

Data Path : Z:\HPCHEM1\BNA G\DATA\BG030116\
 Data File : BG021207.D
 Acq On : 2 Mar 2016 6:20
 Operator : UM/SJ
 Sample : H1557-01RE 10X
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 P-09RE

Quant Time: Mar 02 07:18:59 2016
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG022916.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Feb 29 17:40:25 2016
 Response via : Initial Calibration

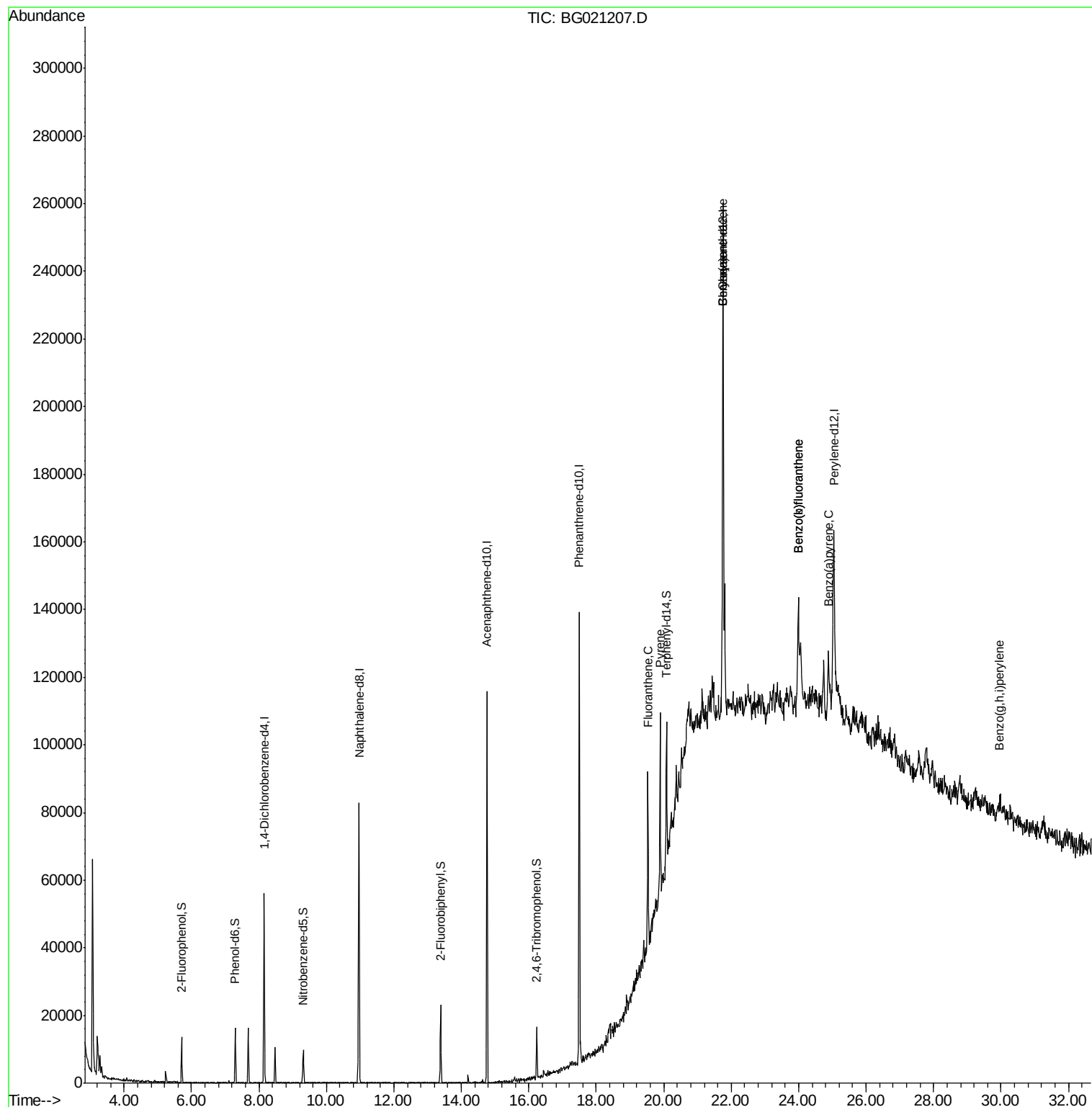
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.15	152	13943	20.00	ng	0.00
21) Naphthalene-d8	10.96	136	66559	20.00	ng	0.00
38) Acenaphthene-d10	14.76	164	36227	20.00	ng	0.00
63) Phenanthrene-d10	17.49	188	74943	20.00	ng	0.00
75) Chrysene-d12	21.76	240	81478	20.00	ng	0.00
86) Perylene-d12	25.04	264	61186	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.71	112	5883	6.71	ng	0.00
7) Phenol-d6	7.29	99	9384	6.51	ng	0.00
23) Nitrobenzene-d5	9.31	82	7237	4.60	ng	0.00
41) 2,4,6-Tribromophenol	16.23	330	2372	6.29	ng	0.00
44) 2-Fluorobiphenyl	13.38	172	11896	4.66	ng	0.00
78) Terphenyl-d14	20.08	244	15159	4.51	ng	-0.01
Target Compounds						Qvalue
74) Fluoranthene	19.53	202	30190	6.35	ng	99
77) Pyrene	19.89	202	30379	6.25	ng	95
80) Benzo(a)anthracene	21.74	228	22338	4.63	ng	# 95
82) Chrysene	21.74	228	22374	4.89	ng	97
87) Benzo(b)fluoranthene	24.00	252	34766	9.03	ng	# 89
88) Benzo(k)fluoranthene	24.00	252	34766	9.02	ng	# 88
89) Benzo(a)pyrene	24.88	252	16813	4.52	ng	# 79
91) Benzo(g,h,i)perylene	29.96	276	9371	2.64	ng	# 76

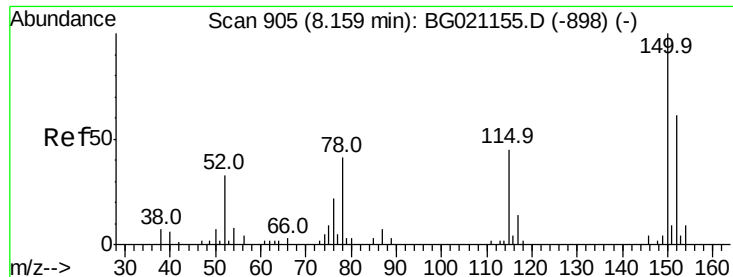
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 8.15 min Scan# 904

Delta R.T. -0.01 min

Lab File: BG021207.D

Acq: 2 Mar 2016 6:20

Instrument :

BNA_G

ClientSampleId :

P-09RE

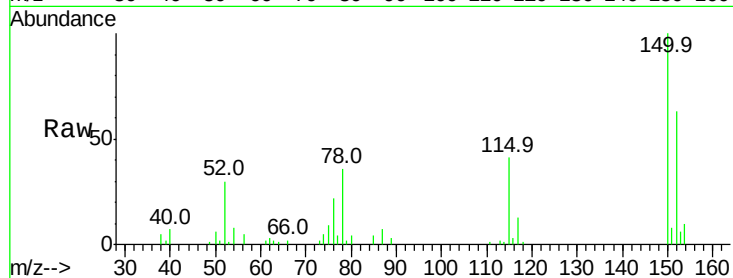
Tot Ion:152 Resp: 13943

Ion Ratio Lower Upper

152 100

150 158.9 123.4 185.2

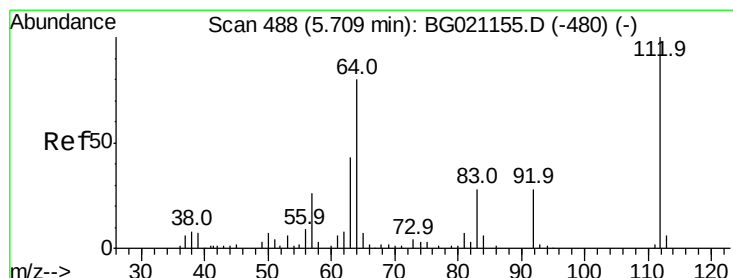
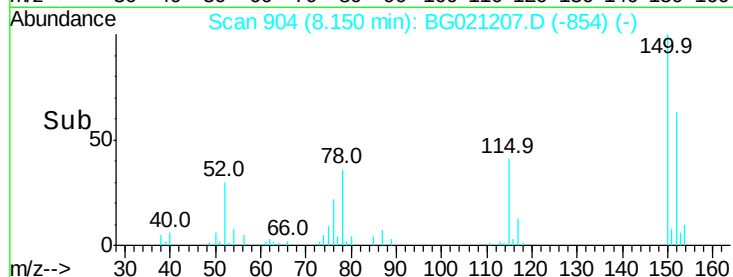
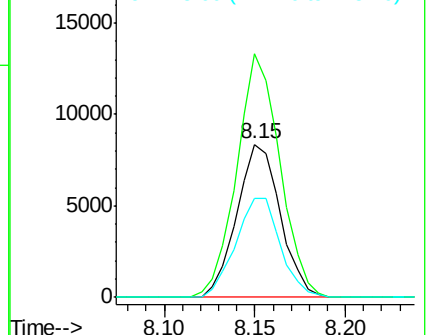
115 64.4 43.3 64.9



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: 6.71 ng

RT: 5.71 min Scan# 488

Delta R.T. -0.00 min

Lab File: BG021207.D

Acq: 2 Mar 2016 6:20

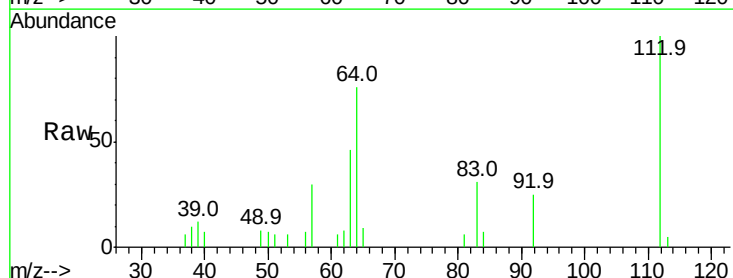
Tgt Ion:112 Resp: 5883

Ion Ratio Lower Upper

112 100

64 76.1 42.6 63.8#

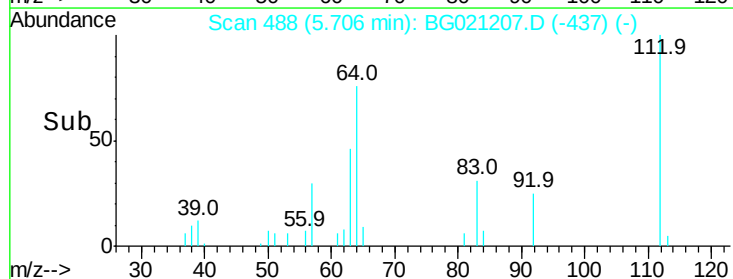
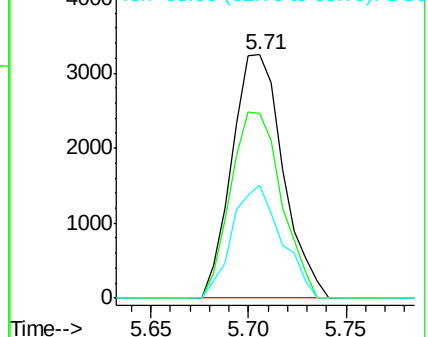
63 46.2 21.7 32.5#

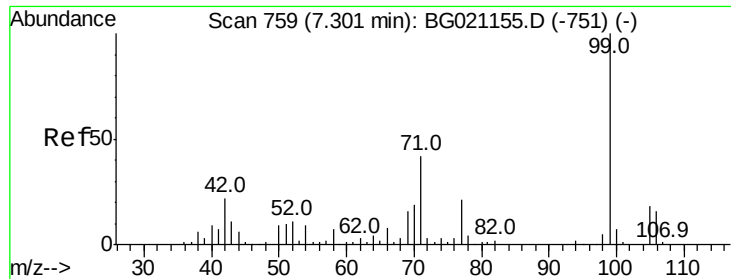


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BGC

Ion 63.00 (62.70 to 63.70): BGC





#7

Phenol-d6

Concen: 6.51 ng

RT: 7.29 min Scan# 758

Delta R.T. -0.01 min

Lab File: BG021207.D

Acq: 2 Mar 2016 6:20

Instrument :

BNA_G

ClientSampleId :

P-09RE

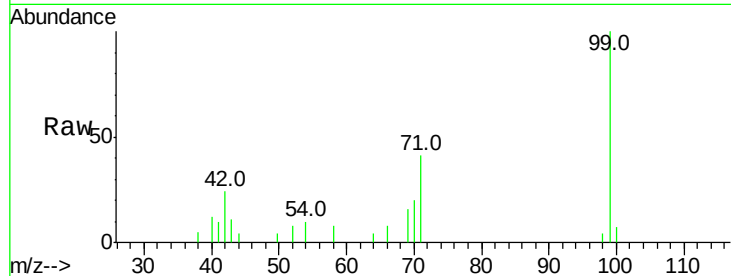
Tot Ion: 99 Resp: 9384

Ion Ratio Lower Upper

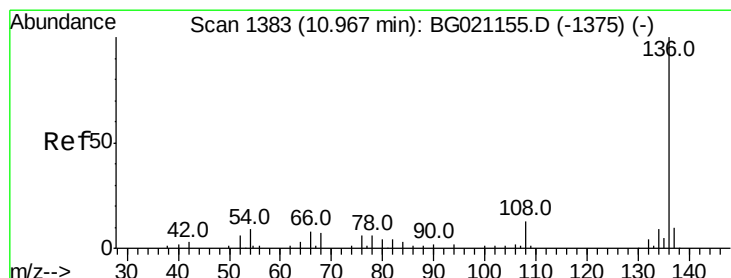
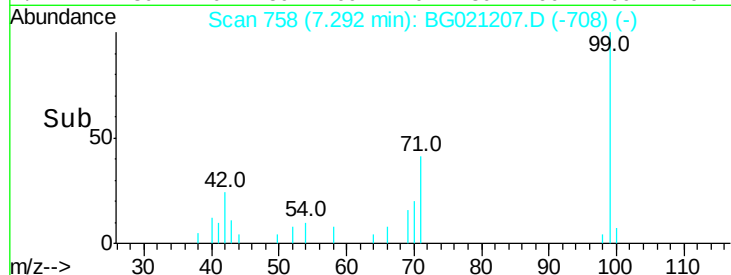
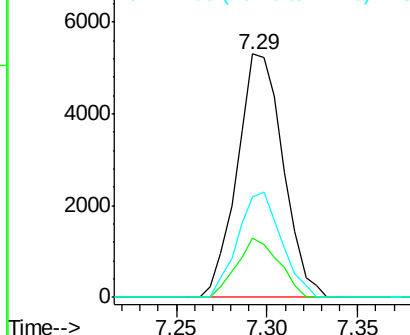
99 100

42 24.2 13.2 19.8#

71 41.4 25.2 37.8#



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: 10.96 min Scan# 1383

Delta R.T. -0.00 min

Lab File: BG021207.D

Acq: 2 Mar 2016 6:20

Tgt Ion: 136 Resp: 66559

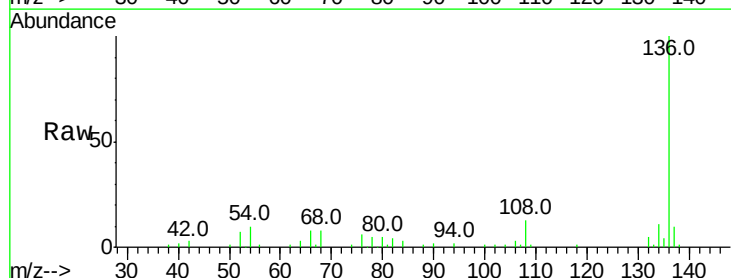
Ion Ratio Lower Upper

136 100

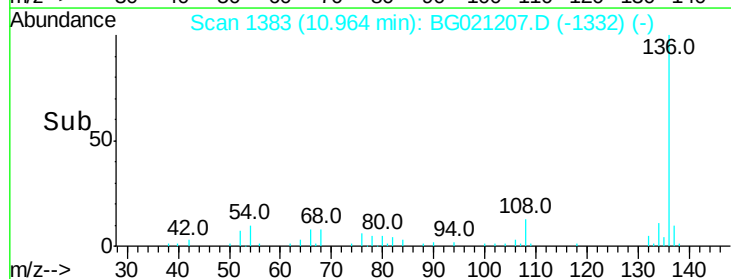
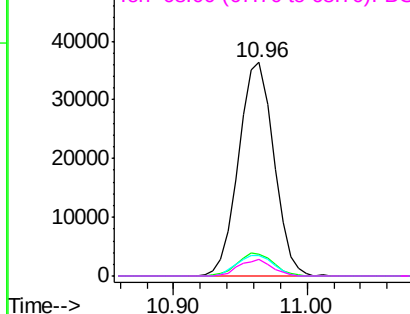
137 10.5 8.8 13.2

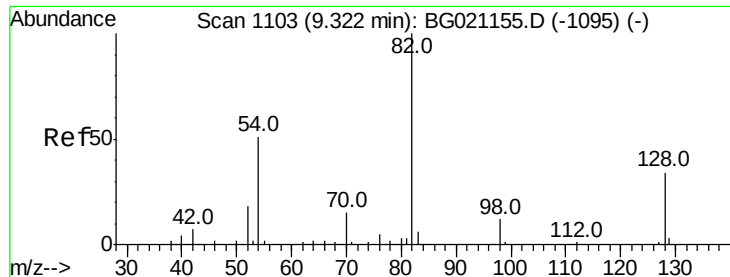
54 9.8 6.9 10.3

68 7.8 5.8 8.6



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

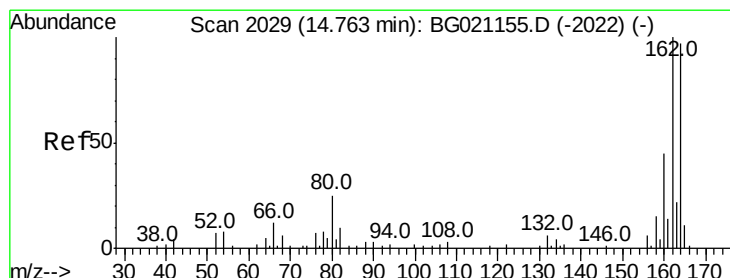
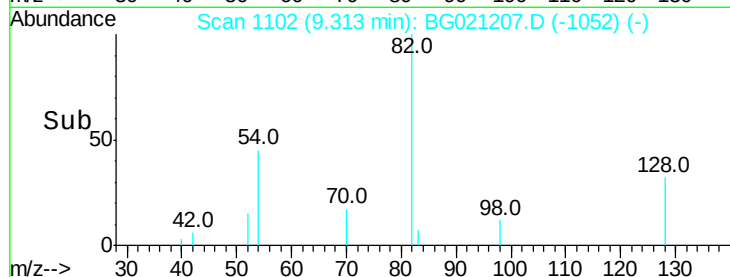
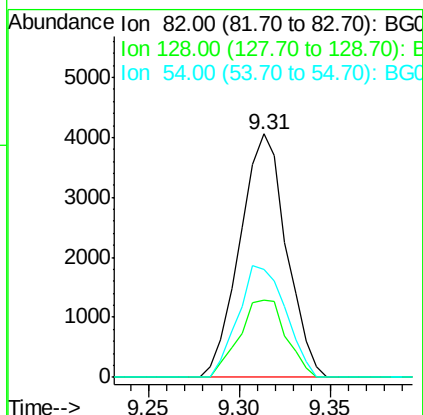
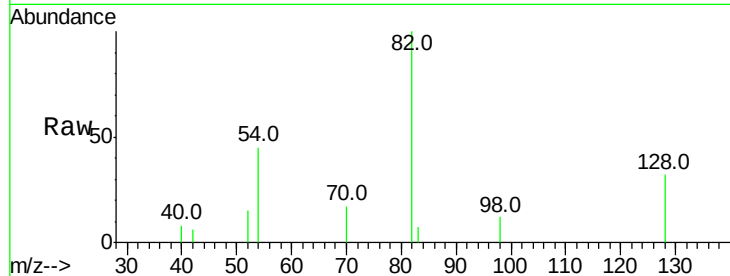




#23
Nitrobenzene-d5
Concen: 4.60 ng
RT: 9.31 min Scan# 1102
Delta R.T. -0.01 min
Lab File: BG021207.D
Acq: 2 Mar 2016 6:20

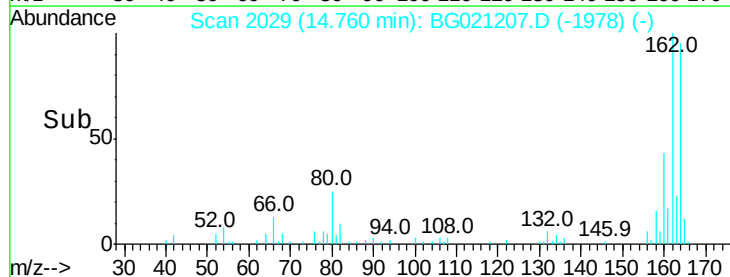
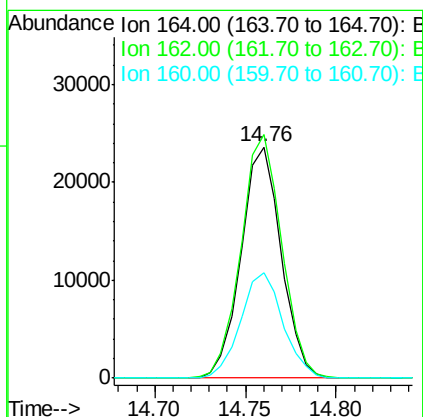
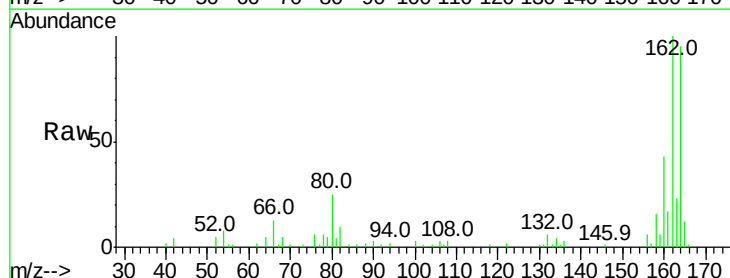
Instrument :
BNA_G
ClientSampleId :
P-09RE

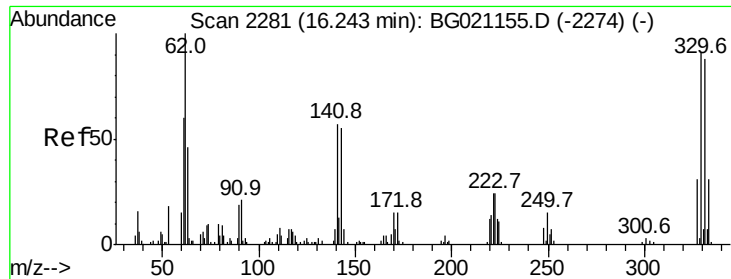
Tot Ion: 82 Resp: 7237
Ion Ratio Lower Upper
82 100
128 31.8 36.3 54.5#
54 44.5 37.6 56.4



#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 14.76 min Scan# 2029
Delta R.T. -0.00 min
Lab File: BG021207.D
Acq: 2 Mar 2016 6:20

Tgt Ion: 164 Resp: 36227
Ion Ratio Lower Upper
164 100
162 105.3 80.6 120.8
160 45.5 36.5 54.7





#41

2,4,6-Tribromophenol

Concen: 6.29 ng

RT: 16.23 min Scan# 2280

Delta R.T. -0.01 min

Lab File: BG021207.D

Acq: 2 Mar 2016 6:20

Instrument :

BNA_G

ClientSampled :

P-09RE

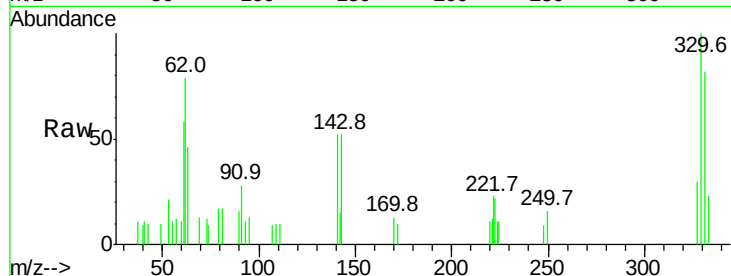
Tot Ion:330 Resp: 2372

Ion Ratio Lower Upper

330 100

332 88.5 77.4 116.0

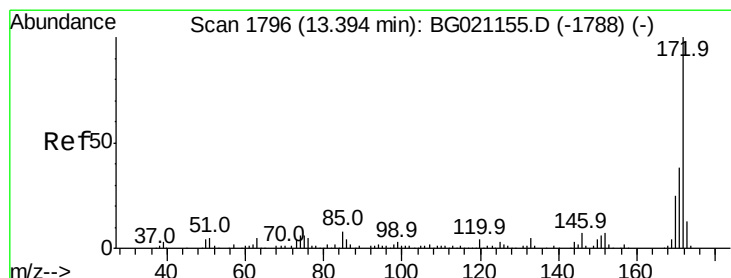
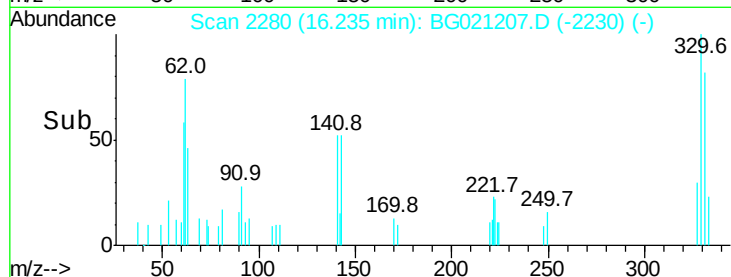
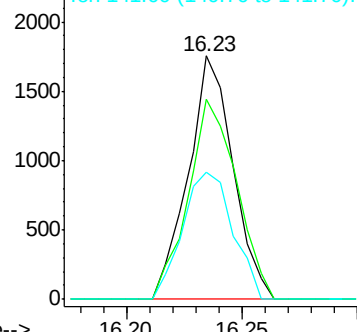
141 58.3 35.3 52.9#



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: 4.66 ng

RT: 13.38 min Scan# 1795

Delta R.T. -0.01 min

Lab File: BG021207.D

Acq: 2 Mar 2016 6:20

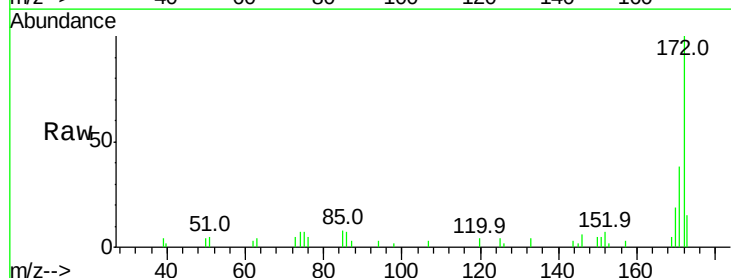
Tgt Ion:172 Resp: 11896

Ion Ratio Lower Upper

172 100

171 37.9 29.4 44.0

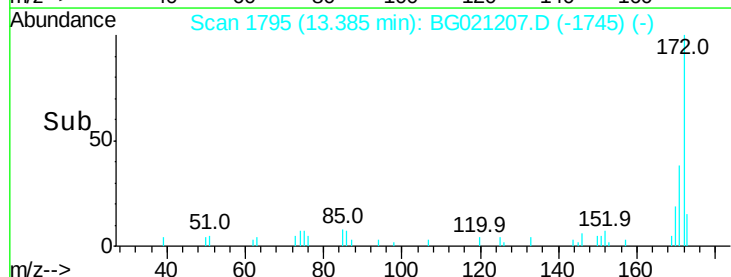
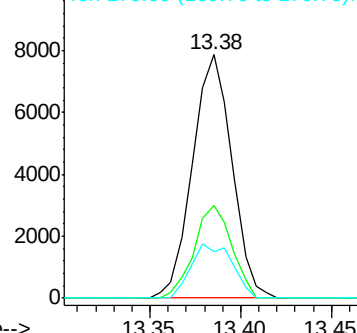
170 19.1 19.8 29.8#

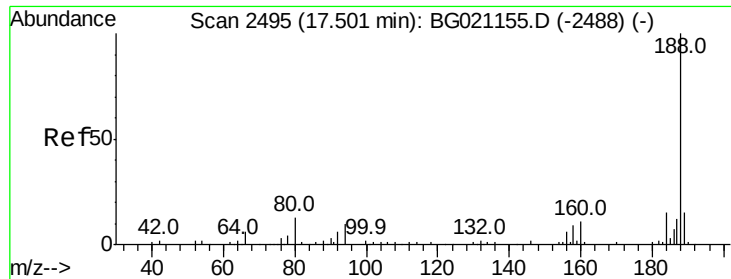


Abundance Ion 172.00 (171.70 to 172.70): E

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: 17.49 min Scan# 2494

Delta R.T. -0.01 min

Lab File: BG021207.D

Acq: 2 Mar 2016 6:20

Instrument :

BNA_G

ClientSampleId :

P-09RE

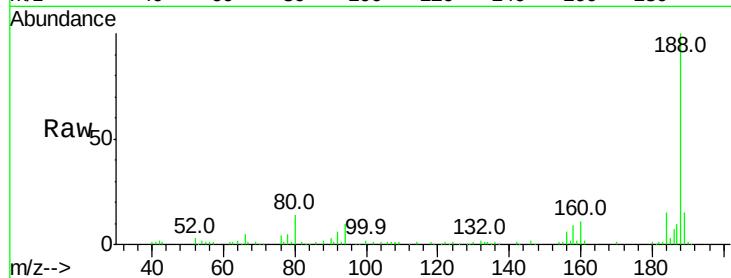
Tot Ion:188 Resp: 74943

Ion Ratio Lower Upper

188 100

94 10.2 8.2 12.4

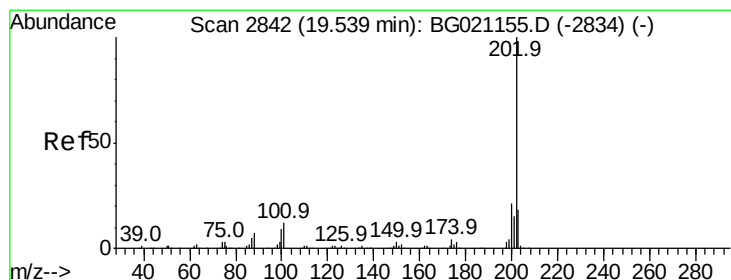
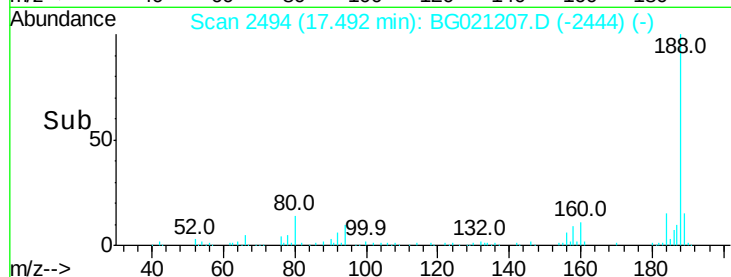
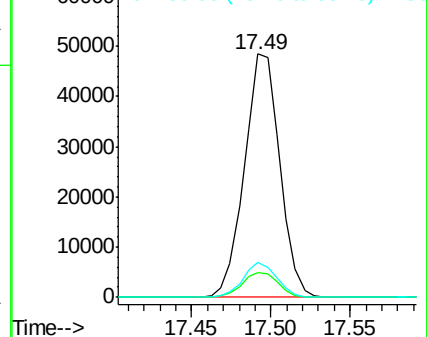
80 14.1 9.2 13.8#



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BG

Ion 80.00 (79.70 to 80.70): BG



#74

Fluoranthene

Concen: 6.35 ng

RT: 19.53 min Scan# 2841

Delta R.T. -0.01 min

Lab File: BG021207.D

Acq: 2 Mar 2016 6:20

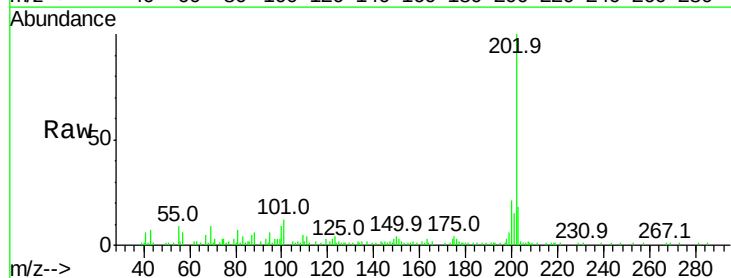
Tgt Ion:202 Resp: 30190

Ion Ratio Lower Upper

202 100

101 12.0 0.0 32.5

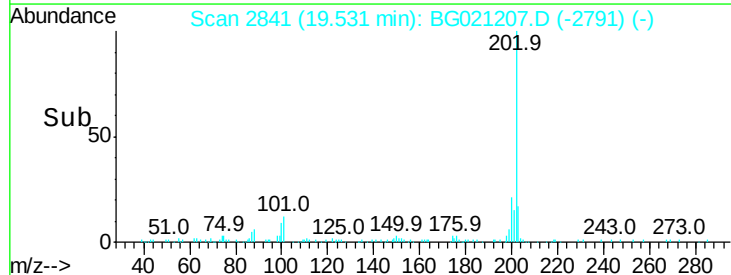
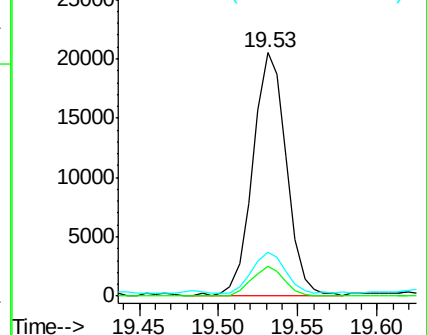
203 18.2 0.0 37.6

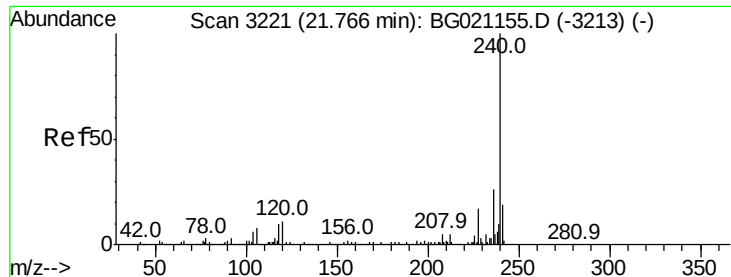


Abundance Ion 202.00 (201.70 to 202.70): E

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: 21.76 min Scan# 3220

Delta R.T. -0.01 min

Lab File: BG021207.D

Acq: 2 Mar 2016 6:20

Instrument :

BNA_G

ClientSampleId :

P-09RE

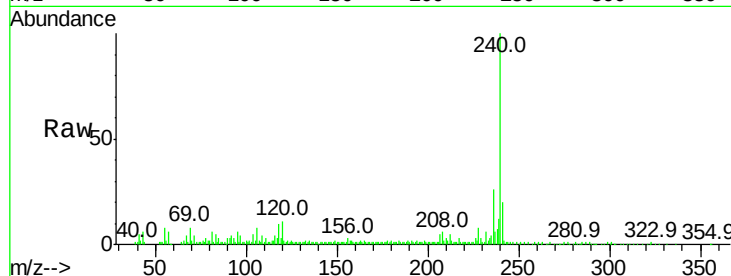
Tot Ion:240 Resp: 81478

Ion Ratio Lower Upper

240 100

120 10.6 7.5 11.3

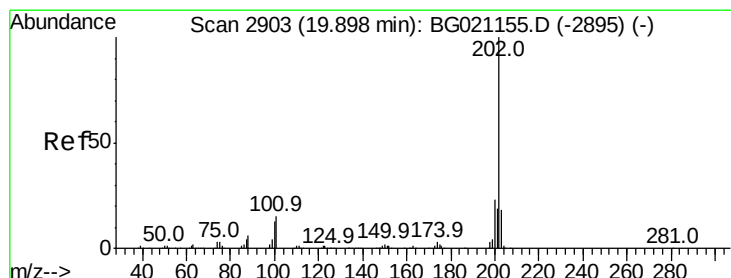
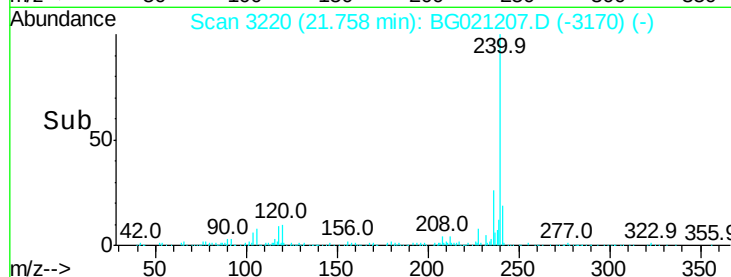
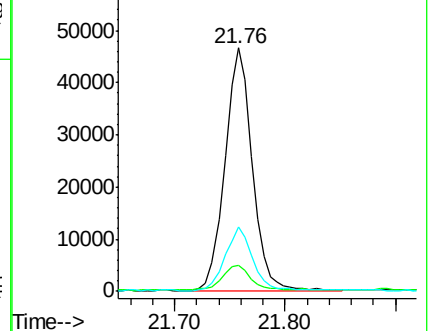
236 26.4 20.5 30.7



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: 6.25 ng

RT: 19.89 min Scan# 2903

Delta R.T. -0.00 min

Lab File: BG021207.D

Acq: 2 Mar 2016 6:20

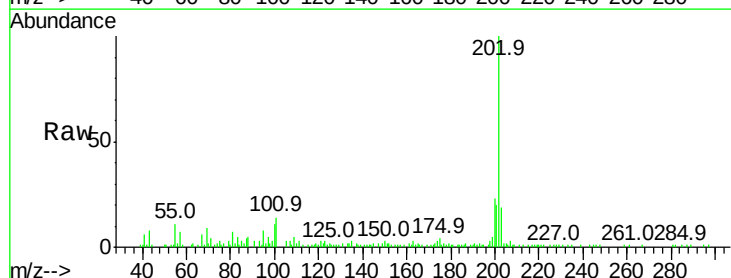
Tgt Ion:202 Resp: 30379

Ion Ratio Lower Upper

202 100

200 23.1 16.6 25.0

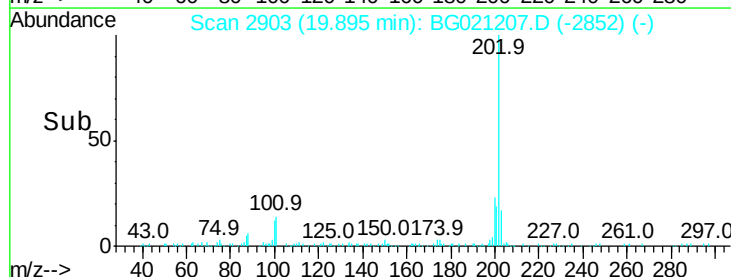
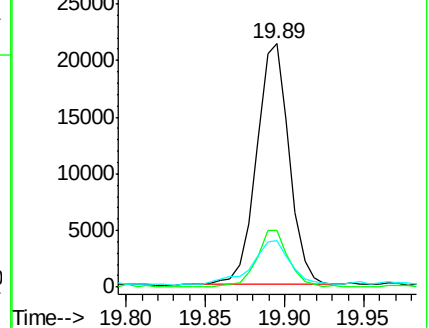
203 19.2 13.8 20.8

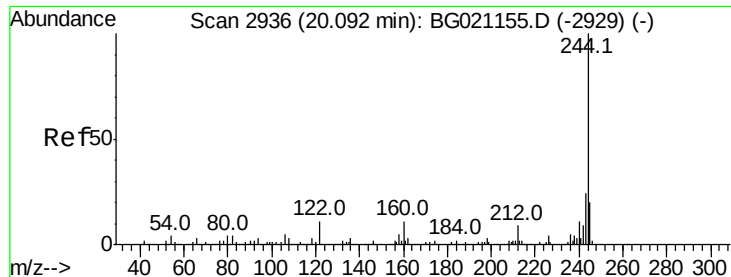


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 4.51 ng

RT: 20.08 min Scan# 2934

Delta R.T. -0.01 min

Lab File: BG021207.D

Acq: 2 Mar 2016 6:20

Instrument :

BNA_G

ClientSampleId :

P-09RE

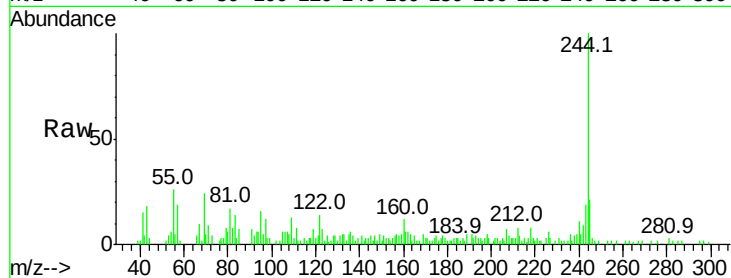
Tot Ion:244 Resp: 15159

Ion Ratio Lower Upper

244 100

212 8.3 5.8 8.6

122 13.9 8.3 12.5#

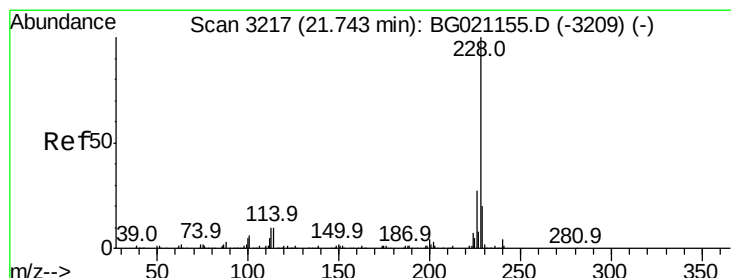
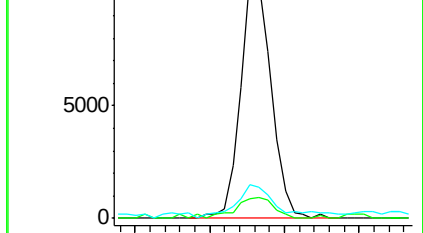
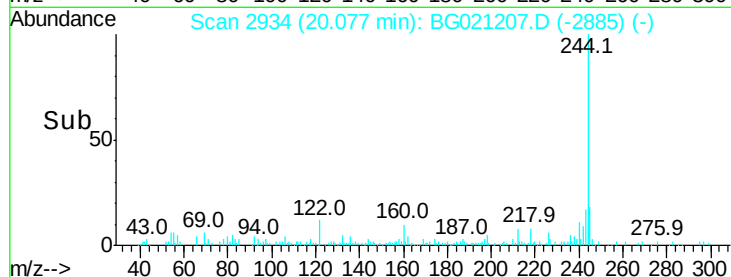


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

Time-->



#80

Benzo(a)anthracene

Concen: 4.63 ng

RT: 21.74 min Scan# 3217

Delta R.T. -0.00 min

Lab File: BG021207.D

Acq: 2 Mar 2016 6:20

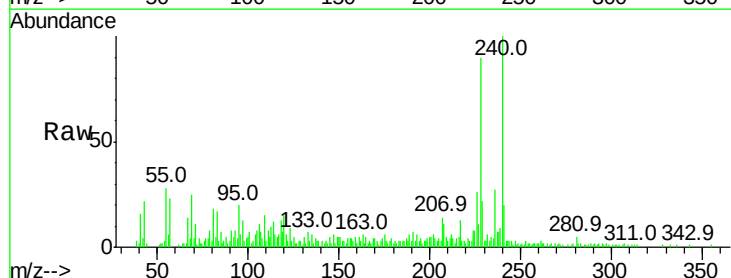
Tgt Ion:228 Resp: 22338

Ion Ratio Lower Upper

228 100

226 29.0 22.7 34.1

229 24.1 15.5 23.3#

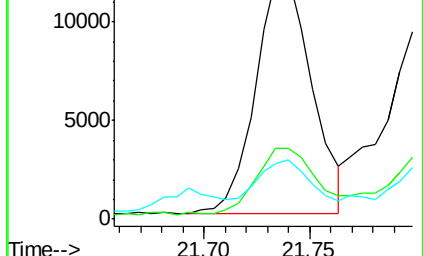
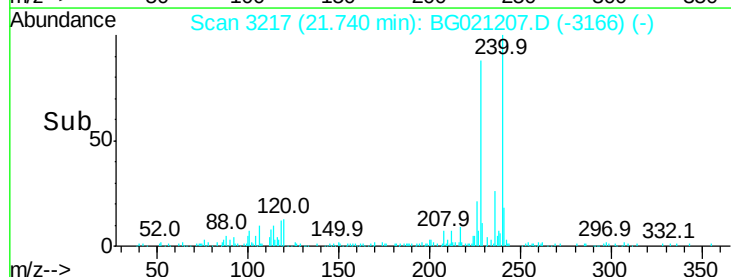


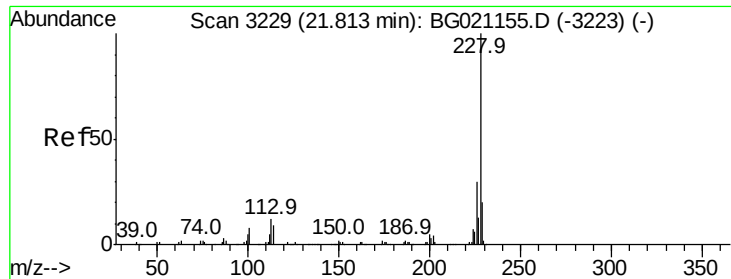
Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

Time-->

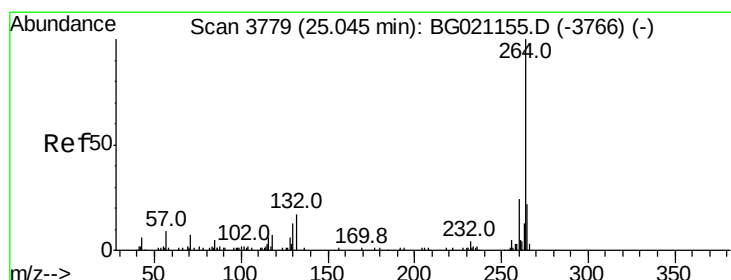
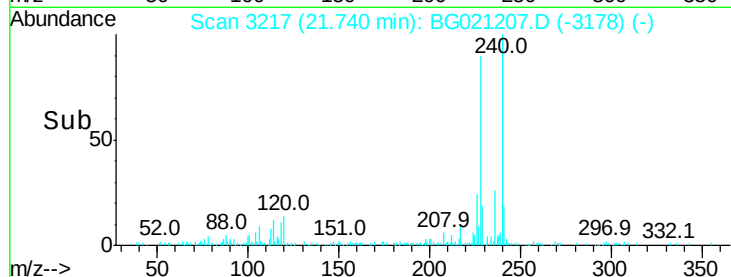
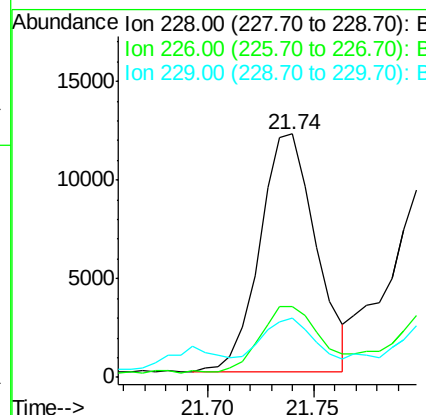
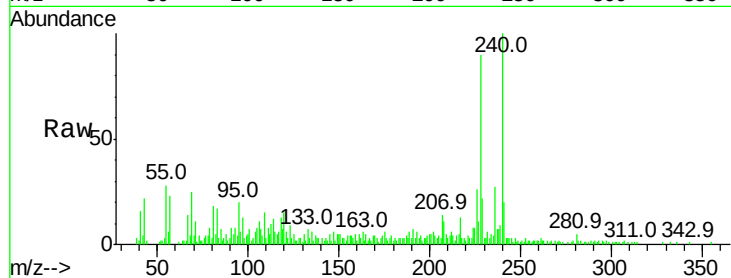




#82
Chrysene
Concen: 4.89 ng
RT: 21.74 min Scan# 3217
Delta R.T. -0.07 min
Lab File: BG021207.D
Acq: 2 Mar 2016 6:20

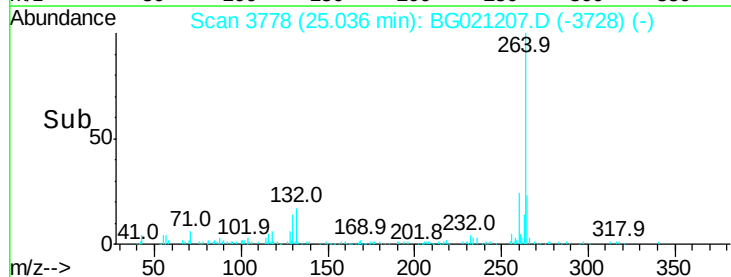
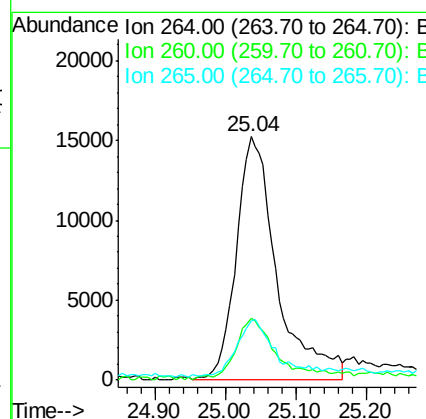
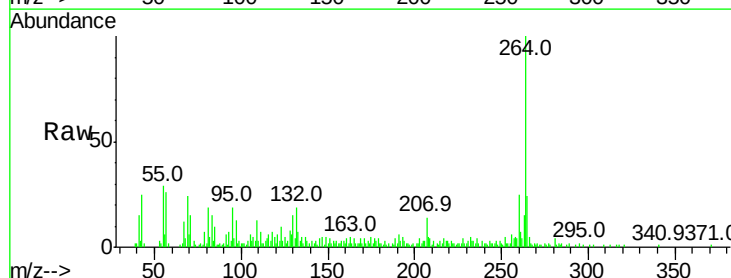
Instrument :
BNA_G
ClientSampleId :
P-09RE

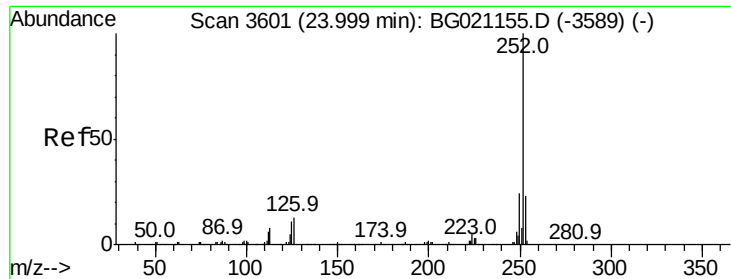
Tot Ion:228 Resp: 22374
Ion Ratio Lower Upper
228 100
226 29.0 23.7 35.5
229 24.1 16.7 25.1



#86
Perylene-d12
Concen: 20.00 ng
RT: 25.04 min Scan# 3778
Delta R.T. -0.01 min
Lab File: BG021207.D
Acq: 2 Mar 2016 6:20

Tgt Ion:264 Resp: 61186
Ion Ratio Lower Upper
264 100
260 25.4 18.5 27.7
265 24.4 18.6 28.0





#87

Benzo(b)fluoranthene

Concen: 9.03 ng

RT: 24.00 min Scan# 3602

Delta R.T. 0.00 min

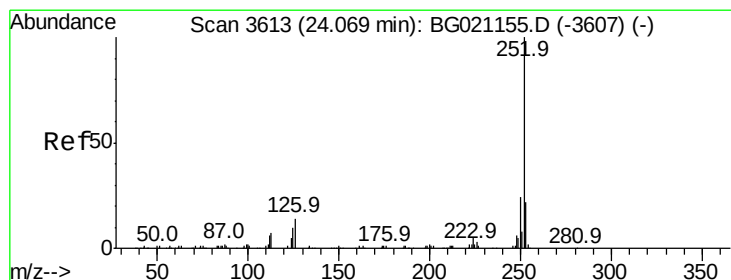
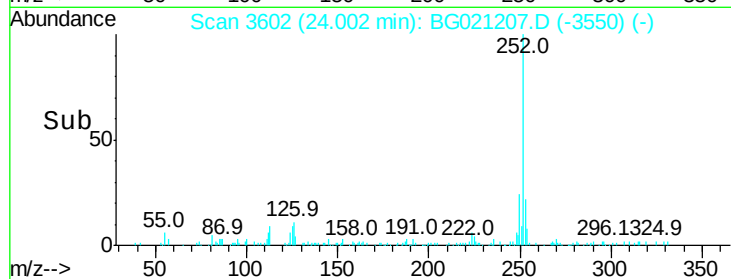
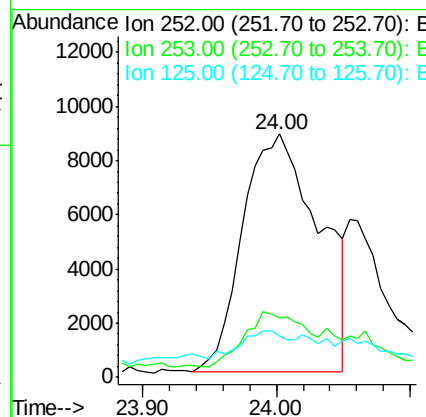
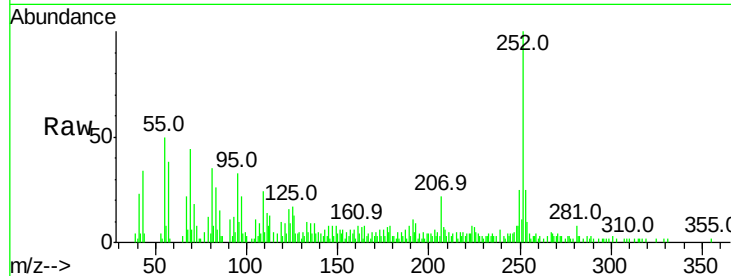
Lab File: BG021207.D

Acq: 2 Mar 2016 6:20

Instrument :
BNA_G
ClientSampleId :
P-09RE

Tot Ion:252 Resp: 34766

Ion	Ratio	Lower	Upper
252	100		
253	24.5	16.8	25.2
125	16.8	8.2	12.2#



#88

Benzo(k)fluoranthene

Concen: 9.02 ng

RT: 24.00 min Scan# 3602

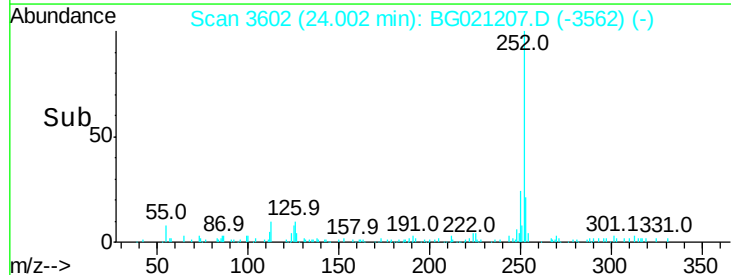
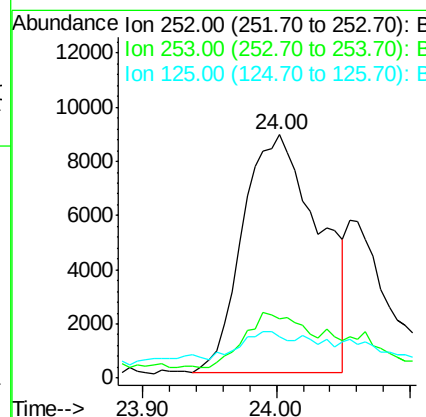
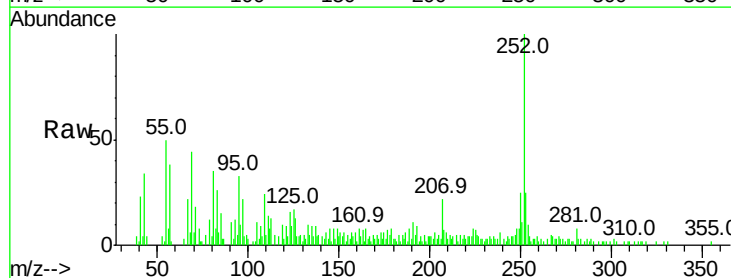
Delta R.T. -0.07 min

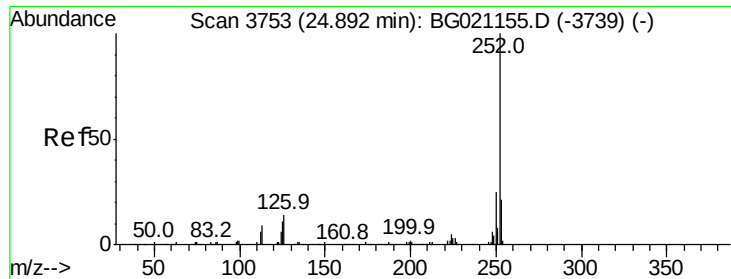
Lab File: BG021207.D

Acq: 2 Mar 2016 6:20

Tgt Ion:252 Resp: 34766

Ion	Ratio	Lower	Upper
252	100		
253	24.5	16.4	24.6
125	16.8	8.2	12.2#

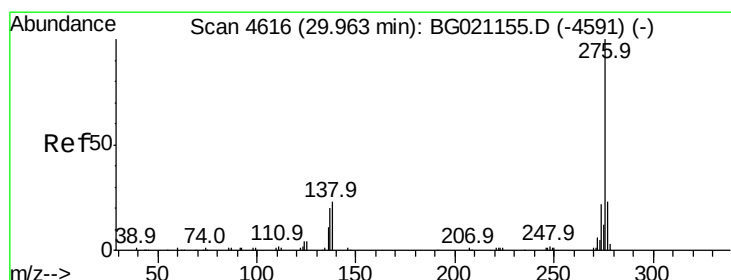
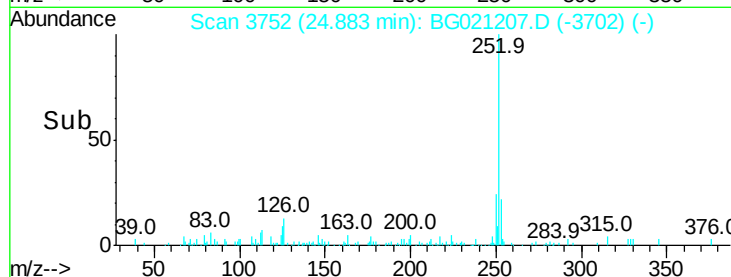
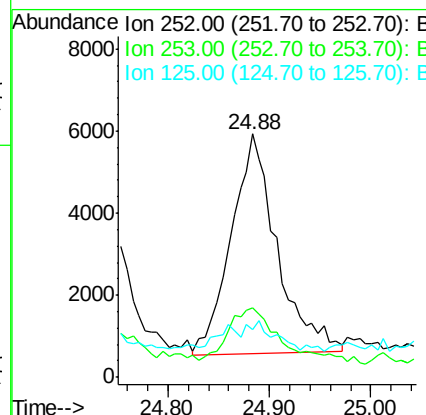
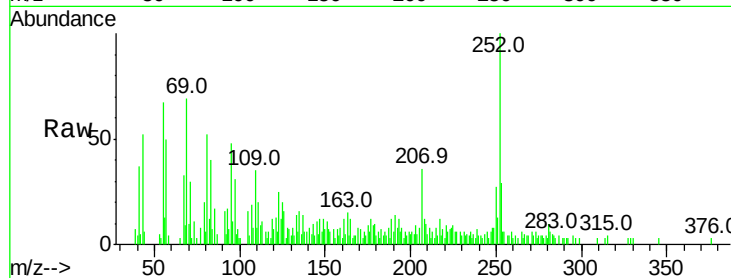




#89
Benzo(a)pyrene
Concen: 4.52 ng
RT: 24.88 min Scan# 3752
Delta R.T. -0.01 min
Lab File: BG021207.D
Acq: 2 Mar 2016 6:20

Instrument :
BNA_G
ClientSampleId :
P-09RE

Tot Ion	Ratio	Lower	Upper
252	100		
253	28.6	15.8	23.8#
125	19.9	8.4	12.6#



#91
Benzo(g,h,i)perylene
Concen: 2.64 ng
RT: 29.96 min Scan# 4616
Delta R.T. -0.00 min
Lab File: BG021207.D
Acq: 2 Mar 2016 6:20

Tgt Ion	Ratio	Lower	Upper
276	100		
277	32.4	16.6	25.0#
138	28.5	14.6	21.8#

