

Data Path : Z:\HPCHEM1\BNA G\DATA\BG060916\
 Data File : BG022269.D
 Acq On : 9 Jun 2016 15:13
 Operator : UM/SJ
 Sample : H3402-16 2X
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SS-49

Quant Time: Jun 09 16:08:53 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

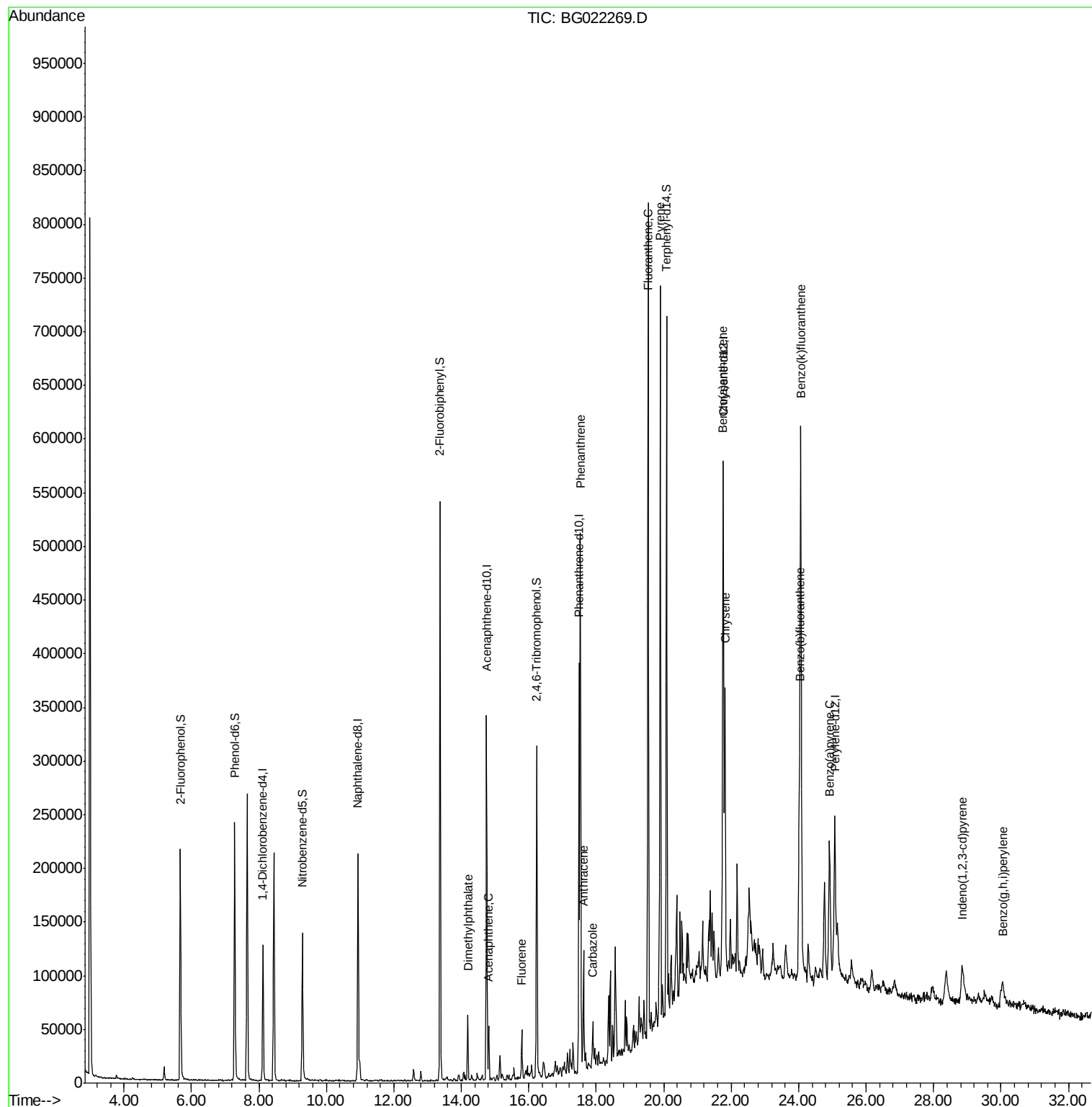
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.12	152	47927	20.00	ng	0.00
21) Naphthalene-d8	10.94	136	233973	20.00	ng	0.00
38) Acenaphthene-d10	14.75	164	128563	20.00	ng	0.00
63) Phenanthrene-d10	17.49	188	247591	20.00	ng	0.00
75) Chrysene-d12	21.77	240	203473	20.00	ng	0.00
86) Perylene-d12	25.08	264	194913	20.00	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.67	112	146012	58.90	ng	0.00
7) Phenol-d6	7.28	99	218330	56.02	ng	0.00
23) Nitrobenzene-d5	9.29	82	116893	34.83	ng	0.00
41) 2,4,6-Tribromophenol	16.24	330	67222	46.27	ng	0.00
44) 2-Fluorobiphenyl	13.37	172	321387	38.10	ng	0.00
78) Terphenyl-d14	20.08	244	311997	36.40	ng	0.00
Target Compounds						Qvalue
49) Dimethylphthalate	14.19	163	49886	4.68	ng	99
51) Acenaphthene	14.81	154	20943	2.69	ng	96
57) Fluorene	15.79	166	24101	2.30	ng	96
70) Phenanthrene	17.53	178	346609	25.77	ng	98
71) Anthracene	17.63	178	81340	6.10	ng	96
72) Carbazole	17.90	167	31539	2.50	ng	96
74) Fluoranthene	19.54	202	484774	31.36	ng	97
77) Pyrene	19.90	202	446971	35.34	ng	99
80) Benzo(a)anthracene	21.75	228	229975	20.16	ng	99
82) Chrysene	21.82	228	191393	17.24	ng	97
85) Indeno(1,2,3-cd)pyrene	28.86	276	83772m	6.73	ng	
87) Benzo(b)fluoranthene	24.03	252	234156m	20.60	ng	
88) Benzo(k)fluoranthene	24.07	252	100481m	8.98	ng	
89) Benzo(a)pyrene	24.91	252	160868	14.80	ng	# 93
91) Benzo(a,h,i)perylene	30.04	276	73507m	6.90	ng	

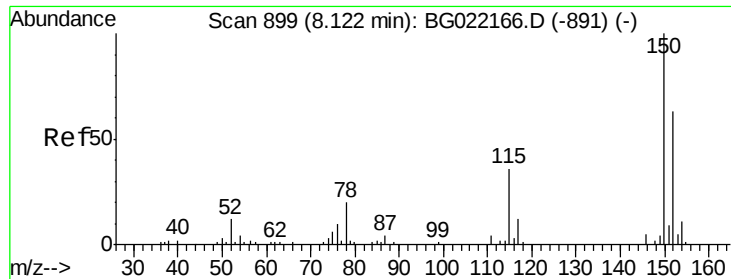
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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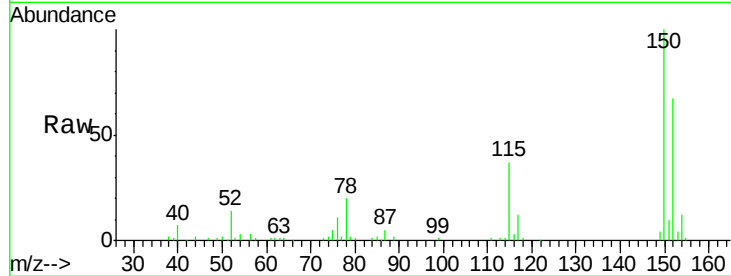


#1

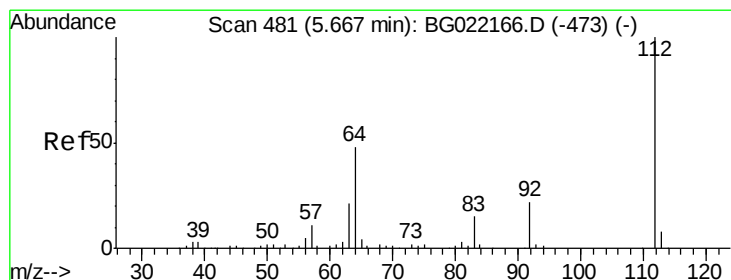
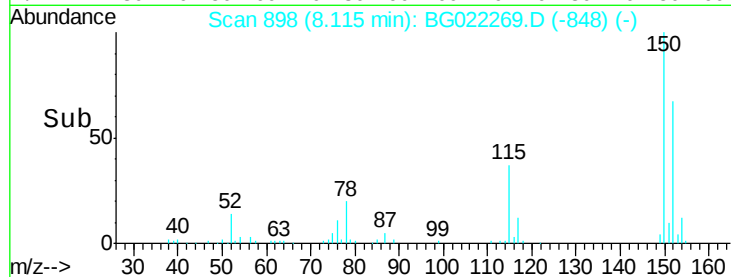
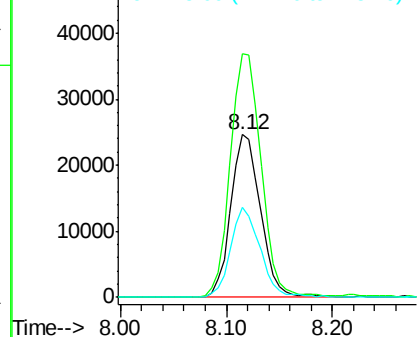
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 8.12 min Scan# 898
Delta R.T. -0.01 min
Lab File: BG022269.D
Acq: 9 Jun 2016 15:13

Instrument :
BNA_G
ClientSampled :
SS-49

Tot Ion:152 Resp: 47927
Ion Ratio Lower Upper
152 100
150 149.9 130.1 195.1
115 55.4 62.2 93.2#



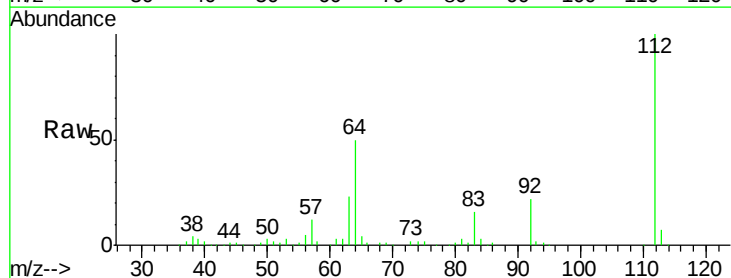
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



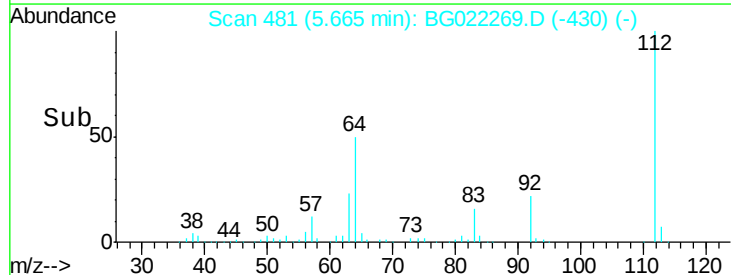
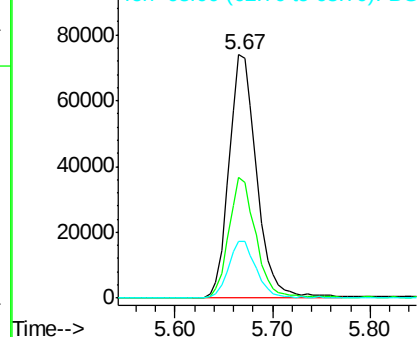
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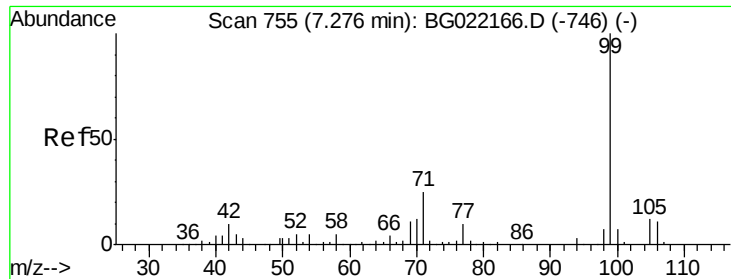
2-Fluorophenol
Concen: 58.90 ng
RT: 5.67 min Scan# 481
Delta R.T. -0.00 min
Lab File: BG022269.D
Acq: 9 Jun 2016 15:13

Tgt Ion:112 Resp: 146012
Ion Ratio Lower Upper
112 100
64 49.8 51.1 76.7#
63 23.2 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: 56.02 ng

RT: 7.28 min Scan# 756

Delta R.T. 0.00 min

Lab File: BG022269.D

Acq: 9 Jun 2016 15:13

Instrument :

BNA_G

ClientSampled :

SS-49

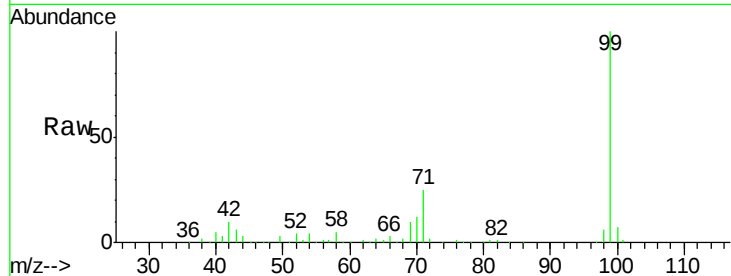
Tot Ion: 99 Resp: 218330

Ion Ratio Lower Upper

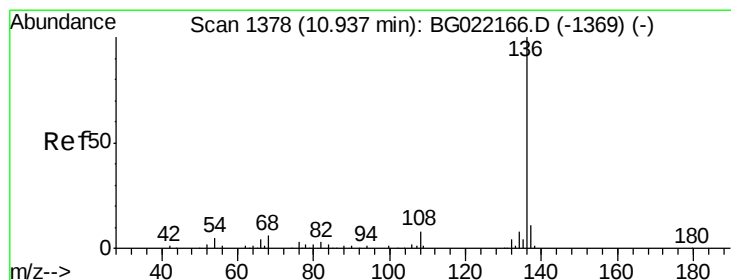
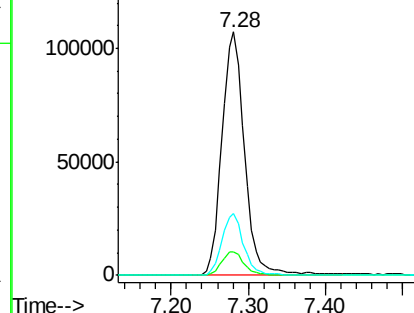
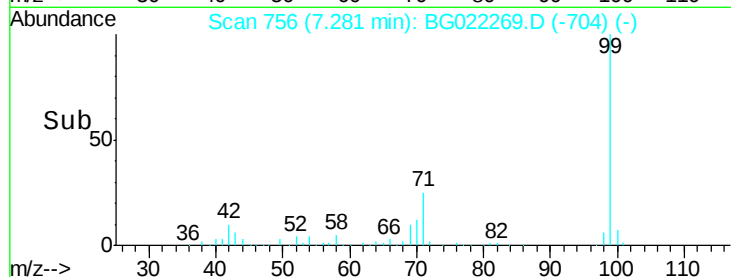
99 100

42 9.5 16.4 24.6#

71 25.2 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: BG022269.D

Acq: 9 Jun 2016 15:13

Tgt Ion: 136 Resp: 233973

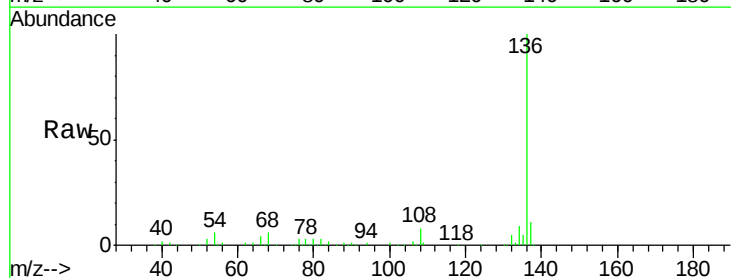
Ion Ratio Lower Upper

136 100

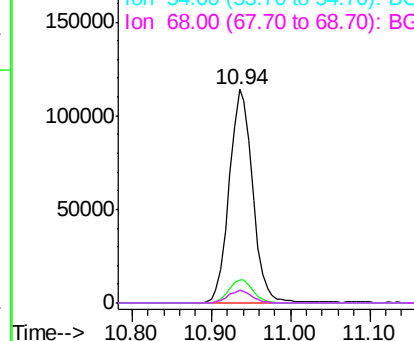
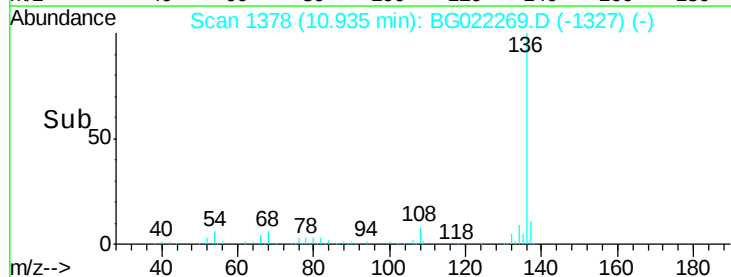
137 10.6 9.0 13.4

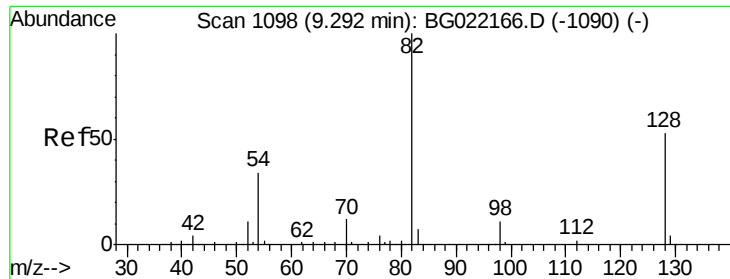
54 6.3 9.6 14.4#

68 5.8 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

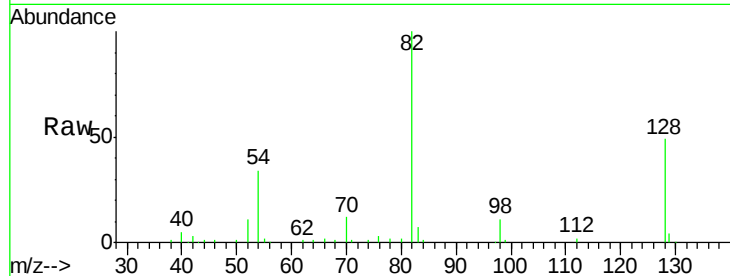




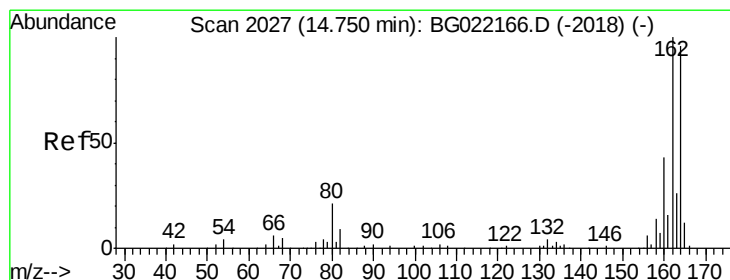
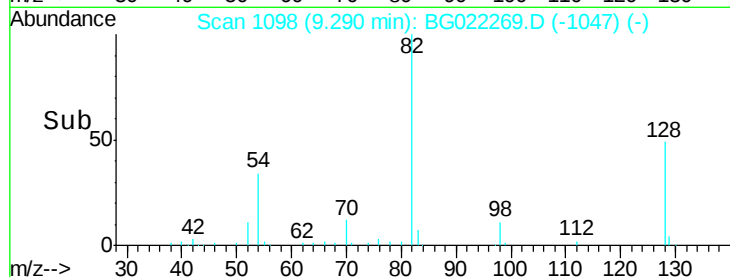
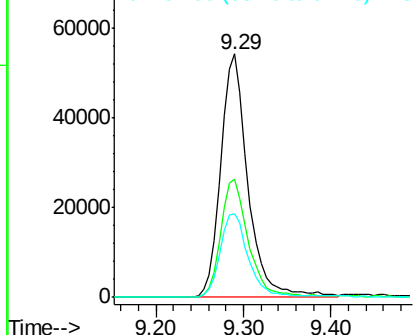
#23
Nitrobenzene-d5
Concen: 34.83 ng
RT: 9.29 min Scan# 1098
Delta R.T. -0.00 min
Lab File: BG022269.D
Acq: 9 Jun 2016 15:13

Instrument :
BNA_G
ClientSampleId :
SS-49

Tot Ion: 82 Resp: 116893
Ion Ratio Lower Upper
82 100
128 48.7 33.4 50.0
54 34.2 46.1 69.1#

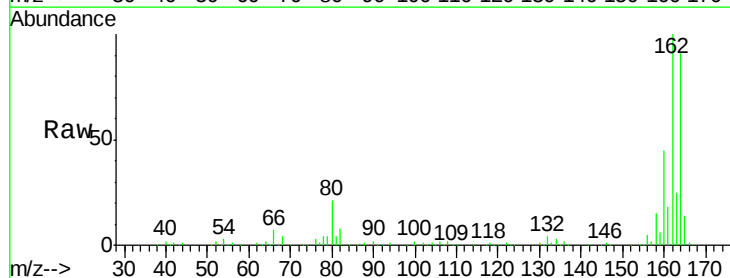


Abundance Ion 82.00 (81.70 to 82.70): BGC
Ion 128.00 (127.70 to 128.70): BGC
Ion 54.00 (53.70 to 54.70): BGC

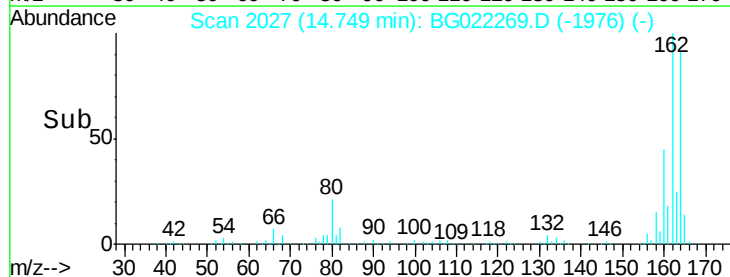
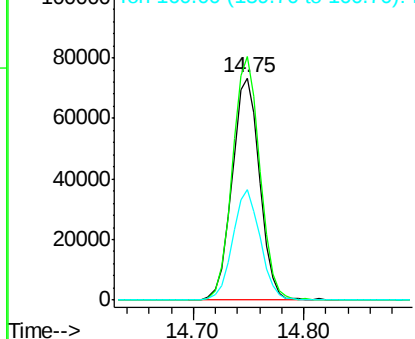


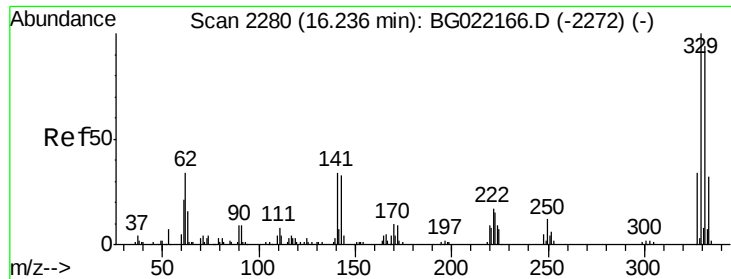
#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 14.75 min Scan# 2027
Delta R.T. -0.00 min
Lab File: BG022269.D
Acq: 9 Jun 2016 15:13

Tgt Ion:164 Resp: 128563
Ion Ratio Lower Upper
164 100
162 109.5 78.0 117.0
160 49.6 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

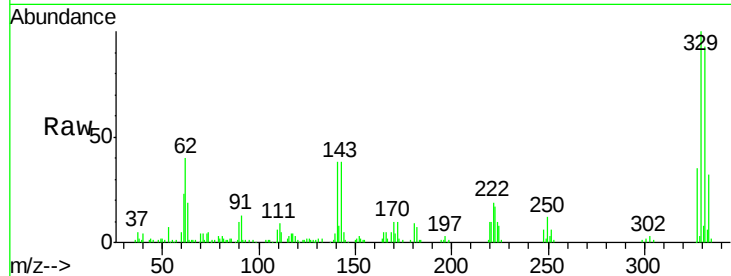




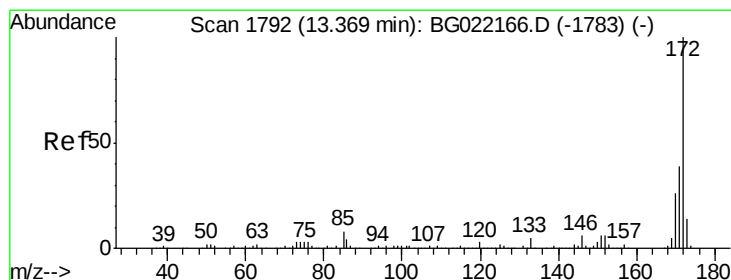
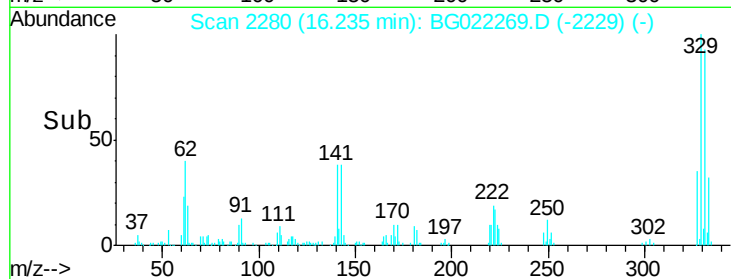
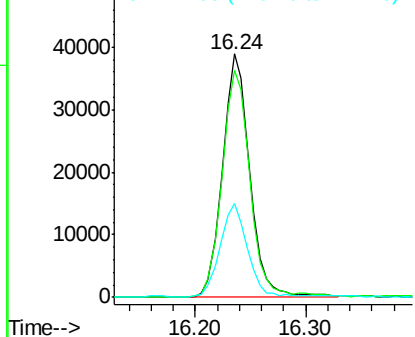
#41
 2,4,6-Tribromophenol
 Concen: 46.27 ng
 RT: 16.24 min Scan# 2280
 Delta R.T. -0.00 min
 Lab File: BG022269.D
 Acq: 9 Jun 2016 15:13

Instrument :
 BNA_G
 ClientSampled :
 SS-49

Tot Ion:330 Resp: 67222
 Ion Ratio Lower Upper
 330 100
 332 96.1 78.0 117.0
 141 38.7 33.8 50.8

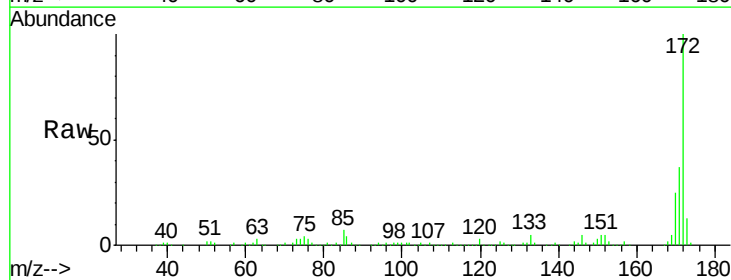


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

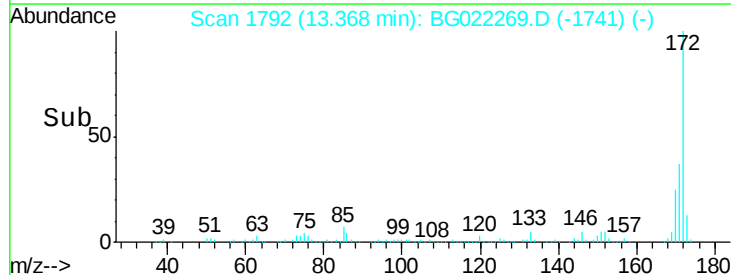
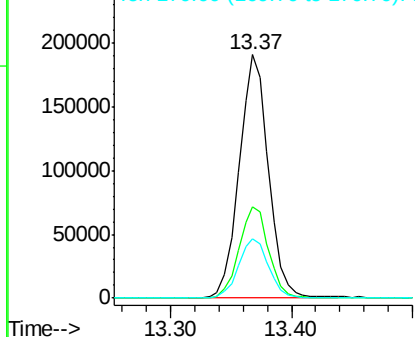


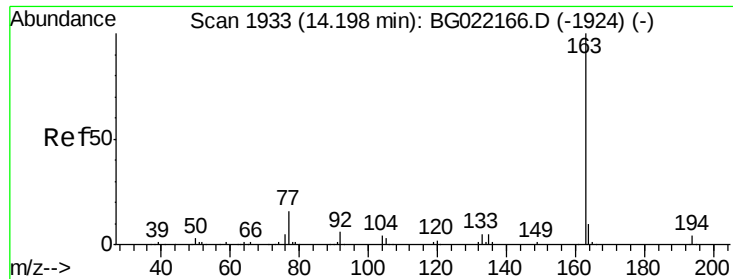
#44
 2-Fluorobiphenyl
 Concen: 38.10 ng
 RT: 13.37 min Scan# 1792
 Delta R.T. -0.00 min
 Lab File: BG022269.D
 Acq: 9 Jun 2016 15:13

Tgt Ion:172 Resp: 321387
 Ion Ratio Lower Upper
 172 100
 171 37.4 27.8 41.6
 170 24.6 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: 4.68 ng

RT: 14.19 min Scan# 1932

Delta R.T. -0.01 min

Lab File: BG022269.D

Acq: 9 Jun 2016 15:13

Instrument :

BNA_G

ClientSampleId :

SS-49

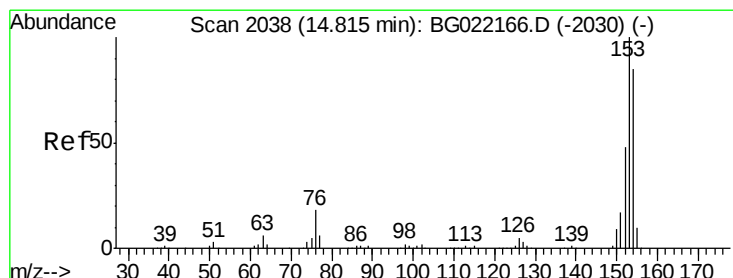
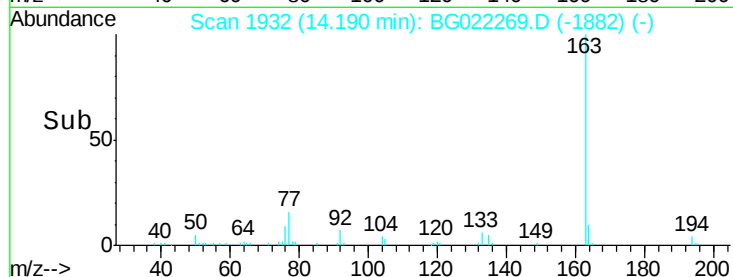
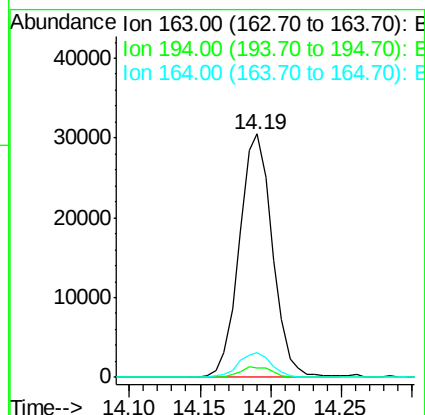
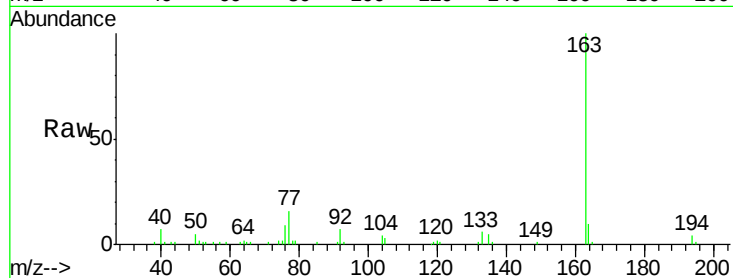
Tot Ion:163 Resp: 49886

Ion Ratio Lower Upper

163 100

194 4.1 3.0 4.6

164 9.9 8.1 12.1



#51

Acenaphthene

Concen: 2.69 ng

RT: 14.81 min Scan# 2038

Delta R.T. -0.00 min

Lab File: BG022269.D

Acq: 9 Jun 2016 15:13

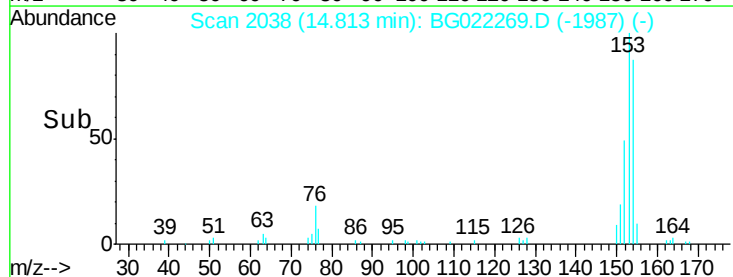
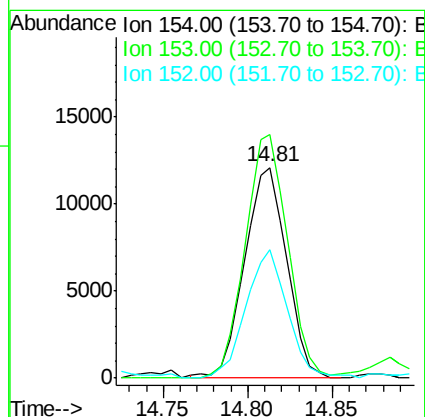
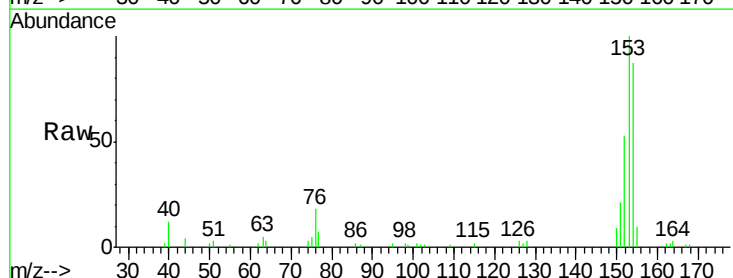
Tgt Ion:154 Resp: 20943

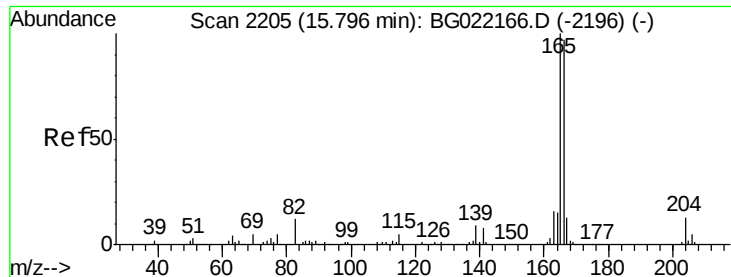
Ion Ratio Lower Upper

154 100

153 115.4 91.9 137.9

152 60.7 42.0 63.0

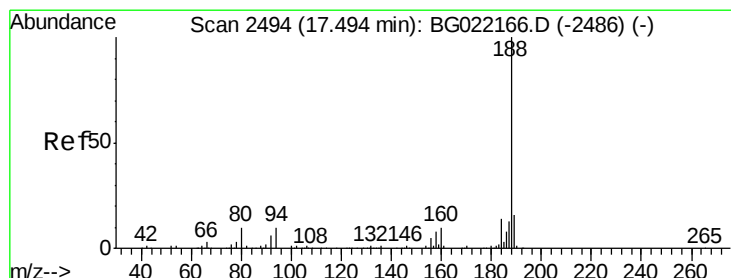
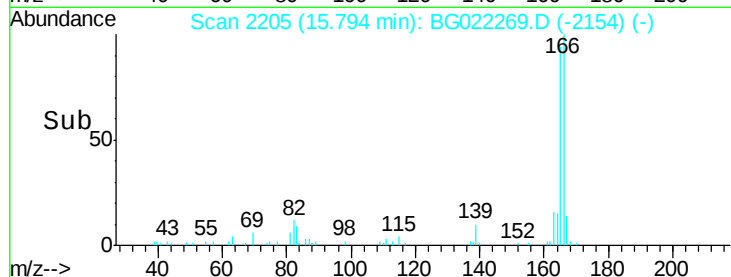
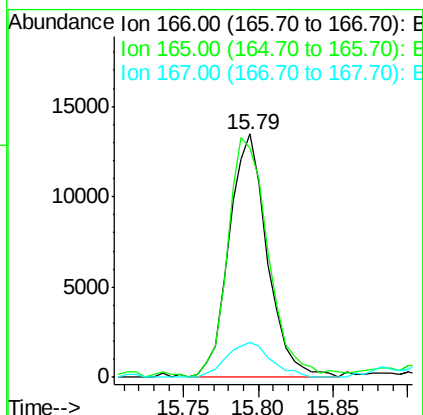
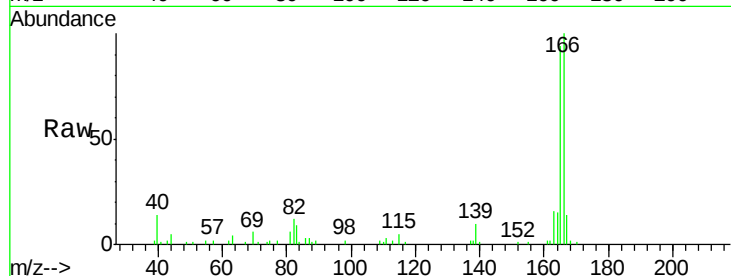




#57
Fluorene
 Concen: 2.30 ng
 RT: 15.79 min Scan# 2205
 Delta R.T. -0.00 min
 Lab File: BG022269.D
 Acq: 9 Jun 2016 15:13

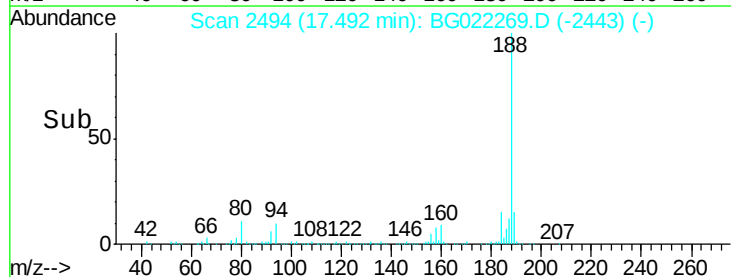
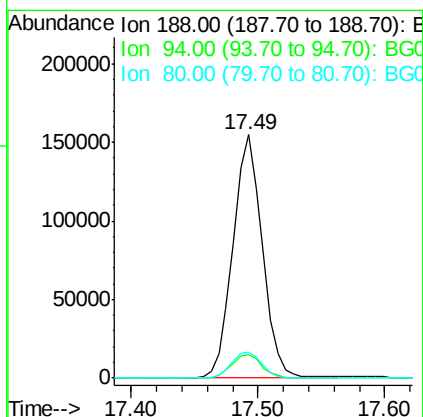
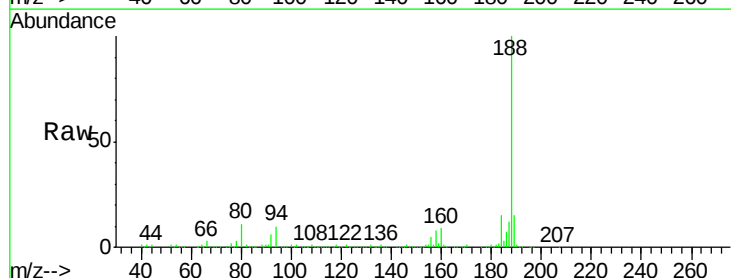
Instrument :
 BNA_G
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 SS-49

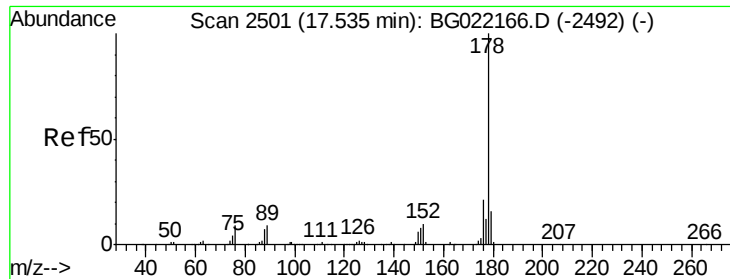
Tot Ion:166 Resp: 24101
 Ion Ratio Lower Upper
 166 100
 165 94.1 79.0 118.4
 167 14.3 10.7 16.1



#63
Phenanthrene-d10
 Concen: 20.00 ng
 RT: 17.49 min Scan# 2494
 Delta R.T. -0.00 min
 Lab File: BG022269.D
 Acq: 9 Jun 2016 15:13

Tgt Ion:188 Resp: 247591
 Ion Ratio Lower Upper
 188 100
 94 9.9 7.5 11.3
 80 10.7 8.6 13.0





#70

Phenanthrene

Concen: 25.77 ng

RT: 17.53 min Scan# 2501

Delta R.T. -0.00 min

Lab File: BG022269.D

Acq: 9 Jun 2016 15:13

Instrument :

BNA_G

ClientSampleId :

SS-49

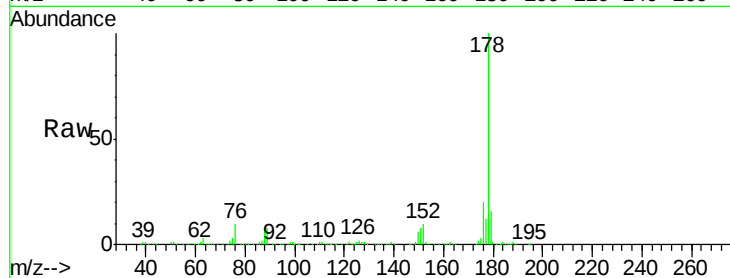
Tot Ion:178 Resp: 346609

Ion Ratio Lower Upper

178 100

176 19.7 16.2 24.4

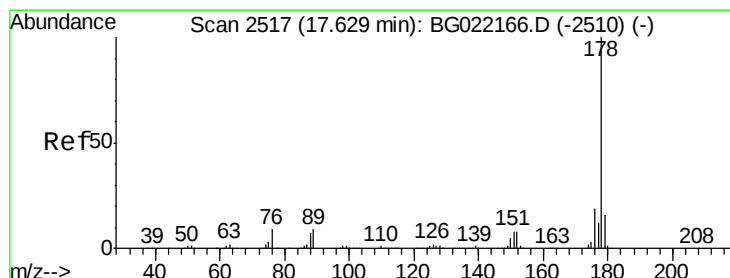
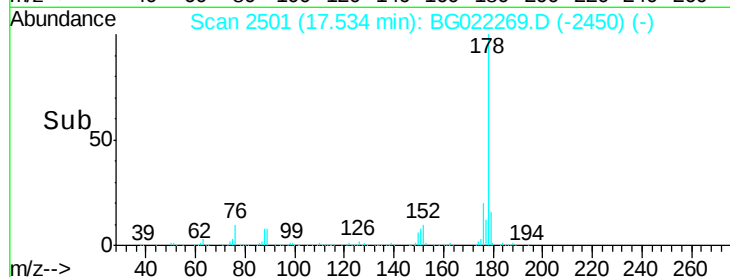
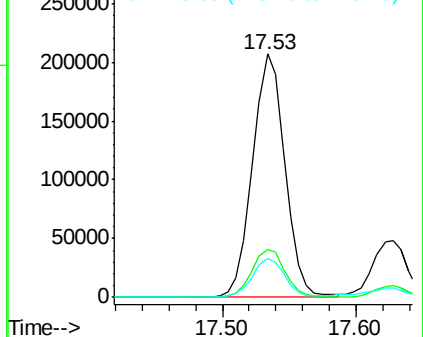
179 16.1 12.0 18.0



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: 6.10 ng

RT: 17.63 min Scan# 2517

Delta R.T. -0.00 min

Lab File: BG022269.D

Acq: 9 Jun 2016 15:13

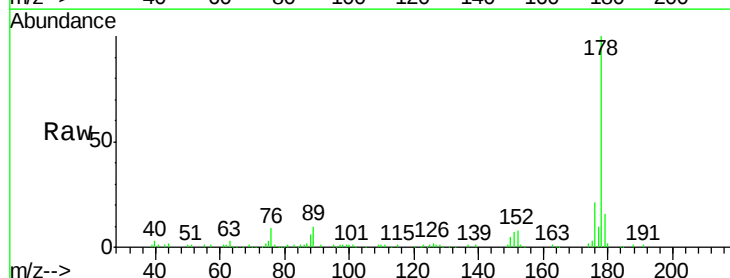
Tgt Ion:178 Resp: 81340

Ion Ratio Lower Upper

178 100

176 21.1 15.0 22.4

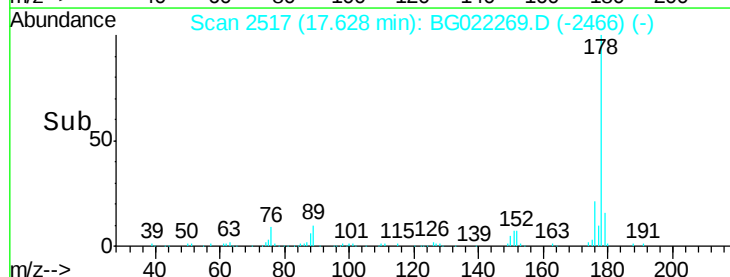
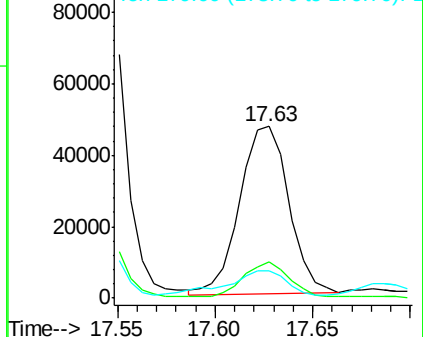
179 16.3 12.2 18.4

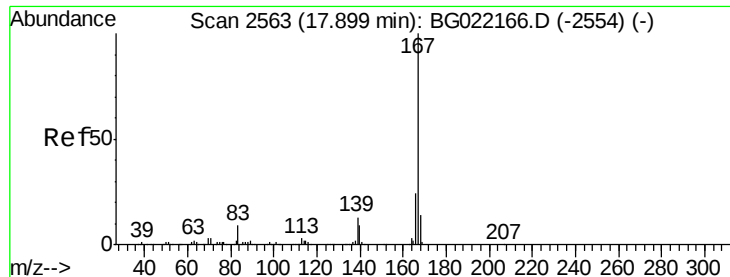


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#72

Carbazole

Concen: 2.50 ng

RT: 17.90 min Scan# 2563

Delta R.T. -0.00 min

Lab File: BG022269.D

Acq: 9 Jun 2016 15:13

Instrument :

BNA_G

ClientSampleId :

SS-49

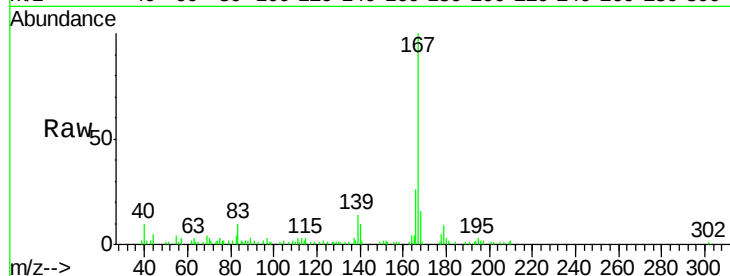
Tot Ion:167 Resp: 31539

Ion Ratio Lower Upper

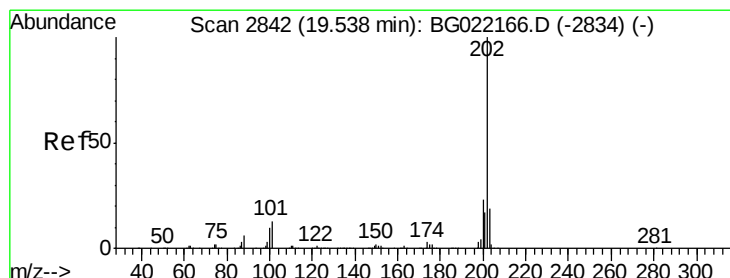
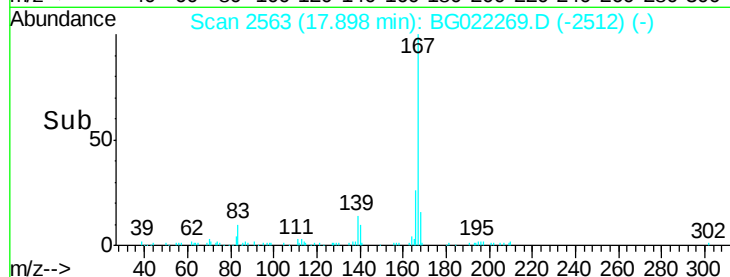
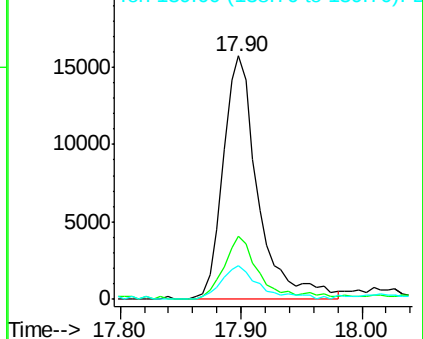
167 100

166 25.9 18.6 27.8

139 14.0 10.6 15.8



Abundance Ion 167.00 (166.70 to 167.70): E
Ion 166.00 (165.70 to 166.70): E
Ion 139.00 (138.70 to 139.70): E



#74

Fluoranthene

Concen: 31.36 ng

RT: 19.54 min Scan# 2842

Delta R.T. -0.00 min

Lab File: BG022269.D

Acq: 9 Jun 2016 15:13

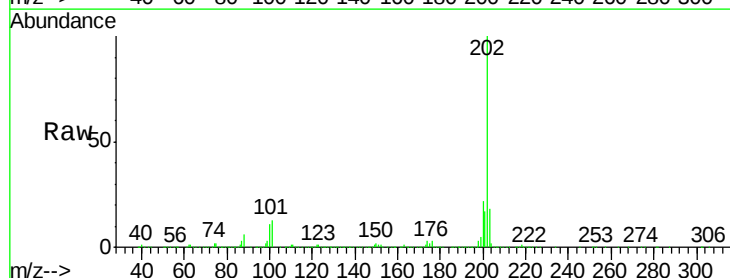
Tgt Ion:202 Resp: 484774

Ion Ratio Lower Upper

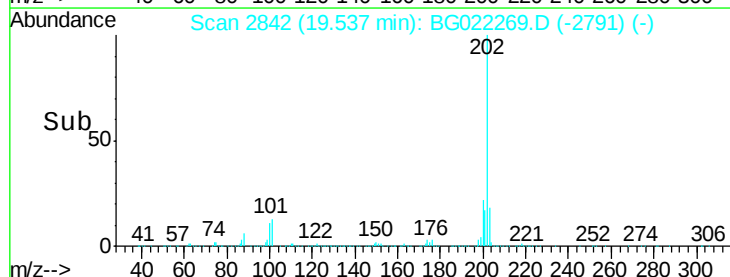
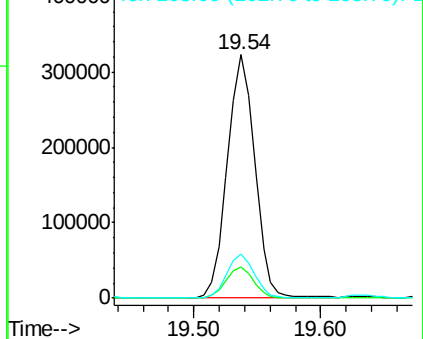
202 100

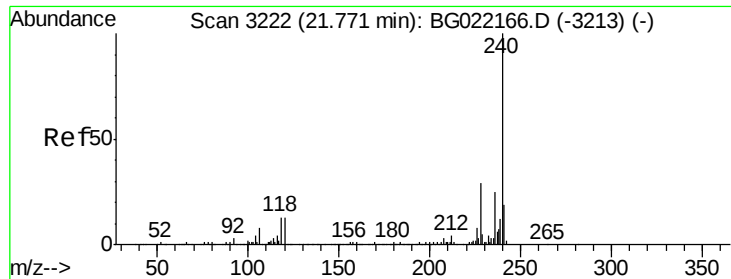
101 13.0 0.0 31.0

203 18.3 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: 21.77 min Scan# 3222

Delta R.T. -0.00 min

Lab File: BG022269.D

Acq: 9 Jun 2016 15:13

Instrument :

BNA_G

ClientSampleId :

SS-49

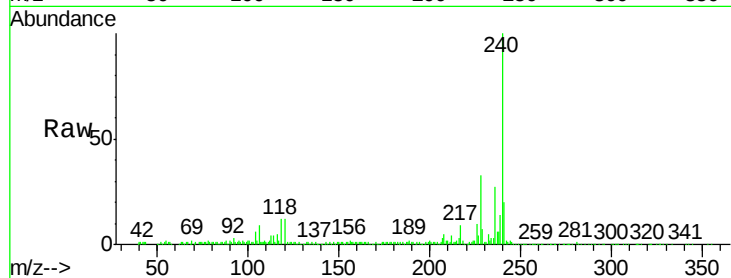
Tot Ion:240 Resp: 203473

Ion Ratio Lower Upper

240 100

120 12.4 8.4 12.6

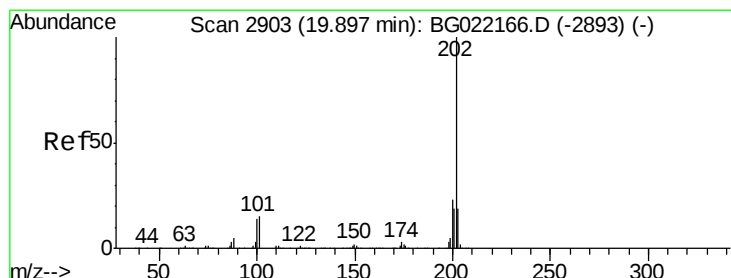
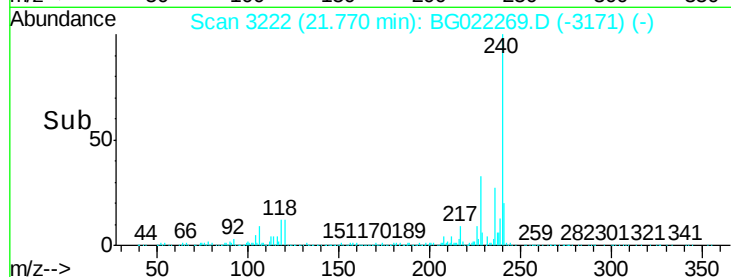
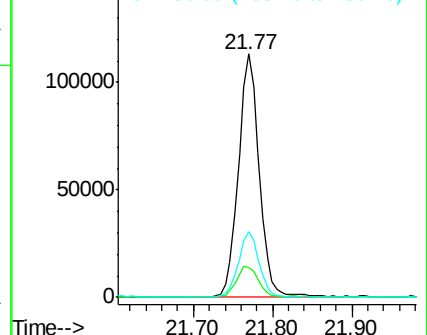
236 26.9 19.6 29.4



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



#77

Pyrene

Concen: 35.34 ng

RT: 19.90 min Scan# 2904

Delta R.T. 0.00 min

Lab File: BG022269.D

Acq: 9 Jun 2016 15:13

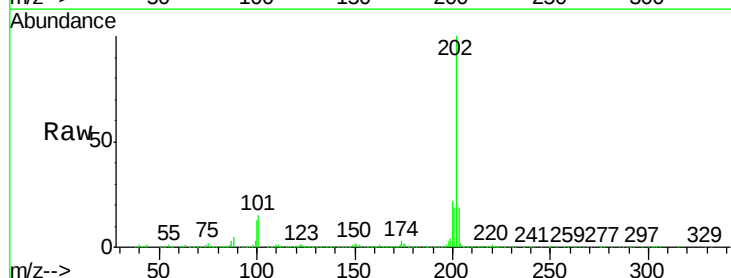
Tgt Ion:202 Resp: 446971

Ion Ratio Lower Upper

202 100

200 22.3 18.2 27.2

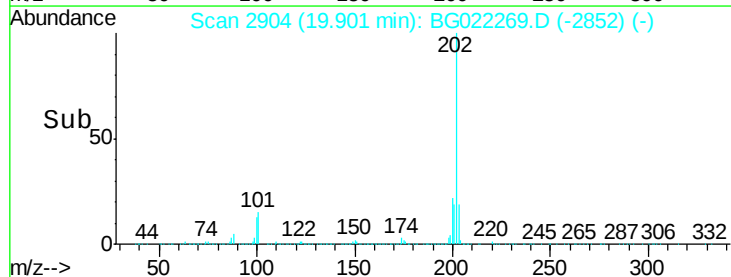
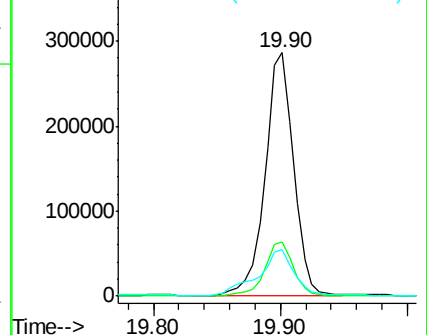
203 19.2 15.0 22.4

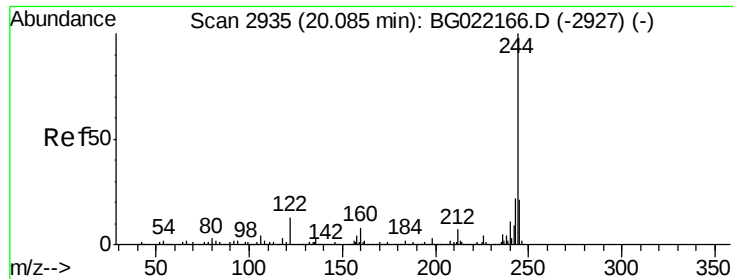


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

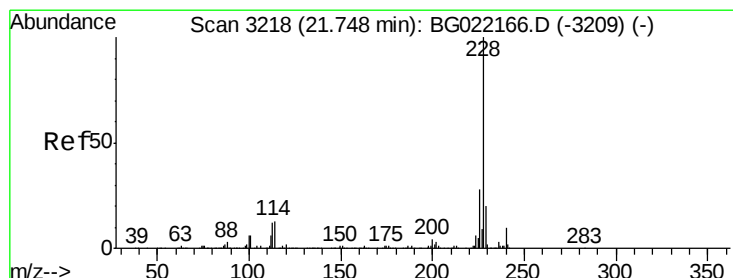
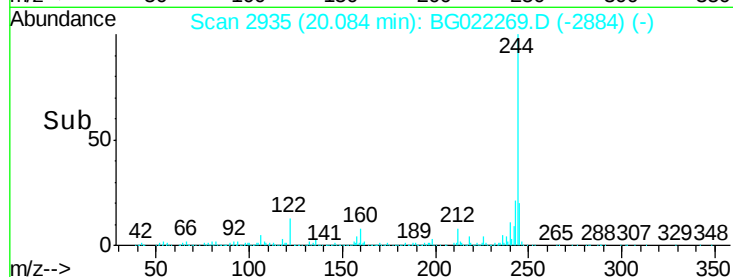
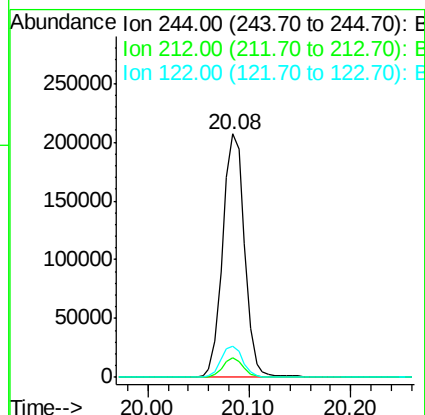
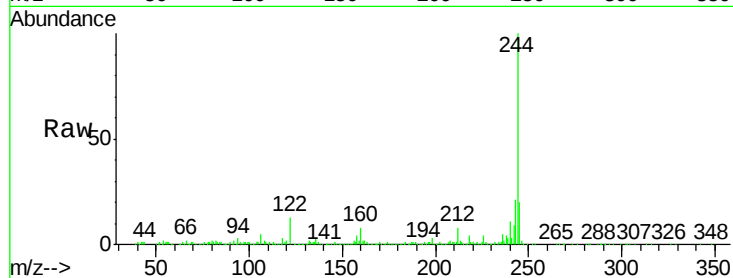




#78
 Terphenyl-d14
 Concen: 36.40 ng
 RT: 20.08 min Scan# 2935
 Delta R.T. -0.00 min
 Lab File: BG022269.D
 Acq: 9 Jun 2016 15:13

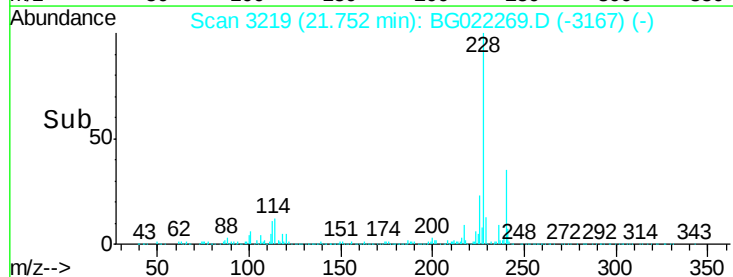
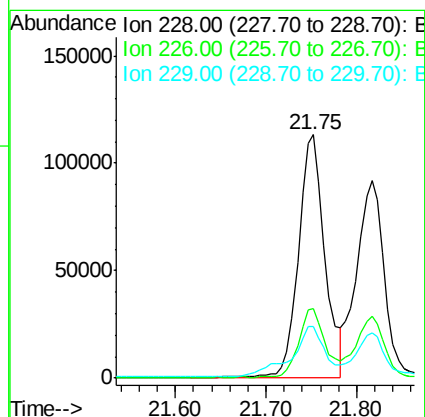
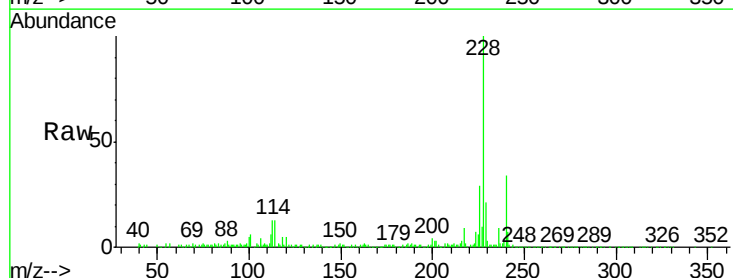
Instrument :
 BNA_G
 ClientSampled :
 SS-49

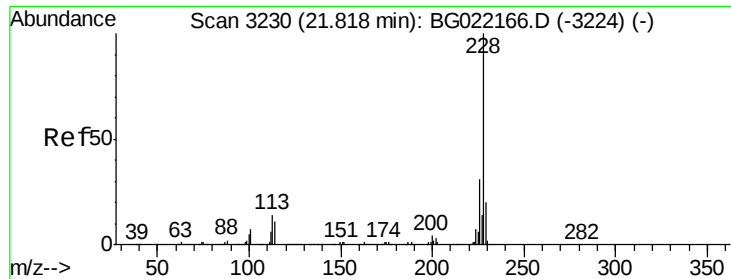
Tot Ion:244 Resp: 311997
 Ion Ratio Lower Upper
 244 100
 212 8.1 6.5 9.7
 122 12.8 8.6 12.8



#80
 Benzo(a)anthracene
 Concen: 20.16 ng
 RT: 21.75 min Scan# 3219
 Delta R.T. 0.00 min
 Lab File: BG022269.D
 Acq: 9 Jun 2016 15:13

Tgt Ion:228 Resp: 229975
 Ion Ratio Lower Upper
 228 100
 226 28.6 22.6 34.0
 229 21.3 16.1 24.1





#82

Chrysene

Concen: 17.24 ng

RT: 21.82 min Scan# 3230

Delta R.T. -0.00 min

Lab File: BG022269.D

Acq: 9 Jun 2016 15:13

Instrument :

BNA_G

ClientSampleId :

SS-49

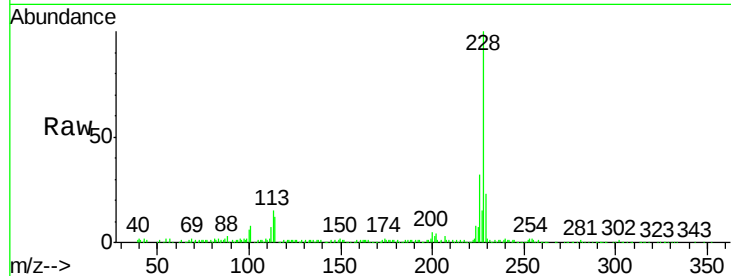
Tot Ion:228 Resp: 191393

Ion Ratio Lower Upper

228 100

226 31.6 25.4 38.0

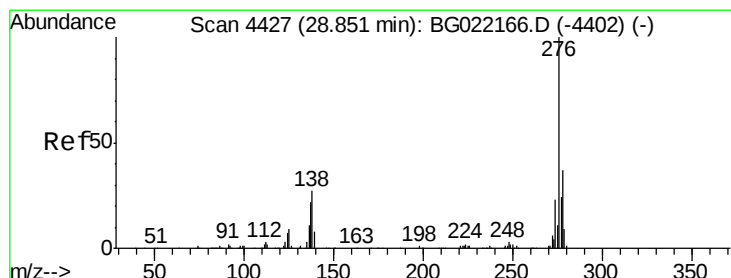
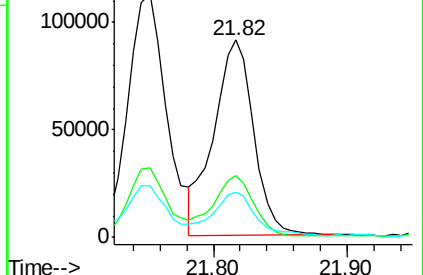
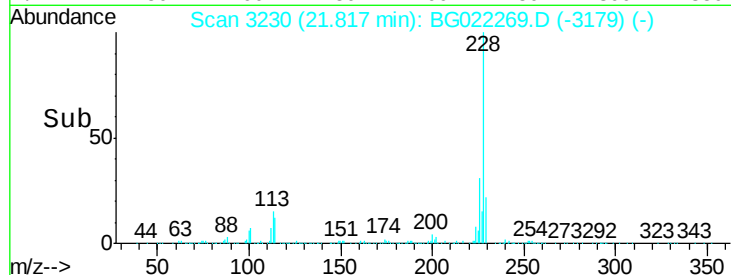
229 22.8 15.9 23.9



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: 6.73 ng m

RT: 28.86 min Scan# 4428

Delta R.T. 0.00 min

Lab File: BG022269.D

Acq: 9 Jun 2016 15:13

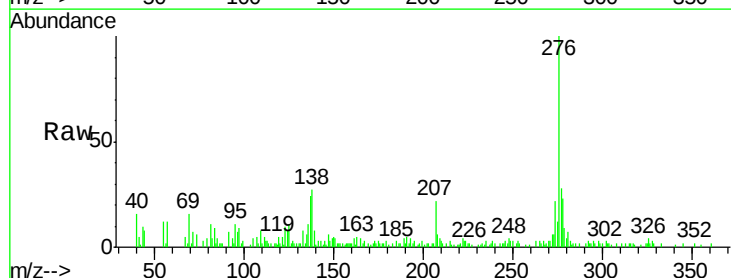
Tgt Ion:276 Resp: 83772

Ion Ratio Lower Upper

276 100

138 6.8 14.0 21.0#

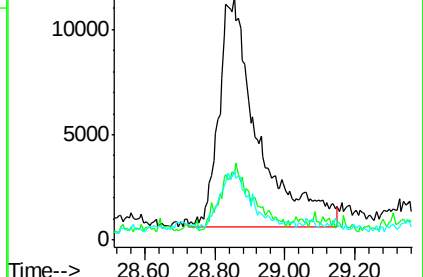
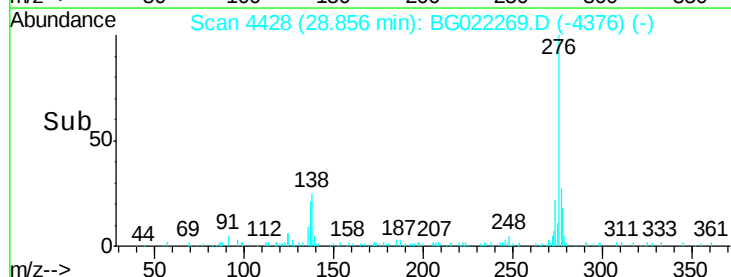
277 0.0 20.6 30.8#

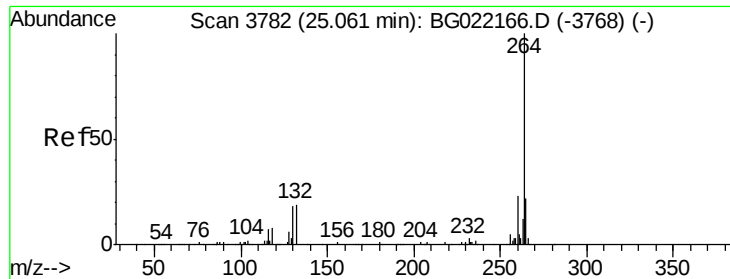


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

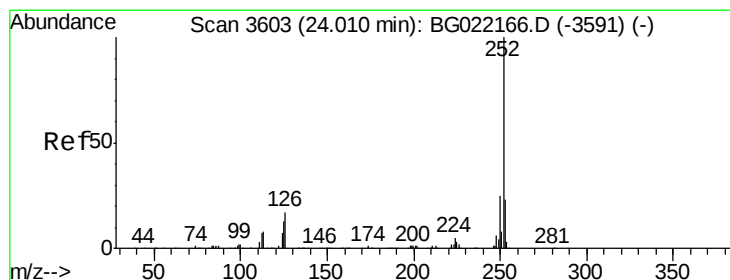
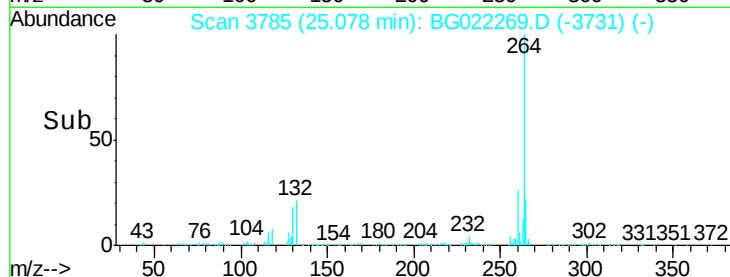
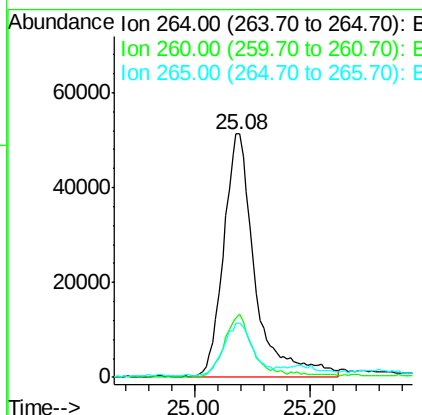
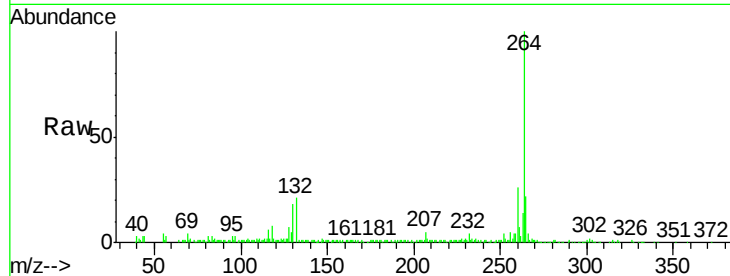




#86
Pervlene-d12
Concen: 20.00 ng
RT: 25.08 min Scan# 3785
Delta R.T. 0.02 min
Lab File: BG022269.D
Acq: 9 Jun 2016 15:13

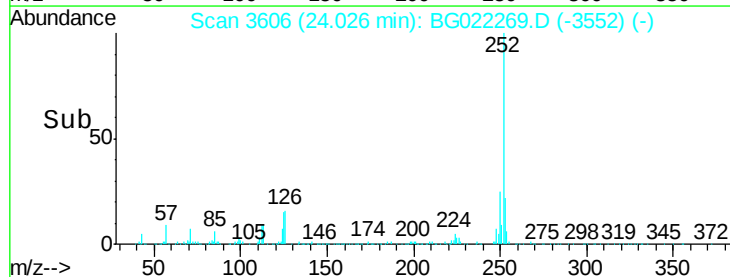
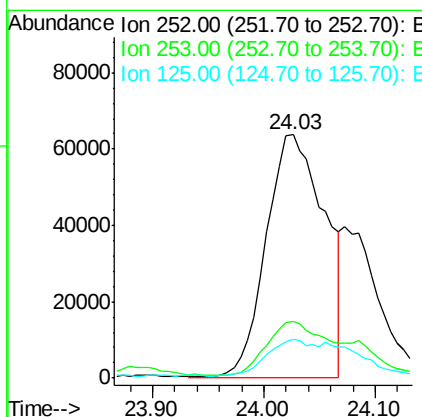
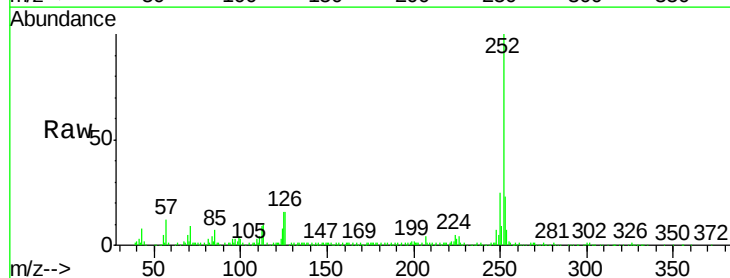
Instrument :
BNA_G
ClientSampleId :
SS-49

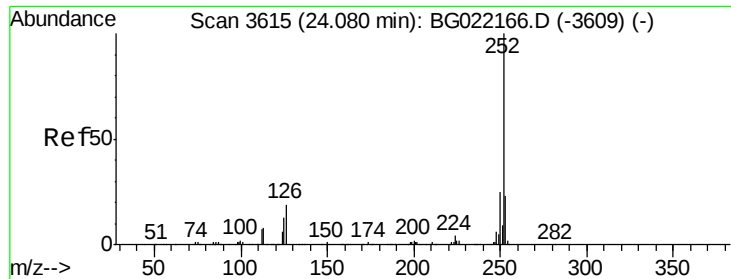
Tot Ion:264 Resp: 194913
Ion Ratio Lower Upper
264 100
260 25.9 20.2 30.4
265 22.4 17.8 26.8



#87
Benzo(b)fluoranthene
Concen: 20.60 ng m
RT: 24.03 min Scan# 3606
Delta R.T. 0.02 min
Lab File: BG022269.D
Acq: 9 Jun 2016 15:13

Tgt Ion:252 Resp: 234156
Ion Ratio Lower Upper
252 100
253 23.1 17.5 26.3
125 15.8 8.6 13.0#

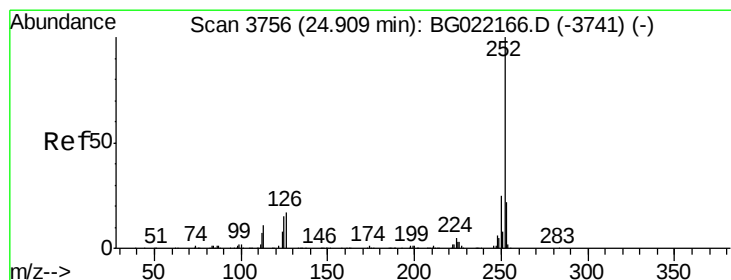
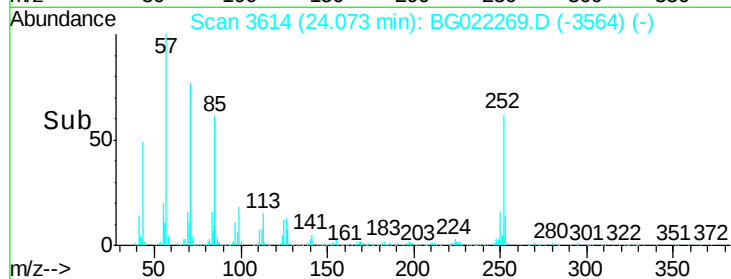
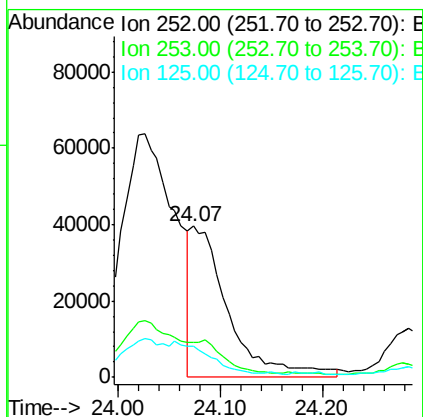
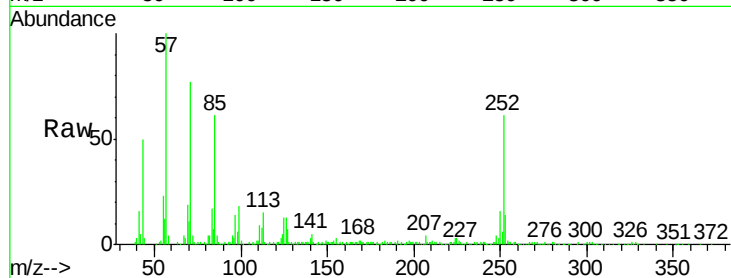




#88
Benzo(k)fluoranthene
Concen: 8.98 ng m
RT: 24.07 min Scan# 3614
Delta R.T. -0.01 min
Lab File: BG022269.D
Acq: 9 Jun 2016 15:13

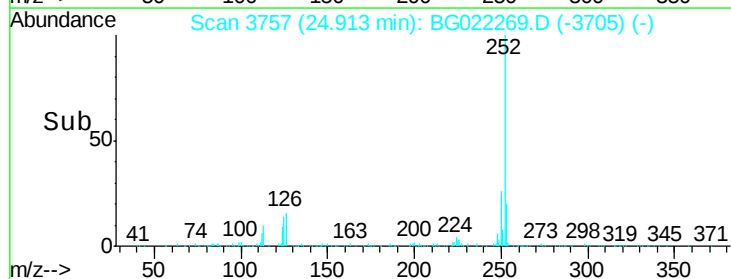
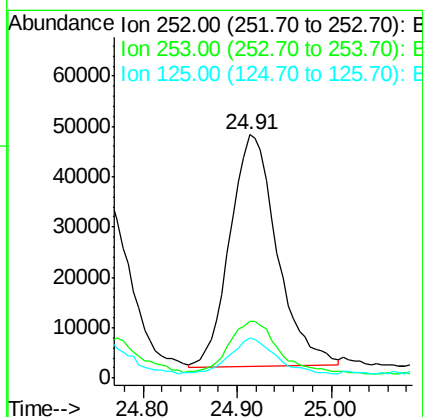
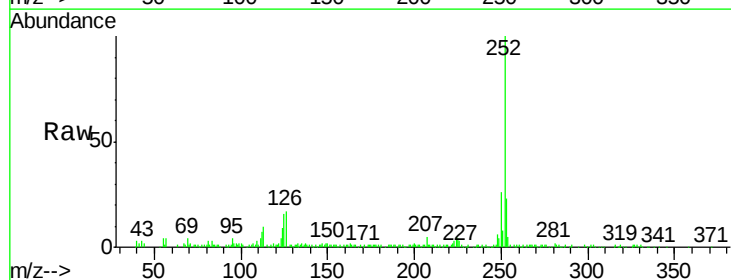
Instrument :
BNA_G
ClientSampleId :
SS-49

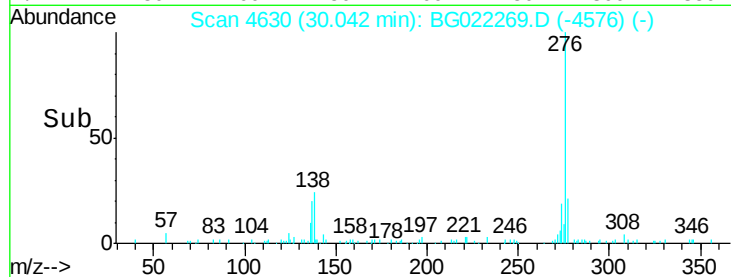
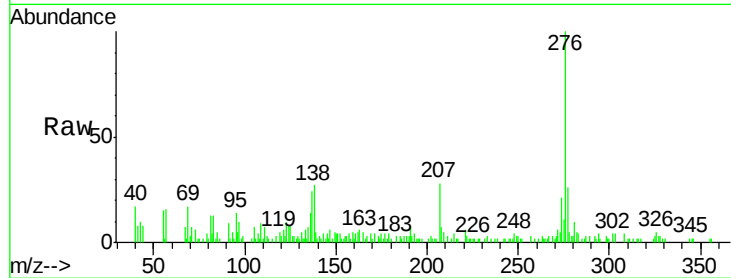
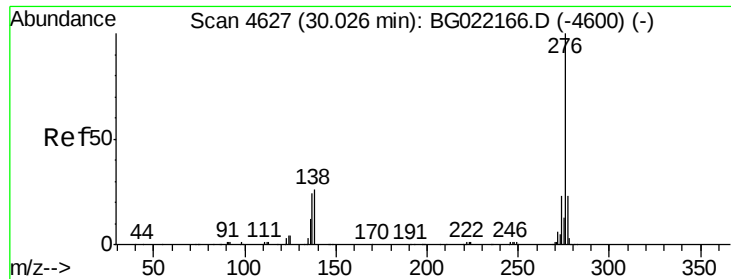
Tot Ion:252 Resp: 100481
Ion Ratio Lower Upper
252 100
253 23.1 17.8 26.8
125 20.9 8.3 12.5#



#89
Benzo(a)pyrene
Concen: 14.80 ng
RT: 24.91 min Scan# 3757
Delta R.T. 0.00 min
Lab File: BG022269.D
Acq: 9 Jun 2016 15:13

Tgt Ion:252 Resp: 160868
Ion Ratio Lower Upper
252 100
253 23.5 17.1 25.7
125 16.2 9.6 14.4#





#91

Benzo(a,h,i)perylene

Concen: 6.90 ng/ml

RT: 30.04 min Scan# 4630

Delta R.T. 0.02 min

Lab File: BG022269.D

Acq: 9 Jun 2016 15:13

Instrument :

BNA_G

ClientSampleId :

SS-49

Tot Ion: 276 Resp: 73507

Ion Ratio Lower Upper

276 100

277 26.1 19.4 29.2

138 27.5 17.4 26.0

