

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF091415\
 Data File : BF081619.D
 Acq On : 14 Sep 2015 21:53
 Operator : UM/IZ
 Sample : G3597-13 5X
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 GP-13(0-5)

Quant Time: Sep 15 01:35:01 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

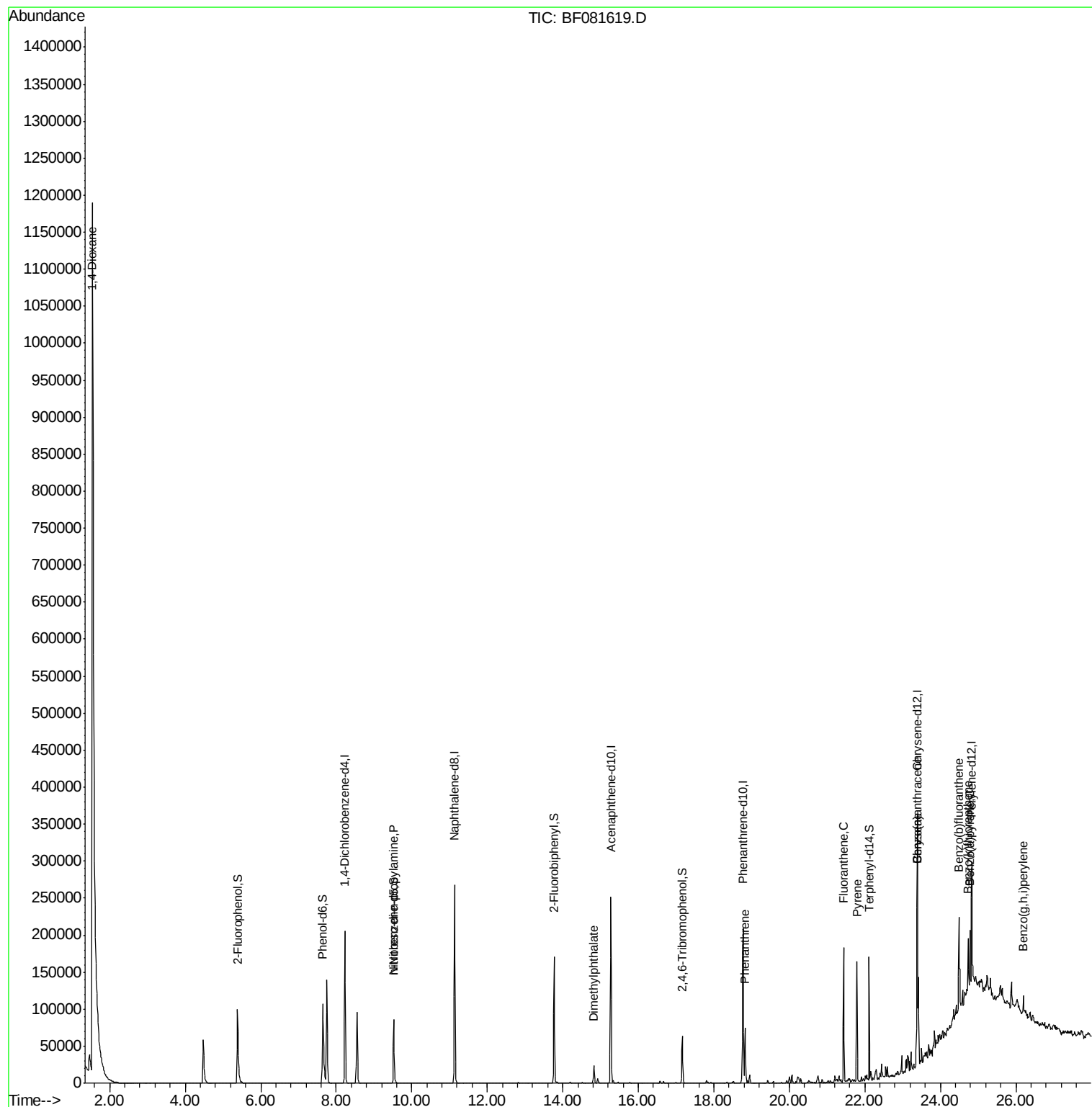
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.23	152	49947	20.00	ng	0.00
21) Naphthalene-d8	11.13	136	197648	20.00	ng	0.00
38) Acenaphthene-d10	15.27	164	88169	20.00	ng	0.00
63) Phenanthrene-d10	18.78	188	149372	20.00	ng	0.01
75) Chrysene-d12	23.40	240	108178	20.00	ng	0.00
86) Perylene-d12	24.84	264	72397	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.38	112	54873	17.05	ng	0.01
7) Phenol-d6	7.65	99	79328	18.62	ng	-0.01
23) Nitrobenzene-d5	9.52	82	50218	12.26	ng	-0.02
41) 2,4,6-Tribromophenol	17.17	330	12288	15.65	ng	-0.01
44) 2-Fluorobiphenyl	13.77	172	90744	13.19	ng	-0.01
78) Terphenyl-d14	22.12	244	55736	11.99	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	1.54	88	76065	52.61	ng	# 11
19) n-Nitroso-di-n-propylamine	9.52	70	6053	2.09	ng	# 64
49) Dimethylphthalate	14.82	163	18726	2.73	ng	# 92
70) Phenanthrene	18.82	178	50964	6.14	ng	97
74) Fluoranthene	21.44	202	101623	11.30	ng	88
77) Pyrene	21.80	202	107596	13.43	ng	# 95
80) Benzo(a)anthracene	23.38	228	54018	7.84	ng	96
82) Chrysene	23.38	228	54018	8.75	ng	98
87) Benzo(b)fluoranthene	24.49	252	71401	13.81	ng	# 87
88) Benzo(k)fluoranthene	24.73	252	24894	5.80	ng	94
89) Benzo(a)pyrene	24.78	252	32595	7.44	ng	# 89
91) Benzo(g,h,i)perylene	26.20	276	15003	4.64	ng	# 72

(#) = 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: BF081619.D

Acq: 14 Sep 2015 21:53

Instrument :

BNA_F

ClientSampleId :

GP-13(0-5)

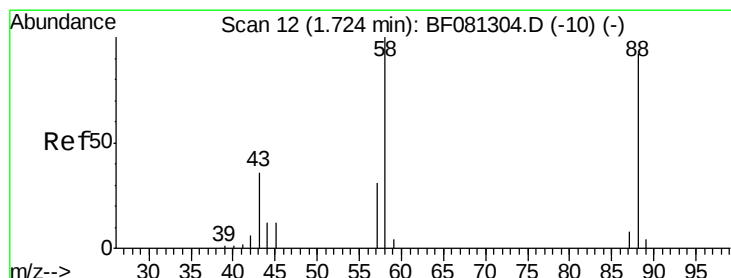
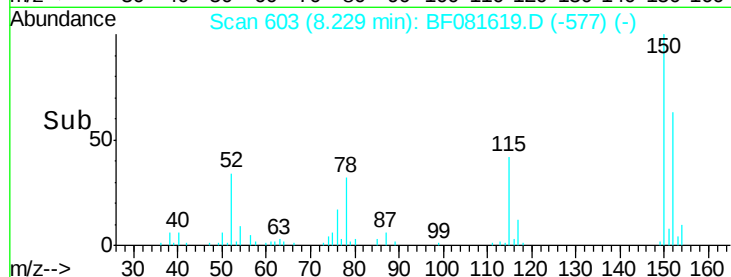
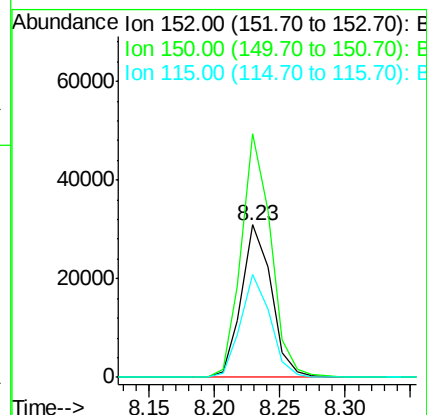
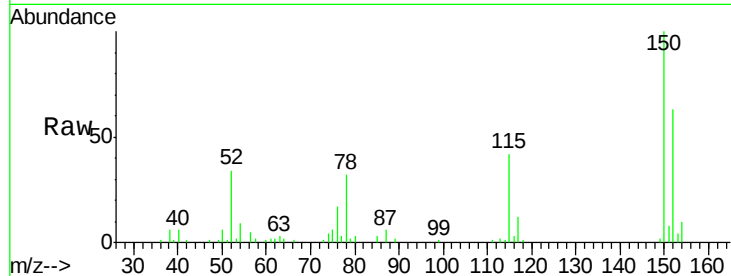
Tgt Ion:152 Resp: 49947

Ion Ratio Lower Upper

152 100

150 159.5 124.7 187.1

115 67.0 39.0 58.4#



#2

1,4-Dioxane

Concen: 52.61 ng

RT: 1.54 min Scan# 18

Delta R.T. -0.02 min

Lab File: BF081619.D

Acq: 14 Sep 2015 21:53

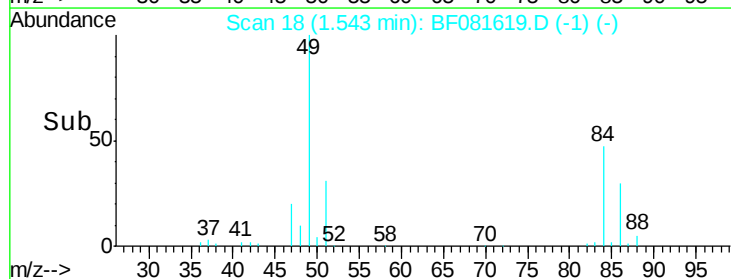
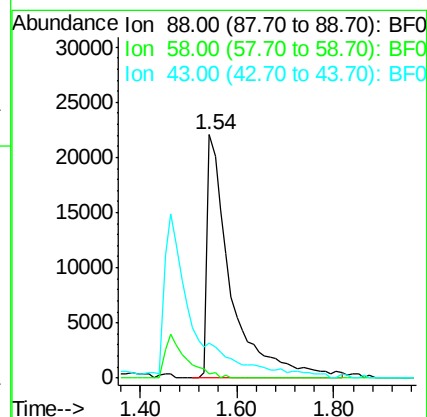
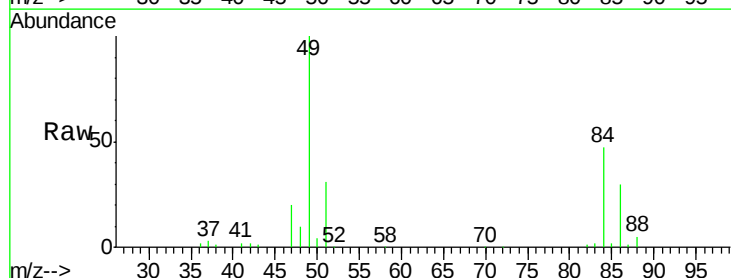
Tgt Ion: 88 Resp: 76065

Ion Ratio Lower Upper

88 100

58 0.0 77.7 116.5#

43 0.0 26.6 40.0#

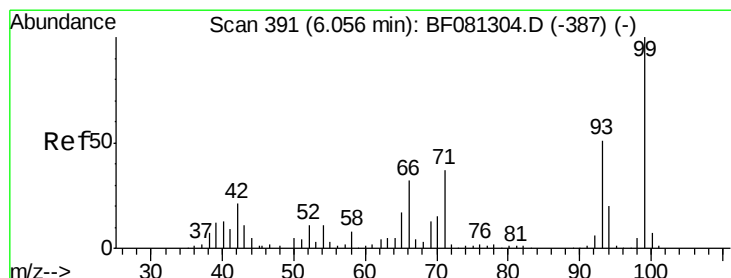
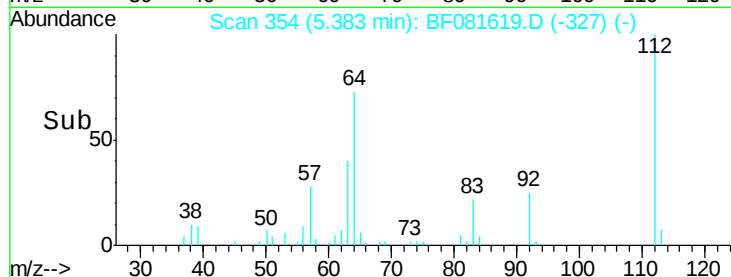
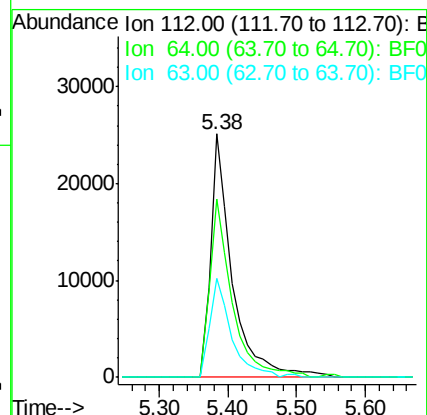
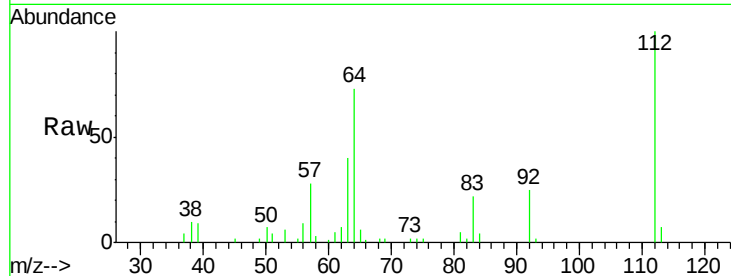




#5
 2-Fluorophenol
 Concen: 17.05 ng
 RT: 5.38 min Scan# 354
 Delta R.T. 0.01 min
 Lab File: BF081619.D
 Acq: 14 Sep 2015 21:53

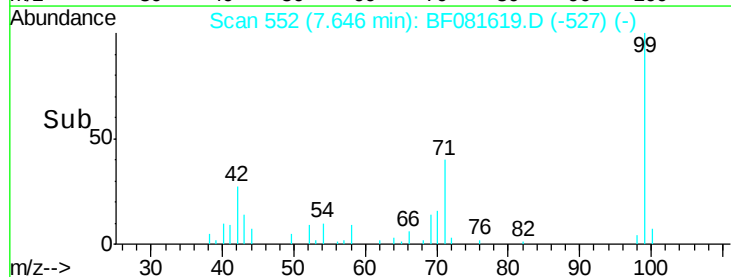
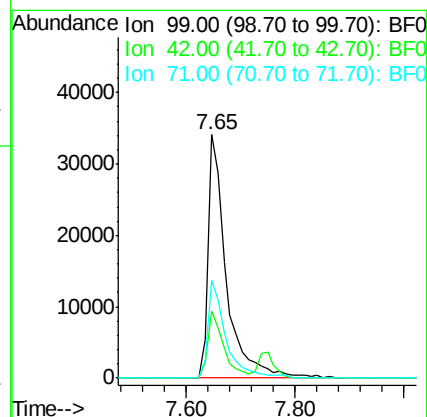
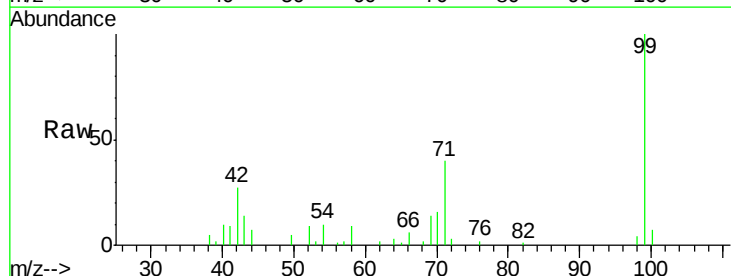
Instrument :
 BNA_F
 ClientSampleId :
 GP-13(0-5)

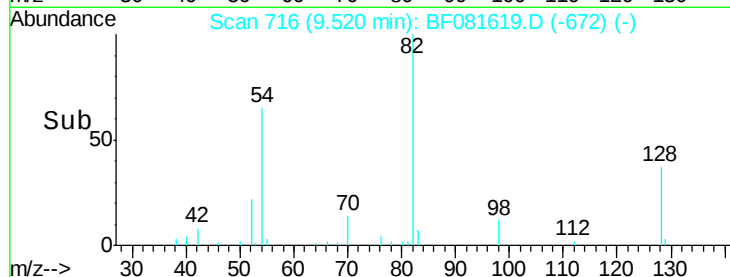
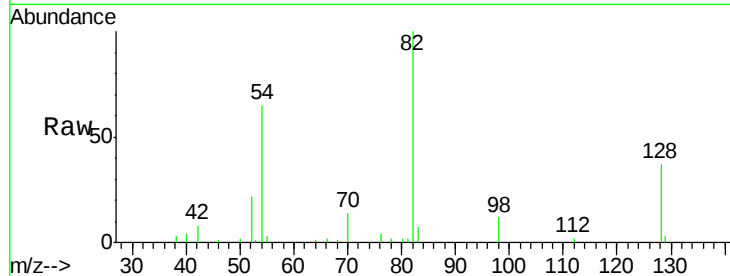
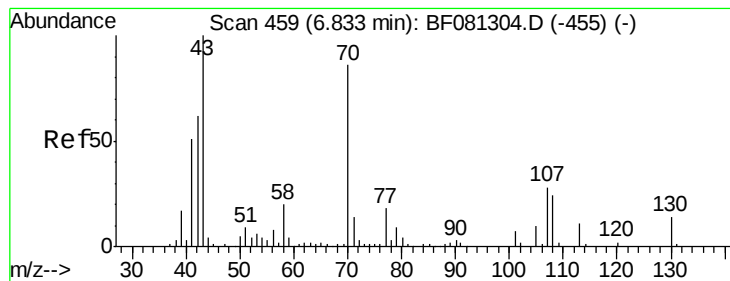
Tgt Ion: 112 Resp: 54873
 Ion Ratio Lower Upper
 112 100
 64 73.3 39.7 59.5#
 63 40.4 17.4 26.0#



#7
 Phenol-d6
 Concen: 18.62 ng
 RT: 7.65 min Scan# 552
 Delta R.T. -0.01 min
 Lab File: BF081619.D
 Acq: 14 Sep 2015 21:53

Tgt Ion: 99 Resp: 79328
 Ion Ratio Lower Upper
 99 100
 42 27.5 13.7 20.5#
 71 40.1 14.2 21.2#





#19

n-Nitroso-di-n-propylamine

Concen: 2.09 ng

RT: 9.52 min Scan# 716

Delta R.T. 0.21 min

Lab File: BF081619.D

Acq: 14 Sep 2015 21:53

Instrument :

BNA_F

ClientSampleId :

GP-13(0-5)

Tgt Ion: 70 Resp: 6053

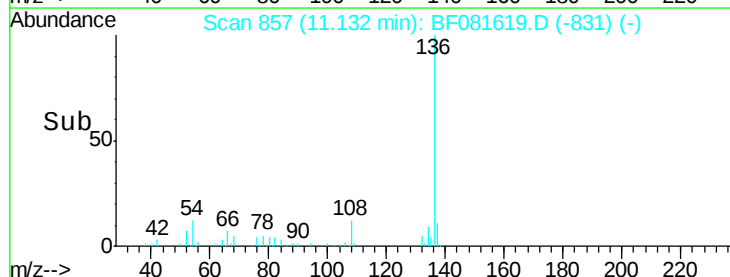
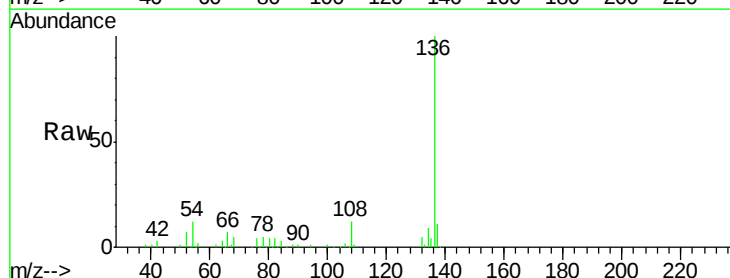
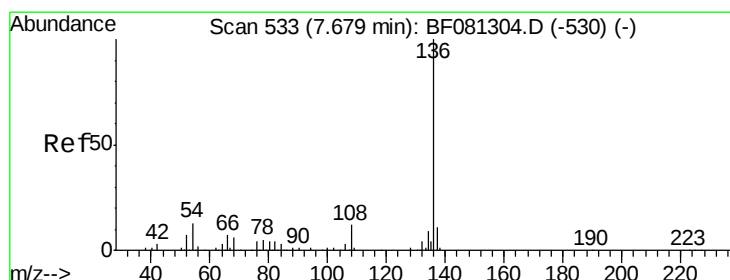
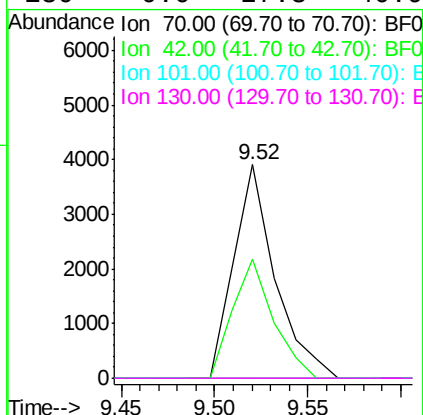
Ion Ratio Lower Upper

70 100

42 55.7 63.8 95.6#

101 0.0 9.2 13.8#

130 0.0 27.3 40.9#



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 11.13 min Scan# 857

Delta R.T. -0.00 min

Lab File: BF081619.D

Acq: 14 Sep 2015 21:53

Tgt Ion: 136 Resp: 197648

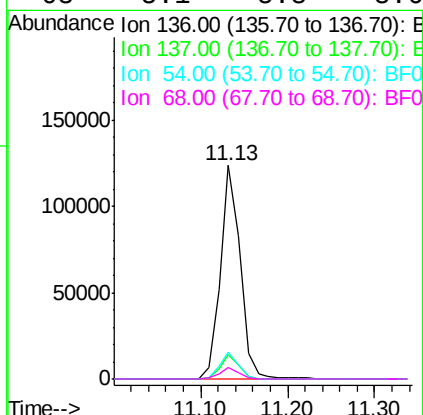
Ion Ratio Lower Upper

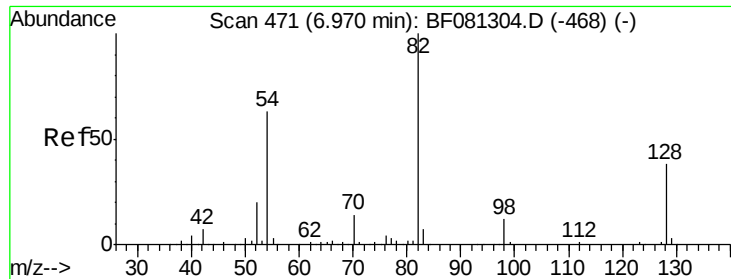
136 100

137 11.2 9.0 13.6

54 12.4 8.2 12.2#

68 5.1 5.8 8.6#

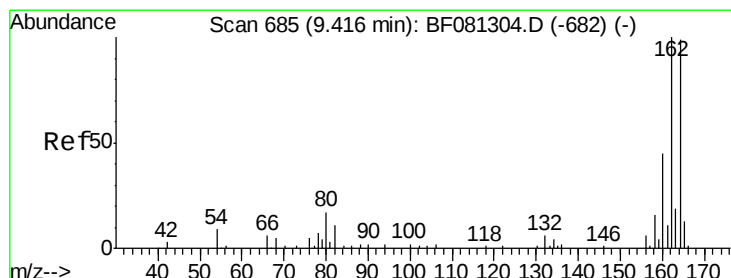
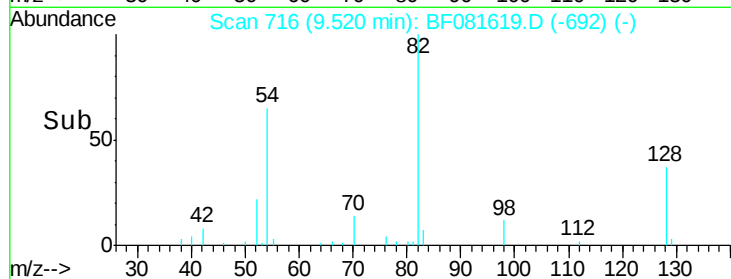
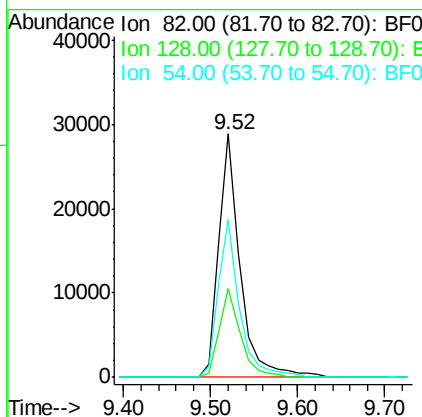
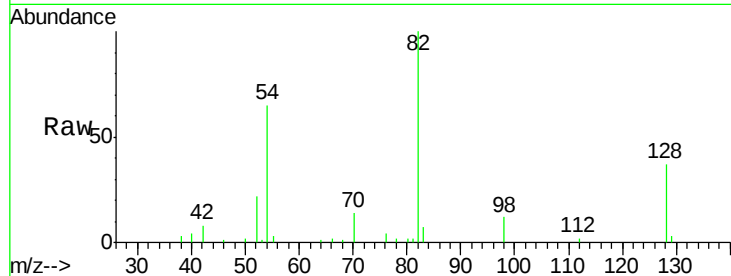




#23
 Nitrobenzene-d5
 Concen: 12.26 ng
 RT: 9.52 min Scan# 716
 Delta R.T. -0.02 min
 Lab File: BF081619.D
 Acq: 14 Sep 2015 21:53

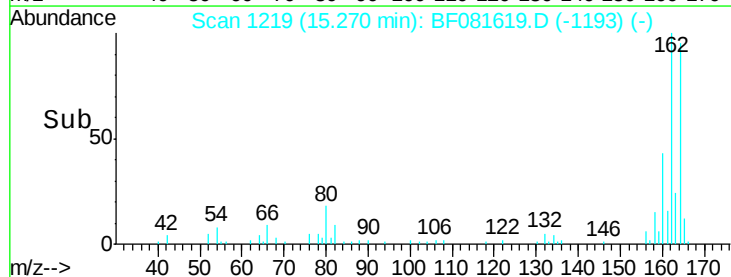
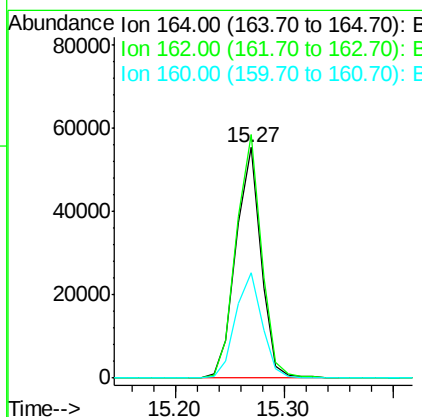
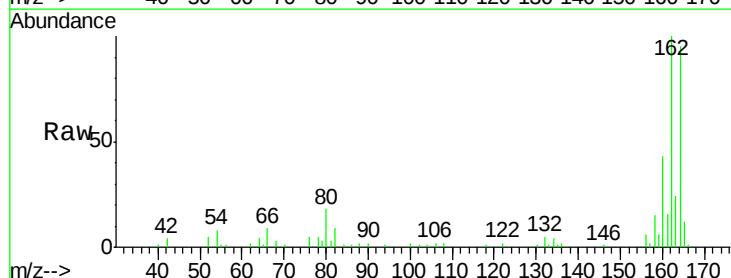
Instrument :
 BNA_F
 ClientSampleId :
 GP-13(0-5)

Tgt Ion: 82 Resp: 50218
 Ion Ratio Lower Upper
 82 100
 128 36.6 51.0 76.6#
 54 64.8 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: BF081619.D
 Acq: 14 Sep 2015 21:53

Tgt Ion: 164 Resp: 88169
 Ion Ratio Lower Upper
 164 100
 162 105.5 75.2 112.8
 160 45.5 31.5 47.3

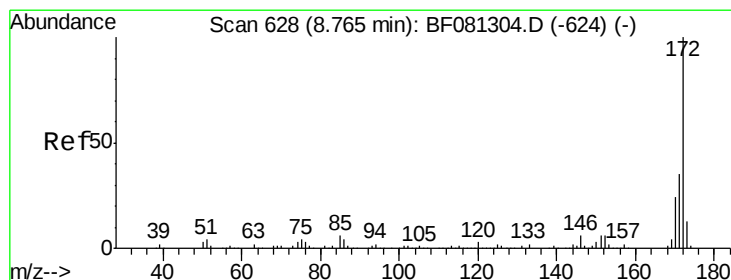
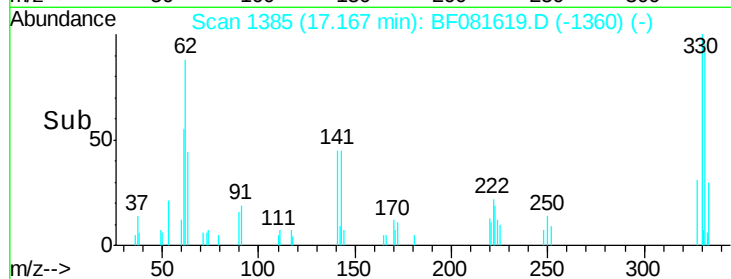
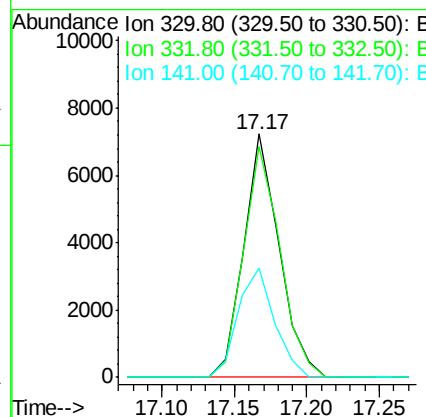
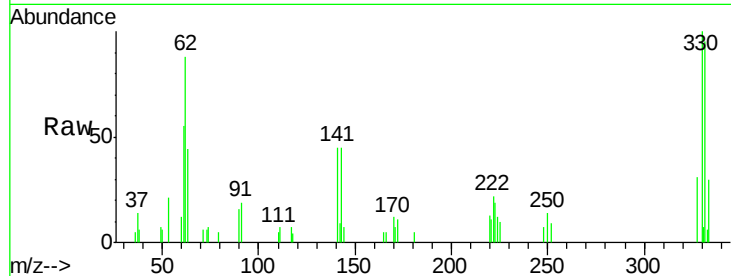




#41
 2,4,6-Tribromophenol
 Concen: 15.65 ng
 RT: 17.17 min Scan# 1385
 Delta R.T. -0.01 min
 Lab File: BF081619.D
 Acq: 14 Sep 2015 21:53

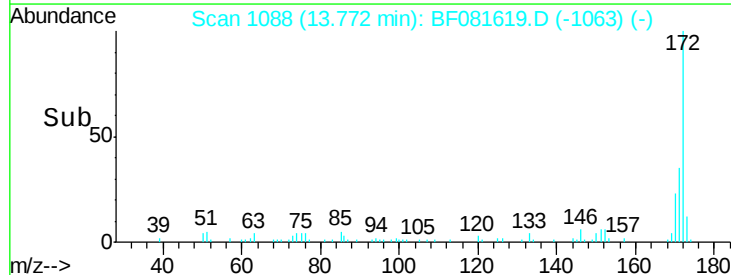
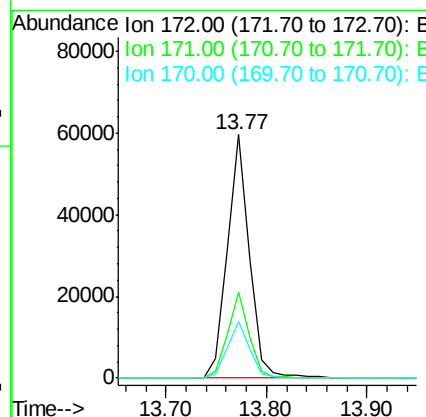
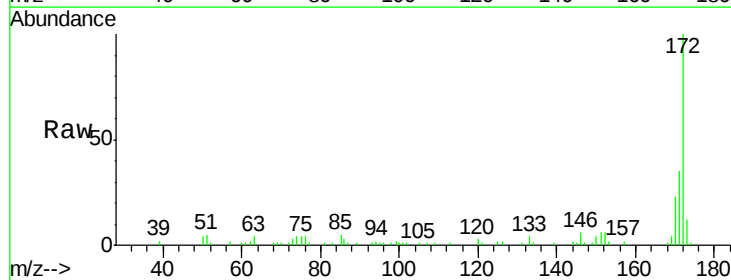
Instrument :
 BNA_F
 ClientSampleId :
 GP-13(0-5)

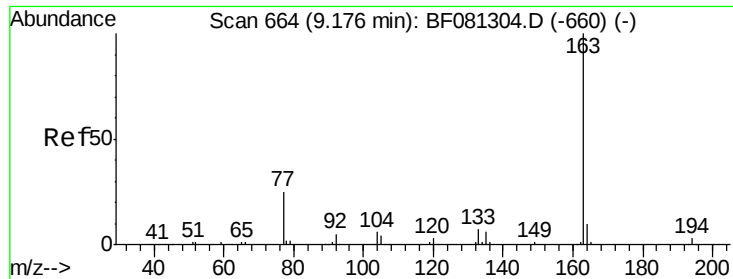
Tgt Ion: 330 Resp: 12288
 Ion Ratio Lower Upper
 330 100
 332 97.7 76.6 114.8
 141 45.8 29.7 44.5#



#44
 2-Fluorobiphenyl
 Concen: 13.19 ng
 RT: 13.77 min Scan# 1088
 Delta R.T. -0.01 min
 Lab File: BF081619.D
 Acq: 14 Sep 2015 21:53

Tgt Ion: 172 Resp: 90744
 Ion Ratio Lower Upper
 172 100
 171 35.3 26.1 39.1
 170 23.2 17.4 26.2





#49

Dimethylphthalate

Concen: 2.73 ng

RT: 14.82 min Scan# 1180

Delta R.T. -0.05 min

Lab File: BF081619.D

Acq: 14 Sep 2015 21:53

Instrument :

BNA_F

ClientSampleId :

GP-13(0-5)

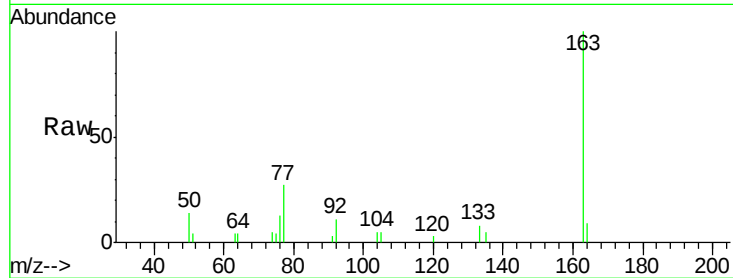
Tgt Ion:163 Resp: 18726

Ion Ratio Lower Upper

163 100

194 0.0 4.4 6.6#

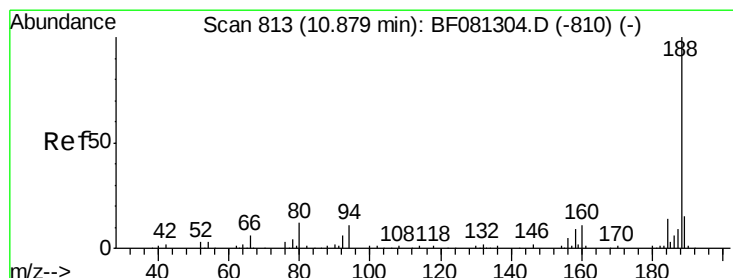
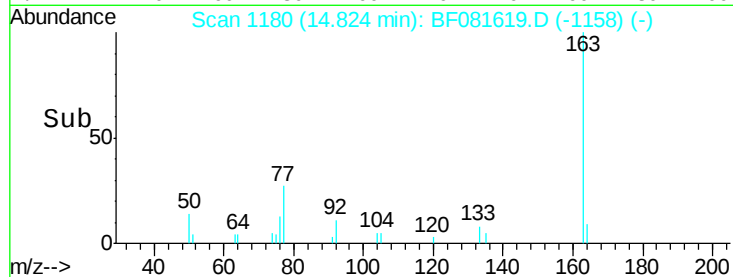
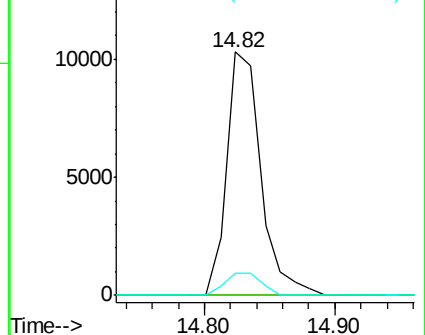
164 9.2 8.3 12.5



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: 18.78 min Scan# 1526

Delta R.T. 0.01 min

Lab File: BF081619.D

Acq: 14 Sep 2015 21:53

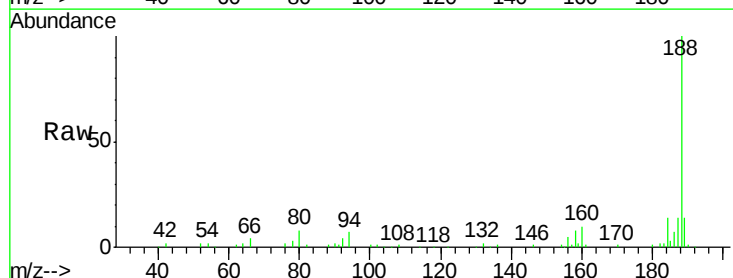
Tgt Ion:188 Resp: 149372

Ion Ratio Lower Upper

188 100

94 7.1 11.1 16.7#

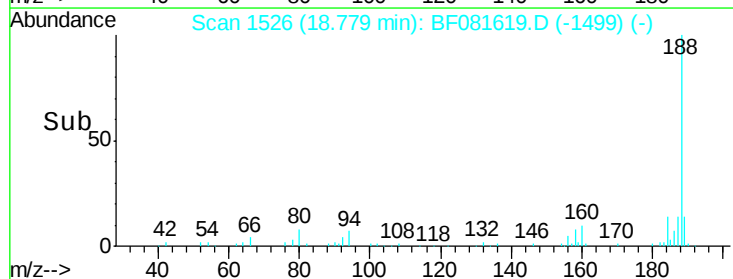
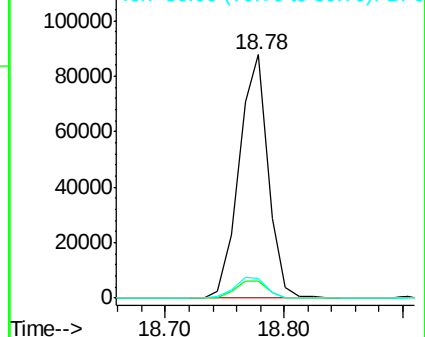
80 8.0 11.0 16.4#

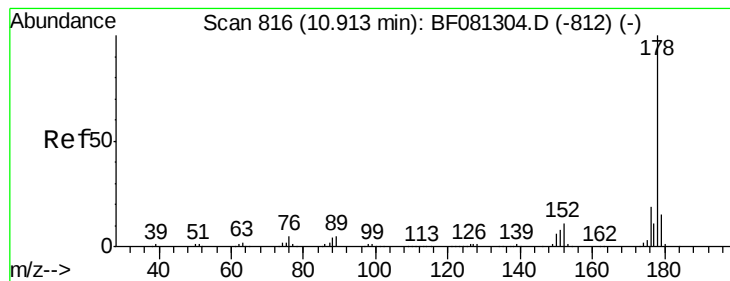


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0





#70

Phenanthrene

Concen: 6.14 ng

RT: 18.82 min Scan# 1530

Delta R.T. -0.01 min

Lab File: BF081619.D

Acq: 14 Sep 2015 21:53

Instrument :

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ClientSampleId :

GP-13(0-5)

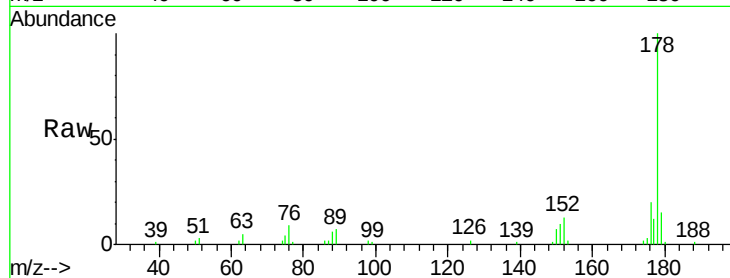
Tgt Ion:178 Resp: 50964

Ion Ratio Lower Upper

178 100

176 19.7 13.8 20.8

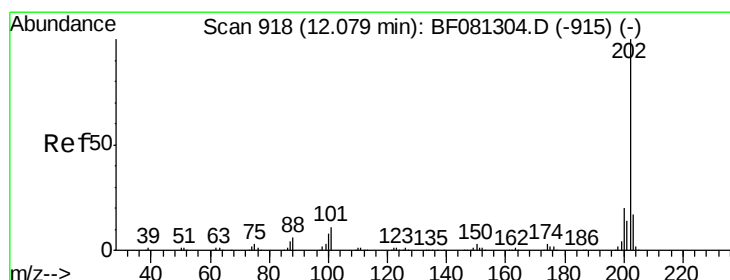
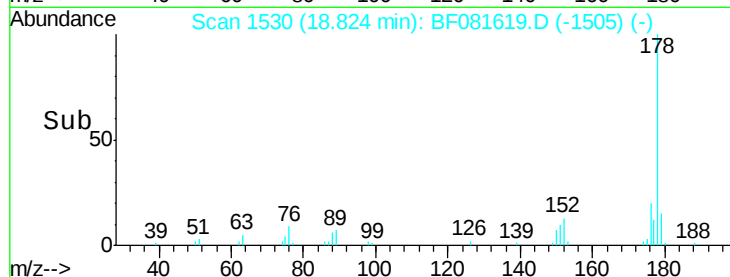
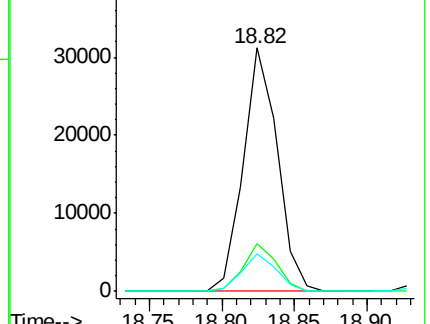
179 15.3 12.2 18.2



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: 11.30 ng

RT: 21.44 min Scan# 1759

Delta R.T. -0.00 min

Lab File: BF081619.D

Acq: 14 Sep 2015 21:53

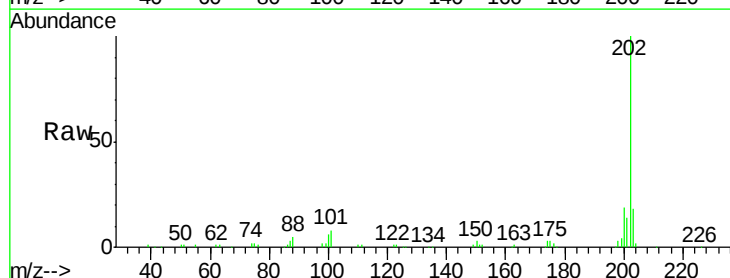
Tgt Ion:202 Resp: 101623

Ion Ratio Lower Upper

202 100

101 8.2 0.0 38.3

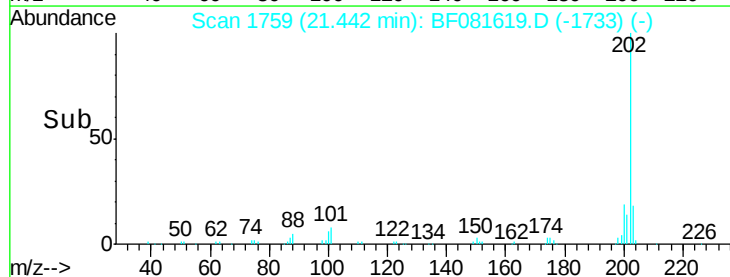
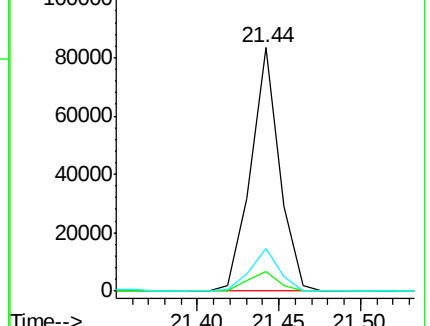
203 17.7 0.0 37.3

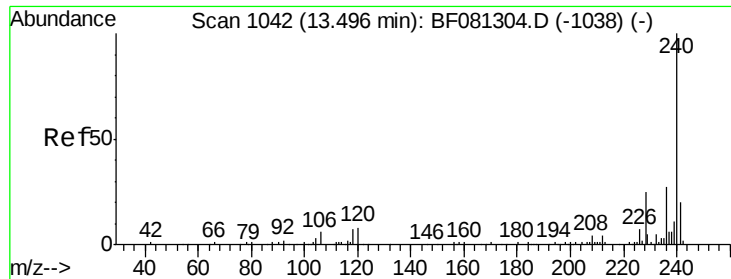


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#75

Chrysene-d12

Concen: 20.00 ng

RT: 23.40 min Scan# 1930

Delta R.T. -0.00 min

Lab File: BF081619.D

Acq: 14 Sep 2015 21:53

Instrument :

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GP-13(0-5)

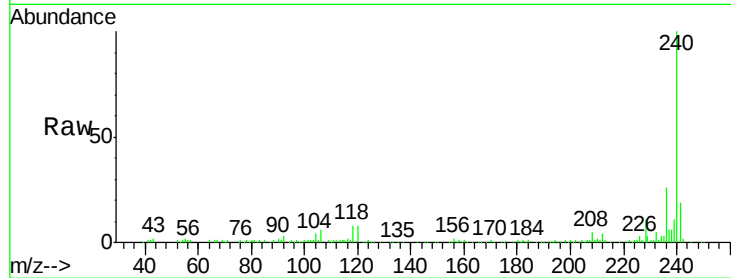
Tgt Ion:240 Resp: 108178

Ion Ratio Lower Upper

240 100

120 8.1 16.2 24.2#

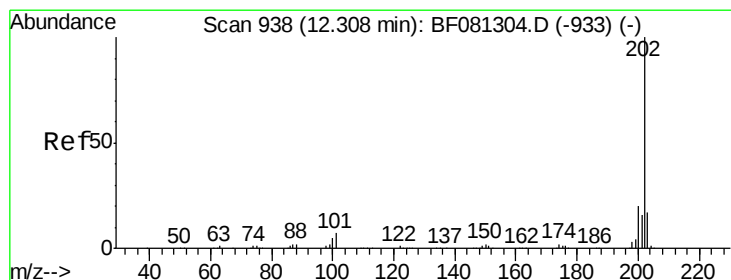
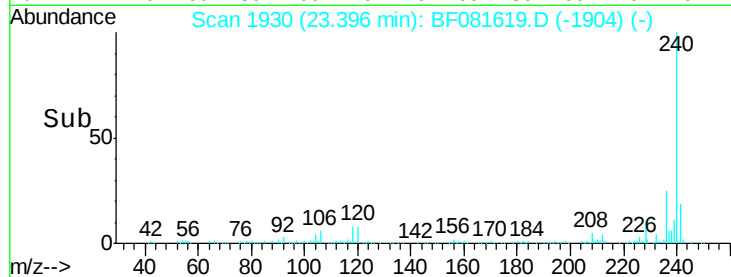
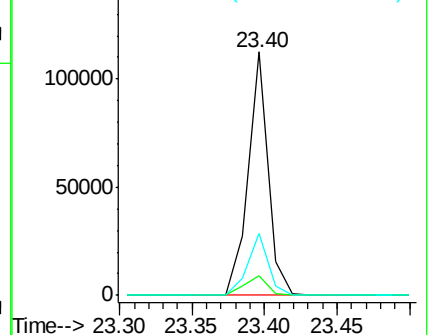
236 25.6 18.4 27.6



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



#77

Pyrene

Concen: 13.43 ng

RT: 21.80 min Scan# 1790

Delta R.T. 0.01 min

Lab File: BF081619.D

Acq: 14 Sep 2015 21:53

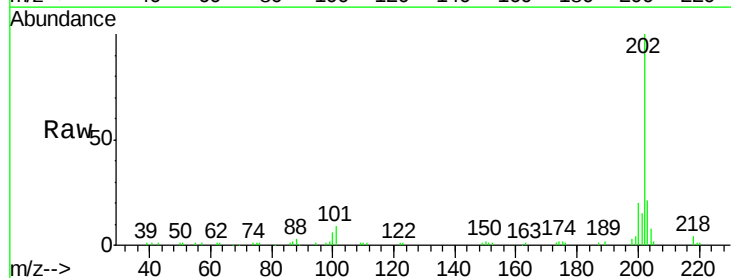
Tgt Ion:202 Resp: 107596

Ion Ratio Lower Upper

202 100

200 19.7 15.0 22.4

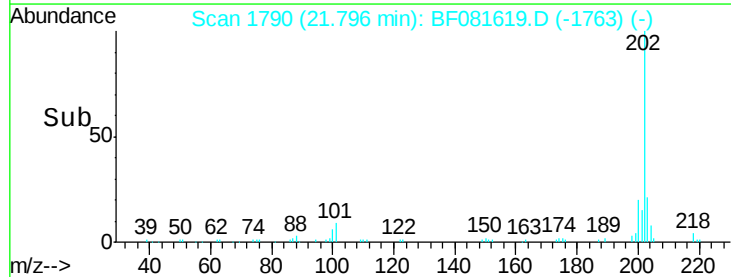
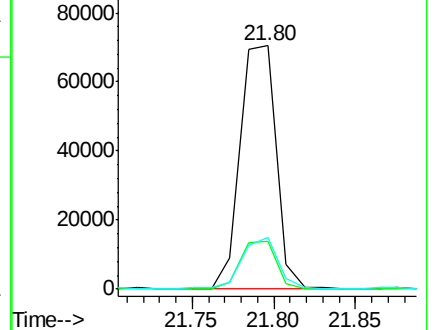
203 21.3 14.1 21.1#

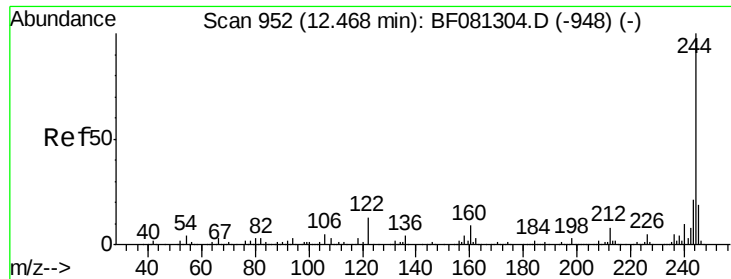


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 11.99 ng

RT: 22.12 min Scan# 1818

Delta R.T. -0.00 min

Lab File: BF081619.D

Acq: 14 Sep 2015 21:53

Instrument :

BNA_F

ClientSampleId :

GP-13(0-5)

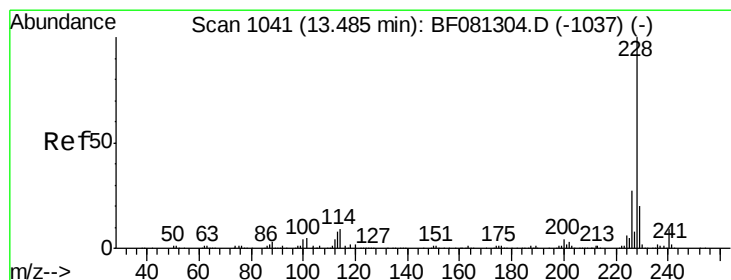
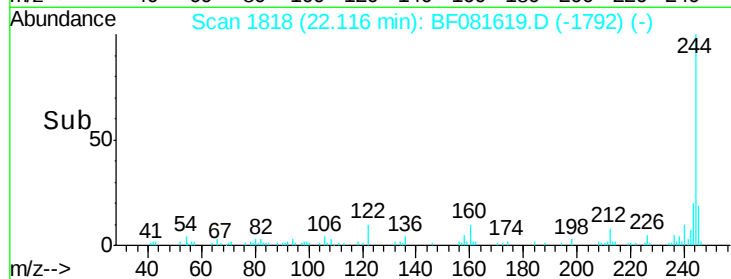
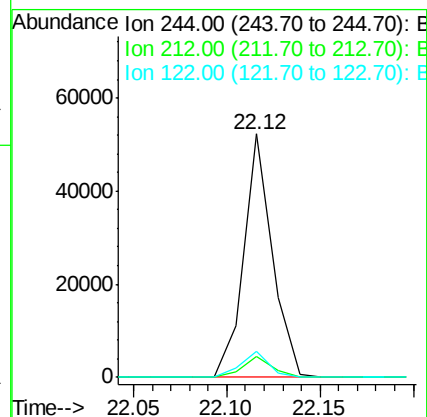
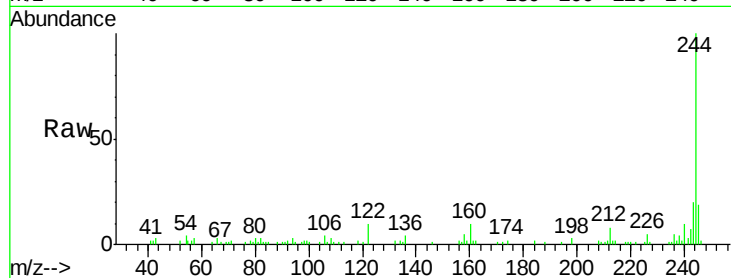
Tgt Ion:244 Resp: 55736

Ion Ratio Lower Upper

244 100

212 8.3 4.3 6.5#

122 10.5 17.4 26.2#



#80

Benzo(a)anthracene

Concen: 7.84 ng

RT: 23.38 min Scan# 1929

Delta R.T. 0.01 min

Lab File: BF081619.D

Acq: 14 Sep 2015 21:53

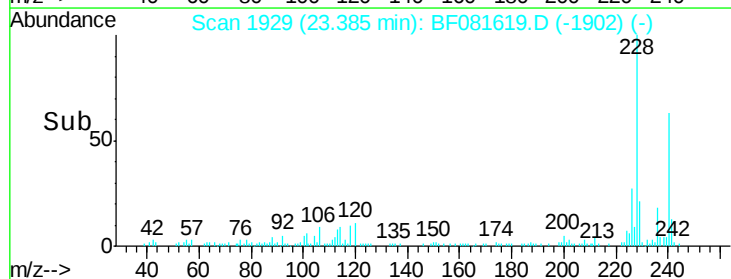
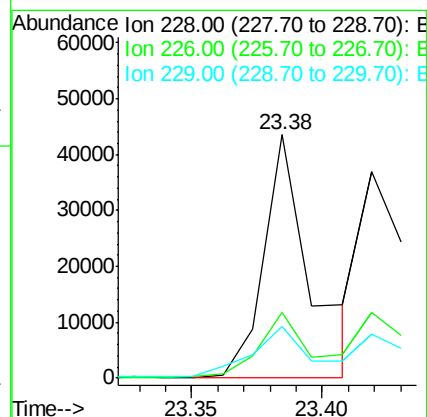
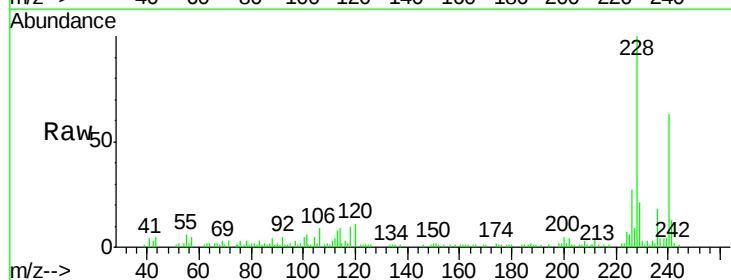
Tgt Ion:228 Resp: 54018

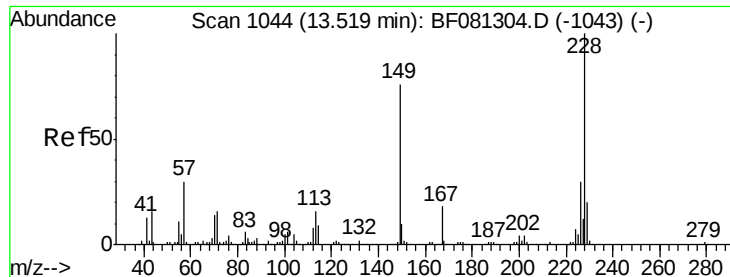
Ion Ratio Lower Upper

228 100

226 26.7 20.0 30.0

229 21.1 15.4 23.2

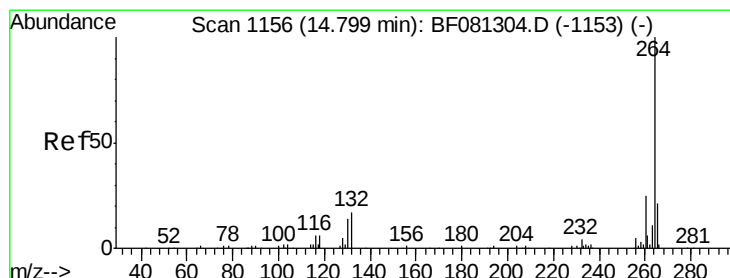
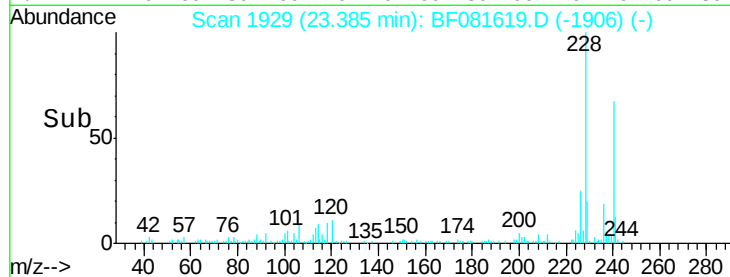
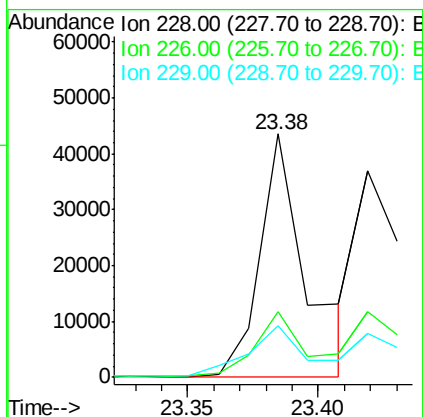
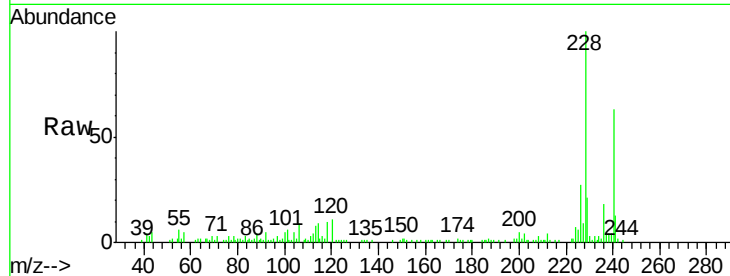




#82
Chrysene
Concen: 8.75 ng
RT: 23.38 min Scan# 1929
Delta R.T. -0.03 min
Lab File: BF081619.D
Acq: 14 Sep 2015 21:53

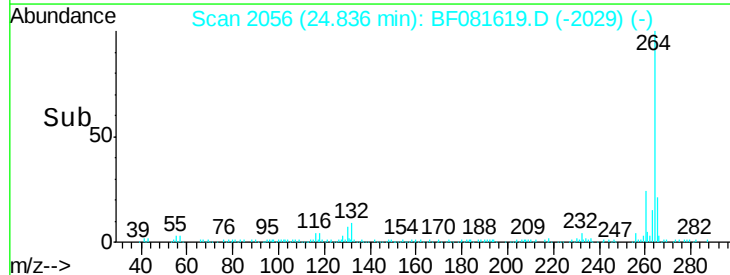
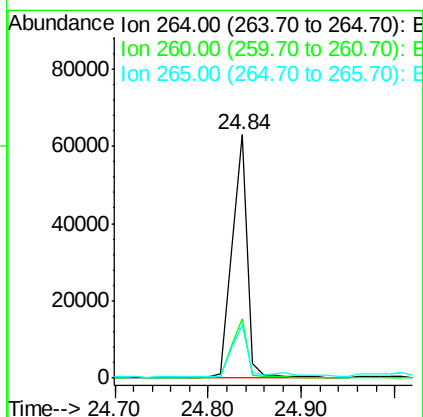
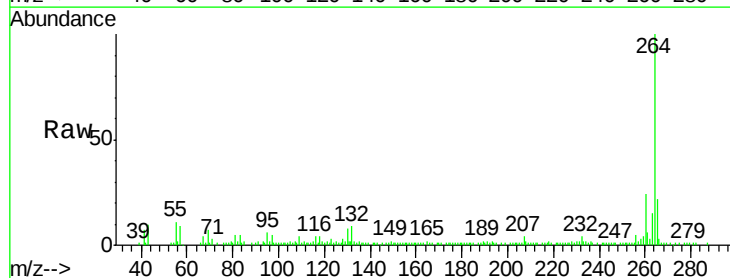
Instrument :
BNA_F
ClientSampleId :
GP-13(0-5)

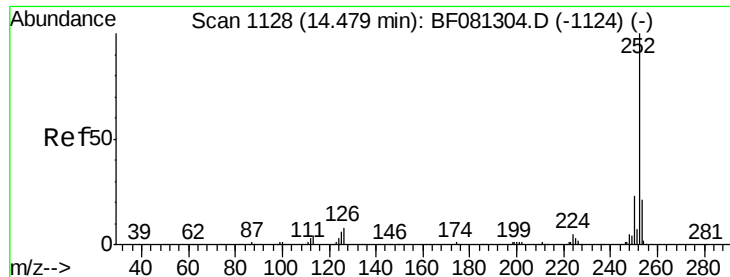
Tgt Ion: 228 Resp: 54018
Ion Ratio Lower Upper
228 100
226 26.7 21.0 31.4
229 21.1 15.6 23.4



#86
Perylene-d12
Concen: 20.00 ng
RT: 24.84 min Scan# 2056
Delta R.T. 0.01 min
Lab File: BF081619.D
Acq: 14 Sep 2015 21:53

Tgt Ion: 264 Resp: 72397
Ion Ratio Lower Upper
264 100
260 24.1 16.7 25.1
265 21.6 17.2 25.8

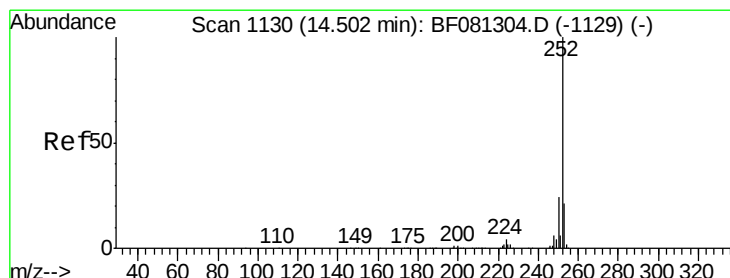
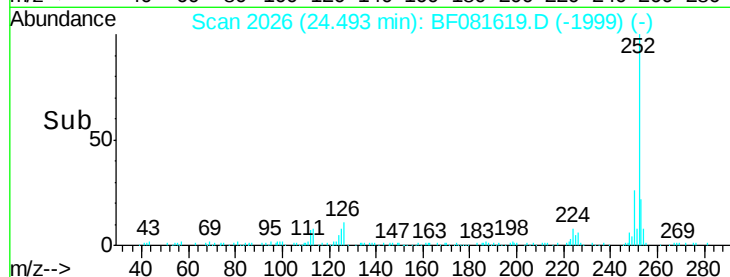
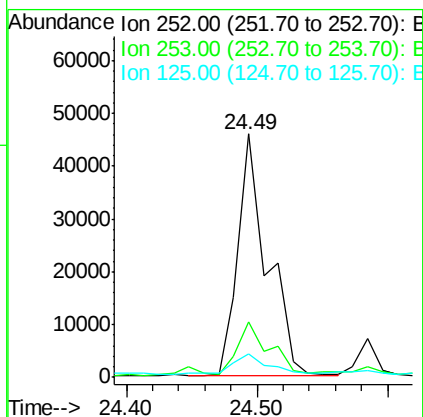
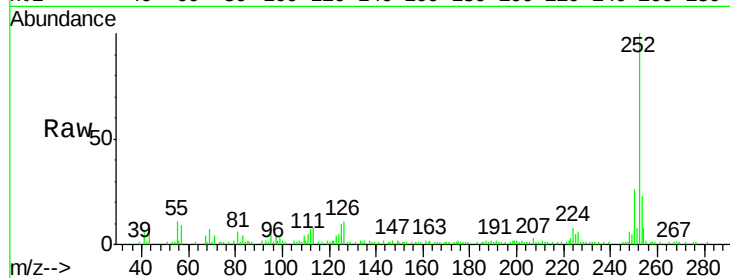




#87
Benzo(b)fluoranthene
Concen: 13.81 ng
RT: 24.49 min Scan# 2026
Delta R.T. 0.01 min
Lab File: BF081619.D
Acq: 14 Sep 2015 21:53

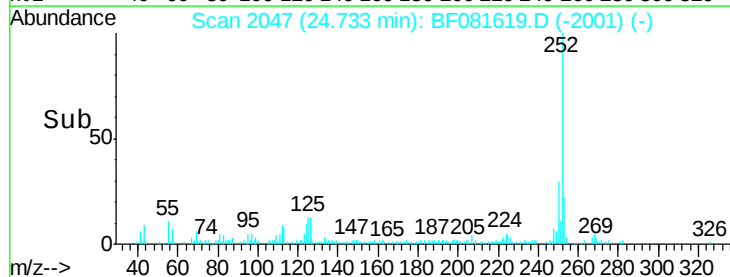
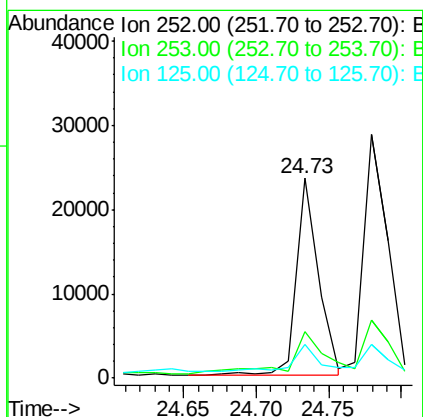
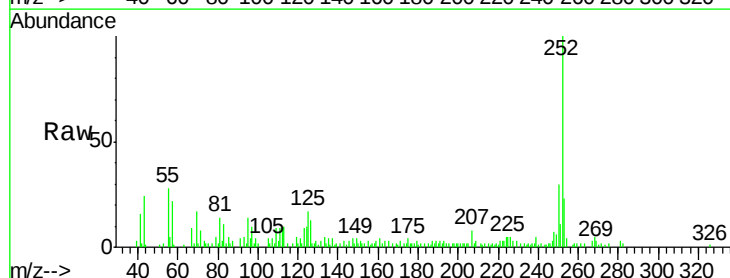
Instrument :
BNA_F
ClientSampleId :
GP-13(0-5)

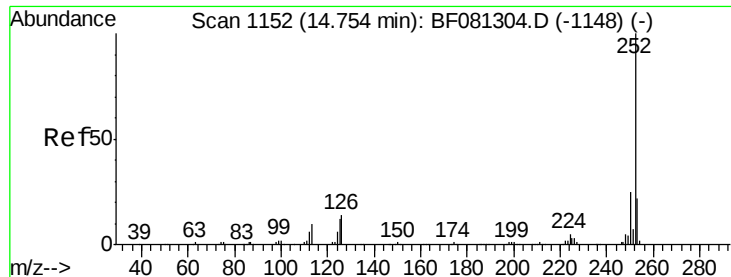
Tgt Ion:252 Resp: 71401
Ion Ratio Lower Upper
252 100
253 22.7 17.5 26.3
125 9.9 17.1 25.7#



#88
Benzo(k)fluoranthene
Concen: 5.80 ng
RT: 24.73 min Scan# 2047
Delta R.T. 0.23 min
Lab File: BF081619.D
Acq: 14 Sep 2015 21:53

Tgt Ion:252 Resp: 24894
Ion Ratio Lower Upper
252 100
253 23.4 17.0 25.4
125 16.6 16.0 24.0

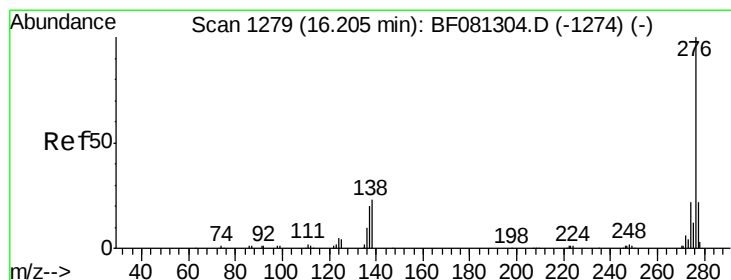
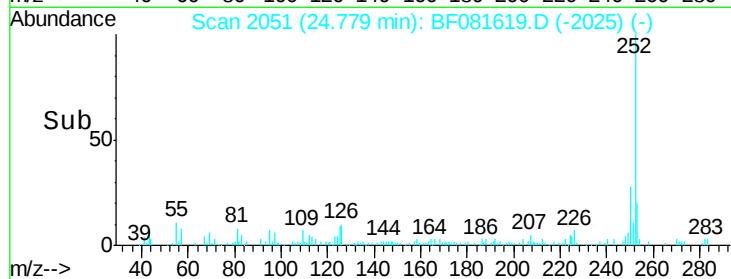
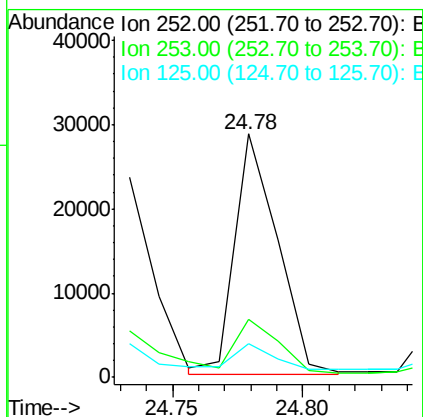
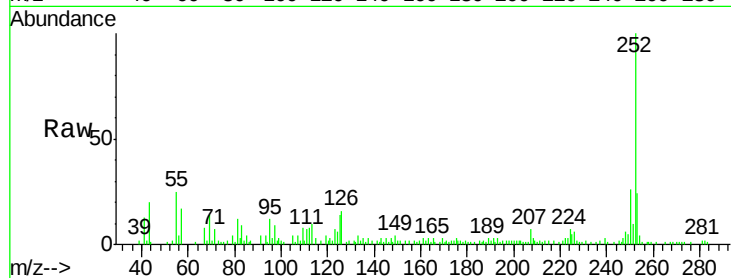




#89
Benzo(a)pyrene
Concen: 7.44 ng
RT: 24.78 min Scan# 2051
Delta R.T. -0.00 min
Lab File: BF081619.D
Acq: 14 Sep 2015 21:53

Instrument :
BNA_F
ClientSampleId :
GP-13(0-5)

Tgt Ion: 252 Resp: 32595
Ion Ratio Lower Upper
252 100
253 23.7 17.2 25.8
125 13.9 18.0 27.0#



#91
Benzo(g,h,i)perylene
Concen: 4.64 ng
RT: 26.20 min Scan# 2175
Delta R.T. 0.01 min
Lab File: BF081619.D
Acq: 14 Sep 2015 21:53

Tgt Ion: 276 Resp: 15003
Ion Ratio Lower Upper
276 100
277 29.5 17.8 26.6#
138 20.6 34.6 51.8#

