

Data Path : Z:\HPCHEM1\BNA G\DATA\BG060916\
 Data File : BG022272.D
 Acq On : 9 Jun 2016 17:48
 Operator : UM/SJ
 Sample : H3399-14
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SS-33

Quant Time: Jun 09 19:26:31 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

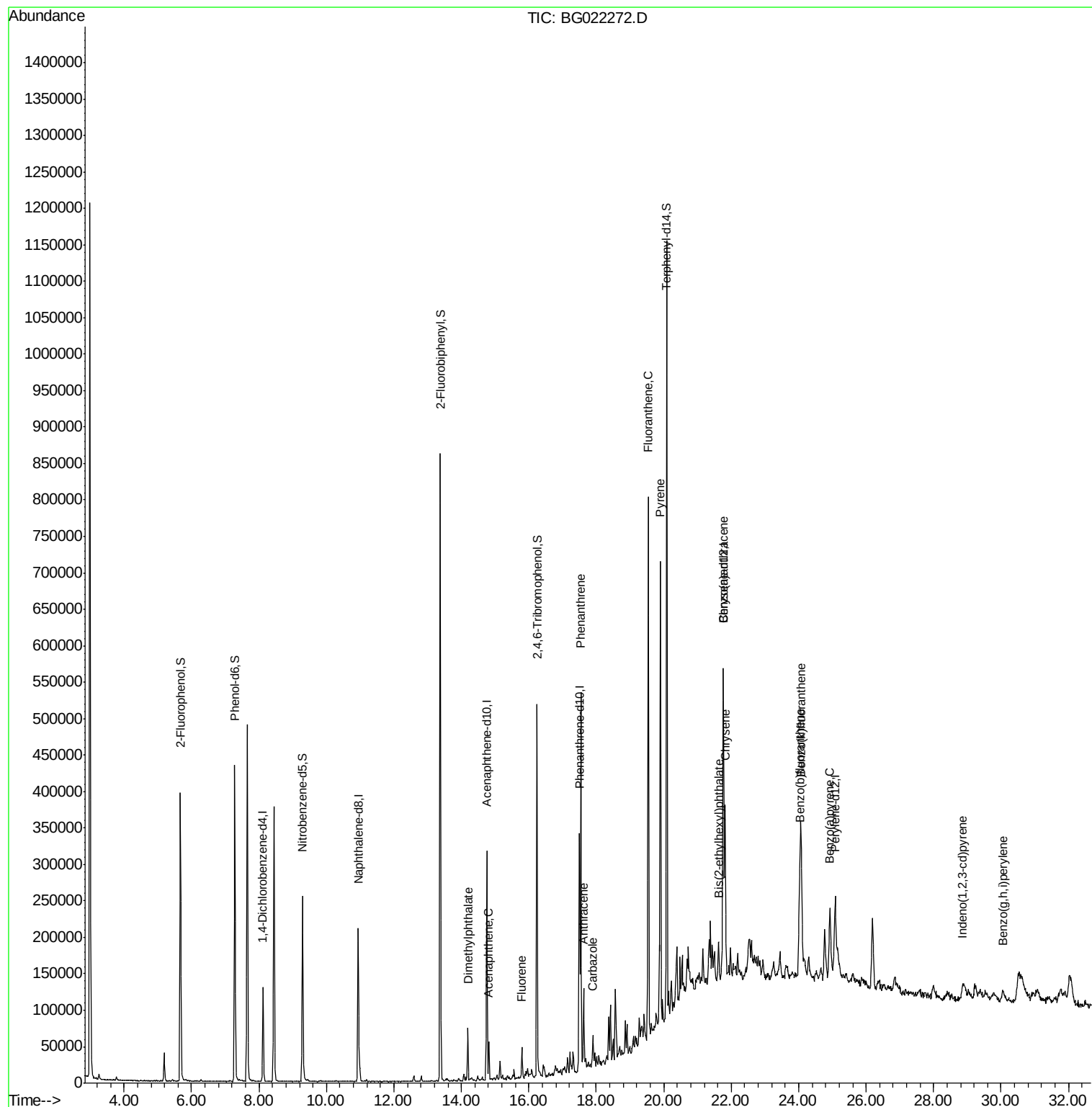
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.12	152	47158	20.00	ng	0.00
21) Naphthalene-d8	10.94	136	229831	20.00	ng	0.00
38) Acenaphthene-d10	14.75	164	121543	20.00	ng	0.00
63) Phenanthrene-d10	17.50	188	224477	20.00	ng	0.00
75) Chrysene-d12	21.77	240	186612	20.00	ng	0.00
86) Perylene-d12	25.08	264	148728	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.67	112	259982	106.59	ng	0.00
7) Phenol-d6	7.28	99	379459	98.95	ng	0.00
23) Nitrobenzene-d5	9.29	82	207731	63.01	ng	0.00
41) 2,4,6-Tribromophenol	16.24	330	108937	79.32	ng	0.00
44) 2-Fluorobiphenyl	13.37	172	525304	65.86	ng	0.00
78) Terphenyl-d14	20.09	244	482168	61.34	ng	0.00
Target Compounds						Qvalue
49) Dimethylphthalate	14.19	163	59972	5.95	ng	99
51) Acenaphthene	14.82	154	21515	2.92	ng	98
57) Fluorene	15.79	166	23342	2.36	ng	98
70) Phenanthrene	17.54	178	349765	28.69	ng	99
71) Anthracene	17.63	178	78042	6.45	ng	99
72) Carbazole	17.90	167	33066	2.89	ng	97
74) Fluoranthene	19.54	202	479449	34.21	ng	98
77) Pyrene	19.90	202	425217	36.65	ng	100
80) Benzo(a)anthracene	21.76	228	198174	18.94	ng	96
82) Chrysene	21.82	228	179127	17.59	ng	96
83) Bis(2-ethylhexyl)phthalate	21.63	149	21962	2.78	ng	98
85) Indeno(1,2,3-cd)pyrene	28.87	276	56099m	4.91	ng	
87) Benzo(b)fluoranthene	24.03	252	188350m	21.71	ng	
88) Benzo(k)fluoranthene	24.07	252	113333m	13.27	ng	
89) Benzo(a)pyrene	24.92	252	128116	15.45	ng	# 89
91) Benzo(g,h,i)perylene	30.06	276	48104m	5.92	ng	

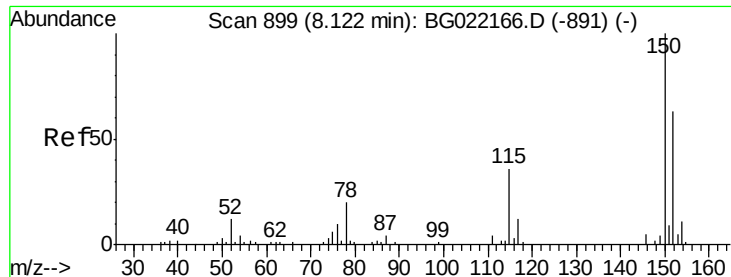
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 8.12 min Scan# 899

Delta R.T. -0.00 min

Lab File: BG022272.D

Acq: 9 Jun 2016 17:48

Instrument :

BNA_G

ClientSampleId :

SS-33

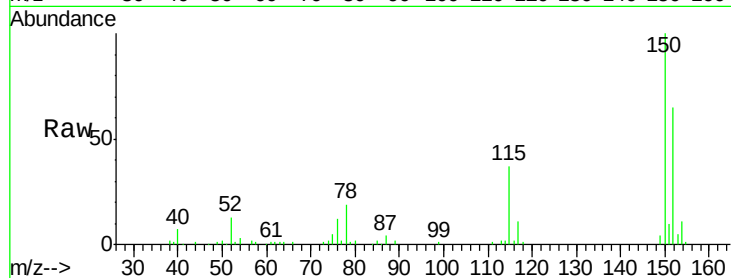
Tot Ion:152 Resp: 47158

Ion Ratio Lower Upper

152 100

150 154.4 130.1 195.1

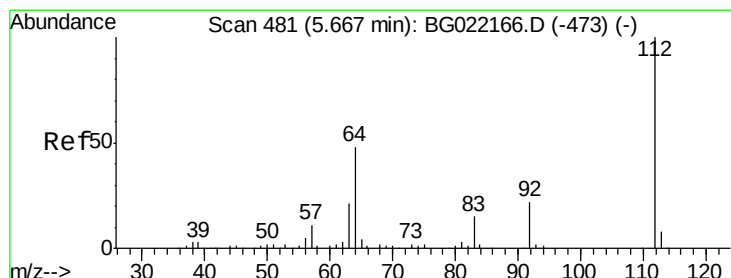
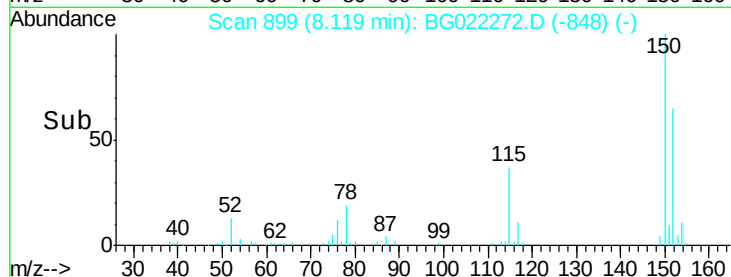
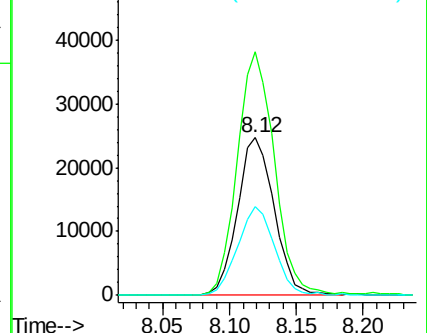
115 56.7 62.2 93.2#



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: 106.59 ng

RT: 5.67 min Scan# 482

Delta R.T. 0.00 min

Lab File: BG022272.D

Acq: 9 Jun 2016 17:48

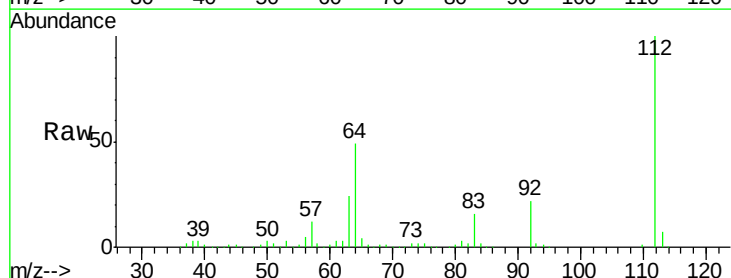
Tgt Ion:112 Resp: 259982

Ion Ratio Lower Upper

112 100

64 48.8 51.1 76.7#

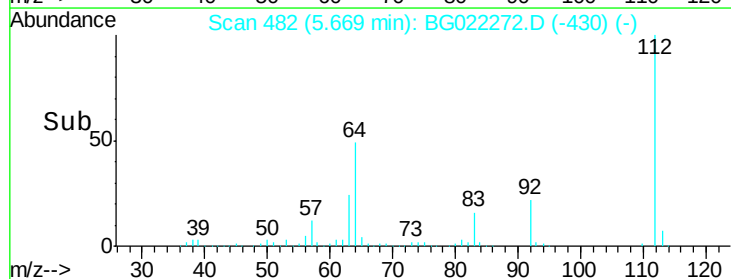
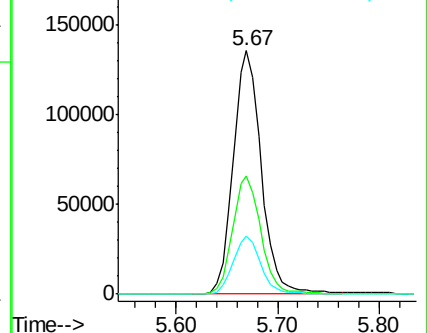
63 24.0 24.6 37.0#

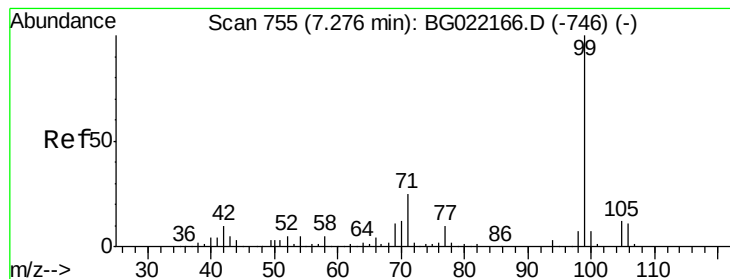


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BGC

Ion 63.00 (62.70 to 63.70): BGC





#7

Phenol-d6

Concen: 98.95 ng

RT: 7.28 min Scan# 756

Delta R.T. 0.00 min

Lab File: BG022272.D

Acq: 9 Jun 2016 17:48

Instrument :

BNA_G

ClientSampleID :

SS-33

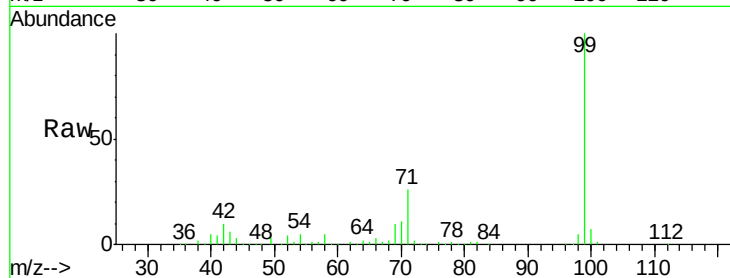
Tot Ion: 99 Resp: 379459

Ion Ratio Lower Upper

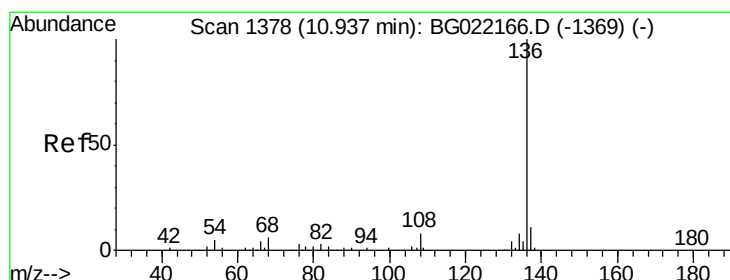
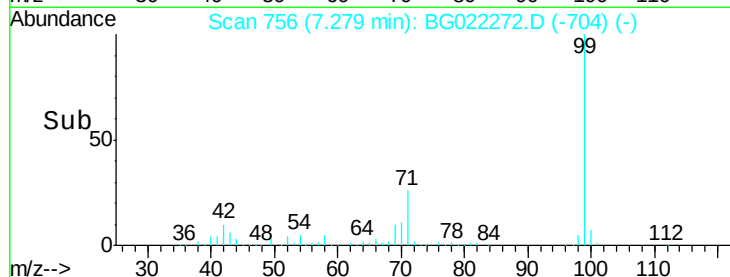
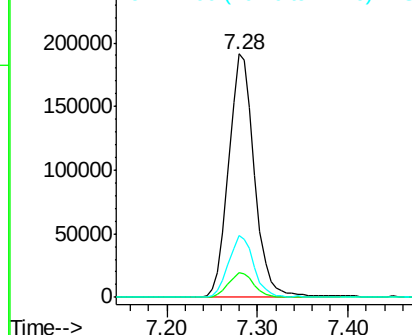
99 100

42 10.1 16.4 24.6#

71 25.5 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# 1379

Delta R.T. 0.00 min

Lab File: BG022272.D

Acq: 9 Jun 2016 17:48

Tgt Ion: 136 Resp: 229831

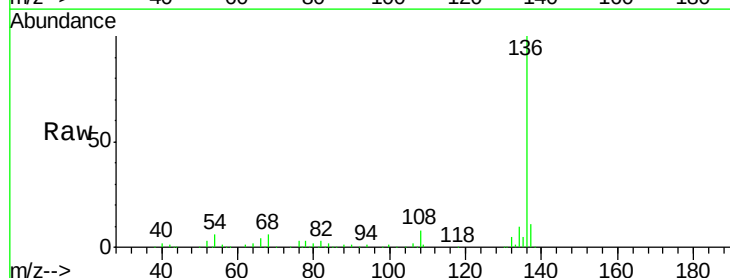
Ion Ratio Lower Upper

136 100

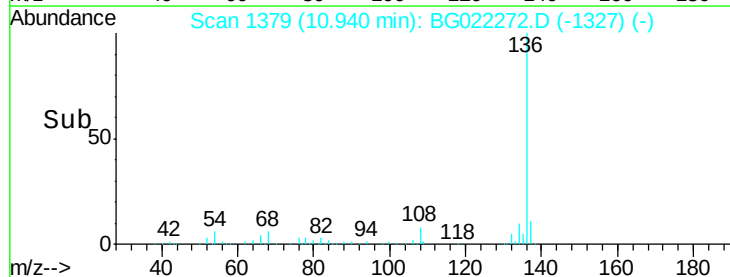
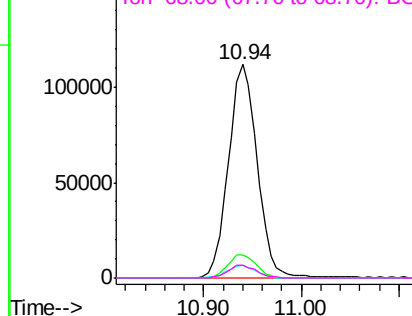
137 10.9 9.0 13.4

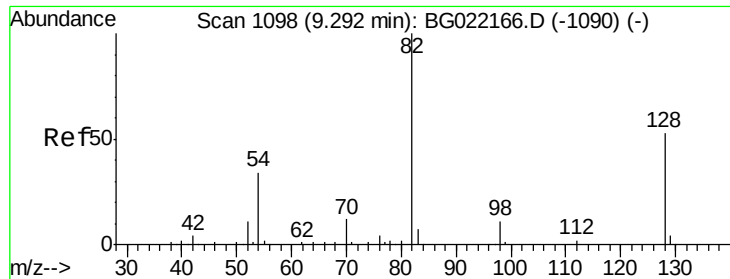
54 5.7 9.6 14.4#

68 6.0 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

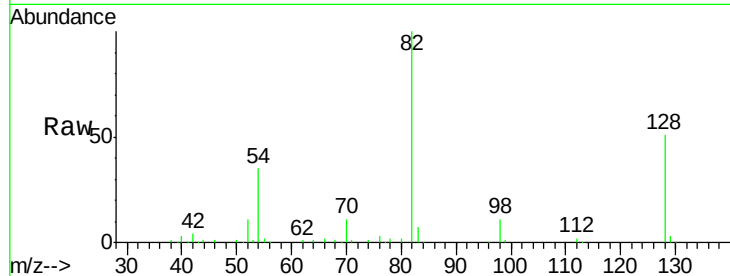




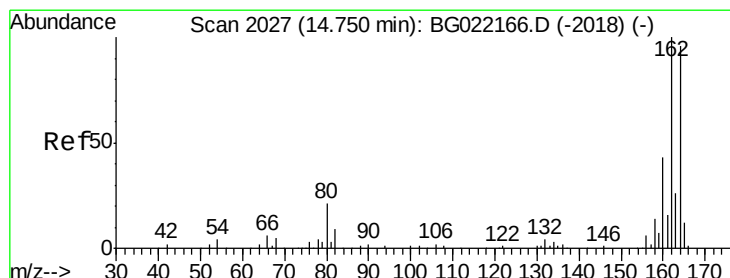
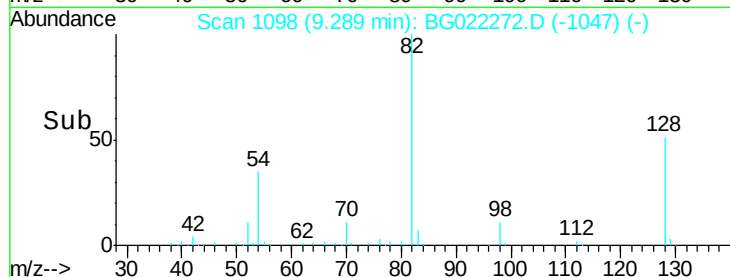
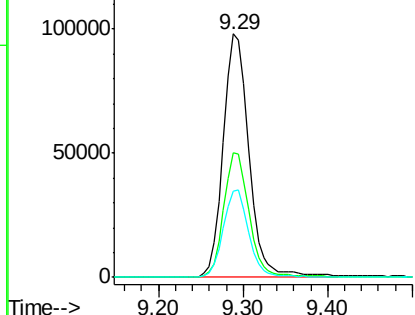
#23
Nitrobenzene-d5
Concen: 63.01 ng
RT: 9.29 min Scan# 1098
Delta R.T. -0.00 min
Lab File: BG022272.D
Acq: 9 Jun 2016 17:48

Instrument :
BNA_G
ClientSampled :
SS-33

Tot Ion	82	Resp	207731
Ion Ratio	100	Lower	Upper
128	51.0	33.4	50.0#
54	35.3	46.1	69.1#

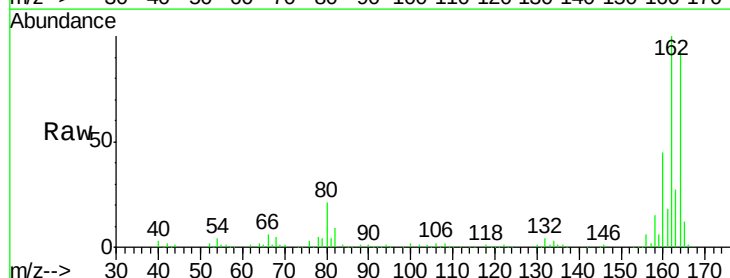


Abundance Ion 82.00 (81.70 to 82.70): BGC
Ion 128.00 (127.70 to 128.70): BGC
Ion 54.00 (53.70 to 54.70): BGC

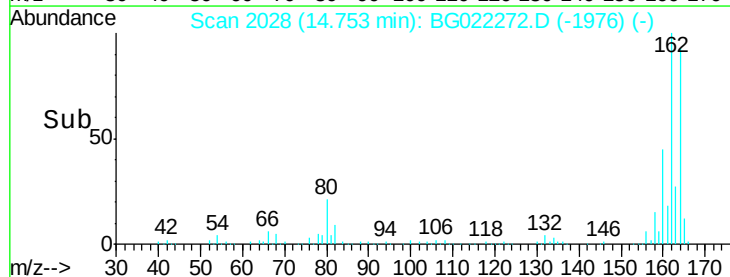
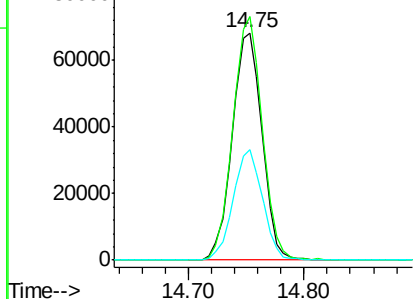


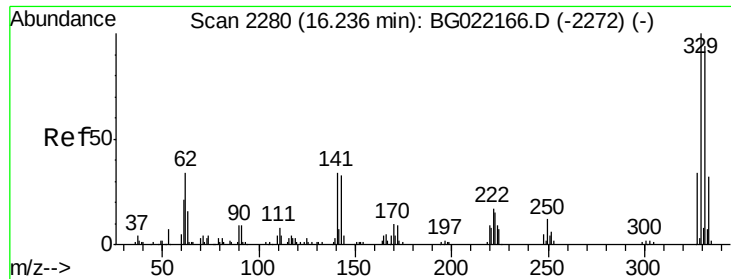
#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 14.75 min Scan# 2028
Delta R.T. 0.00 min
Lab File: BG022272.D
Acq: 9 Jun 2016 17:48

Tgt Ion	164	Resp	121543
Ion Ratio	100	Lower	Upper
162	107.1	78.0	117.0
160	48.5	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

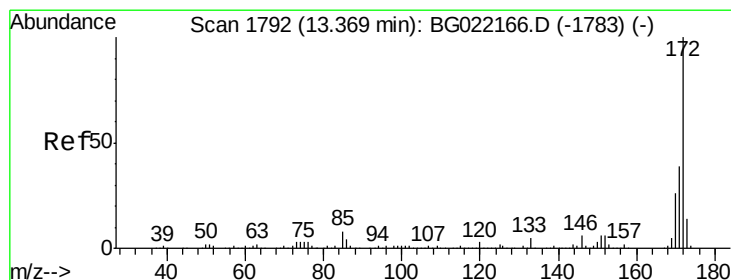
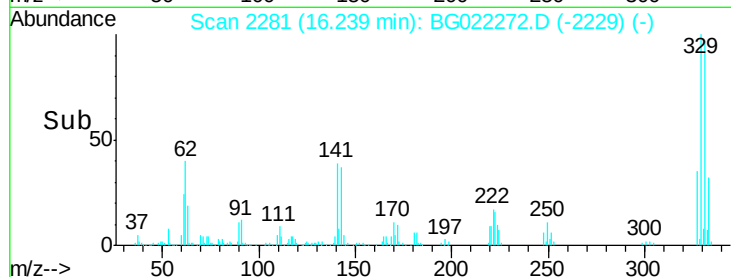
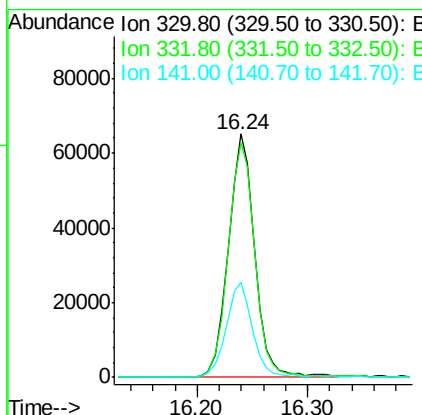
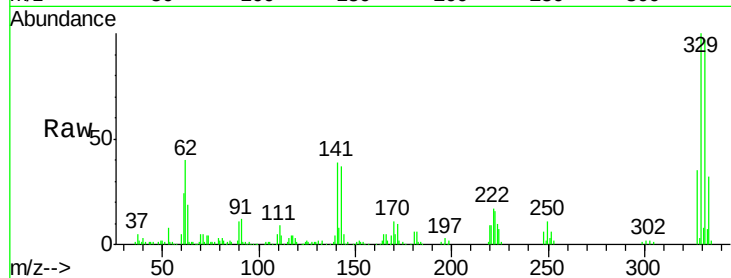




#41
 2,4,6-Tribromophenol
 Concen: 79.32 ng
 RT: 16.24 min Scan# 2281
 Delta R.T. 0.00 min
 Lab File: BG022272.D
 Acq: 9 Jun 2016 17:48

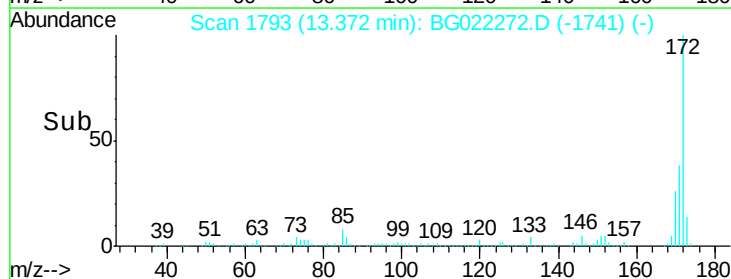
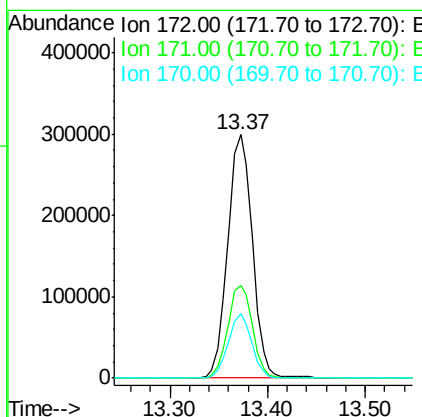
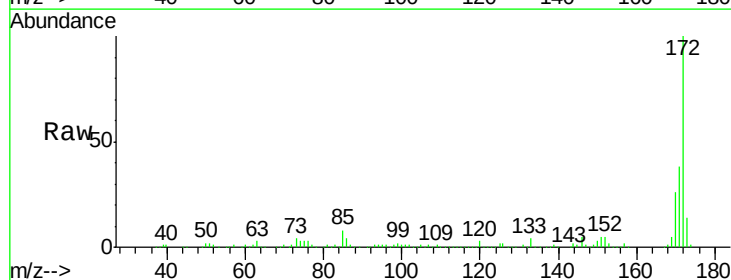
Instrument :
 BNA_G
 ClientSampleId :
 SS-33

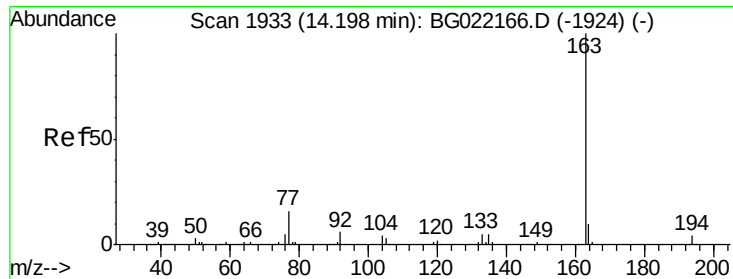
Tot Ion	Ratio	Lower	Upper
330	100		
332	97.0	78.0	117.0
141	39.1	33.8	50.8



#44
 2-Fluorobiphenyl
 Concen: 65.86 ng
 RT: 13.37 min Scan# 1793
 Delta R.T. 0.00 min
 Lab File: BG022272.D
 Acq: 9 Jun 2016 17:48

Tgt Ion	Ratio	Lower	Upper
172	100		
171	38.2	27.8	41.6
170	26.4	19.6	29.4





#49

Dimethylphthalate

Concen: 5.95 ng

RT: 14.19 min Scan# 1933

Delta R.T. -0.00 min

Lab File: BG022272.D

Acq: 9 Jun 2016 17:48

Instrument :

BNA_G

ClientSampled :

SS-33

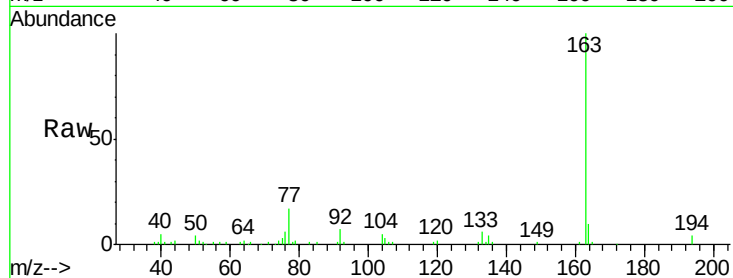
Tot Ion:163 Resp: 59972

Ion Ratio Lower Upper

163 100

194 3.9 3.0 4.6

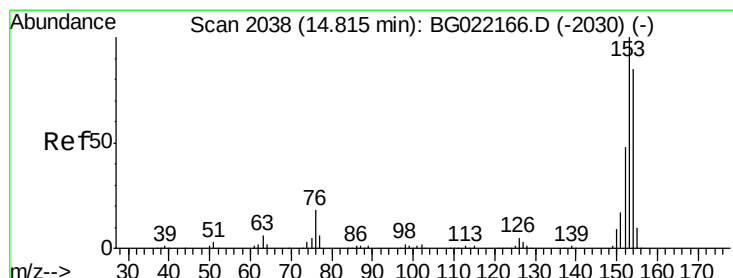
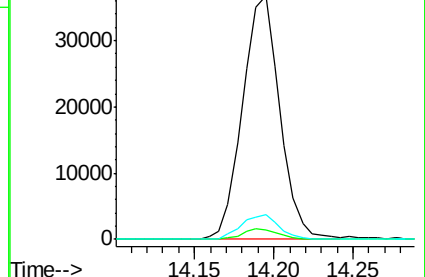
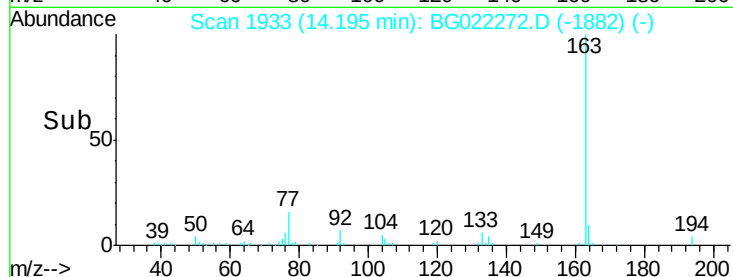
164 10.3 8.1 12.1



Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#51

Acenaphthene

Concen: 2.92 ng

RT: 14.82 min Scan# 2039

Delta R.T. 0.00 min

Lab File: BG022272.D

Acq: 9 Jun 2016 17:48

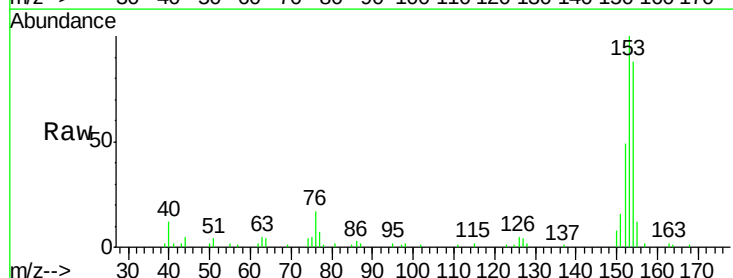
Tgt Ion:154 Resp: 21515

Ion Ratio Lower Upper

154 100

153 113.3 91.9 137.9

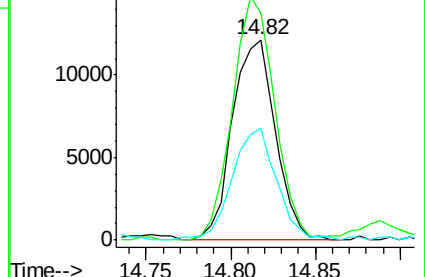
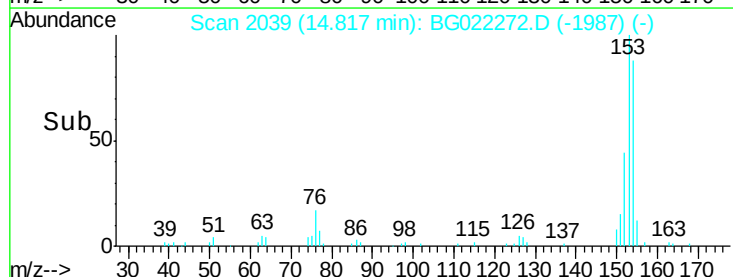
152 55.7 42.0 63.0

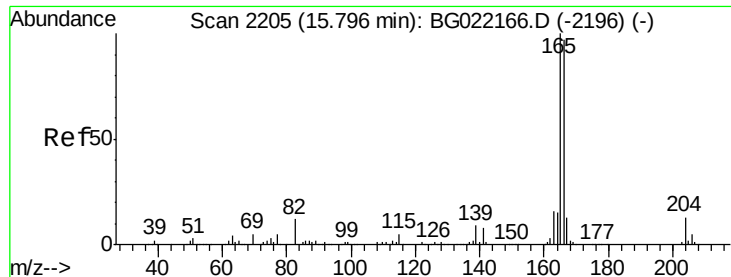


Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

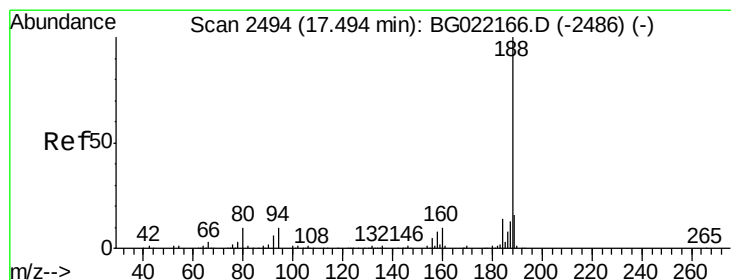
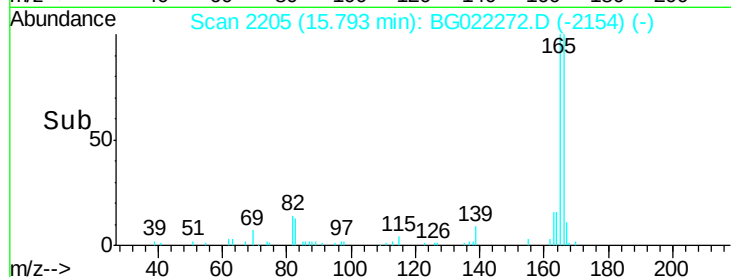
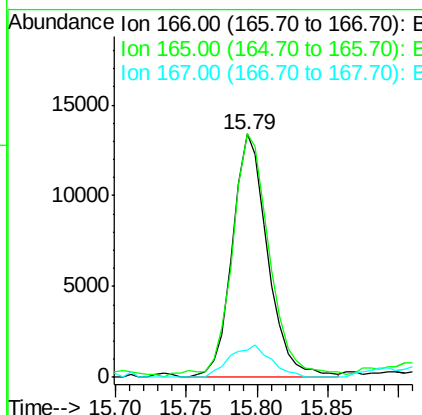
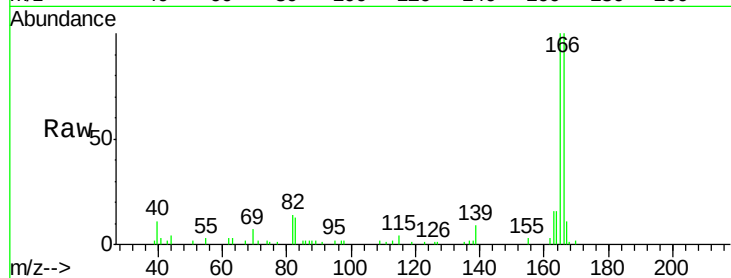




#57
Fluorene
 Concen: 2.36 ng
 RT: 15.79 min Scan# 2205
 Delta R.T. -0.00 min
 Lab File: BG022272.D
 Acq: 9 Jun 2016 17:48

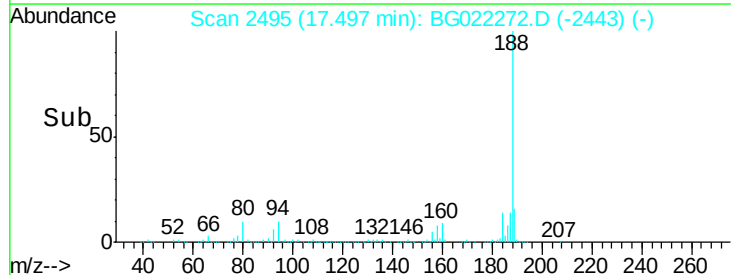
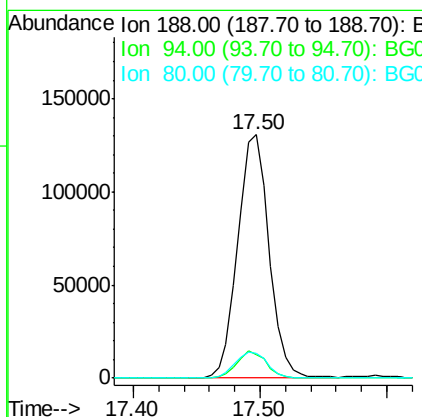
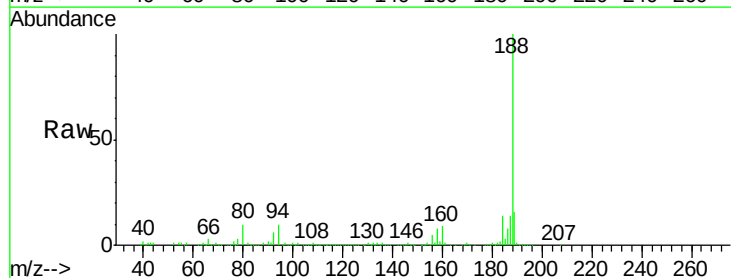
Instrument :
 BNA_G
 ClientSampleId :
 SS-33

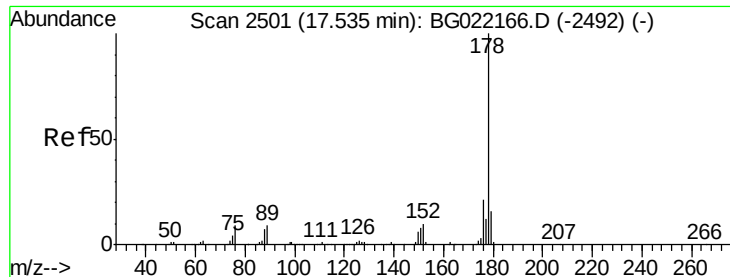
Tot Ion:166 Resp: 23342
 Ion Ratio Lower Upper
 166 100
 165 100.2 79.0 118.4
 167 11.4 10.7 16.1



#63
Phenanthrene-d10
 Concen: 20.00 ng
 RT: 17.50 min Scan# 2495
 Delta R.T. 0.00 min
 Lab File: BG022272.D
 Acq: 9 Jun 2016 17:48

Tgt Ion:188 Resp: 224477
 Ion Ratio Lower Upper
 188 100
 94 9.9 7.5 11.3
 80 10.4 8.6 13.0





#70

Phenanthrene

Concen: 28.69 ng

RT: 17.54 min Scan# 2502

Delta R.T. 0.00 min

Lab File: BG022272.D

Acq: 9 Jun 2016 17:48

Instrument :

BNA_G

ClientSampleId :

SS-33

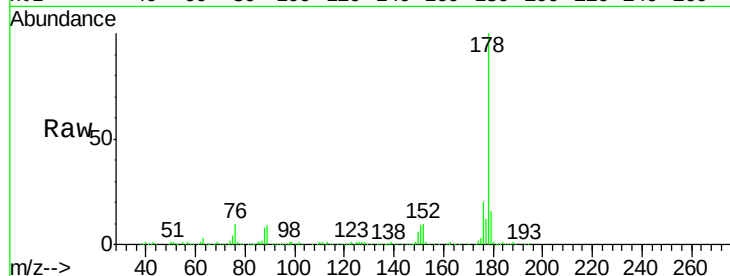
Tot Ion:178 Resp: 349765

Ion Ratio Lower Upper

178 100

176 20.2 16.2 24.4

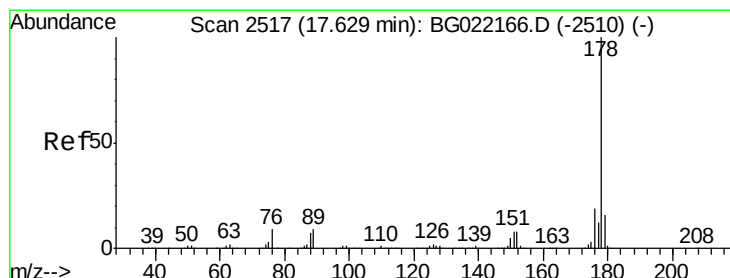
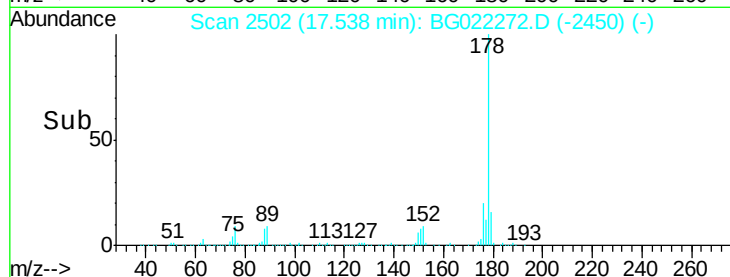
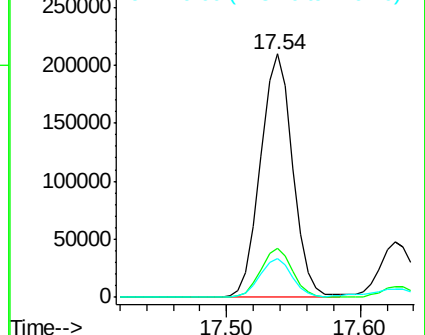
179 15.8 12.0 18.0



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: 6.45 ng

RT: 17.63 min Scan# 2517

Delta R.T. -0.00 min

Lab File: BG022272.D

Acq: 9 Jun 2016 17:48

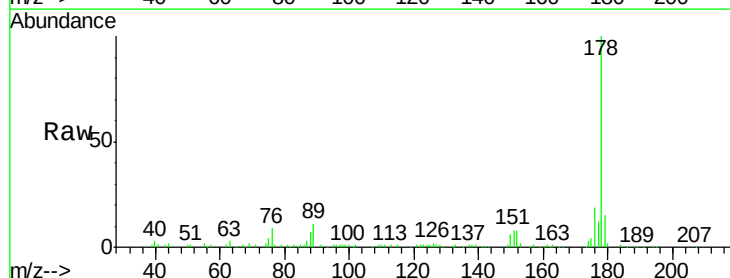
Tgt Ion:178 Resp: 78042

Ion Ratio Lower Upper

178 100

176 19.0 15.0 22.4

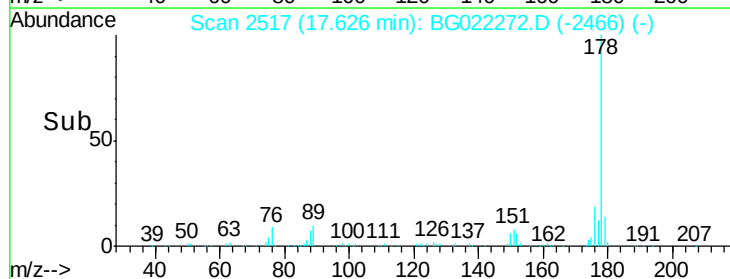
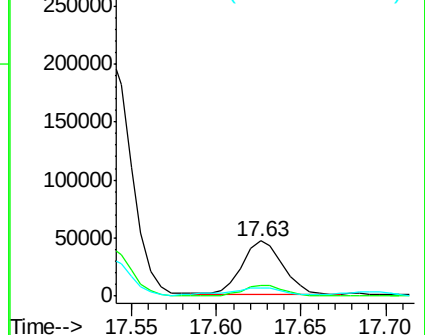
179 14.8 12.2 18.4

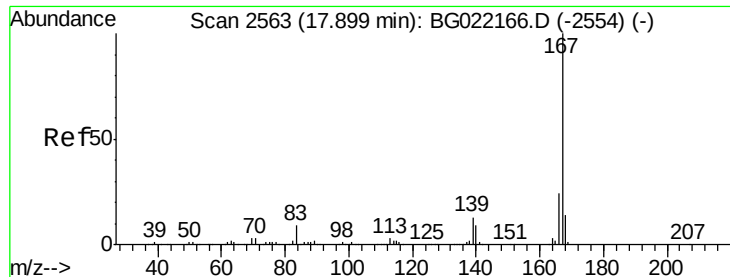


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#72

Carbazole

Concen: 2.89 ng

RT: 17.90 min Scan# 2564

Delta R.T. 0.00 min

Lab File: BG022272.D

Acq: 9 Jun 2016 17:48

Instrument :

BNA_G

ClientSampleId :

SS-33

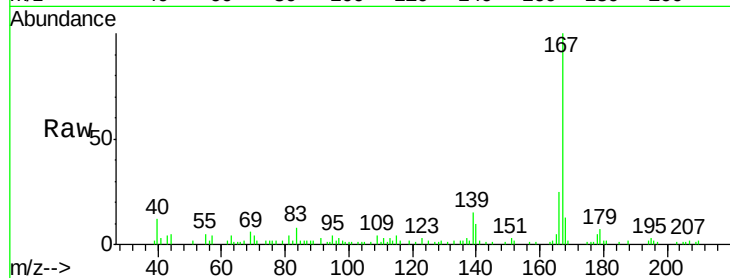
Tot Ion:167 Resp: 33066

Ion Ratio Lower Upper

167 100

166 24.8 18.6 27.8

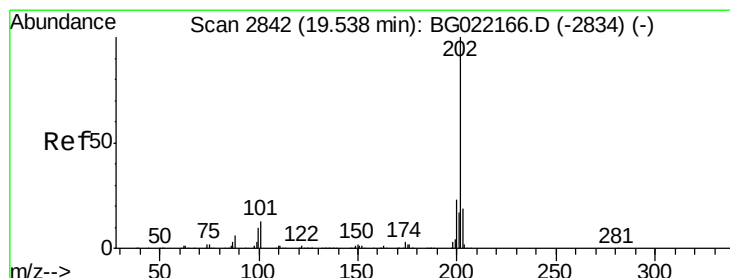
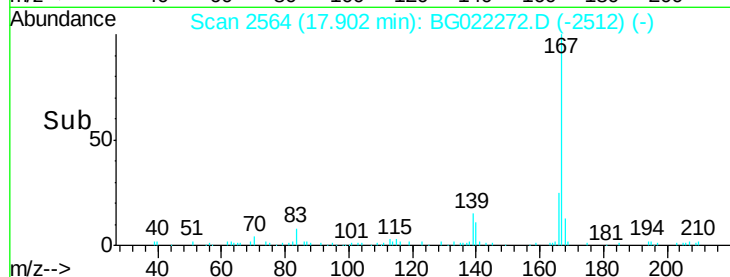
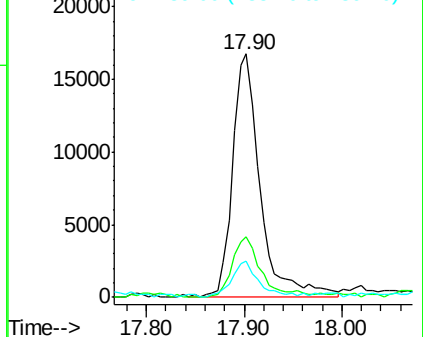
139 14.8 10.6 15.8



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: 34.21 ng

RT: 19.54 min Scan# 2843

Delta R.T. 0.00 min

Lab File: BG022272.D

Acq: 9 Jun 2016 17:48

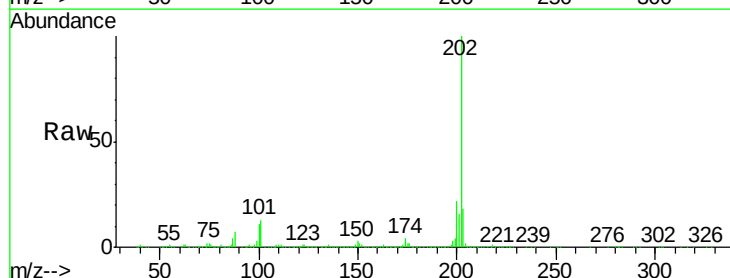
Tgt Ion:202 Resp: 479449

Ion Ratio Lower Upper

202 100

101 12.9 0.0 31.0

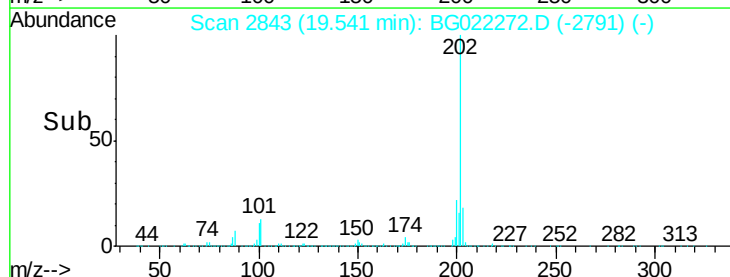
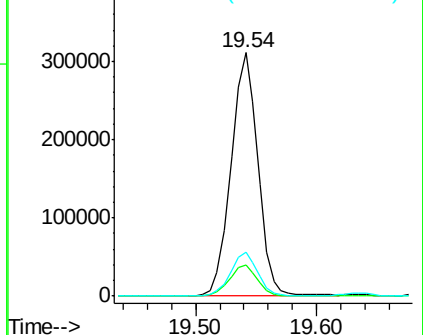
203 18.1 0.0 37.9

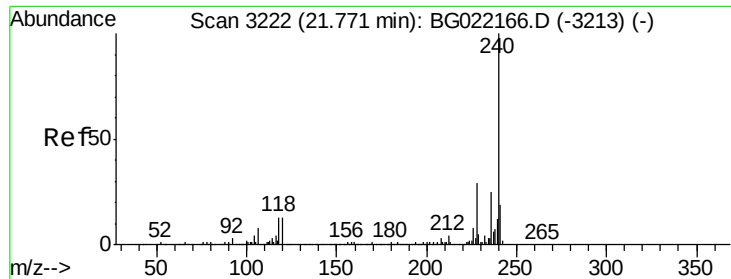


Abundance Ion 202.00 (201.70 to 202.70): E

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# 3223

Delta R.T. 0.00 min

Lab File: BG022272.D

Acq: 9 Jun 2016 17:48

Instrument :

BNA_G

ClientSampleId :

SS-33

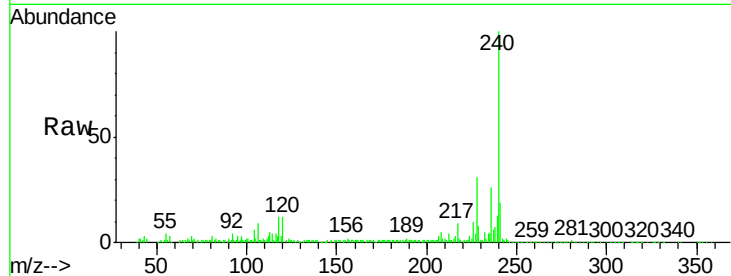
Tot Ion:240 Resp: 186612

Ion Ratio Lower Upper

240 100

120 12.5 8.4 12.6

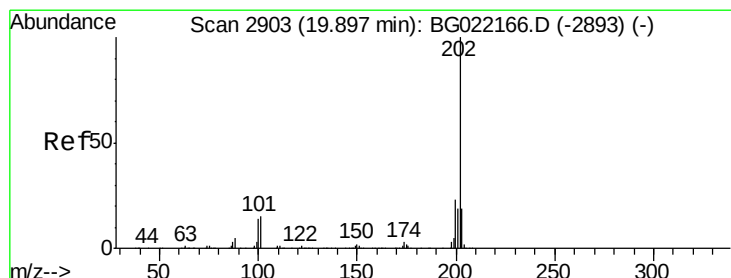
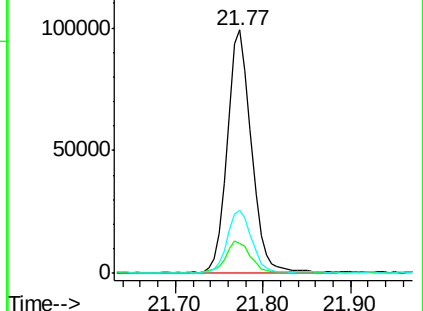
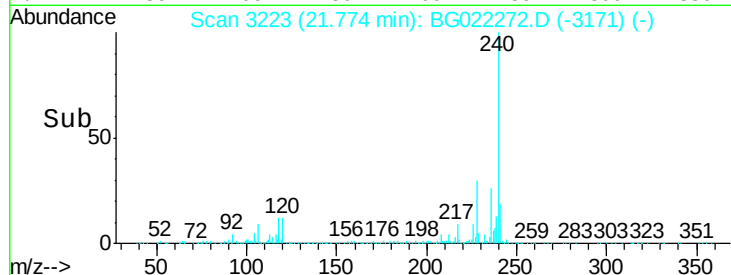
236 26.0 19.6 29.4



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: 36.65 ng

RT: 19.90 min Scan# 2904

Delta R.T. 0.00 min

Lab File: BG022272.D

Acq: 9 Jun 2016 17:48

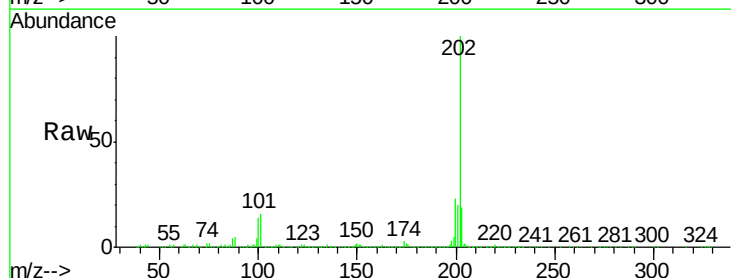
Tgt Ion:202 Resp: 425217

Ion Ratio Lower Upper

202 100

200 22.6 18.2 27.2

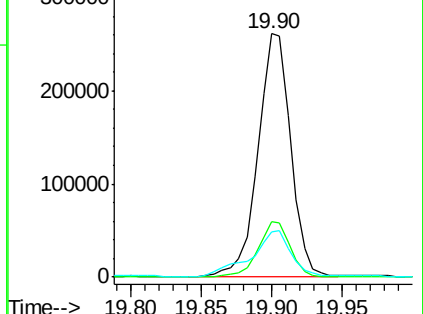
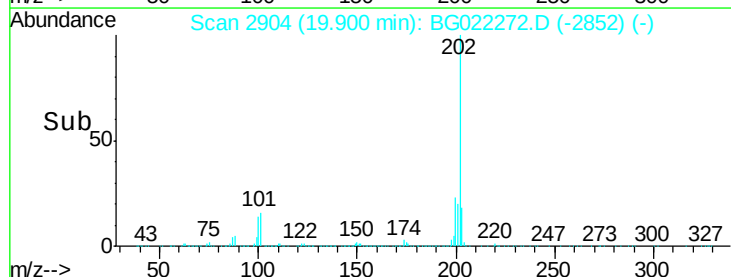
203 18.6 15.0 22.4

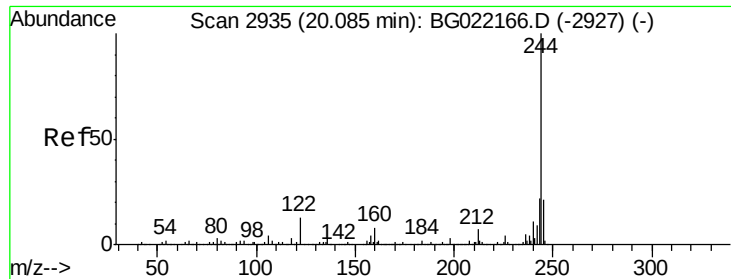


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 61.34 ng

RT: 20.09 min Scan# 2936

Delta R.T. 0.00 min

Lab File: BG022272.D

Acq: 9 Jun 2016 17:48

Instrument :

BNA_G

ClientSampleId :

SS-33

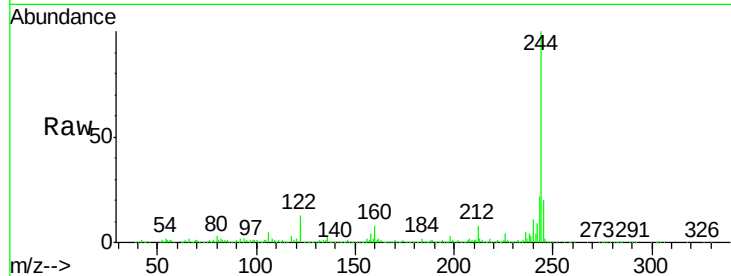
Tot Ion:244 Resp: 482168

Ion Ratio Lower Upper

244 100

212 7.5 6.5 9.7

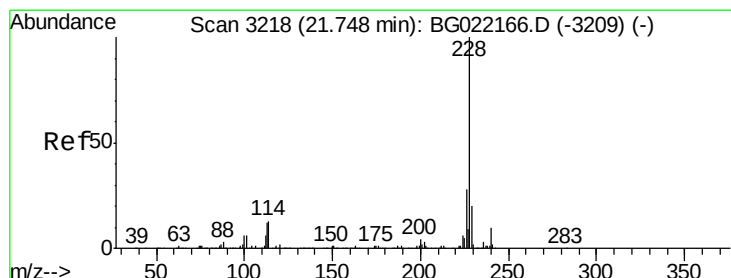
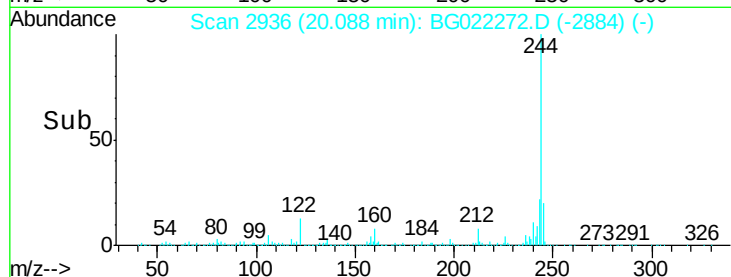
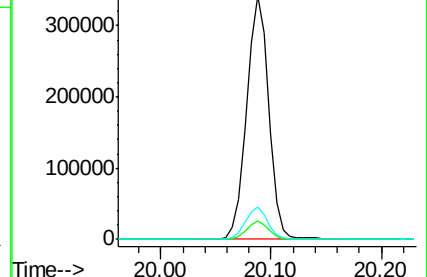
122 13.2 8.6 12.8#



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: 18.94 ng

RT: 21.76 min Scan# 3220

Delta R.T. 0.01 min

Lab File: BG022272.D

Acq: 9 Jun 2016 17:48

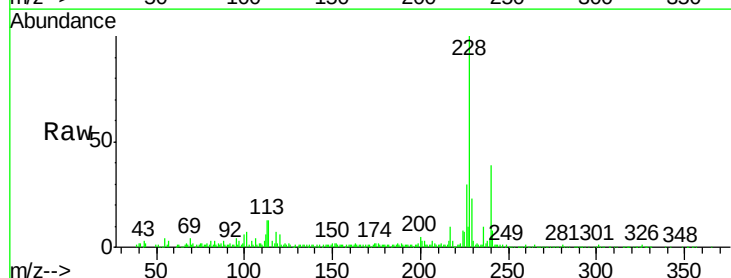
Tgt Ion:228 Resp: 198174

Ion Ratio Lower Upper

228 100

226 29.6 22.6 34.0

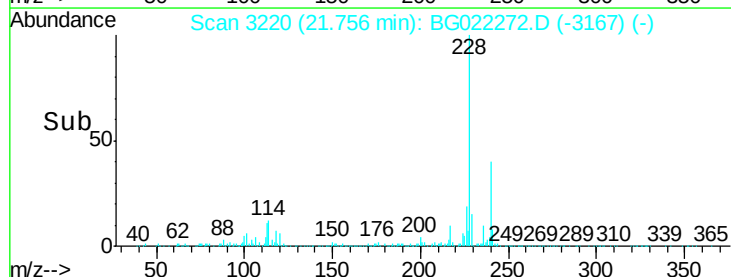
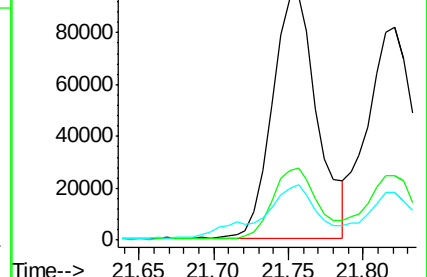
229 22.8 16.1 24.1

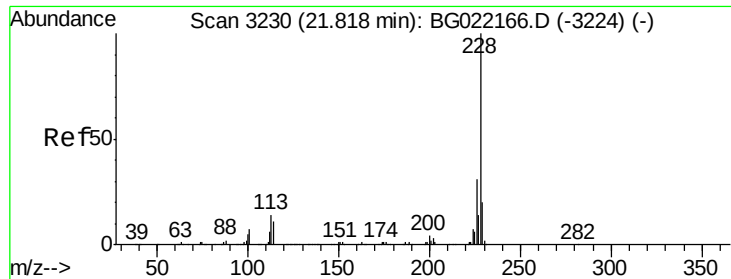


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#82

Chrysene

Concen: 17.59 ng

RT: 21.82 min Scan# 3231

Delta R.T. 0.00 min

Lab File: BG022272.D

Acq: 9 Jun 2016 17:48

Instrument :

BNA_G

ClientSampleId :

SS-33

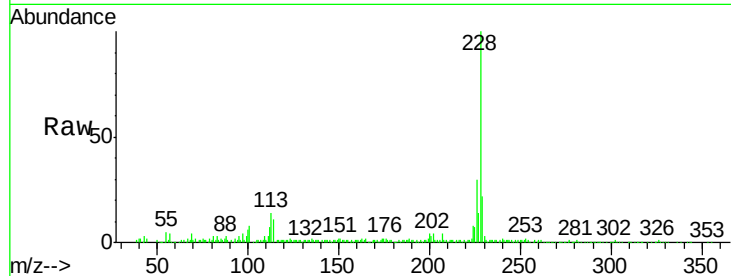
Tot Ion:228 Resp: 179127

Ion Ratio Lower Upper

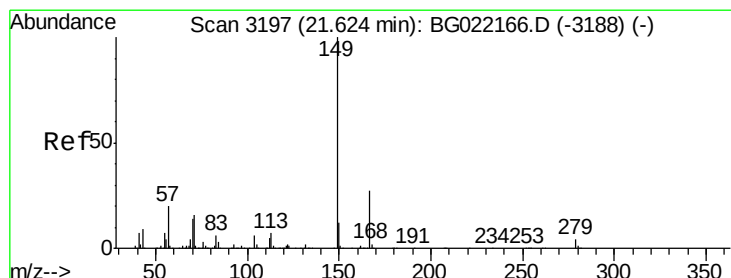
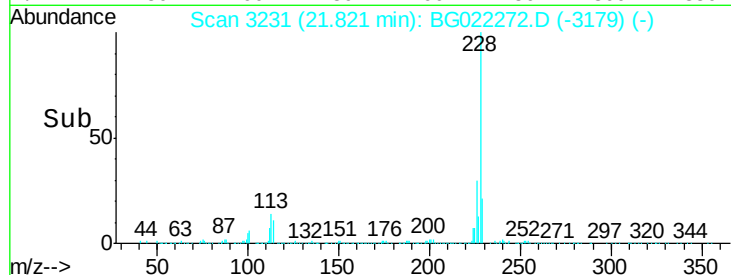
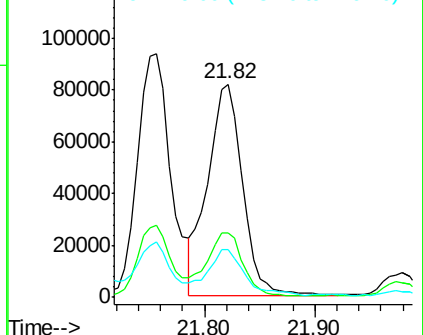
228 100

226 30.2 25.4 38.0

229 22.3 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



#83

Bis(2-ethylhexyl)phthalate

Concen: 2.78 ng

RT: 21.63 min Scan# 3198

Delta R.T. 0.00 min

Lab File: BG022272.D

Acq: 9 Jun 2016 17:48

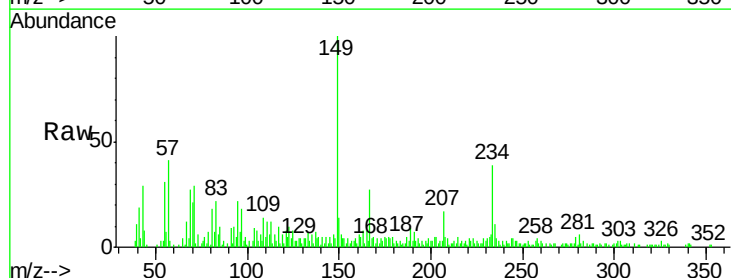
Tgt Ion:149 Resp: 21962

Ion Ratio Lower Upper

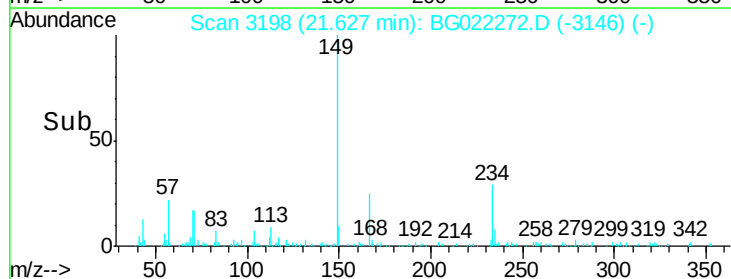
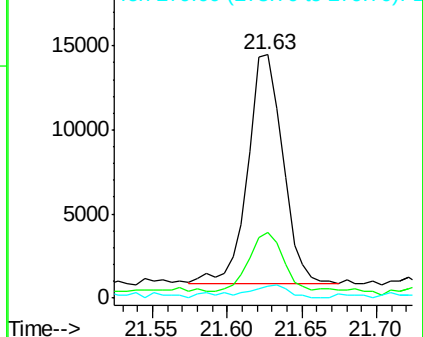
149 100

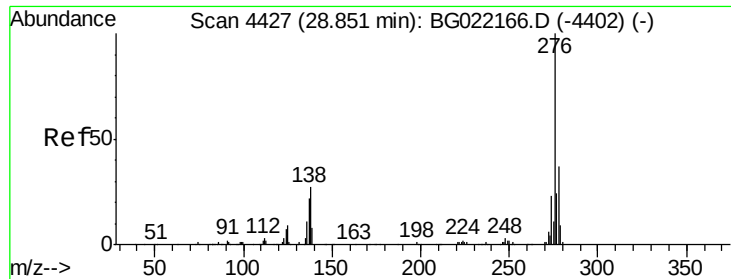
167 26.9 22.4 33.6

279 4.7 3.2 4.8



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

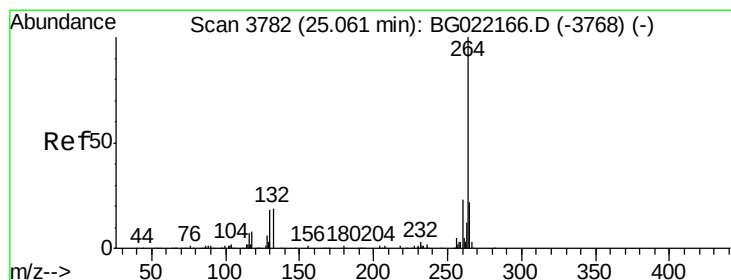
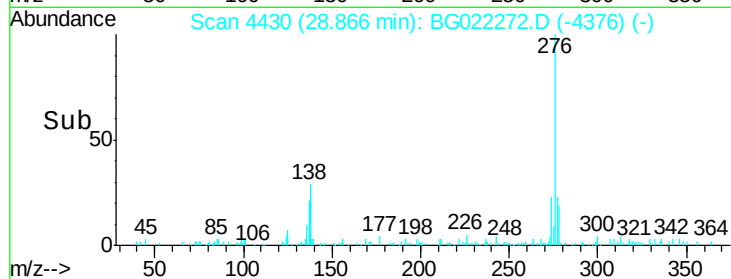
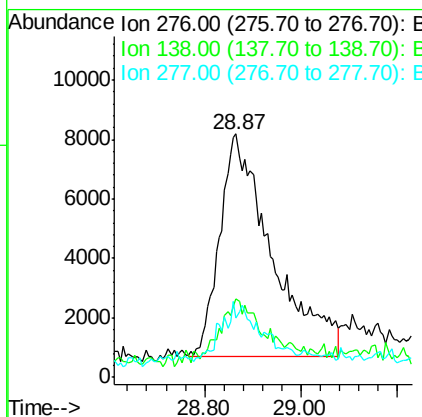
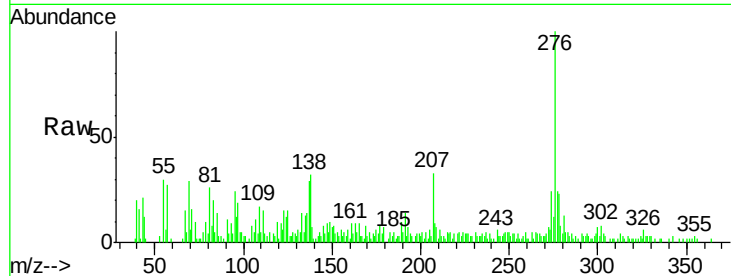




#85
 Indeno(1,2,3-cd)pyrene
 Concen: 4.91 ng/mL
 RT: 28.87 min Scan# 4430
 Delta R.T. 0.01 min
 Lab File: BG022272.D
 Acq: 9 Jun 2016 17:48

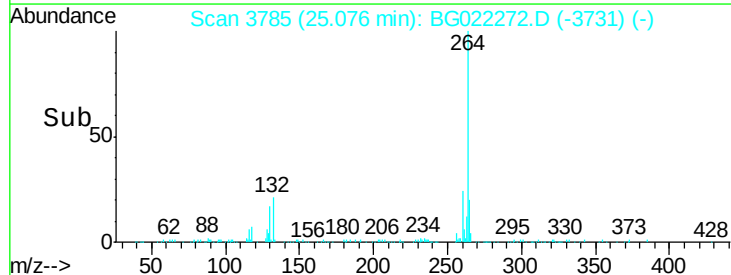
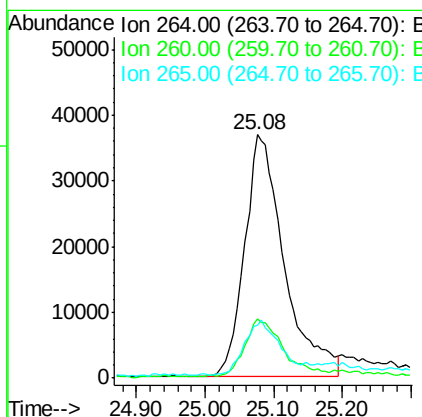
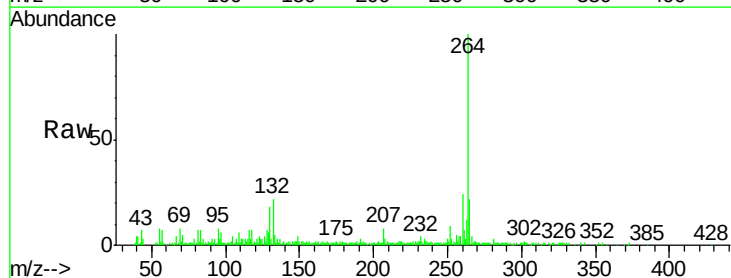
Instrument :
 BNA_G
 ClientSampleId :
 SS-33

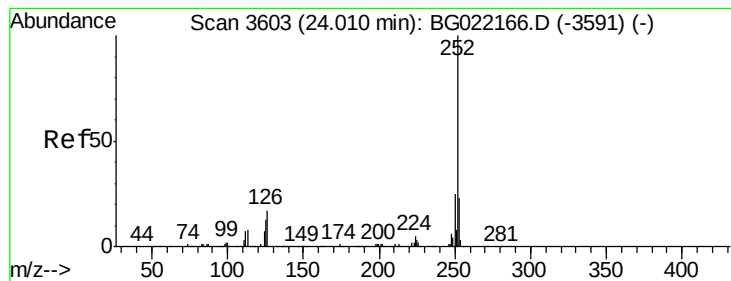
Tot Ion	Ratio	Lower	Upper
276	100		
138	17.1	14.0	21.0
277	0.9	20.6	30.8#



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 25.08 min Scan# 3785
 Delta R.T. 0.01 min
 Lab File: BG022272.D
 Acq: 9 Jun 2016 17:48

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.1	20.2	30.4
265	21.5	17.8	26.8





#87

Benzo(b)fluoranthene

Concen: 21.71 ng m

RT: 24.03 min Scan# 3607

Delta R.T. 0.02 min

Lab File: BG022272.D

Acq: 9 Jun 2016 17:48

Instrument :

BNA_G

ClientSampleId :

SS-33

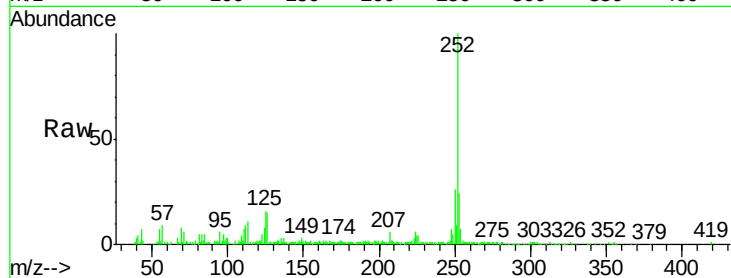
Tot Ion:252 Resp: 188350

Ion Ratio Lower Upper

252 100

253 24.2 17.5 26.3

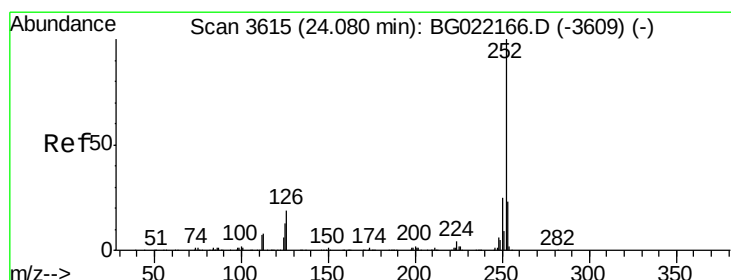
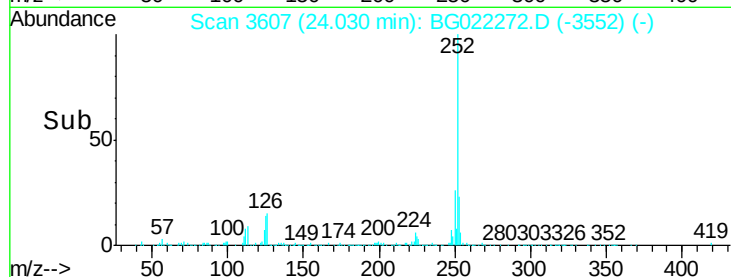
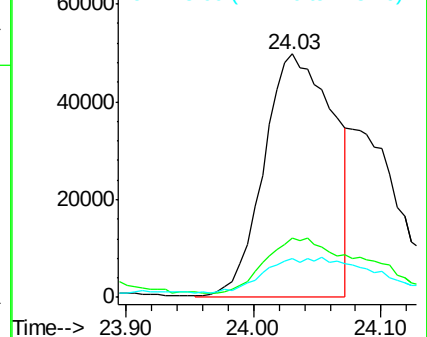
125 15.9 8.6 13.0#



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: 13.27 ng m

RT: 24.07 min Scan# 3614

Delta R.T. -0.01 min

Lab File: BG022272.D

Acq: 9 Jun 2016 17:48

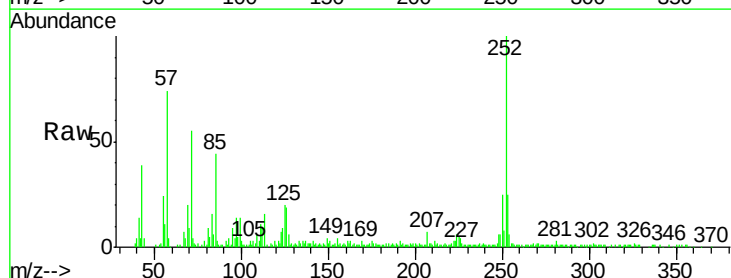
Tgt Ion:252 Resp: 113333

Ion Ratio Lower Upper

252 100

253 25.5 17.8 26.8

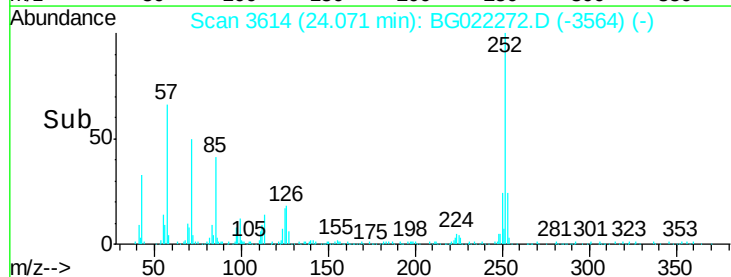
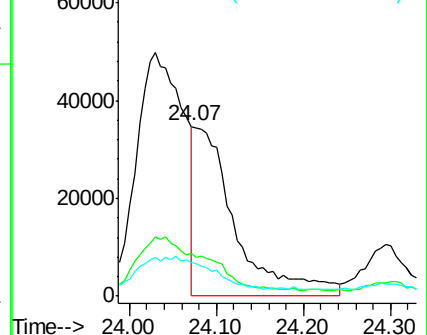
125 20.0 8.3 12.5#

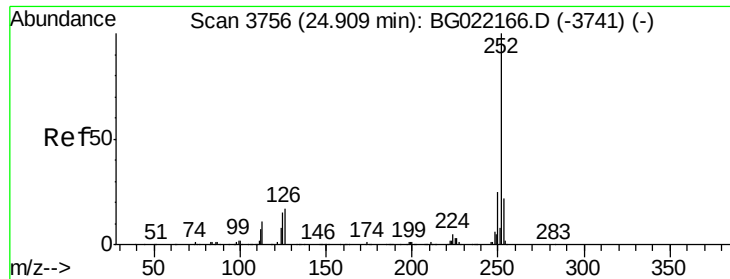


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#89

Benzo(a)pyrene

Concen: 15.45 ng

RT: 24.92 min Scan# 3759

Delta R.T. 0.01 min

Lab File: BG022272.D

Acq: 9 Jun 2016 17:48

Instrument :

BNA_G

ClientSampled :

SS-33

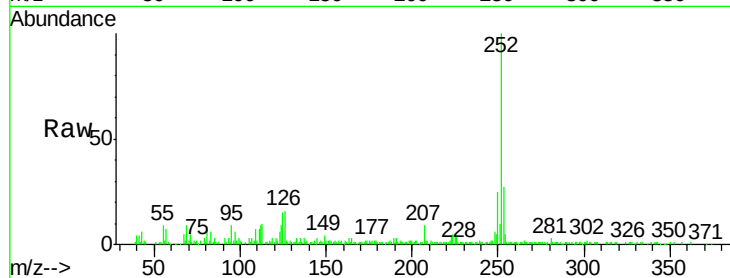
Tot Ion:252 Resp: 128116

Ion Ratio Lower Upper

252 100

253 27.4 17.1 25.7#

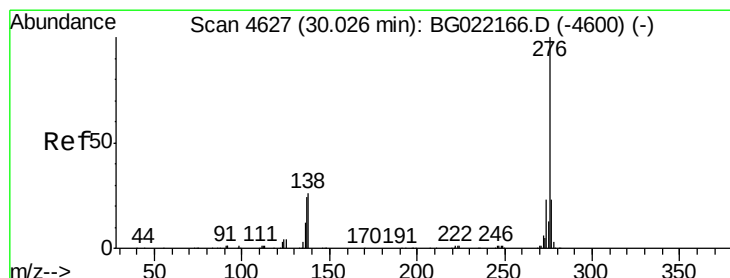
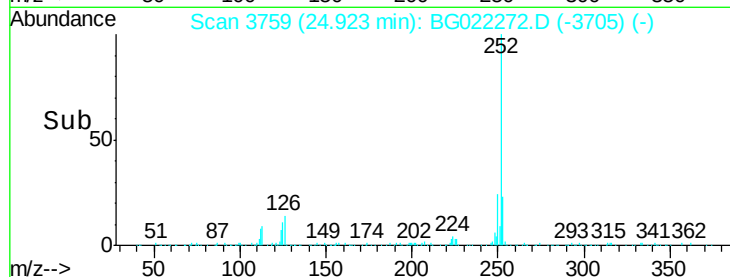
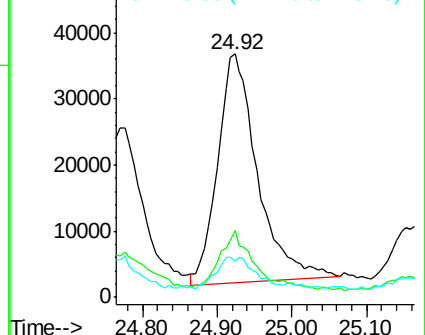
125 14.7 9.6 14.4#



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: 5.92 ng m

RT: 30.06 min Scan# 4634

Delta R.T. 0.04 min

Lab File: BG022272.D

Acq: 9 Jun 2016 17:48

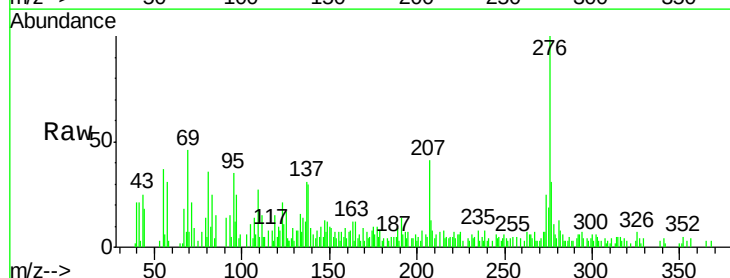
Tgt Ion:276 Resp: 48104

Ion Ratio Lower Upper

276 100

277 30.9 19.4 29.2#

138 29.6 17.4 26.0#



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

