

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF091415\
 Data File : BF081607.D
 Acq On : 14 Sep 2015 14:34
 Operator : UM/IZ
 Sample : G3597-01 5X
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 GP-1(0-5)

Quant Time: Sep 15 01:46:38 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

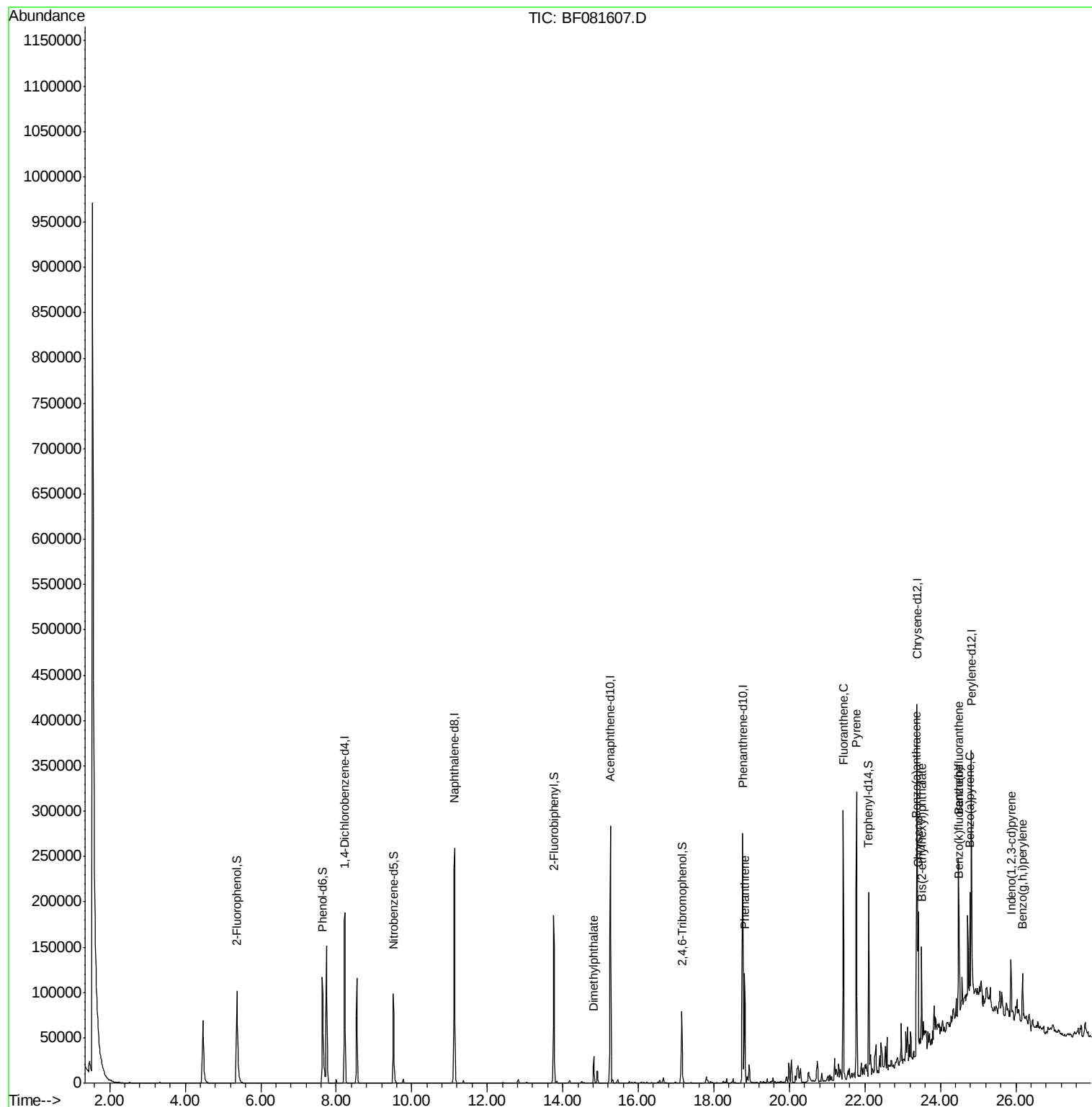
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.23	152	50653	20.00	ng	0.00
21) Naphthalene-d8	11.13	136	210515	20.00	ng	0.00
38) Acenaphthene-d10	15.26	164	98069	20.00	ng	-0.01
63) Phenanthrene-d10	18.77	188	190631	20.00	ng	0.00
75) Chrysene-d12	23.38	240	110892	20.00	ng	-0.01
86) Perylene-d12	24.82	264	98570	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.37	112	55460	16.99	ng	0.00
7) Phenol-d6	7.63	99	86744	20.07	ng	-0.02
23) Nitrobenzene-d5	9.51	82	57211	13.11	ng	-0.03
41) 2,4,6-Tribromophenol	17.16	330	14137	16.19	ng	-0.02
44) 2-Fluorobiphenyl	13.76	172	106090	13.86	ng	-0.02
78) Terphenyl-d14	22.10	244	82437	17.31	ng	-0.01
Target Compounds						Qvalue
49) Dimethylphthalate	14.82	163	21255	2.79	ng	# 95
70) Phenanthrene	18.81	178	83183	7.85	ng	98
74) Fluoranthene	21.43	202	171701	14.97	ng	90
77) Pyrene	21.78	202	178438	21.72	ng	97
80) Benzo(a)anthracene	23.37	228	74864m	10.60	ng	
82) Chrysene	23.42	228	63263	9.99	ng	95
83) Bis(2-ethylhexyl)phthalate	23.50	149	22340	4.74	ng	# 91
85) Indeno(1,2,3-cd)pyrene	25.88	276	36098	7.77	ng	# 85
87) Benzo(b)fluoranthene	24.48	252	74337m	10.56	ng	
88) Benzo(k)fluoranthene	24.49	252	26921m	4.61	ng	
89) Benzo(a)pyrene	24.78	252	57527	9.65	ng	# 81
91) Benzo(g,h,i)perylene	26.17	276	35061	7.97	ng	# 77

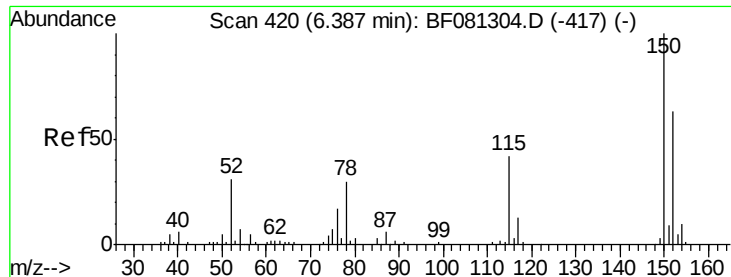
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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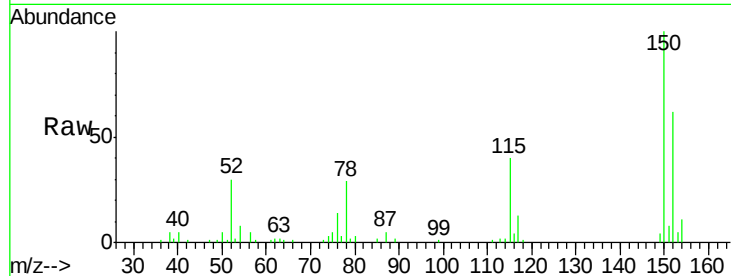


#1

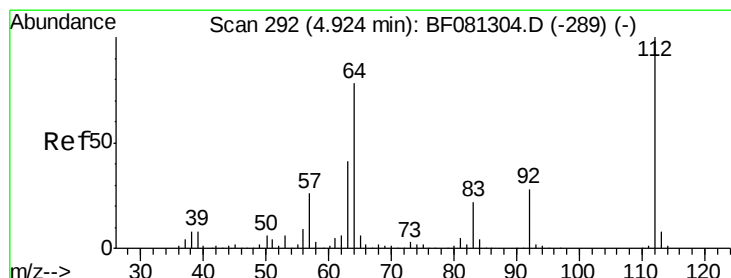
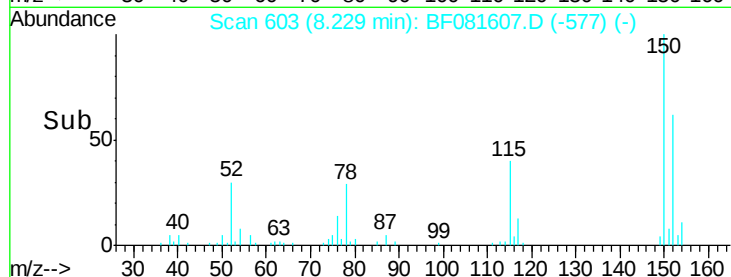
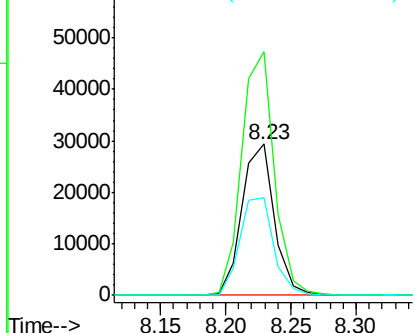
1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 8.23 min Scan# 603
 Delta R.T. -0.00 min
 Lab File: BF081607.D
 Acq: 14 Sep 2015 14:34

Instrument :
 BNA_F
 ClientSampleId :
 GP-1(0-5)

Tgt Ion:152 Resp: 50653
 Ion Ratio Lower Upper
 152 100
 150 160.9 124.7 187.1
 115 64.9 39.0 58.4#



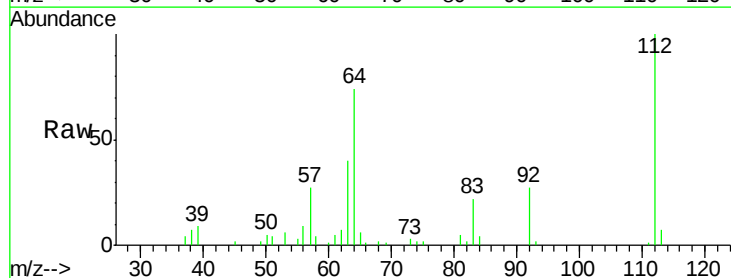
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



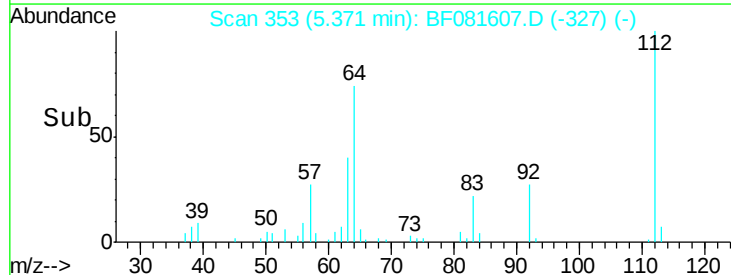
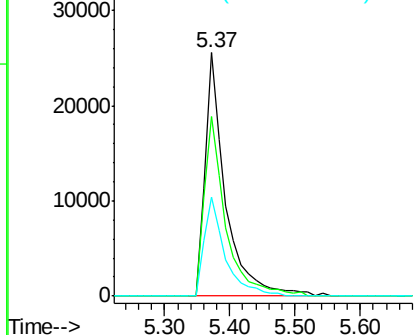
#5

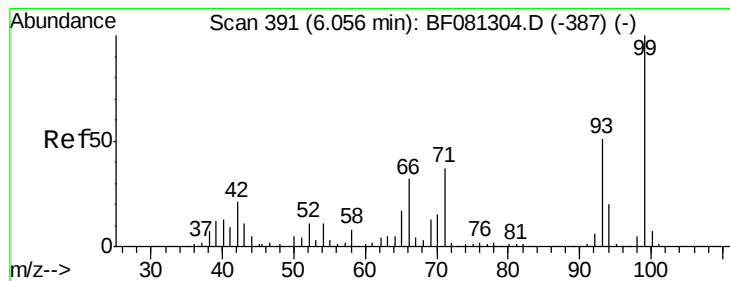
2-Fluorophenol
 Concen: 16.99 ng
 RT: 5.37 min Scan# 353
 Delta R.T. -0.00 min
 Lab File: BF081607.D
 Acq: 14 Sep 2015 14:34

Tgt Ion:112 Resp: 55460
 Ion Ratio Lower Upper
 112 100
 64 73.7 39.7 59.5#
 63 40.4 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: 20.07 ng

RT: 7.63 min Scan# 551

Delta R.T. -0.02 min

Lab File: BF081607.D

Acq: 14 Sep 2015 14:34

Instrument :

BNA_F

ClientSampled :

GP-1(0-5)

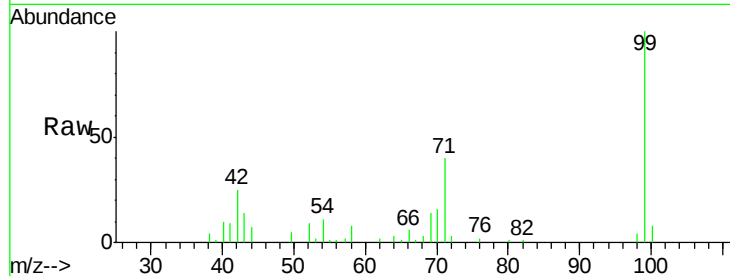
Tgt Ion: 99 Resp: 86744

Ion Ratio Lower Upper

99 100

42 25.2 13.7 20.5#

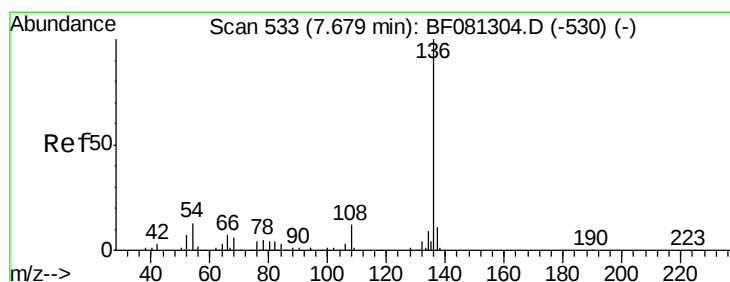
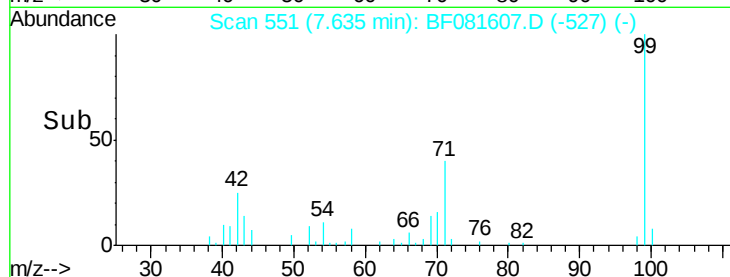
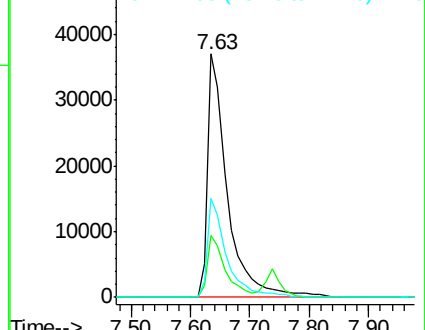
71 40.4 14.2 21.2#



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: BF081607.D

Acq: 14 Sep 2015 14:34

Tgt Ion: 136 Resp: 210515

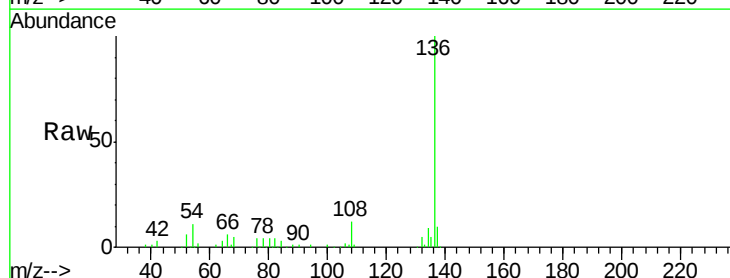
Ion Ratio Lower Upper

136 100

137 10.4 9.0 13.6

54 11.2 8.2 12.2

68 4.9 5.8 8.6#

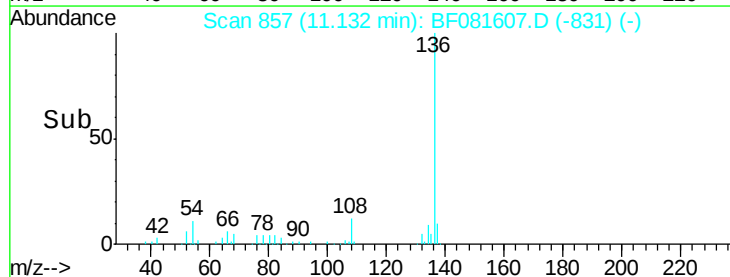
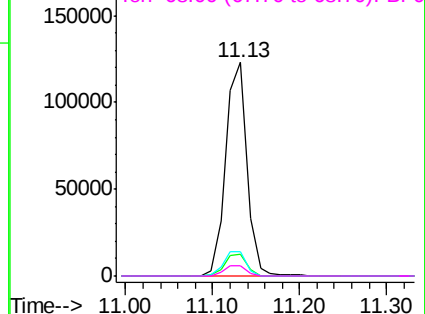


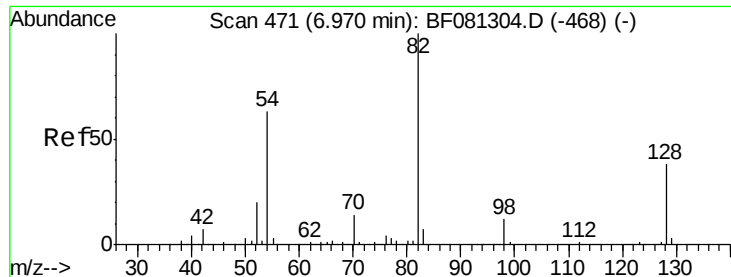
Abundance Ion 136.00 (135.70 to 136.70): E

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: 13.11 ng

RT: 9.51 min Scan# 715

Delta R.T. -0.03 min

Lab File: BF081607.D

Acq: 14 Sep 2015 14:34

Instrument :

BNA_F

ClientSampleId :

GP-1(0-5)

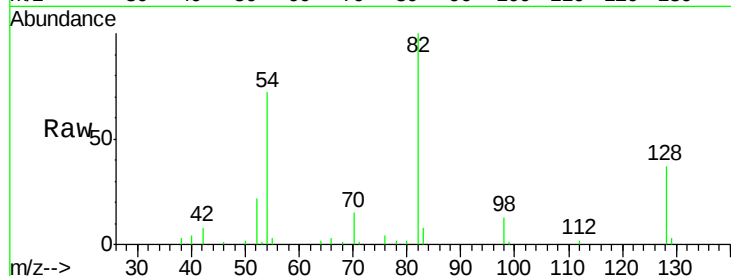
Tgt Ion: 82 Resp: 57211

Ion Ratio Lower Upper

82 100

128 36.6 51.0 76.6#

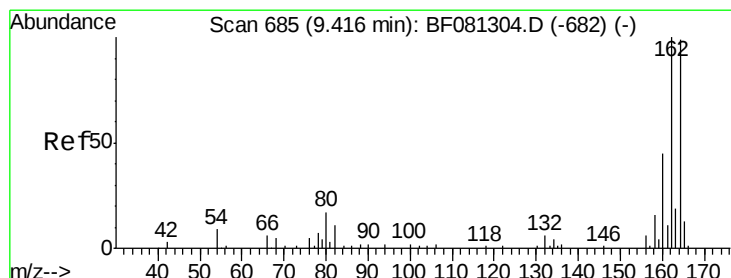
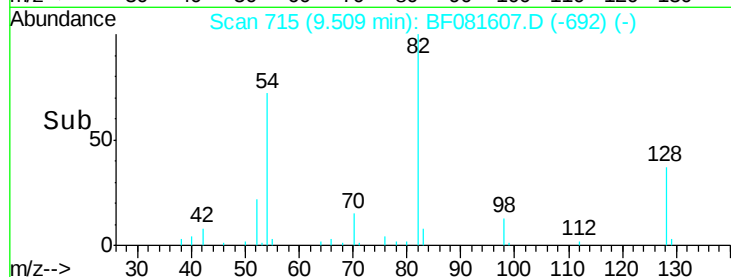
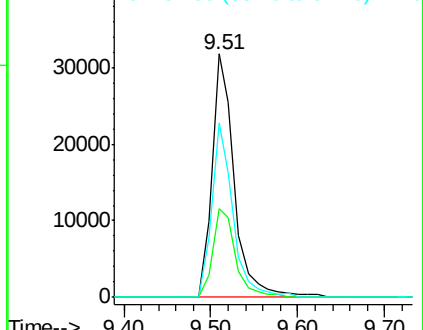
54 71.8 47.5 71.3#



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: 15.26 min Scan# 1218

Delta R.T. -0.01 min

Lab File: BF081607.D

Acq: 14 Sep 2015 14:34

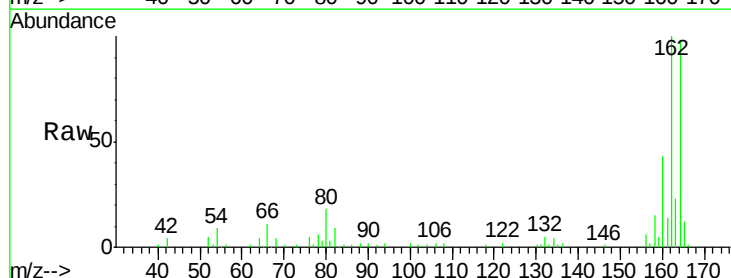
Tgt Ion: 164 Resp: 98069

Ion Ratio Lower Upper

164 100

162 102.3 75.2 112.8

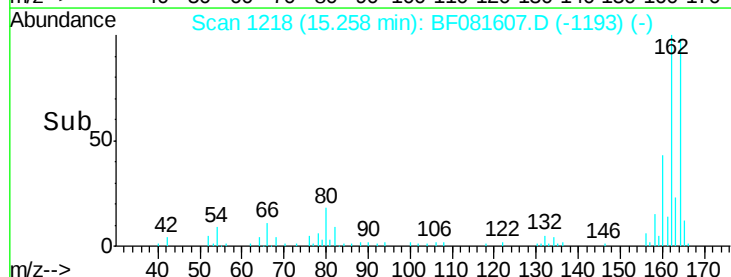
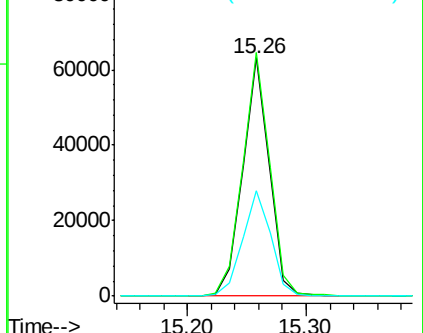
160 44.5 31.5 47.3

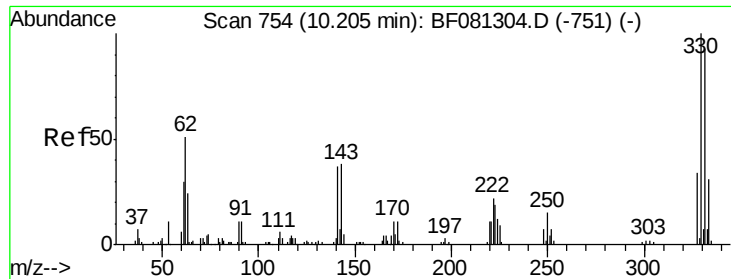


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

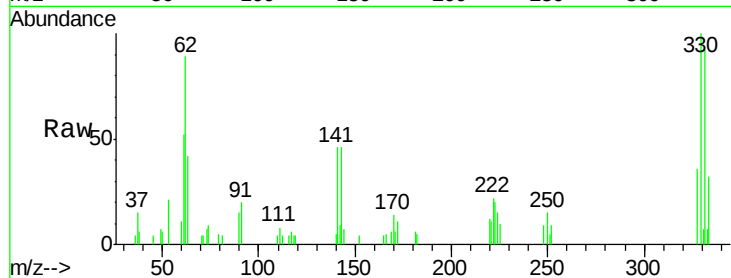




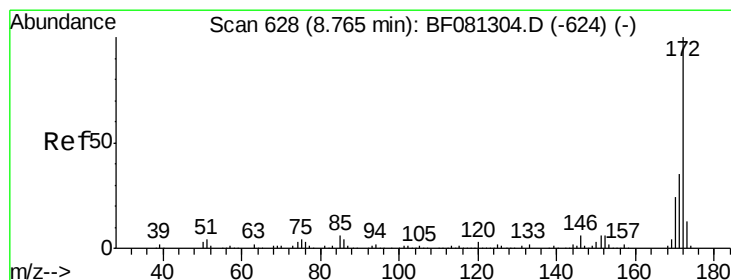
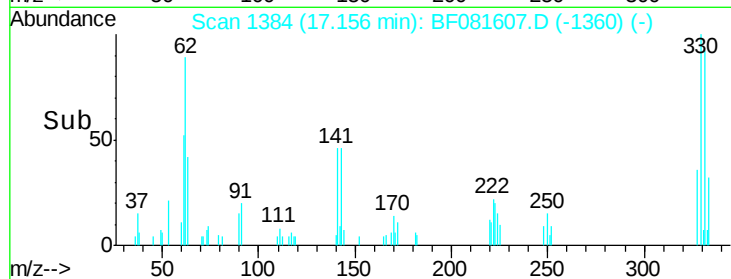
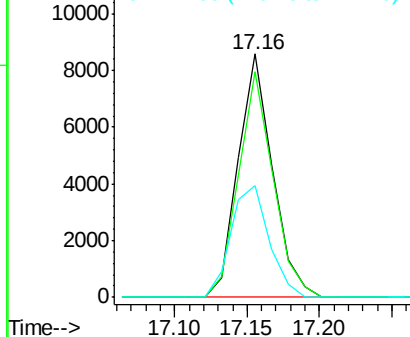
#41
 2,4,6-Tribromophenol
 Concen: 16.19 ng
 RT: 17.16 min Scan# 1384
 Delta R.T. -0.02 min
 Lab File: BF081607.D
 Acq: 14 Sep 2015 14:34

Instrument :
 BNA_F
 ClientSampleId :
 GP-1(0-5)

Tgt Ion:330 Resp: 14137
 Ion Ratio Lower Upper
 330 100
 332 92.9 76.6 114.8
 141 51.0 29.7 44.5#

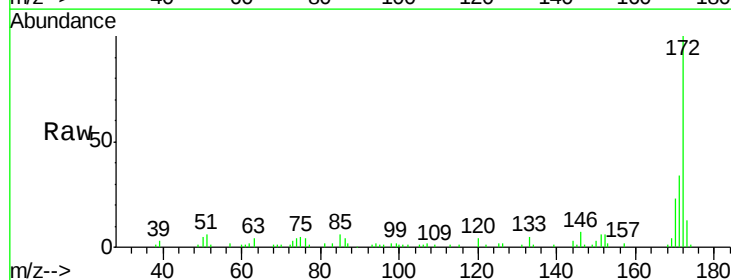


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

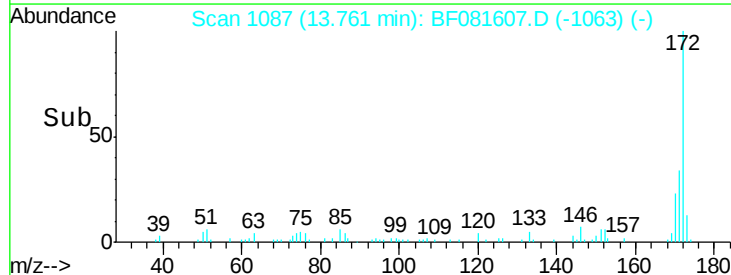
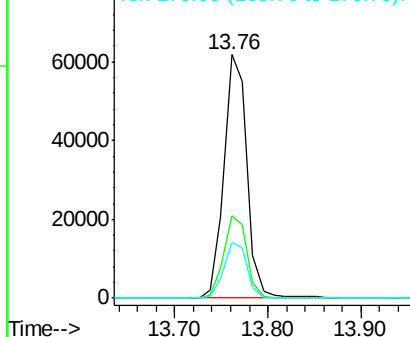


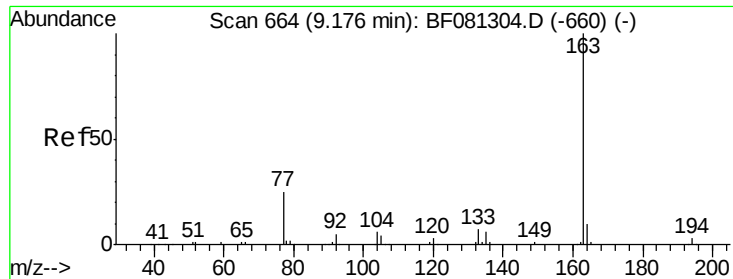
#44
 2-Fluorobiphenyl
 Concen: 13.86 ng
 RT: 13.76 min Scan# 1087
 Delta R.T. -0.02 min
 Lab File: BF081607.D
 Acq: 14 Sep 2015 14:34

Tgt Ion:172 Resp: 106090
 Ion Ratio Lower Upper
 172 100
 171 34.0 26.1 39.1
 170 22.9 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: 2.79 ng

RT: 14.82 min Scan# 1180

Delta R.T. -0.05 min

Lab File: BF081607.D

Acq: 14 Sep 2015 14:34

Instrument :

BNA_F

ClientSampleId :

GP-1(0-5)

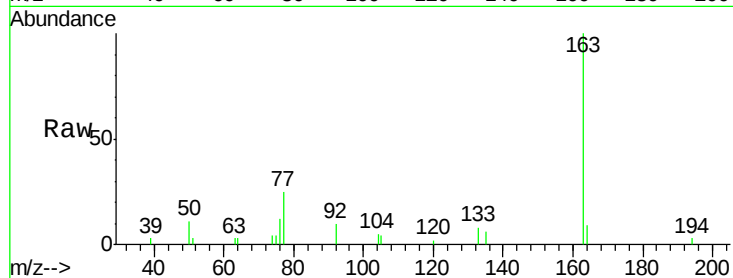
Tgt Ion:163 Resp: 21255

Ion Ratio Lower Upper

163 100

194 2.6 4.4 6.6#

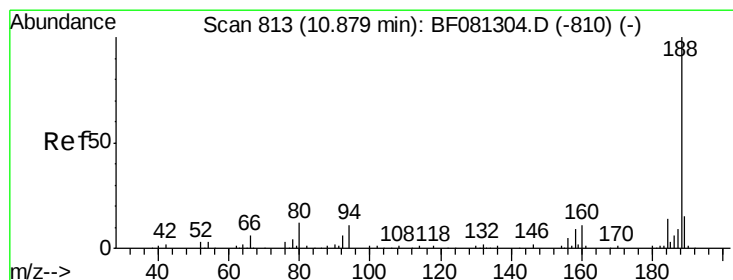
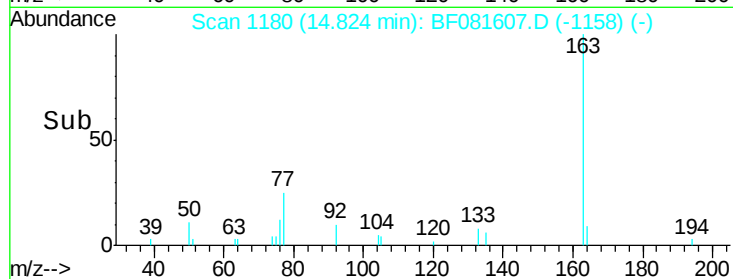
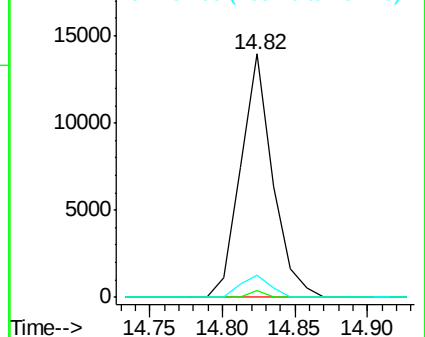
164 9.4 8.3 12.5



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: BF081607.D

Acq: 14 Sep 2015 14:34

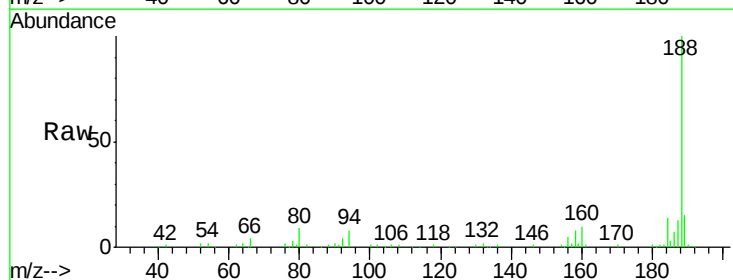
Tgt Ion:188 Resp: 190631

Ion Ratio Lower Upper

188 100

94 7.9 11.1 16.7#

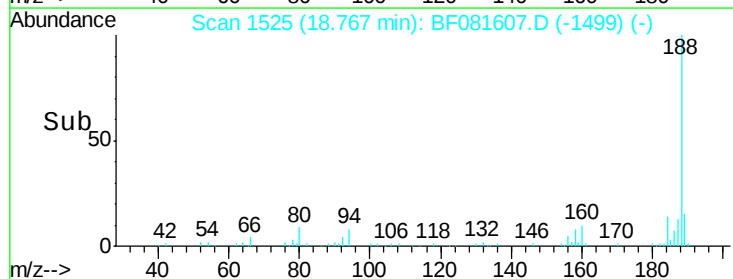
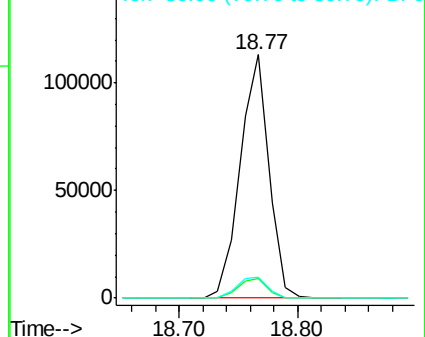
80 8.7 11.0 16.4#

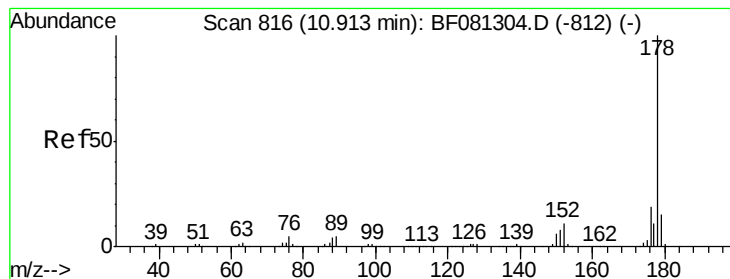


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0





#70

Phenanthrene

Concen: 7.85 ng

RT: 18.81 min Scan# 1529

Delta R.T. -0.02 min

Lab File: BF081607.D

Acq: 14 Sep 2015 14:34

Instrument :

BNA_F

ClientSampleId :

GP-1(0-5)

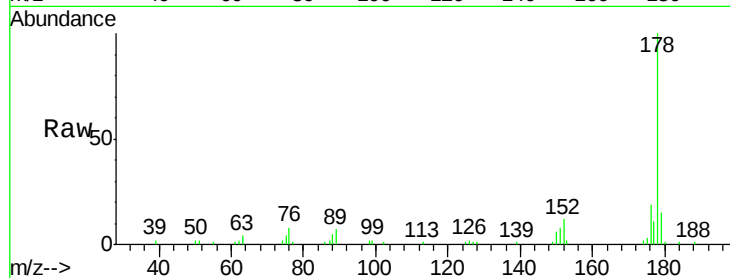
Tgt Ion:178 Resp: 83183

Ion Ratio Lower Upper

178 100

176 18.8 13.8 20.8

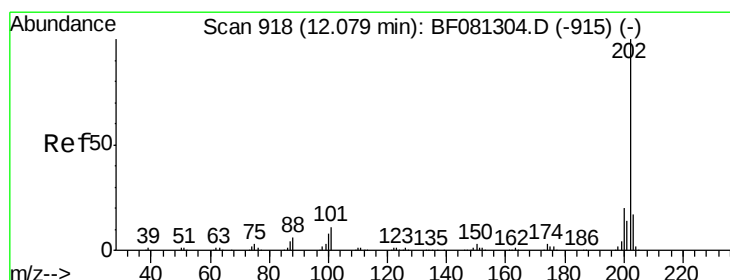
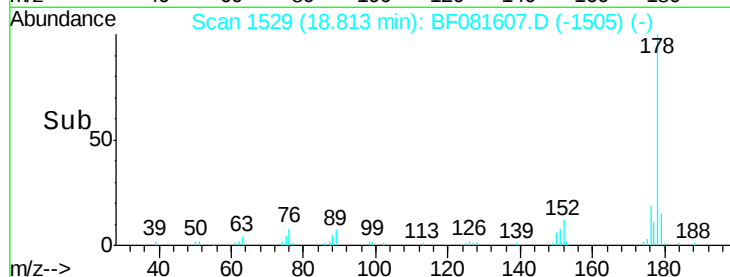
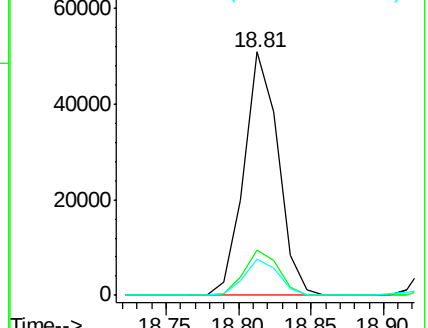
179 15.0 12.2 18.2



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



#74

Fluoranthene

Concen: 14.97 ng

RT: 21.43 min Scan# 1758

Delta R.T. -0.01 min

Lab File: BF081607.D

Acq: 14 Sep 2015 14:34

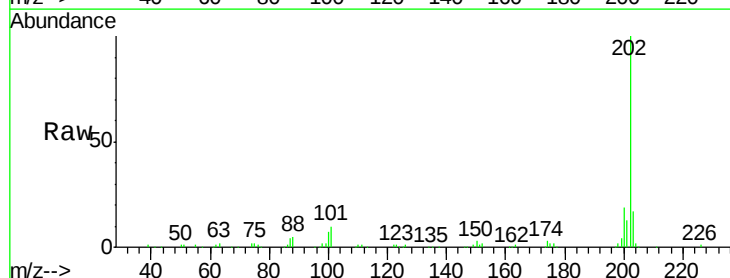
Tgt Ion:202 Resp: 171701

Ion Ratio Lower Upper

202 100

101 9.5 0.0 38.3

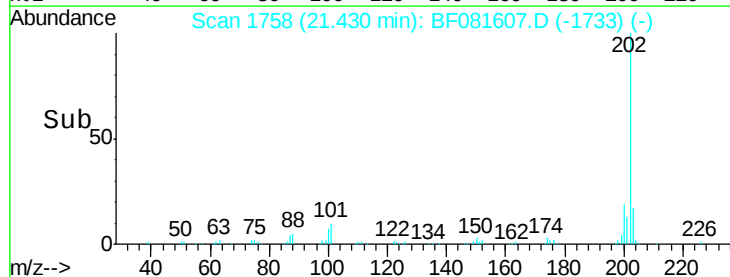
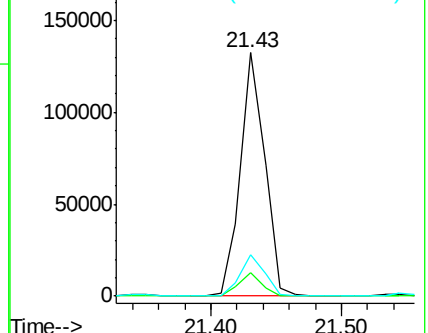
203 17.1 0.0 37.3

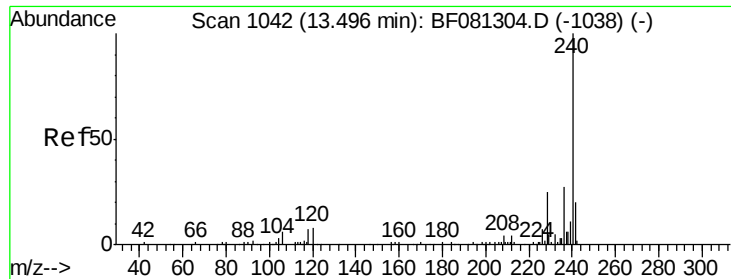


Abundance Ion 202.00 (201.70 to 202.70): E

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: 23.38 min Scan# 1929

Delta R.T. -0.01 min

Lab File: BF081607.D

Acq: 14 Sep 2015 14:34

Instrument :

BNA_F

ClientSampleId :

GP-1(0-5)

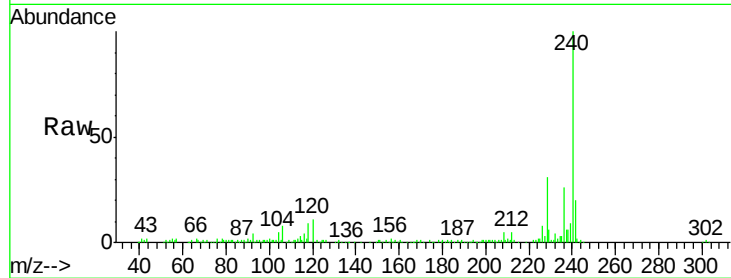
Tgt Ion:240 Resp: 110892

Ion Ratio Lower Upper

240 100

120 10.5 16.2 24.2#

236 25.6 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

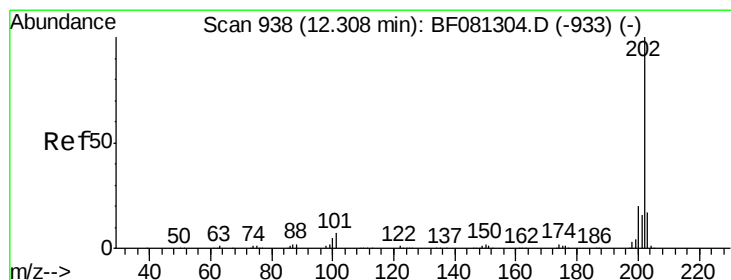
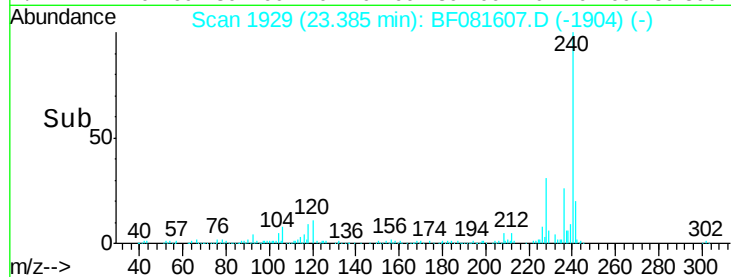
23.38

100000

50000

0

Time-->



#77

Pyrene

Concen: 21.72 ng

RT: 21.78 min Scan# 1789

Delta R.T. -0.00 min

Lab File: BF081607.D

Acq: 14 Sep 2015 14:34

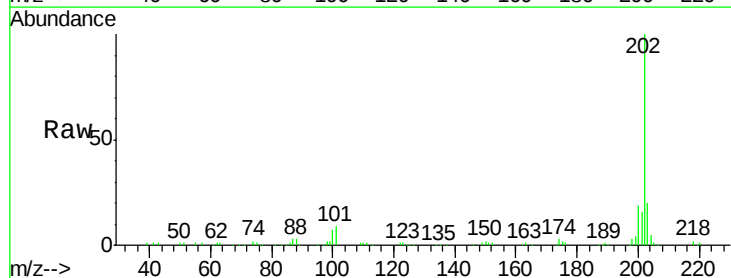
Tgt Ion:202 Resp: 178438

Ion Ratio Lower Upper

202 100

200 19.4 15.0 22.4

203 19.9 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

21.78

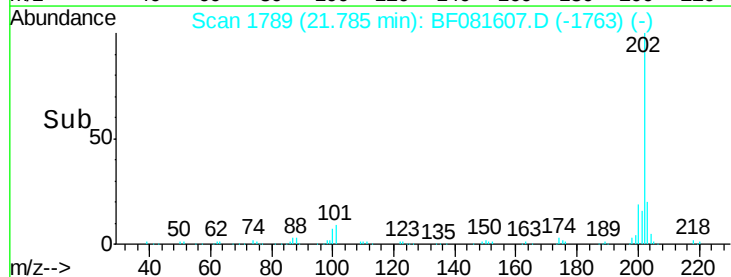
150000

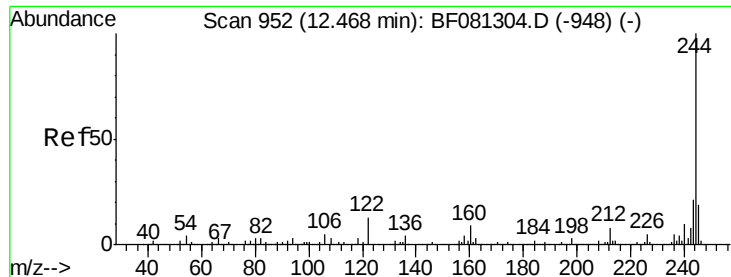
100000

50000

0

Time-->





#78

Terphenyl-d14

Concen: 17.31 ng

RT: 22.10 min Scan# 1817

Delta R.T. -0.01 min

Lab File: BF081607.D

Acq: 14 Sep 2015 14:34

Instrument :

BNA_F

ClientSampleId :

GP-1(0-5)

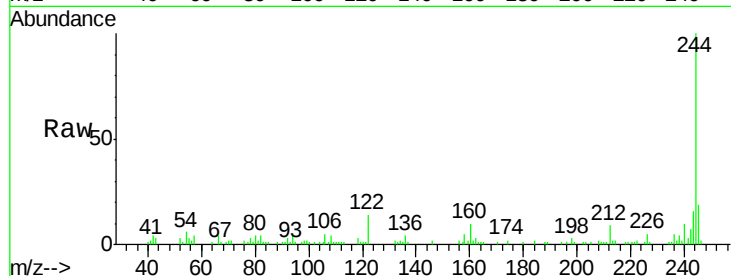
Tgt Ion:244 Resp: 82437

Ion Ratio Lower Upper

244 100

212 8.7 4.3 6.5#

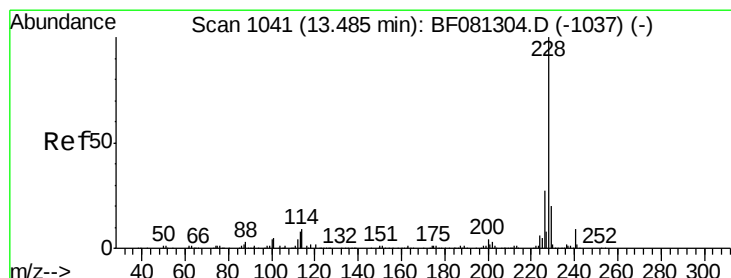
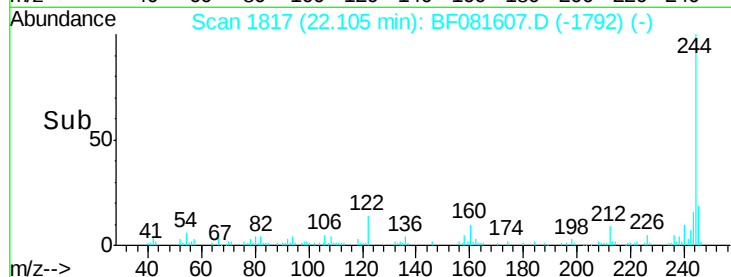
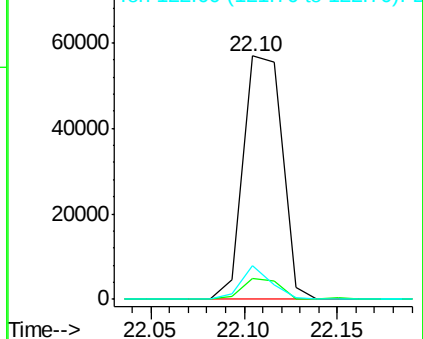
122 13.8 17.4 26.2#



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



#80

Benzo(a)anthracene

Concen: 10.60 ng m

RT: 23.37 min Scan# 1928

Delta R.T. -0.00 min

Lab File: BF081607.D

Acq: 14 Sep 2015 14:34

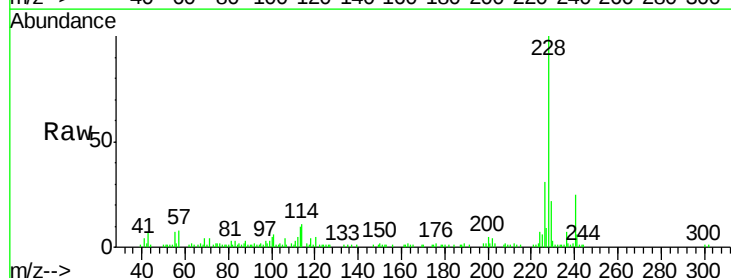
Tgt Ion:228 Resp: 74864

Ion Ratio Lower Upper

228 100

226 30.7 20.0 30.0#

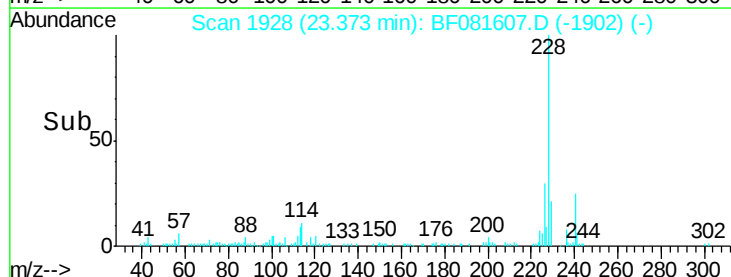
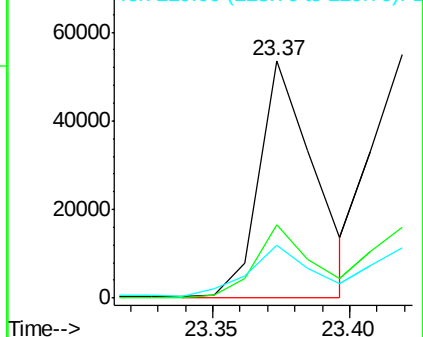
229 22.1 15.4 23.2

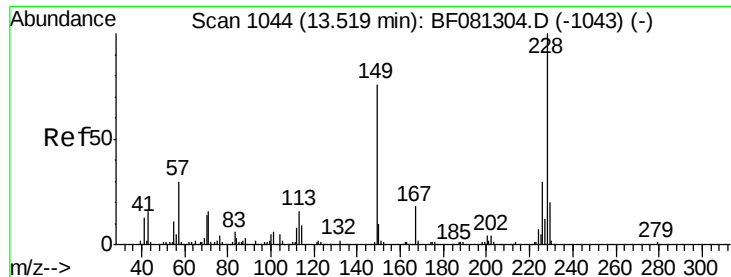


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#82

Chrysene

Concen: 9.99 ng

RT: 23.42 min Scan# 1932

Delta R.T. -0.00 min

Lab File: BF081607.D

Acq: 14 Sep 2015 14:34

Instrument :

BNA_F

ClientSampleId :

GP-1(0-5)

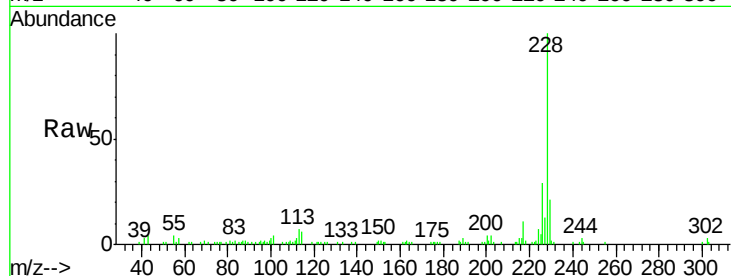
Tgt Ion: 228 Resp: 63263

Ion Ratio Lower Upper

228 100

226 29.2 21.0 31.4

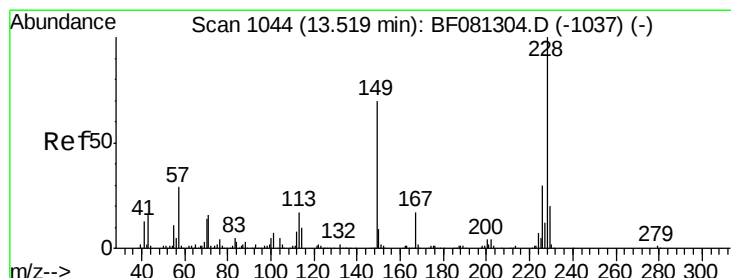
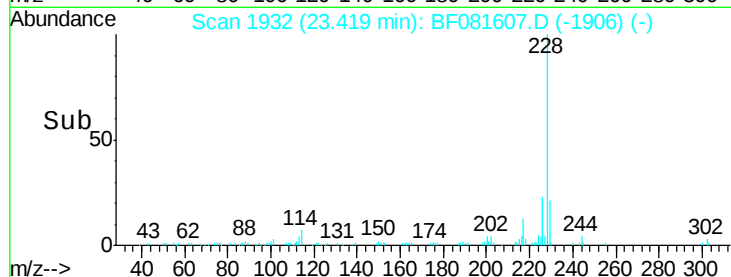
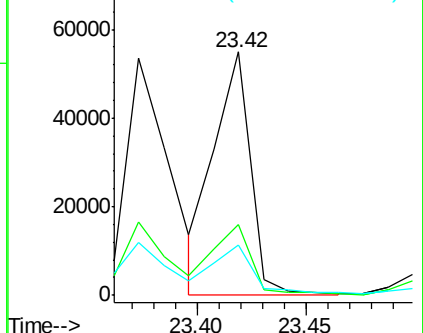
229 20.7 15.6 23.4



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: 4.74 ng

RT: 23.50 min Scan# 1939

Delta R.T. -0.00 min

Lab File: BF081607.D

Acq: 14 Sep 2015 14:34

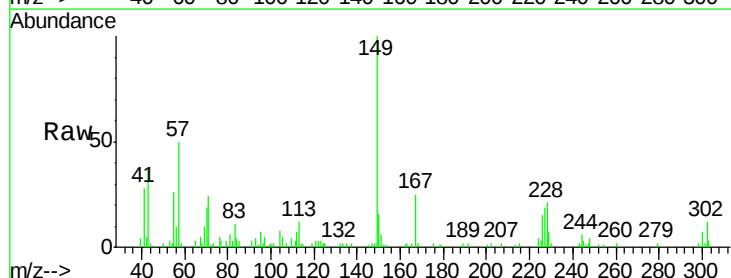
Tgt Ion: 149 Resp: 22340

Ion Ratio Lower Upper

149 100

167 25.5 24.2 36.2

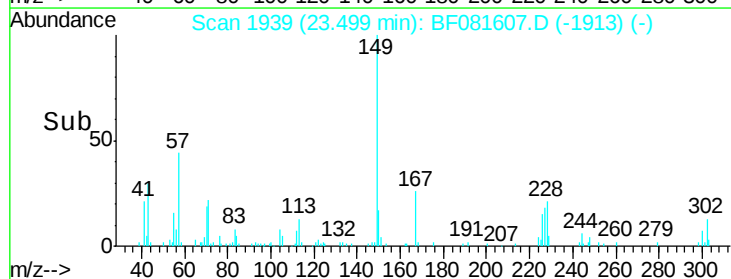
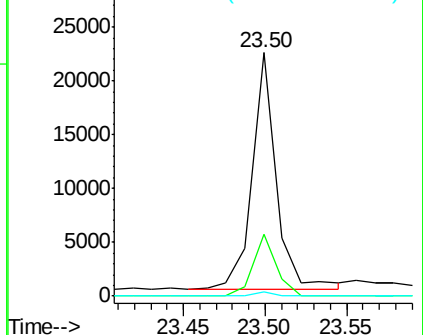
279 1.6 3.8 5.6#

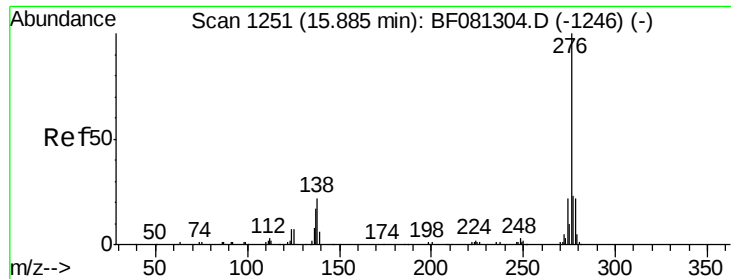


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E

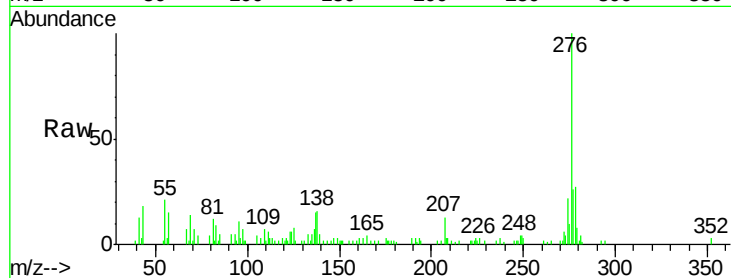




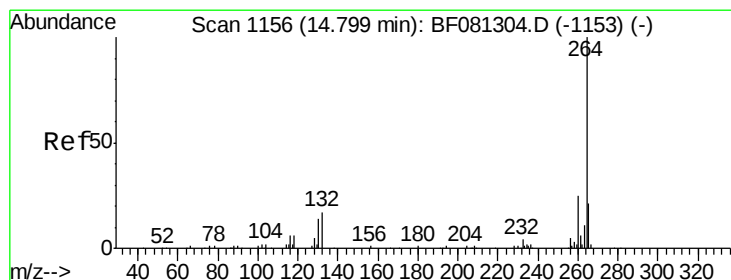
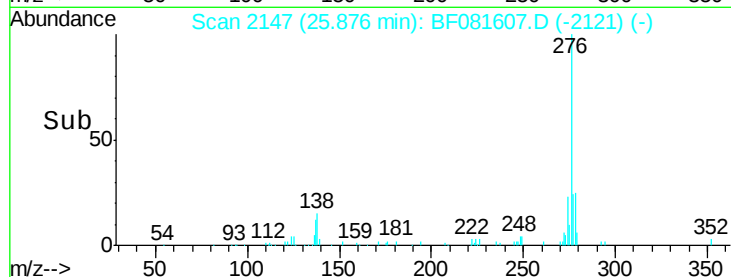
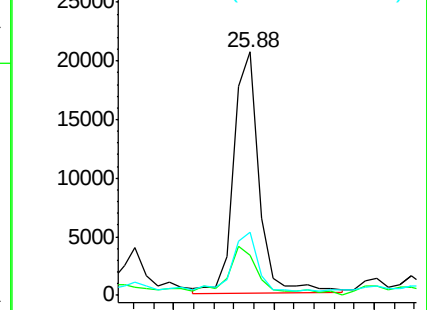
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 7.77 ng
 RT: 25.88 min Scan# 2147
 Delta R.T. -0.00 min
 Lab File: BF081607.D
 Acq: 14 Sep 2015 14:34

Instrument :
 BNA_F
 ClientSampleId :
 GP-1(0-5)

Tgt Ion: 276 Resp: 36098
 Ion Ratio Lower Upper
 276 100
 138 26.6 25.7 38.5
 277 30.1 15.6 23.4#

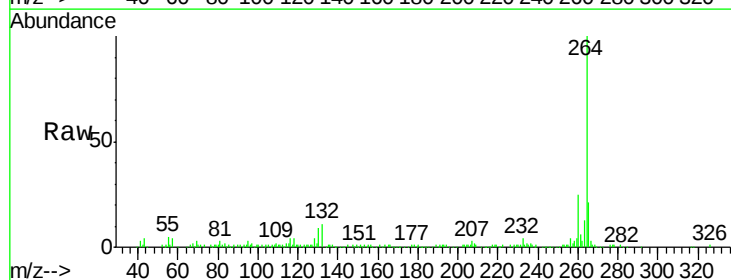


Abundance Ion 276.00 (275.70 to 276.70): E
 Ion 138.00 (137.70 to 138.70): E
 Ion 277.00 (276.70 to 277.70): E

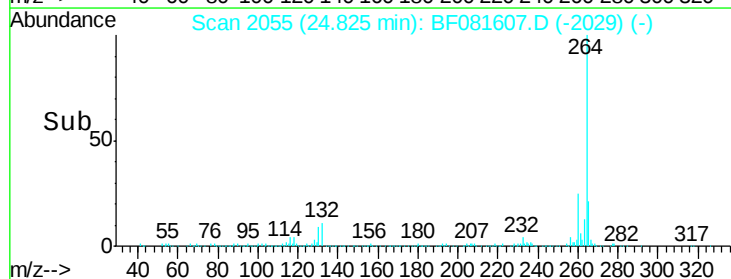
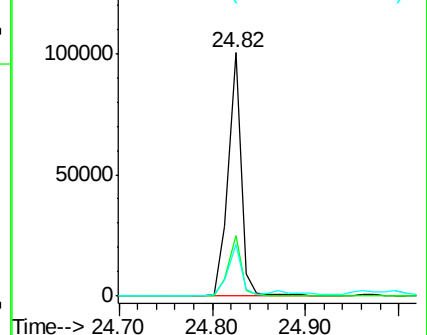


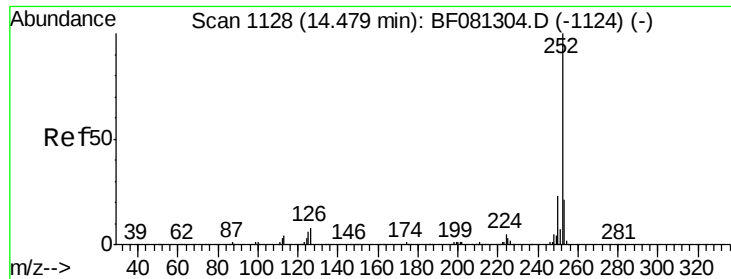
#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 24.82 min Scan# 2055
 Delta R.T. -0.00 min
 Lab File: BF081607.D
 Acq: 14 Sep 2015 14:34

Tgt Ion: 264 Resp: 98570
 Ion Ratio Lower Upper
 264 100
 260 24.6 16.7 25.1
 265 21.3 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

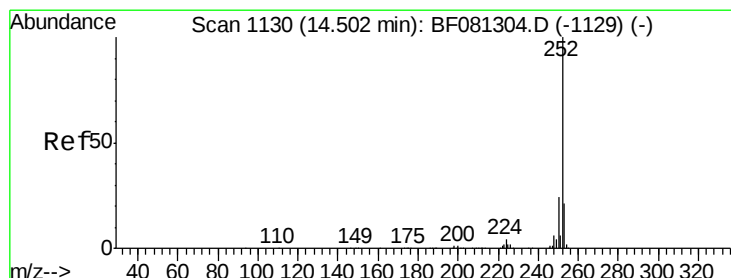
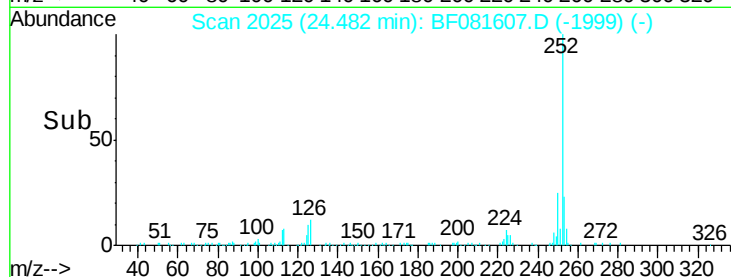
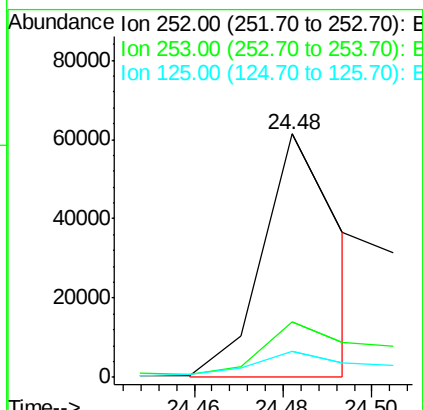
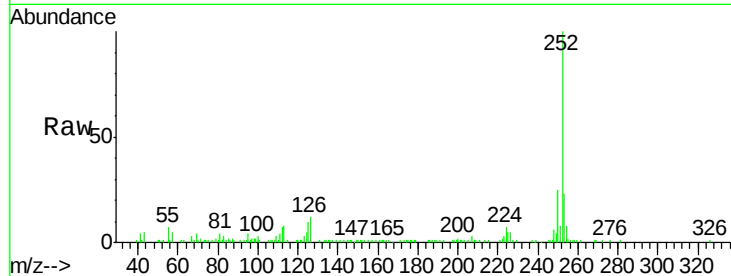




#87
Benzo(b)fluoranthene
Concen: 10.56 ng m
RT: 24.48 min Scan# 2025
Delta R.T. -0.00 min
Lab File: BF081607.D
Acq: 14 Sep 2015 14:34

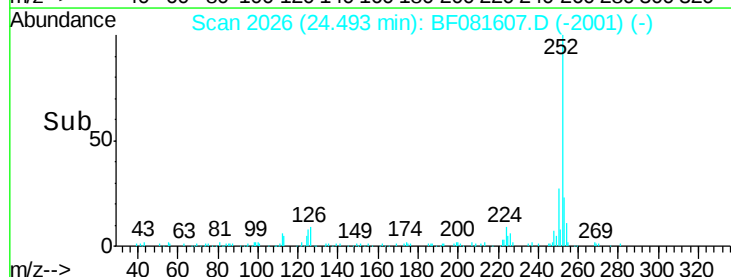
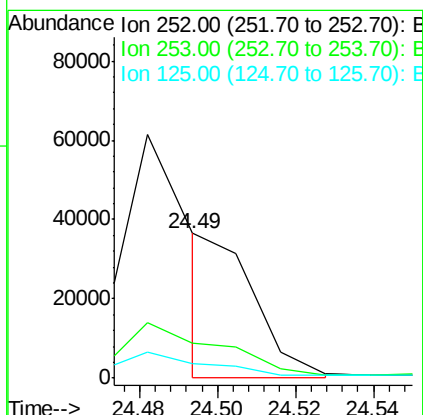
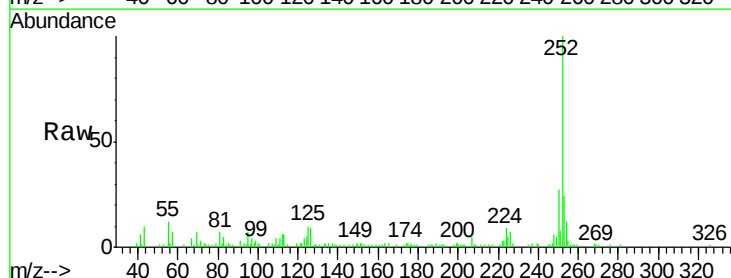
Instrument :
BNA_F
ClientSampleId :
GP-1(0-5)

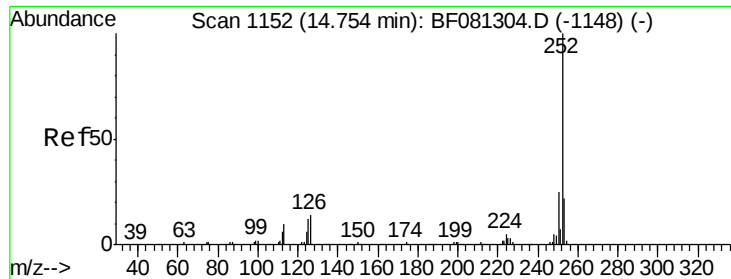
Tgt Ion:252 Resp: 74337
Ion Ratio Lower Upper
252 100
253 22.7 17.5 26.3
125 10.4 17.1 25.7#



#88
Benzo(k)fluoranthene
Concen: 4.61 ng m
RT: 24.49 min Scan# 2026
Delta R.T. -0.01 min
Lab File: BF081607.D
Acq: 14 Sep 2015 14:34

Tgt Ion:252 Resp: 26921
Ion Ratio Lower Upper
252 100
253 24.5 17.0 25.4
125 9.6 16.0 24.0#

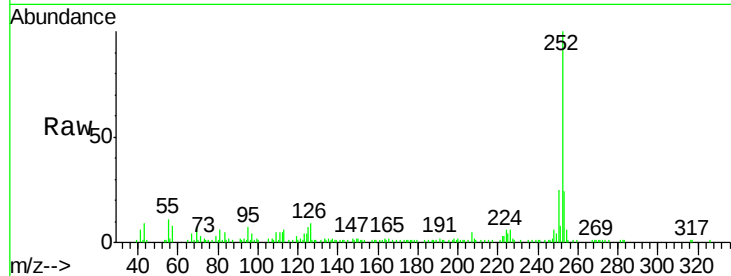




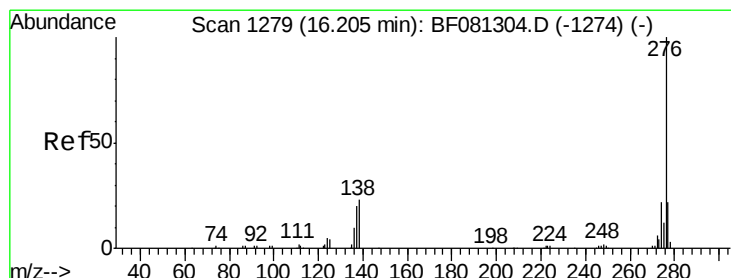
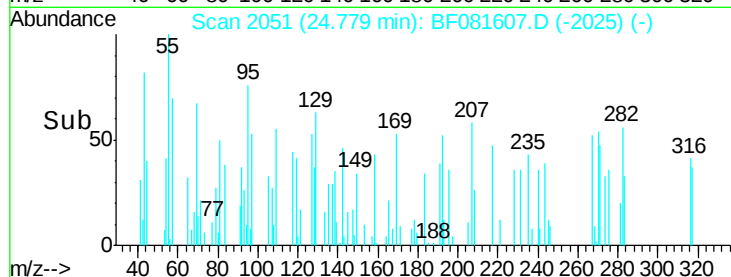
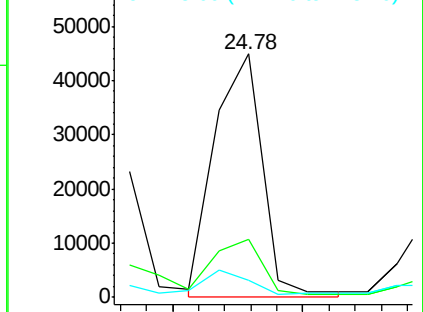
#89
Benzo(a)pyrene
Concen: 9.65 ng
RT: 24.78 min Scan# 2051
Delta R.T. -0.00 min
Lab File: BF081607.D
Acq: 14 Sep 2015 14:34

Instrument :
BNA_F
ClientSampleId :
GP-1(0-5)

Tgt Ion:252 Resp: 57527
Ion Ratio Lower Upper
252 100
253 23.7 17.2 25.8
125 7.1 18.0 27.0#

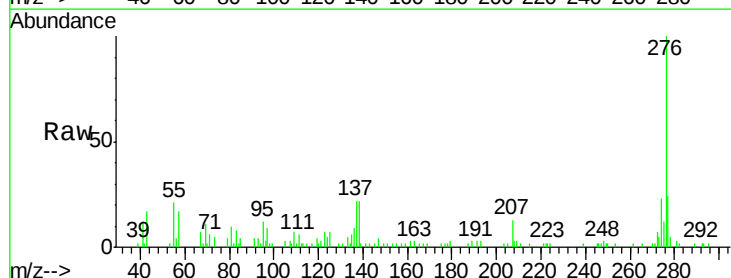


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E



#91
Benzo(g,h,i)perylene
Concen: 7.97 ng
RT: 26.17 min Scan# 2173
Delta R.T. -0.01 min
Lab File: BF081607.D
Acq: 14 Sep 2015 14:34

Tgt Ion:276 Resp: 35061
Ion Ratio Lower Upper
276 100
277 23.8 17.8 26.6
138 22.1 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

