

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF091715\
 Data File : BF081689.D
 Acq On : 17 Sep 2015 21:20
 Operator : UM/IZ
 Sample : G3664-01
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

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

Quant Time: Sep 18 07:05:46 2015
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF090115.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Sep 15 14:03:59 2015
 Response via : Initial Calibration

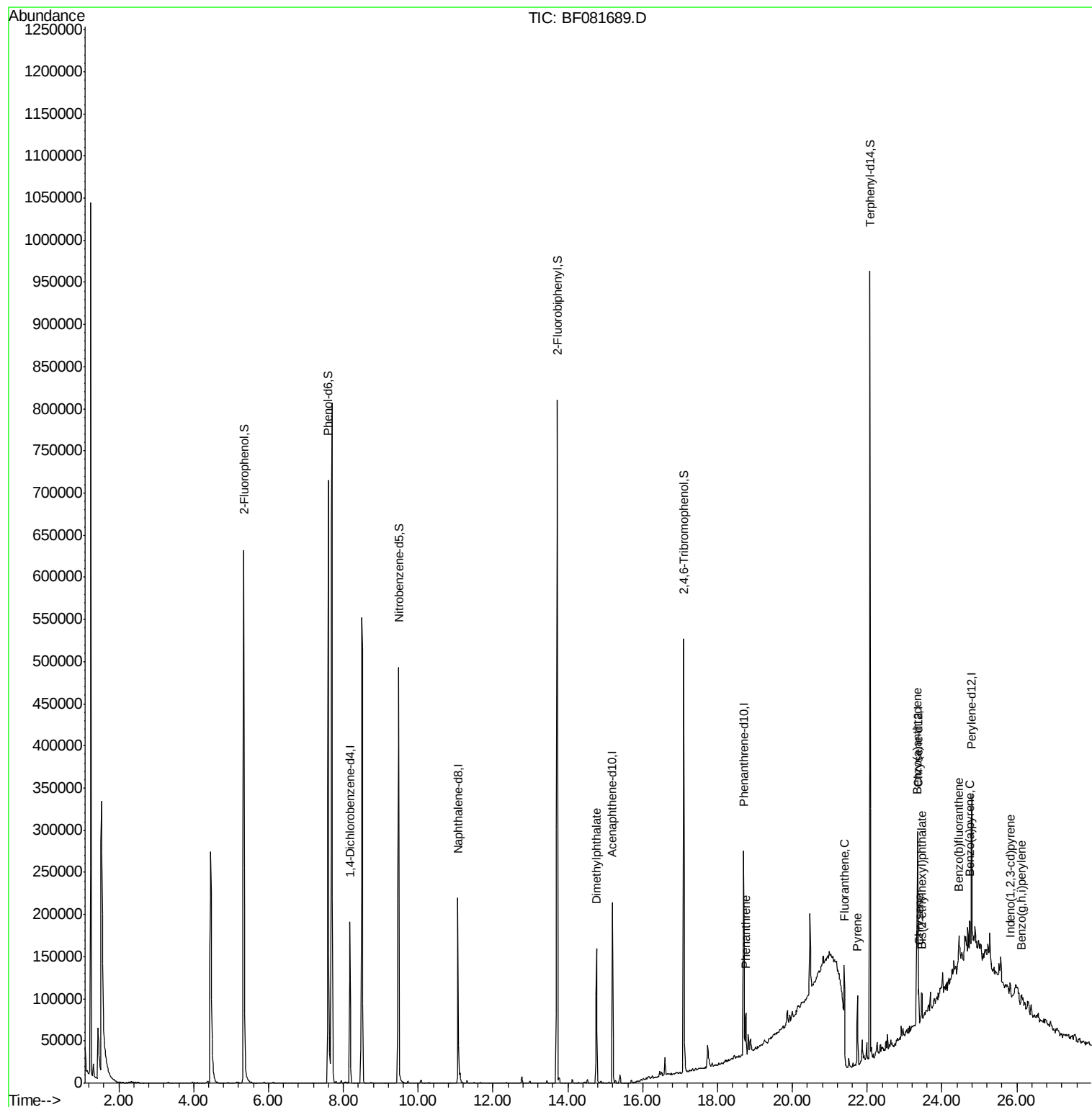
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.17	152	46318	20.00	ng	-0.04
21) Naphthalene-d8	11.07	136	178001	20.00	ng	-0.06
38) Acenaphthene-d10	15.19	164	81779	20.00	ng	-0.07
63) Phenanthrene-d10	18.70	188	162226	20.00	ng	-0.06
75) Chrysene-d12	23.35	240	94635	20.00	ng	-0.03
86) Perylene-d12	24.79	264	80758	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.34	112	319116	106.89	ng	0.00
7) Phenol-d6	7.60	99	448446	113.48	ng	-0.04
23) Nitrobenzene-d5	9.48	82	299384	81.15	ng	-0.06
41) 2,4,6-Tribromophenol	17.10	330	86107	118.25	ng	-0.07
44) 2-Fluorobiphenyl	13.72	172	469801	73.62	ng	-0.06
78) Terphenyl-d14	22.07	244	343303	84.45	ng	-0.04
Target Compounds						Qvalue
49) Dimethylphthalate	14.77	163	105110	16.54	ng	# 96
70) Phenanthrene	18.76	178	37131	4.12	ng	97
74) Fluoranthene	21.39	202	48291	4.95	ng	90
77) Pyrene	21.74	202	41504	5.92	ng	95
80) Benzo(a)anthracene	23.34	228	14185	2.35	ng	95
82) Chrysene	23.37	228	15760m	2.92	ng	
83) Bis(2-ethylhexyl)phthalate	23.47	149	11651	2.90	ng	# 90
85) Indeno(1,2,3-cd)pyrene	25.82	276	8499	2.14	ng	# 76
87) Benzo(b)fluoranthene	24.45	252	15742m	2.73	ng	
89) Benzo(a)pyrene	24.73	252	10885m	2.23	ng	
91) Benzo(g,h,i)perylene	26.13	276	7843	2.18	ng	# 69

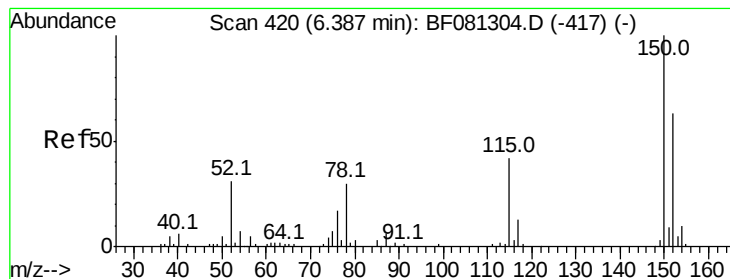
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 8.17 min Scan# 620

Delta R.T. -0.04 min

Lab File: BF081689.D

Acq: 17 Sep 2015 21:20

Instrument :

BNA_F

ClientSampleId :

GP-1(0-5)

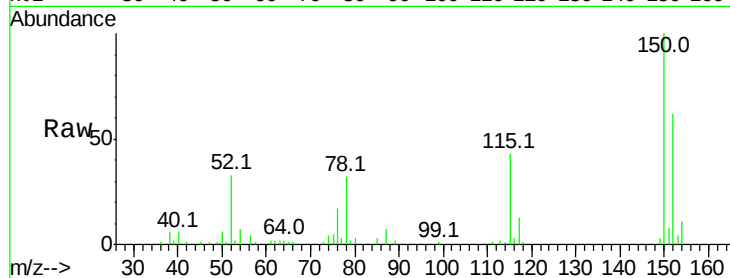
Tgt Ion:152 Resp: 46318

Ion Ratio Lower Upper

152 100

150 161.8 124.7 187.1

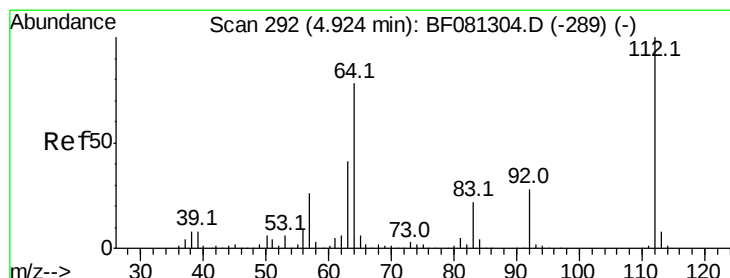
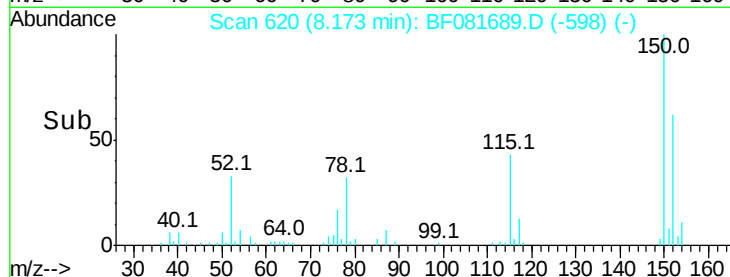
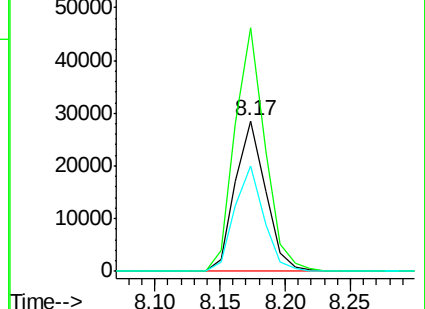
115 70.3 39.0 58.4#



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: 106.89 ng

RT: 5.34 min Scan# 372

Delta R.T. -0.01 min

Lab File: BF081689.D

Acq: 17 Sep 2015 21:20

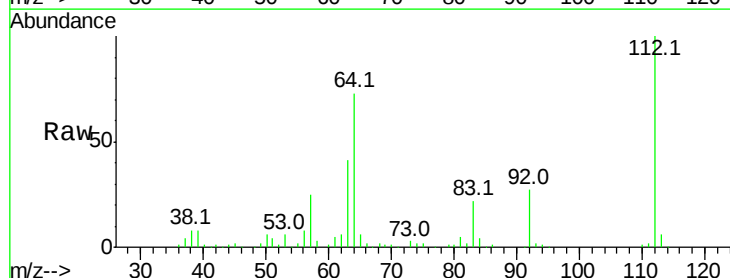
Tgt Ion:112 Resp: 319116

Ion Ratio Lower Upper

112 100

64 72.7 39.7 59.5#

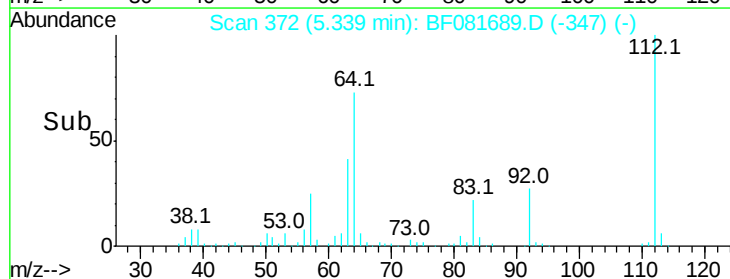
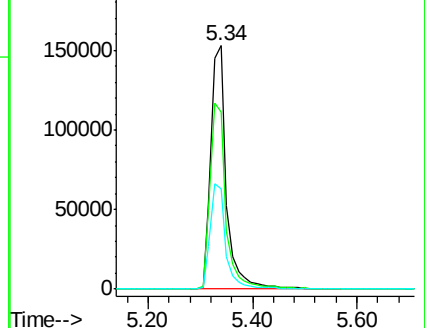
63 41.4 17.4 26.0#

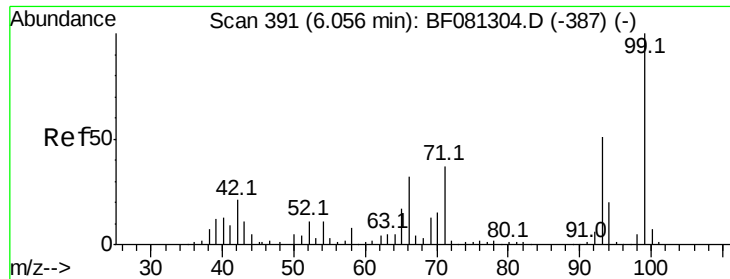


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 113.48 ng

RT: 7.60 min Scan# 570

Delta R.T. -0.04 min

Lab File: BF081689.D

Acq: 17 Sep 2015 21:20

Instrument :

BNA_F

ClientSampleId :

GP-1(0-5)

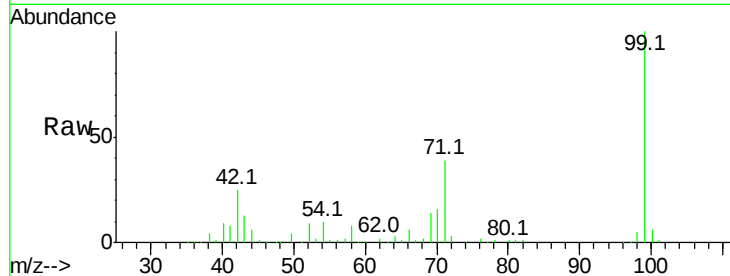
Tgt Ion: 99 Resp: 448446

Ion Ratio Lower Upper

99 100

42 25.3 13.7 20.5#

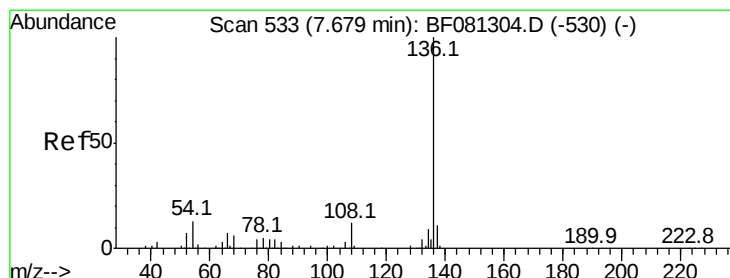
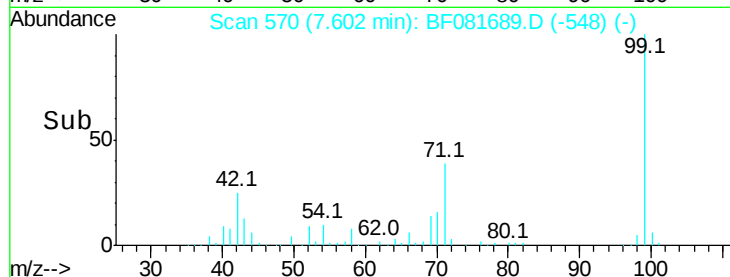
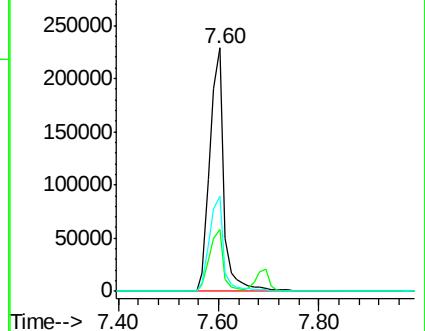
71 39.1 14.2 21.2#



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: 11.07 min Scan# 873

Delta R.T. -0.06 min

Lab File: BF081689.D

Acq: 17 Sep 2015 21:20

Tgt Ion: 136 Resp: 178001

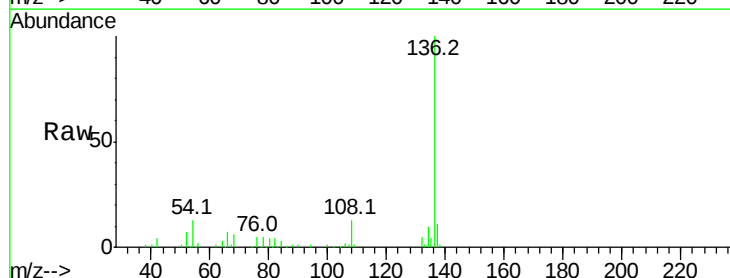
Ion Ratio Lower Upper

136 100

137 10.6 9.0 13.6

54 12.9 8.2 12.2#

68 5.8 5.8 8.6#

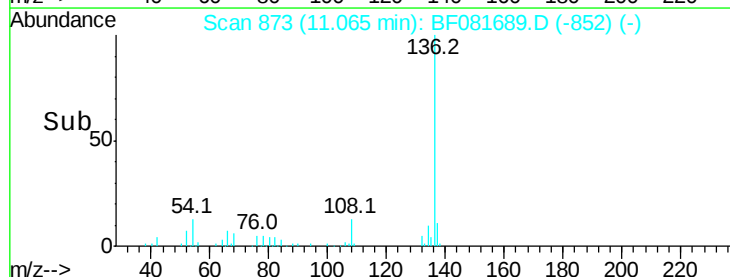
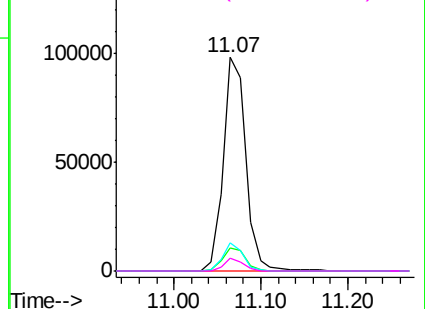


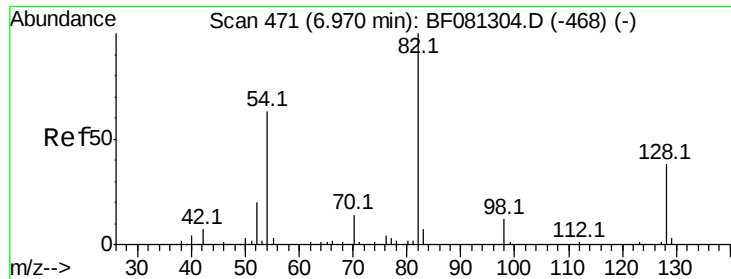
Abundance Ion 136.00 (135.70 to 136.70): E

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

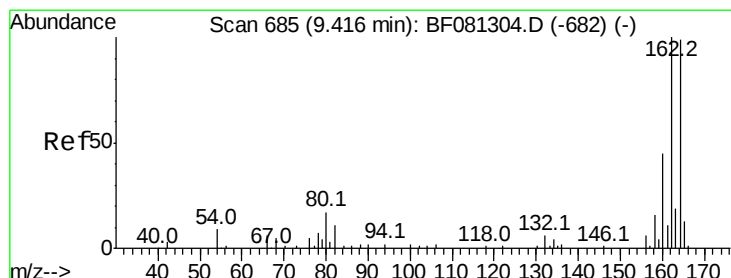
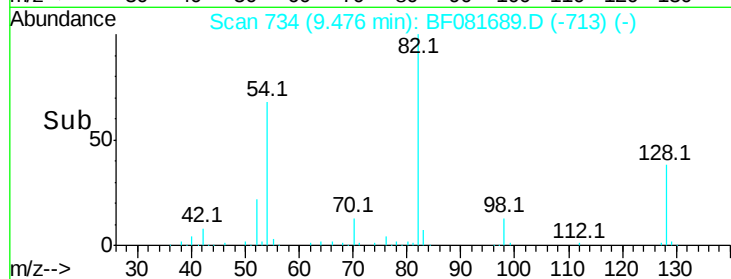
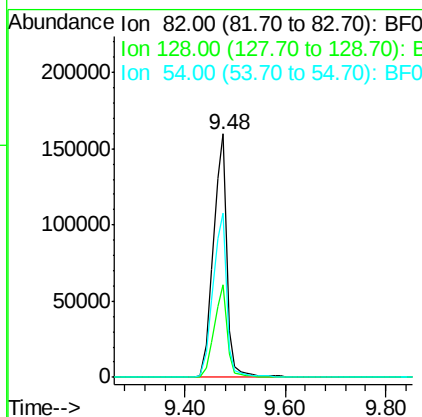
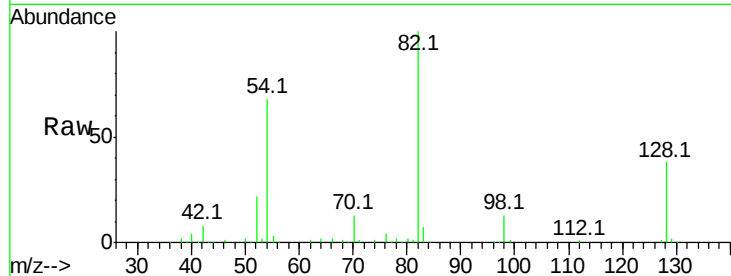




#23
 Nitrobenzene-d5
 Concen: 81.15 ng
 RT: 9.48 min Scan# 734
 Delta R.T. -0.06 min
 Lab File: BF081689.D
 Acq: 17 Sep 2015 21:20

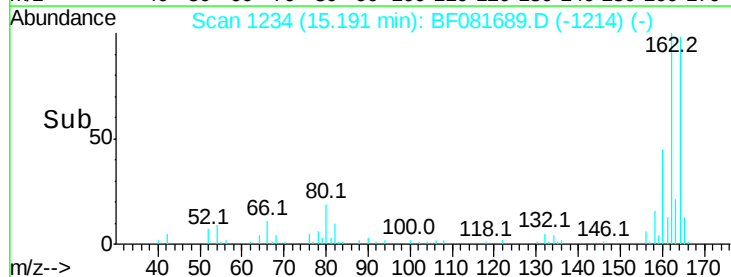
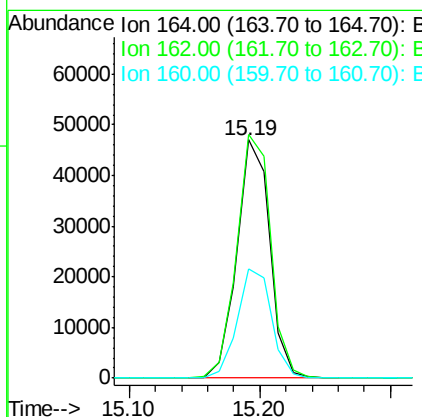
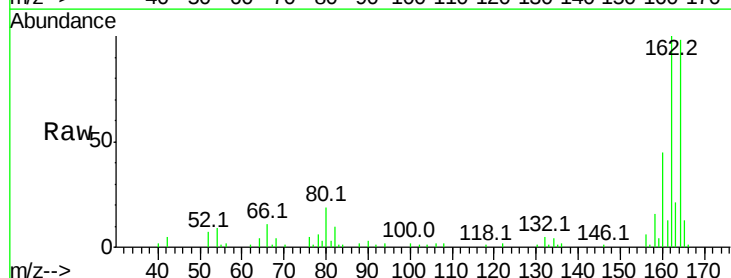
Instrument :
 BNA_F
 ClientSampleId :
 GP-1(0-5)

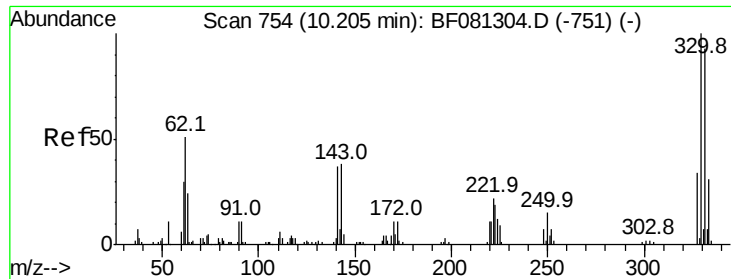
Tgt Ion: 82 Resp: 299384
 Ion Ratio Lower Upper
 82 100
 128 37.8 51.0 76.6#
 54 67.7 47.5 71.3



#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 15.19 min Scan# 1234
 Delta R.T. -0.07 min
 Lab File: BF081689.D
 Acq: 17 Sep 2015 21:20

Tgt Ion: 164 Resp: 81779
 Ion Ratio Lower Upper
 164 100
 162 102.3 75.2 112.8
 160 45.8 31.5 47.3

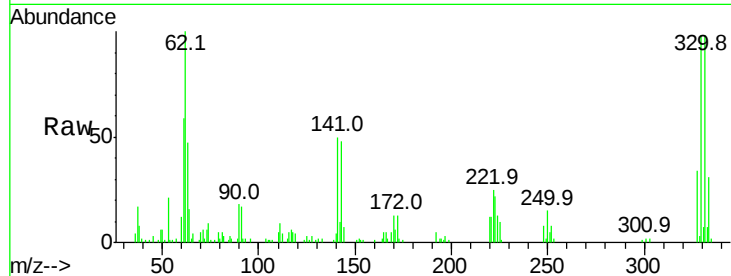




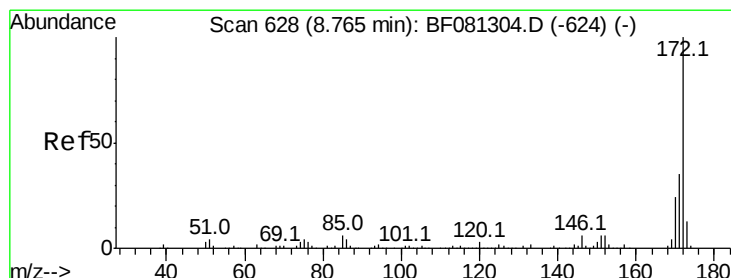
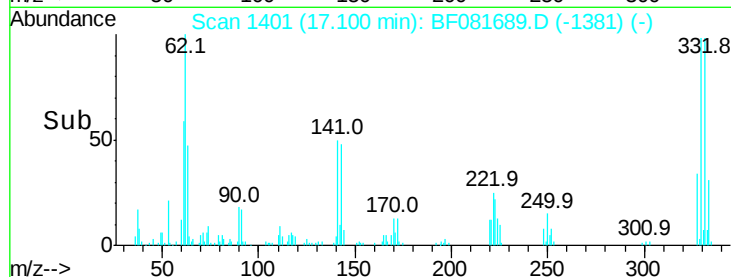
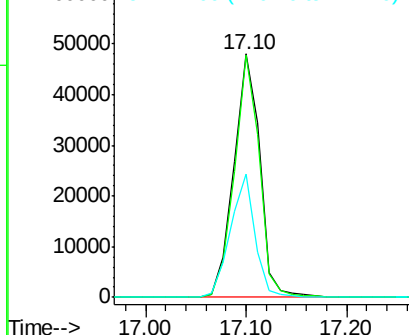
#41
 2,4,6-Tribromophenol
 Concen: 118.25 ng
 RT: 17.10 min Scan# 1401
 Delta R.T. -0.07 min
 Lab File: BF081689.D
 Acq: 17 Sep 2015 21:20

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

Tgt Ion:330 Resp: 86107
 Ion Ratio Lower Upper
 330 100
 332 95.7 76.6 114.8
 141 48.2 29.7 44.5#

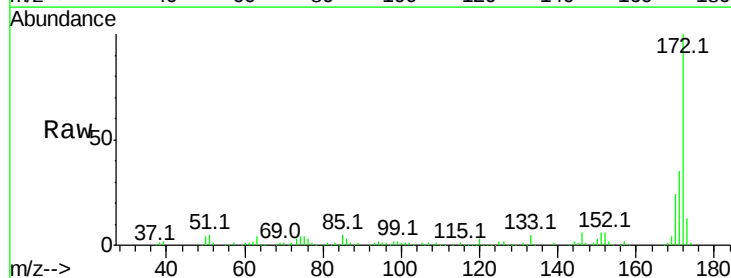


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

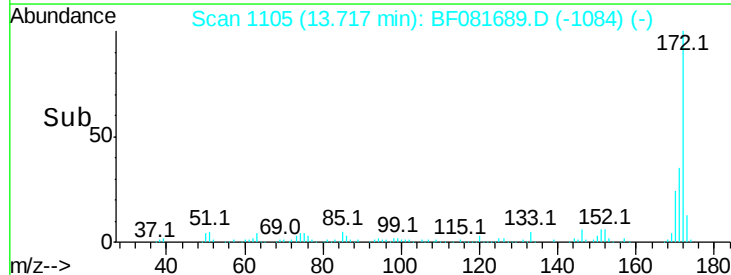
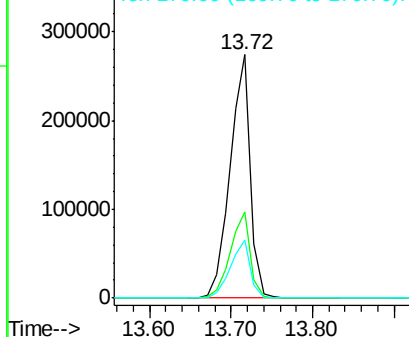


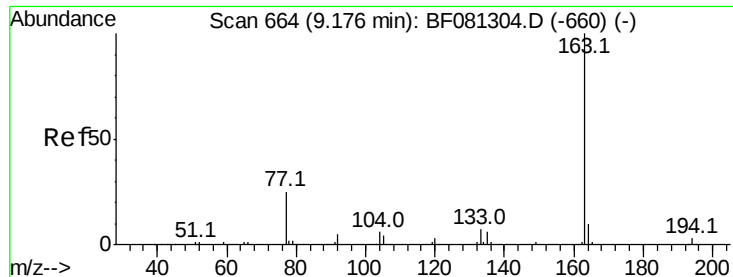
#44
 2-Fluorobiphenyl
 Concen: 73.62 ng
 RT: 13.72 min Scan# 1105
 Delta R.T. -0.06 min
 Lab File: BF081689.D
 Acq: 17 Sep 2015 21:20

Tgt Ion:172 Resp: 469801
 Ion Ratio Lower Upper
 172 100
 171 35.4 26.1 39.1
 170 24.1 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: 16.54 ng

RT: 14.77 min Scan# 1197

Delta R.T. -0.09 min

Lab File: BF081689.D

Acq: 17 Sep 2015 21:20

Instrument :

BNA_F

ClientSampleId :

GP-1(0-5)

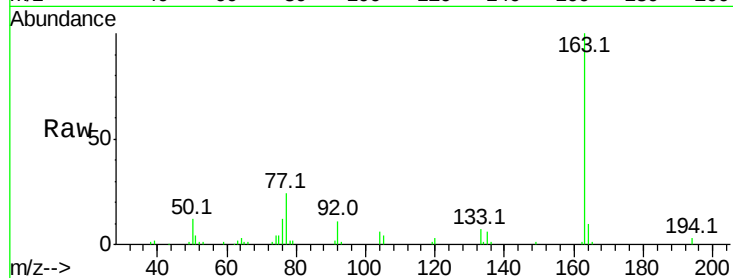
Tgt Ion:163 Resp: 105110

Ion Ratio Lower Upper

163 100

194 3.0 4.4 6.6#

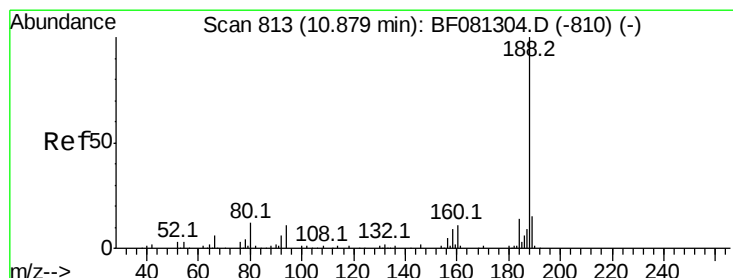
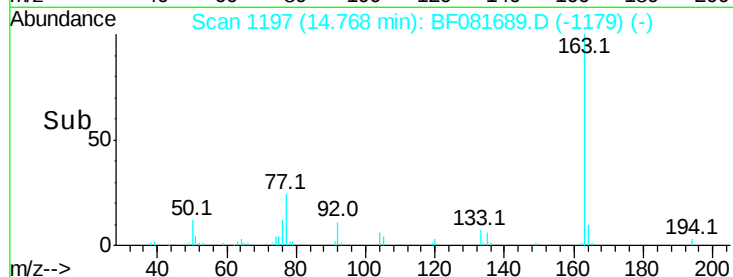
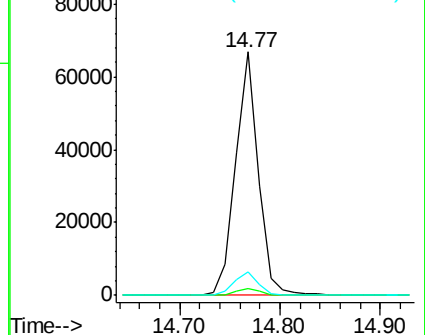
164 9.8 8.3 12.5



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

RT: 18.70 min Scan# 1541

Delta R.T. -0.06 min

Lab File: BF081689.D

Acq: 17 Sep 2015 21:20

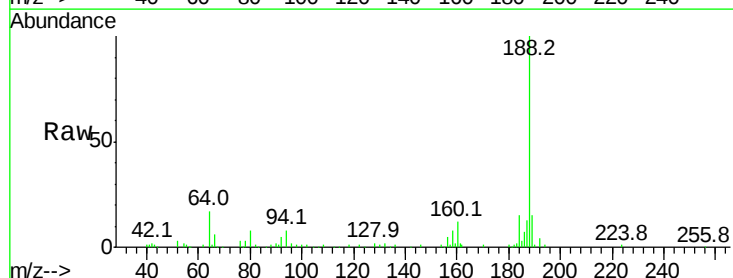
Tgt Ion:188 Resp: 162226

Ion Ratio Lower Upper

188 100

94 7.8 11.1 16.7#

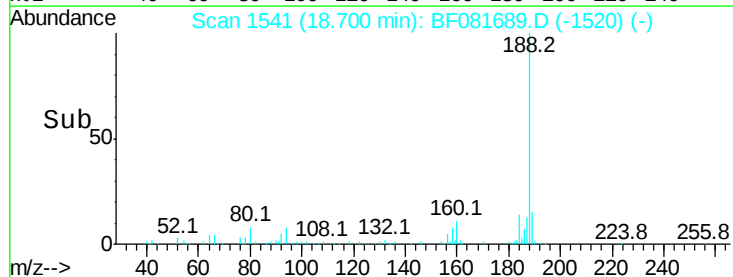
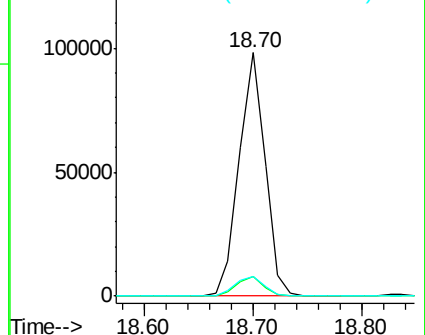
80 8.2 11.0 16.4#

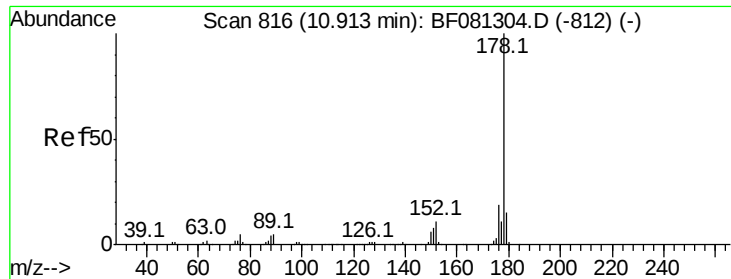


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0





#70

Phenanthrene

Concen: 4.12 ng

RT: 18.76 min Scan# 1546

Delta R.T. -0.07 min

Lab File: BF081689.D

Acq: 17 Sep 2015 21:20

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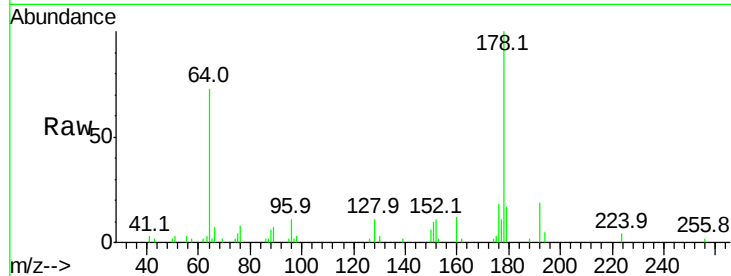
Tgt Ion:178 Resp: 37131

Ion Ratio Lower Upper

178 100

176 18.2 13.8 20.8

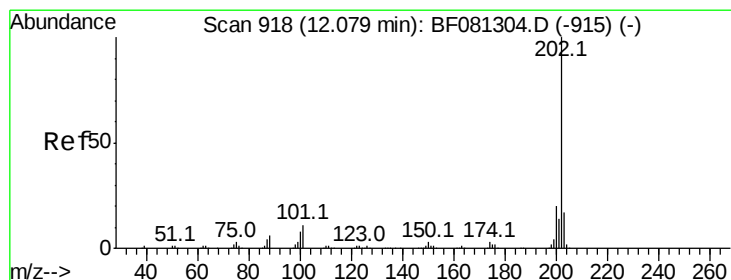
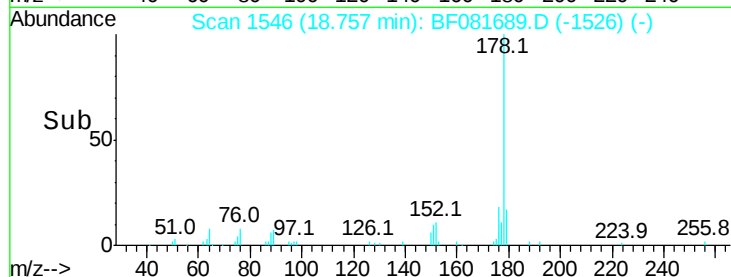
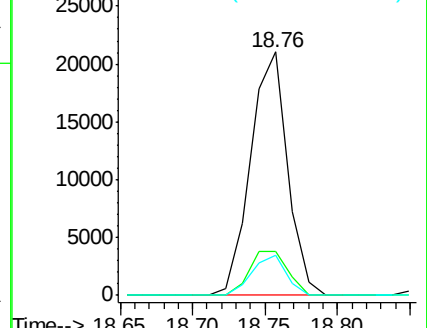
179 16.6 12.2 18.2



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: 4.95 ng

RT: 21.39 min Scan# 1776

Delta R.T. -0.04 min

Lab File: BF081689.D

Acq: 17 Sep 2015 21:20

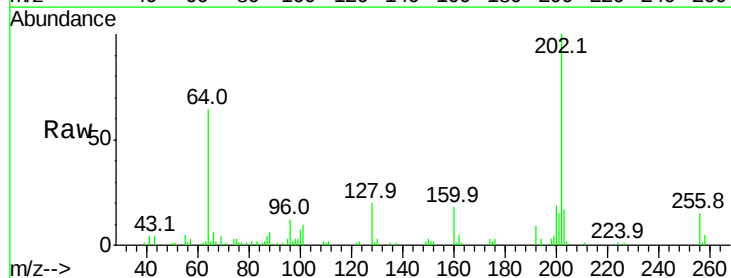
Tgt Ion:202 Resp: 48291

Ion Ratio Lower Upper

202 100

101 10.1 0.0 38.3

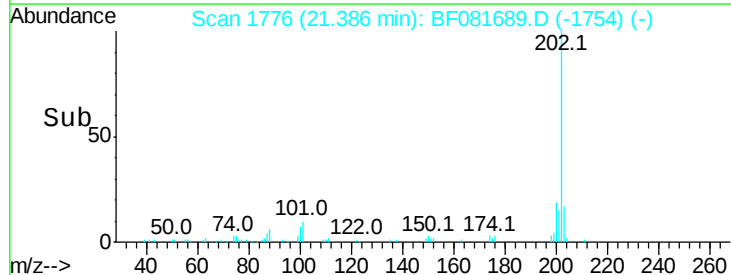
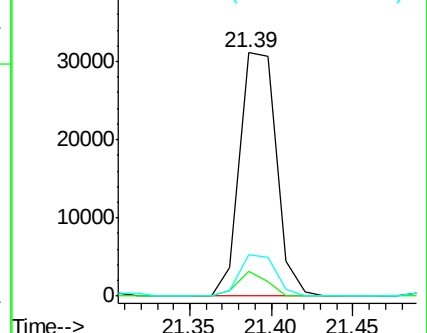
203 16.9 0.0 37.3

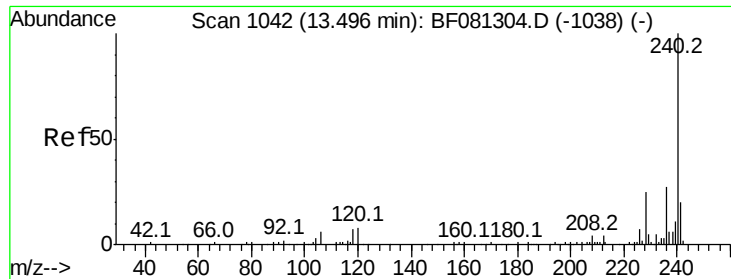


Abundance Ion 202.00 (201.70 to 202.70): E

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: 23.35 min Scan# 1948

Delta R.T. -0.03 min

Lab File: BF081689.D

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GP-1(0-5)

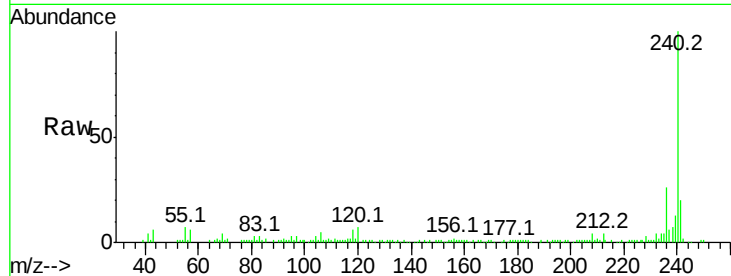
Tgt Ion:240 Resp: 94635

Ion Ratio Lower Upper

240 100

120 6.6 16.2 24.2#

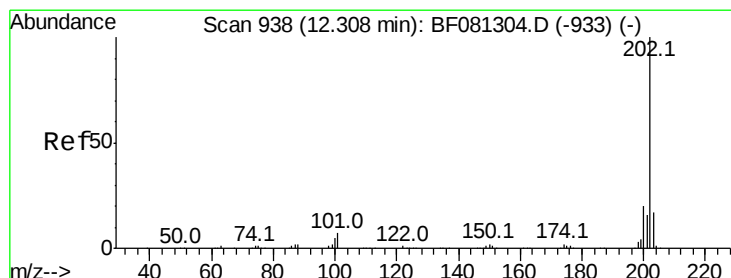
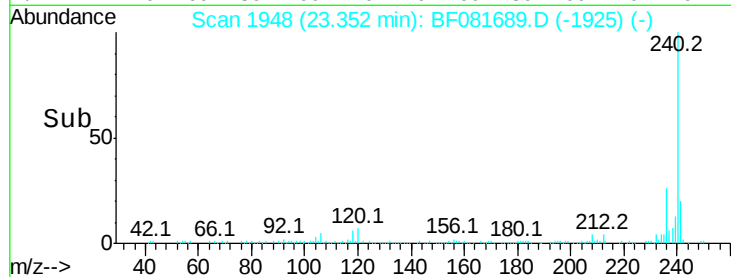
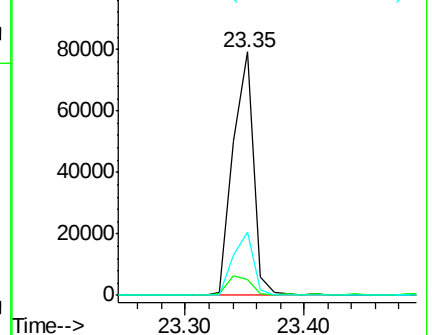
236 26.0 18.4 27.6



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: 5.92 ng

RT: 21.74 min Scan# 1807

Delta R.T. -0.04 min

Lab File: BF081689.D

Acq: 17 Sep 2015 21:20

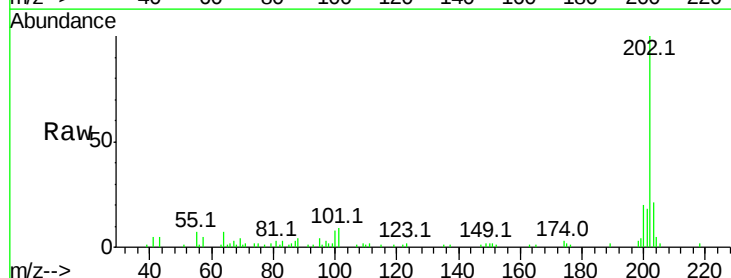
Tgt Ion:202 Resp: 41504

Ion Ratio Lower Upper

202 100

200 19.9 15.0 22.4

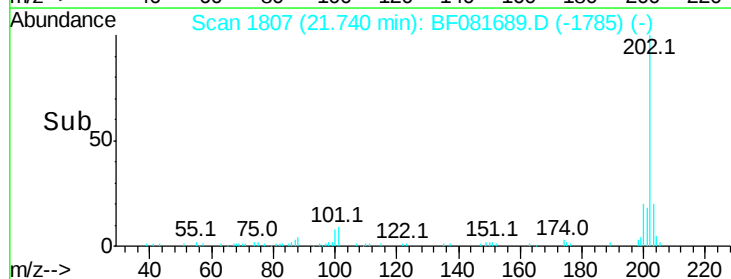
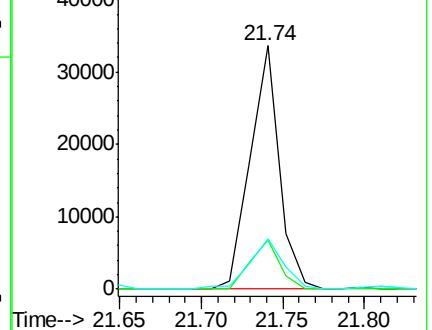
203 20.8 14.1 21.1

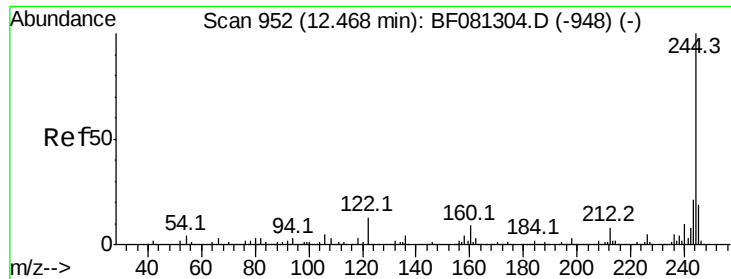


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 84.45 ng

RT: 22.07 min Scan# 1836

Delta R.T. -0.04 min

Lab File: BF081689.D

Acq: 17 Sep 2015 21:20

Instrument :

BNA_F

ClientSampleId :

GP-1(0-5)

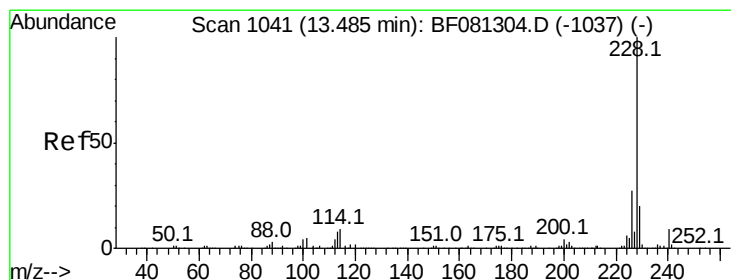
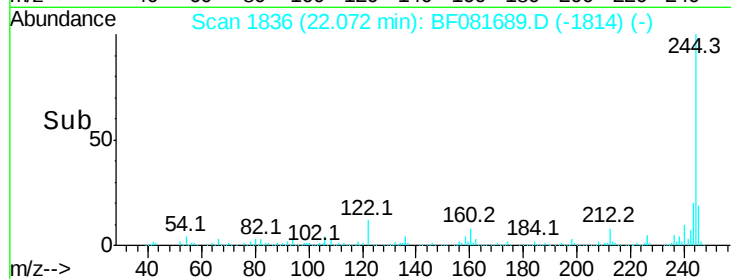
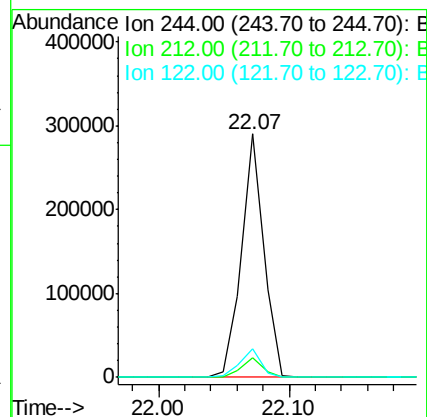
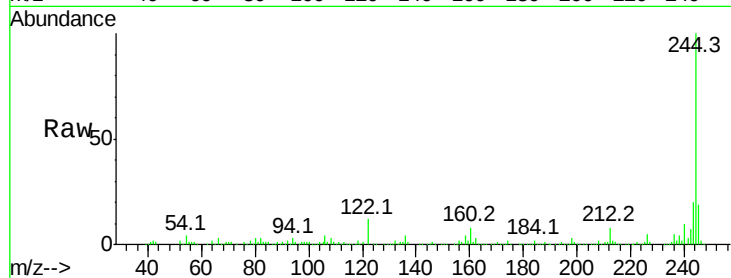
Tgt Ion:244 Resp: 343303

Ion Ratio Lower Upper

244 100

212 8.0 4.3 6.5#

122 11.8 17.4 26.2#



#80

Benzo(a)anthracene

Concen: 2.35 ng

RT: 23.34 min Scan# 1947

Delta R.T. -0.03 min

Lab File: BF081689.D

Acq: 17 Sep 2015 21:20

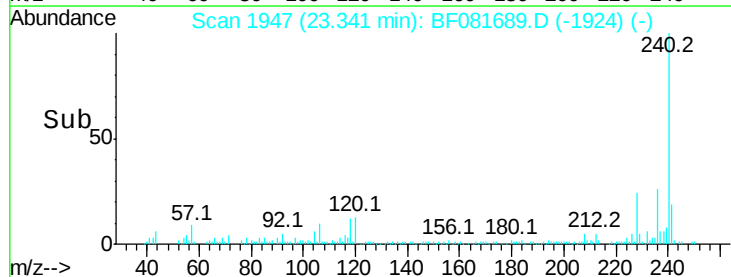
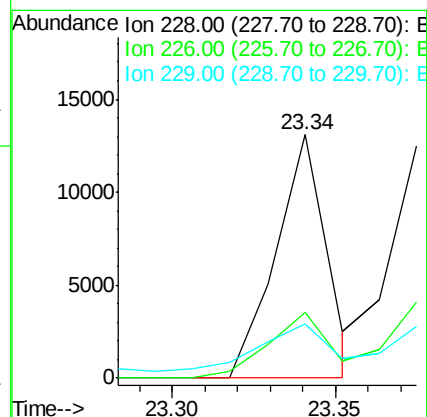
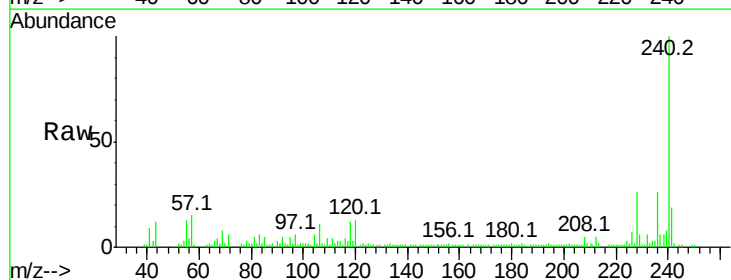
Tgt Ion:228 Resp: 14185

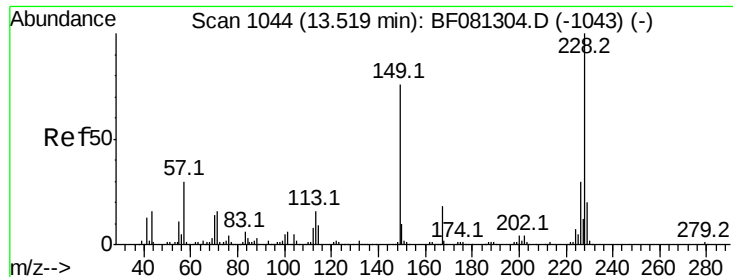
Ion Ratio Lower Upper

228 100

226 27.0 20.0 30.0

229 22.4 15.4 23.2





#82

Chrysene

Concen: 2.92 ng m

RT: 23.37 min Scan# 1950

Delta R.T. -0.04 min

Lab File: BF081689.D

Acq: 17 Sep 2015 21:20

Instrument :

BNA_F

ClientSampleId :

GP-1(0-5)

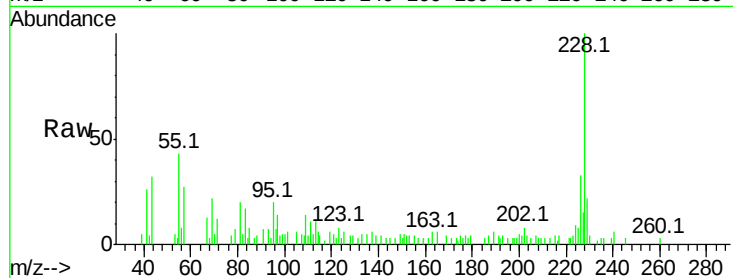
Tgt Ion:228 Resp: 15760

Ion Ratio Lower Upper

228 100

226 32.8 21.0 31.4#

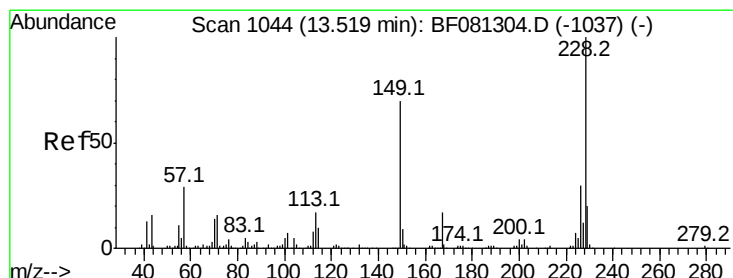
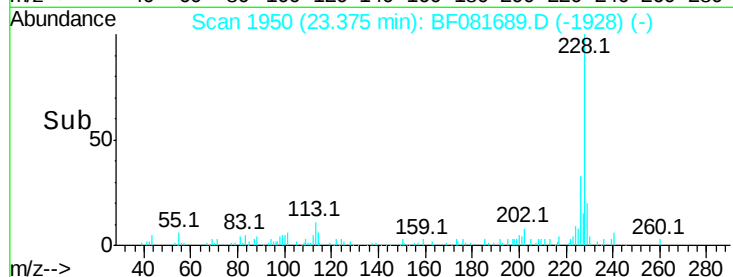
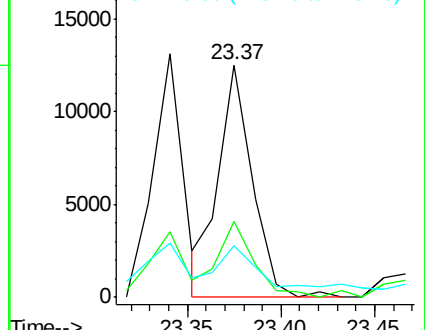
229 22.0 15.6 23.4



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: 2.90 ng

RT: 23.47 min Scan# 1958

Delta R.T. -0.03 min

Lab File: BF081689.D

Acq: 17 Sep 2015 21:20

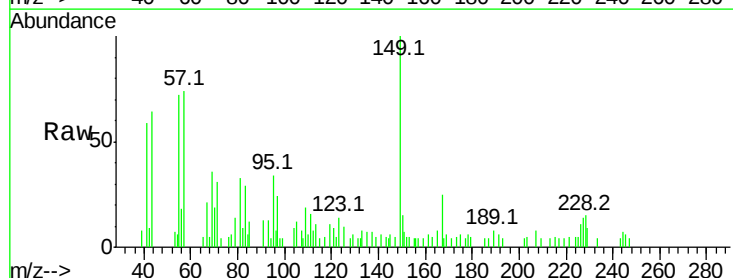
Tgt Ion:149 Resp: 11651

Ion Ratio Lower Upper

149 100

167 24.9 24.2 36.2

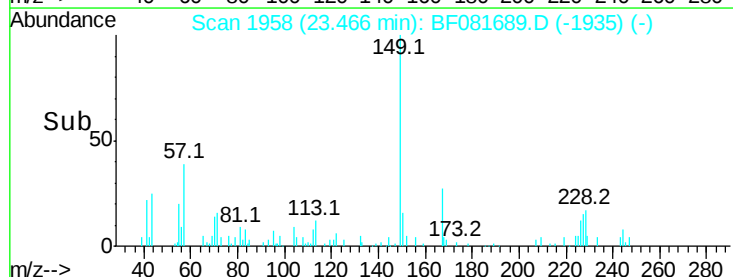
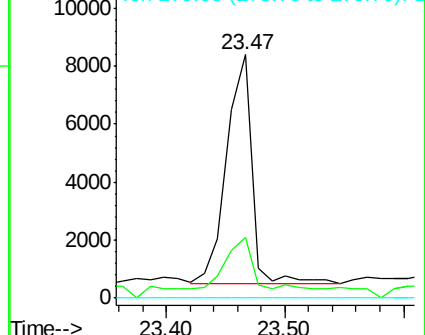
279 0.0 3.8 5.6#

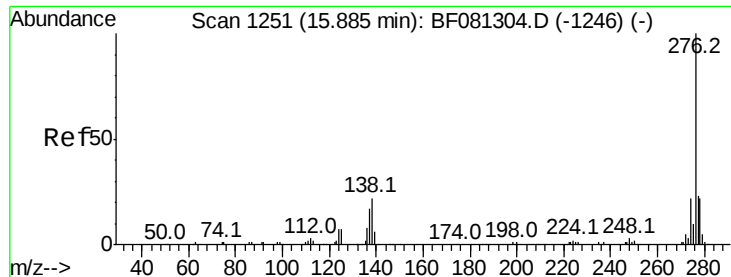


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E

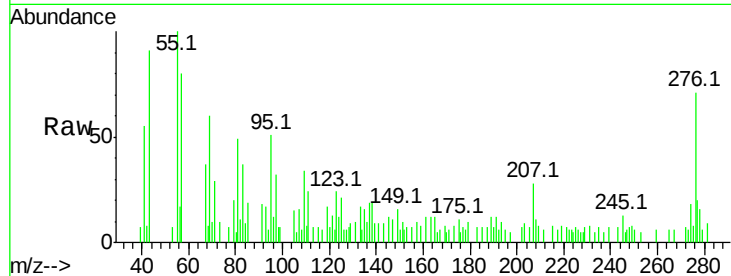




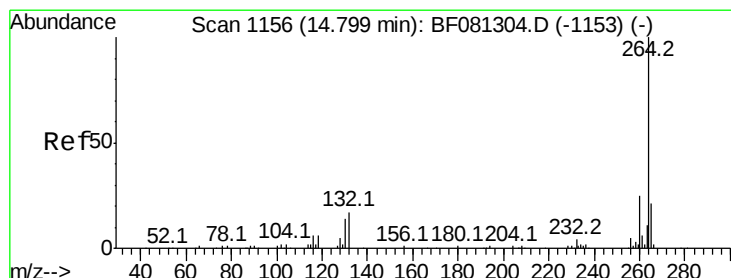
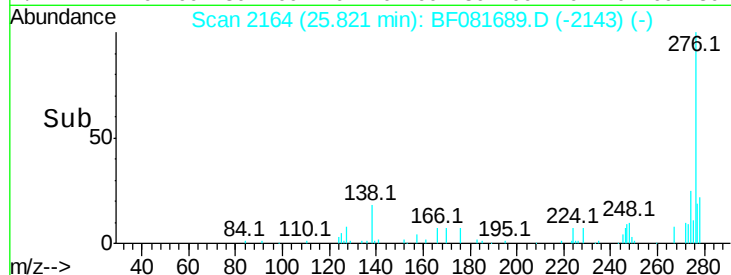
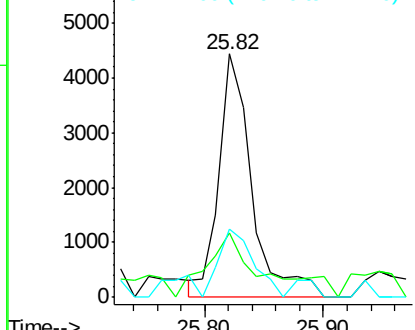
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 2.14 ng
 RT: 25.82 min Scan# 2164
 Delta R.T. -0.06 min
 Lab File: BF081689.D
 Acq: 17 Sep 2015 21:20

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

Tgt Ion: 276 Resp: 8499
 Ion Ratio Lower Upper
 276 100
 138 45.9 25.7 38.5#
 277 29.5 15.6 23.4#

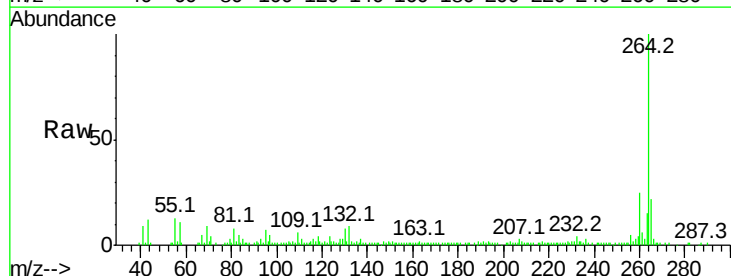


Abundance Ion 276.00 (275.70 to 276.70): E
 Ion 138.00 (137.70 to 138.70): E
 Ion 277.00 (276.70 to 277.70): E

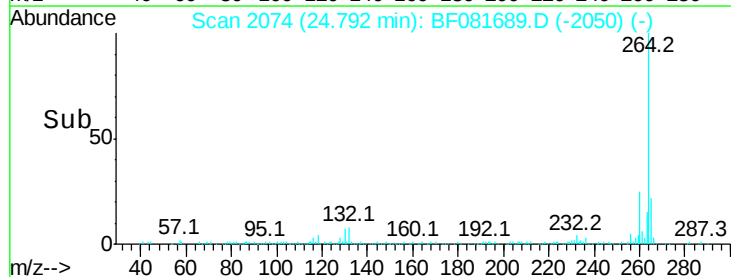
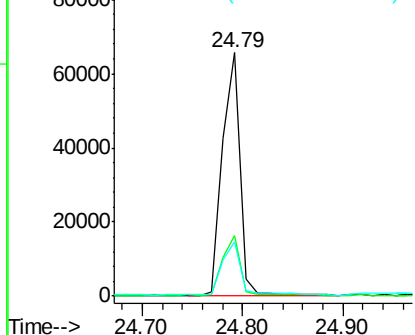


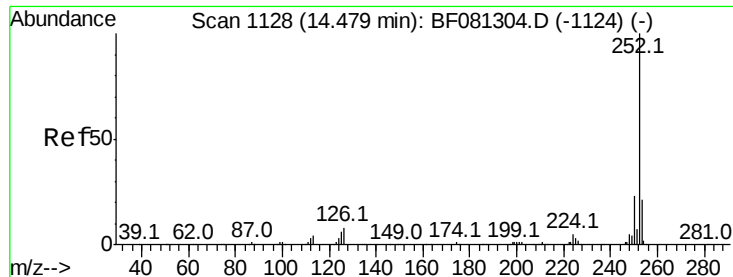
#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 24.79 min Scan# 2074
 Delta R.T. -0.02 min
 Lab File: BF081689.D
 Acq: 17 Sep 2015 21:20

Tgt Ion: 264 Resp: 80758
 Ion Ratio Lower Upper
 264 100
 260 24.6 16.7 25.1
 265 22.0 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

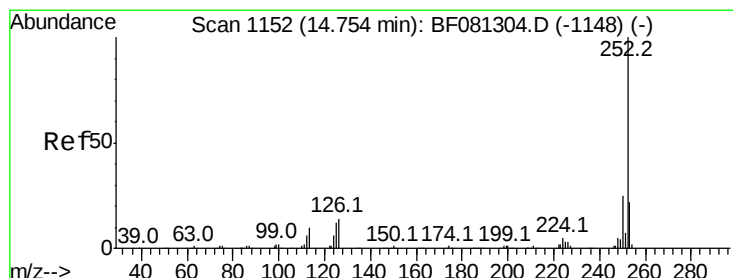
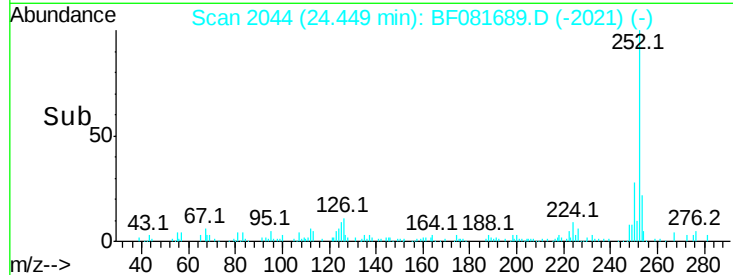
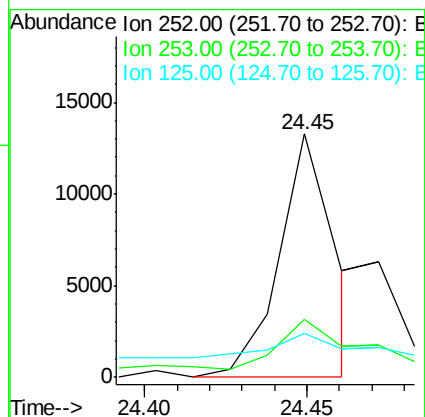
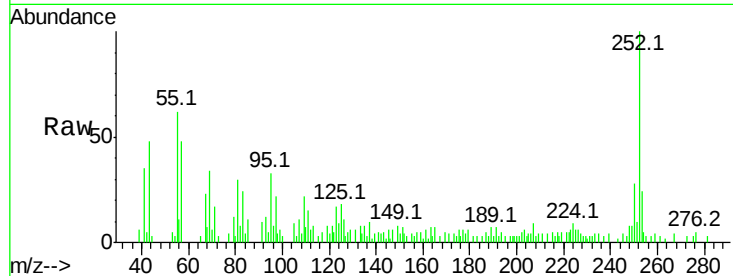




#87
Benzo(b)fluoranthene
Concen: 2.73 ng m
RT: 24.45 min Scan# 2044
Delta R.T. -0.03 min
Lab File: BF081689.D
Acq: 17 Sep 2015 21:20

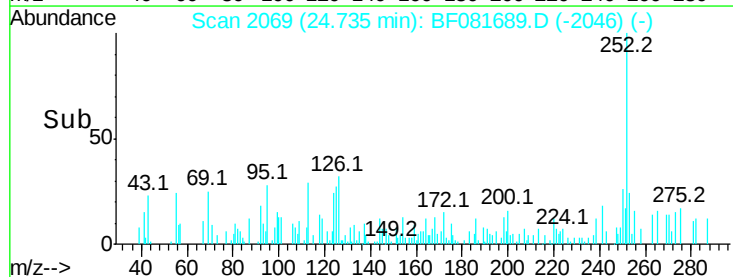
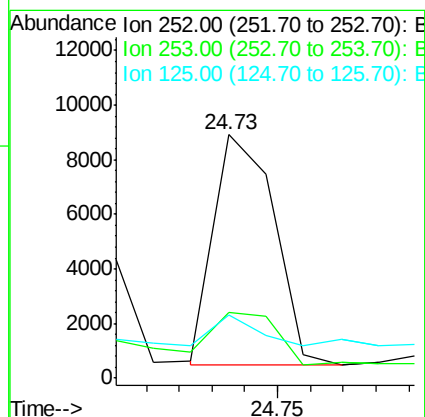
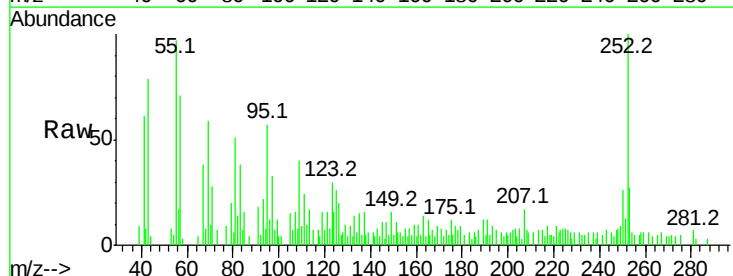
Instrument :
BNA_F
ClientSampleId :
GP-1(0-5)

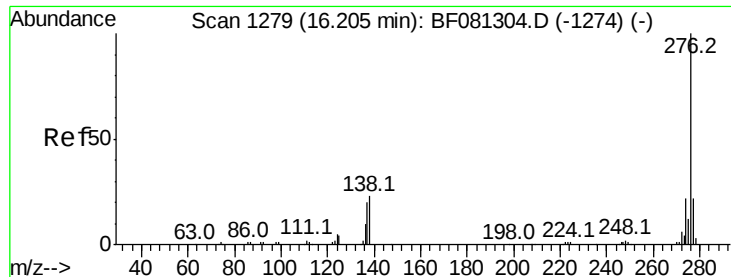
Tgt Ion:252 Resp: 15742
Ion Ratio Lower Upper
252 100
253 23.8 17.5 26.3
125 18.1 17.1 25.7



#89
Benzo(a)pyrene
Concen: 2.23 ng m
RT: 24.73 min Scan# 2069
Delta R.T. -0.03 min
Lab File: BF081689.D
Acq: 17 Sep 2015 21:20

Tgt Ion:252 Resp: 10885
Ion Ratio Lower Upper
252 100
253 27.0 17.2 25.8#
125 26.1 18.0 27.0





#91

Benzo(g,h,i)perylene

Concen: 2.18 ng

RT: 26.13 min Scan# 2191

Delta R.T. -0.04 min

Lab File: BF081689.D

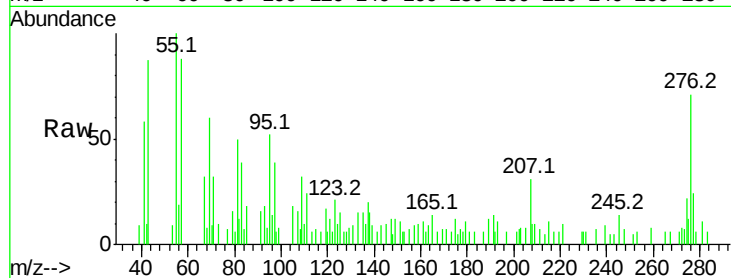
Acq: 17 Sep 2015 21:20

Instrument :

BNA_F

ClientSampleId :

GP-1(0-5)



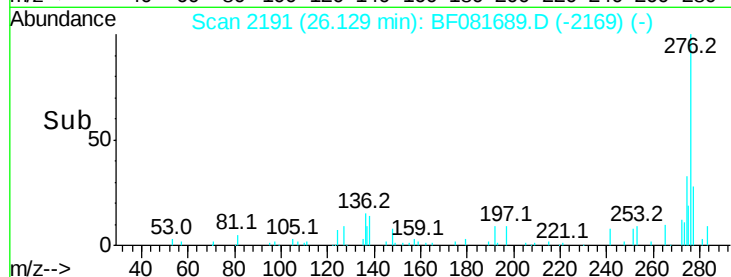
Tgt Ion:276 Resp: 7843

Ion Ratio Lower Upper

276 100

277 33.3 17.8 26.6#

138 20.6 34.6 51.8#



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

