

Data Path : Z:\HPCHEM1\BNA G\Data\BG060916\
 Data File : BG02272.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 :

Quant Time: Jun 09 19:23:31 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

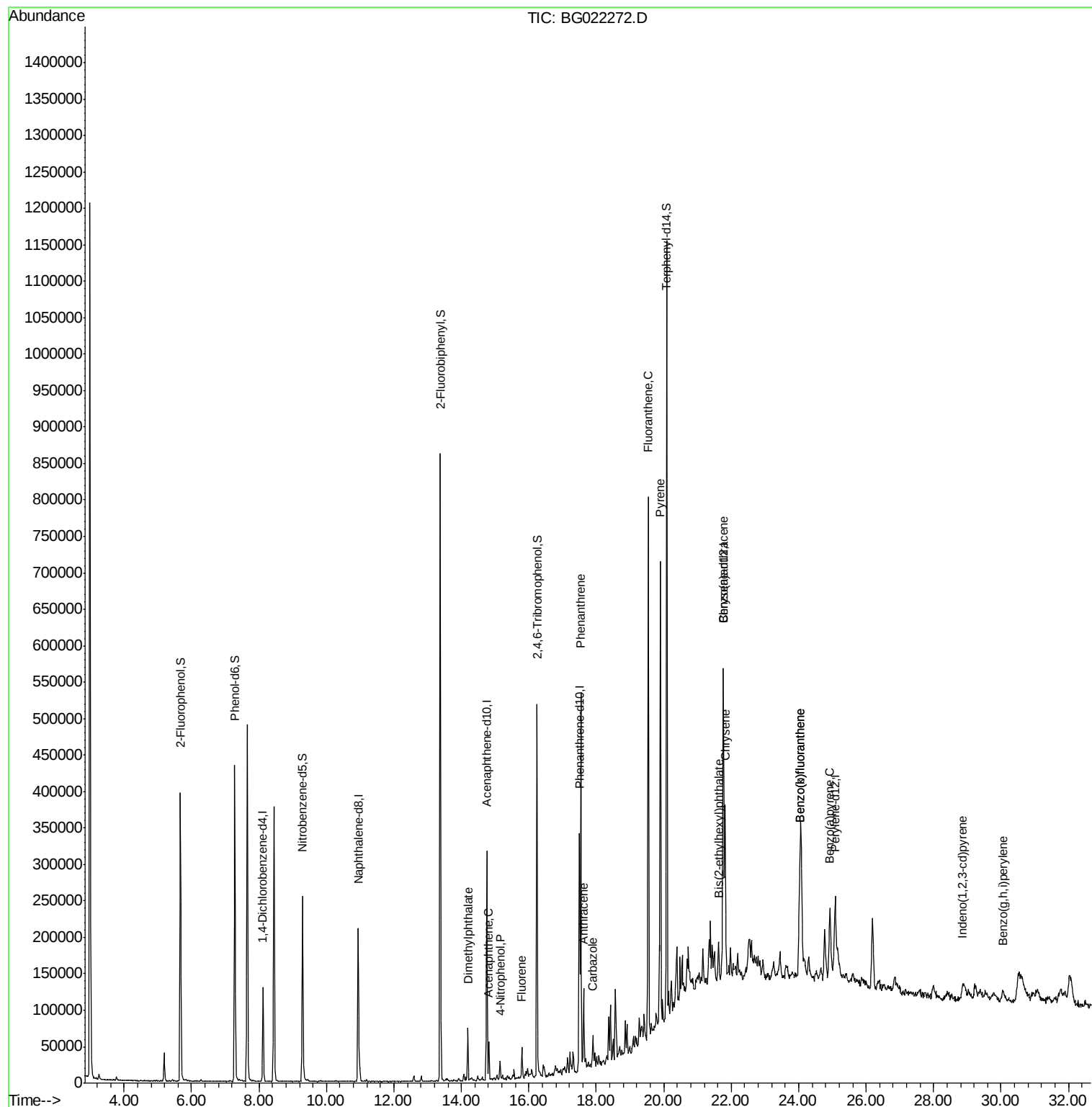
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.12	152	47158	20.00	ng	0.00
21) Naphthalene-d8	10.94	136	229831	20.00	ng	0.00
38) Acenaphthene-d10	14.75	164	121543	20.00	ng	0.00
63) Phenanthrene-d10	17.50	188	224477	20.00	ng	0.00
75) Chrysene-d12	21.77	240	186612	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
55) 4-Nitrophenol	15.15	139	6445	3.84	ng	# 5
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	45828	4.01	ng	# 68
87) Benzo(b)fluoranthene	24.03	252	296097	34.14	ng	# 92
88) Benzo(k)fluoranthene	24.03	252	296097	34.68	ng	# 93
89) Benzo(a)pyrene	24.92	252	128116	15.45	ng	# 89
91) Benzo(a,h,i)perylene	30.06	276	35716	4.39	ng	# 85

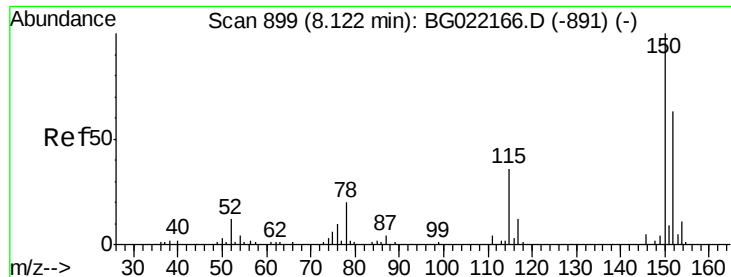
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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
ClientSampled :

Quant Time: Jun 09 19:23:31 2016
Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG060616.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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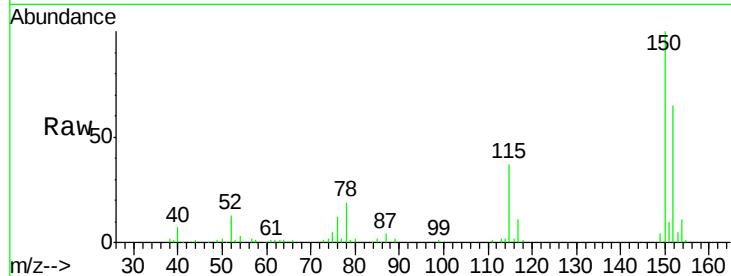


#1

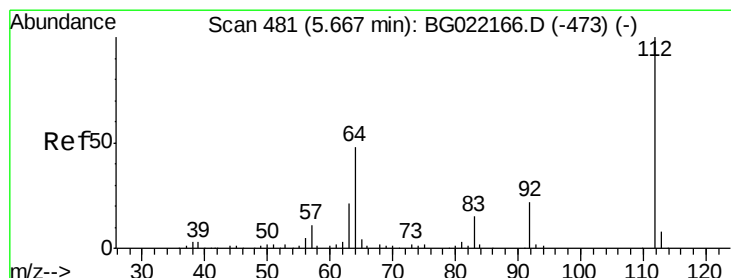
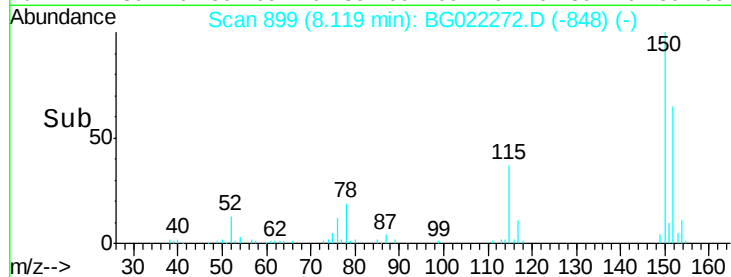
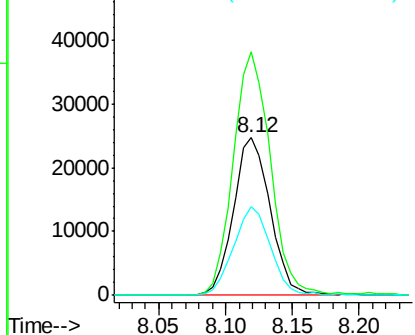
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 8.12 min Scan# 899
Delta R.T. -0.00 min
Lab File: BG022272.D
Acq: 9 Jun 2016 17:48

Instrument :
BNA_G
ClientSampleId :

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#



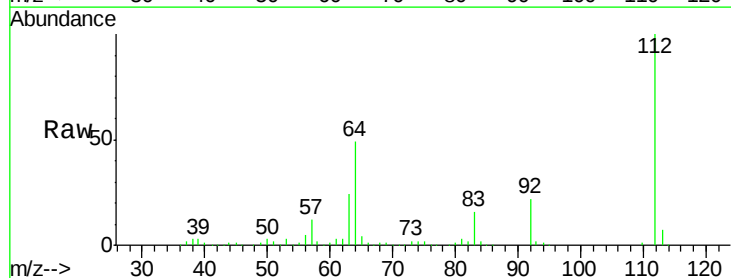
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



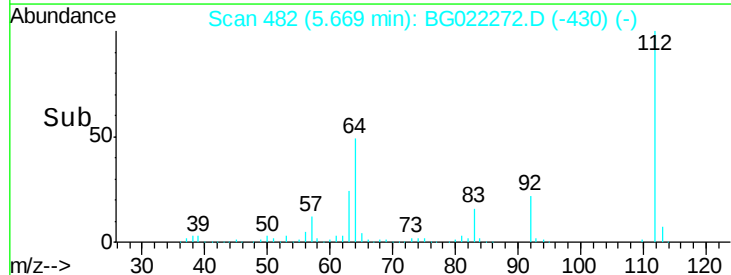
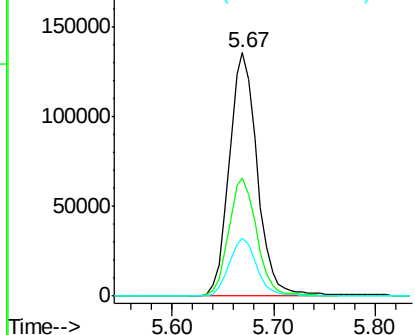
#5

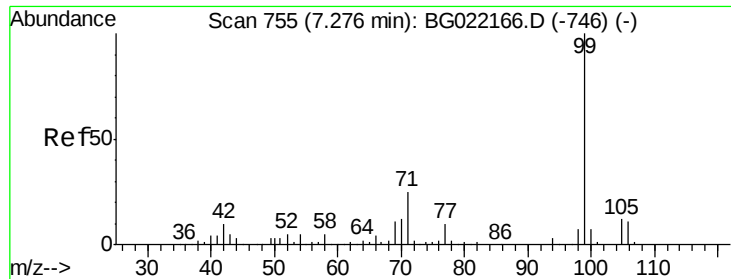
2-Fluorophenol
Concen: 106.59 ng
RT: 5.67 min Scan# 482
Delta R.T. 0.00 min
Lab File: BG022272.D
Acq: 9 Jun 2016 17:48

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

ClientSampled :

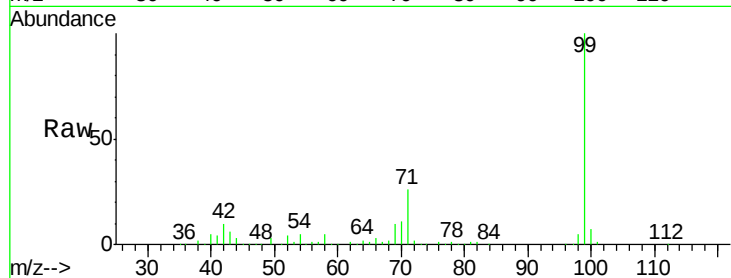
Tot Ion: 99 Resp: 379459

Ion Ratio Lower Upper

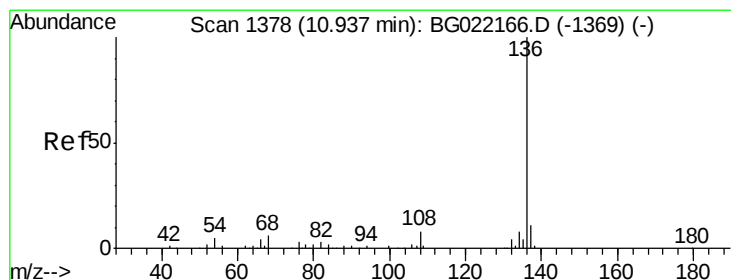
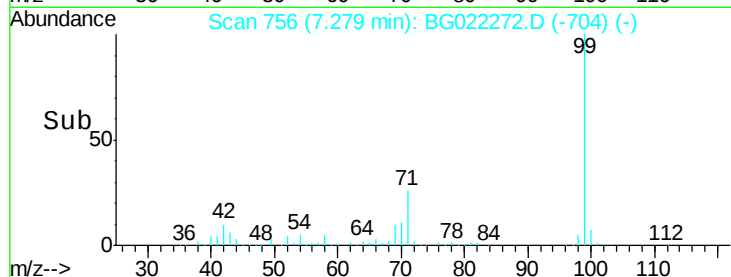
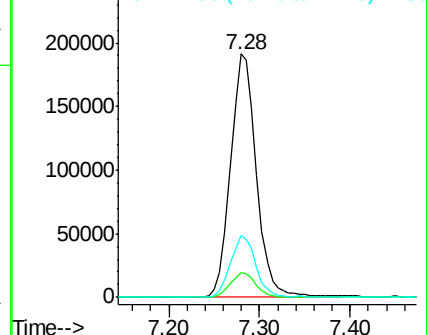
99 100

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

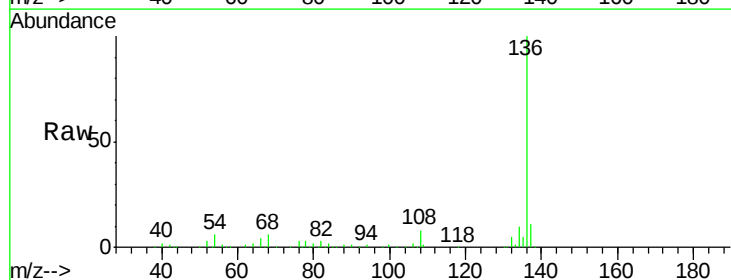
Ion Ratio Lower Upper

136 100

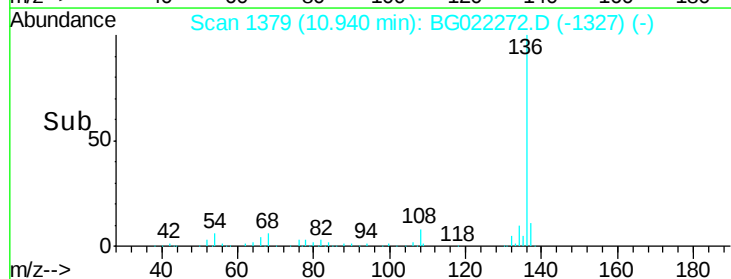
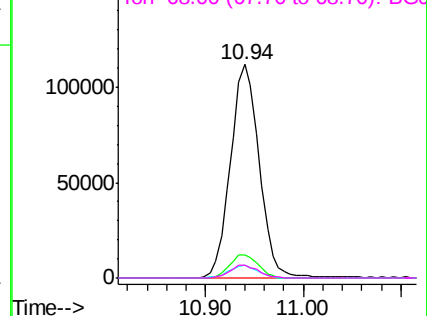
137 10.9 9.0 13.4

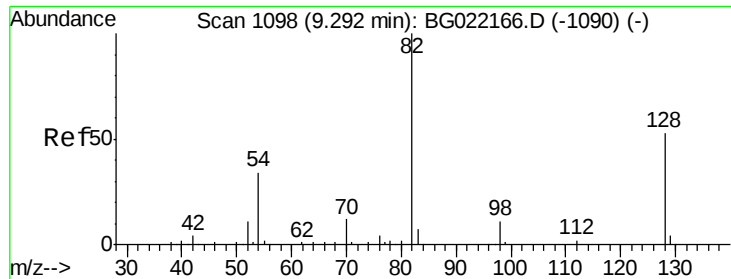
54 5.7 9.6 14.4#

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

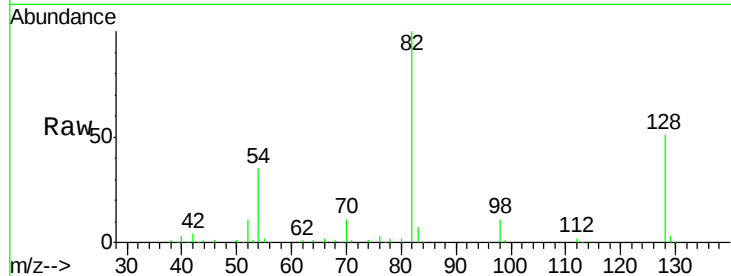




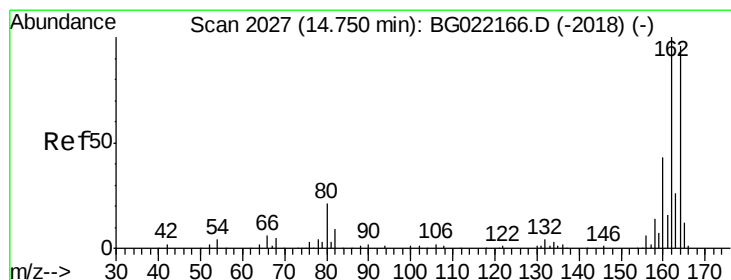
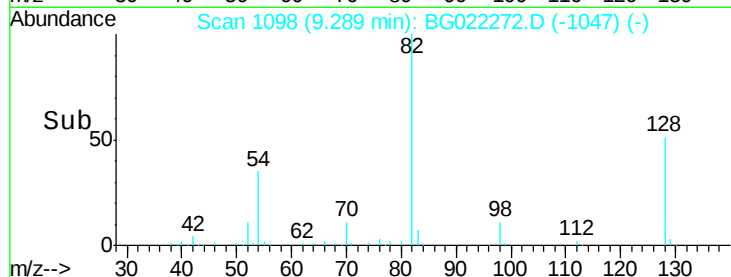
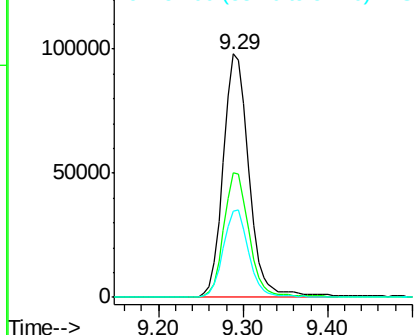
#23
Nitrobenzene-d5
Concen: 63.01 ng
RT: 9.29 min Scan# 1098
Delta R.T. -0.00 min
Lab File: BG022272.D
Acq: 9 Jun 2016 17:48

Instrument :
BNA_G
ClientSampled :

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

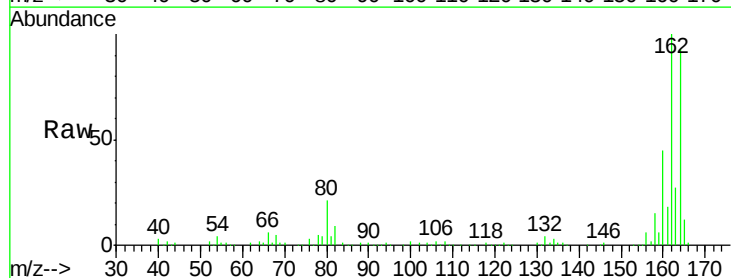


Abundance Ion 82.00 (81.70 to 82.70): BGC
Ion 128.00 (127.70 to 128.70): BGC
Ion 54.00 (53.70 to 54.70): BGC

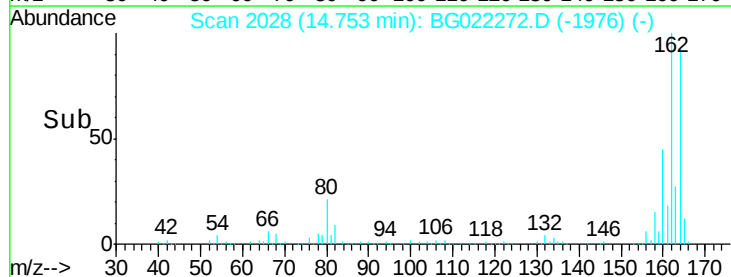
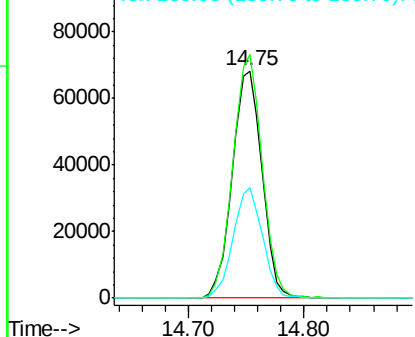


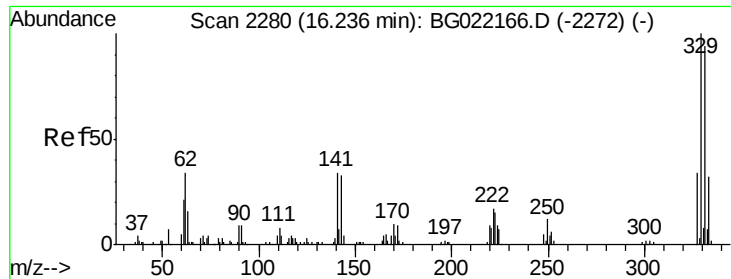
#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 14.75 min Scan# 2028
Delta R.T. 0.00 min
Lab File: BG022272.D
Acq: 9 Jun 2016 17:48

Tgt Ion:164 Resp: 121543
Ion Ratio Lower Upper
164 100
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

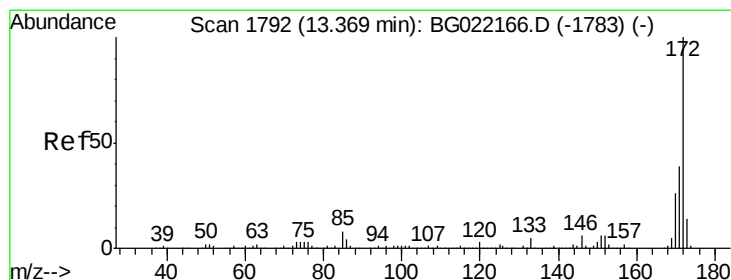
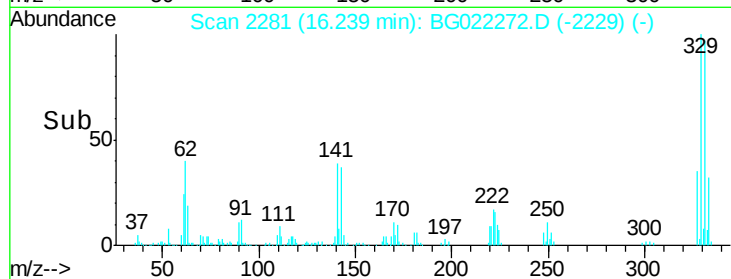
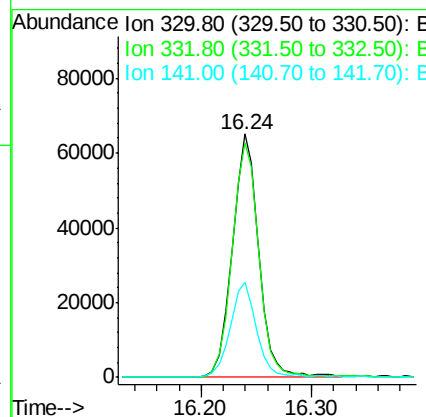
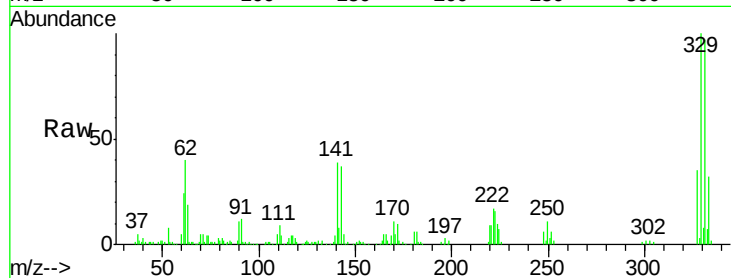




#41
 2,4,6-Tribromophenol
 Concen: 79.32 ng
 RT: 16.24 min Scan# 2281
 Delta R.T. 0.00 min
 Lab File: BG022272.D
 Acq: 9 Jun 2016 17:48

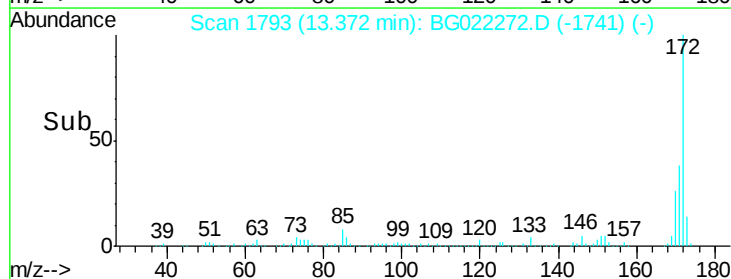
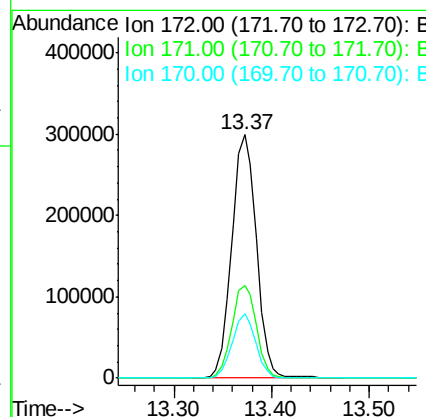
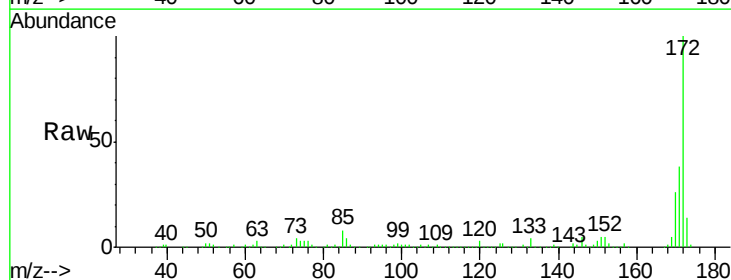
Instrument :
 BNA_G
 ClientSampleId :

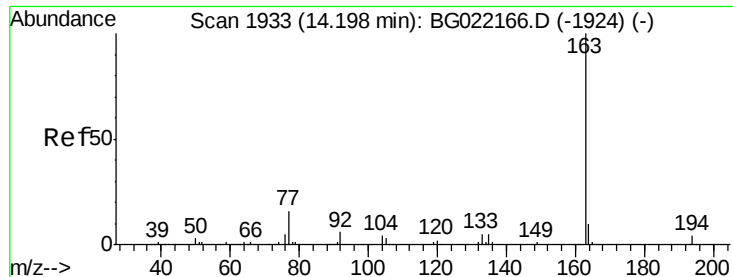
Tot Ion	330	332	141	Ratio	Lower	Upper
Resp:	108937					
Ion	100	97.0	39.1			
					78.0	50.8
					117.0	



#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	172	171	170	Ratio	Lower	Upper
Resp:	525304					
Ion	100	38.2	26.4			
					27.8	29.4
					41.6	





#49

Dimethylphthalate

Concen: 5.95 ng

RT: 14.19 min Scan# 1933

Delta R.T. -0.00 min

Lab File: BG022272.D

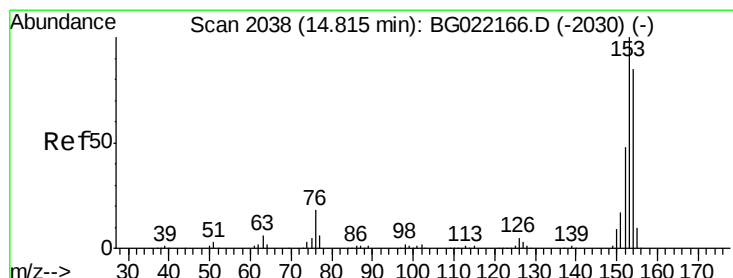
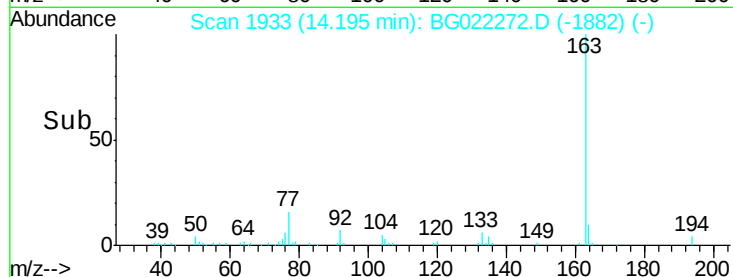
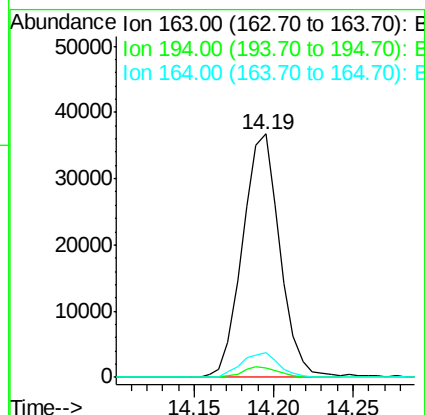
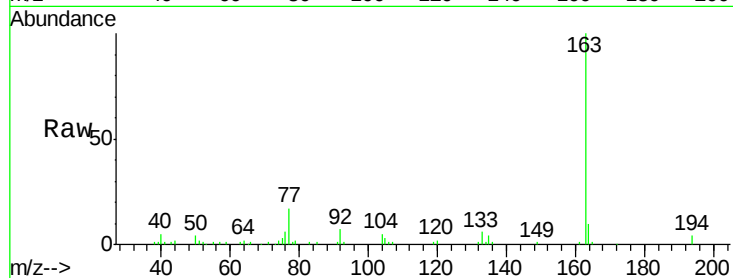
Acq: 9 Jun 2016 17:48

Instrument :

BNA_G

ClientSampled :

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



#51

Acenaphthene

Concen: 2.92 ng

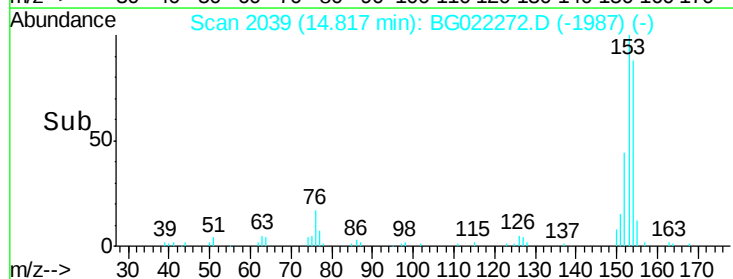
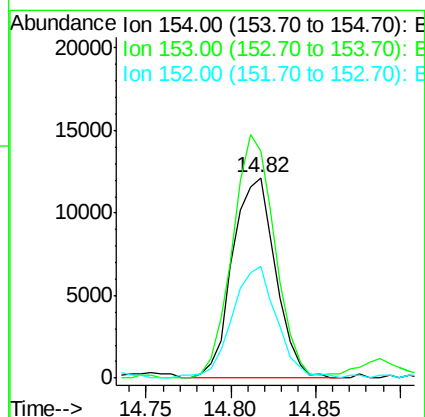
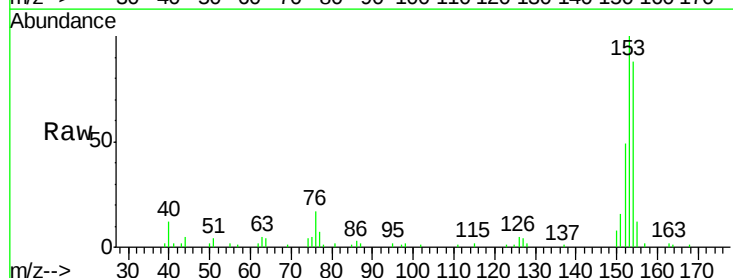
RT: 14.82 min Scan# 2039

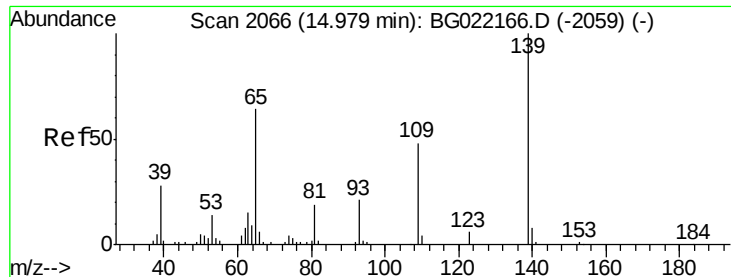
Delta R.T. 0.00 min

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

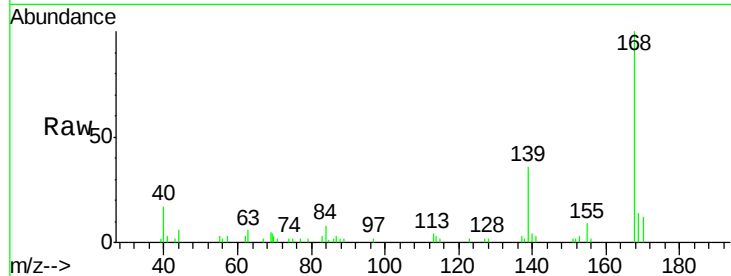




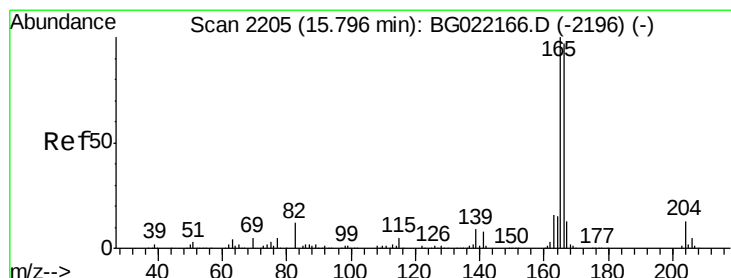
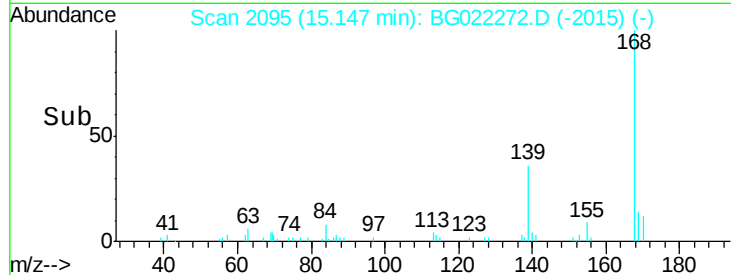
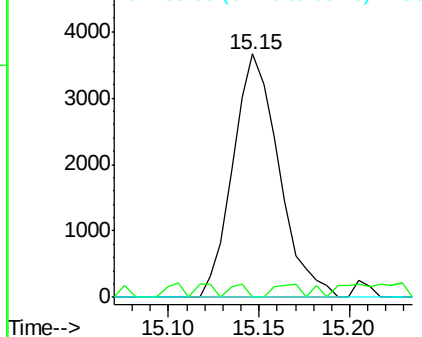
#55
 4-Nitrophenol
 Concen: 3.84 ng
 RT: 15.15 min Scan# 2095
 Delta R.T. 0.17 min
 Lab File: BG022272.D
 Acq: 9 Jun 2016 17:48

Instrument :
 BNA_G
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
139	100		
109	0.0	49.2	89.2#
65	0.0	83.2	123.2#

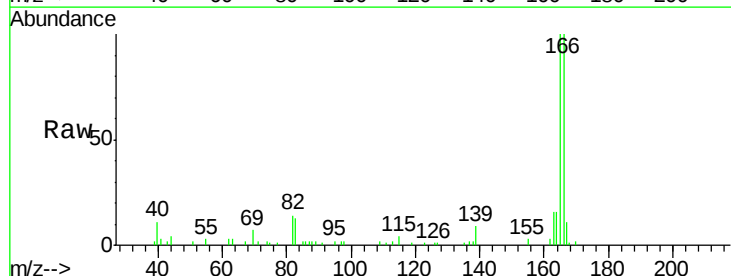


Abundance Ion 139.00 (138.70 to 139.70): E
 Ion 109.00 (108.70 to 109.70): E
 Ion 65.00 (64.70 to 65.70): BGC

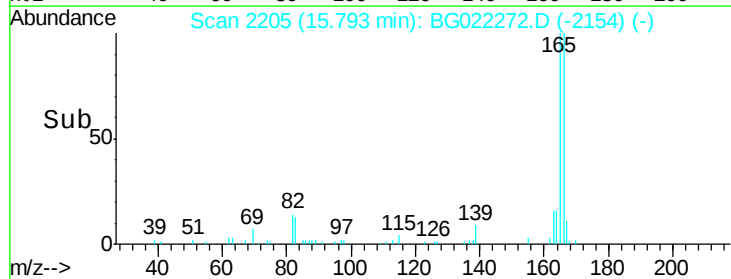
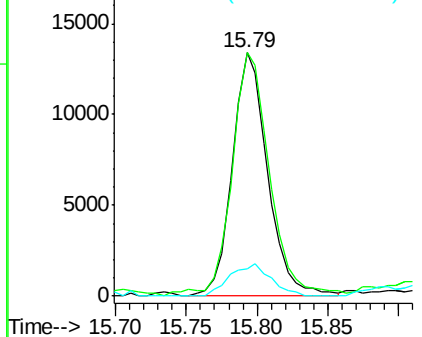


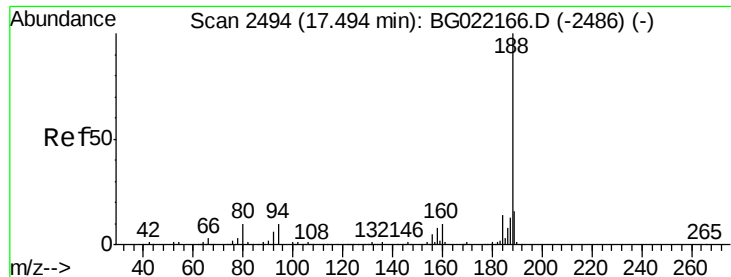
#57
 Fluorene
 Concen: 2.36 ng
 RT: 15.79 min Scan# 2205
 Delta R.T. -0.00 min
 Lab File: BG022272.D
 Acq: 9 Jun 2016 17:48

Tgt Ion	Ratio	Lower	Upper
166	100		
165	100.2	79.0	118.4
167	11.4	10.7	16.1



Abundance Ion 166.00 (165.70 to 166.70): E
 Ion 165.00 (164.70 to 165.70): E
 Ion 167.00 (166.70 to 167.70): E





#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

Instrument :

BNA_G

ClientSampleId :

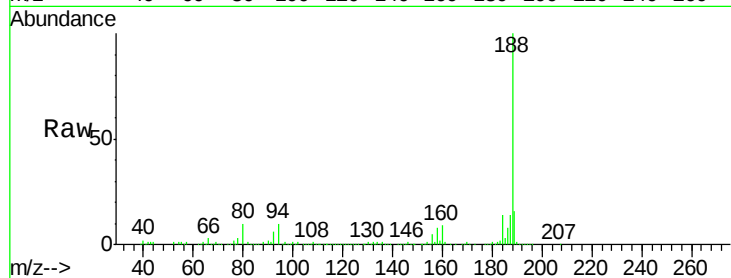
Tot Ion:188 Resp: 224477

Ion Ratio Lower Upper

188 100

94 9.9 7.5 11.3

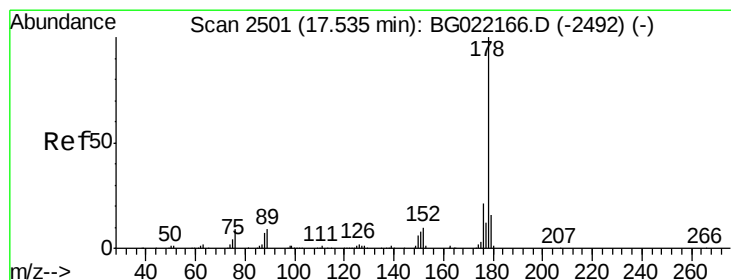
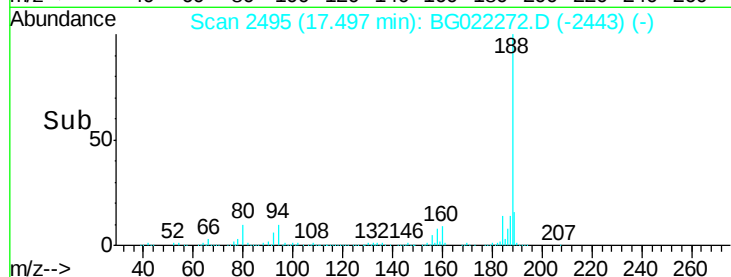
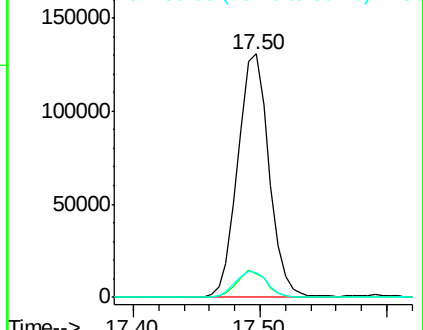
80 10.4 8.6 13.0



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC



#70

Phenanthrene

Concen: 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

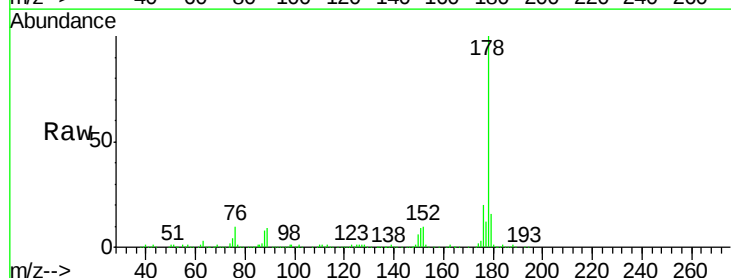
Tgt Ion:178 Resp: 349765

Ion Ratio Lower Upper

178 100

176 20.2 16.2 24.4

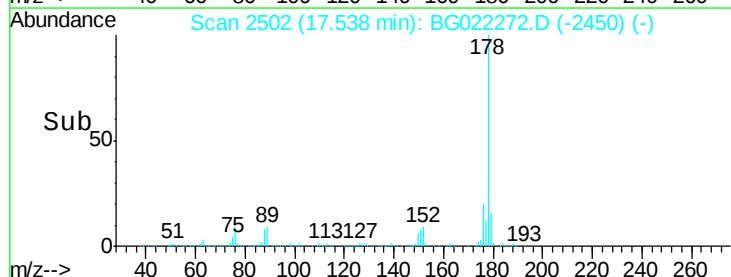
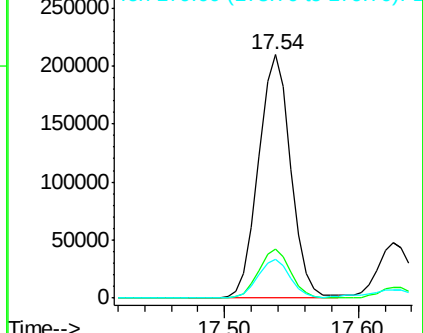
179 15.8 12.0 18.0

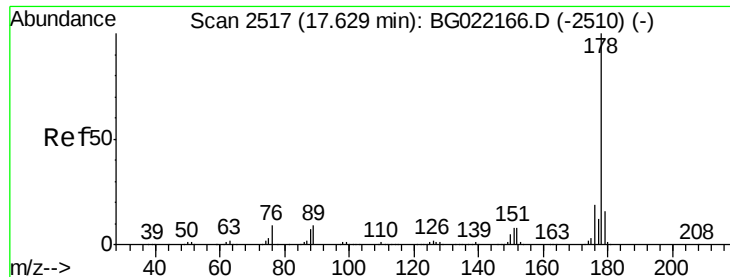


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

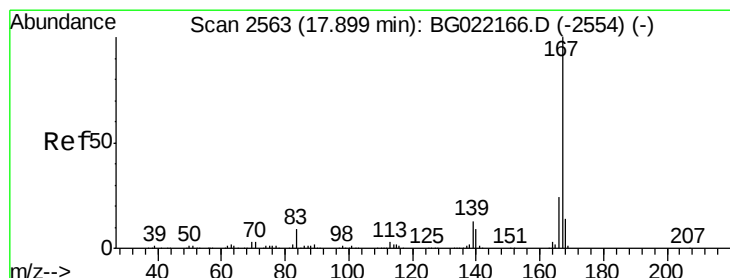
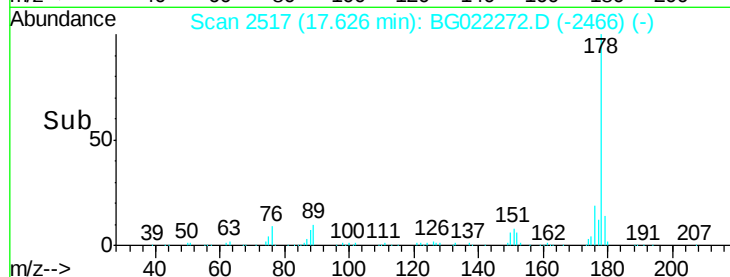
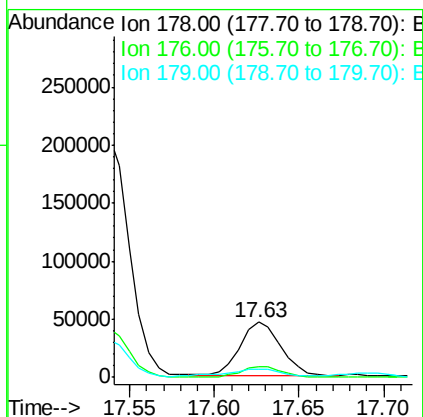
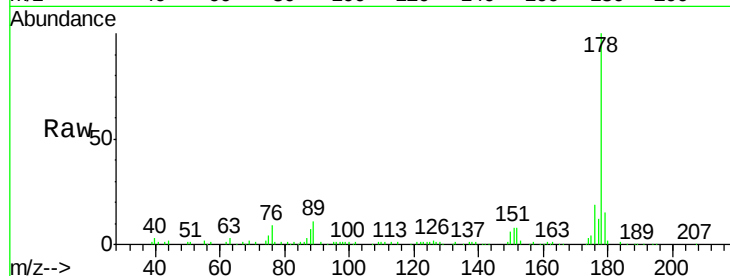




#71
 Anthracene
 Concen: 6.45 ng
 RT: 17.63 min Scan# 2517
 Delta R.T. -0.00 min
 Lab File: BG022272.D
 Acq: 9 Jun 2016 17:48

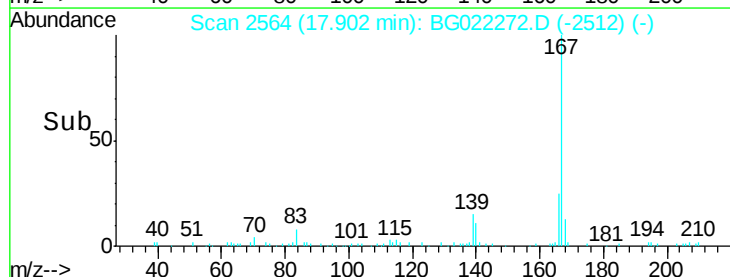
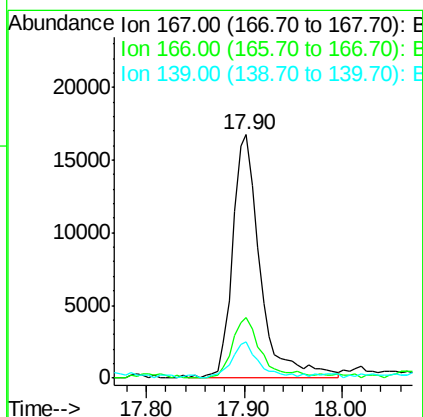
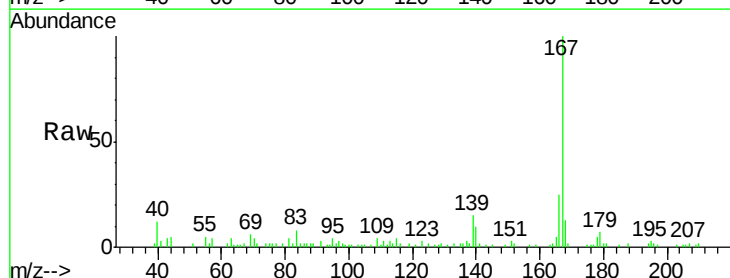
Instrument :
 BNA_G
 ClientSampleId :

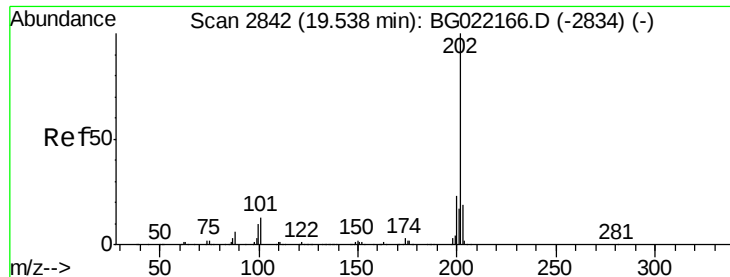
Tot Ion:178 Resp: 78042
 Ion Ratio Lower Upper
 178 100
 176 19.0 15.0 22.4
 179 14.8 12.2 18.4



#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

Tgt Ion:167 Resp: 33066
 Ion Ratio Lower Upper
 167 100
 166 24.8 18.6 27.8
 139 14.8 10.6 15.8





#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

Instrument :

BNA_G

ClientSampleId :

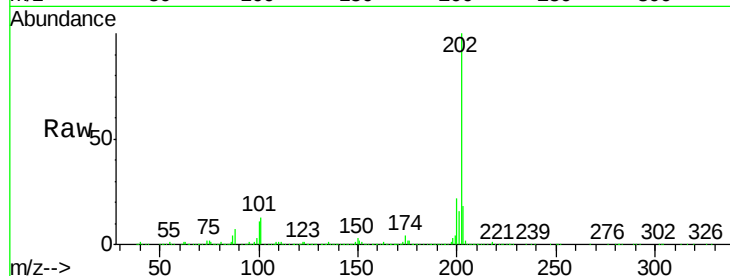
Tot Ion:202 Resp: 479449

Ion Ratio Lower Upper

202 100

101 12.9 0.0 31.0

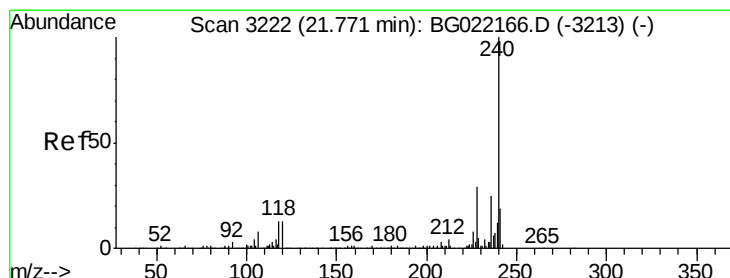
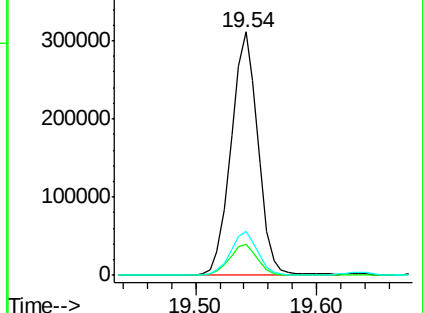
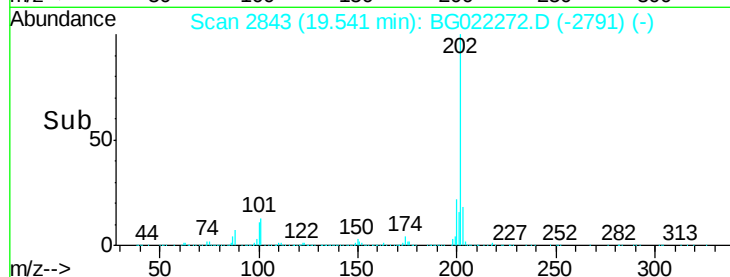
203 18.1 0.0 37.9



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

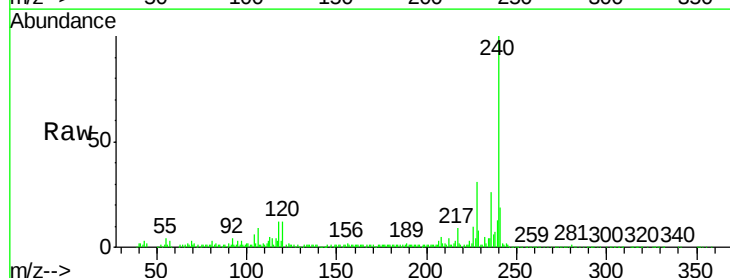
Tgt Ion:240 Resp: 186612

Ion Ratio Lower Upper

240 100

120 12.5 8.4 12.6

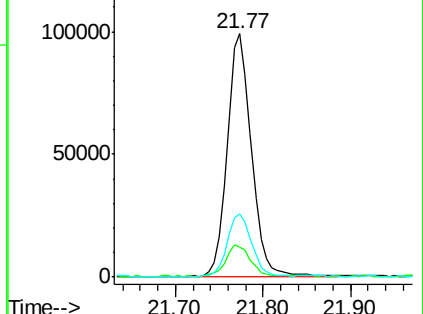
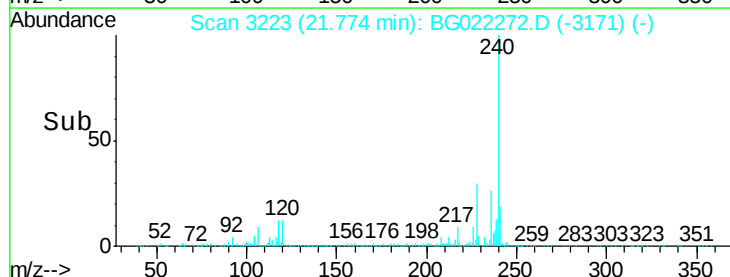
236 26.0 19.6 29.4

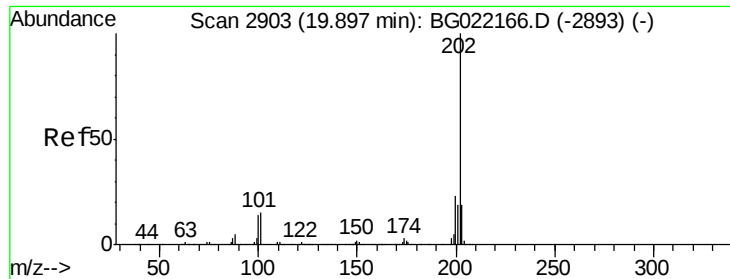


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

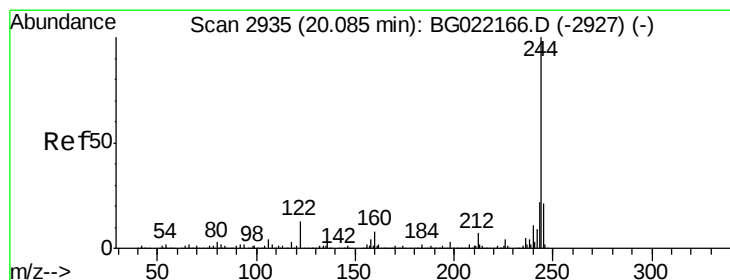
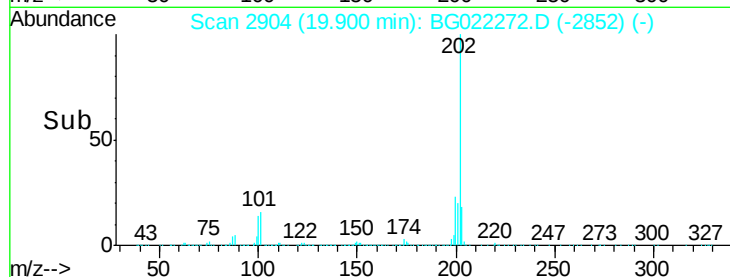
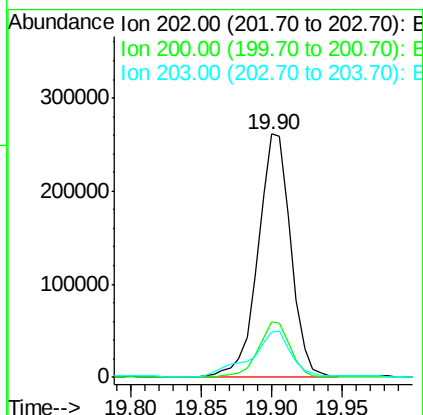
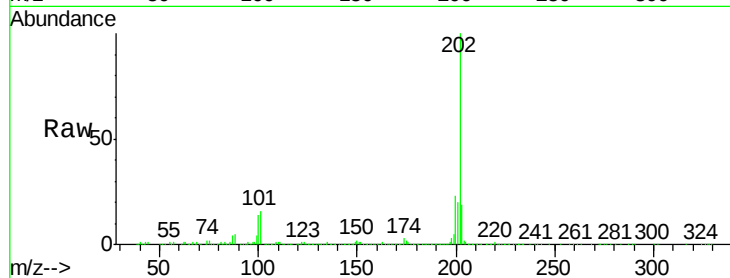




#77
Pvrene
Concen: 36.65 ng
RT: 19.90 min Scan# 2904
Delta R.T. 0.00 min
Lab File: BG022272.D
Acq: 9 Jun 2016 17:48

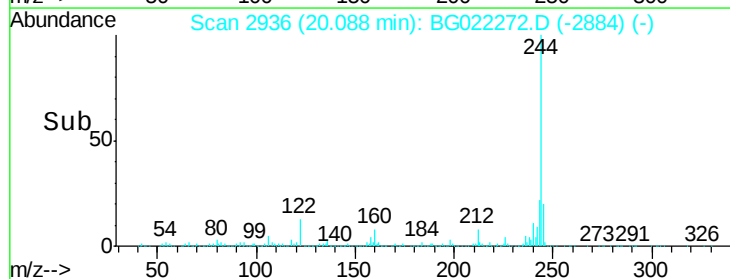
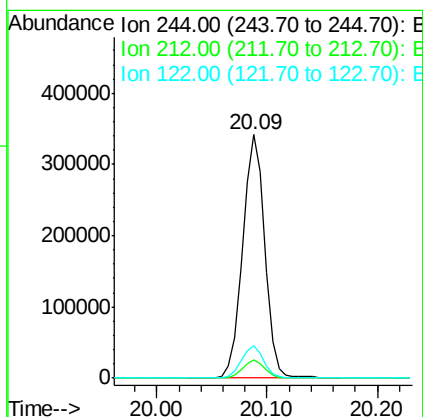
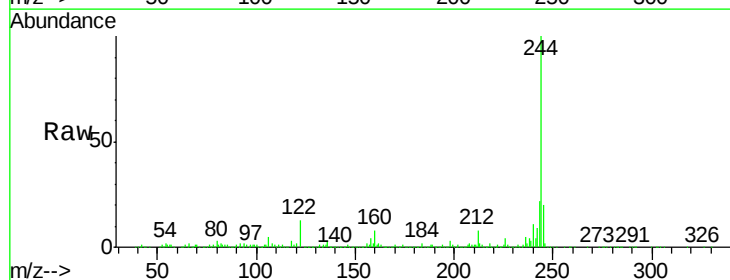
Instrument :
BNA_G
ClientSampleId :

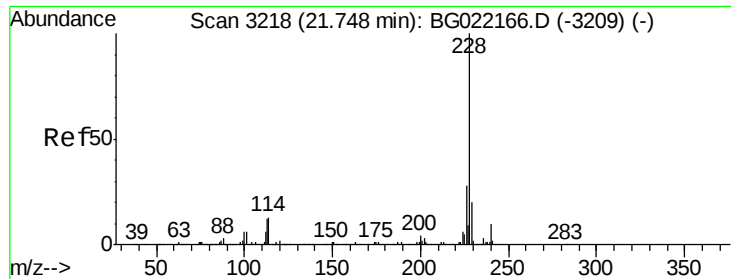
Tot Ion	Ratio	Lower	Upper
202	100		
200	22.6	18.2	27.2
203	18.6	15.0	22.4



#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

Tgt Ion	Ratio	Lower	Upper
244	100		
212	7.5	6.5	9.7
122	13.2	8.6	12.8#

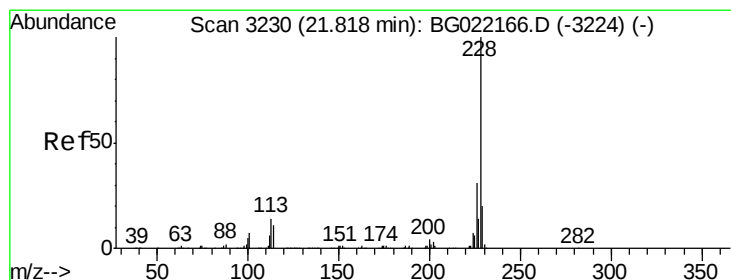
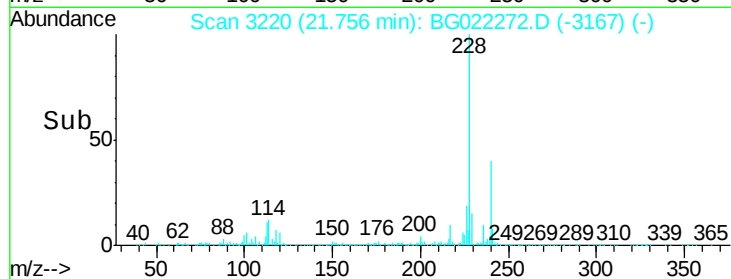
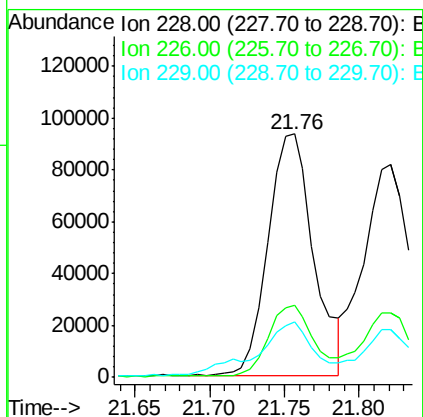
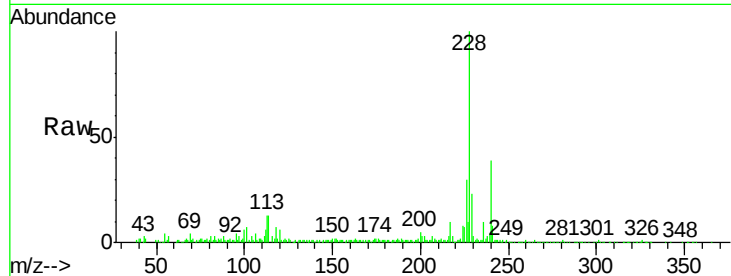




#80
Benzo(a)anthracene
Concen: 18.94 ng
RT: 21.76 min Scan# 3220
Delta R.T. 0.01 min
Lab File: BG022272.D
Acq: 9 Jun 2016 17:48

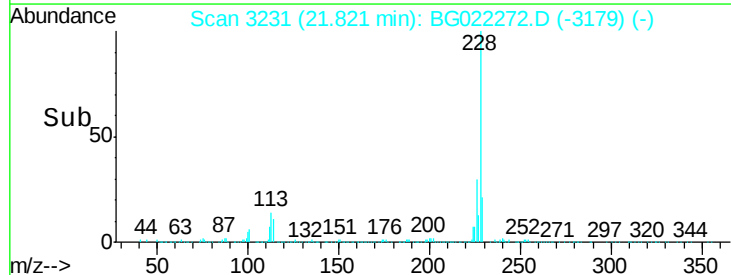
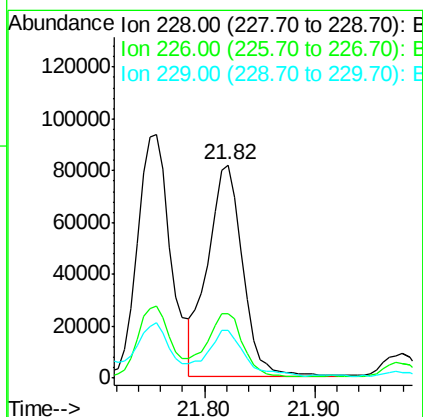
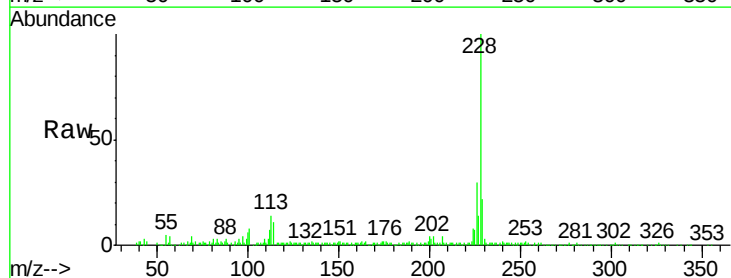
Instrument :
BNA_G
ClientSampleId :

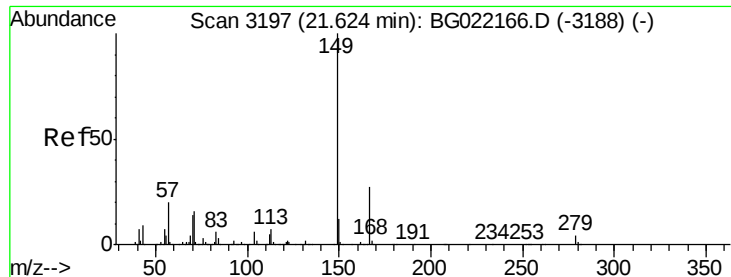
Tot Ion:228 Resp: 198174
Ion Ratio Lower Upper
228 100
226 29.6 22.6 34.0
229 22.8 16.1 24.1



#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

Tgt Ion:228 Resp: 179127
Ion Ratio Lower Upper
228 100
226 30.2 25.4 38.0
229 22.3 15.9 23.9

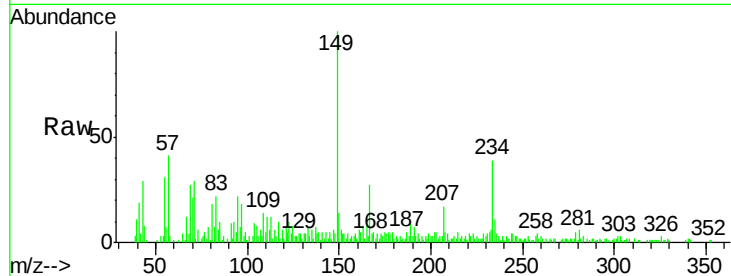




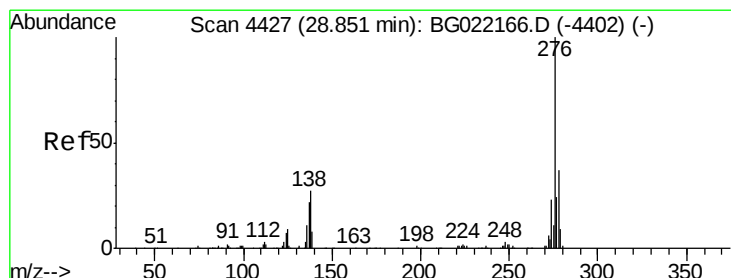
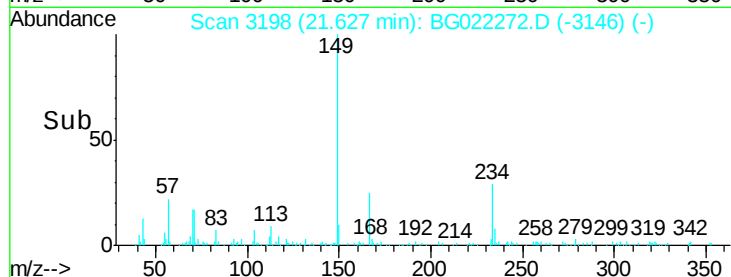
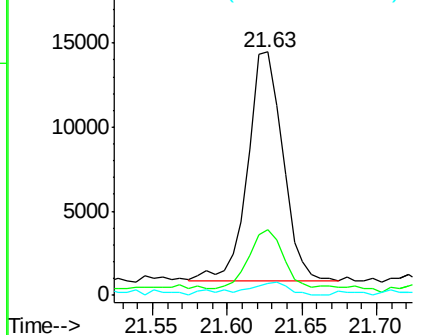
#83
 Bis(2-ethylhexyl)phthalate
 Concen: 2.78 ng
 RT: 21.63 min Scan# 3198
 Delta R.T. 0.00 min
 Lab File: BG022272.D
 Acq: 9 Jun 2016 17:48

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:149 Resp: 21962
 Ion Ratio Lower Upper
 149 100
 167 26.9 22.4 33.6
 279 4.7 3.2 4.8

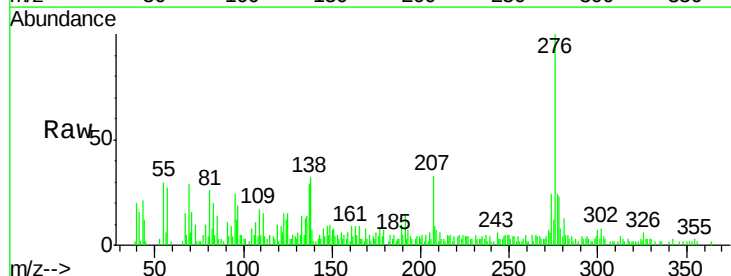


Abundance Ion 149.00 (148.70 to 149.70): E
 Ion 167.00 (166.70 to 167.70): E
 Ion 279.00 (278.70 to 279.70): E

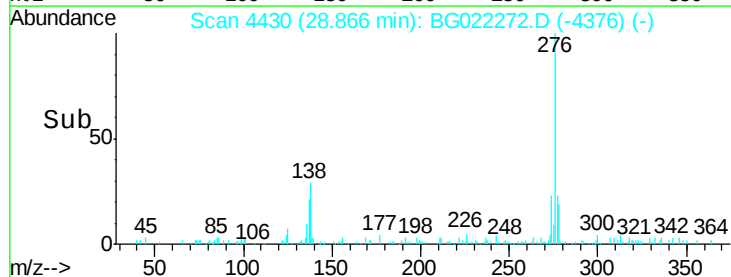
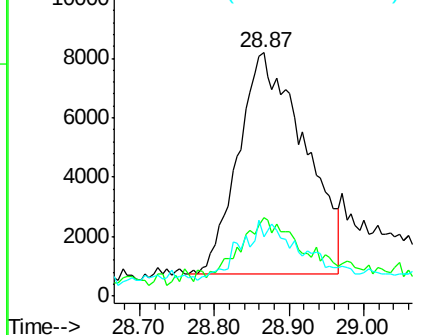


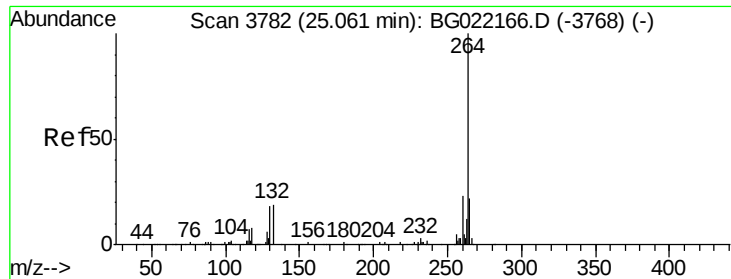
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 4.01 ng
 RT: 28.87 min Scan# 4430
 Delta R.T. 0.01 min
 Lab File: BG022272.D
 Acq: 9 Jun 2016 17:48

Tgt Ion:276 Resp: 45828
 Ion Ratio Lower Upper
 276 100
 138 21.0 14.0 21.0
 277 1.1 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



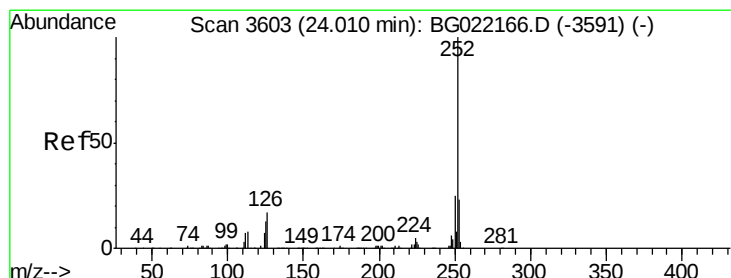
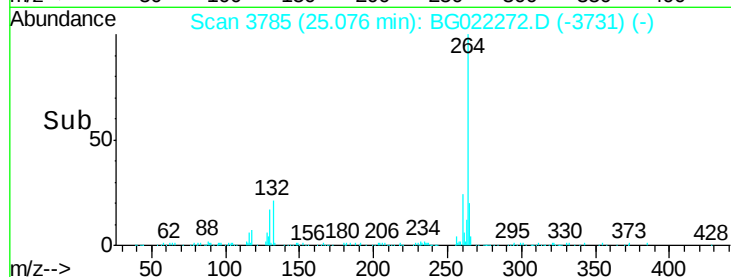
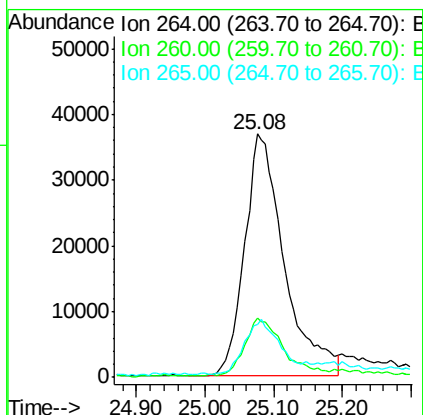
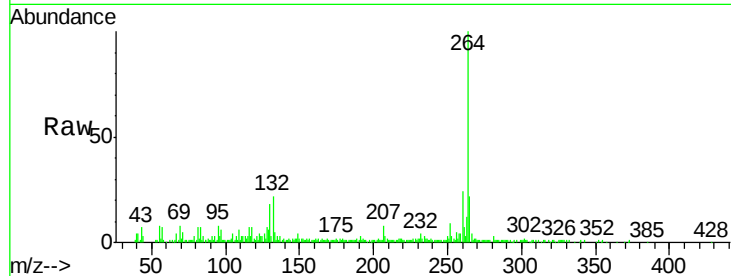


#86
Pervlene-d12
Concen: 20.00 ng
RT: 25.08 min Scan# 3785
Delta R.T. 0.01 min
Lab File: BG022272.D
Acq: 9 Jun 2016 17:48

Instrument :
BNA_G
ClientSampled :

Tot Ion:264 Resp: 148728

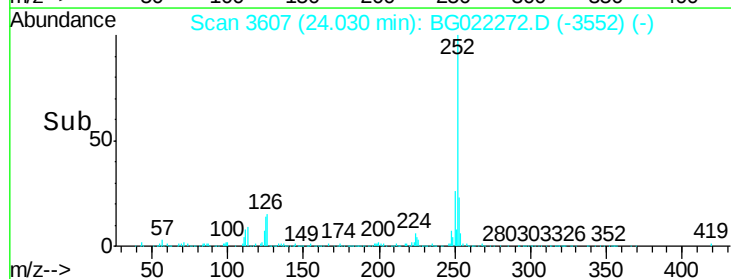
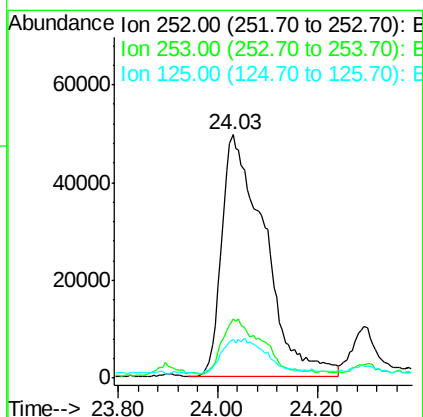
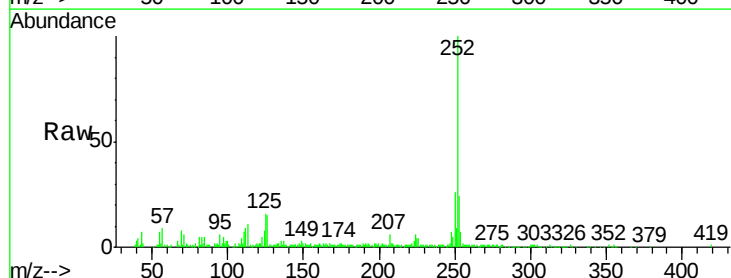
Ion	Ratio	Lower	Upper
264	100		
260	24.1	20.2	30.4
265	21.5	17.8	26.8

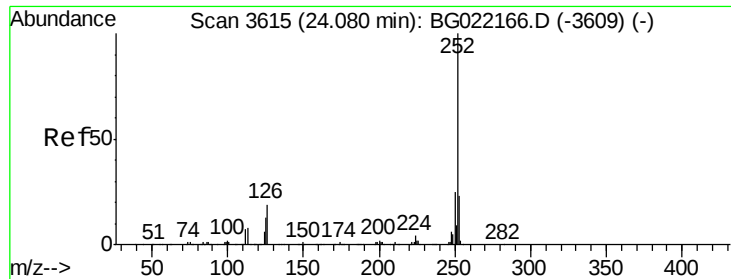


#87
Benzo(b)fluoranthene
Concen: 34.14 ng
RT: 24.03 min Scan# 3607
Delta R.T. 0.02 min
Lab File: BG022272.D
Acq: 9 Jun 2016 17:48

Tgt Ion:252 Resp: 296097

Ion	Ratio	Lower	Upper
252	100		
253	24.2	17.5	26.3
125	15.9	8.6	13.0#

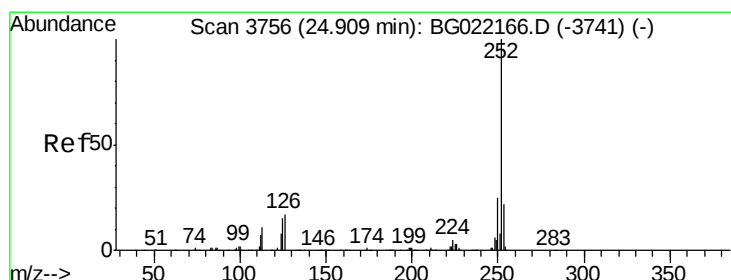
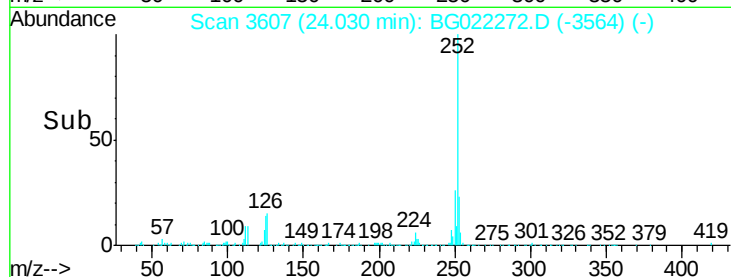
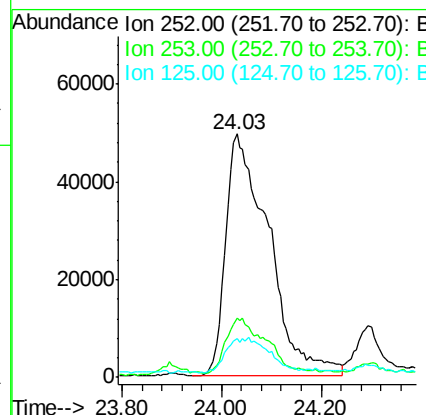
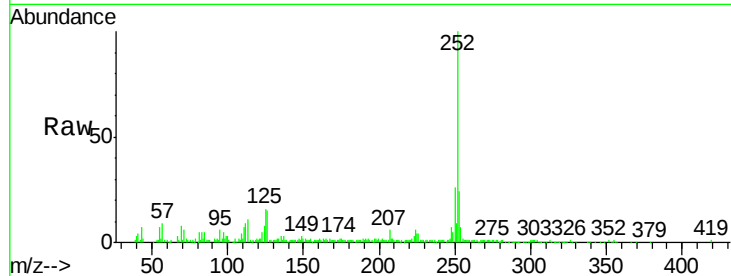




#88
Benzo(k)fluoranthene
Concen: 34.68 ng
RT: 24.03 min Scan# 3607
Delta R.T. -0.05 min
Lab File: BG022272.D
Acq: 9 Jun 2016 17:48

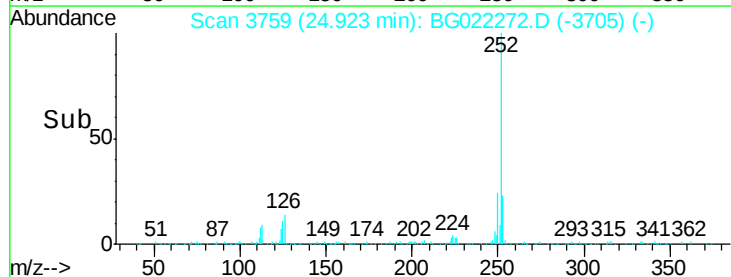
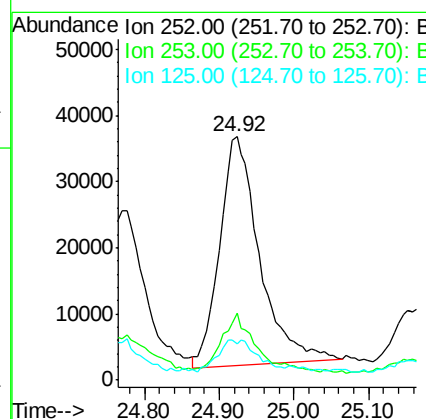
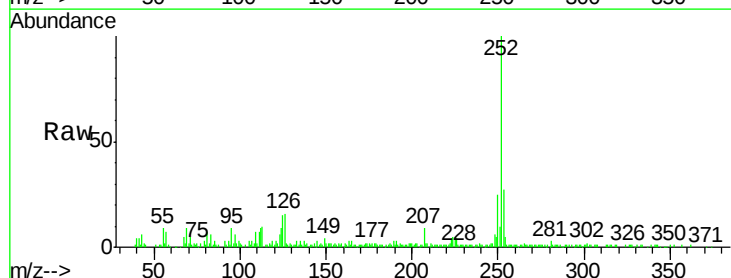
Instrument :
BNA_G
ClientSampleId :

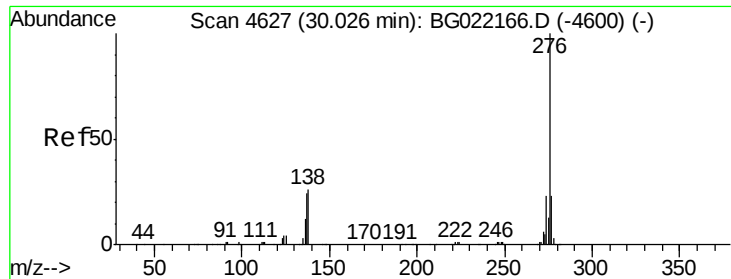
Tot Ion:252 Resp: 296097
Ion Ratio Lower Upper
252 100
253 24.2 17.8 26.8
125 15.9 8.3 12.5#



#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

Tgt Ion:252 Resp: 128116
Ion Ratio Lower Upper
252 100
253 27.4 17.1 25.7#
125 14.7 9.6 14.4#





#91
 Benzo(a,h,i)perylene
 Concen: 4.39 ng
 RT: 30.06 min Scan# 4634
 Delta R.T. 0.04 min
 Lab File: BG022272.D
 Acq: 9 Jun 2016 17:48

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
276	100		
277	30.9	19.4	29.2#
138	29.6	17.4	26.0#

