

Data Path : Z:\HPCHEM1\BNA G\DATA\BG061316\
 Data File : BG022329.D
 Acq On : 13 Jun 2016 18:17
 Operator : UM/SJ
 Sample : H3474-01
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 S7-B4(0-6)C

Quant Time: Jun 14 03:48:25 2016
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG060616.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jun 13 17:40:23 2016
 Response via : Initial Calibration

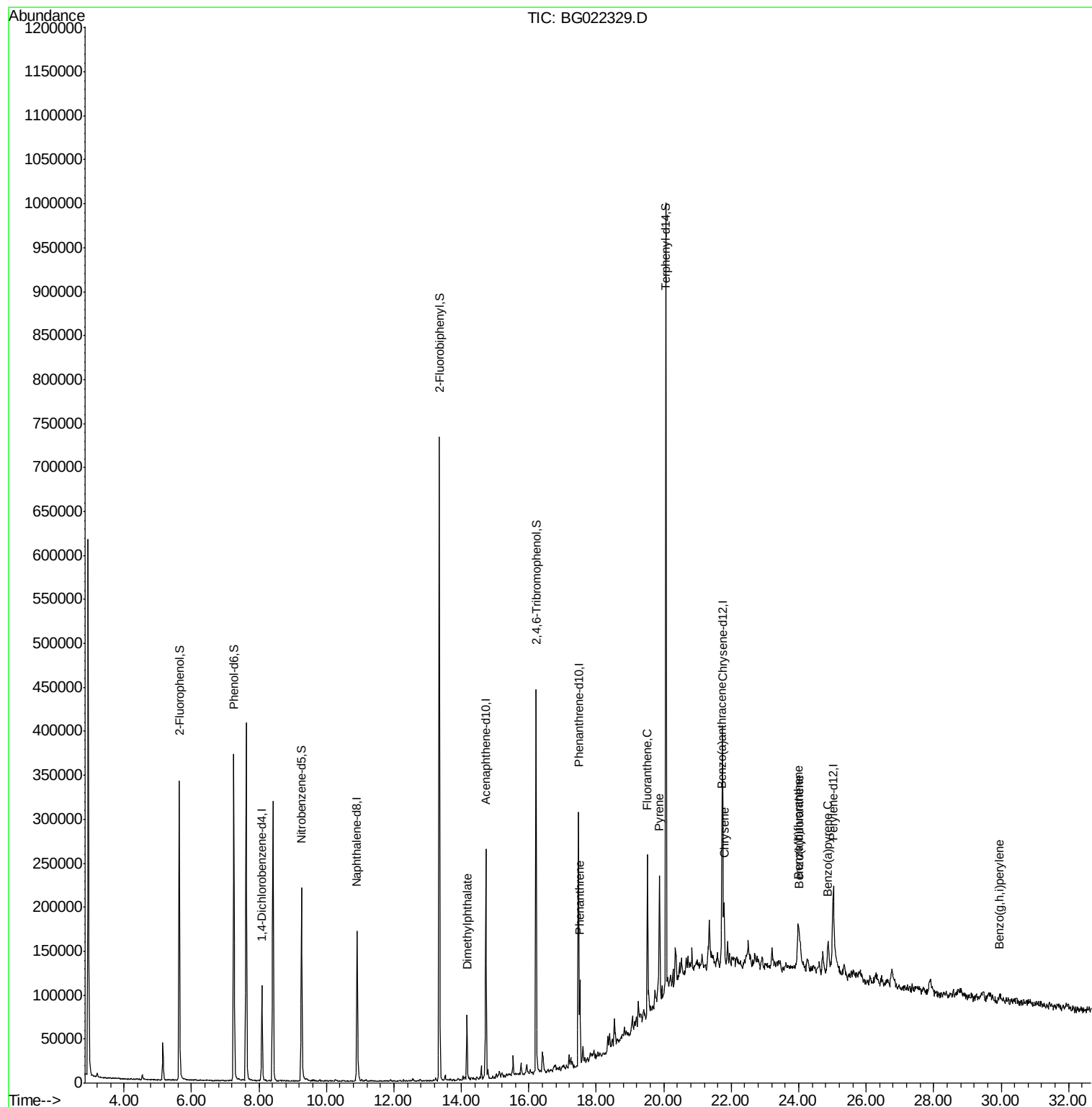
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.09	152	40024	20.00	ng	0.00
21) Naphthalene-d8	10.91	136	188304	20.00	ng	0.00
38) Acenaphthene-d10	14.73	164	98443	20.00	ng	0.00
63) Phenanthrene-d10	17.47	188	192742	20.00	ng	0.00
75) Chrysene-d12	21.74	240	151833	20.00	ng	0.00
86) Perylene-d12	25.03	264	132885	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.64	112	221599	107.05	ng	0.00
7) Phenol-d6	7.25	99	320553	98.49	ng	0.00
23) Nitrobenzene-d5	9.26	82	178034	65.92	ng	0.00
41) 2,4,6-Tribromophenol	16.21	330	92394	83.06	ng	0.00
44) 2-Fluorobiphenyl	13.35	172	430040	66.57	ng	0.00
78) Terphenyl-d14	20.06	244	420998	65.83	ng	0.00
Target Compounds						Qvalue
49) Dimethylphthalate	14.17	163	59954	7.35	ng	98
70) Phenanthrene	17.51	178	61463	5.87	ng	98
74) Fluoranthene	19.51	202	114013	9.47	ng	98
77) Pyrene	19.88	202	97214	10.30	ng	98
80) Benzo(a)anthracene	21.72	228	47813	5.62	ng	95
82) Chrysene	21.79	228	47928	5.78	ng	98
87) Benzo(b)fluoranthene	23.98	252	54757	7.07	ng	# 90
88) Benzo(k)fluoranthene	24.03	252	31945m	4.19	ng	
89) Benzo(a)pyrene	24.87	252	36012	4.86	ng	# 92
91) Benzo(g,h,i)perylene	29.96	276	16482m	2.27	ng	

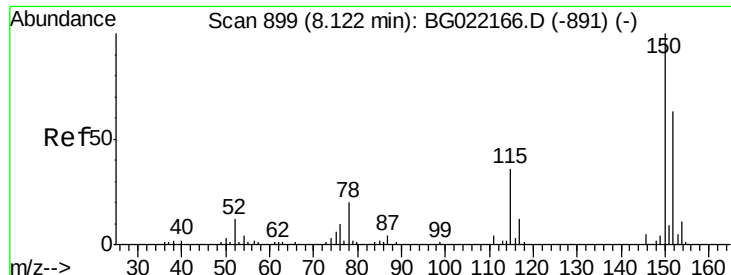
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 8.09 min Scan# 893

Delta R.T. -0.00 min

Lab File: BG022329.D

Acq: 13 Jun 2016 18:17

Instrument :

BNA_G

ClientSampleId :

S7-B4(0-6)C

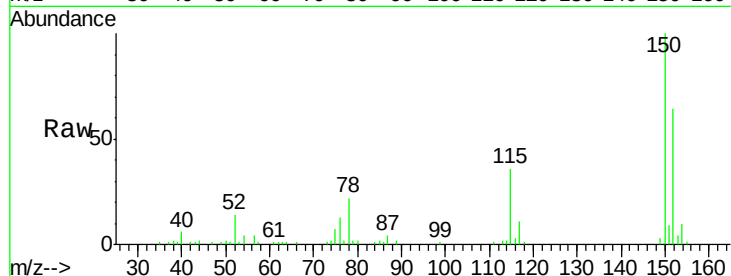
Tot Ion:152 Resp: 40024

Ion Ratio Lower Upper

152 100

150 156.4 130.1 195.1

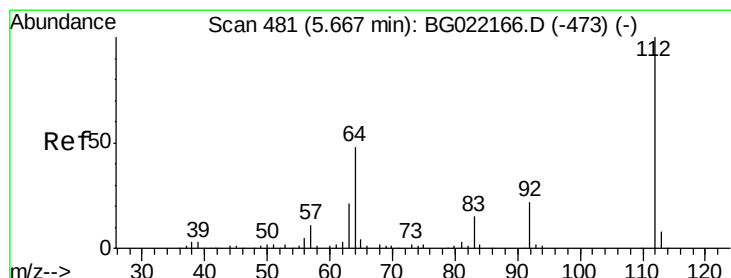
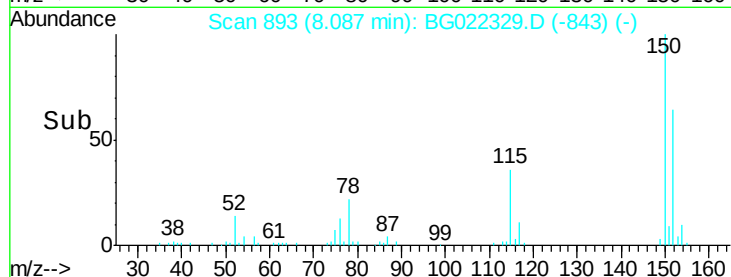
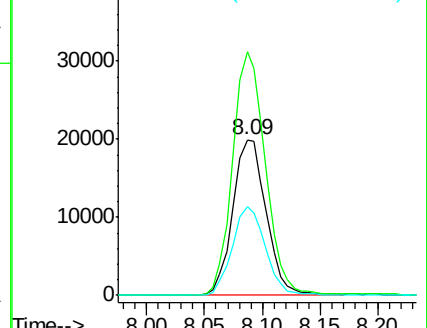
115 56.9 62.2 93.2#



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: 107.05 ng

RT: 5.64 min Scan# 476

Delta R.T. 0.00 min

Lab File: BG022329.D

Acq: 13 Jun 2016 18:17

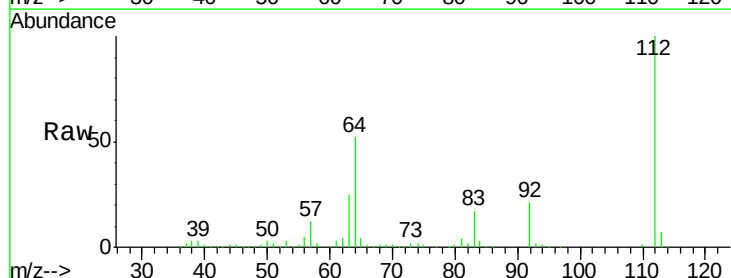
Tgt Ion:112 Resp: 221599

Ion Ratio Lower Upper

112 100

64 52.0 51.1 76.7

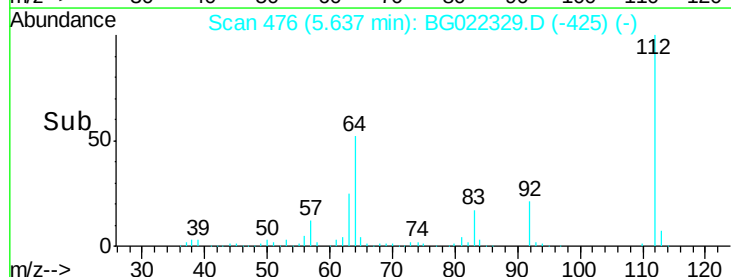
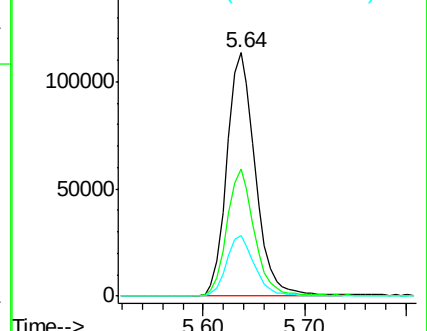
63 25.0 24.6 37.0

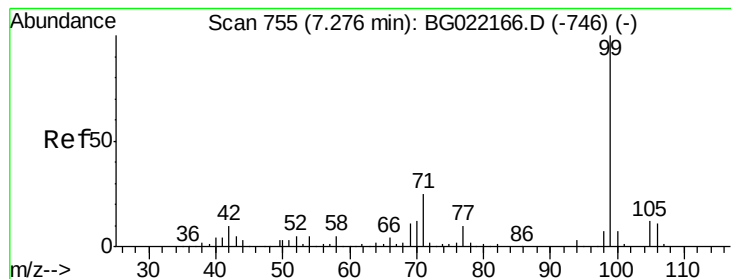


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BGC

Ion 63.00 (62.70 to 63.70): BGC





#7

Phenol-d6

Concen: 98.49 ng

RT: 7.25 min Scan# 751

Delta R.T. 0.00 min

Lab File: BG022329.D

Acq: 13 Jun 2016 18:17

Instrument :

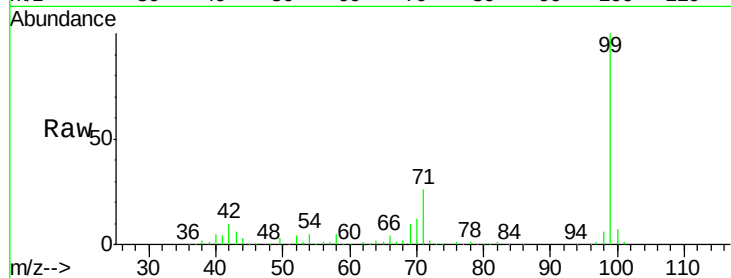
BNA_G

ClientSampleId :

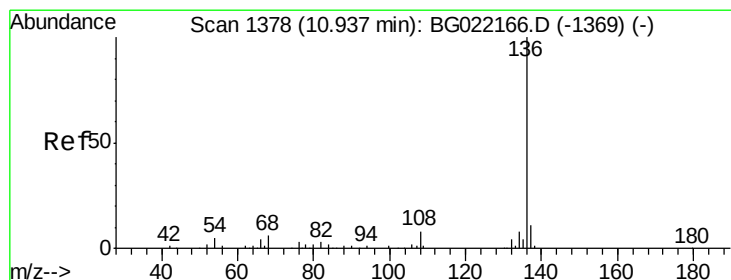
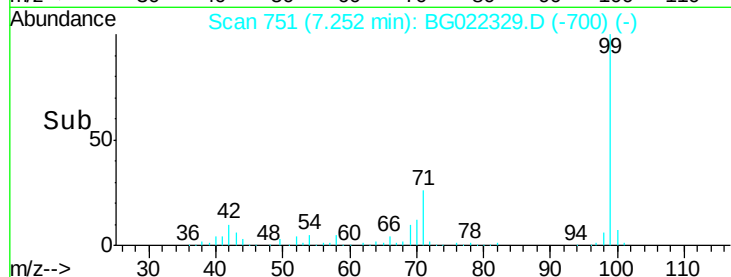
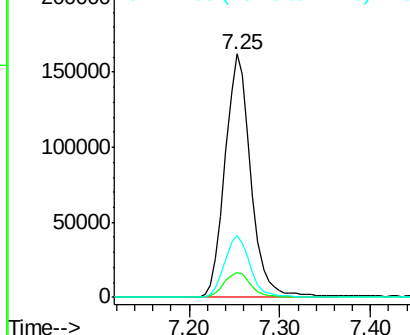
S7-B4(0-6)C

Tot Ion: 99 Resp: 320553

Ion	Ratio	Lower	Upper
99	100		
42	10.2	16.4	24.6#
71	25.7	25.0	37.4



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: 10.91 min Scan# 1373

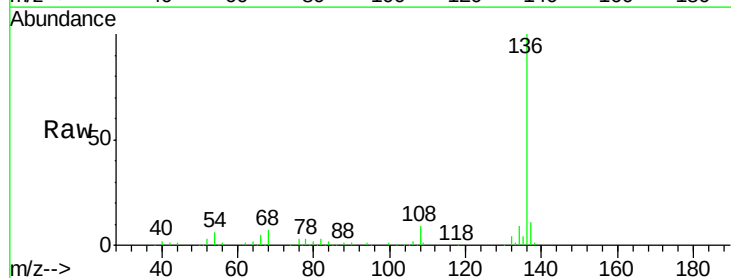
Delta R.T. 0.00 min

Lab File: BG022329.D

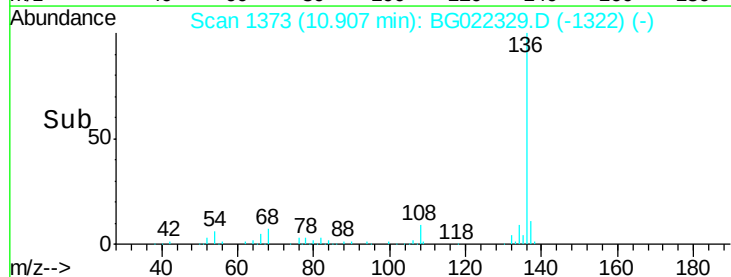
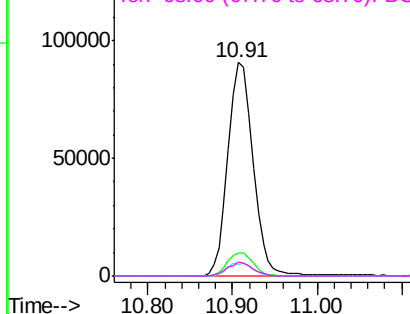
Acq: 13 Jun 2016 18:17

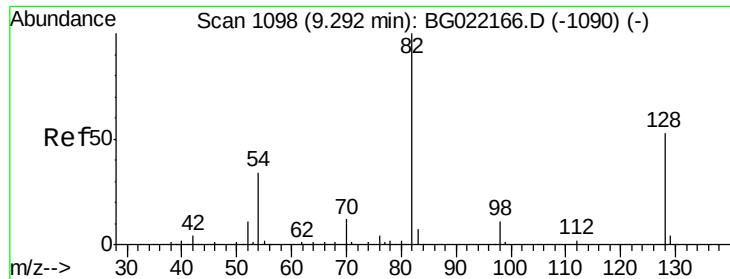
Tgt Ion: 136 Resp: 188304

Ion	Ratio	Lower	Upper
136	100		
137	11.1	9.0	13.4
54	5.7	9.6	14.4#
68	6.8	6.4	9.6



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

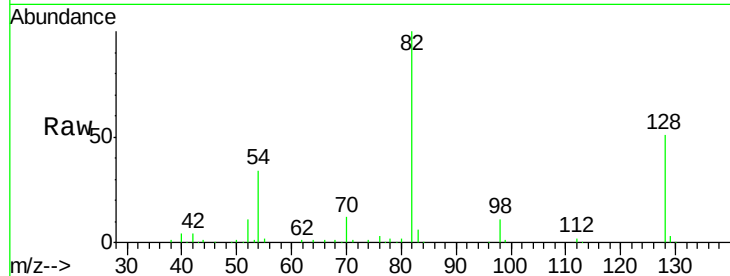




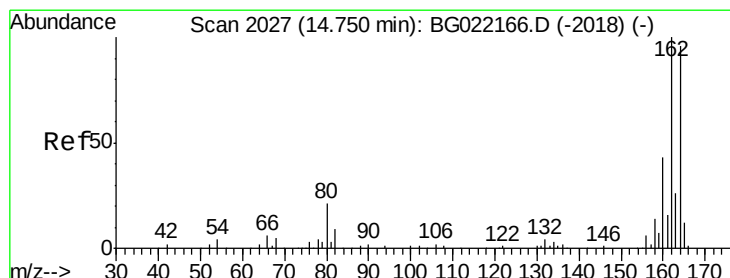
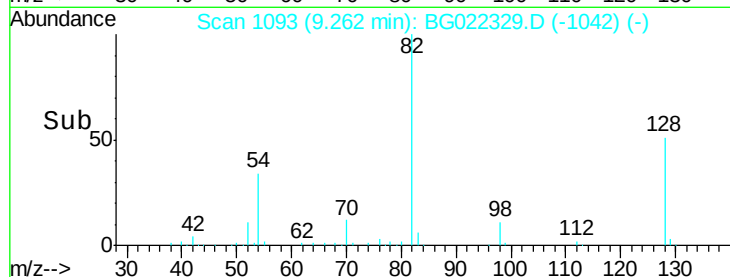
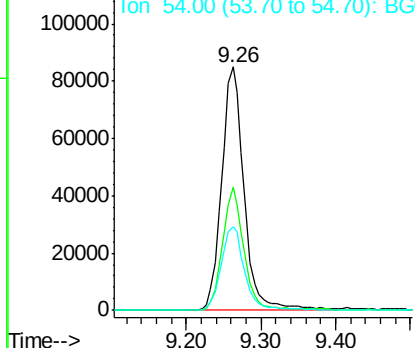
#23
Nitrobenzene-d5
Concen: 65.92 ng
RT: 9.26 min Scan# 1093
Delta R.T. 0.00 min
Lab File: BG022329.D
Acq: 13 Jun 2016 18:17

Instrument :
BNA_G
ClientSampled :
S7-B4(0-6)C

Tot Ion: 82 Resp: 178034
Ion Ratio Lower Upper
82 100
128 50.5 33.4 50.0#
54 34.5 46.1 69.1#

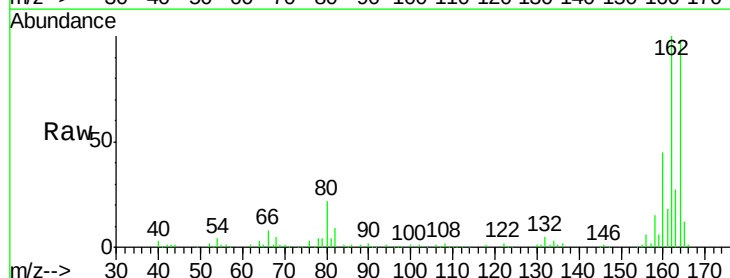


Abundance Ion 82.00 (81.70 to 82.70): BGC
Ion 128.00 (127.70 to 128.70): BGC
Ion 54.00 (53.70 to 54.70): BGC

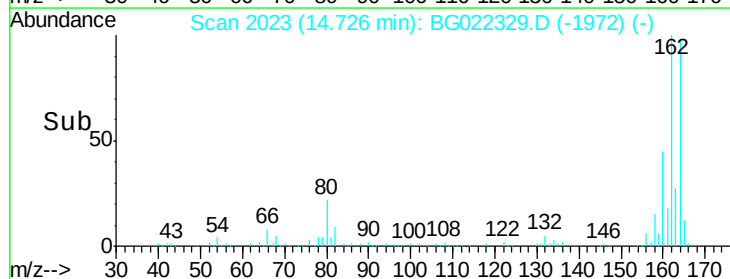
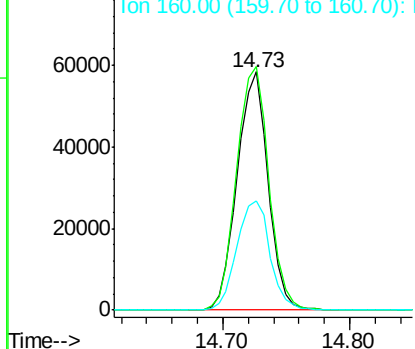


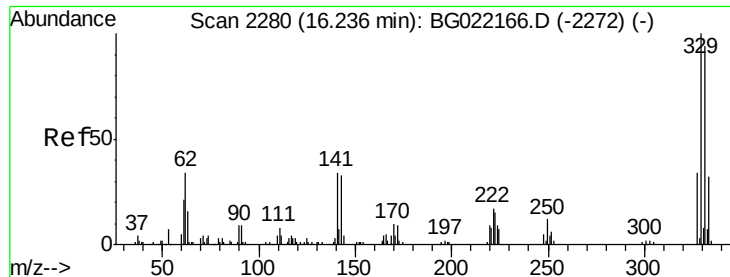
#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 14.73 min Scan# 2023
Delta R.T. 0.00 min
Lab File: BG022329.D
Acq: 13 Jun 2016 18:17

Tgt Ion:164 Resp: 98443
Ion Ratio Lower Upper
164 100
162 102.2 78.0 117.0
160 45.8 32.9 49.3



Abundance Ion 164.00 (163.70 to 164.70): BGC
Ion 162.00 (161.70 to 162.70): BGC
Ion 160.00 (159.70 to 160.70): BGC

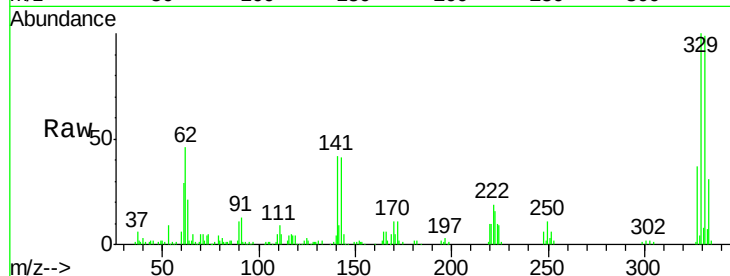




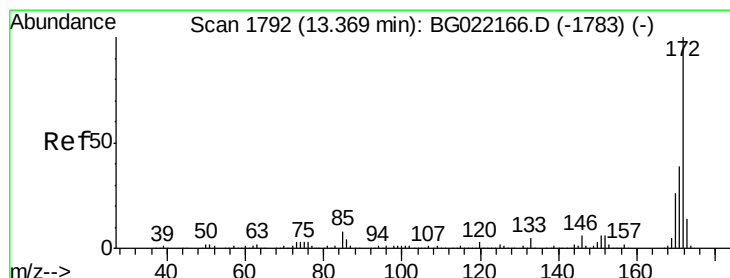
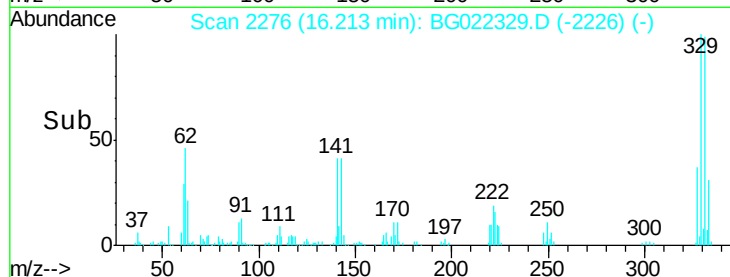
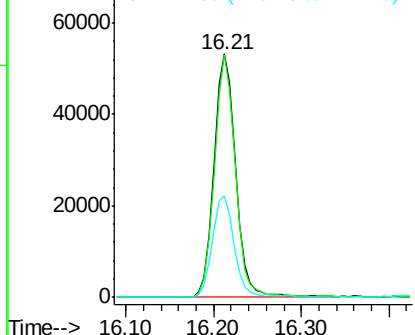
#41
 2,4,6-Tribromophenol
 Concen: 83.06 ng
 RT: 16.21 min Scan# 2276
 Delta R.T. -0.00 min
 Lab File: BG022329.D
 Acq: 13 Jun 2016 18:17

Instrument :
 BNA_G
 ClientSampleId :
 S7-B4(0-6)C

Tot Ion	Ratio	Lower	Upper
330	100		
332	95.6	78.0	117.0
141	42.4	33.8	50.8

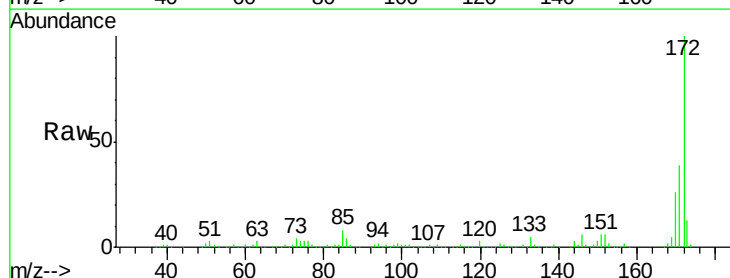


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

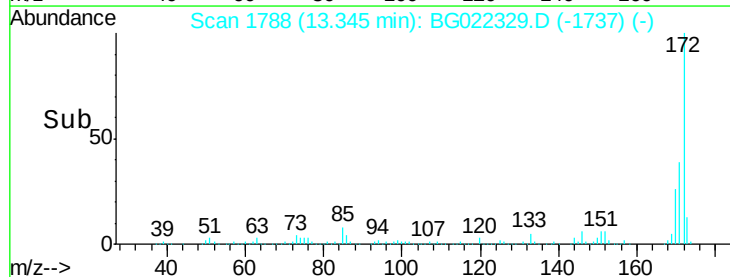
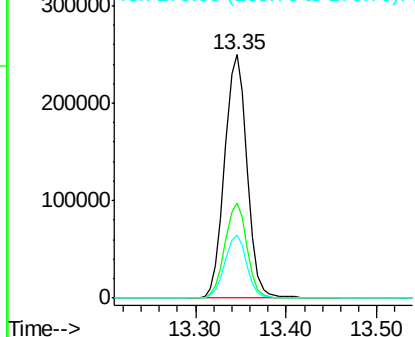


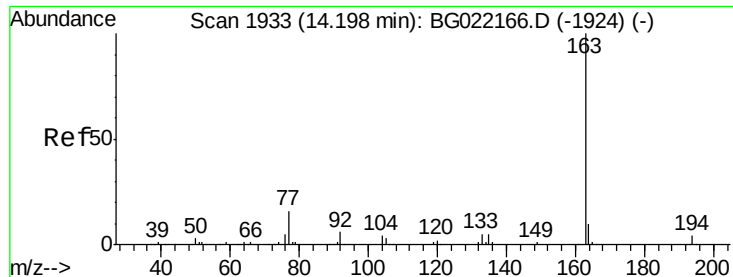
#44
 2-Fluorobiphenyl
 Concen: 66.57 ng
 RT: 13.35 min Scan# 1788
 Delta R.T. 0.00 min
 Lab File: BG022329.D
 Acq: 13 Jun 2016 18:17

Tgt Ion	Ratio	Lower	Upper
172	100		
171	39.0	27.8	41.6
170	26.0	19.6	29.4



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: 7.35 ng

RT: 14.17 min Scan# 1928

Delta R.T. -0.00 min

Lab File: BG022329.D

Acq: 13 Jun 2016 18:17

Instrument :

BNA_G

ClientSampleId :

S7-B4(0-6)C

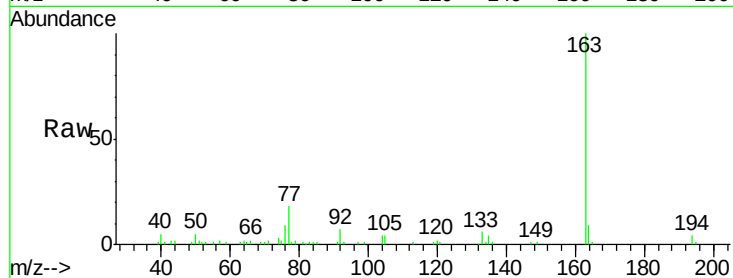
Tot Ion:163 Resp: 59954

Ion Ratio Lower Upper

163 100

194 4.1 3.0 4.6

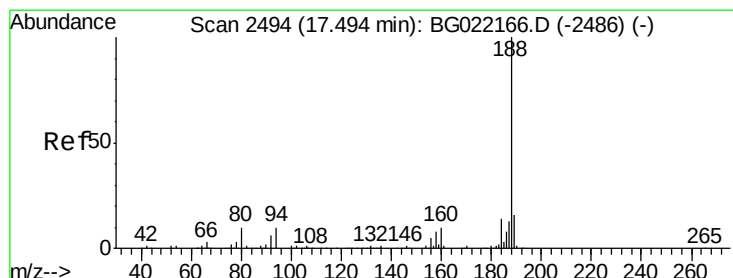
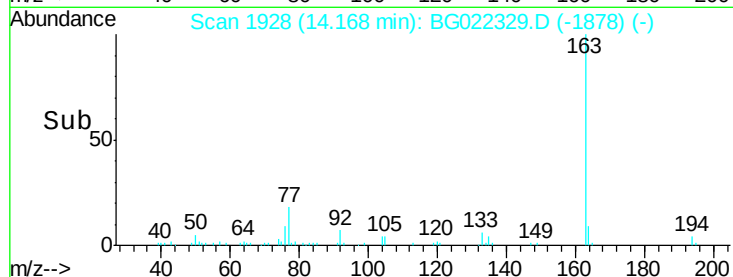
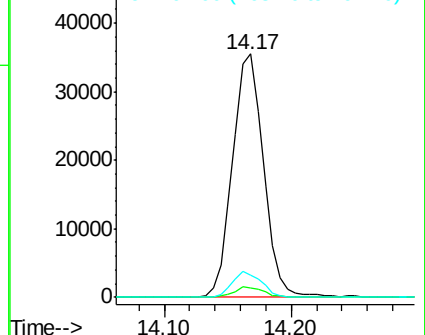
164 9.1 8.1 12.1



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: 17.47 min Scan# 2490

Delta R.T. 0.00 min

Lab File: BG022329.D

Acq: 13 Jun 2016 18:17

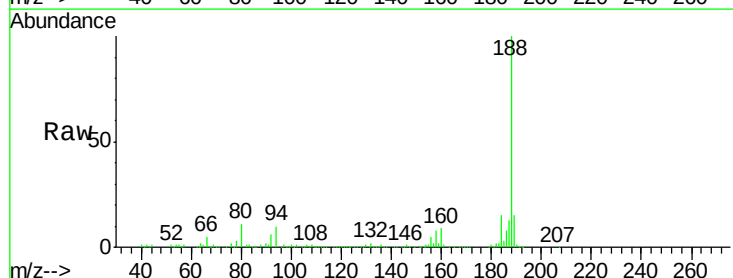
Tgt Ion:188 Resp: 192742

Ion Ratio Lower Upper

188 100

94 10.4 7.5 11.3

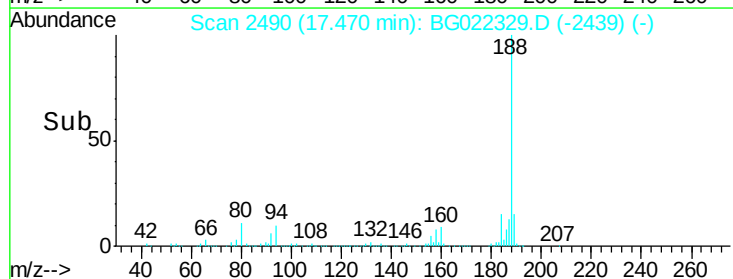
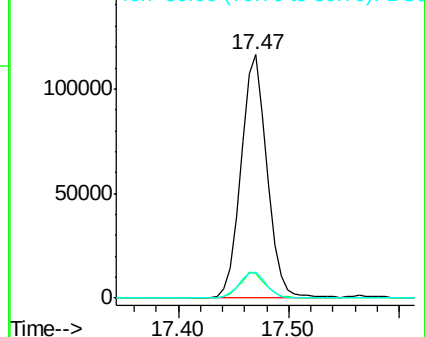
80 10.5 8.6 13.0

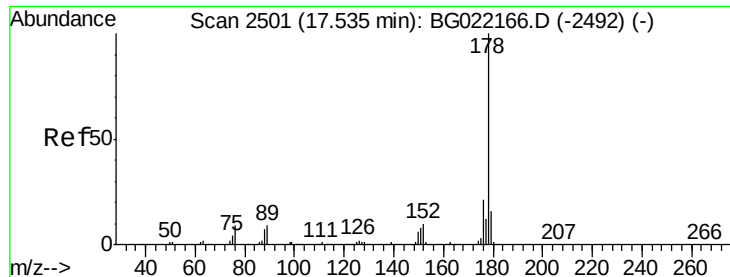


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC





#70

Phenanthrene

Concen: 5.87 ng

RT: 17.51 min Scan# 2497

Delta R.T. 0.00 min

Lab File: BG022329.D

Acq: 13 Jun 2016 18:17

Instrument :

BNA_G

ClientSampleId :

S7-B4(0-6)C

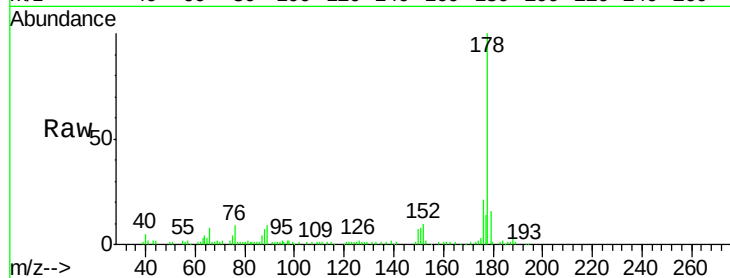
Tot Ion:178 Resp: 61463

Ion Ratio Lower Upper

178 100

176 21.2 16.2 24.4

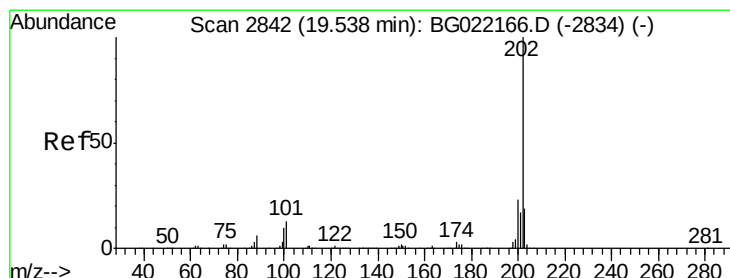
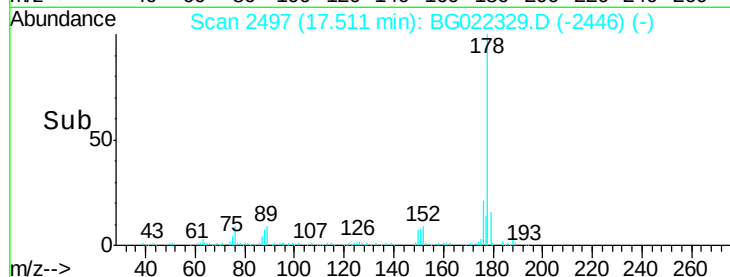
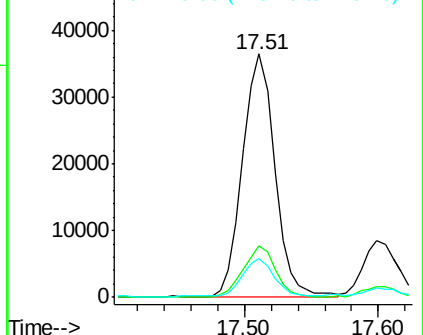
179 15.7 12.0 18.0



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: 9.47 ng

RT: 19.51 min Scan# 2838

Delta R.T. 0.00 min

Lab File: BG022329.D

Acq: 13 Jun 2016 18:17

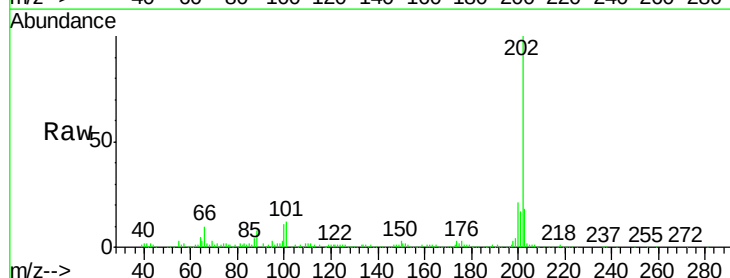
Tgt Ion:202 Resp: 114013

Ion Ratio Lower Upper

202 100

101 12.3 0.0 31.0

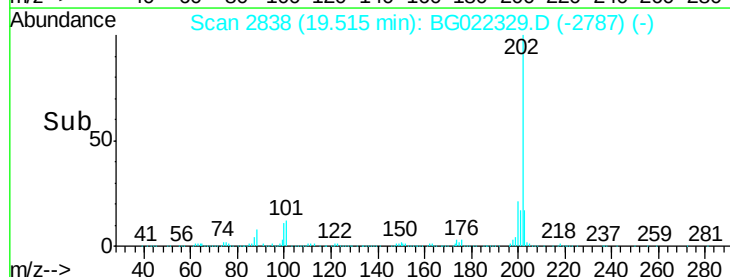
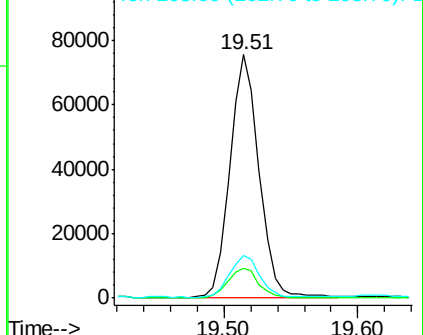
203 17.6 0.0 37.9

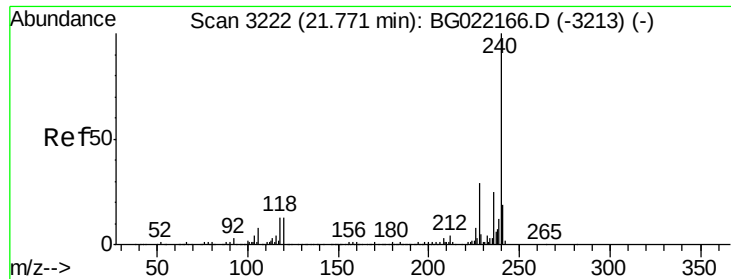


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

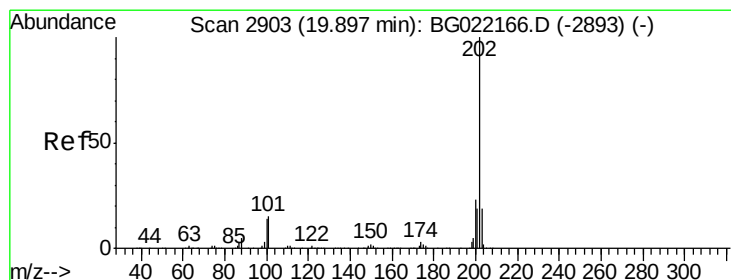
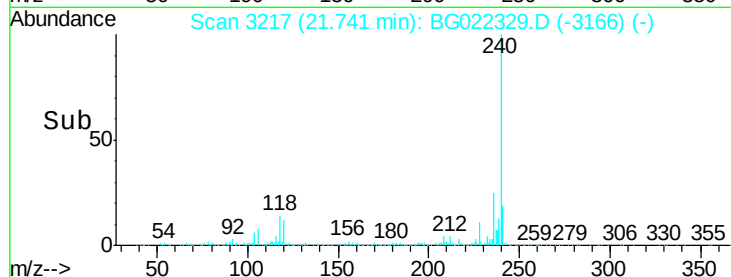
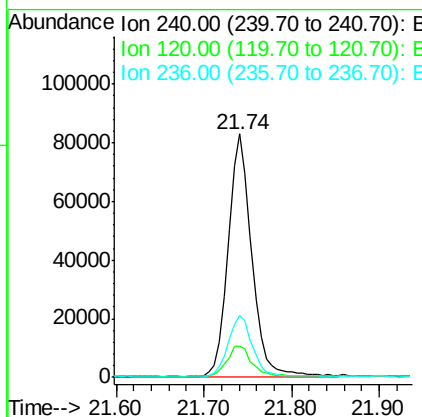
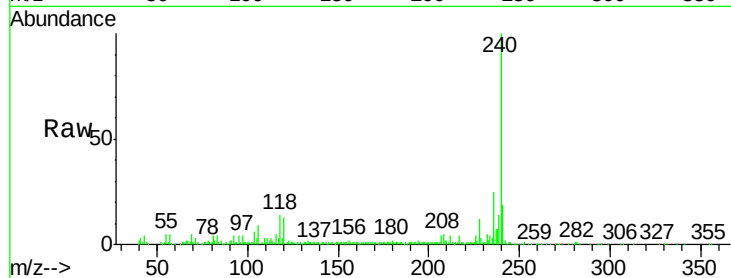




#75
Chrysene-d12
Concen: 20.00 ng
RT: 21.74 min Scan# 3217
Delta R.T. 0.00 min
Lab File: BG022329.D
Acq: 13 Jun 2016 18:17

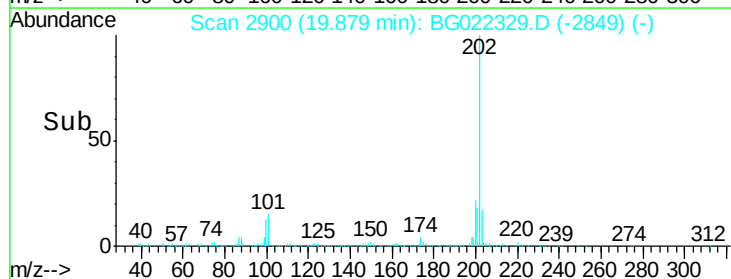
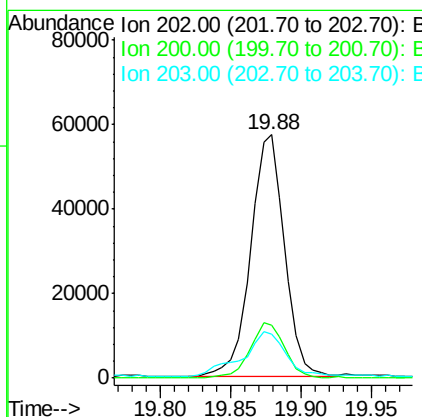
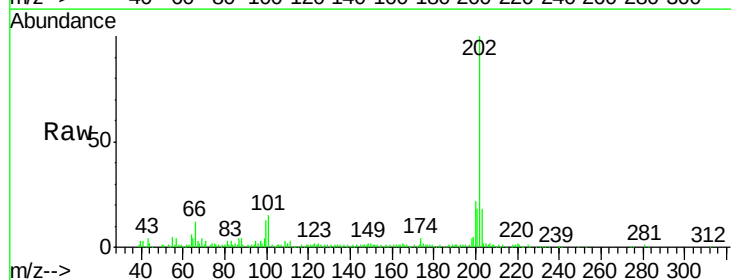
Instrument :
BNA_G
ClientSampled :
S7-B4(0-6)C

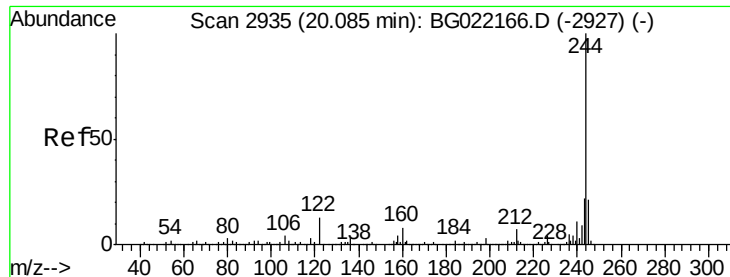
Tot Ion:240 Resp: 151833
Ion Ratio Lower Upper
240 100
120 12.9 8.4 12.6#
236 25.5 19.6 29.4



#77
Pyrene
Concen: 10.30 ng
RT: 19.88 min Scan# 2900
Delta R.T. 0.00 min
Lab File: BG022329.D
Acq: 13 Jun 2016 18:17

Tgt Ion:202 Resp: 97214
Ion Ratio Lower Upper
202 100
200 21.6 18.2 27.2
203 18.1 15.0 22.4





#78

Terphenyl-d14

Concen: 65.83 ng

RT: 20.06 min Scan# 2931

Delta R.T. 0.00 min

Lab File: BG022329.D

Acq: 13 Jun 2016 18:17

Instrument :

BNA_G

ClientSampleId :

S7-B4(0-6)C

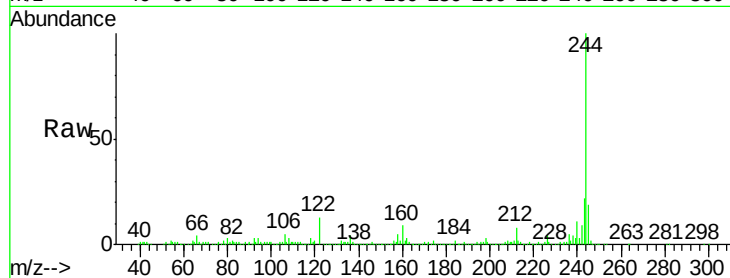
Tot Ion:244 Resp: 420998

Ion Ratio Lower Upper

244 100

212 7.6 6.5 9.7

122 13.3 8.6 12.8#



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

300000

200000

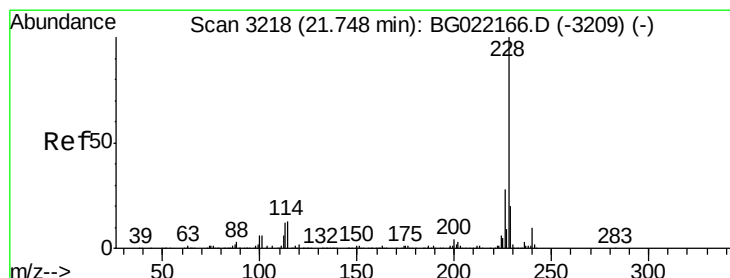
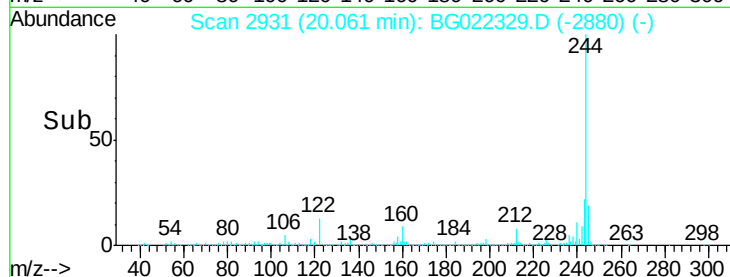
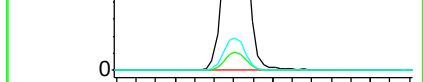
100000

0

20.06

20.10

20.20



#80

Benzo(a)anthracene

Concen: 5.62 ng

RT: 21.72 min Scan# 3213

Delta R.T. -0.00 min

Lab File: BG022329.D

Acq: 13 Jun 2016 18:17

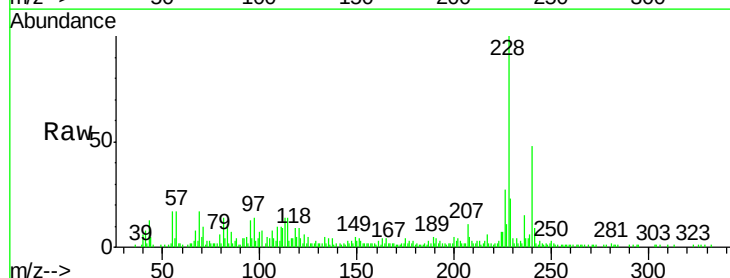
Tgt Ion:228 Resp: 47813

Ion Ratio Lower Upper

228 100

226 26.6 22.6 34.0

229 23.1 16.1 24.1



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

30000

25000

20000

15000

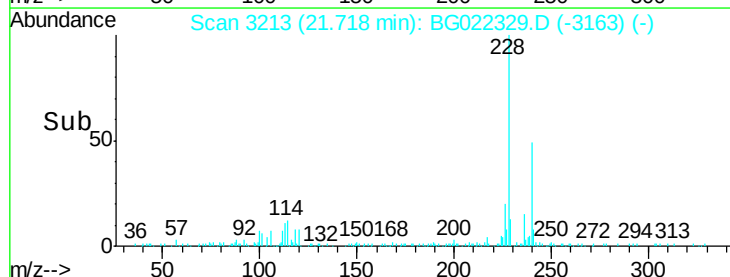
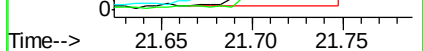
10000

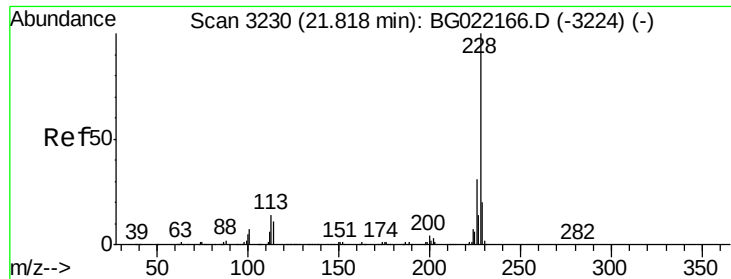
5000

0

21.72

21.75





#82

Chrysene

Concen: 5.78 ng

RT: 21.79 min Scan# 3225

Delta R.T. 0.00 min

Lab File: BG022329.D

Acq: 13 Jun 2016 18:17

Instrument :

BNA_G

ClientSampleId :

S7-B4(0-6)C

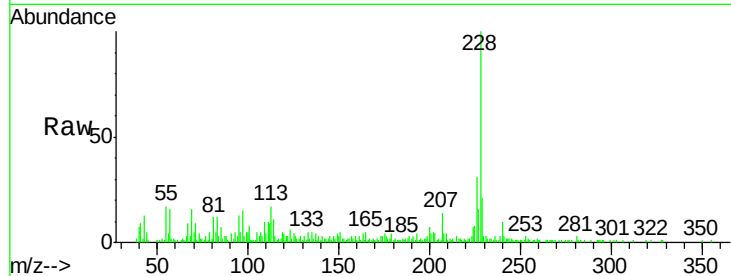
Tot Ion:228 Resp: 47928

Ion Ratio Lower Upper

228 100

226 30.6 25.4 38.0

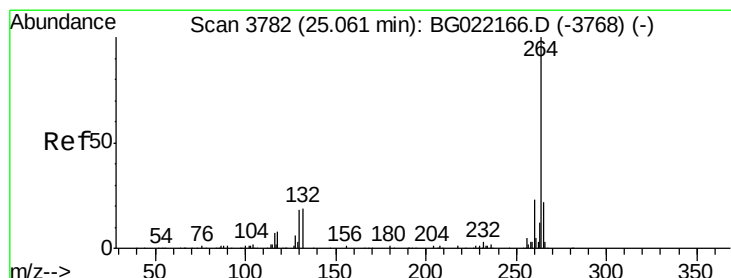
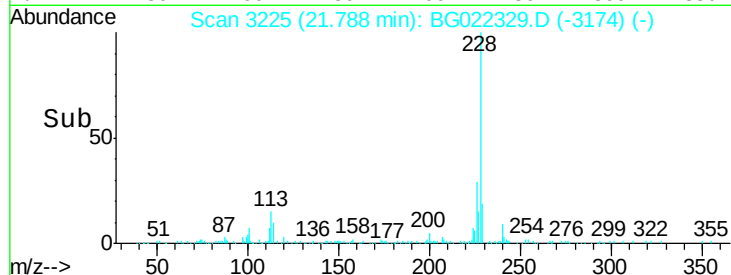
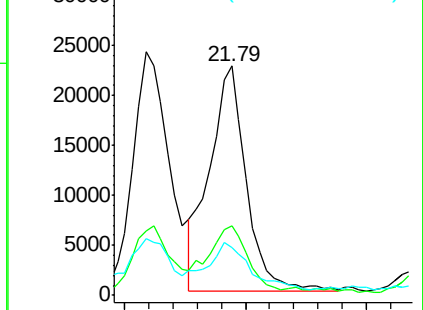
229 21.1 15.9 23.9



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: 25.03 min Scan# 3776

Delta R.T. 0.01 min

Lab File: BG022329.D

Acq: 13 Jun 2016 18:17

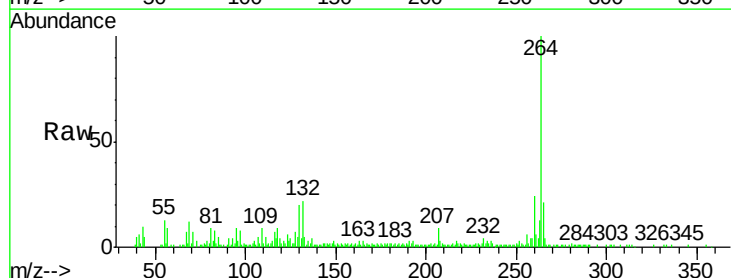
Tgt Ion:264 Resp: 132885

Ion Ratio Lower Upper

264 100

260 24.5 20.2 30.4

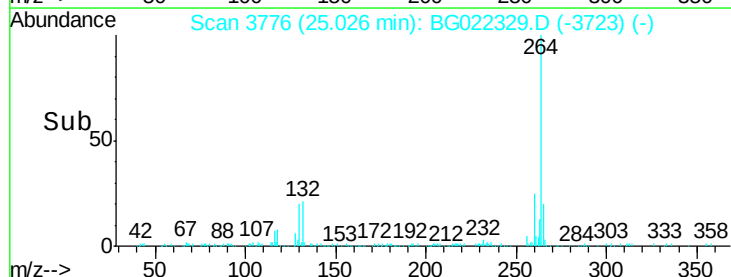
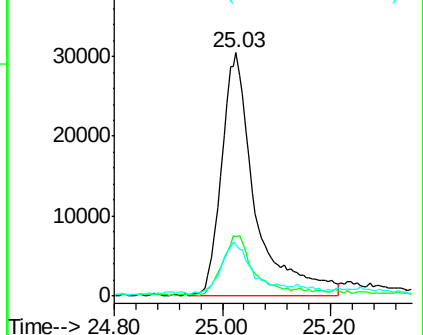
265 21.3 17.8 26.8

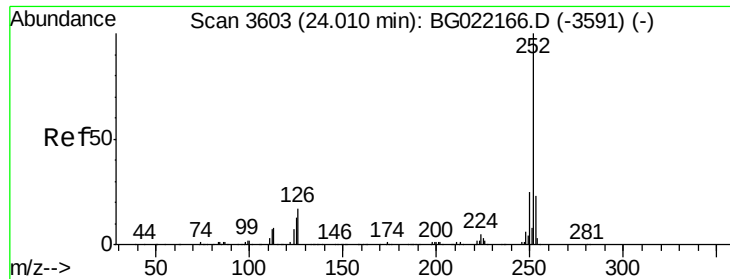


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

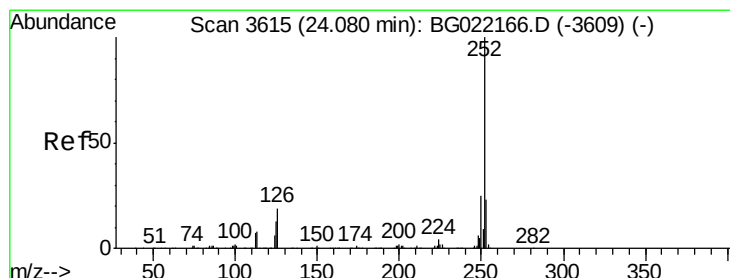
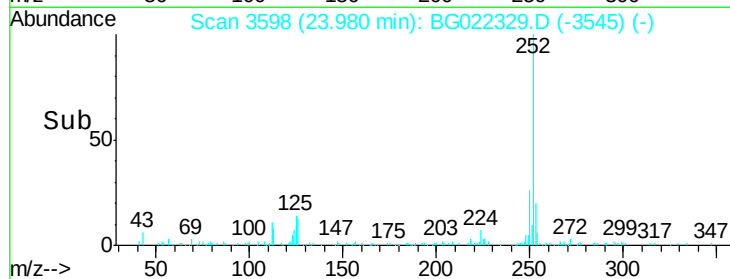
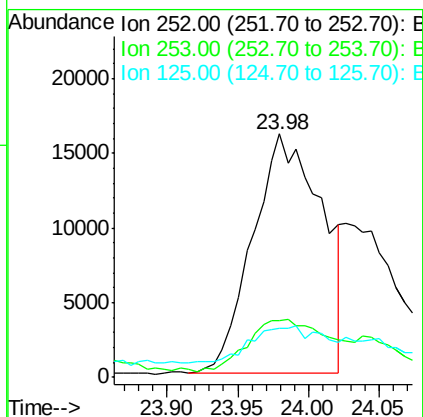
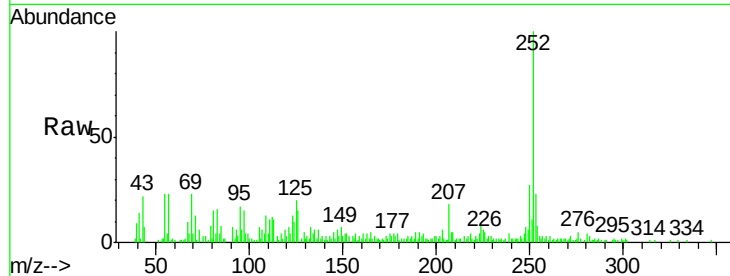




#87
Benzo(b)fluoranthene
Concen: 7.07 ng
RT: 23.98 min Scan# 3598
Delta R.T. 0.01 min
Lab File: BG022329.D
Acq: 13 Jun 2016 18:17

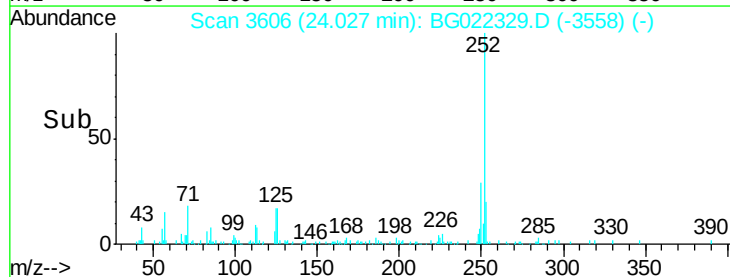
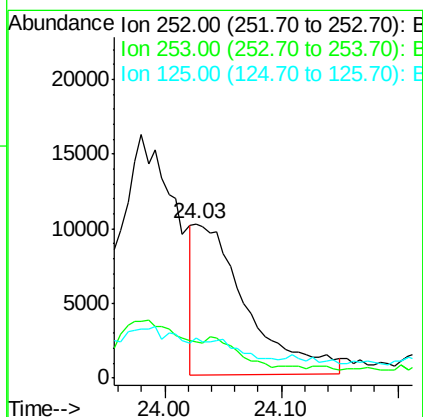
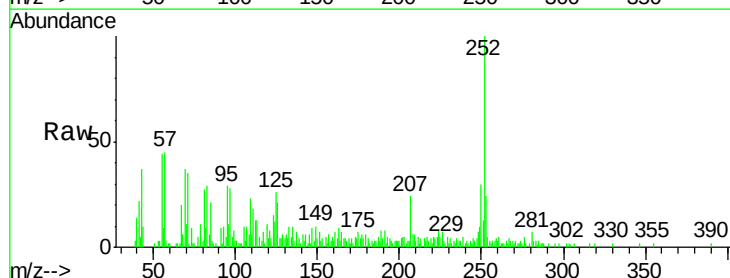
Instrument :
BNA_G
ClientSampleId :
S7-B4(0-6)C

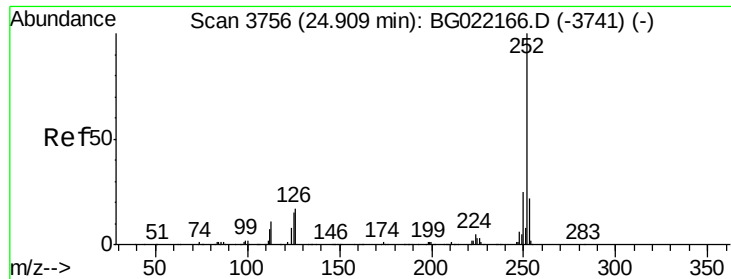
Tot Ion	Ratio	Lower	Upper
252	100		
253	23.2	17.5	26.3
125	20.4	8.6	13.0



#88
Benzo(k)fluoranthene
Concen: 4.19 ng m
RT: 24.03 min Scan# 3606
Delta R.T. -0.02 min
Lab File: BG022329.D
Acq: 13 Jun 2016 18:17

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.5	17.8	26.8
125	25.9	8.3	12.5





#89

Benzo(a)pyrene

Concen: 4.86 ng

RT: 24.87 min Scan# 3750

Delta R.T. 0.01 min

Lab File: BG022329.D

Acq: 13 Jun 2016 18:17

Instrument :

BNA_G

ClientSampleId :

S7-B4(0-6)C

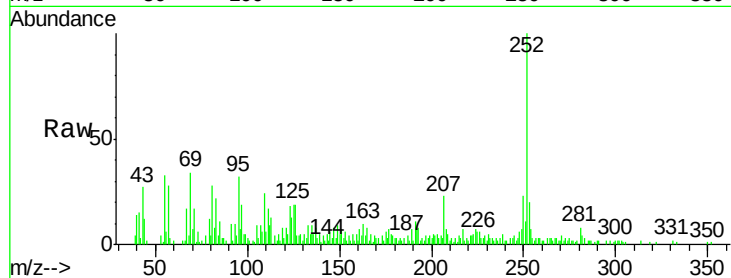
Tot Ion:252 Resp: 36012

Ion Ratio Lower Upper

252 100

253 20.2 17.1 25.7

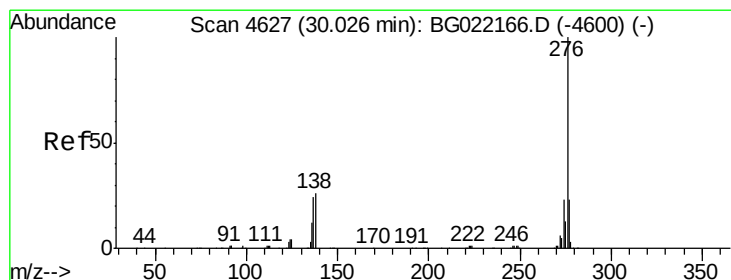
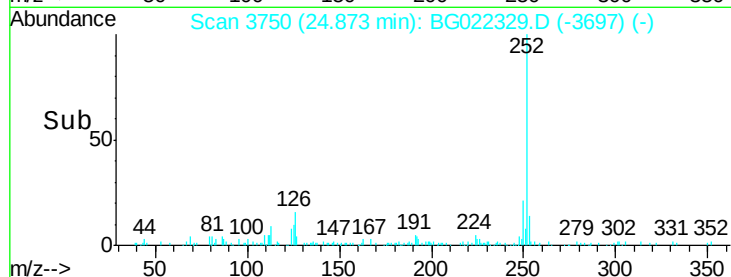
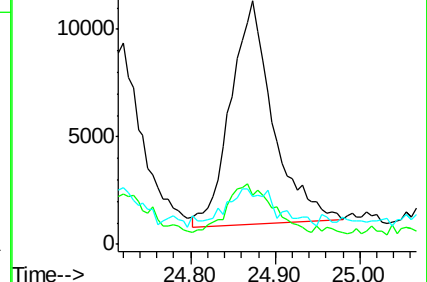
125 19.4 9.6 14.4#



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#91

Benzo(g,h,i)perylene

Concen: 2.27 ng m

RT: 29.96 min Scan# 4615

Delta R.T. 0.01 min

Lab File: BG022329.D

Acq: 13 Jun 2016 18:17

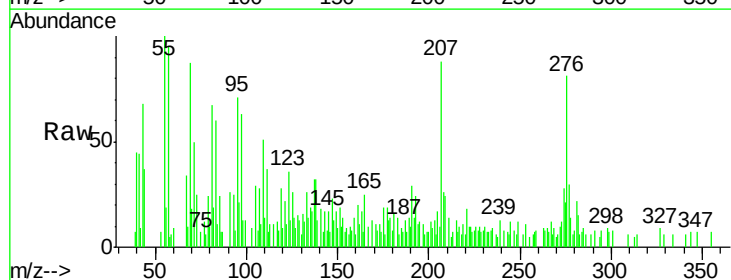
Tgt Ion:276 Resp: 16482

Ion Ratio Lower Upper

276 100

277 36.7 19.4 29.2#

138 39.6 17.4 26.0#



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

