

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG061616\
 Data File : BG022374.D
 Acq On : 16 Jun 2016 20:18
 Operator : UM/SJ
 Sample : H3467-03
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 HF-4-WC-3

Quant Time: Jun 17 02:24:35 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

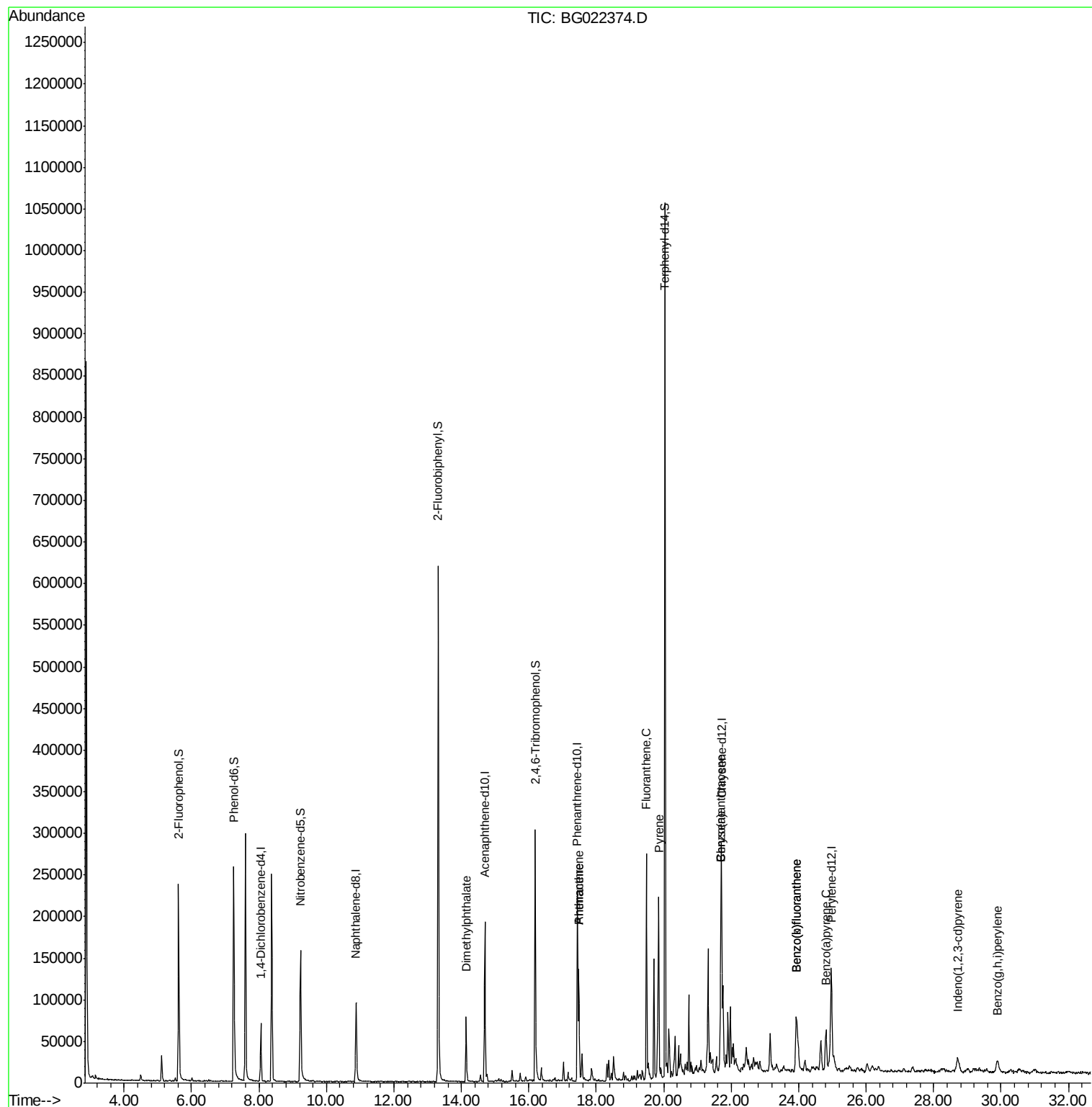
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.06	152	24725	20.00	ng	-0.04
21) Naphthalene-d8	10.88	136	124596	20.00	ng	-0.03
38) Acenaphthene-d10	14.69	164	74509	20.00	ng	-0.03
63) Phenanthrene-d10	17.44	188	165379	20.00	ng	-0.03
75) Chrysene-d12	21.71	240	143763	20.00	ng	-0.03
86) Perylene-d12	24.96	264	134255	20.00	ng	-0.05
System Monitoring Compounds						
5) 2-Fluorophenol	5.62	112	159336	124.60	ng	-0.02
7) Phenol-d6	7.25	99	252585	125.63	ng	0.00
23) Nitrobenzene-d5	9.23	82	143443	80.26	ng	-0.03
41) 2,4,6-Tribromophenol	16.19	330	70270	83.46	ng	-0.03
44) 2-Fluorobiphenyl	13.31	172	387750	79.31	ng	-0.03
78) Terphenyl-d14	20.04	244	485554	80.18	ng	-0.02
Target Compounds						Qvalue
49) Dimethylphthalate	14.14	163	70001	11.33	ng	99
70) Phenanthrene	17.48	178	95070	10.58	ng	98
71) Anthracene	17.48	178	95070	10.67	ng	98
74) Fluoranthene	19.48	202	184171	17.84	ng	96
77) Pyrene	19.85	202	145575	16.29	ng	98
80) Benzo(a)anthracene	21.69	228	87056	10.80	ng	95
82) Chrysene	21.69	228	87056	11.10	ng	97
85) Indeno(1,2,3-cd)pyrene	28.71	276	27348	3.11	ng	# 85
87) Benzo(b)fluoranthene	23.93	252	77089	9.85	ng	# 93
88) Benzo(k)fluoranthene	23.93	252	77089	10.00	ng	# 93
89) Benzo(a)pyrene	24.81	252	53669	7.17	ng	# 96
91) Benzo(g,h,i)perylene	29.90	276	27805	3.79	ng	# 87

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

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 8.06 min Scan# 888

Delta R.T. -0.04 min

Lab File: BG022374.D

Acq: 16 Jun 2016 20:18

Instrument :

BNA_G

ClientSampleId :

HF-4-WC-3

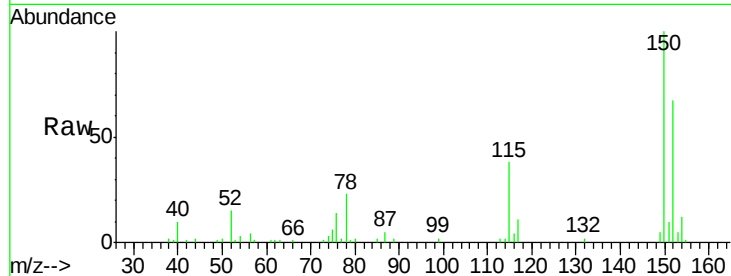
Tgt Ion:152 Resp: 24725

Ion Ratio Lower Upper

152 100

150 150.2 130.1 195.1

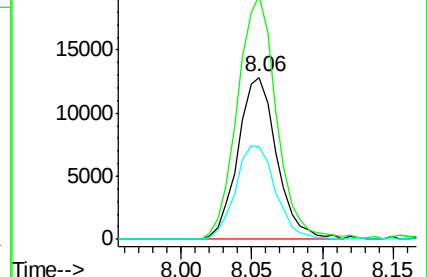
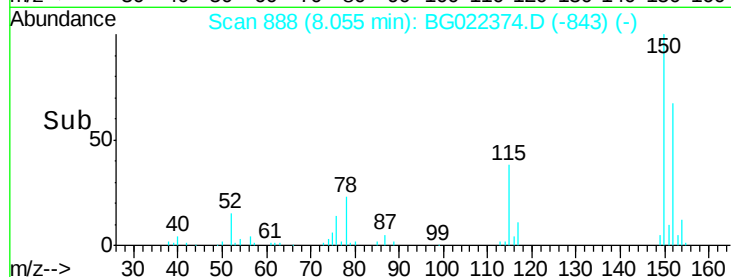
115 56.8 62.2 93.2#



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: 124.60 ng

RT: 5.62 min Scan# 473

Delta R.T. -0.02 min

Lab File: BG022374.D

Acq: 16 Jun 2016 20:18

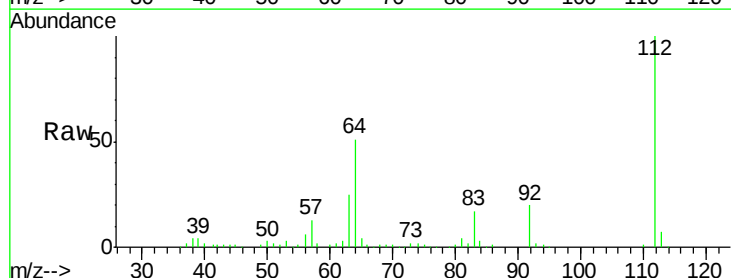
Tgt Ion:112 Resp: 159336

Ion Ratio Lower Upper

112 100

64 51.2 51.1 76.7

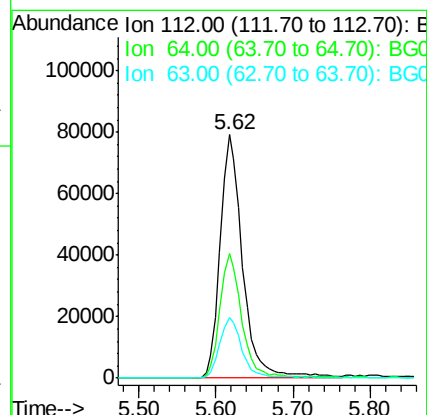
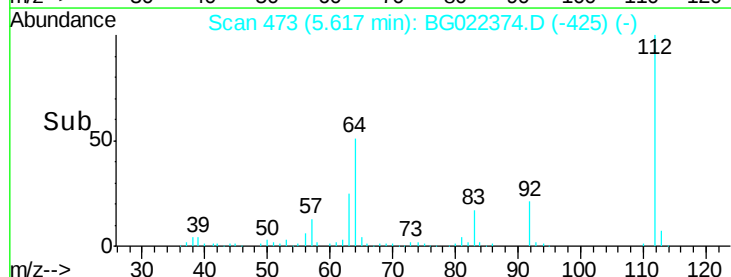
63 25.0 24.6 37.0



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: 125.63 ng

RT: 7.25 min Scan# 751

Delta R.T. -0.00 min

Lab File: BG022374.D

Acq: 16 Jun 2016 20:18

Instrument :

BNA_G

ClientSampleId :

HF-4-WC-3

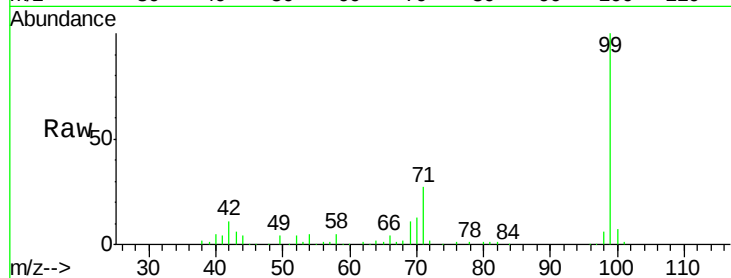
Tgt Ion: 99 Resp: 252585

Ion Ratio Lower Upper

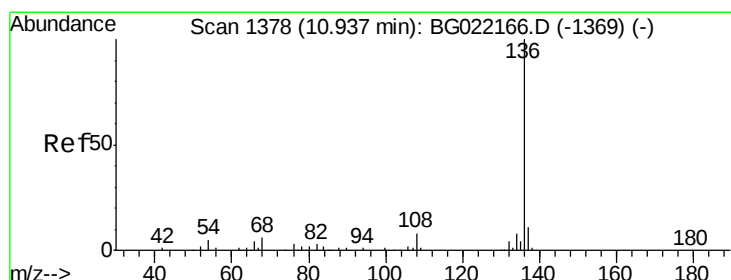
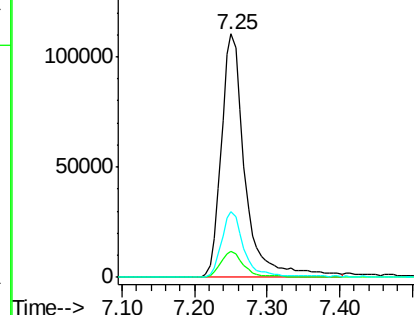
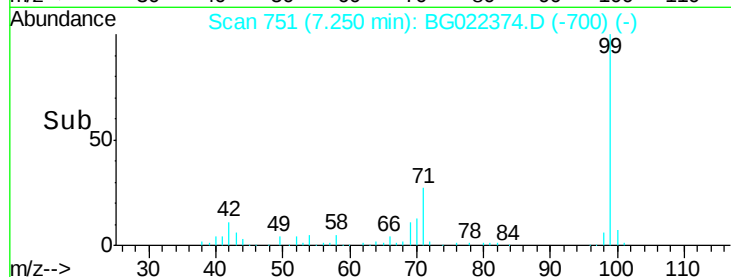
99 100

42 10.8 16.4 24.6#

71 27.0 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: 10.88 min Scan# 1368

Delta R.T. -0.03 min

Lab File: BG022374.D

Acq: 16 Jun 2016 20:18

Tgt Ion: 136 Resp: 124596

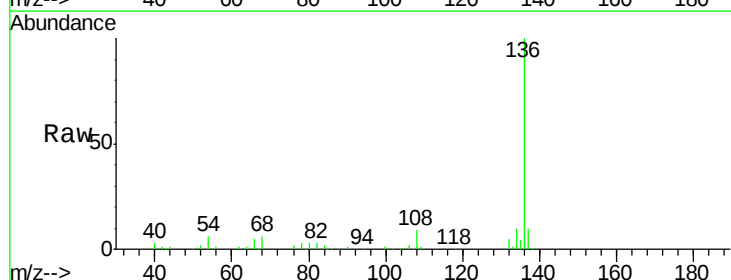
Ion Ratio Lower Upper

136 100

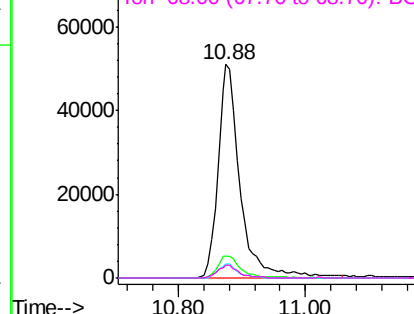
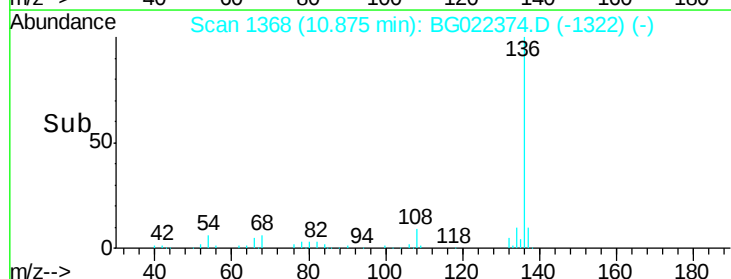
137 10.3 9.0 13.4

54 6.3 9.6 14.4#

68 6.2 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: 80.26 ng

RT: 9.23 min Scan# 1088

Delta R.T. -0.03 min

Lab File: BG022374.D

Acq: 16 Jun 2016 20:18

Instrument :

BNA_G

ClientSampleId :

HF-4-WC-3

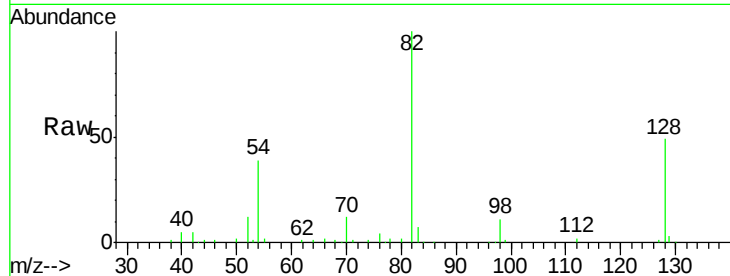
Tgt Ion: 82 Resp: 143443

Ion Ratio Lower Upper

82 100

128 48.7 33.4 50.0

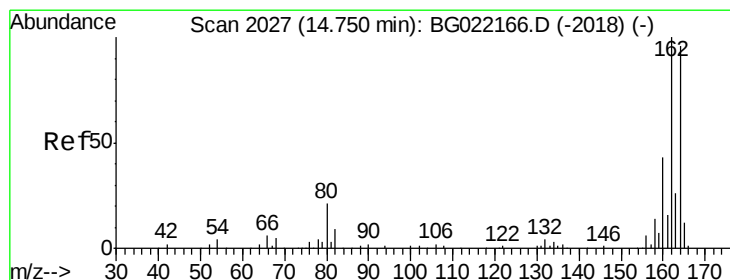
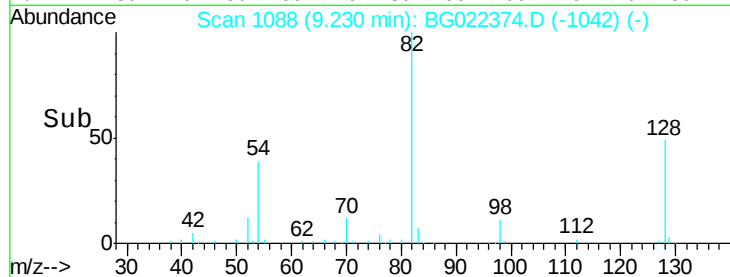
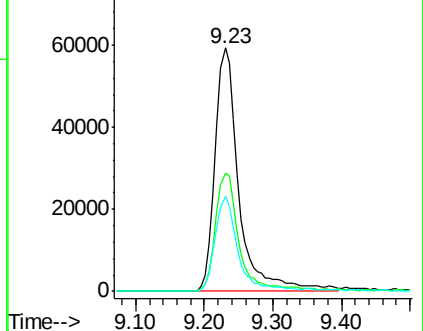
54 39.2 46.1 69.1#



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: 14.69 min Scan# 2018

Delta R.T. -0.03 min

Lab File: BG022374.D

Acq: 16 Jun 2016 20:18

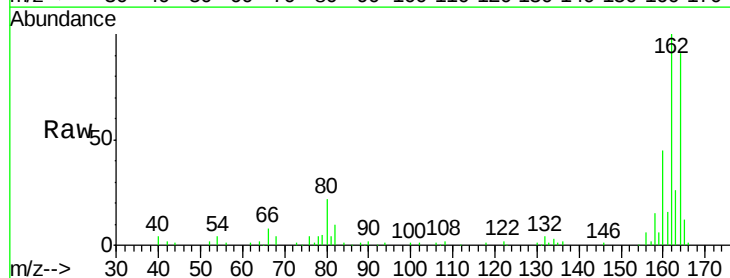
Tgt Ion: 164 Resp: 74509

Ion Ratio Lower Upper

164 100

162 110.3 78.0 117.0

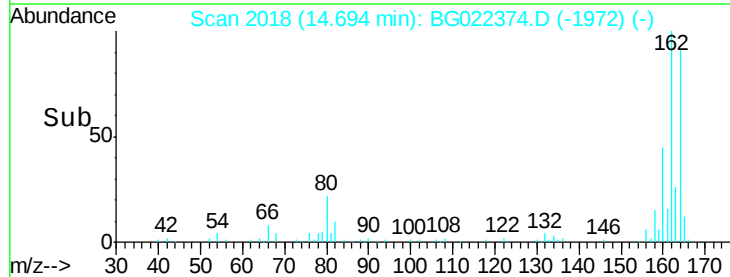
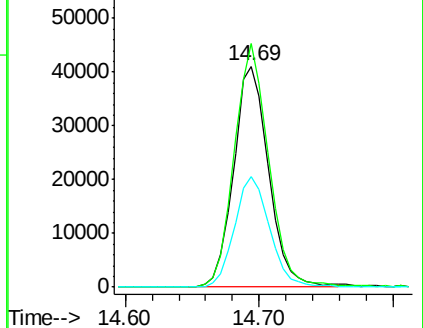
160 49.8 32.9 49.3#



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

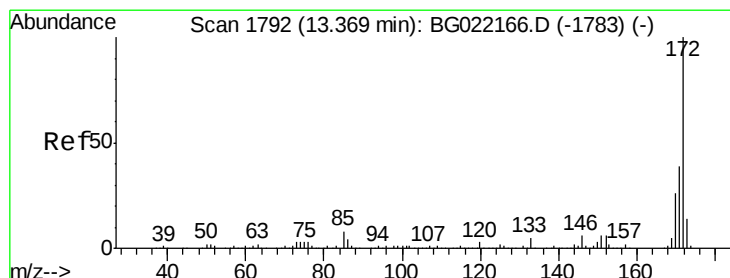
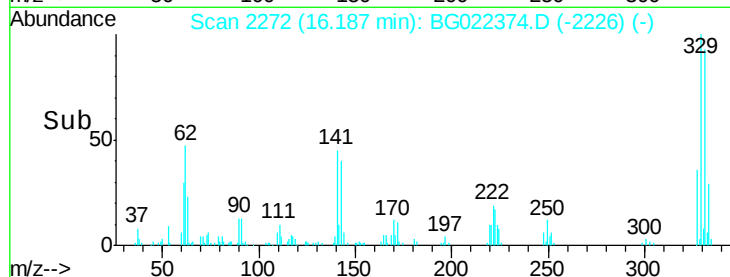
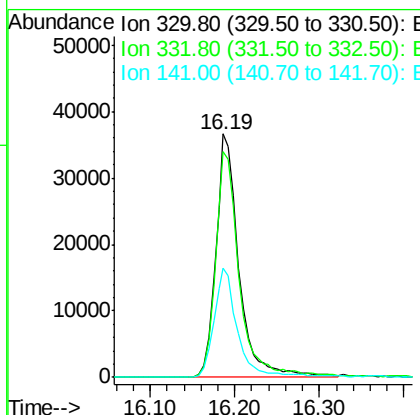
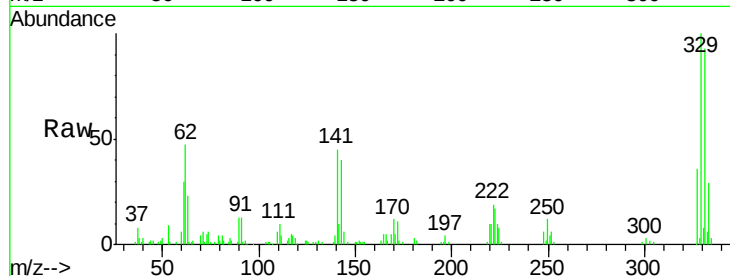




#41
 2,4,6-Tribromophenol
 Concen: 83.46 ng
 RT: 16.19 min Scan# 2272
 Delta R.T. -0.03 min
 Lab File: BG022374.D
 Acq: 16 Jun 2016 20:18

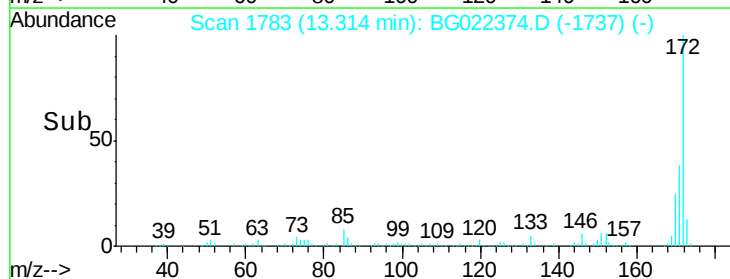
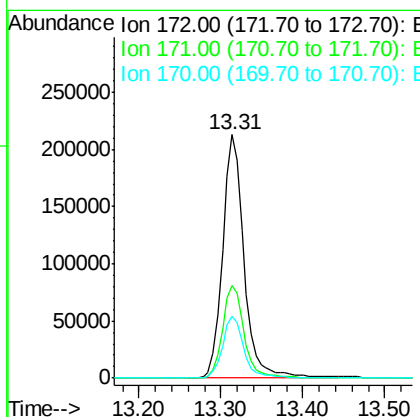
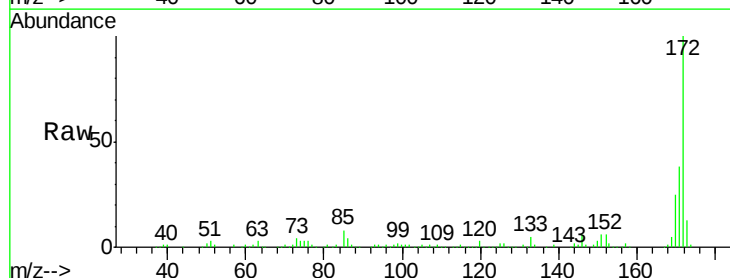
Instrument :
 BNA_G
 ClientSampleId :
 HF-4-WC-3

Tgt Ion:330 Resp: 70270
 Ion Ratio Lower Upper
 330 100
 332 95.3 78.0 117.0
 141 45.5 33.8 50.8



#44
 2-Fluorobiphenyl
 Concen: 79.31 ng
 RT: 13.31 min Scan# 1783
 Delta R.T. -0.03 min
 Lab File: BG022374.D
 Acq: 16 Jun 2016 20:18

Tgt Ion:172 Resp: 387750
 Ion Ratio Lower Upper
 172 100
 171 38.1 27.8 41.6
 170 25.5 19.6 29.4

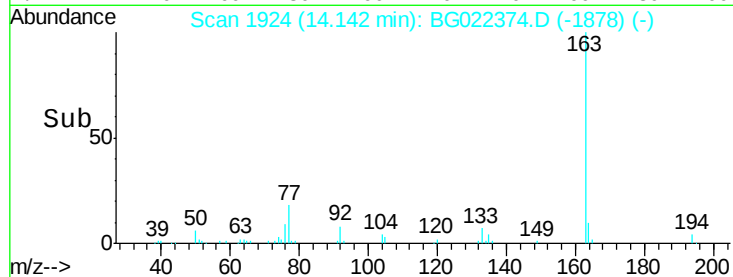
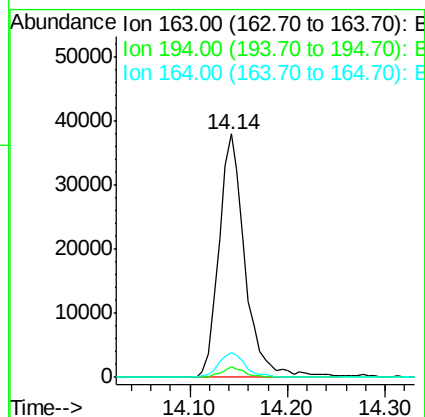
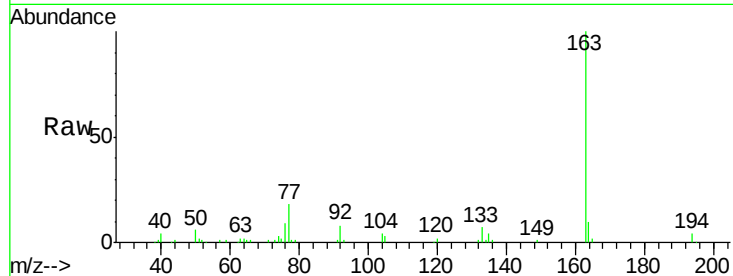




#49
Dimethylphthalate
Concen: 11.33 ng
RT: 14.14 min Scan# 1924
Delta R.T. -0.03 min
Lab File: BG022374.D
Acq: 16 Jun 2016 20:18

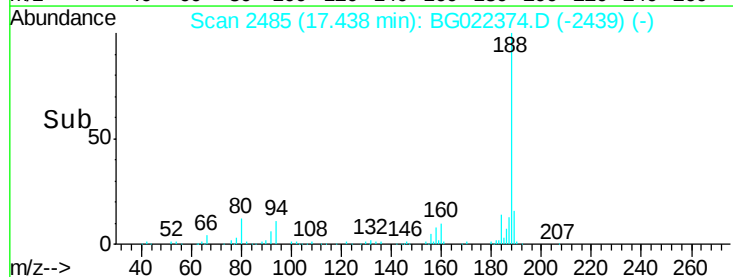
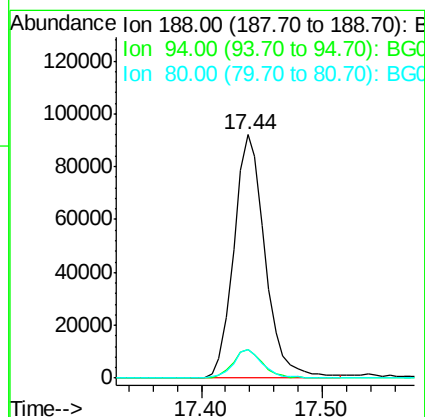
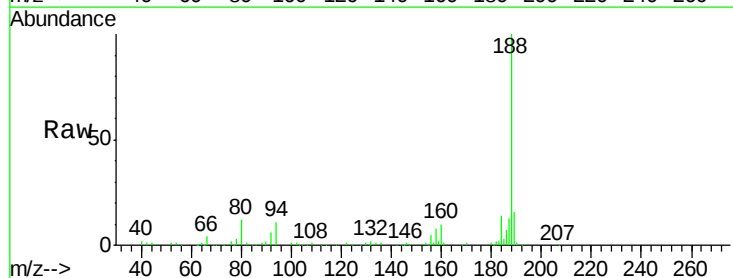
Instrument :
BNA_G
ClientSampleId :
HF-4-WC-3

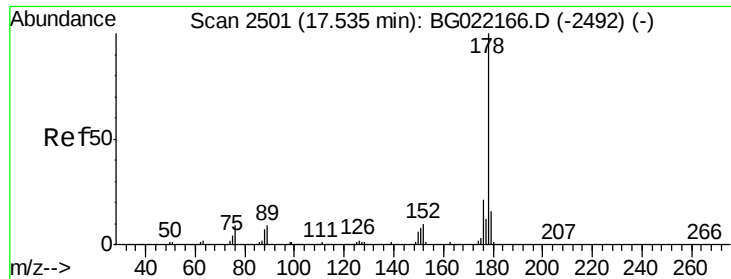
Tgt Ion:163 Resp: 70001
Ion Ratio Lower Upper
163 100
194 4.3 3.0 4.6
164 10.4 8.1 12.1



#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 17.44 min Scan# 2485
Delta R.T. -0.03 min
Lab File: BG022374.D
Acq: 16 Jun 2016 20:18

Tgt Ion:188 Resp: 165379
Ion Ratio Lower Upper
188 100
94 11.5 7.5 11.3#
80 11.7 8.6 13.0

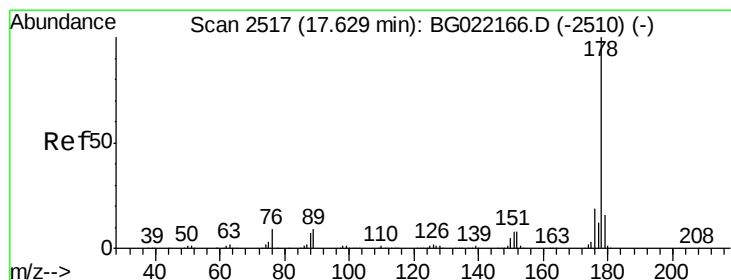
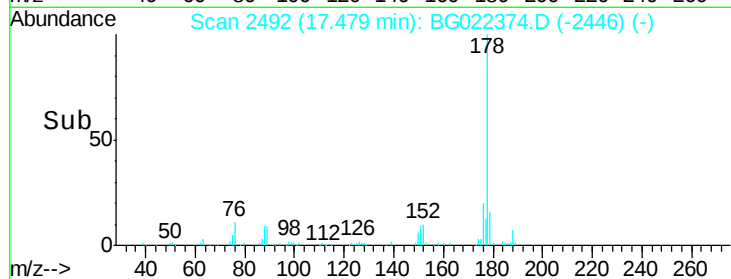
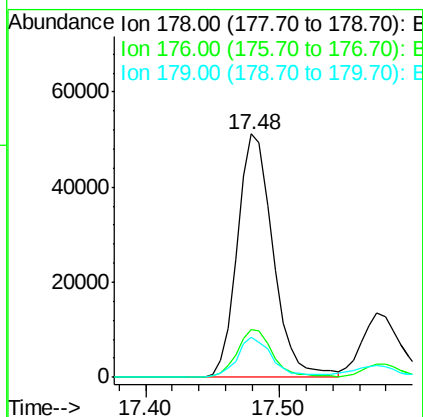
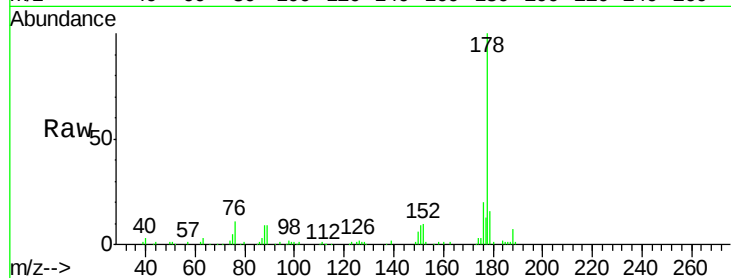




#70
Phenanthrene
Concen: 10.58 ng
RT: 17.48 min Scan# 2492
Delta R.T. -0.03 min
Lab File: BG022374.D
Acq: 16 Jun 2016 20:18

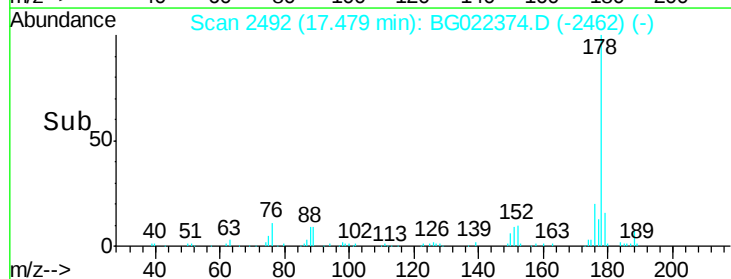
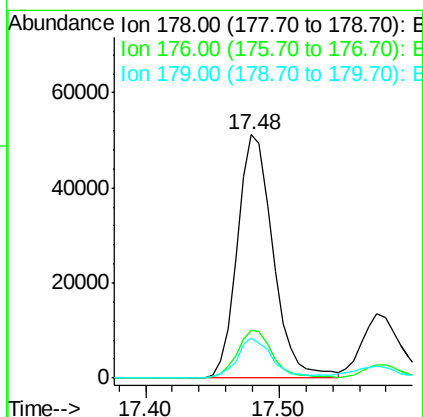
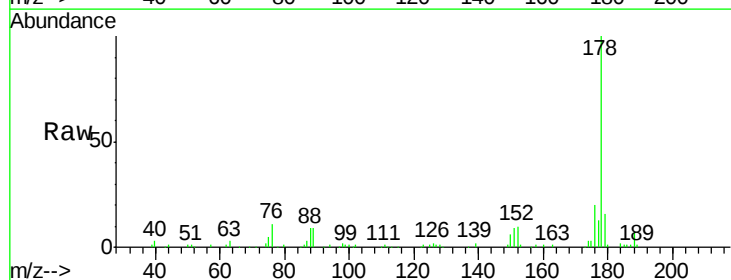
Instrument :
BNA_G
ClientSampleId :
HF-4-WC-3

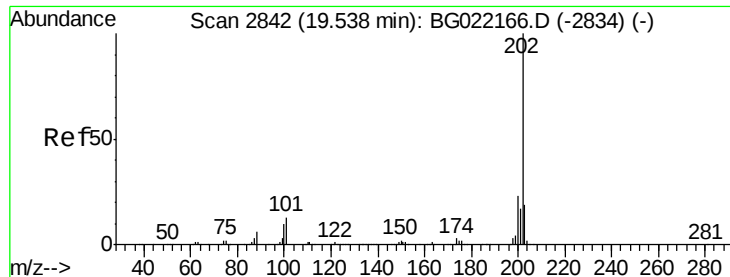
Tgt Ion:178 Resp: 95070
Ion Ratio Lower Upper
178 100
176 19.7 16.2 24.4
179 16.3 12.0 18.0



#71
Anthracene
Concen: 10.67 ng
RT: 17.48 min Scan# 2492
Delta R.T. -0.12 min
Lab File: BG022374.D
Acq: 16 Jun 2016 20:18

Tgt Ion:178 Resp: 95070
Ion Ratio Lower Upper
178 100
176 19.7 15.0 22.4
179 16.3 12.2 18.4





#74

Fluoranthene

Concen: 17.84 ng

RT: 19.48 min Scan# 2833

Delta R.T. -0.03 min

Lab File: BG022374.D

Acq: 16 Jun 2016 20:18

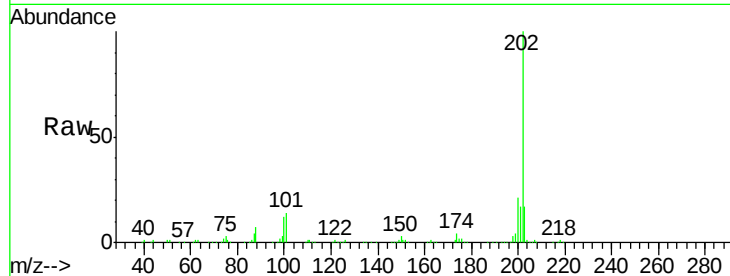
Instrument :

BNA_G

ClientSampleId :

HF-4-WC-3

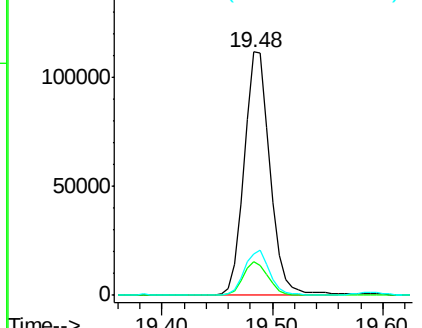
Tgt Ion:	202	Resp:	184171
Ion	Ratio	Lower	Upper
202	100		
101	13.7	0.0	31.0
203	16.8	0.0	37.9



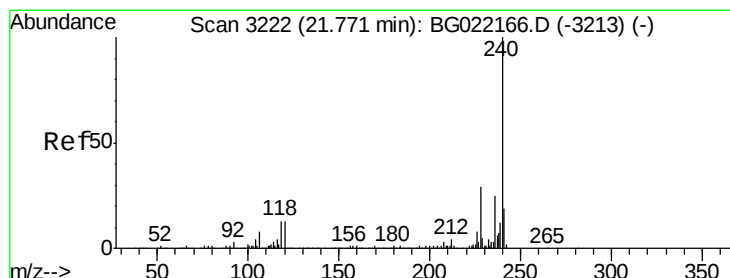
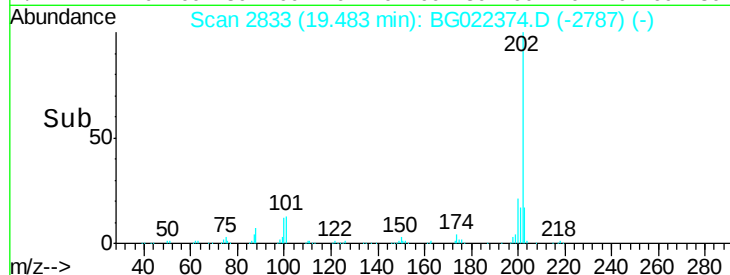
Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



Time-->



#75

Chrysene-d12

Concen: 20.00 ng

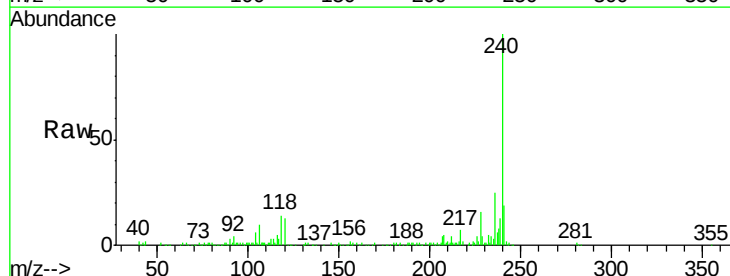
RT: 21.71 min Scan# 3212

Delta R.T. -0.03 min

Lab File: BG022374.D

Acq: 16 Jun 2016 20:18

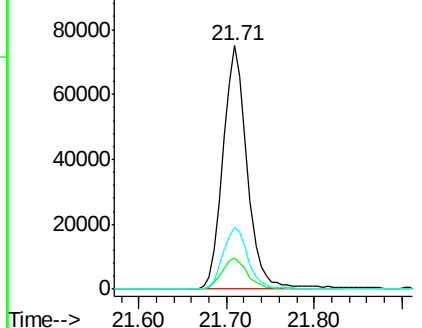
Tgt Ion:	240	Resp:	143763
Ion	Ratio	Lower	Upper
240	100		
120	13.0	8.4	12.6#
236	25.5	19.6	29.4



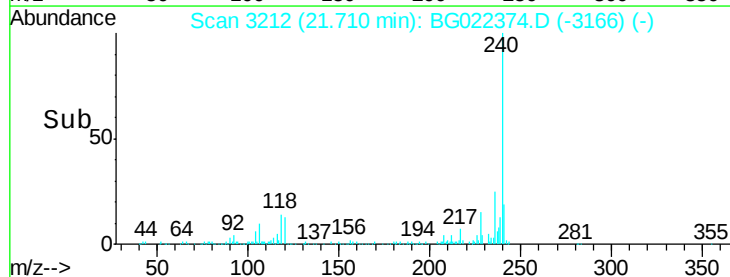
Abundance Ion 240.00 (239.70 to 240.70): E

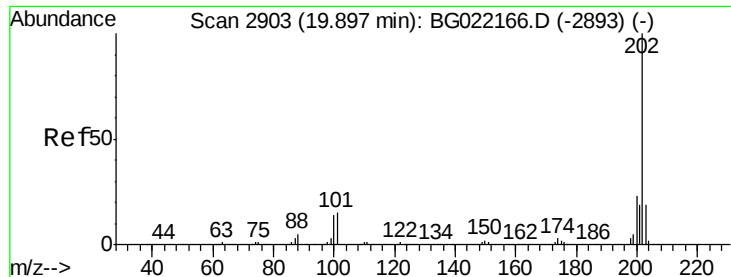
Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



Time-->





#77

Pyrene

Concen: 16.29 ng

RT: 19.85 min Scan# 2895

Delta R.T. -0.03 min

Lab File: BG022374.D

Acq: 16 Jun 2016 20:18

Instrument :

BNA_G

ClientSampleId :

HF-4-WC-3

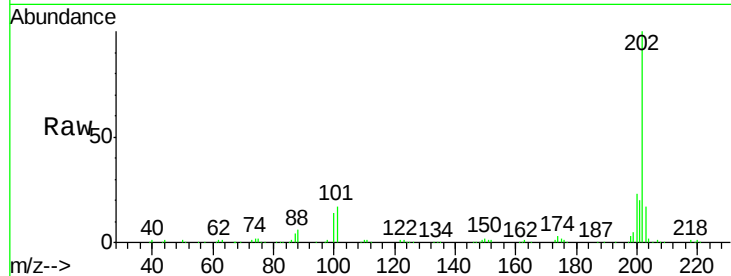
Tgt Ion:202 Resp: 145575

Ion Ratio Lower Upper

202 100

200 23.0 18.2 27.2

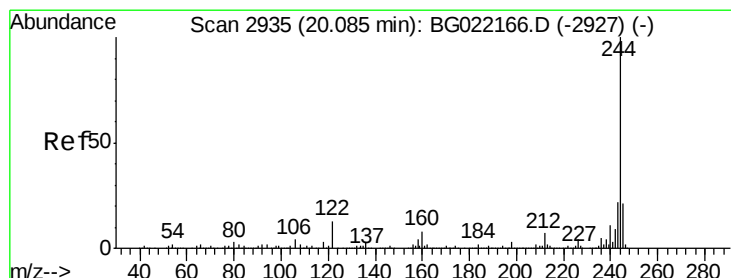
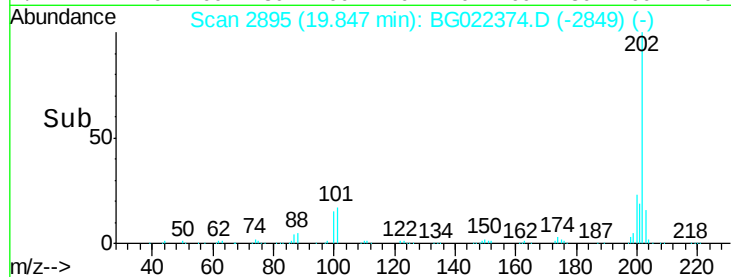
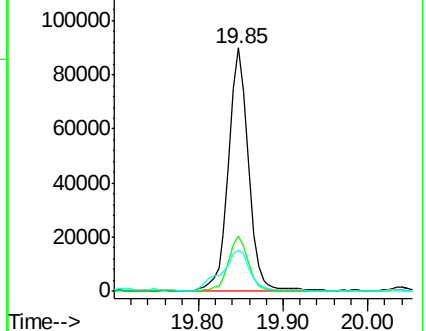
203 17.2 15.0 22.4



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: 80.18 ng

RT: 20.04 min Scan# 2927

Delta R.T. -0.02 min

Lab File: BG022374.D

Acq: 16 Jun 2016 20:18

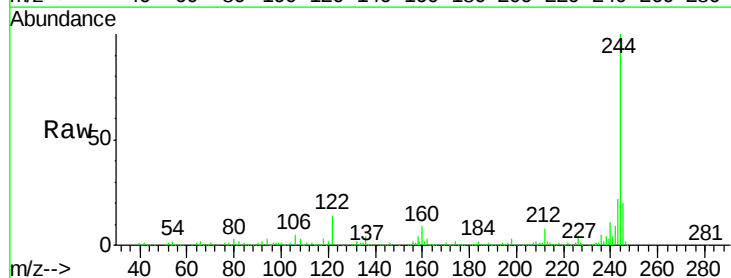
Tgt Ion:244 Resp: 485554

Ion Ratio Lower Upper

244 100

212 7.9 6.5 9.7

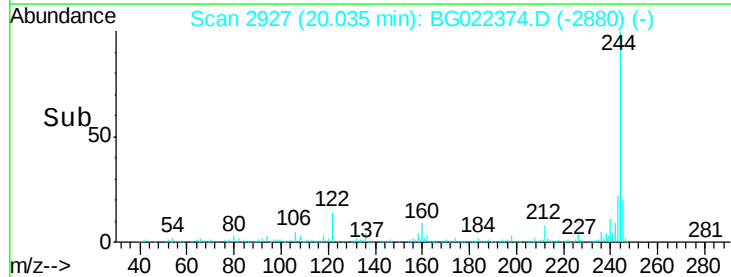
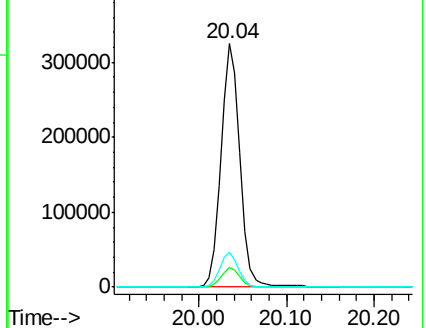
122 14.2 8.6 12.8#

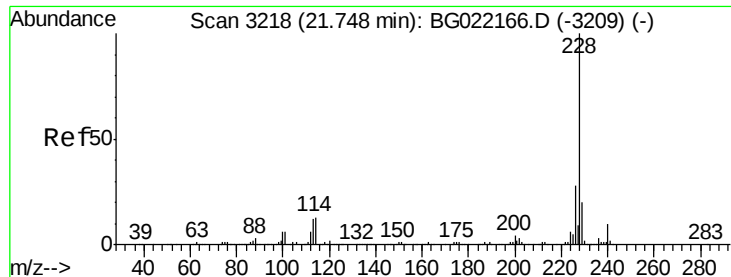


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

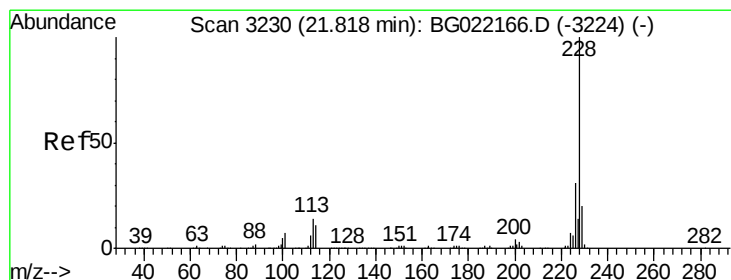
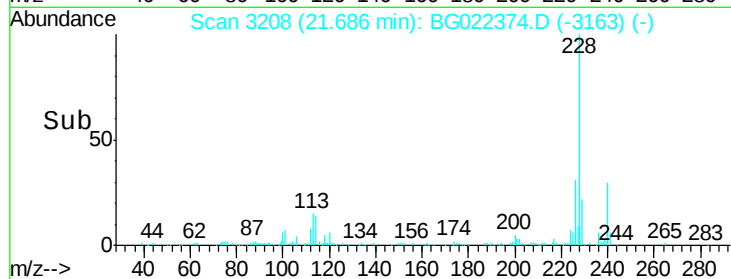
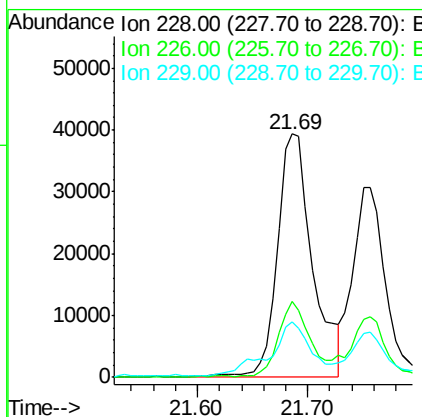
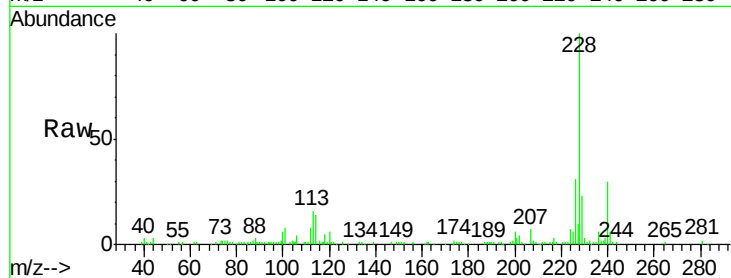




#80
Benzo(a)anthracene
Concen: 10.80 ng
RT: 21.69 min Scan# 3208
Delta R.T. -0.04 min
Lab File: BG022374.D
Acq: 16 Jun 2016 20:18

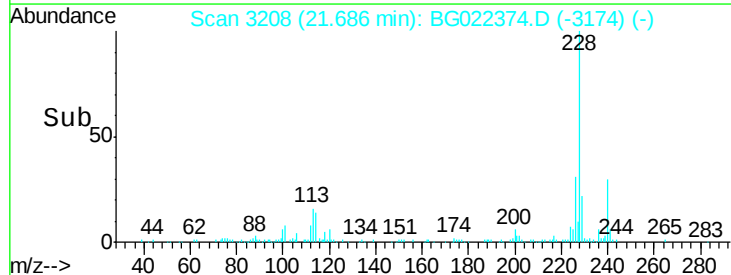
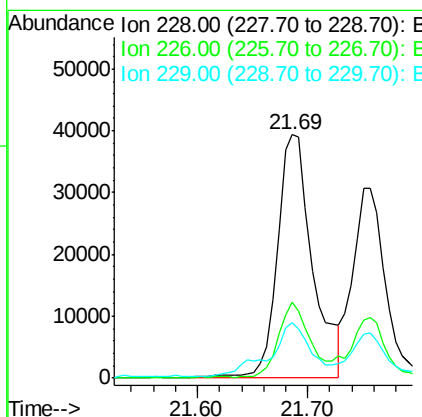
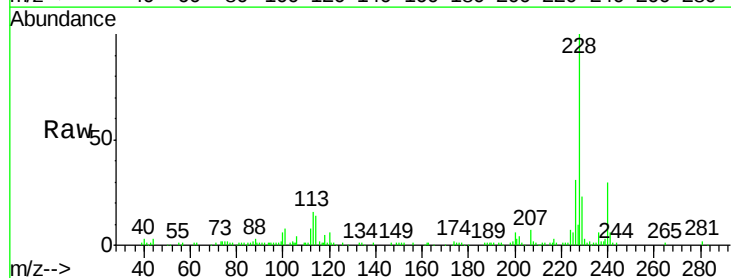
Instrument :
BNA_G
ClientSampleId :
HF-4-WC-3

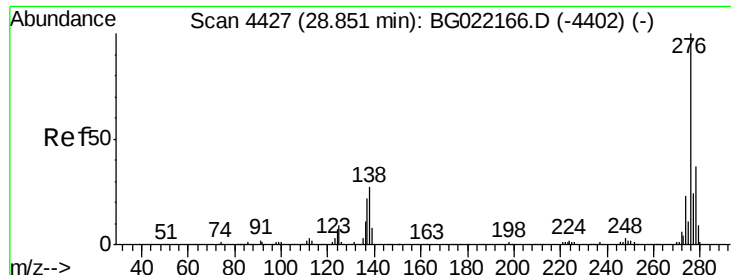
Tgt Ion:228 Resp: 87056
Ion Ratio Lower Upper
228 100
226 31.0 22.6 34.0
229 22.7 16.1 24.1



#82
Chrysene
Concen: 11.10 ng
RT: 21.69 min Scan# 3208
Delta R.T. -0.10 min
Lab File: BG022374.D
Acq: 16 Jun 2016 20:18

Tgt Ion:228 Resp: 87056
Ion Ratio Lower Upper
228 100
226 31.0 25.4 38.0
229 22.7 15.9 23.9

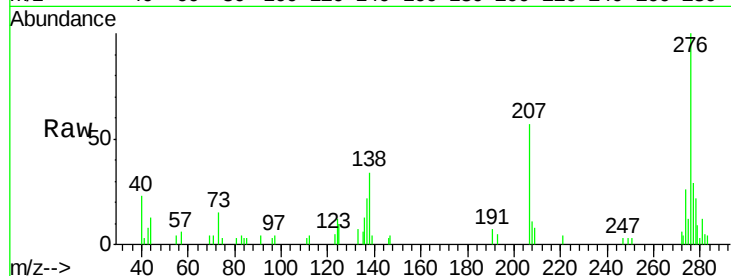




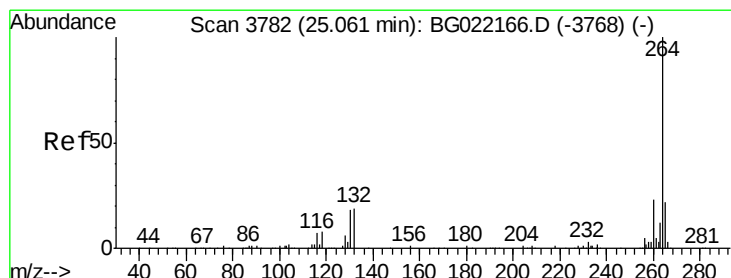
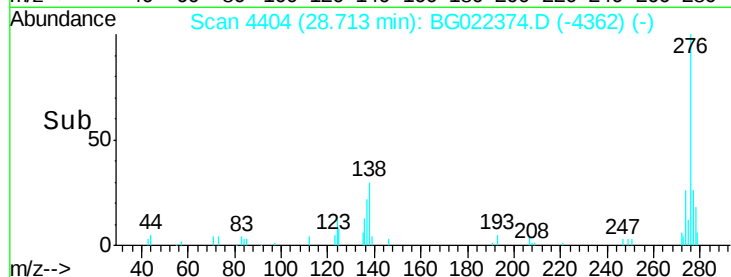
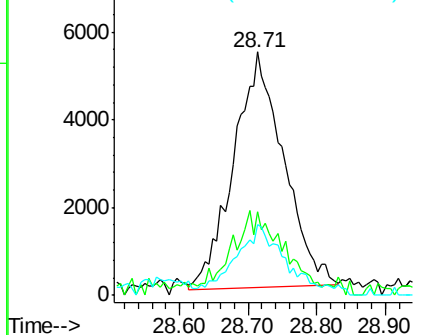
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 3.11 ng
 RT: 28.71 min Scan# 4404
 Delta R.T. -0.05 min
 Lab File: BG022374.D
 Acq: 16 Jun 2016 20:18

Instrument :
 BNA_G
 ClientSampleId :
 HF-4-WC-3

Tgt Ion: 276 Resp: 27348
 Ion Ratio Lower Upper
 276 100
 138 2.5 14.0 21.0#
 277 24.3 20.6 30.8

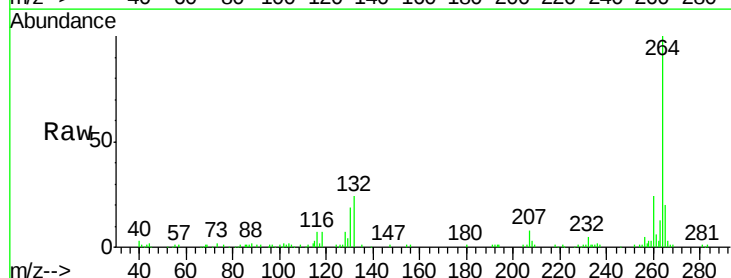


Abundance Ion 276.00 (275.70 to 276.70): E
 Ion 138.00 (137.70 to 138.70): E
 Ion 277.00 (276.70 to 277.70): E

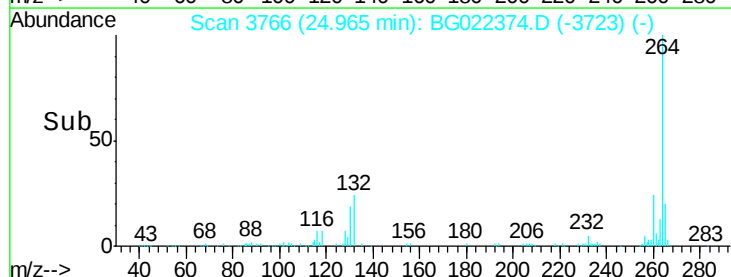
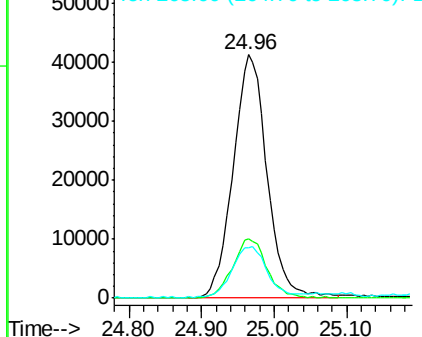


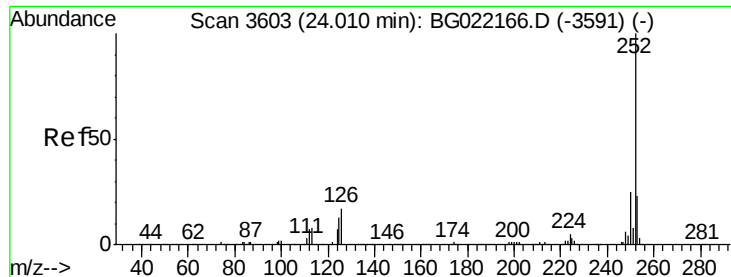
#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 24.96 min Scan# 3766
 Delta R.T. -0.05 min
 Lab File: BG022374.D
 Acq: 16 Jun 2016 20:18

Tgt Ion: 264 Resp: 134255
 Ion Ratio Lower Upper
 264 100
 260 24.4 20.2 30.4
 265 20.5 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: 9.85 ng

RT: 23.93 min Scan# 3590

Delta R.T. -0.04 min

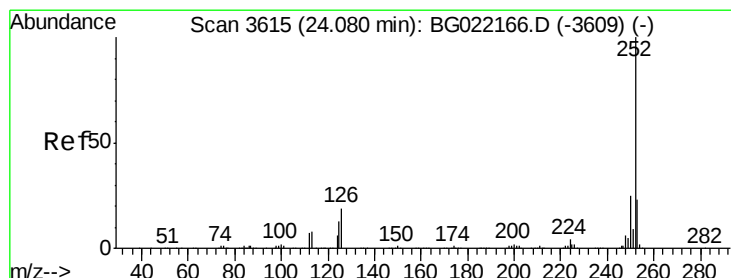
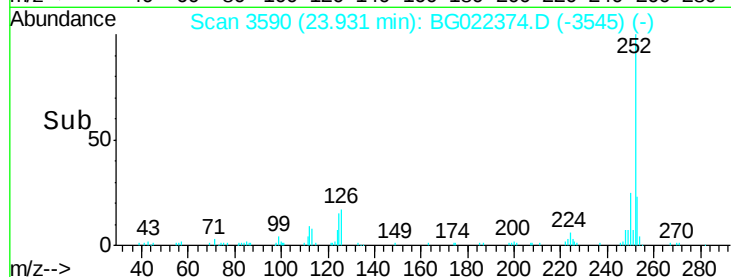
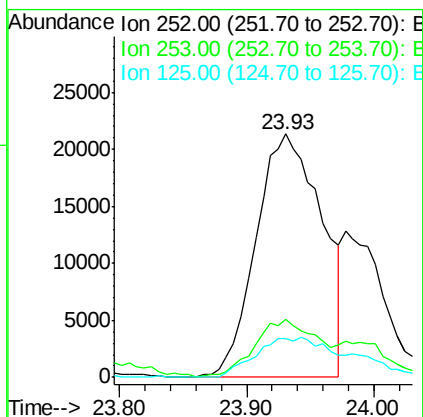
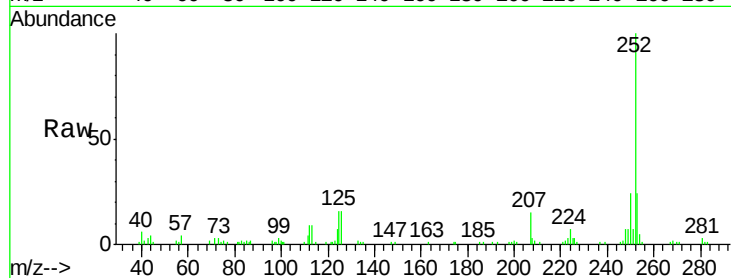
Lab File: BG022374.D

Acq: 16 Jun 2016 20:18

Instrument :
BNA_G
ClientSampleId :
HF-4-WC-3

Tgt Ion:252 Resp: 77089

Ion	Ratio	Lower	Upper
252	100		
253	23.9	17.5	26.3
125	16.0	8.6	13.0#



#88

Benzo(k)fluoranthene

Concen: 10.00 ng

RT: 23.93 min Scan# 3590

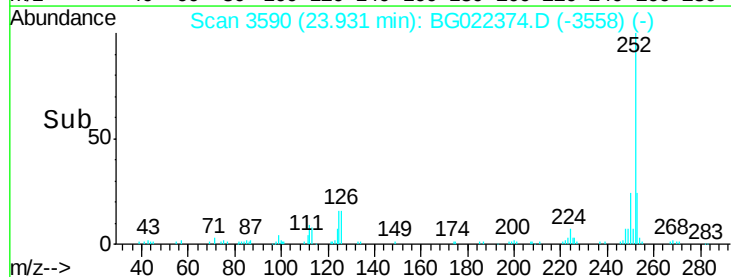
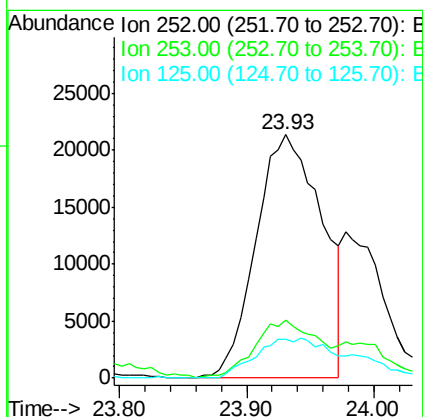
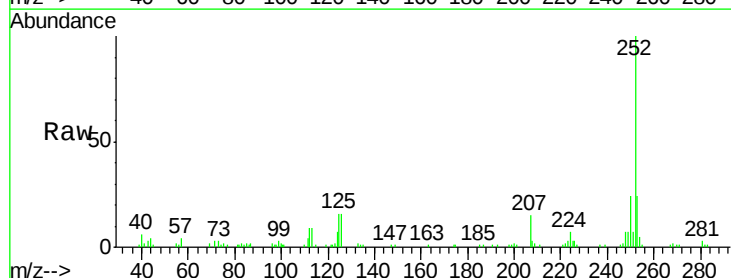
Delta R.T. -0.11 min

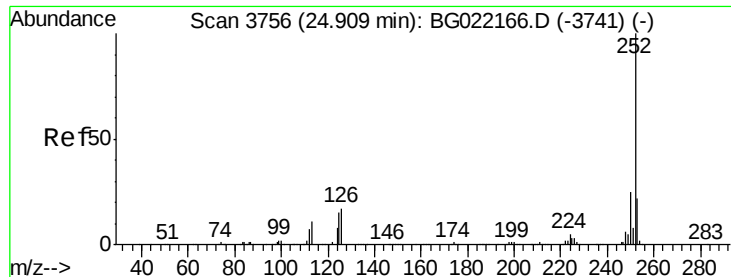
Lab File: BG022374.D

Acq: 16 Jun 2016 20:18

Tgt Ion:252 Resp: 77089

Ion	Ratio	Lower	Upper
252	100		
253	23.9	17.8	26.8
125	16.0	8.3	12.5#





#89

Benzo(a)pyrene

Concen: 7.17 ng

RT: 24.81 min Scan# 3739

Delta R.T. -0.05 min

Lab File: BG022374.D

Acq: 16 Jun 2016 20:18

Instrument :

BNA_G

ClientSampleId :

HF-4-WC-3

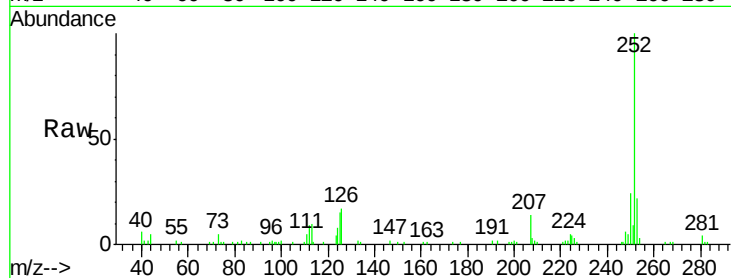
Tgt Ion:252 Resp: 53669

Ion Ratio Lower Upper

252 100

253 22.1 17.1 25.7

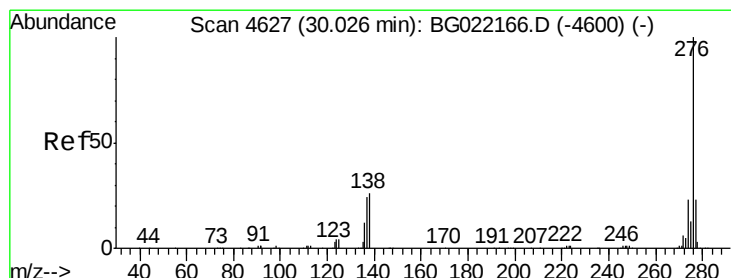
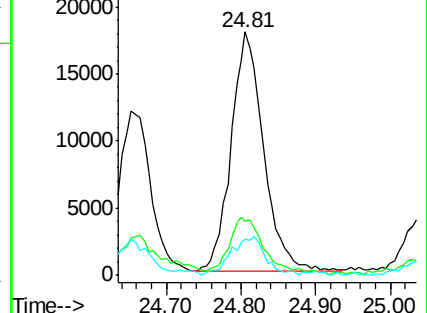
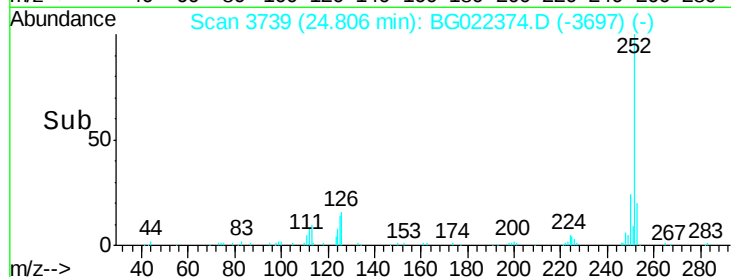
125 14.9 9.6 14.4#



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: 3.79 ng

RT: 29.90 min Scan# 4606

Delta R.T. -0.04 min

Lab File: BG022374.D

Acq: 16 Jun 2016 20:18

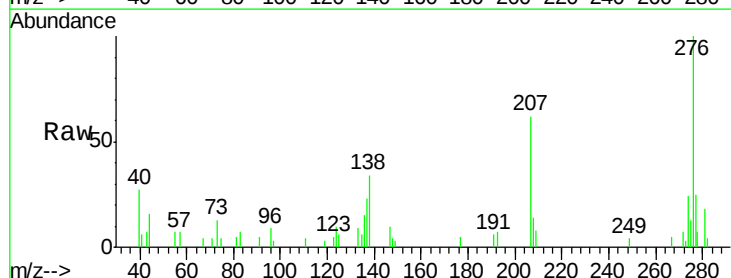
Tgt Ion:276 Resp: 27805

Ion Ratio Lower Upper

276 100

277 24.9 19.4 29.2

138 33.9 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

