

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG052215\
 Data File : BG017273.D
 Acq On : 23 May 2015 9:06
 Operator : TP/IZ
 Sample : G2359-05 5X
 Misc :
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SB-29AS

Quant Time: May 25 08:18:02 2015
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG051315.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon May 25 08:11:45 2015
 Response via : Initial Calibration

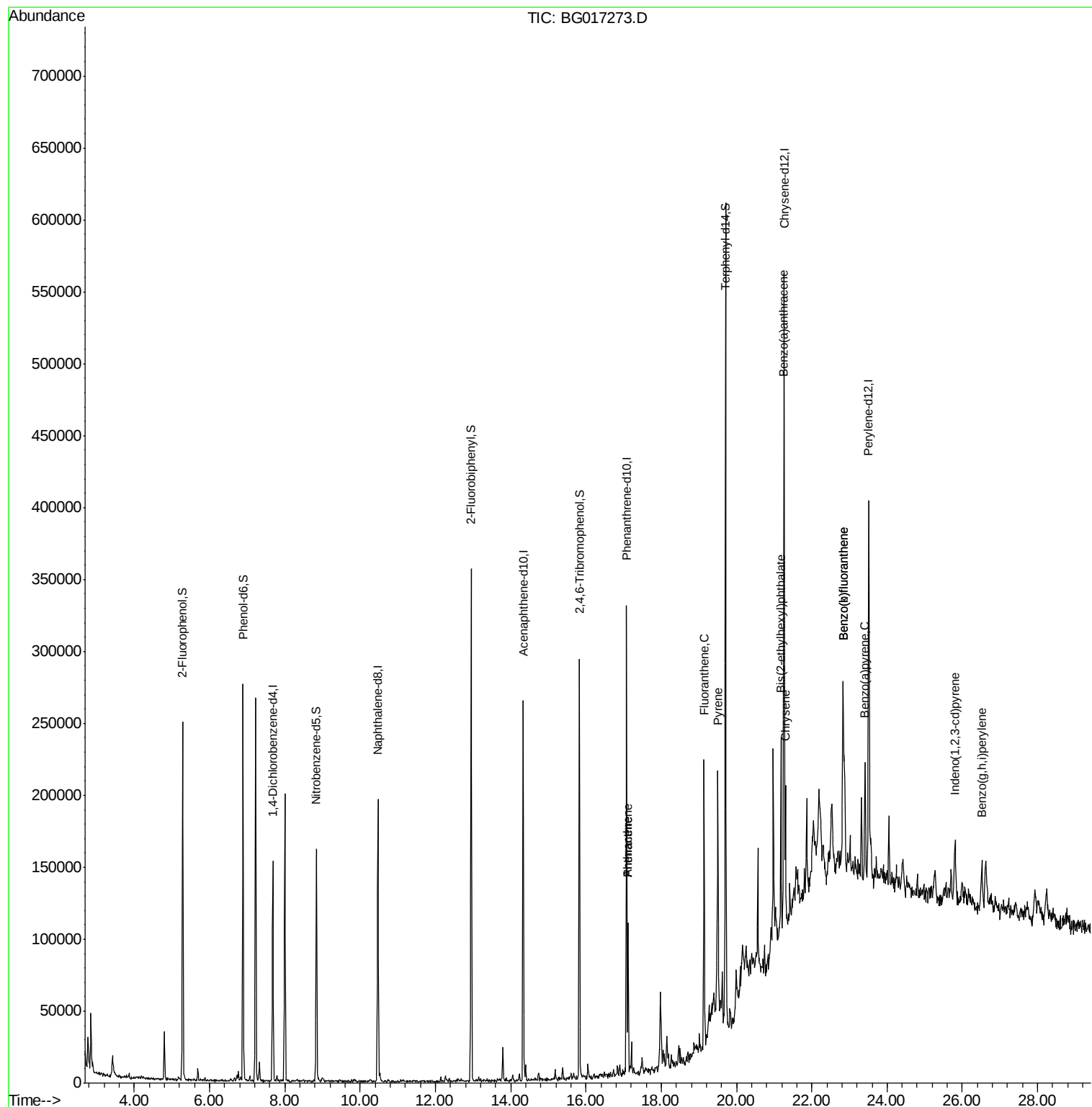
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.68	152	34861	20.00	ng	0.00
21) Naphthalene-d8	10.47	136	143396	20.00	ng	0.00
38) Acenaphthene-d10	14.33	164	81823	20.00	ng	0.00
63) Phenanthrene-d10	17.08	188	170569	20.00	ng	0.00
75) Chrysene-d12	21.26	240	185550	20.00	ng	0.00
86) Perylene-d12	23.52	264	185149	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.29	112	90319	45.97	ng	0.00
7) Phenol-d6	6.89	99	125196	45.40	ng	0.00
23) Nitrobenzene-d5	8.84	82	86464	28.15	ng	0.00
41) 2,4,6-Tribromophenol	15.83	330	43675	44.16	ng	0.00
44) 2-Fluorobiphenyl	12.95	172	166628	29.88	ng	0.00
78) Terphenyl-d14	19.71	244	222171	24.95	ng	0.00
Target Compounds						
9) Benzaldehyde	6.82	77	260	Below Cal		Qvalue # 1
70) Phenanthrene	17.12	178	54315	6.18	ng	94
71) Anthracene	17.12	178	54315	6.09	ng	95
74) Fluoranthene	19.14	202	107238	10.15	ng	98
77) Pyrene	19.51	202	99833	8.77	ng	100
80) Benzo(a)anthracene	21.25	228	54008	5.08	ng	95
82) Chrysene	21.30	228	51157	5.17	ng	98
83) Bis(2-ethylhexyl)phthalate	21.18	149	39724	5.40	ng	98
85) Indeno(1,2,3-cd)pyrene	25.80	276	37054	3.13	ng	97
87) Benzo(b)fluoranthene	22.84	252	74773	6.93	ng	98
88) Benzo(k)fluoranthene	22.84	252	74773	7.30	ng	99
89) Benzo(a)pyrene	23.41	252	53563	5.40	ng	97
91) Benzo(g,h,i)perylene	26.50	276	39809	4.16	ng	# 91

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

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 7.68 min Scan# 850

Delta R.T. 0.00 min

Lab File: BG017273.D

Acq: 23 May 2015 9:06

Instrument :

BNA_G

ClientSampleId :

SB-29AS

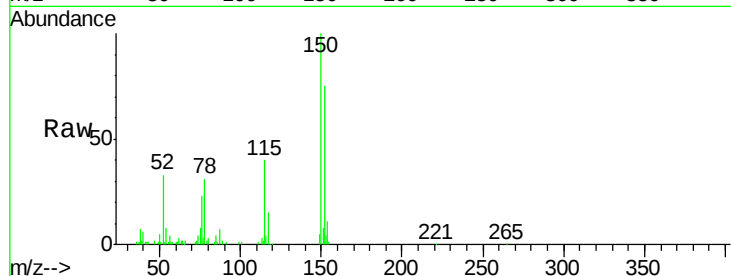
Tgt Ion:152 Resp: 34861

Ion Ratio Lower Upper

152 100

150 134.2 120.8 181.2

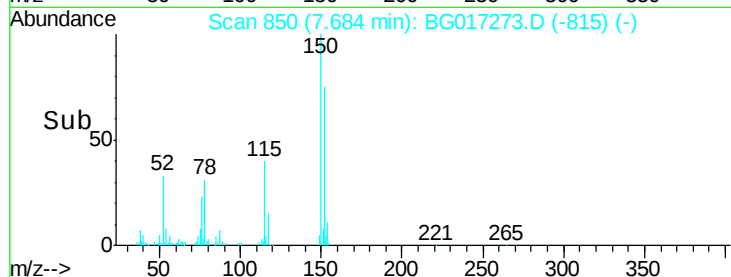
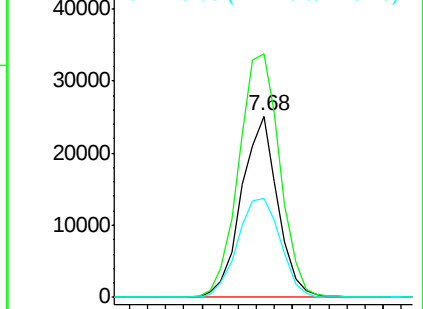
115 54.3 49.4 74.2



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: 45.97 ng

RT: 5.29 min Scan# 442

Delta R.T. 0.01 min

Lab File: BG017273.D

Acq: 23 May 2015 9:06

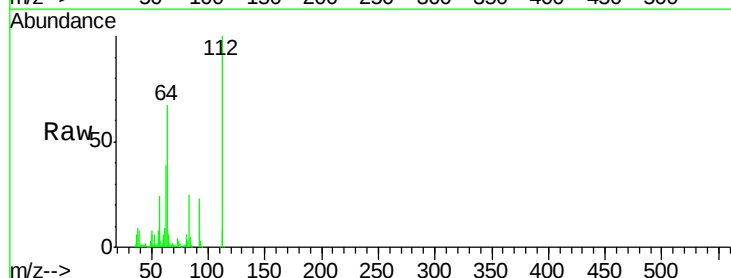
Tgt Ion:112 Resp: 90319

Ion Ratio Lower Upper

112 100

64 67.4 48.1 72.1

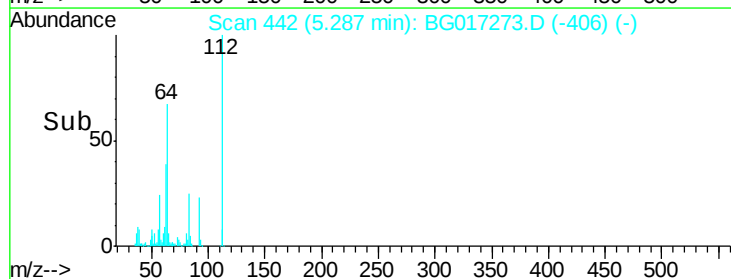
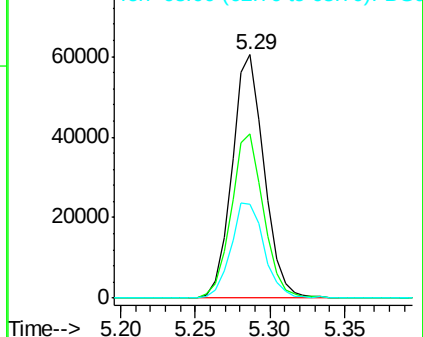
63 38.5 29.8 44.8

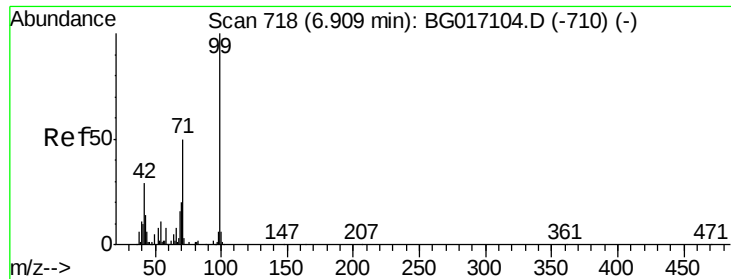


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BGC

Ion 63.00 (62.70 to 63.70): BGC





#7

Phenol-d6

Concen: 45.40 ng

RT: 6.89 min Scan# 715

Delta R.T. 0.01 min

Lab File: BG017273.D

Acq: 23 May 2015 9:06

Instrument :

BNA_G

ClientSampleId :

SB-29AS

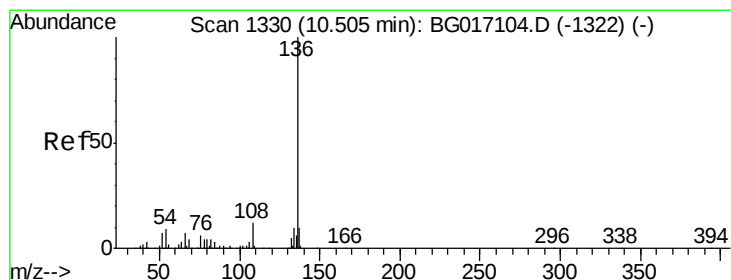
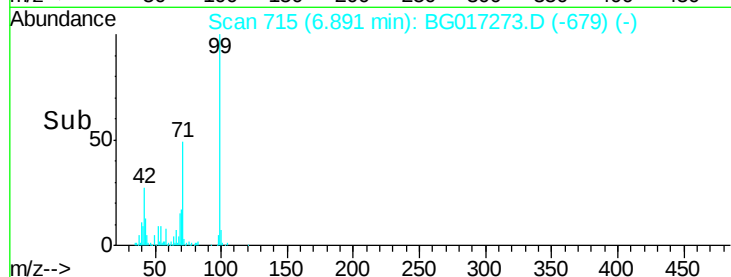
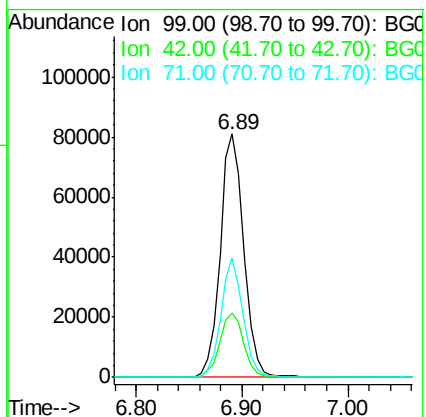
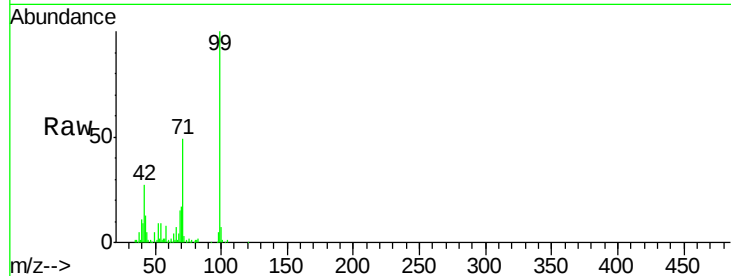
Tgt Ion: 99 Resp: 125196

Ion Ratio Lower Upper

99 100

42 26.5 23.5 35.3

71 48.9 39.8 59.8



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 10.47 min Scan# 1325

Delta R.T. 0.00 min

Lab File: BG017273.D

Acq: 23 May 2015 9:06

Tgt Ion: 136 Resp: 143396

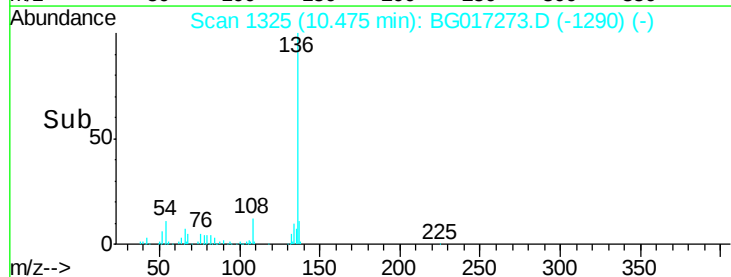
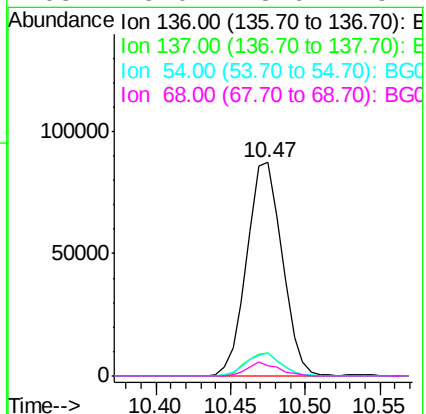
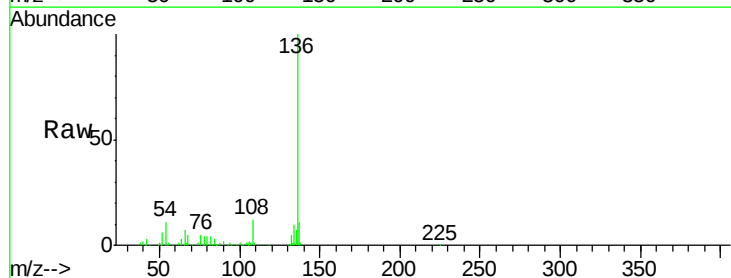
Ion Ratio Lower Upper

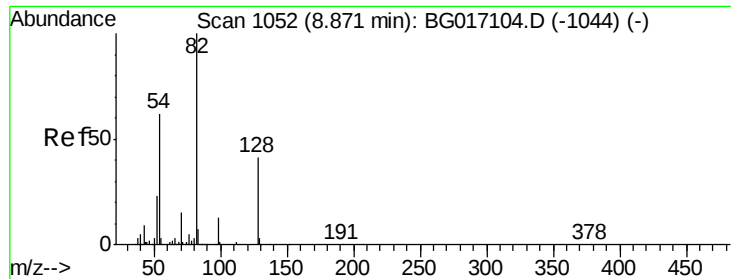
136 100

137 10.9 8.3 12.5

54 10.7 7.4 11.2

68 5.0 3.6 5.4

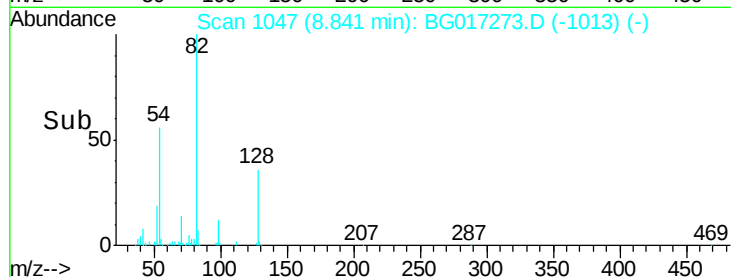
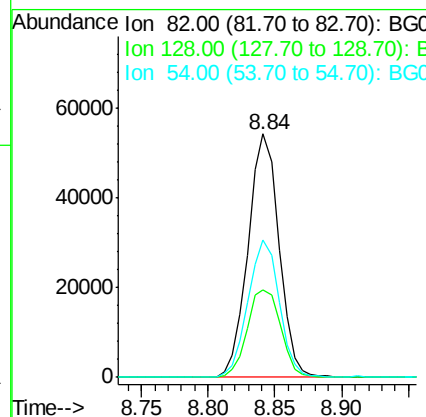
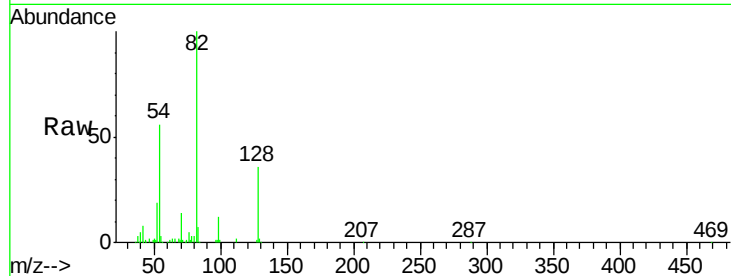




#23
 Nitrobenzene-d5
 Concen: 28.15 ng
 RT: 8.84 min Scan# 1047
 Delta R.T. -0.00 min
 Lab File: BG017273.D
 Acq: 23 May 2015 9:06

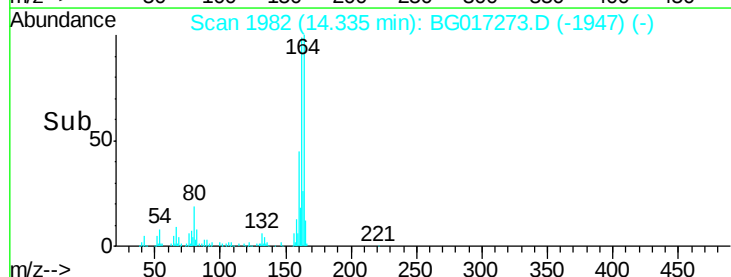
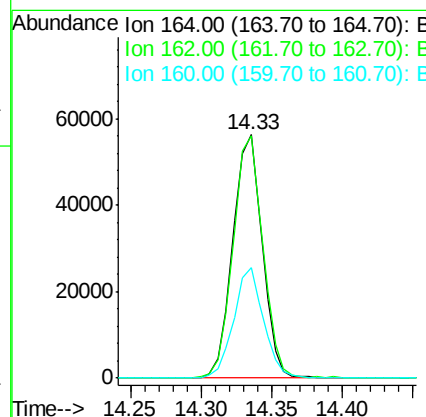
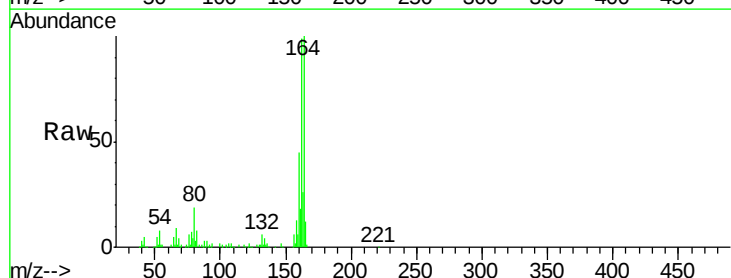
Instrument :
 BNA_G
 ClientSampleId :
 SB-29AS

Tgt Ion	Ratio	Lower	Upper
82	100		
128	36.1	32.6	49.0
54	56.4	49.6	74.4



#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 14.33 min Scan# 1982
 Delta R.T. 0.00 min
 Lab File: BG017273.D
 Acq: 23 May 2015 9:06

Tgt Ion	Ratio	Lower	Upper
164	100		
162	99.3	82.1	123.1
160	45.4	34.8	52.2

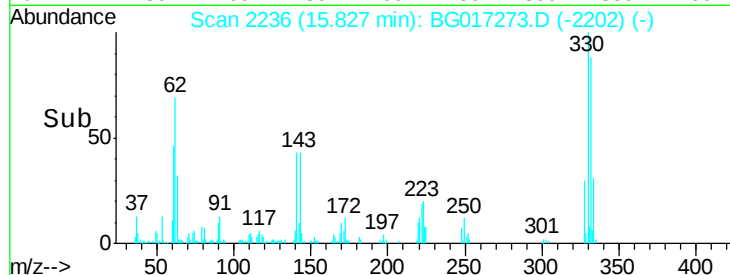
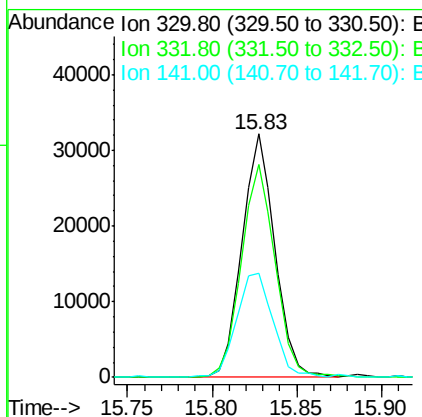
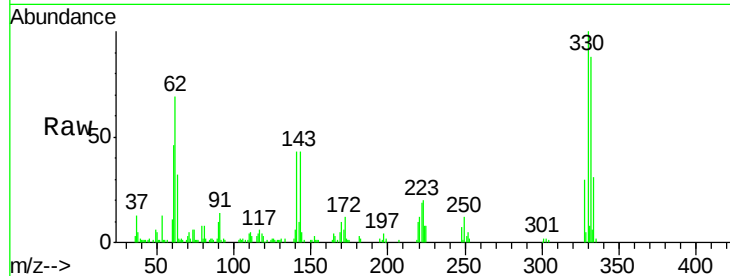




#41
 2,4,6-Tribromophenol
 Concen: 44.16 ng
 RT: 15.83 min Scan# 2236
 Delta R.T. -0.00 min
 Lab File: BG017273.D
 Acq: 23 May 2015 9:06

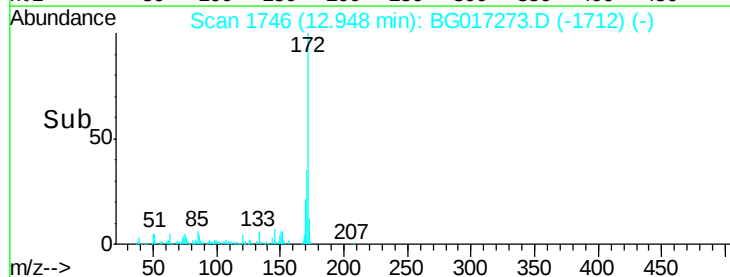
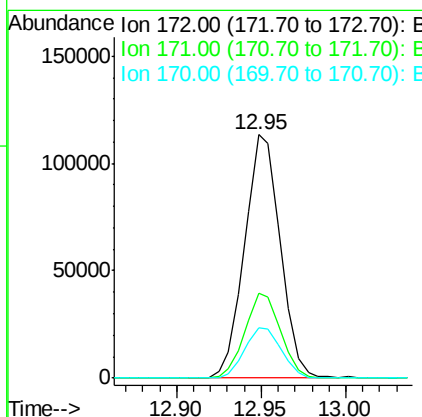
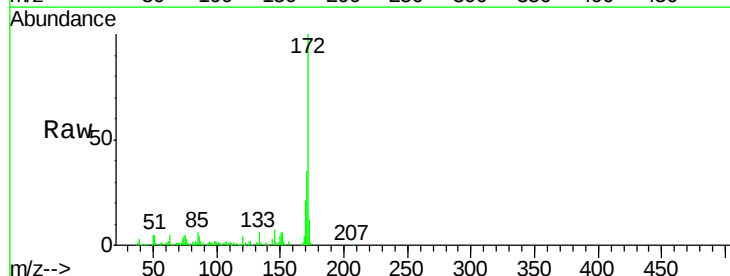
Instrument :
 BNA_G
 ClientSampleId :
 SB-29AS

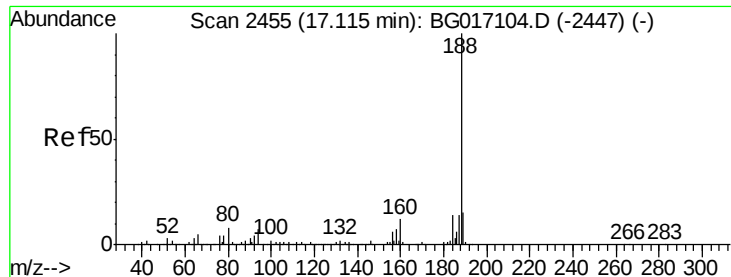
Tgt Ion: 330 Resp: 43675
 Ion Ratio Lower Upper
 330 100
 332 89.6 76.9 115.3
 141 47.5 42.2 63.2



#44
 2-Fluorobiphenyl
 Concen: 29.88 ng
 RT: 12.95 min Scan# 1746
 Delta R.T. -0.00 min
 Lab File: BG017273.D
 Acq: 23 May 2015 9:06

Tgt Ion: 172 Resp: 166628
 Ion Ratio Lower Upper
 172 100
 171 34.7 29.7 44.5
 170 20.8 18.4 27.6





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 17.08 min Scan# 2449

Delta R.T. -0.00 min

Lab File: BG017273.D

Acq: 23 May 2015 9:06

Instrument :

BNA_G

ClientSampleId :

SB-29AS

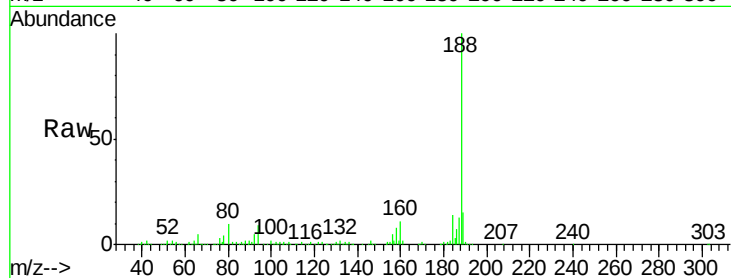
Tgt Ion:188 Resp: 170569

Ion Ratio Lower Upper

188 100

94 9.1 5.8 8.6#

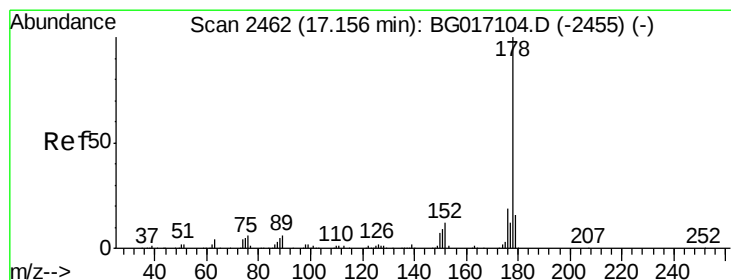
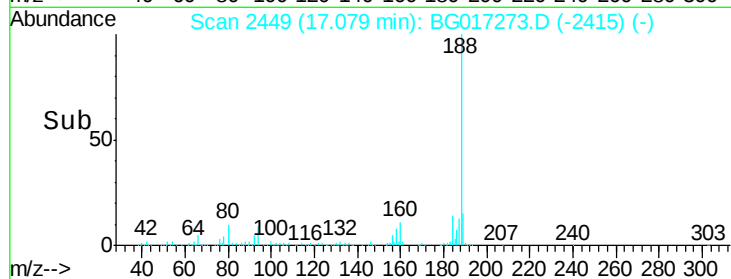
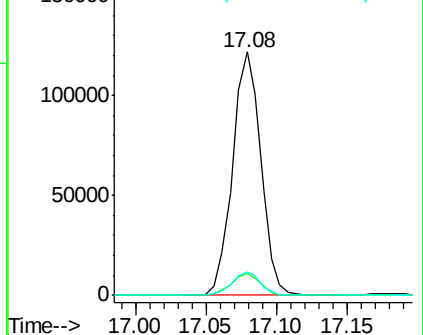
80 9.6 6.5 9.7



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: 6.18 ng

RT: 17.12 min Scan# 2456

Delta R.T. -0.00 min

Lab File: BG017273.D

Acq: 23 May 2015 9:06

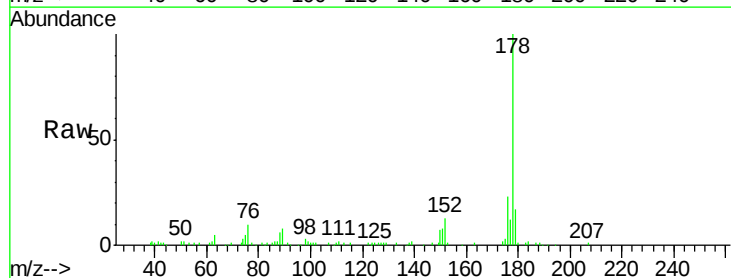
Tgt Ion:178 Resp: 54315

Ion Ratio Lower Upper

178 100

176 22.9 15.4 23.2

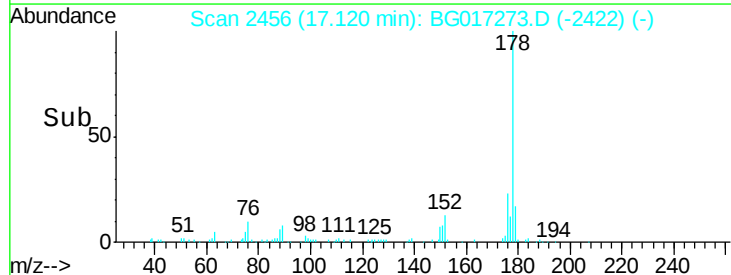
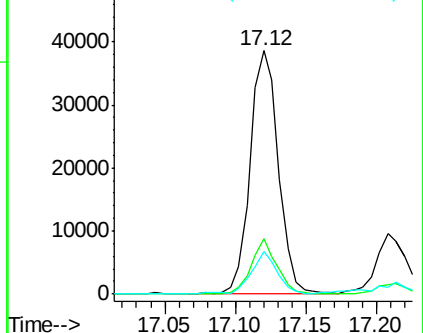
179 17.4 12.5 18.7

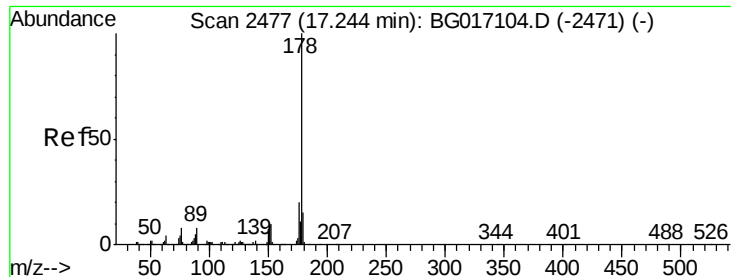


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

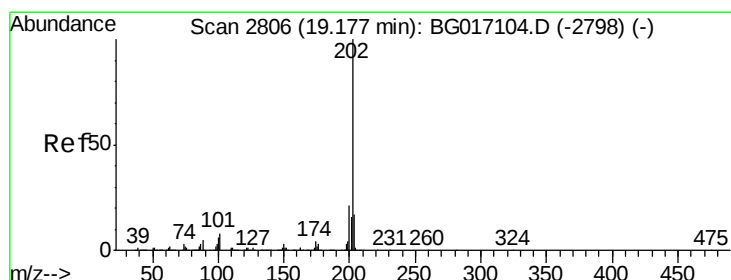
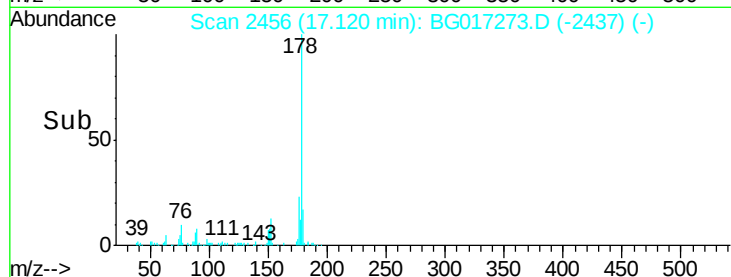
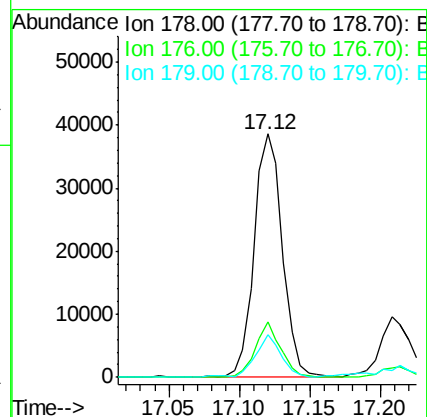
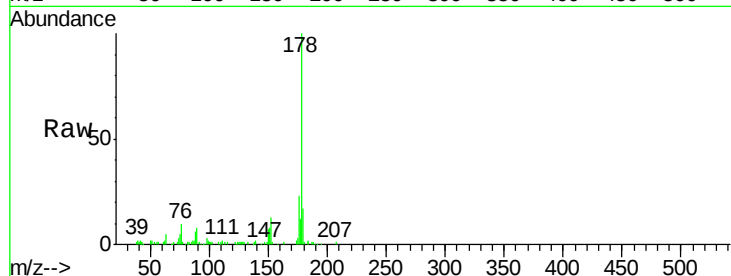




#71
 Anthracene
 Concen: 6.09 ng
 RT: 17.12 min Scan# 2456
 Delta R.T. -0.09 min
 Lab File: BG017273.D
 Acq: 23 May 2015 9:06

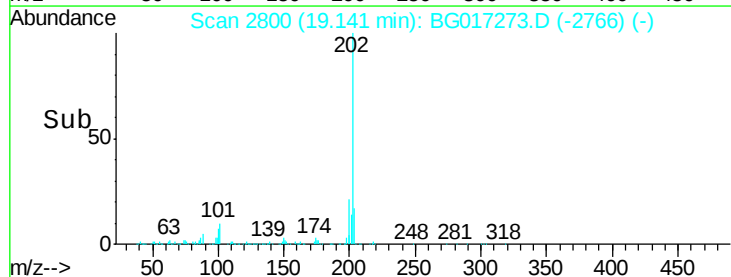
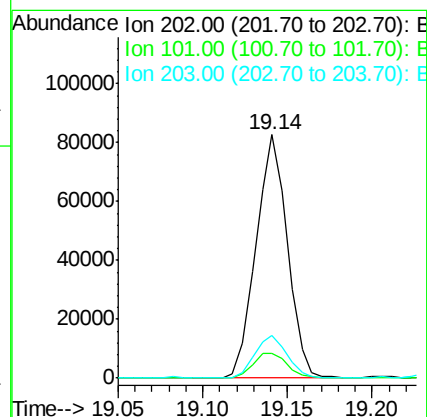
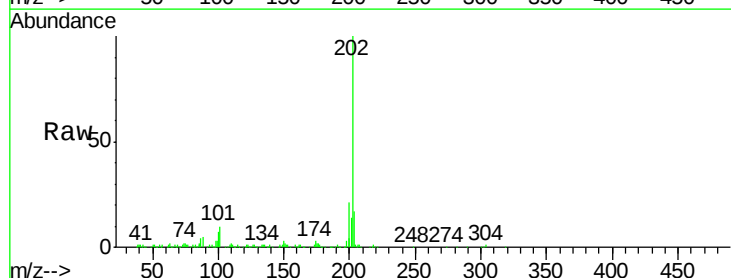
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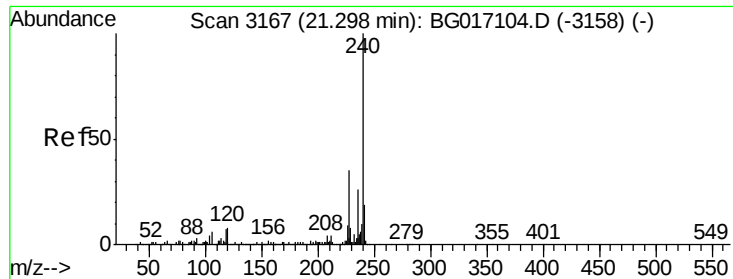
Tgt Ion:178 Resp: 54315
 Ion Ratio Lower Upper
 178 100
 176 22.9 16.3 24.5
 179 17.4 12.1 18.1



#74
 Fluoranthene
 Concen: 10.15 ng
 RT: 19.14 min Scan# 2800
 Delta R.T. -0.00 min
 Lab File: BG017273.D
 Acq: 23 May 2015 9:06

Tgt Ion:202 Resp: 107238
 Ion Ratio Lower Upper
 202 100
 101 10.4 0.0 28.3
 203 17.3 0.0 37.4

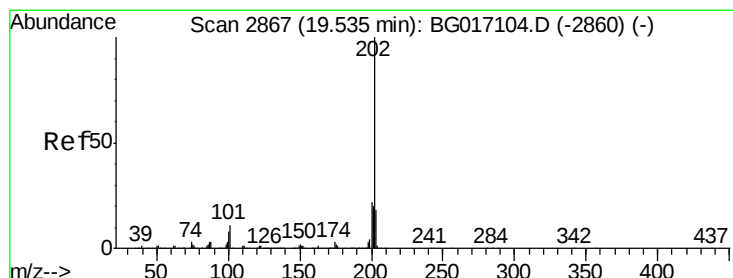
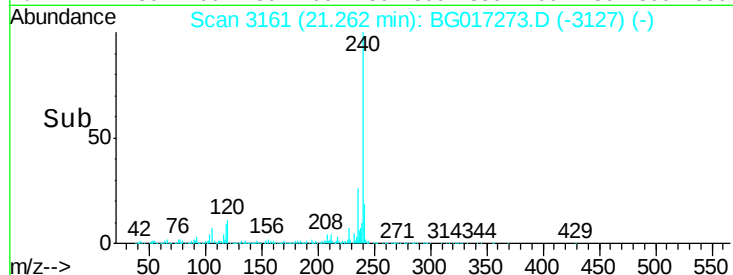
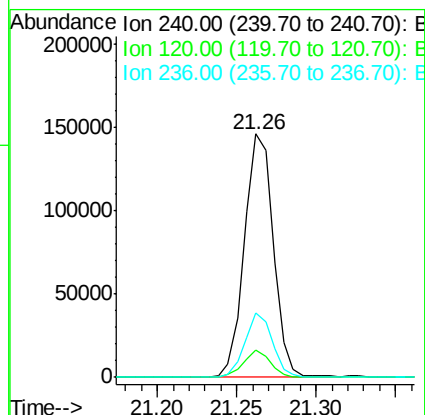
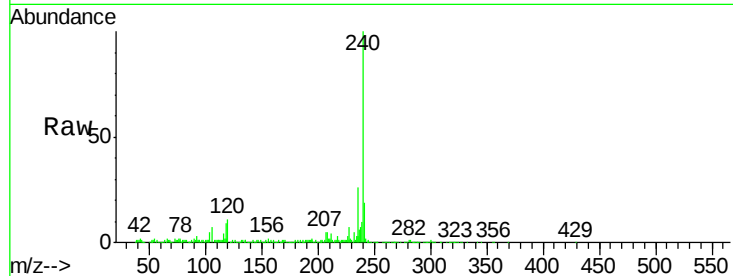




#75
Chrysene-d12
Concen: 20.00 ng
RT: 21.26 min Scan# 3161
Delta R.T. -0.00 min
Lab File: BG017273.D
Acq: 23 May 2015 9:06

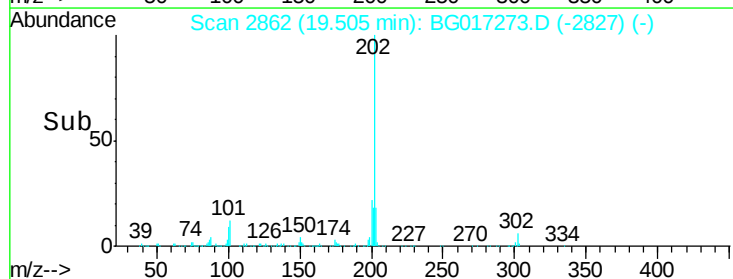
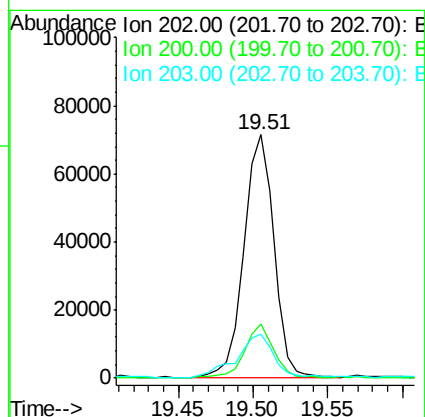
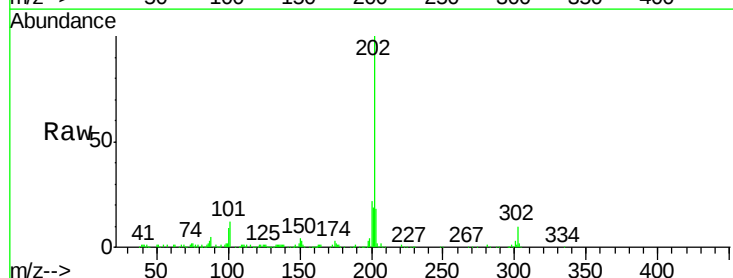
Instrument :
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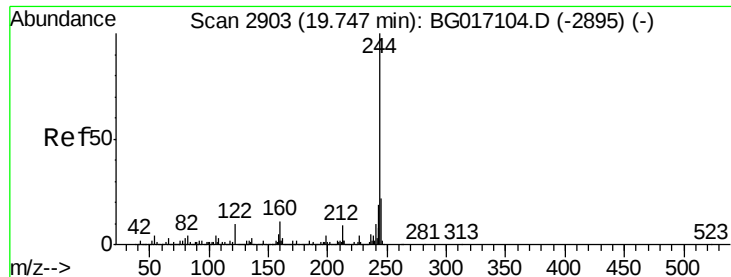
Tgt Ion:240 Resp: 185550
Ion Ratio Lower Upper
240 100
120 11.1 6.0 9.0#
236 26.4 20.5 30.7



#77
Pyrene
Concen: 8.77 ng
RT: 19.51 min Scan# 2862
Delta R.T. 0.00 min
Lab File: BG017273.D
Acq: 23 May 2015 9:06

Tgt Ion:202 Resp: 99833
Ion Ratio Lower Upper
202 100
200 22.0 17.8 26.8
203 18.1 14.4 21.6





#78

Terphenyl-d14

Concen: 24.95 ng

RT: 19.71 min Scan# 2897

Delta R.T. -0.00 min

Lab File: BG017273.D

Acq: 23 May 2015 9:06

Instrument :

BNA_G

ClientSampleId :

SB-29AS

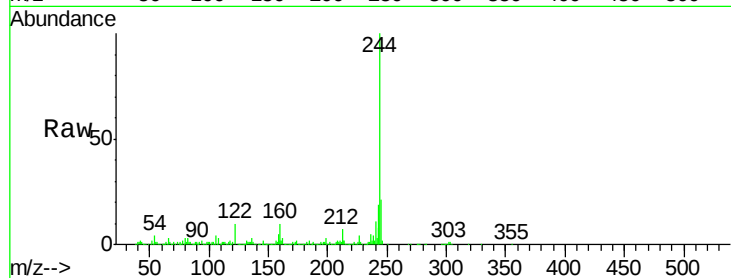
Tgt Ion:244 Resp: 222171

Ion Ratio Lower Upper

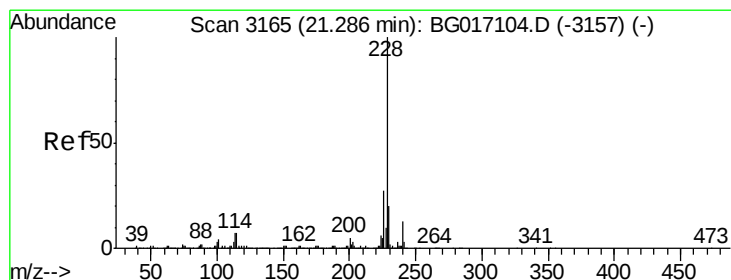
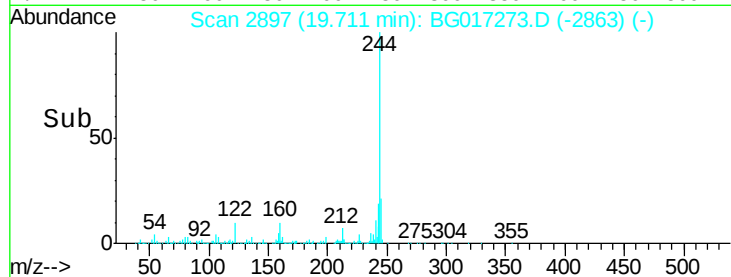
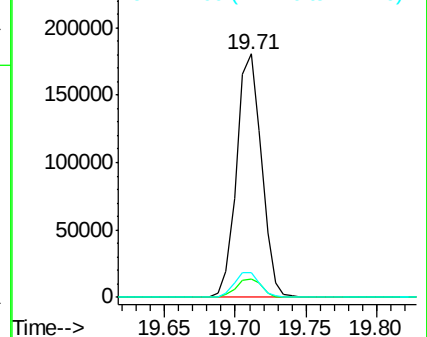
244 100

212 7.4 7.0 10.4

122 10.2 8.4 12.6



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: 5.08 ng

RT: 21.25 min Scan# 3159

Delta R.T. 0.00 min

Lab File: BG017273.D

Acq: 23 May 2015 9:06

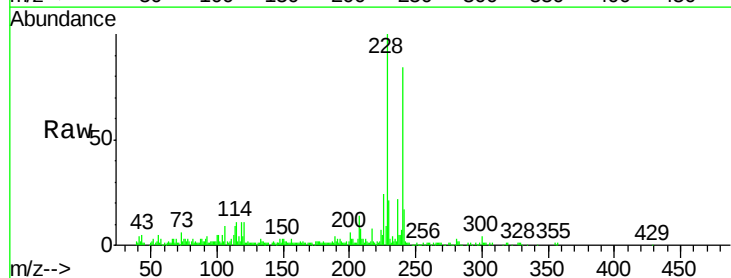
Tgt Ion:228 Resp: 54008

Ion Ratio Lower Upper

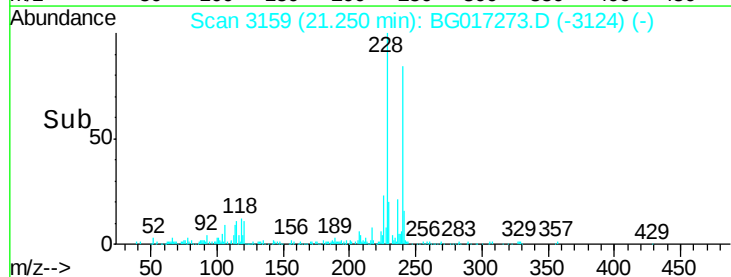
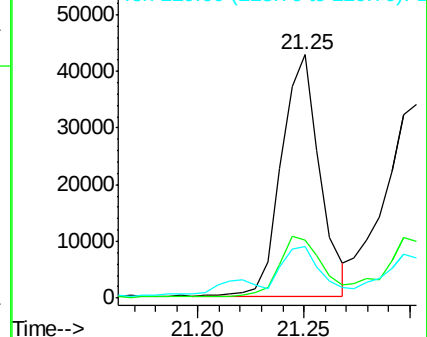
228 100

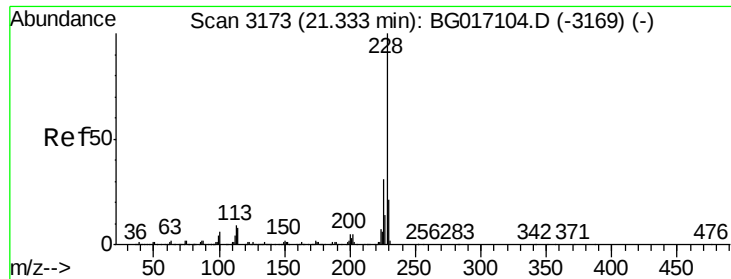
226 23.7 21.7 32.5

229 21.2 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





#82

Chrysene

Concen: 5.17 ng

RT: 21.30 min Scan# 3168

Delta R.T. 0.00 min

Lab File: BG017273.D

Acq: 23 May 2015 9:06

Instrument :

BNA_G

ClientSampleId :

SB-29AS

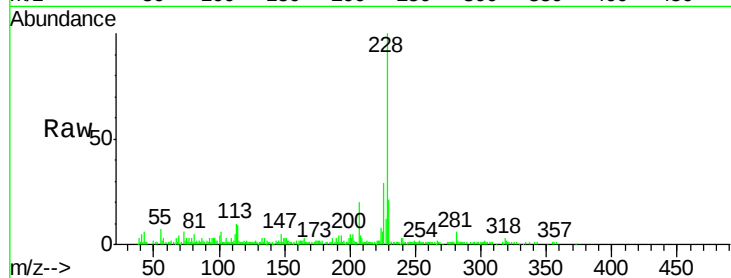
Tgt Ion:228 Resp: 51157

Ion Ratio Lower Upper

228 100

226 29.2 24.8 37.2

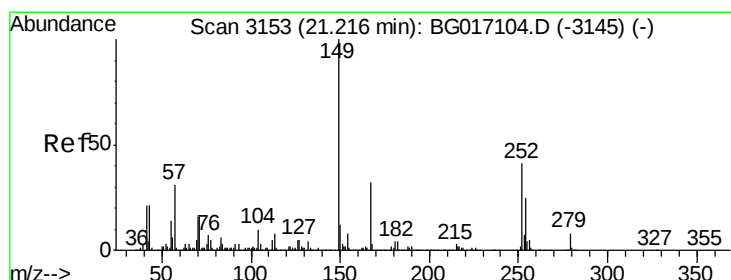
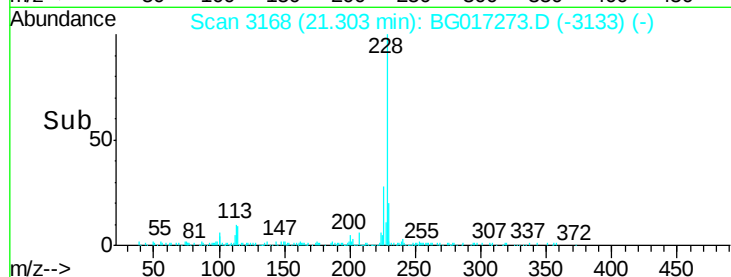
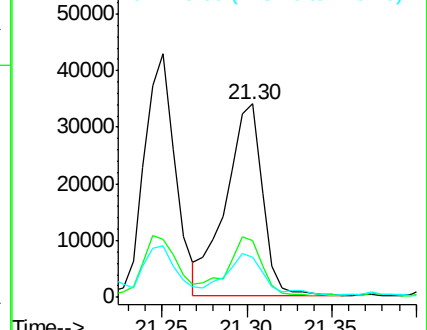
229 20.7 17.0 25.6



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: 5.40 ng

RT: 21.18 min Scan# 3147

Delta R.T. -0.00 min

Lab File: BG017273.D

Acq: 23 May 2015 9:06

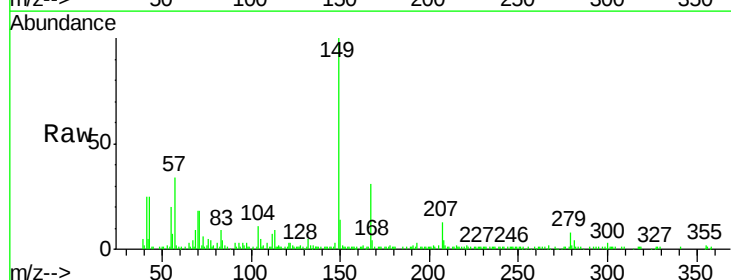
Tgt Ion:149 Resp: 39724

Ion Ratio Lower Upper

149 100

167 30.7 25.4 38.2

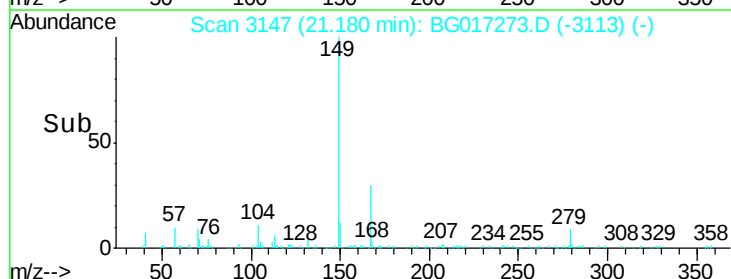
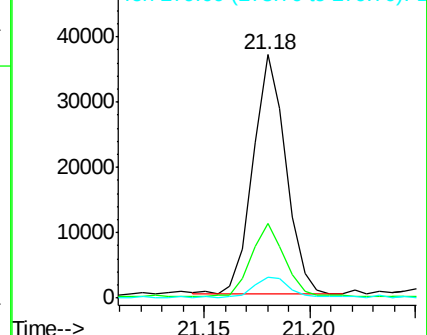
279 8.3 6.8 10.2

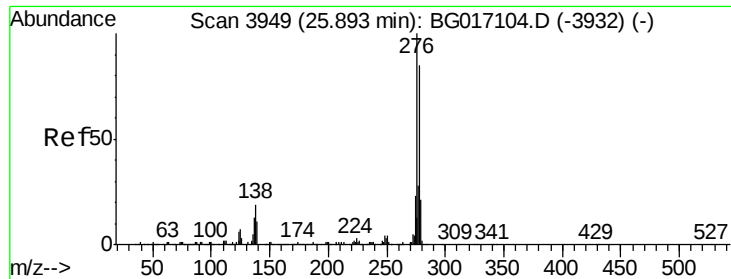


Abundance Ion 149.00 (148.70 to 149.70): E

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: 3.13 ng

RT: 25.80 min Scan# 3934

Delta R.T. -0.01 min

Lab File: BG017273.D

Acq: 23 May 2015 9:06

Instrument :

BNA_G

ClientSampleId :

SB-29AS

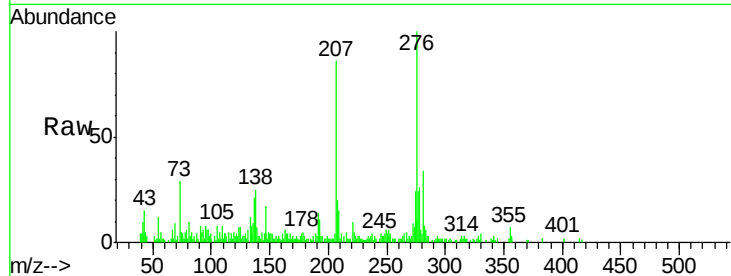
Tgt Ion:276 Resp: 37054

Ion Ratio Lower Upper

276 100

138 21.4 16.0 24.0

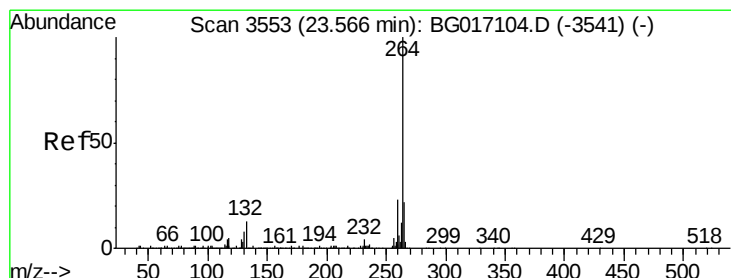
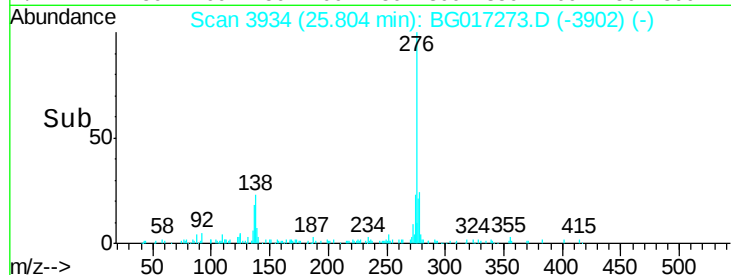
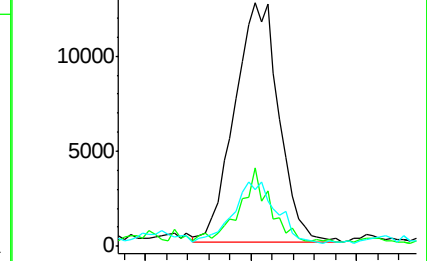
277 24.7 20.9 31.3



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: 23.52 min Scan# 3545

Delta R.T. 0.00 min

Lab File: BG017273.D

Acq: 23 May 2015 9:06

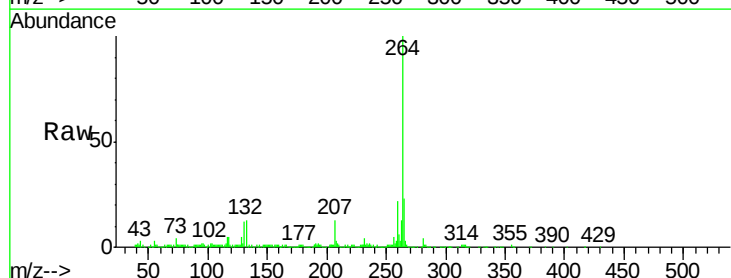
Tgt Ion:264 Resp: 185149

Ion Ratio Lower Upper

264 100

260 21.7 18.0 27.0

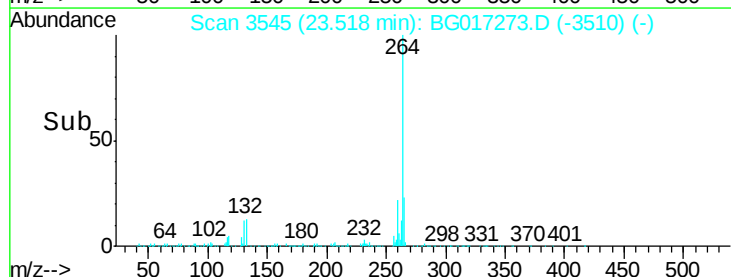
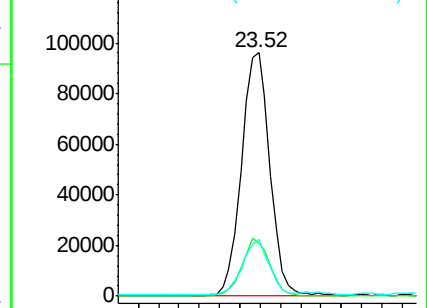
265 23.4 17.4 26.0

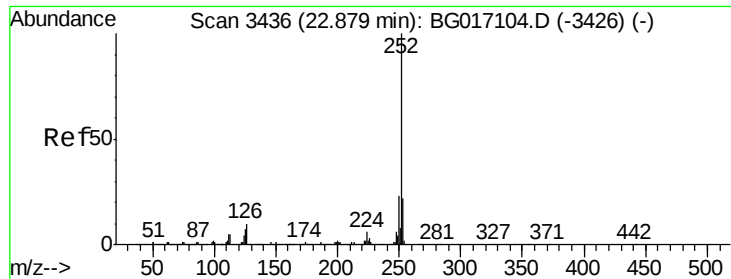


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#87

Benzo(b)fluoranthene

Concen: 6.93 ng

RT: 22.84 min Scan# 3429

Delta R.T. 0.00 min

Lab File: BG017273.D

Acq: 23 May 2015 9:06

Instrument :

BNA_G

ClientSampleId :

SB-29AS

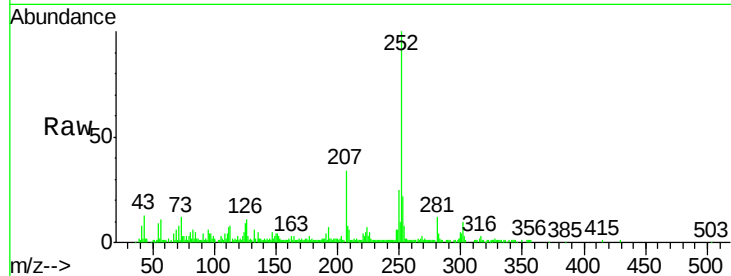
Tgt Ion:252 Resp: 74773

Ion Ratio Lower Upper

252 100

253 22.4 17.4 26.2

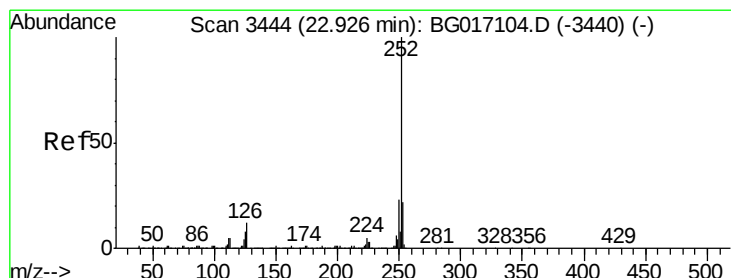
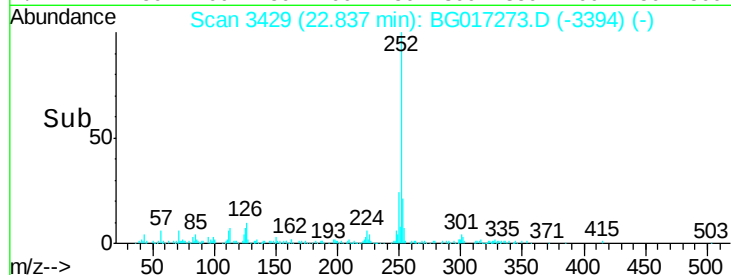
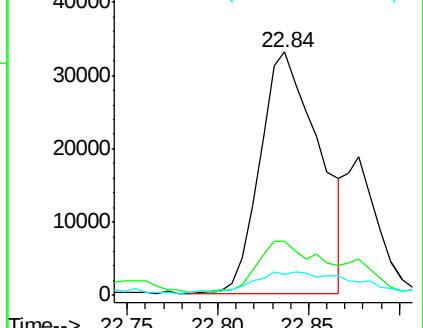
125 8.7 5.9 8.9



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



#88

Benzo(k)fluoranthene

Concen: 7.30 ng

RT: 22.84 min Scan# 3429

Delta R.T. -0.04 min

Lab File: BG017273.D

Acq: 23 May 2015 9:06

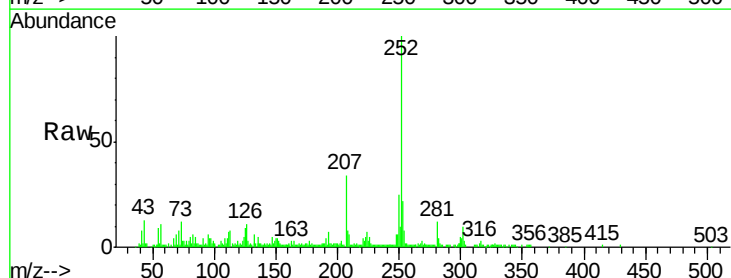
Tgt Ion:252 Resp: 74773

Ion Ratio Lower Upper

252 100

253 22.4 17.8 26.6

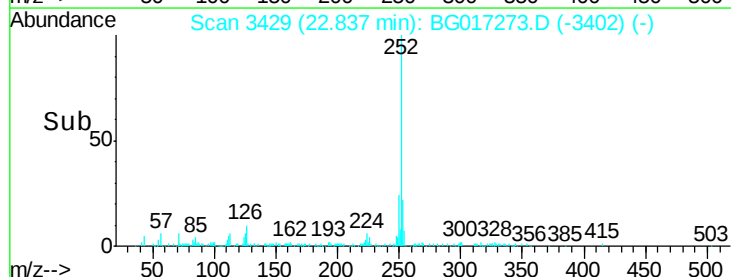
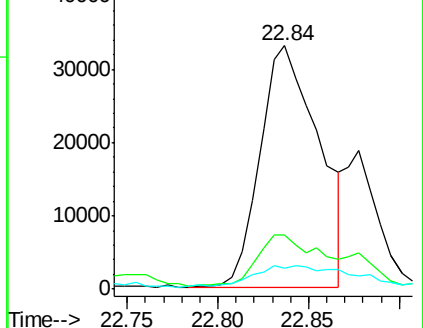
125 8.7 6.4 9.6

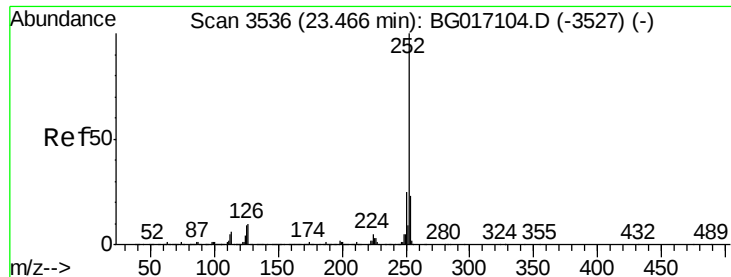


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#89

Benzo(a)pyrene

Concen: 5.40 ng

RT: 23.41 min Scan# 3527

Delta R.T. -0.00 min

Lab File: BG017273.D

Acq: 23 May 2015 9:06

Instrument :

BNA_G

ClientSampleId :

SB-29AS

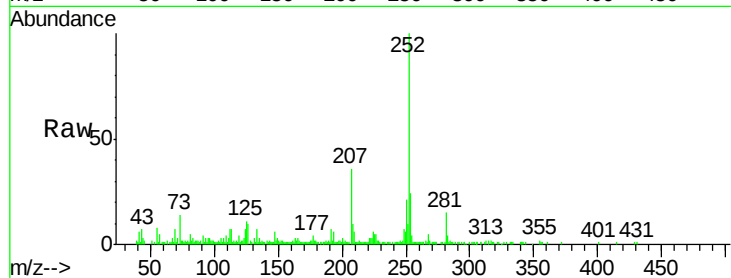
Tgt Ion:252 Resp: 53563

Ion Ratio Lower Upper

252 100

253 24.3 18.4 27.6

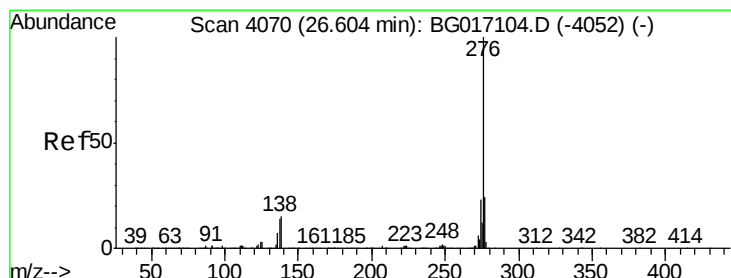
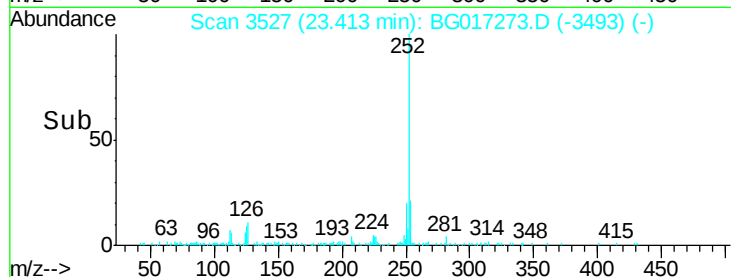
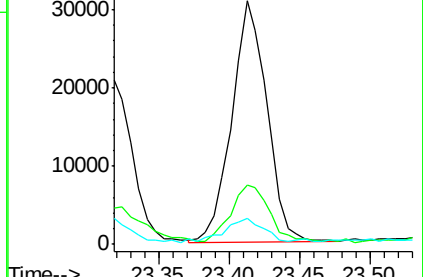
125 10.7 7.2 10.8



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: 4.16 ng

RT: 26.50 min Scan# 4053

Delta R.T. -0.02 min

Lab File: BG017273.D

Acq: 23 May 2015 9:06

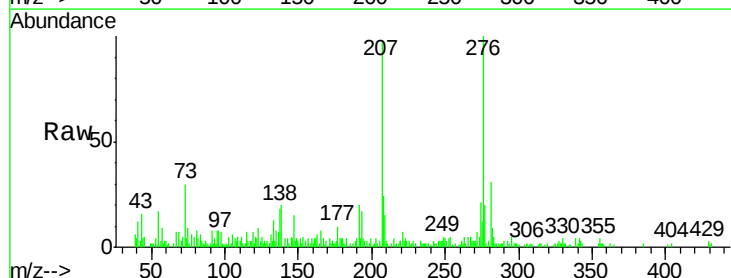
Tgt Ion:276 Resp: 39809

Ion Ratio Lower Upper

276 100

277 20.1 18.9 28.3

138 20.1 11.8 17.8#



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

