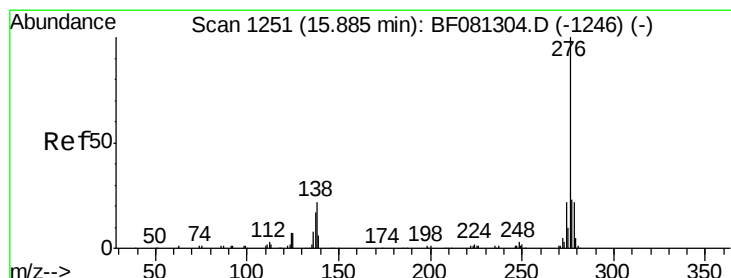
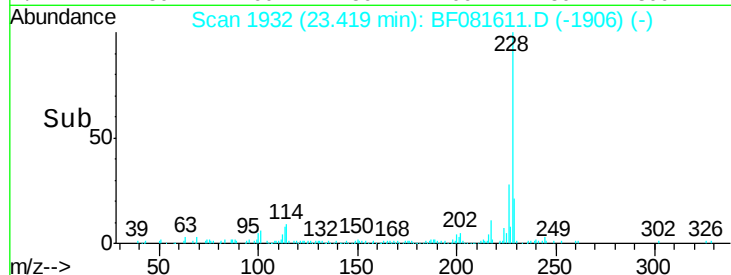
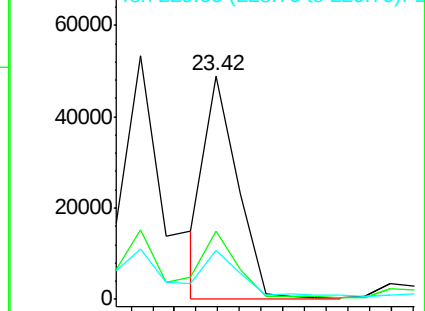
229 21.8 15.6 23.4



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: 4.54 ng

RT: 25.89 min Scan# 2148

Delta R.T. 0.01 min

Lab File: BF081611.D

Acq: 14 Sep 2015 17:00

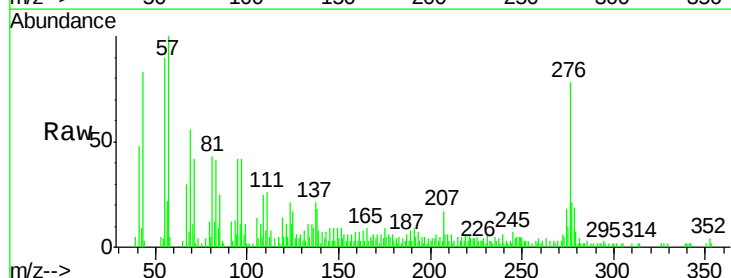
Tgt Ion: 276 Resp: 23096

Ion Ratio Lower Upper

276 100

138 19.6 25.7 38.5#

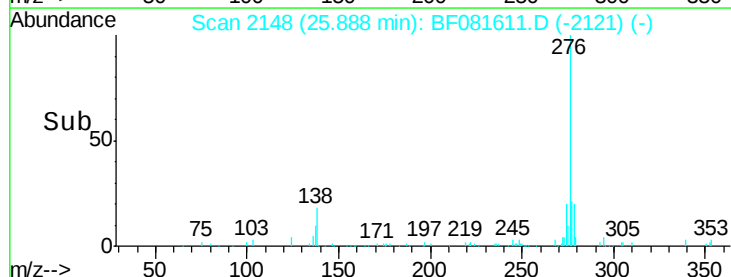
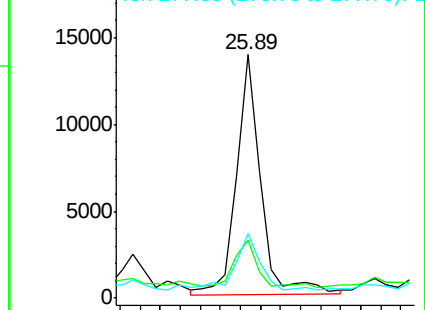
277 25.7 15.6 23.4#

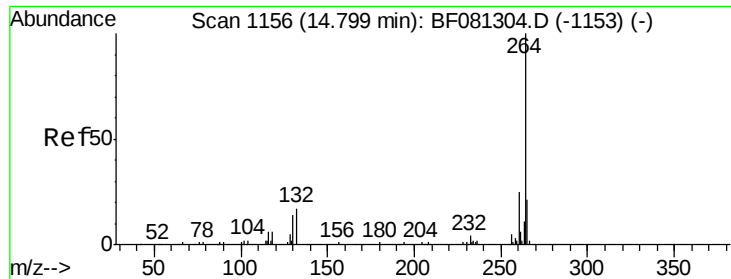


Abundance Ion 276.00 (275.70 to 276.70): E

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

RT: 24.84 min Scan# 2056

Delta R.T. 0.01 min

Lab File: BF081611.D

Acq: 14 Sep 2015 17:00

Instrument :

BNA_F

ClientSampleId :

GP-5(0-5)

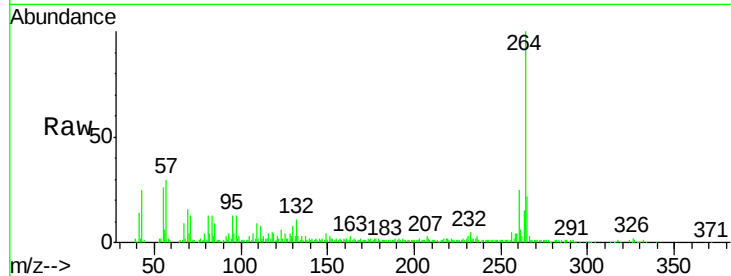
Tgt Ion:264 Resp: 99446

Ion Ratio Lower Upper

264 100

260 24.6 16.7 25.1

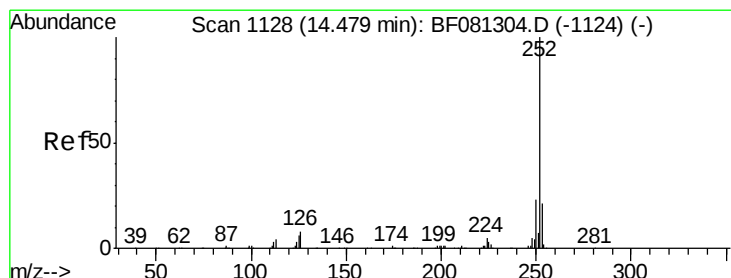
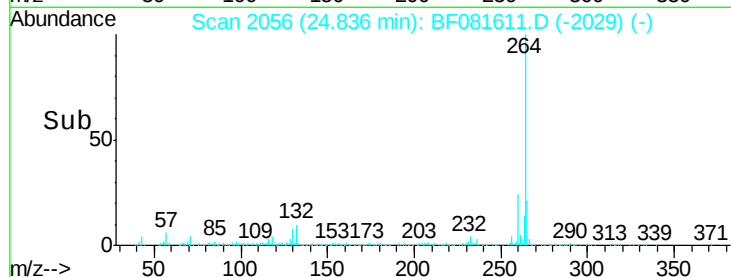
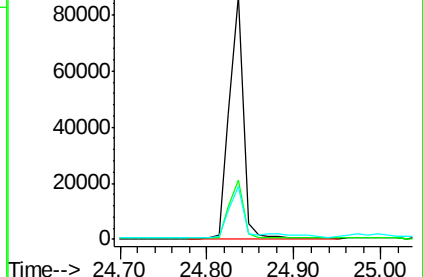
265 21.8 17.2 25.8



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: 9.13 ng m

RT: 24.49 min Scan# 2026

Delta R.T. 0.01 min

Lab File: BF081611.D

Acq: 14 Sep 2015 17:00

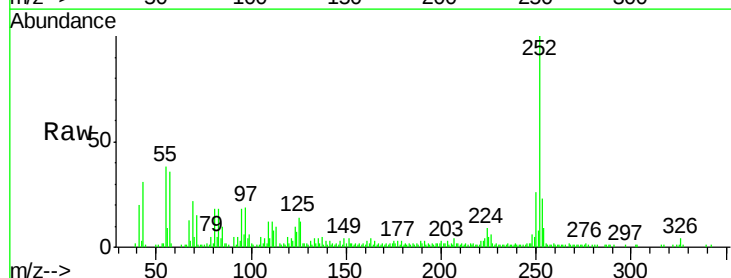
Tgt Ion:252 Resp: 64809

Ion Ratio Lower Upper

252 100

253 23.4 17.5 26.3

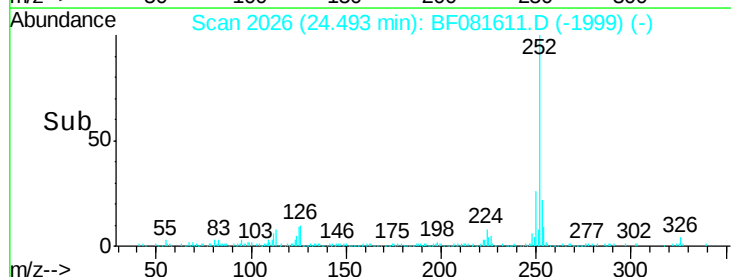
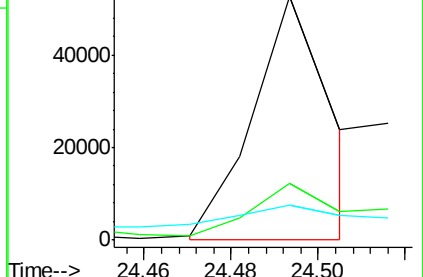
125 14.2 17.1 25.7#

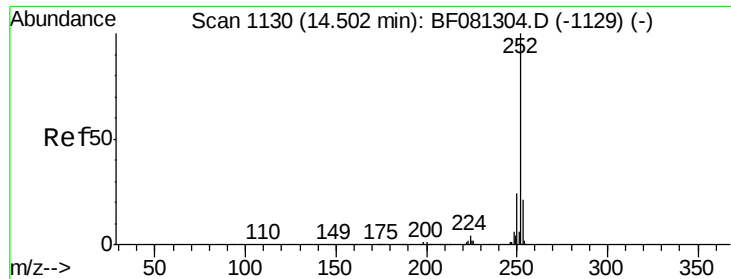


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#88

Benzo(k)fluoranthene

Concen: 3.39 ng m

RT: 24.52 min Scan# 2028

Delta R.T. 0.01 min

Lab File: BF081611.D

Acq: 14 Sep 2015 17:00

Instrument :

BNA_F

ClientSampleId :

GP-5(0-5)

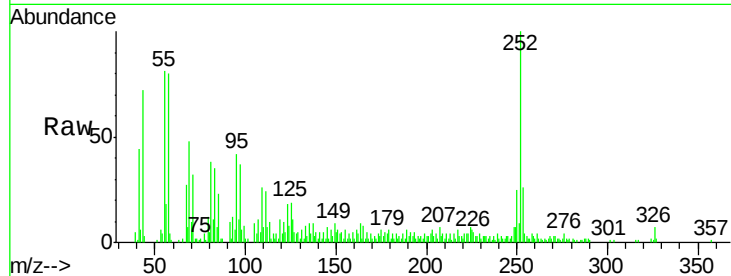
Tgt Ion:252 Resp: 19951

Ion Ratio Lower Upper

252 100

253 26.2 17.0 25.4#

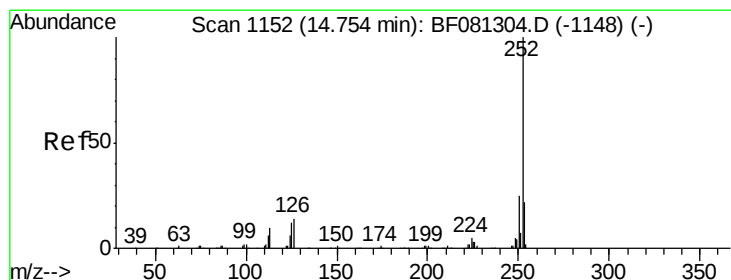
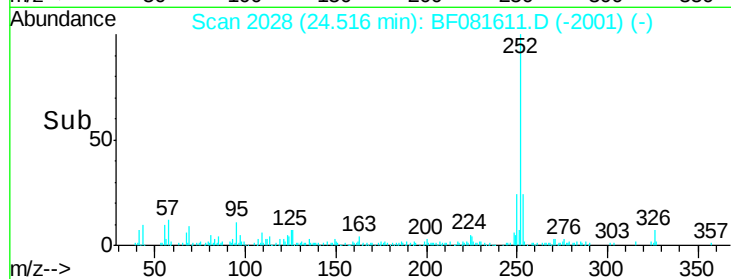
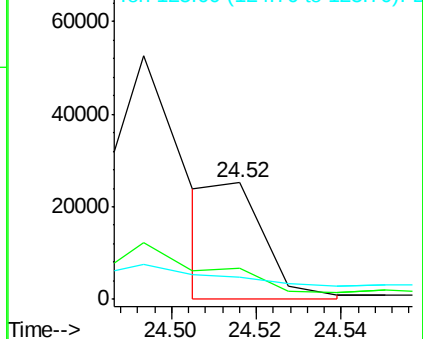
125 19.1 16.0 24.0



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: 7.43 ng m

RT: 24.78 min Scan# 2051

Delta R.T. -0.00 min

Lab File: BF081611.D

Acq: 14 Sep 2015 17:00

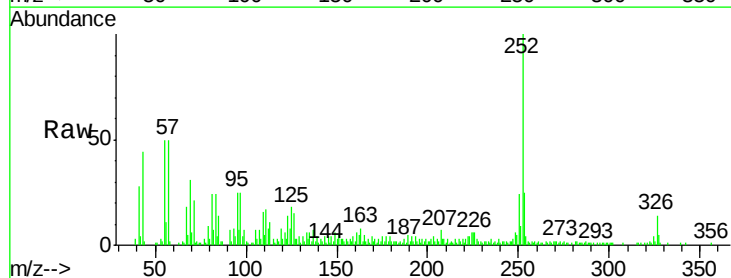
Tgt Ion:252 Resp: 44686

Ion Ratio Lower Upper

252 100

253 25.1 17.2 25.8

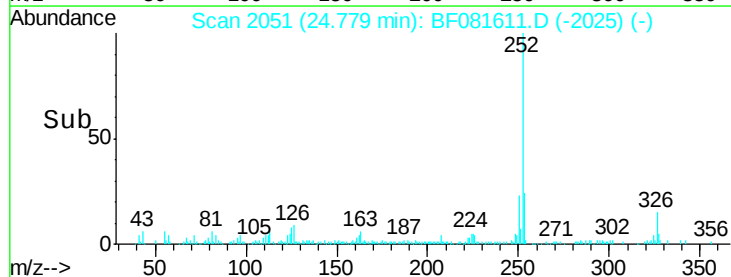
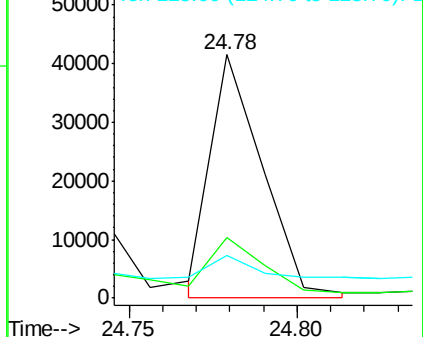
125 17.7 18.0 27.0#

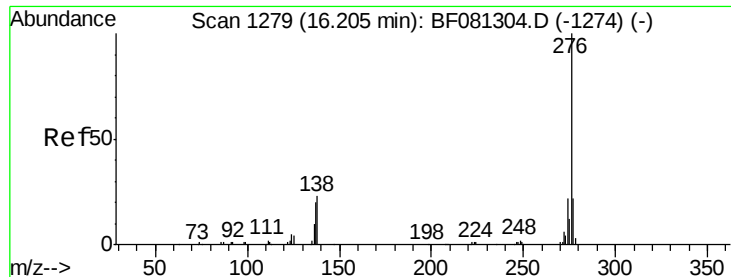


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#91

Benzo(g,h,i)perylene

Concen: 4.44 ng

RT: 26.20 min Scan# 2175

Delta R.T. 0.01 min

Lab File: BF081611.D

Acq: 14 Sep 2015 17:00

Instrument :

BNA_F

ClientSampleId :

GP-5(0-5)

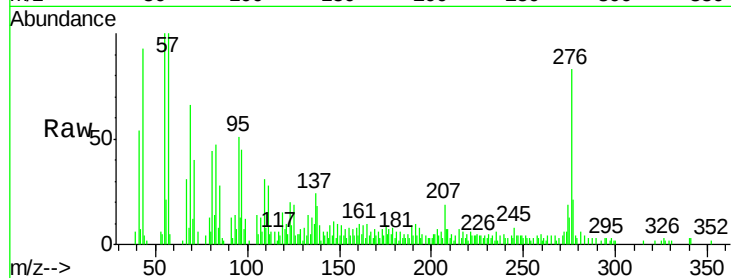
Tgt Ion: 276 Resp: 19709

Ion Ratio Lower Upper

276 100

277 25.3 17.8 26.6

138 21.9 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

