

Data Path : Z:\HPCHEM1\BNA G\DATA\BG060916\
 Data File : BG022262.D
 Acq On : 9 Jun 2016 10:35
 Operator : UM/SJ
 Sample : H3402-09 2X
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SS-43

Quant Time: Jun 09 17:27:01 2016
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG060616.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jun 06 16:12:45 2016
 Response via : Initial Calibration

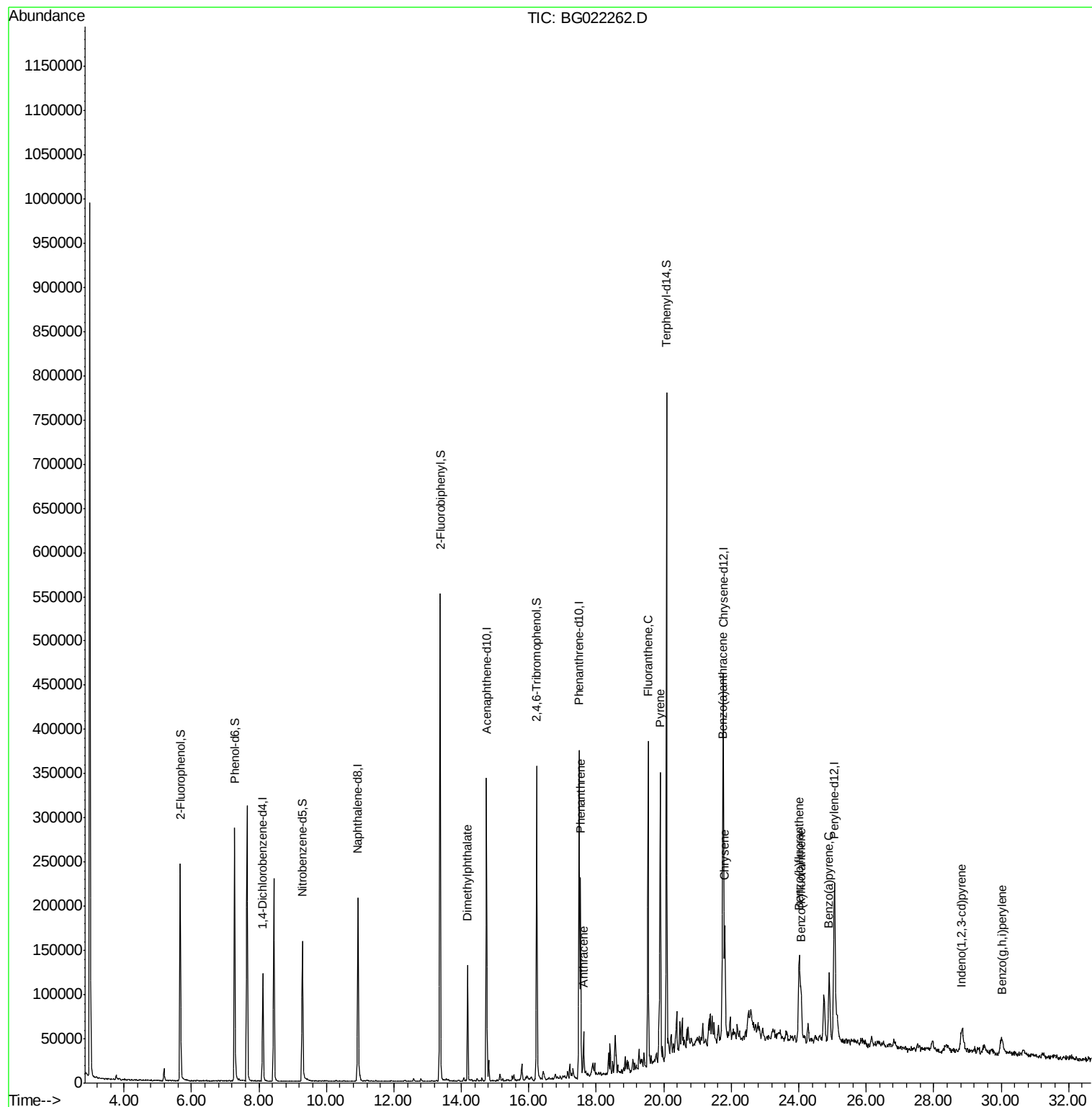
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.12	152	45272	20.00	ng	0.00
21) Naphthalene-d8	10.94	136	229517	20.00	ng	0.00
38) Acenaphthene-d10	14.74	164	132526	20.00	ng	0.00
63) Phenanthrene-d10	17.49	188	254031	20.00	ng	0.00
75) Chrysene-d12	21.76	240	216619	20.00	ng	0.00
86) Perylene-d12	25.06	264	210426	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.67	112	167053	71.34	ng	0.00
7) Phenol-d6	7.28	99	249069	67.65	ng	0.00
23) Nitrobenzene-d5	9.29	82	129396	39.30	ng	0.00
41) 2,4,6-Tribromophenol	16.23	330	80203	53.56	ng	0.00
44) 2-Fluorobiphenyl	13.37	172	348225	40.04	ng	0.00
78) Terphenyl-d14	20.08	244	364908	39.99	ng	0.00
Target Compounds						Qvalue
49) Dimethylphthalate	14.19	163	103782	9.44	ng	97
70) Phenanthrene	17.53	178	157744	11.43	ng	98
71) Anthracene	17.62	178	35995	2.63	ng	99
74) Fluoranthene	19.53	202	239319	15.09	ng	97
77) Pyrene	19.90	202	222464	16.52	ng	99
80) Benzo(a)anthracene	21.74	228	112207	9.24	ng	99
82) Chrysene	21.81	228	90082	7.62	ng	95
85) Indeno(1,2,3-cd)pyrene	28.82	276	54913m	4.14	ng	
87) Benzo(b)fluoranthene	24.02	252	113298m	9.23	ng	
88) Benzo(k)fluoranthene	24.07	252	53769m	4.45	ng	
89) Benzo(a)pyrene	24.90	252	87240	7.43	ng	# 97
91) Benzo(a,h,i)perylene	30.02	276	54427m	4.73	ng	

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

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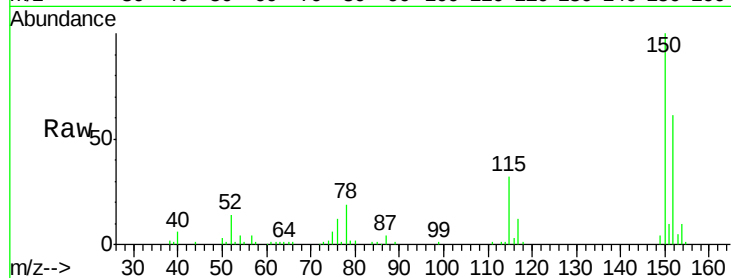


#1

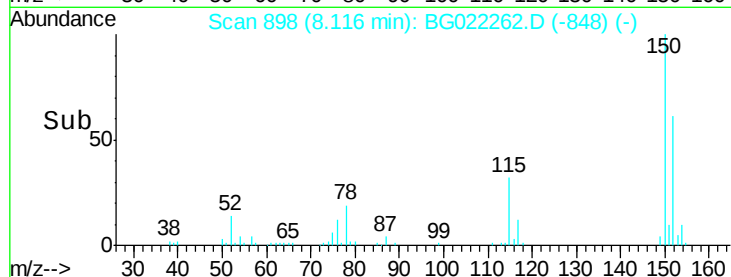
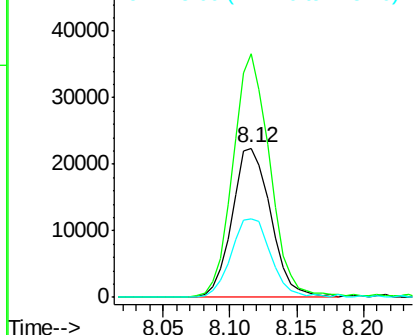
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 8.12 min Scan# 898
Delta R.T. -0.01 min
Lab File: BG022262.D
Acq: 9 Jun 2016 10:35

Instrument :
BNA_G
ClientSampleId :
SS-43

Tot Ion:152 Resp: 45272
Ion Ratio Lower Upper
152 100
150 162.9 130.1 195.1
115 52.5 62.2 93.2#



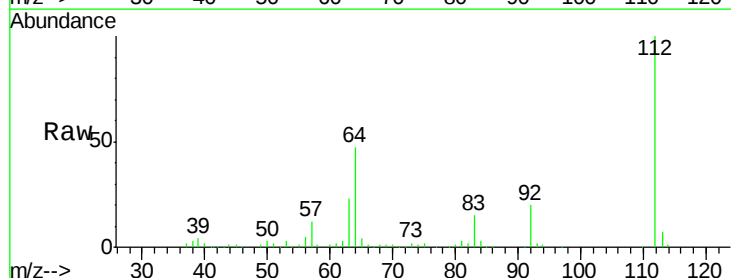
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



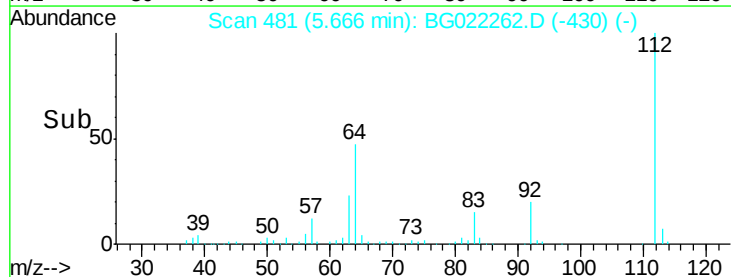
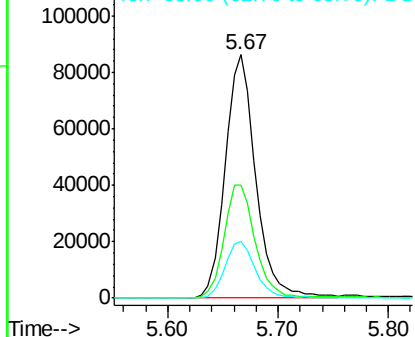
#5

2-Fluorophenol
Concen: 71.34 ng
RT: 5.67 min Scan# 481
Delta R.T. 0.00 min
Lab File: BG022262.D
Acq: 9 Jun 2016 10:35

Tgt Ion:112 Resp: 167053
Ion Ratio Lower Upper
112 100
64 46.7 51.1 76.7#
63 23.4 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: 67.65 ng

RT: 7.28 min Scan# 755

Delta R.T. -0.00 min

Lab File: BG022262.D

Acq: 9 Jun 2016 10:35

Instrument :

BNA_G

ClientSampleId :

SS-43

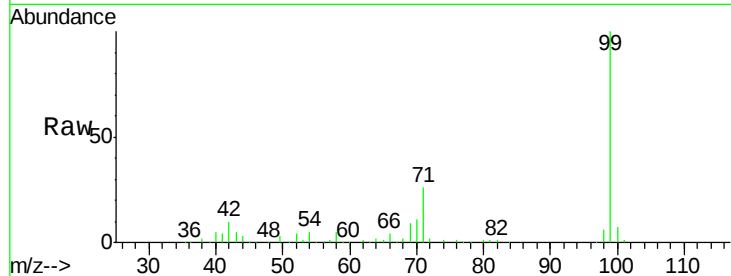
Tot Ion: 99 Resp: 249069

Ion Ratio Lower Upper

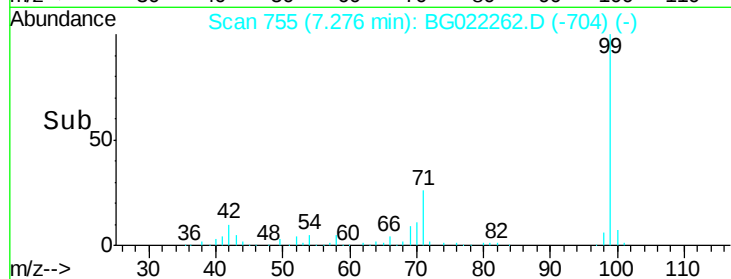
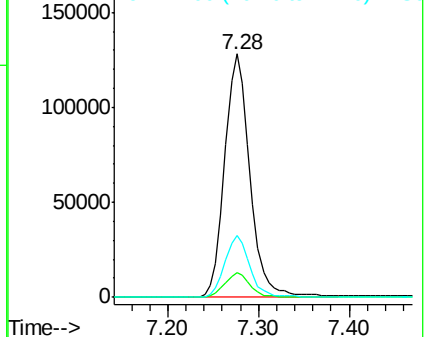
99 100

42 10.0 16.4 24.6#

71 25.6 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: 10.94 min Scan# 1378

Delta R.T. -0.00 min

Lab File: BG022262.D

Acq: 9 Jun 2016 10:35

Tgt Ion: 136 Resp: 229517

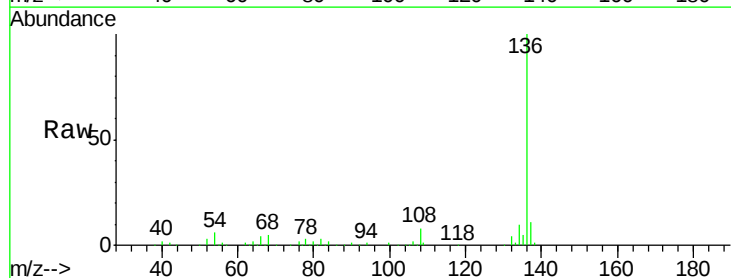
Ion Ratio Lower Upper

136 100

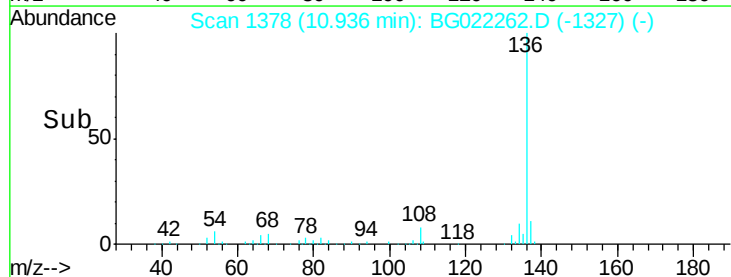
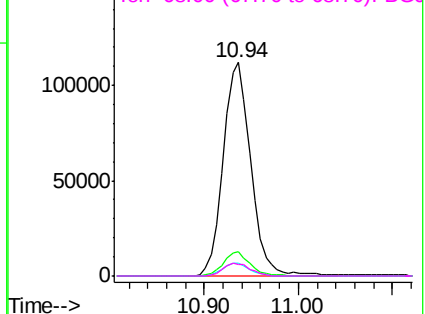
137 11.1 9.0 13.4

54 5.9 9.6 14.4#

68 5.2 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

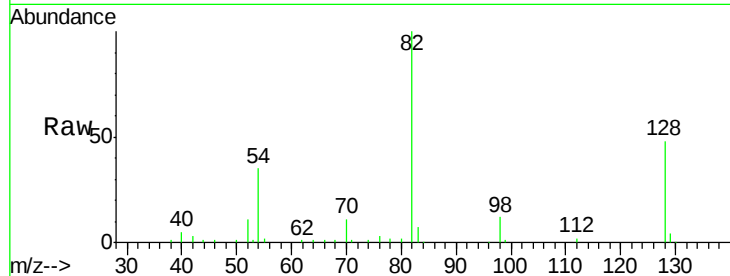




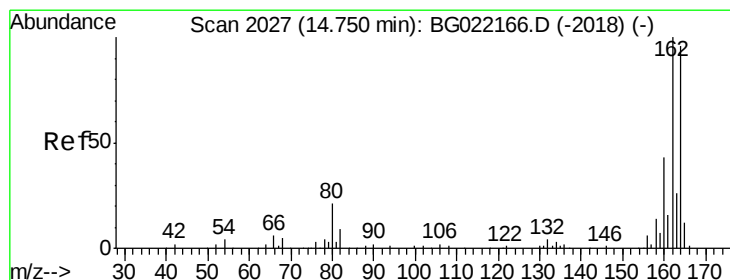
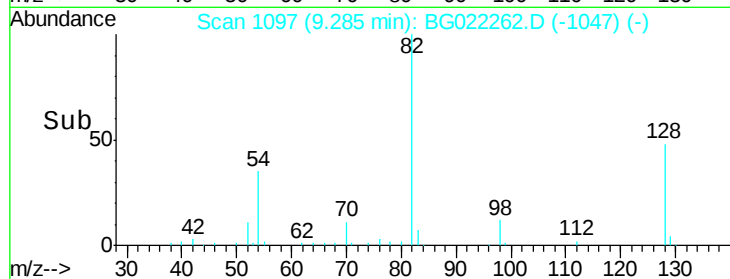
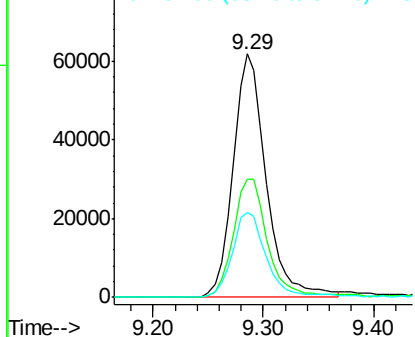
#23
Nitrobenzene-d5
Concen: 39.30 ng
RT: 9.29 min Scan# 1097
Delta R.T. -0.01 min
Lab File: BG022262.D
Acq: 9 Jun 2016 10:35

Instrument :
BNA_G
ClientSampleId :
SS-43

Tot Ion	82	Resp	129396
Ion Ratio	100	Lower	Upper
128	48.4	33.4	50.0
54	35.1	46.1	69.1#

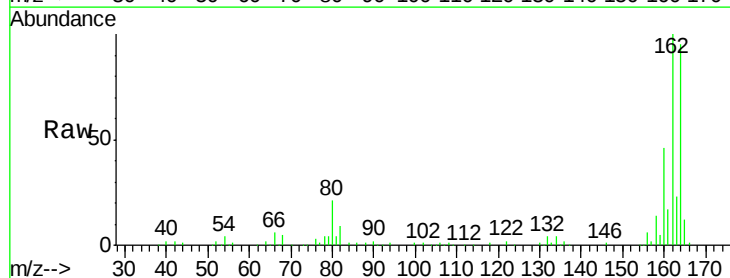


Abundance Ion 82.00 (81.70 to 82.70): BGC
Ion 128.00 (127.70 to 128.70): BGC
Ion 54.00 (53.70 to 54.70): BGC

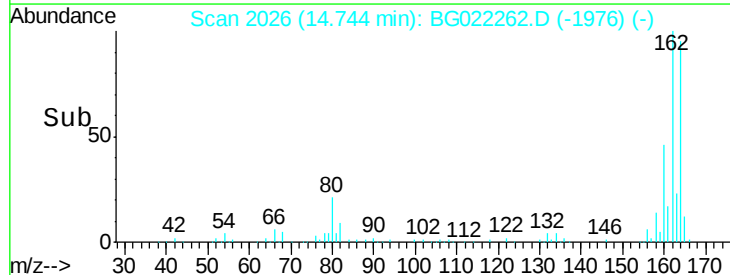
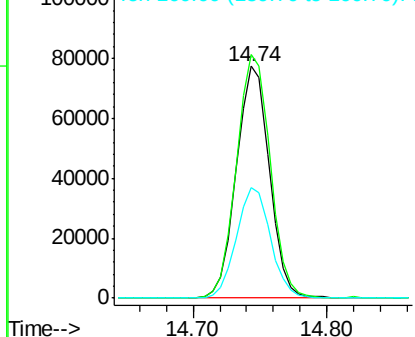


#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 14.74 min Scan# 2026
Delta R.T. -0.01 min
Lab File: BG022262.D
Acq: 9 Jun 2016 10:35

Tgt Ion	164	Resp	132526
Ion Ratio	100	Lower	Upper
162	105.0	78.0	117.0
160	47.8	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: 53.56 ng

RT: 16.23 min Scan# 2279

Delta R.T. -0.01 min

Lab File: BG022262.D

Acq: 9 Jun 2016 10:35

Instrument :

BNA_G

ClientSampleId :

SS-43

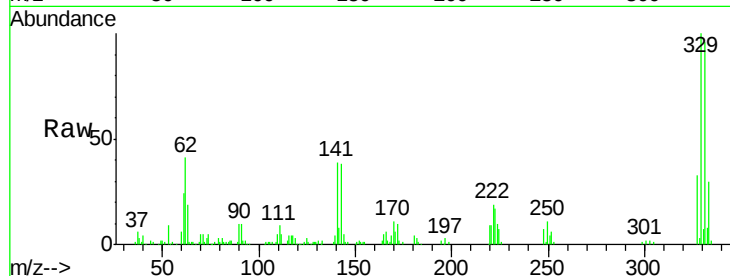
Tot Ion:330 Resp: 80203

Ion Ratio Lower Upper

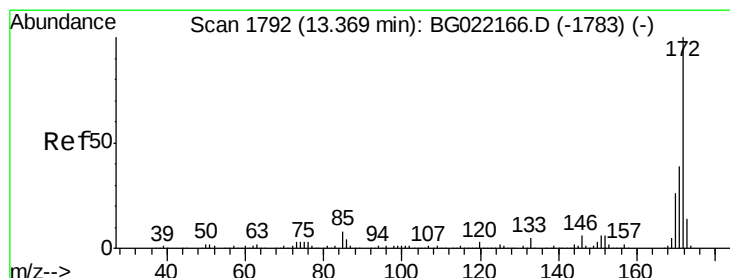
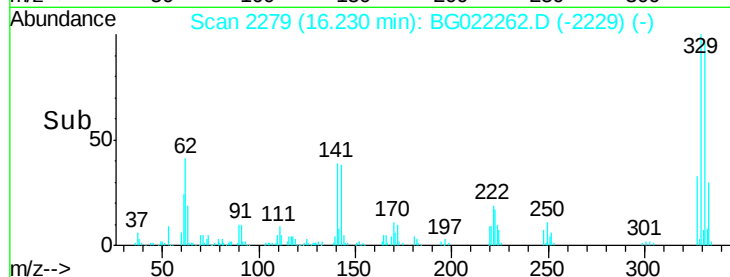
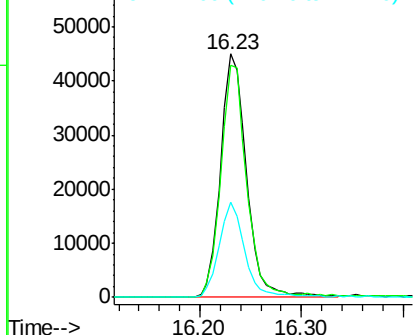
330 100

332 94.0 78.0 117.0

141 38.7 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: 40.04 ng

RT: 13.37 min Scan# 1792

Delta R.T. -0.00 min

Lab File: BG022262.D

Acq: 9 Jun 2016 10:35

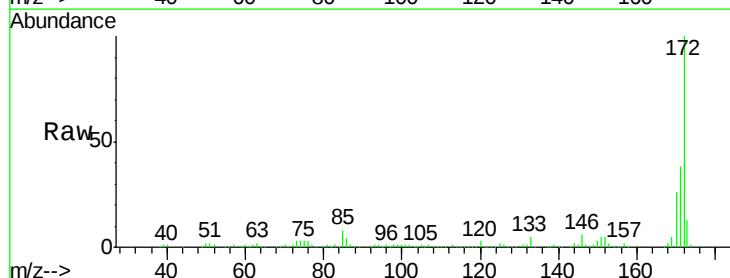
Tgt Ion:172 Resp: 348225

Ion Ratio Lower Upper

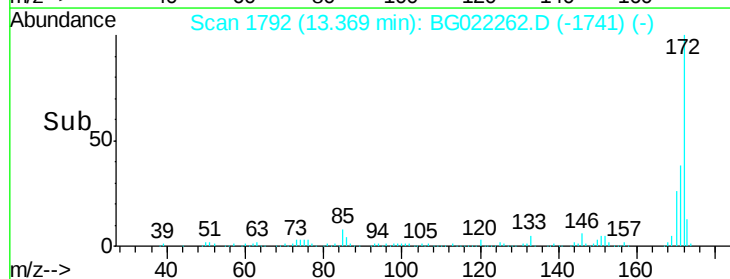
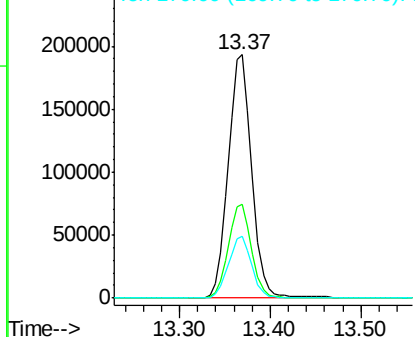
172 100

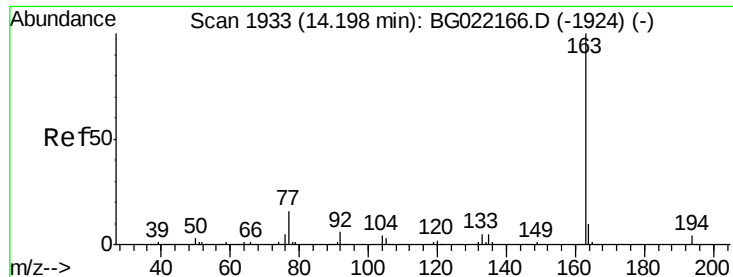
171 38.4 27.8 41.6

170 25.7 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

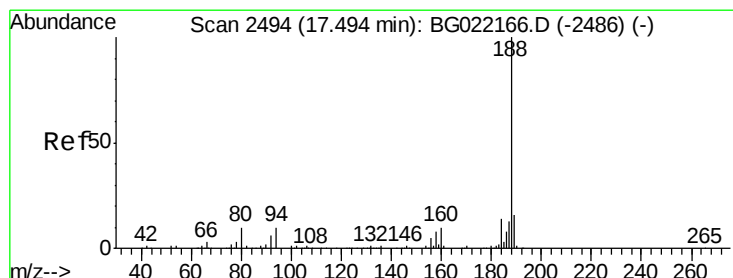
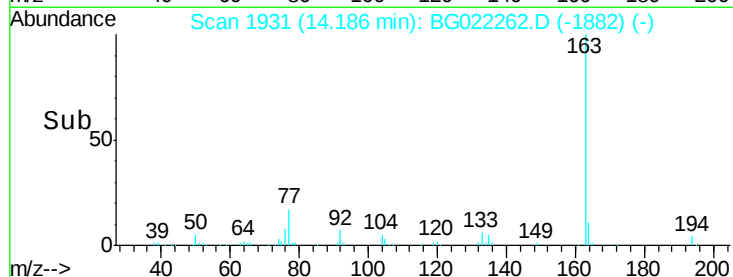
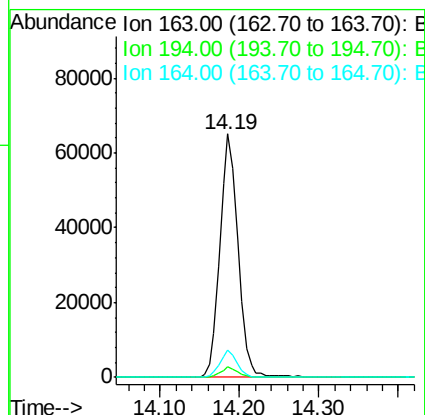
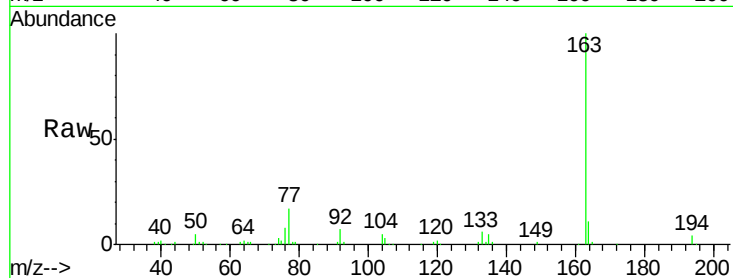




#49
Dimethylphthalate
Concen: 9.44 ng
RT: 14.19 min Scan# 1931
Delta R.T. -0.01 min
Lab File: BG022262.D
Acq: 9 Jun 2016 10:35

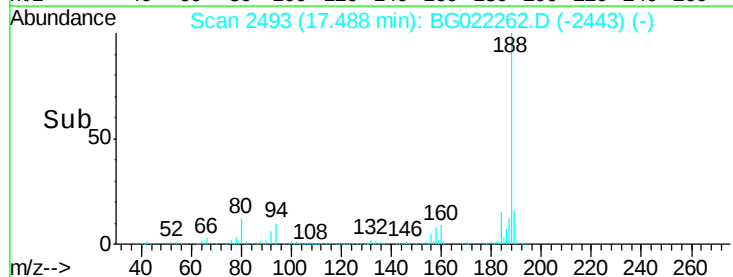
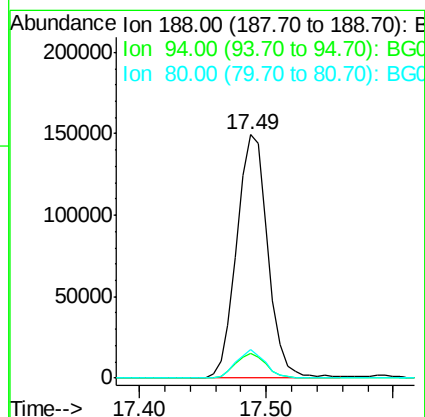
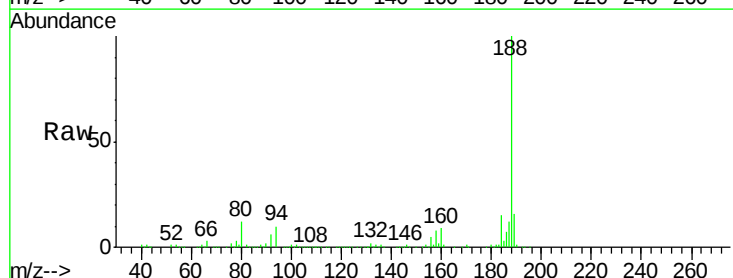
Instrument :
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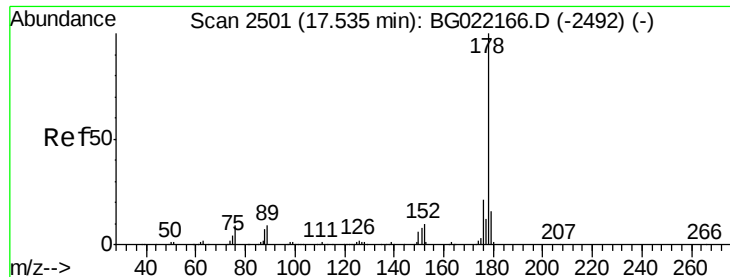
Tot Ion:163 Resp: 103782
Ion Ratio Lower Upper
163 100
194 4.4 3.0 4.6
164 11.3 8.1 12.1



#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 17.49 min Scan# 2493
Delta R.T. -0.01 min
Lab File: BG022262.D
Acq: 9 Jun 2016 10:35

Tgt Ion:188 Resp: 254031
Ion Ratio Lower Upper
188 100
94 10.3 7.5 11.3
80 11.9 8.6 13.0





#70

Phenanthrene

Concen: 11.43 ng

RT: 17.53 min Scan# 2500

Delta R.T. -0.01 min

Lab File: BG022262.D

Acq: 9 Jun 2016 10:35

Instrument :

BNA_G

ClientSampleId :

SS-43

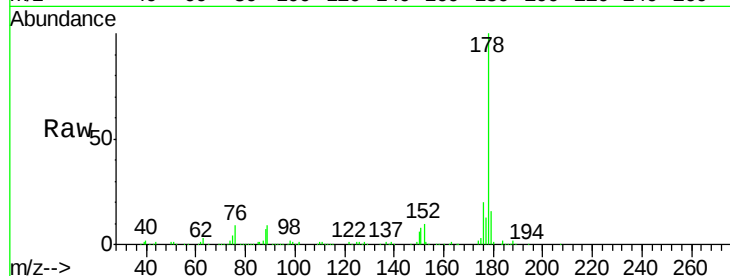
Tot Ion:178 Resp: 157744

Ion Ratio Lower Upper

178 100

176 19.8 16.2 24.4

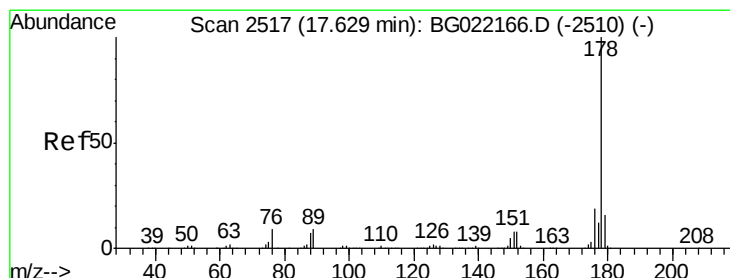
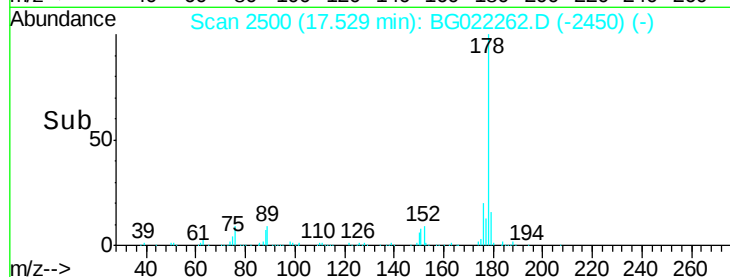
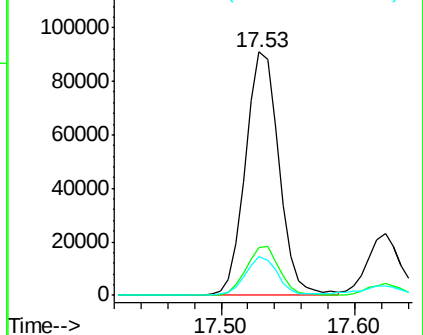
179 16.1 12.0 18.0



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



#71

Anthracene

Concen: 2.63 ng

RT: 17.62 min Scan# 2516

Delta R.T. -0.01 min

Lab File: BG022262.D

Acq: 9 Jun 2016 10:35

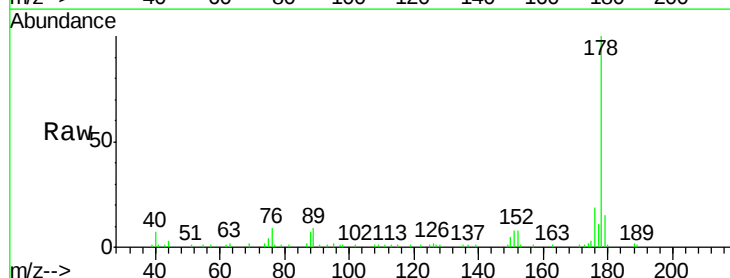
Tgt Ion:178 Resp: 35995

Ion Ratio Lower Upper

178 100

176 18.9 15.0 22.4

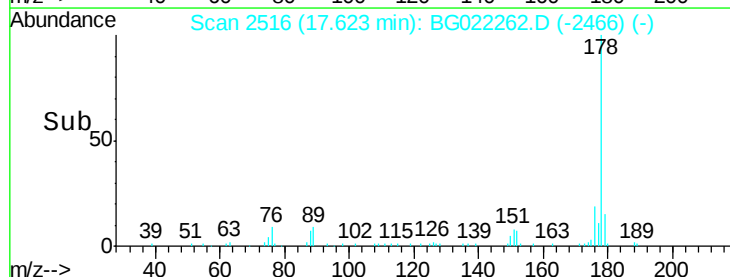
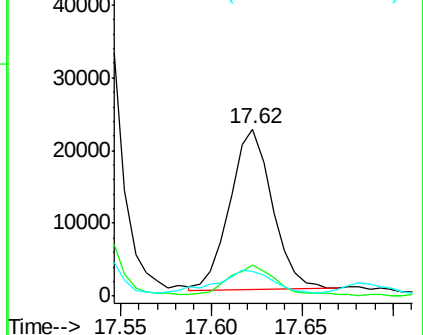
179 14.8 12.2 18.4

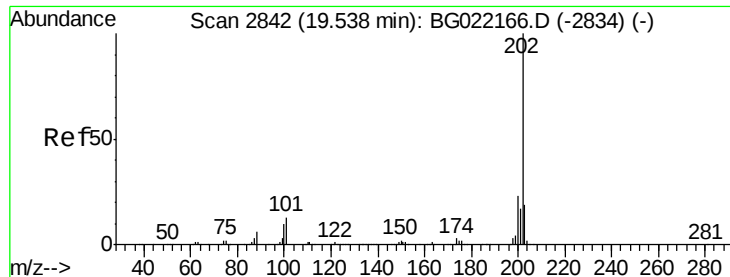


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#74

Fluoranthene

Concen: 15.09 ng

RT: 19.53 min Scan# 2841

Delta R.T. -0.01 min

Lab File: BG022262.D

Acq: 9 Jun 2016 10:35

Instrument :

BNA_G

ClientSampleId :

SS-43

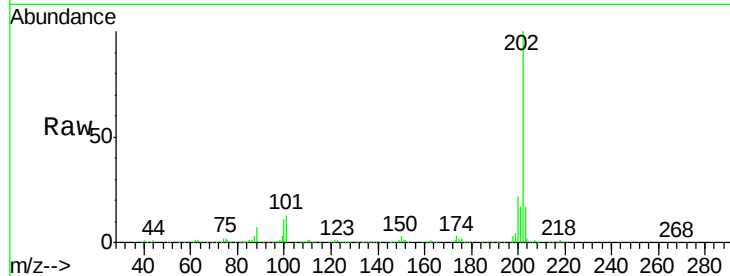
Tot Ion:202 Resp: 239319

Ion Ratio Lower Upper

202 100

101 13.3 0.0 31.0

203 17.5 0.0 37.9

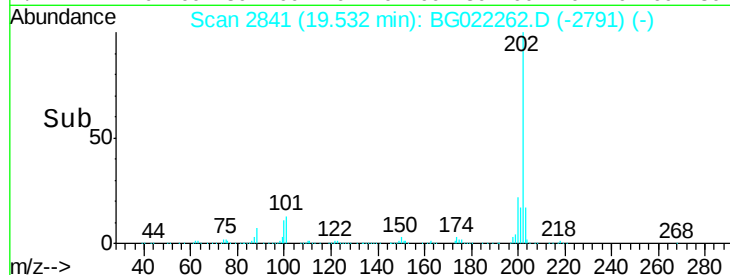


Abundance Ion 202.00 (201.70 to 202.70): E

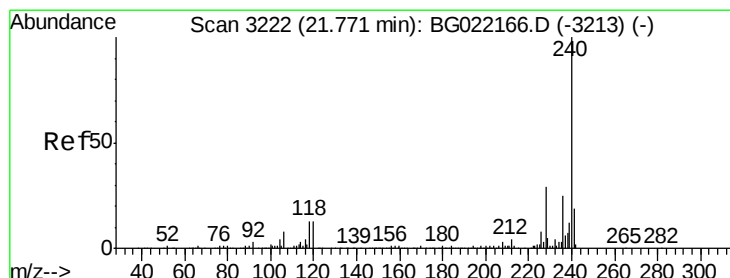
Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

19.53



Time-->



#75

Chrysene-d12

Concen: 20.00 ng

RT: 21.76 min Scan# 3221

Delta R.T. -0.01 min

Lab File: BG022262.D

Acq: 9 Jun 2016 10:35

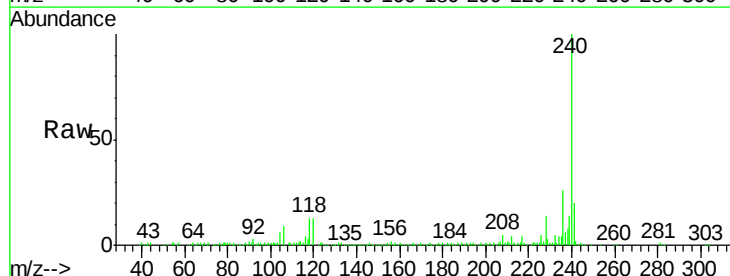
Tgt Ion:240 Resp: 216619

Ion Ratio Lower Upper

240 100

120 13.2 8.4 12.6#

236 26.4 19.6 29.4

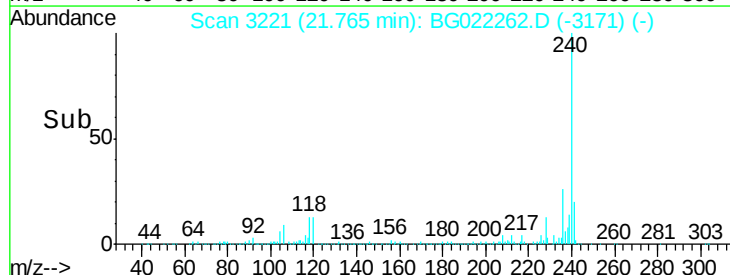


Abundance Ion 240.00 (239.70 to 240.70): E

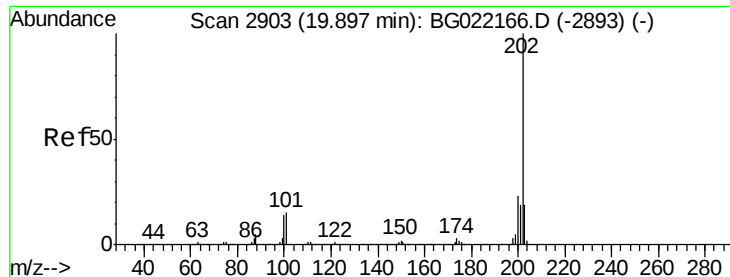
Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

21.76



Time-->



#77

Pvrene

Concen: 16.52 ng

RT: 19.90 min Scan# 2903

Delta R.T. -0.00 min

Lab File: BG022262.D

Acq: 9 Jun 2016 10:35

Instrument :

BNA_G

ClientSampleId :

SS-43

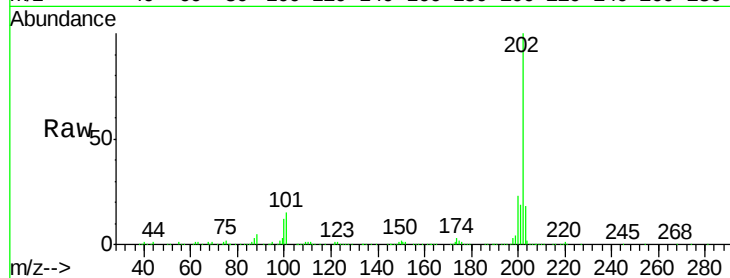
Tot Ion:202 Resp: 222464

Ion Ratio Lower Upper

202 100

200 23.1 18.2 27.2

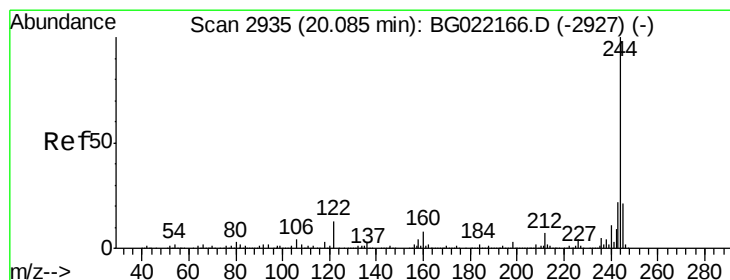
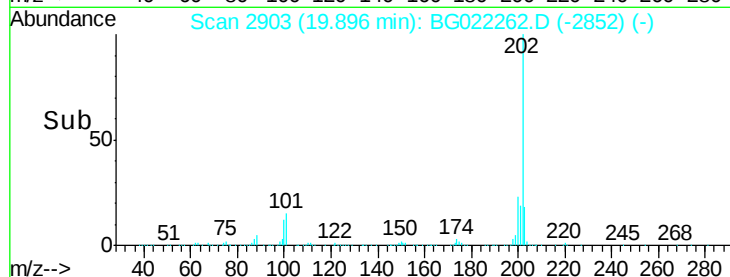
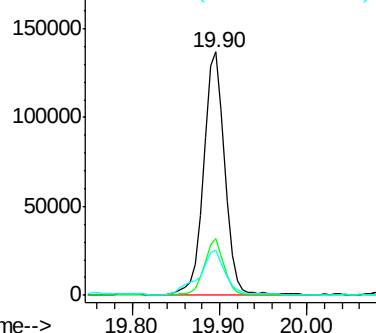
203 18.5 15.0 22.4



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: 39.99 ng

RT: 20.08 min Scan# 2934

Delta R.T. -0.01 min

Lab File: BG022262.D

Acq: 9 Jun 2016 10:35

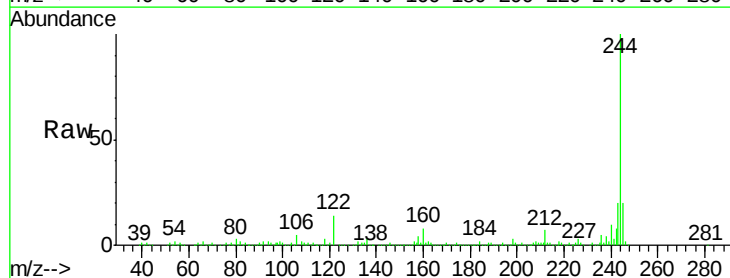
Tgt Ion:244 Resp: 364908

Ion Ratio Lower Upper

244 100

212 7.0 6.5 9.7

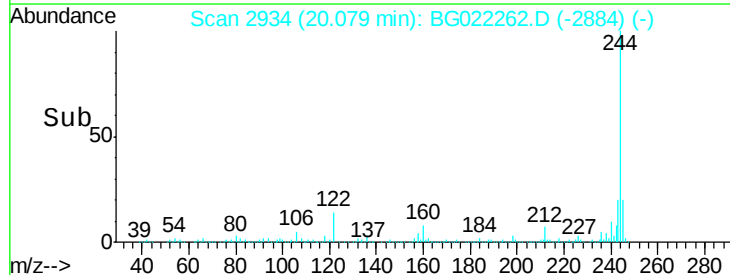
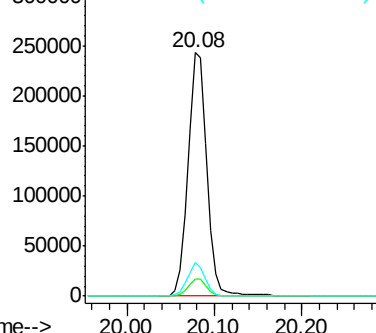
122 13.7 8.6 12.8#

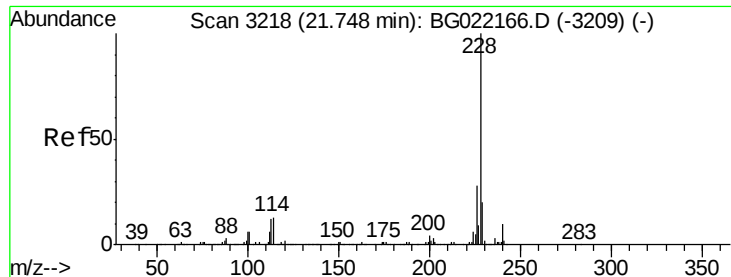


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#80

Benzo(a)anthracene

Concen: 9.24 ng

RT: 21.74 min Scan# 3217

Delta R.T. -0.01 min

Lab File: BG022262.D

Acq: 9 Jun 2016 10:35

Instrument :

BNA_G

ClientSampleId :

SS-43

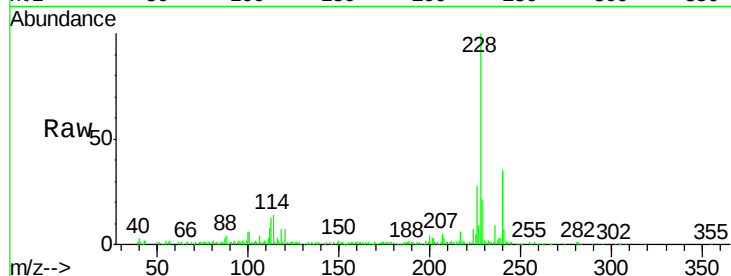
Tot Ion:228 Resp: 112207

Ion Ratio Lower Upper

228 100

226 28.3 22.6 34.0

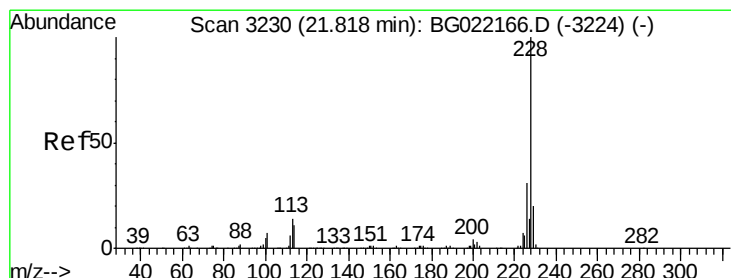
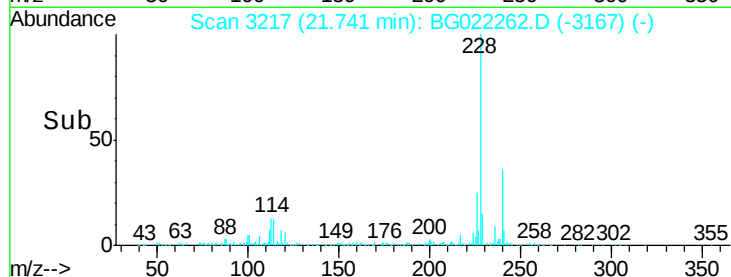
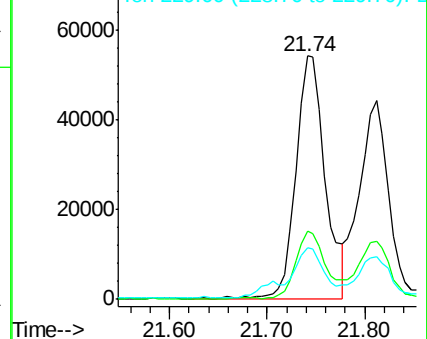
229 21.3 16.1 24.1



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: 7.62 ng

RT: 21.81 min Scan# 3229

Delta R.T. -0.01 min

Lab File: BG022262.D

Acq: 9 Jun 2016 10:35

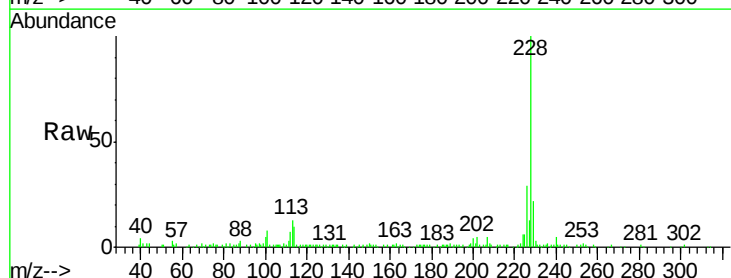
Tgt Ion:228 Resp: 90082

Ion Ratio Lower Upper

228 100

226 28.9 25.4 38.0

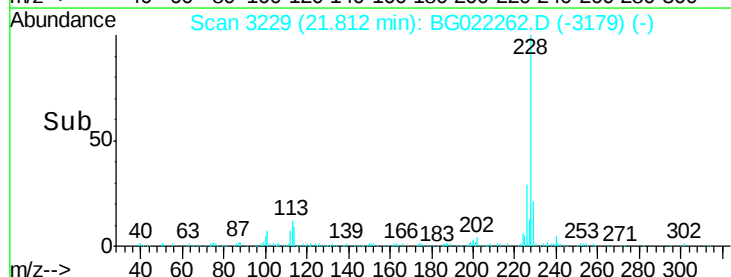
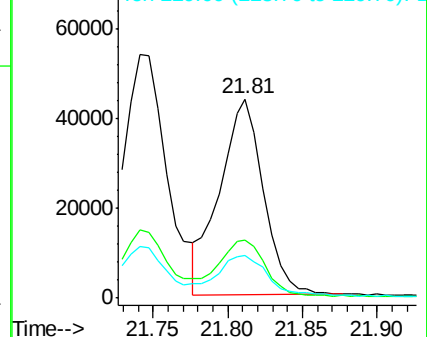
229 21.6 15.9 23.9

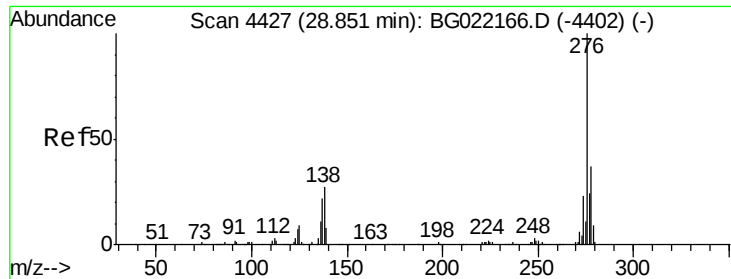


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

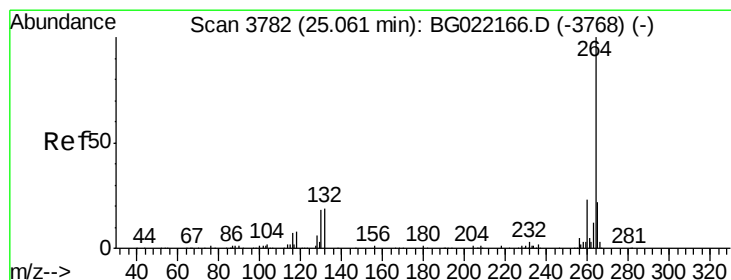
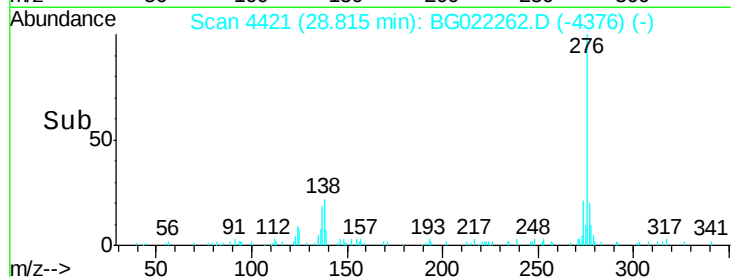
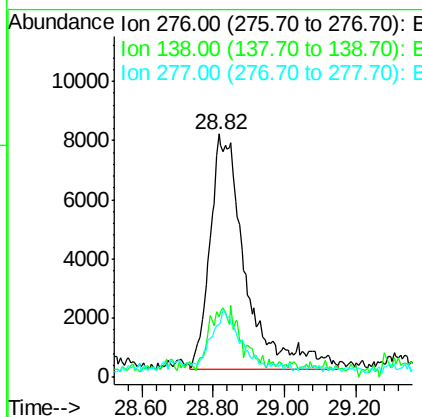
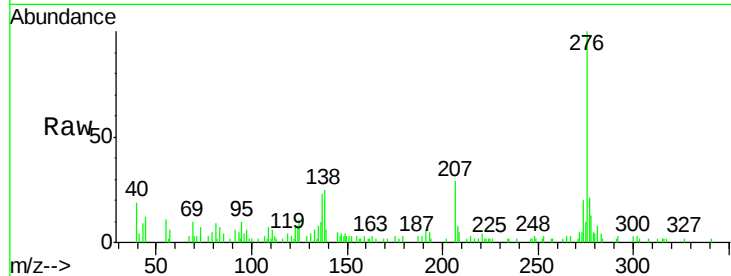




#85
Indeno(1,2,3-cd)pyrene
Concen: 4.14 ng/ml
RT: 28.82 min Scan# 4421
Delta R.T. -0.04 min
Lab File: BG022262.D
Acq: 9 Jun 2016 10:35

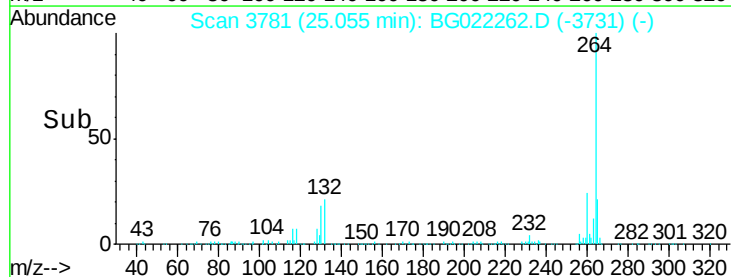
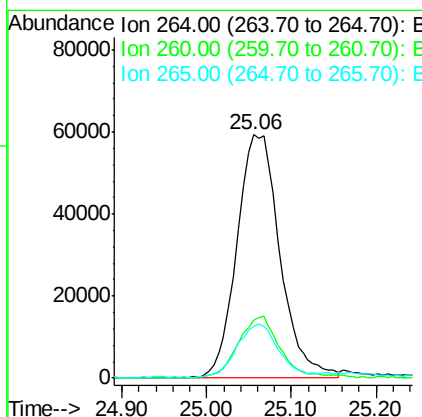
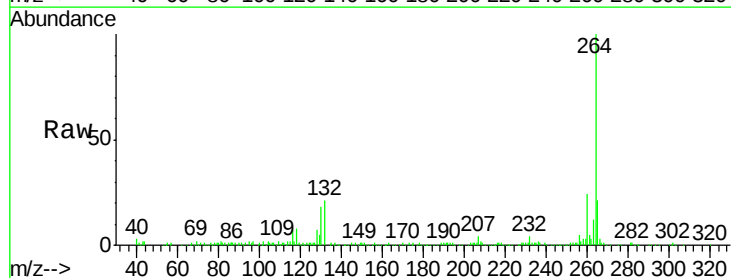
Instrument :
BNA_G
ClientSampled :
SS-43

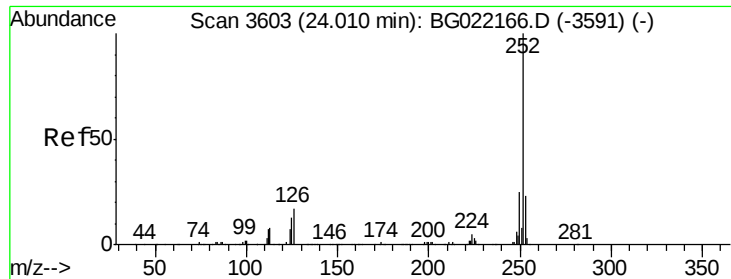
Tot Ion	Ratio	Lower	Upper
276	100		
138	14.3	14.0	21.0
277	16.1	20.6	30.8#



#86
Perylene-d12
Concen: 20.00 ng
RT: 25.06 min Scan# 3781
Delta R.T. -0.01 min
Lab File: BG022262.D
Acq: 9 Jun 2016 10:35

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.9	20.2	30.4
265	21.2	17.8	26.8

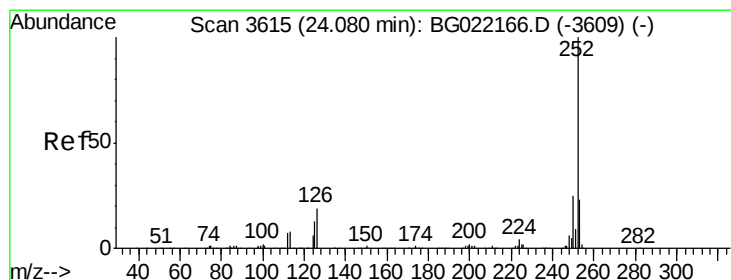
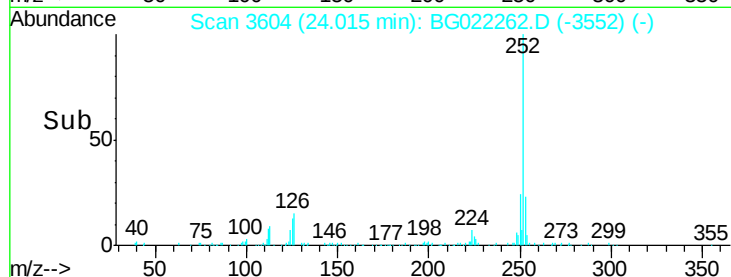
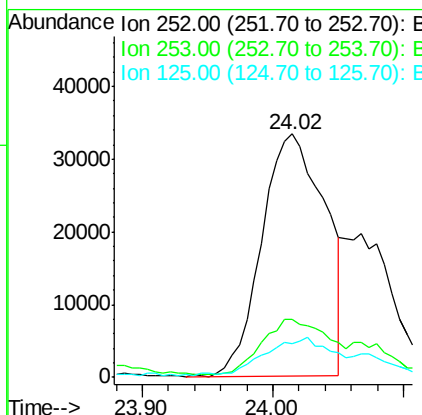
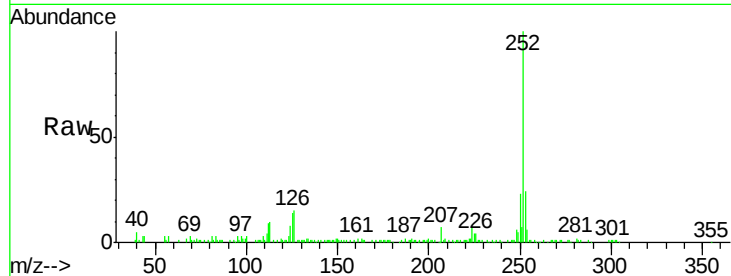




#87
Benzo(b)fluoranthene
Concen: 9.23 ng m
RT: 24.02 min Scan# 3604
Delta R.T. 0.01 min
Lab File: BG022262.D
Acq: 9 Jun 2016 10:35

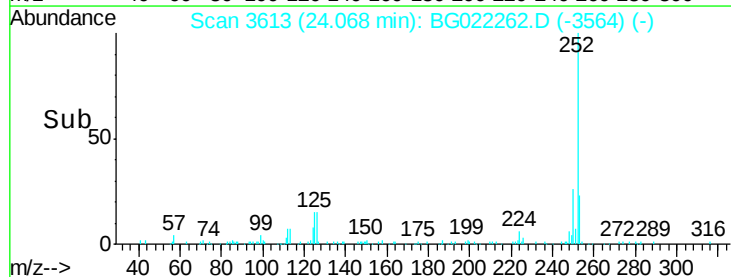
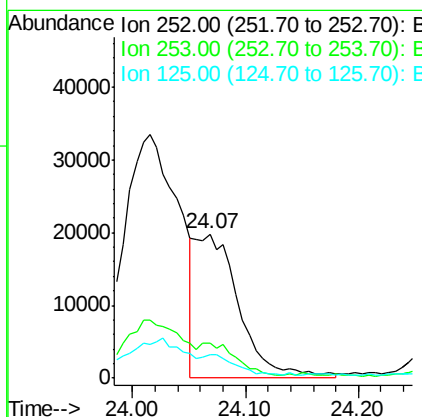
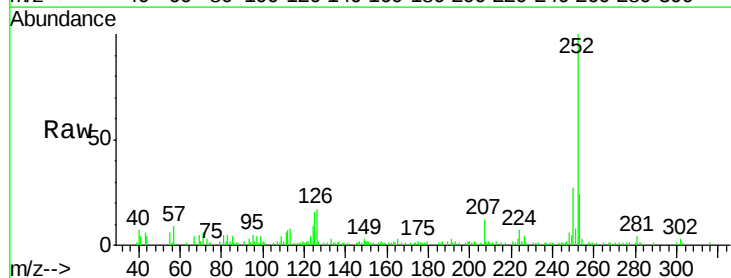
Instrument :
BNA_G
ClientSampleId :
SS-43

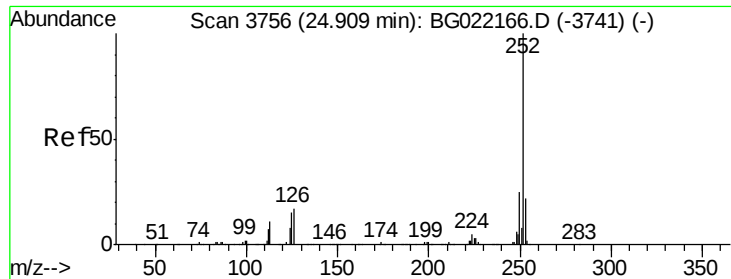
Tot Ion:252 Resp: 113298
Ion Ratio Lower Upper
252 100
253 24.1 17.5 26.3
125 14.0 8.6 13.0#



#88
Benzo(k)fluoranthene
Concen: 4.45 ng m
RT: 24.07 min Scan# 3613
Delta R.T. -0.01 min
Lab File: BG022262.D
Acq: 9 Jun 2016 10:35

Tgt Ion:252 Resp: 53769
Ion Ratio Lower Upper
252 100
253 24.0 17.8 26.8
125 16.0 8.3 12.5#





#89

Benzo(a)pyrene

Concen: 7.43 ng

RT: 24.90 min Scan# 3755

Delta R.T. -0.01 min

Lab File: BG022262.D

Acq: 9 Jun 2016 10:35

Instrument :

BNA_G

ClientSampled :

SS-43

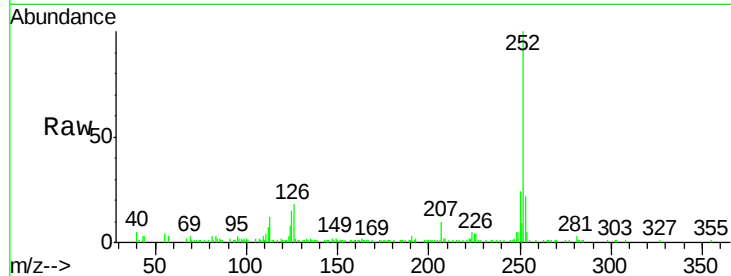
Tot Ion:252 Resp: 87240

Ion Ratio Lower Upper

252 100

253 21.6 17.1 25.7

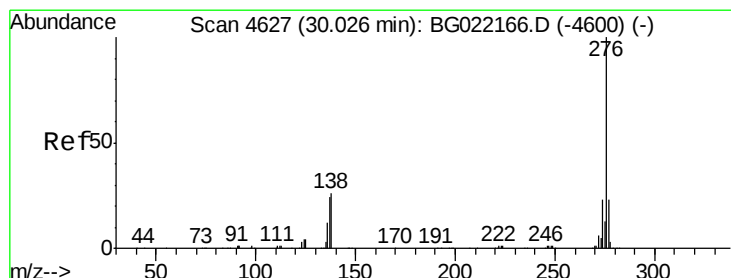
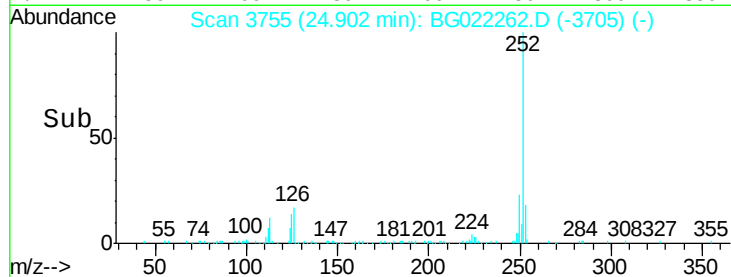
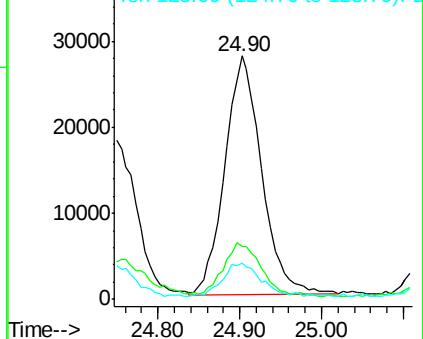
125 15.1 9.6 14.4#



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: 4.73 ng m

RT: 30.02 min Scan# 4626

Delta R.T. -0.01 min

Lab File: BG022262.D

Acq: 9 Jun 2016 10:35

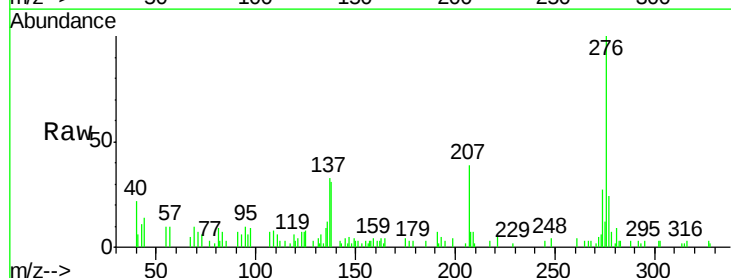
Tgt Ion:276 Resp: 54427

Ion Ratio Lower Upper

276 100

277 23.6 19.4 29.2

138 31.4 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

