

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG021916\
 Data File : BG021007.D
 Acq On : 20 Feb 2016 13:56
 Operator : SJ/UM
 Sample : H1453-03 5X
 Misc :
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 EGR-A-2

Quant Time: Feb 21 22:53:19 2016
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG021116.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Feb 11 15:26:53 2016
 Response via : Initial Calibration

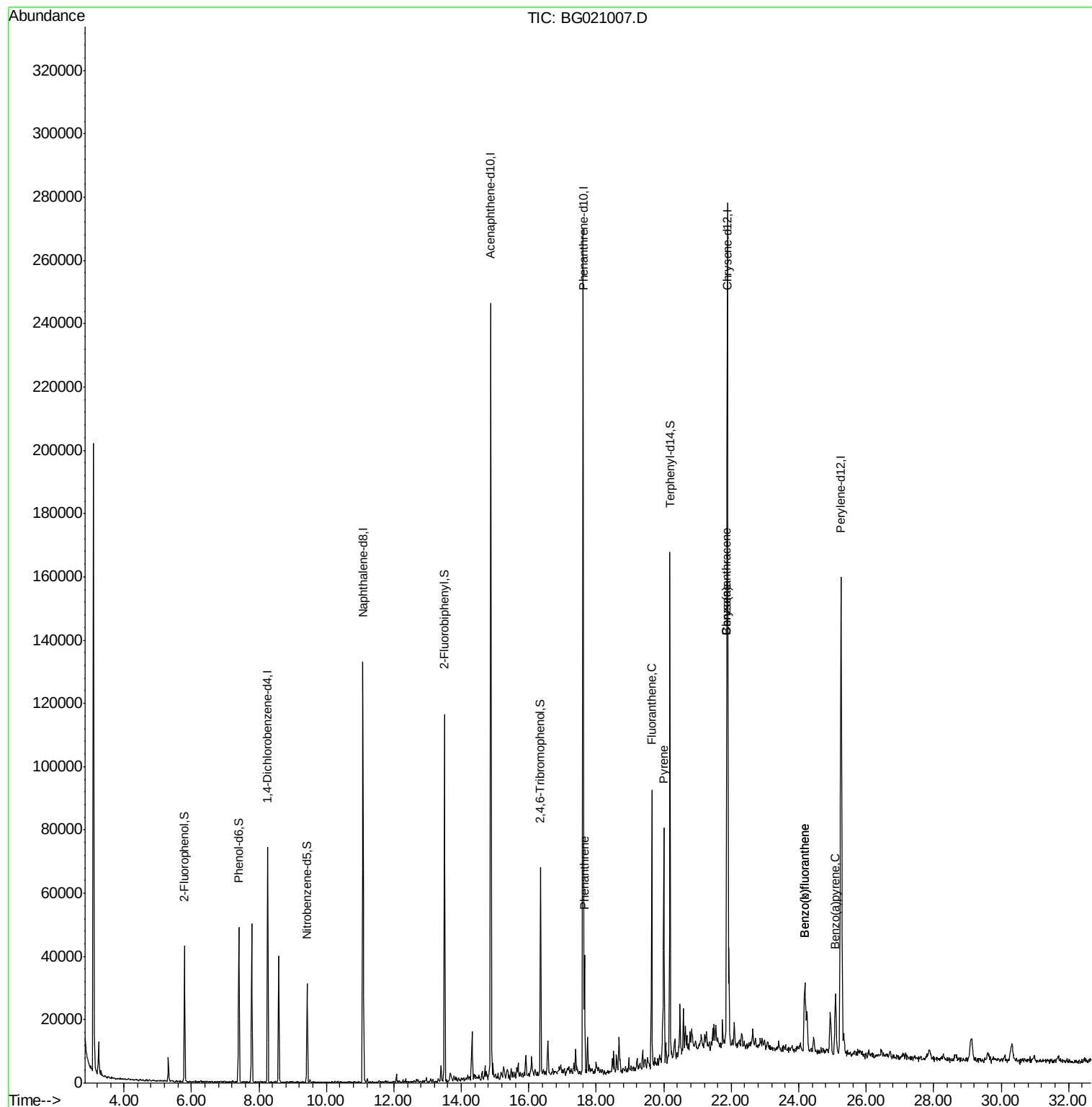
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.26	152	23660	20.00	ng	0.00
21) Naphthalene-d8	11.08	136	131240	20.00	ng	-0.02
38) Acenaphthene-d10	14.87	164	82769	20.00	ng	-0.02
63) Phenanthrene-d10	17.61	188	160282	20.00	ng	0.00
75) Chrysene-d12	21.89	240	150310	20.00	ng	-0.02
86) Perylene-d12	25.26	264	143824	20.00	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.79	112	25724	18.31	ng	0.00
7) Phenol-d6	7.40	99	38410	18.70	ng	0.00
23) Nitrobenzene-d5	9.43	82	21792	10.92	ng	-0.02
41) 2,4,6-Tribromophenol	16.35	330	13141	16.14	ng	0.00
44) 2-Fluorobiphenyl	13.50	172	64259	10.91	ng	-0.02
78) Terphenyl-d14	20.19	244	68243	10.59	ng	-0.02
Target Compounds						Qvalue
70) Phenanthrene	17.65	178	23238	2.55	ng	99
74) Fluoranthene	19.64	202	51509	5.23	ng	98
77) Pyrene	20.00	202	46267	4.67	ng	99
80) Benzo(a)anthracene	21.86	228	25449	2.84	ng	98
82) Chrysene	21.86	228	25449	3.02	ng	95
87) Benzo(b)fluoranthene	24.18	252	28263	3.21	ng	98
88) Benzo(k)fluoranthene	24.18	252	28263	3.28	ng	98
89) Benzo(a)pyrene	25.09	252	20910	2.49	ng	97

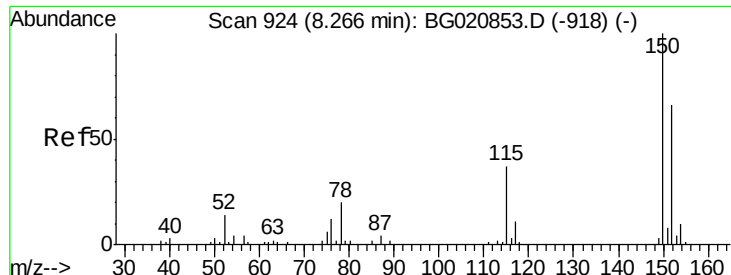
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 8.26 min Scan# 922

Delta R.T. -0.01 min

Lab File: BG021007.D

Acq: 20 Feb 2016 13:56

Instrument :

BNA_G

ClientSampleId :

EGR-A-2

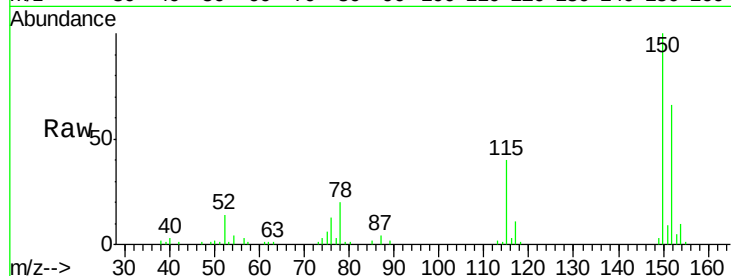
Tgt Ion:152 Resp: 23660

Ion Ratio Lower Upper

152 100

150 151.0 122.0 183.0

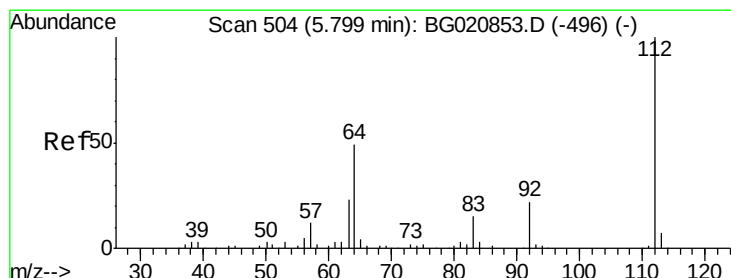
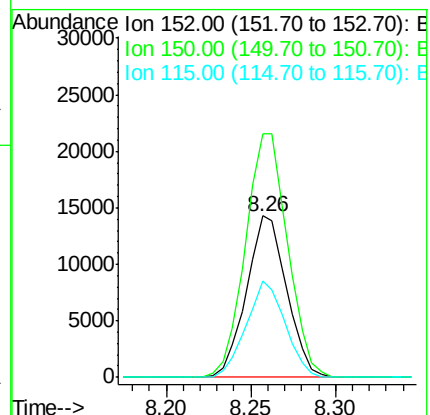
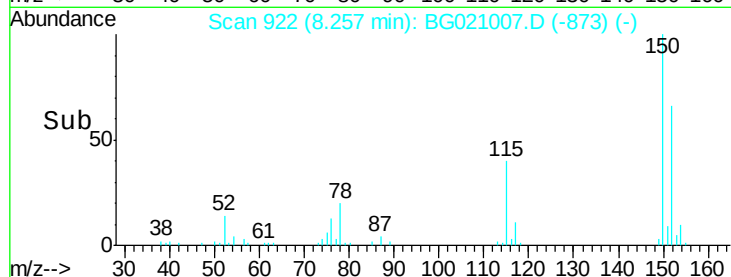
115 59.8 45.2 67.8



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: 18.31 ng

RT: 5.79 min Scan# 502

Delta R.T. -0.01 min

Lab File: BG021007.D

Acq: 20 Feb 2016 13:56

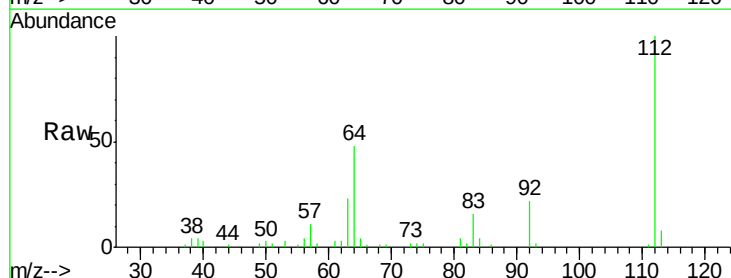
Tgt Ion:112 Resp: 25724

Ion Ratio Lower Upper

112 100

64 47.9 39.3 58.9

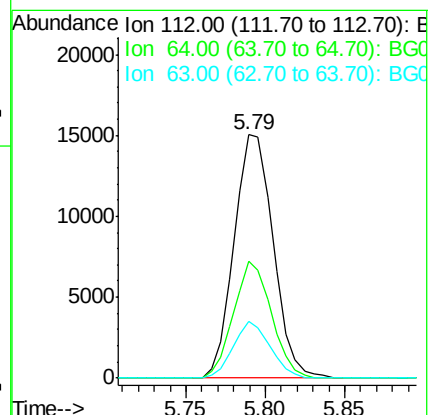
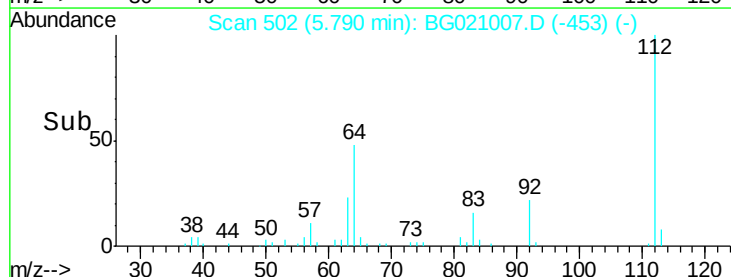
63 23.3 18.2 27.4

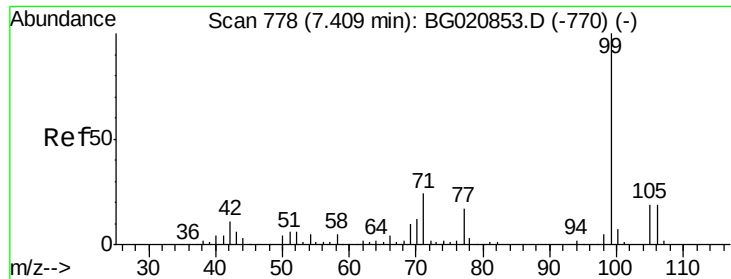


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BGC

Ion 63.00 (62.70 to 63.70): BGC





#7

Phenol-d6

Concen: 18.70 ng

RT: 7.40 min Scan# 777

Delta R.T. -0.00 min

Lab File: BG021007.D

Acq: 20 Feb 2016 13:56

Instrument :

BNA_G

ClientSampleId :

EGR-A-2

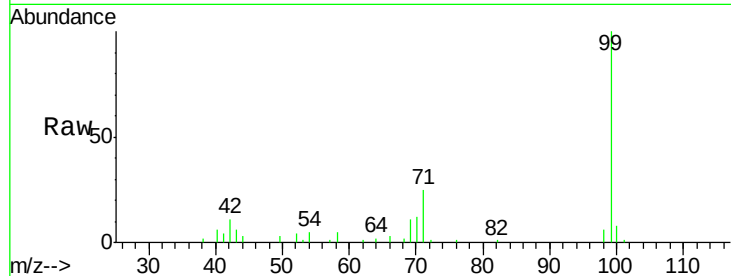
Tgt Ion: 99 Resp: 38410

Ion Ratio Lower Upper

99 100

42 10.7 8.4 12.6

71 24.6 19.4 29.0

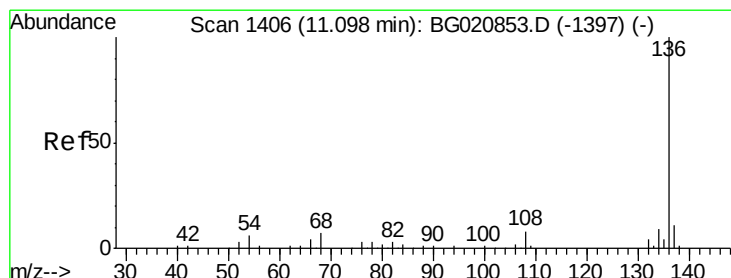
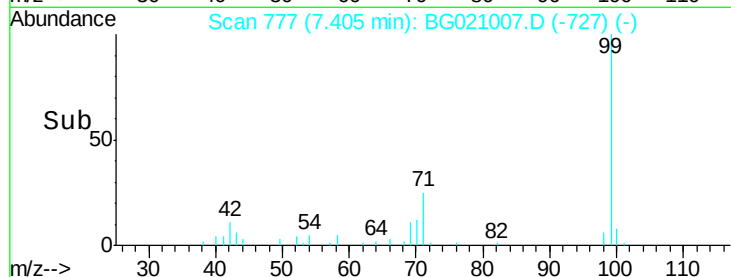
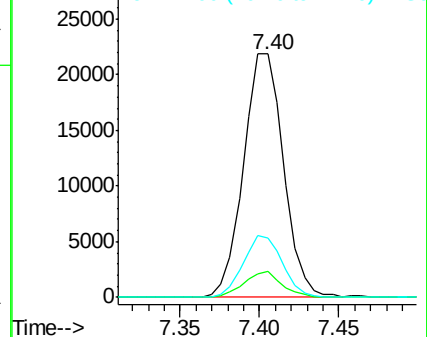


Abundance

Ion 99.00 (98.70 to 99.70): BGC

Ion 42.00 (41.70 to 42.70): BGC

Ion 71.00 (70.70 to 71.70): BGC



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 11.08 min Scan# 1403

Delta R.T. -0.02 min

Lab File: BG021007.D

Acq: 20 Feb 2016 13:56

Tgt Ion: 136 Resp: 131240

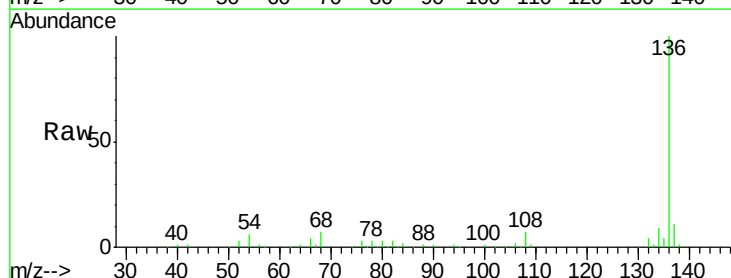
Ion Ratio Lower Upper

136 100

137 10.8 8.8 13.2

54 6.1 5.0 7.4

68 6.5 5.2 7.8



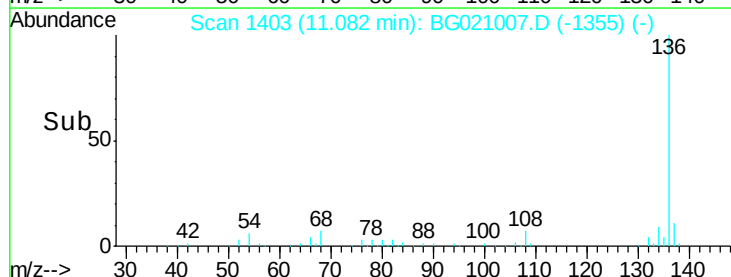
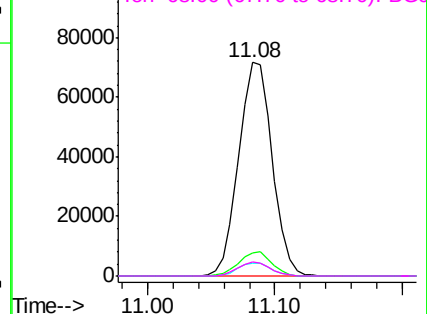
Abundance

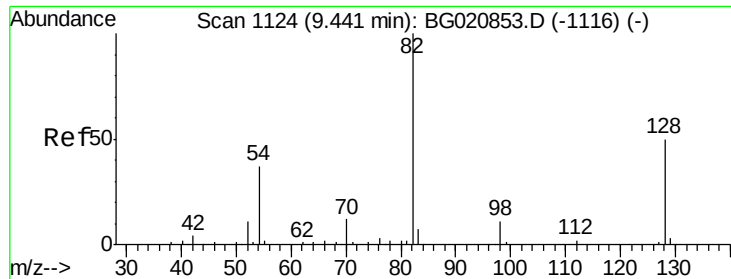
Ion 136.00 (135.70 to 136.70): BGC

Ion 137.00 (136.70 to 137.70): BGC

Ion 54.00 (53.70 to 54.70): BGC

Ion 68.00 (67.70 to 68.70): BGC

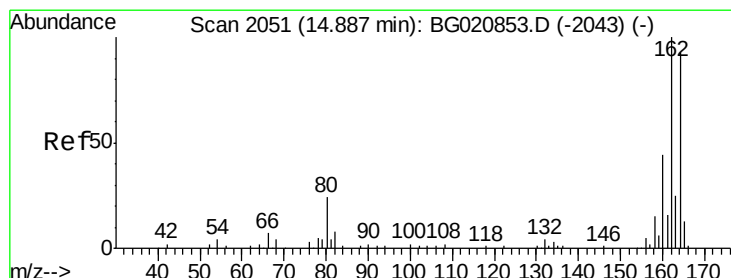
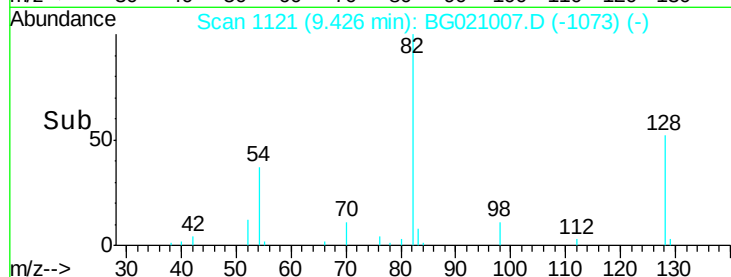
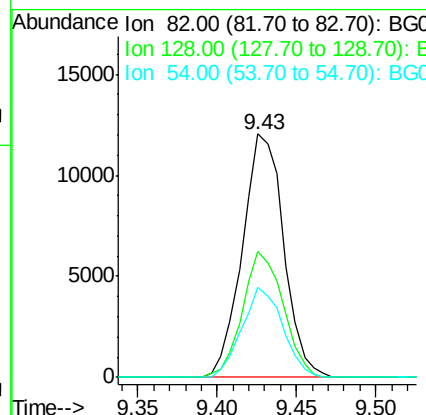
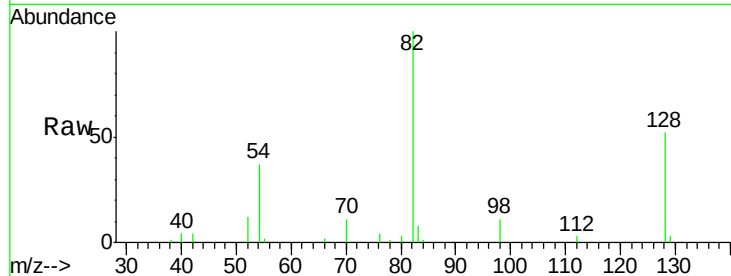




#23
 Nitrobenzene-d5
 Concen: 10.92 ng
 RT: 9.43 min Scan# 1121
 Delta R.T. -0.02 min
 Lab File: BG021007.D
 Acq: 20 Feb 2016 13:56

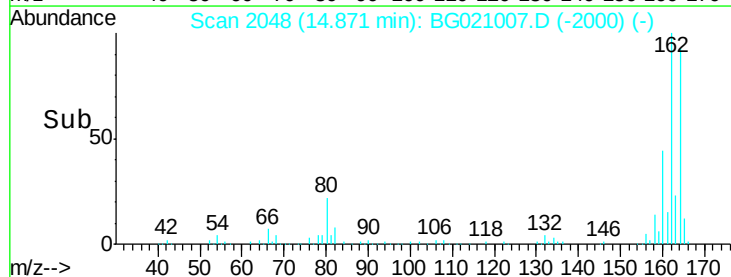
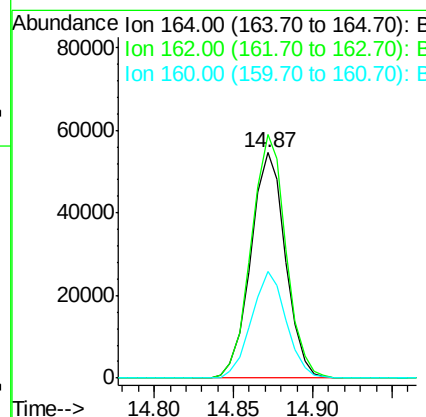
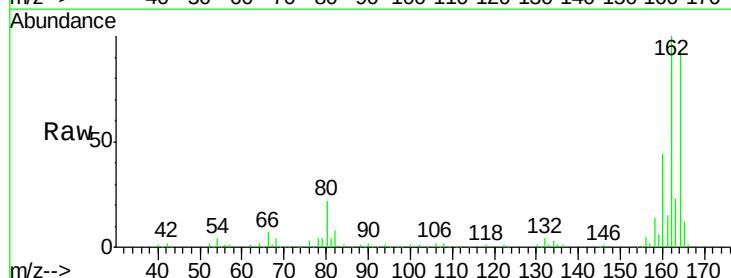
Instrument :
 BNA_G
 ClientSampleId :
 EGR-A-2

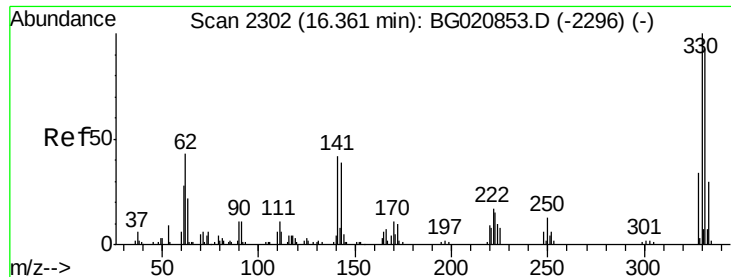
Tgt Ion: 82 Resp: 21792
 Ion Ratio Lower Upper
 82 100
 128 51.6 40.1 60.1
 54 37.2 29.5 44.3



#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 14.87 min Scan# 2048
 Delta R.T. -0.02 min
 Lab File: BG021007.D
 Acq: 20 Feb 2016 13:56

Tgt Ion: 164 Resp: 82769
 Ion Ratio Lower Upper
 164 100
 162 108.1 85.7 128.5
 160 47.3 37.4 56.0

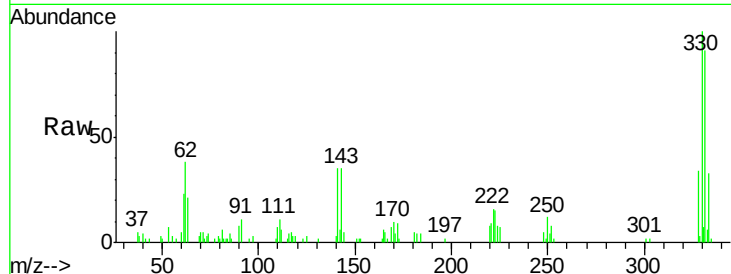




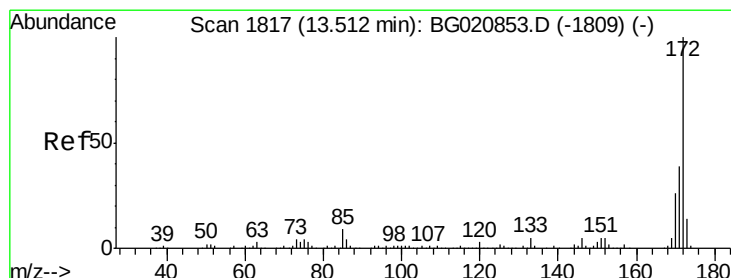
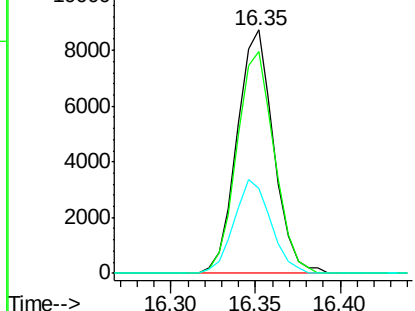
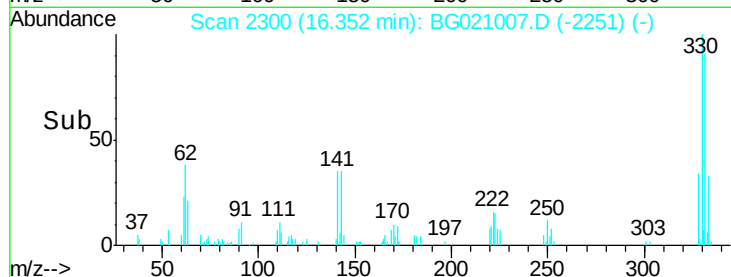
#41
 2,4,6-Tribromophenol
 Concen: 16.14 ng
 RT: 16.35 min Scan# 2300
 Delta R.T. -0.01 min
 Lab File: BG021007.D
 Acq: 20 Feb 2016 13:56

Instrument :
 BNA_G
 ClientSampleId :
 EGR-A-2

Tgt Ion: 330 Resp: 13141
 Ion Ratio Lower Upper
 330 100
 332 93.0 76.1 114.1
 141 38.4 32.0 48.0

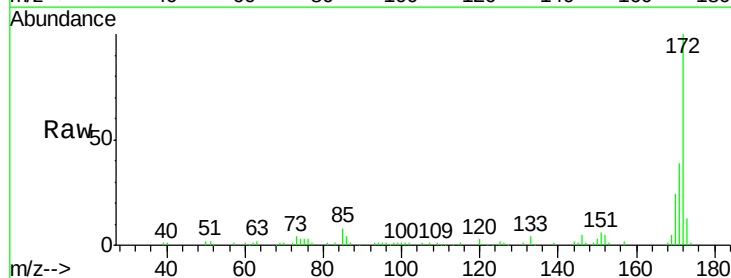


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

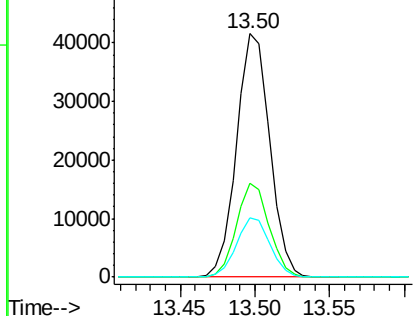
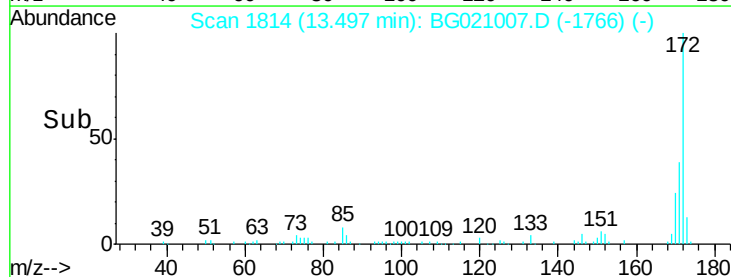


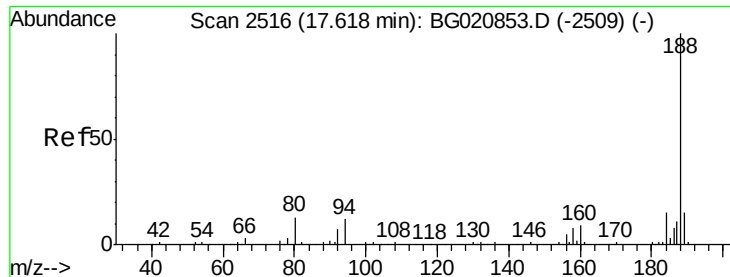
#44
 2-Fluorobiphenyl
 Concen: 10.91 ng
 RT: 13.50 min Scan# 1814
 Delta R.T. -0.02 min
 Lab File: BG021007.D
 Acq: 20 Feb 2016 13:56

Tgt Ion: 172 Resp: 64259
 Ion Ratio Lower Upper
 172 100
 171 38.6 31.2 46.8
 170 24.4 20.6 30.8



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

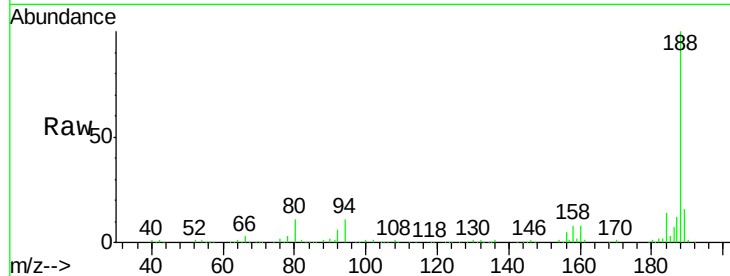




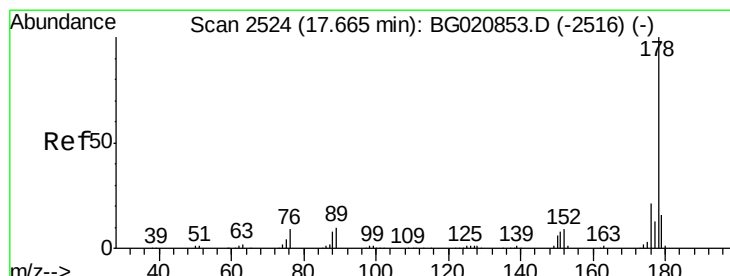
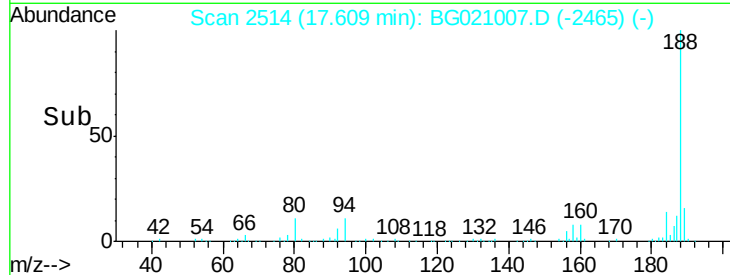
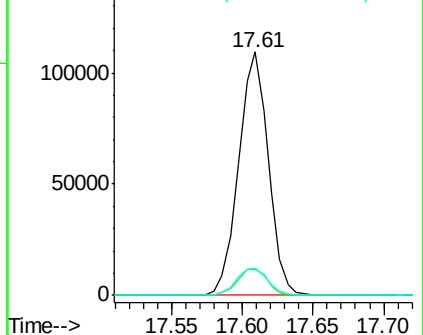
#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 17.61 min Scan# 2514
 Delta R.T. -0.01 min
 Lab File: BG021007.D
 Acq: 20 Feb 2016 13:56

Instrument :
 BNA_G
 ClientSampleId :
 EGR-A-2

Tgt Ion:188 Resp: 160282
 Ion Ratio Lower Upper
 188 100
 94 10.6 9.4 14.0
 80 11.0 10.2 15.4

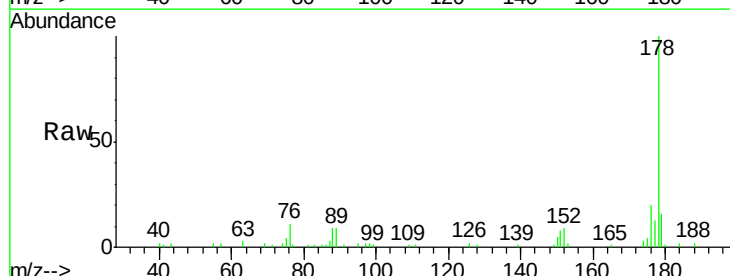


Abundance Ion 188.00 (187.70 to 188.70): E
 Ion 94.00 (93.70 to 94.70): BGC
 Ion 80.00 (79.70 to 80.70): BGC

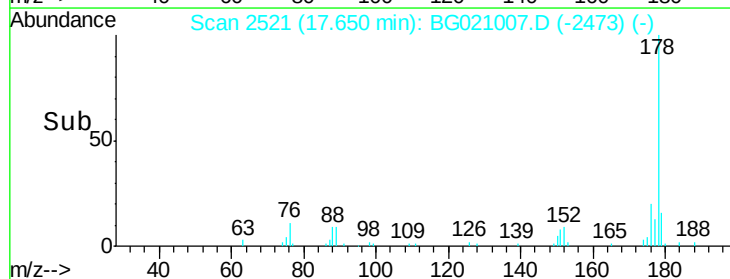
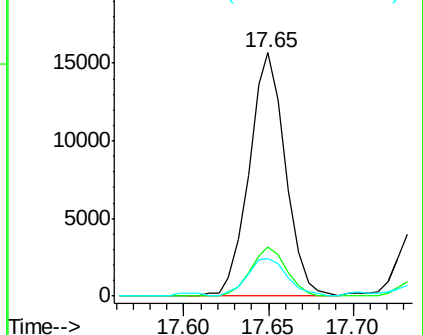


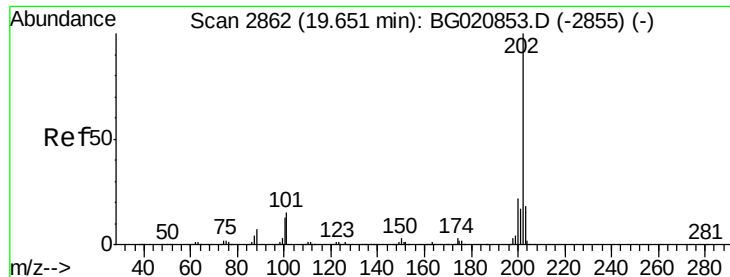
#70
 Phenanthrene
 Concen: 2.55 ng
 RT: 17.65 min Scan# 2521
 Delta R.T. -0.02 min
 Lab File: BG021007.D
 Acq: 20 Feb 2016 13:56

Tgt Ion:178 Resp: 23238
 Ion Ratio Lower Upper
 178 100
 176 20.1 16.8 25.2
 179 15.5 12.6 19.0



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: 5.23 ng

RT: 19.64 min Scan# 2860

Delta R.T. -0.01 min

Lab File: BG021007.D

Acq: 20 Feb 2016 13:56

Instrument :

BNA_G

ClientSampleId :

EGR-A-2

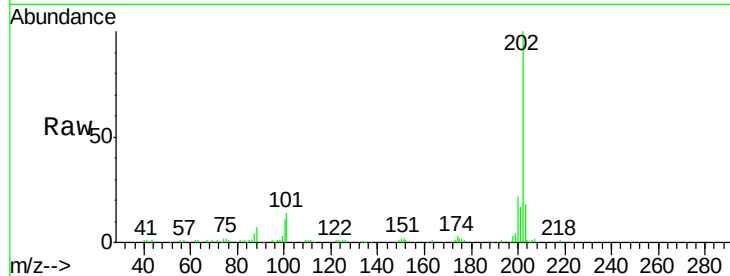
Tgt Ion:202 Resp: 51509

Ion Ratio Lower Upper

202 100

101 13.9 0.0 35.3

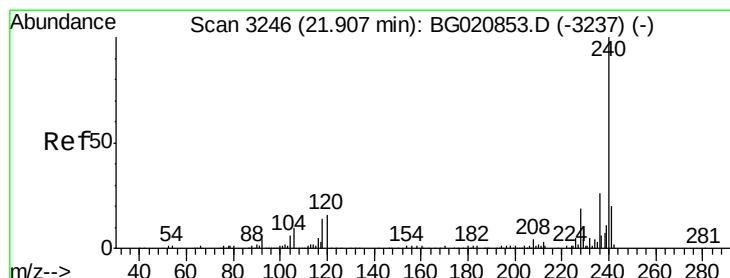
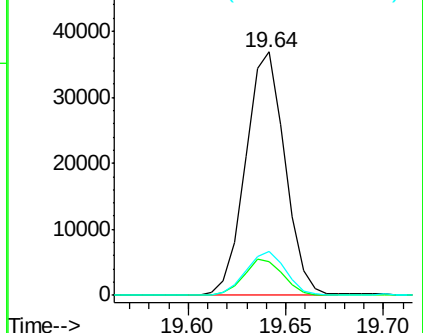
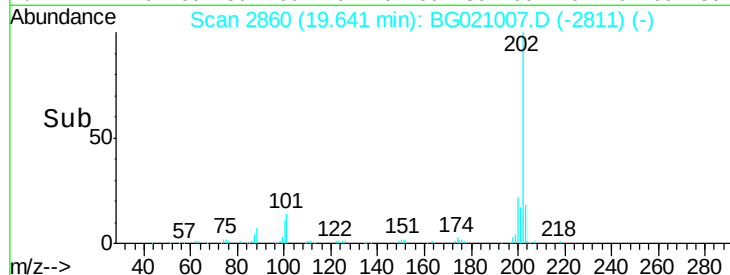
203 18.2 0.0 37.8



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: 21.89 min Scan# 3242

Delta R.T. -0.02 min

Lab File: BG021007.D

Acq: 20 Feb 2016 13:56

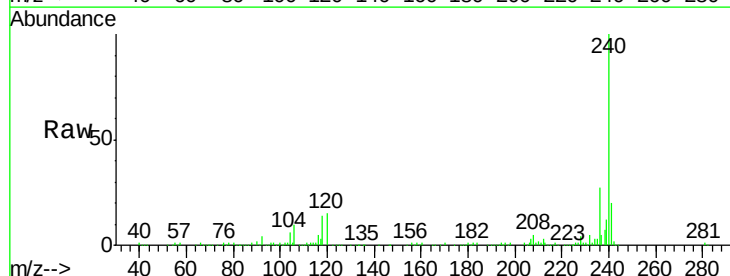
Tgt Ion:240 Resp: 150310

Ion Ratio Lower Upper

240 100

120 14.6 13.0 19.4

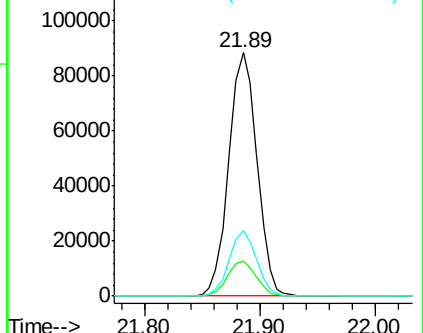
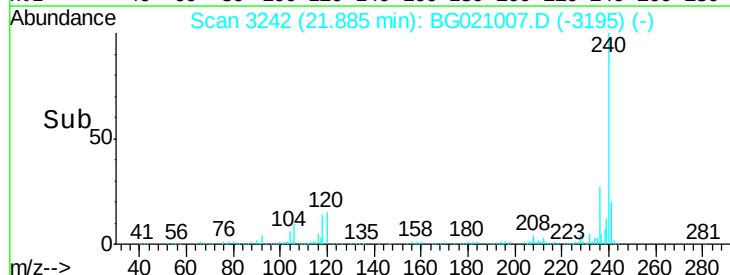
236 26.7 21.0 31.4

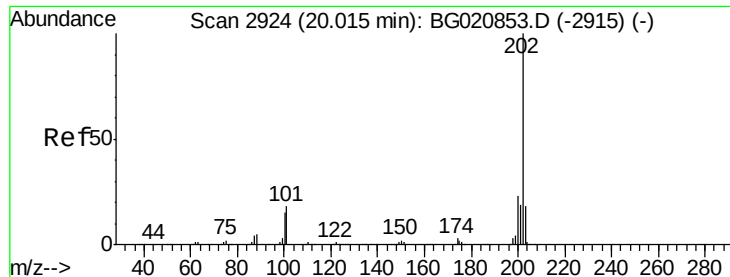


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pyrene

Concen: 4.67 ng

RT: 20.00 min Scan# 2921

Delta R.T. -0.02 min

Lab File: BG021007.D

Acq: 20 Feb 2016 13:56

Instrument :

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ClientSampleId :

EGR-A-2

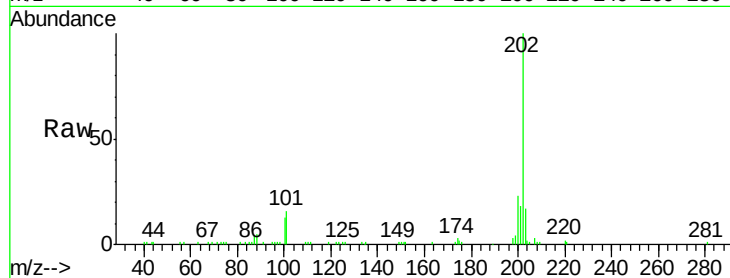
Tgt Ion:202 Resp: 46267

Ion Ratio Lower Upper

202 100

200 23.1 18.5 27.7

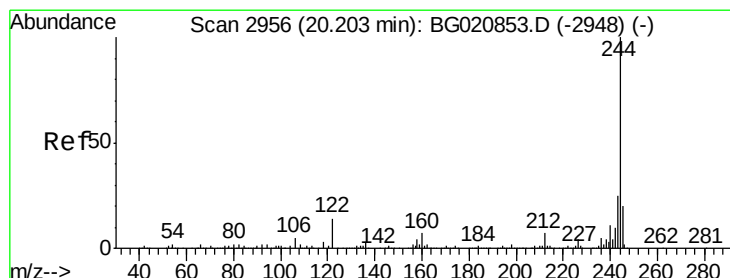
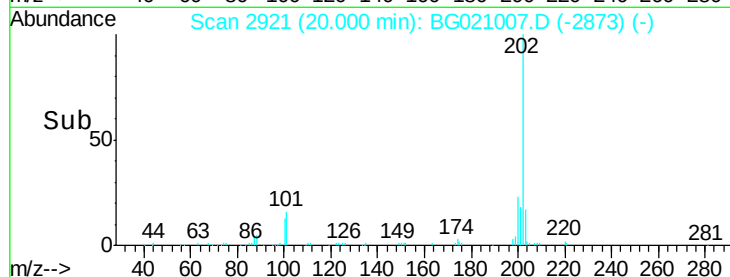
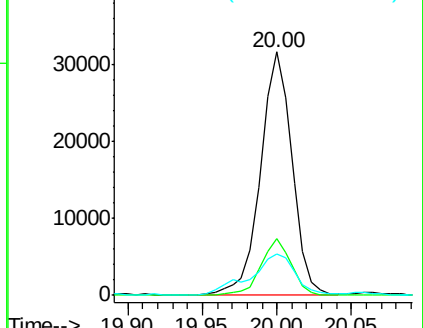
203 17.1 14.3 21.5



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: 10.59 ng

RT: 20.19 min Scan# 2953

Delta R.T. -0.02 min

Lab File: BG021007.D

Acq: 20 Feb 2016 13:56

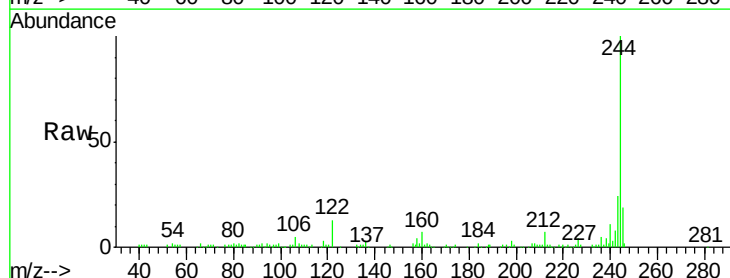
Tgt Ion:244 Resp: 68243

Ion Ratio Lower Upper

244 100

212 6.9 5.5 8.3

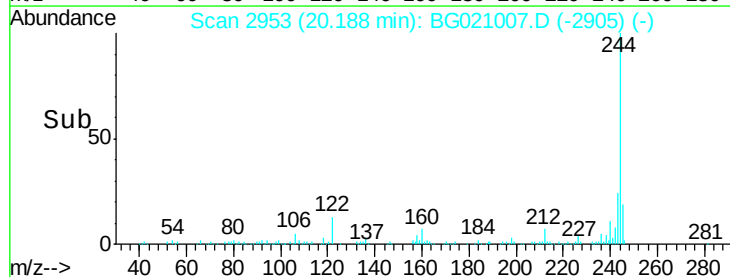
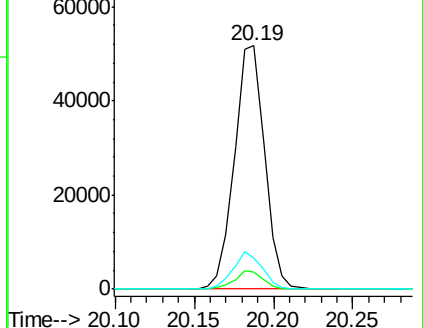
122 13.0 11.4 17.2

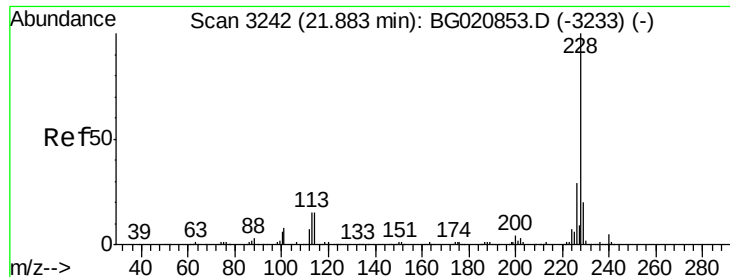


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#80

Benzo(a)anthracene

Concen: 2.84 ng

RT: 21.86 min Scan# 3238

Delta R.T. -0.02 min

Lab File: BG021007.D

Acq: 20 Feb 2016 13:56

Instrument :

BNA_G

ClientSampleId :

EGR-A-2

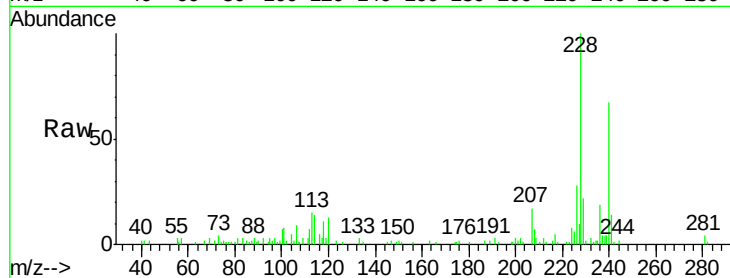
Tgt Ion:228 Resp: 25449

Ion Ratio Lower Upper

228 100

226 28.0 23.1 34.7

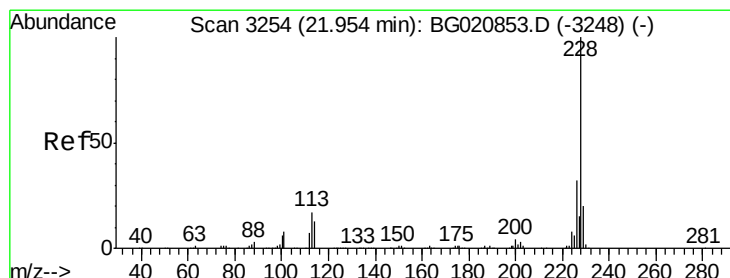
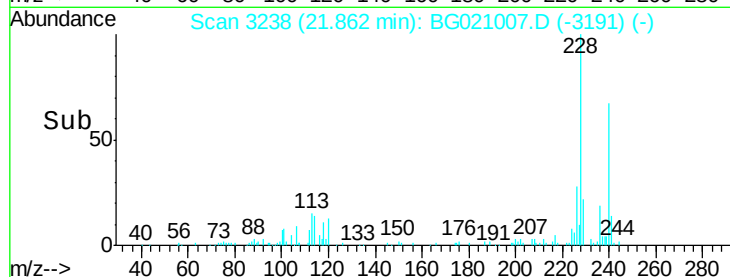
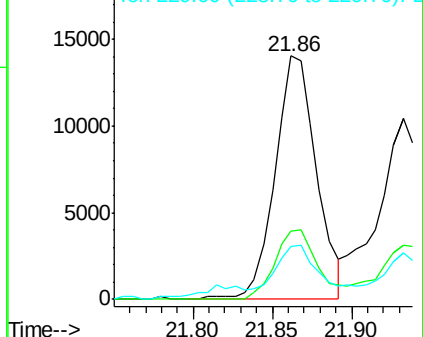
229 21.6 16.2 24.2



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: 3.02 ng

RT: 21.86 min Scan# 3238

Delta R.T. -0.09 min

Lab File: BG021007.D

Acq: 20 Feb 2016 13:56

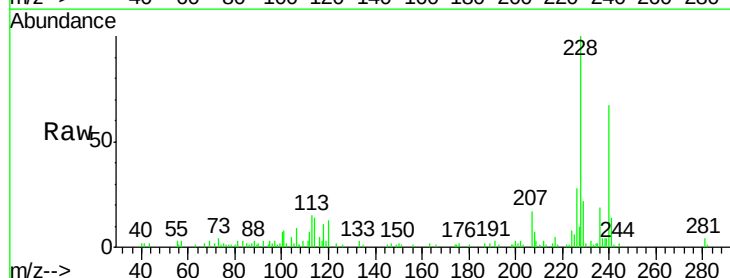
Tgt Ion:228 Resp: 25449

Ion Ratio Lower Upper

228 100

226 28.0 25.3 37.9

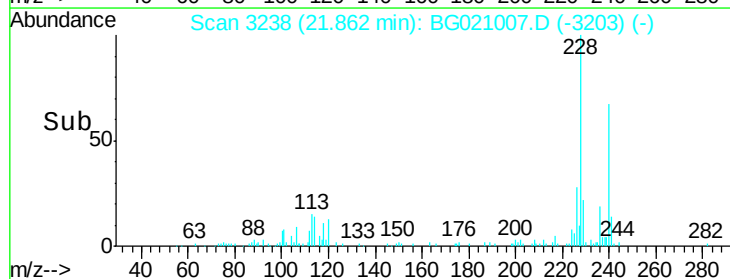
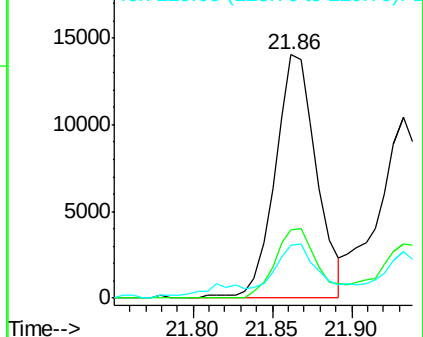
229 21.6 16.2 24.2

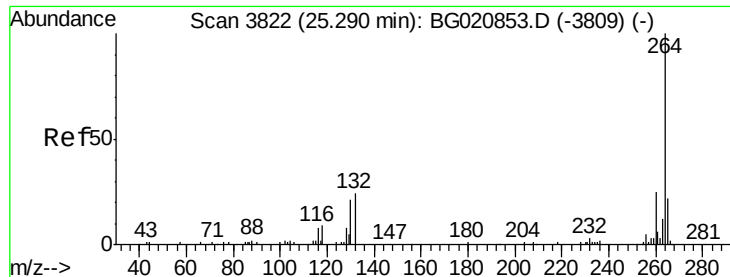


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

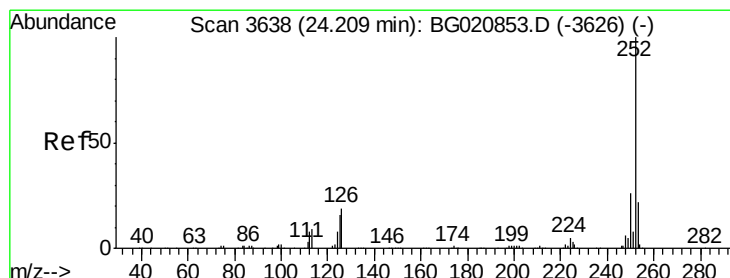
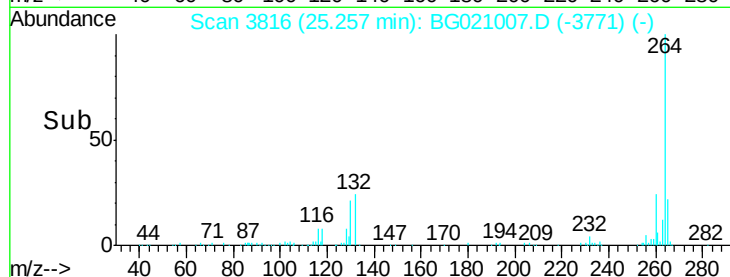
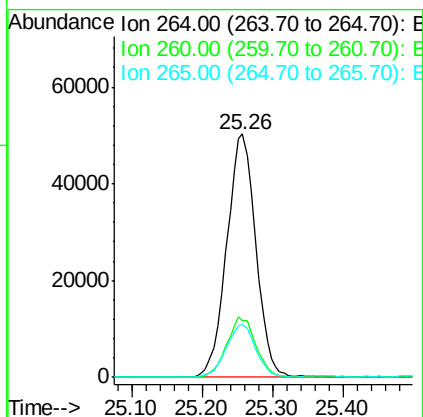
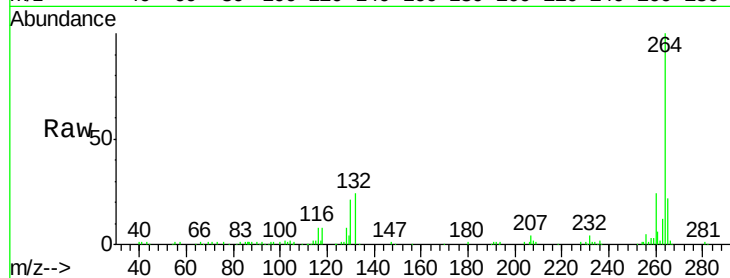




#86
Perylene-d12
Concen: 20.00 ng
RT: 25.26 min Scan# 3816
Delta R.T. -0.03 min
Lab File: BG021007.D
Acq: 20 Feb 2016 13:56

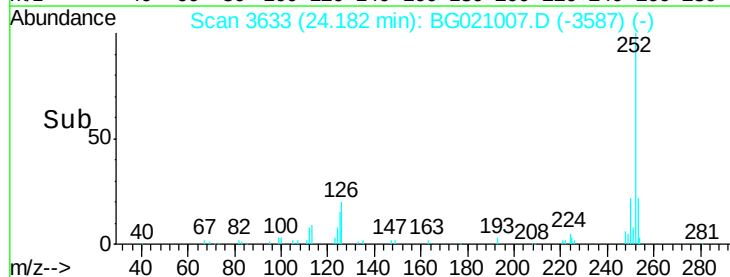
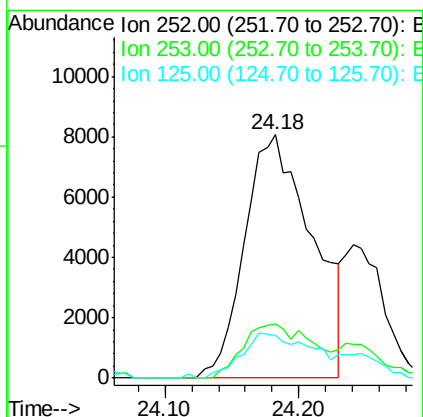
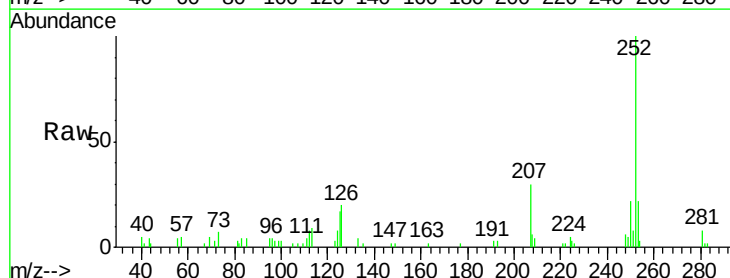
Instrument :
BNA_G
ClientSampleId :
EGR-A-2

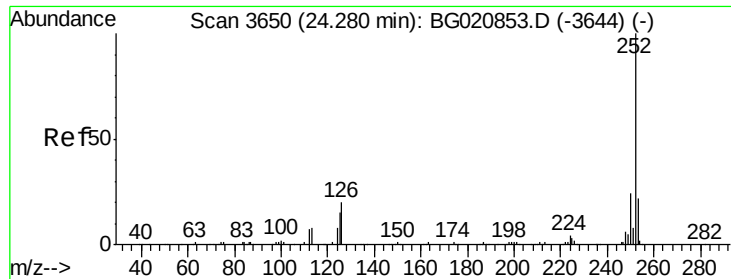
Tgt Ion: 264 Resp: 143824
Ion Ratio Lower Upper
264 100
260 23.5 19.9 29.9
265 21.9 18.0 27.0



#87
Benzo(b)fluoranthene
Concen: 3.21 ng
RT: 24.18 min Scan# 3633
Delta R.T. -0.03 min
Lab File: BG021007.D
Acq: 20 Feb 2016 13:56

Tgt Ion: 252 Resp: 28263
Ion Ratio Lower Upper
252 100
253 22.2 17.5 26.3
125 17.5 12.5 18.7

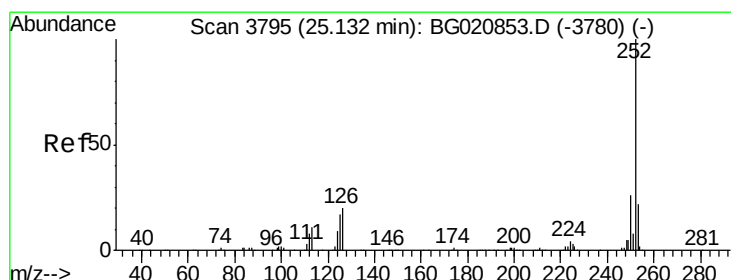
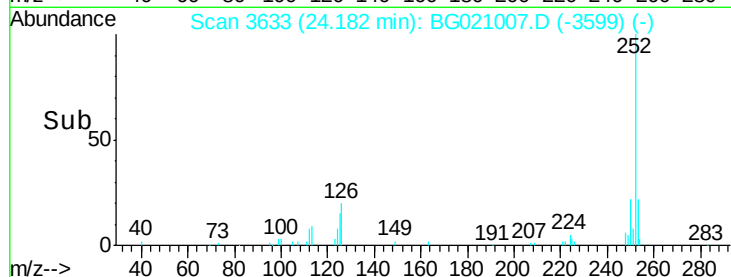
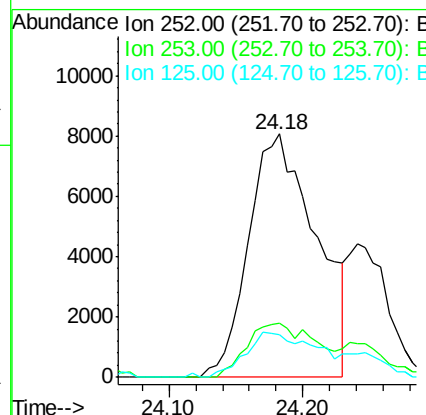
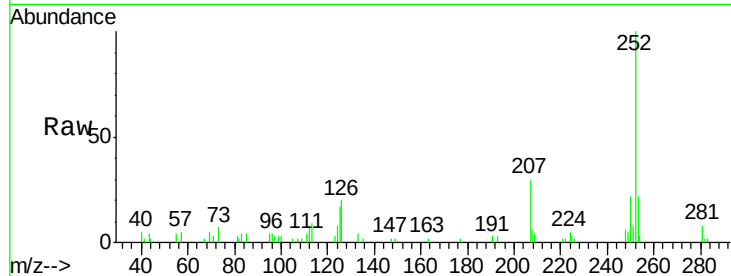




#88
Benzo(k)fluoranthene
Concen: 3.28 ng
RT: 24.18 min Scan# 3633
Delta R.T. -0.10 min
Lab File: BG021007.D
Acq: 20 Feb 2016 13:56

Instrument :
BNA_G
ClientSampleId :
EGR-A-2

Tgt Ion:252 Resp: 28263
Ion Ratio Lower Upper
252 100
253 22.2 17.7 26.5
125 17.5 12.2 18.4



#89
Benzo(a)pyrene
Concen: 2.49 ng
RT: 25.09 min Scan# 3788
Delta R.T. -0.04 min
Lab File: BG021007.D
Acq: 20 Feb 2016 13:56

Tgt Ion:252 Resp: 20910
Ion Ratio Lower Upper
252 100
253 20.2 17.4 26.2
125 15.8 13.6 20.4

