

Data Path : Z:\HPCHEM1\BNA G\DATA\BG061616\
 Data File : BG022378.D
 Acq On : 16 Jun 2016 22:58
 Operator : UM/SJ
 Sample : H3569-14
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SB-06-COMP

Quant Time: Jun 17 03:44:12 2016
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG060616.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jun 13 17:40:23 2016
 Response via : Initial Calibration

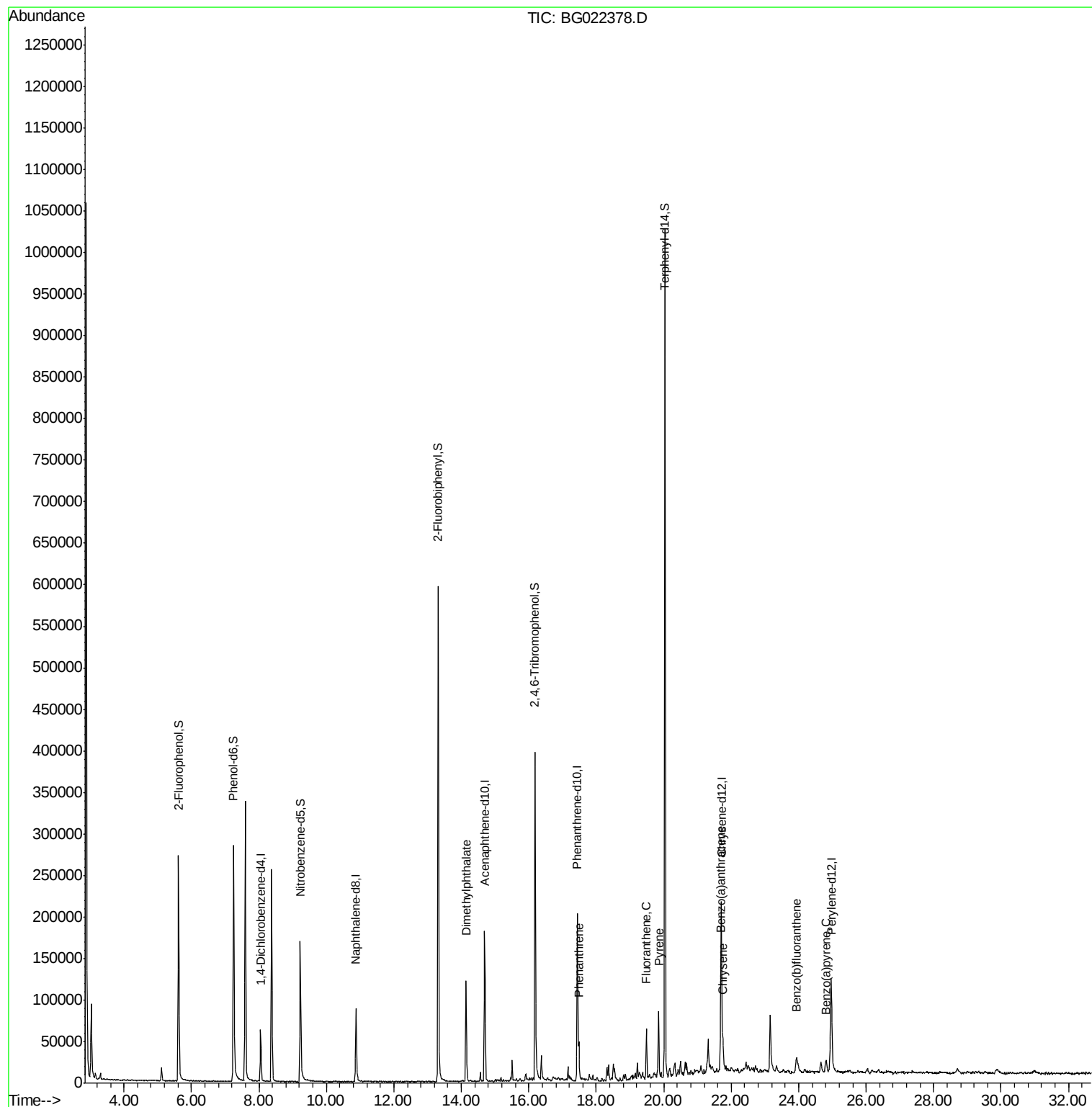
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.05	152	22622	20.00	ng	-0.04
21) Naphthalene-d8	10.88	136	115155	20.00	ng	-0.03
38) Acenaphthene-d10	14.69	164	72075	20.00	ng	-0.03
63) Phenanthrene-d10	17.44	188	150870	20.00	ng	-0.03
75) Chrysene-d12	21.71	240	131236	20.00	ng	-0.03
86) Perylene-d12	24.97	264	123281	20.00	ng	-0.04
System Monitoring Compounds						
5) 2-Fluorophenol	5.62	112	185871	158.86	ng	-0.01
7) Phenol-d6	7.25	99	271751	147.72	ng	0.00
23) Nitrobenzene-d5	9.23	82	154585	93.59	ng	-0.03
41) 2,4,6-Tribromophenol	16.19	330	87066	106.91	ng	-0.03
44) 2-Fluorobiphenyl	13.32	172	394006	83.31	ng	-0.03
78) Terphenyl-d14	20.03	244	455453	82.39	ng	-0.03
Target Compounds						Qvalue
49) Dimethylphthalate	14.14	163	115219	19.28	ng	100
70) Phenanthrene	17.48	178	29803	3.64	ng	# 96
74) Fluoranthene	19.49	202	39859	4.23	ng	98
77) Pyrene	19.85	202	55190	6.76	ng	99
80) Benzo(a)anthracene	21.68	228	21648	2.94	ng	97
82) Chrysene	21.75	228	23602	3.30	ng	96
87) Benzo(b)fluoranthene	23.93	252	21332	2.97	ng	# 91
89) Benzo(a)pyrene	24.81	252	17977	2.61	ng	# 91

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

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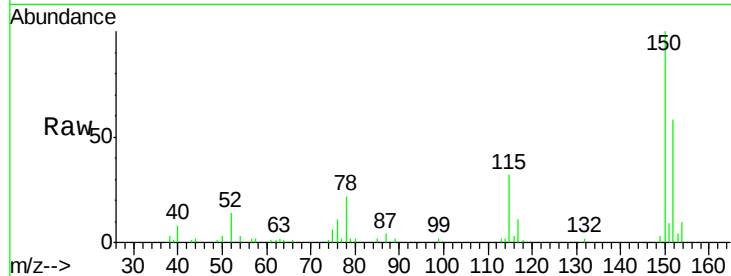


#1

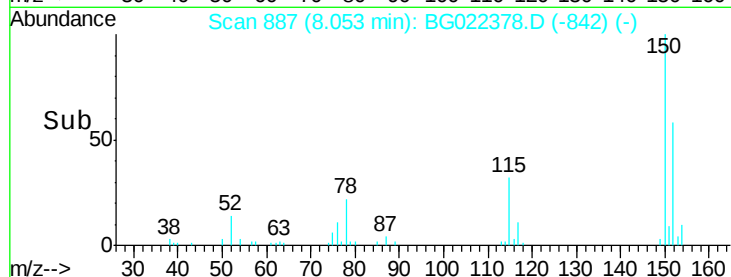
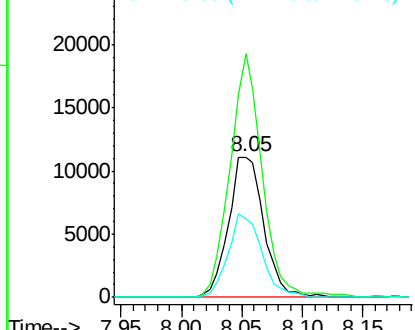
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 8.05 min Scan# 887
Delta R.T. -0.04 min
Lab File: BG022378.D
Acq: 16 Jun 2016 22:58

Instrument :
BNA_G
ClientSampleId :
SB-06-COMP

Tot Ion:152 Resp: 22622
Ion Ratio Lower Upper
152 100
150 173.4 130.1 195.1
115 56.1 62.2 93.2#



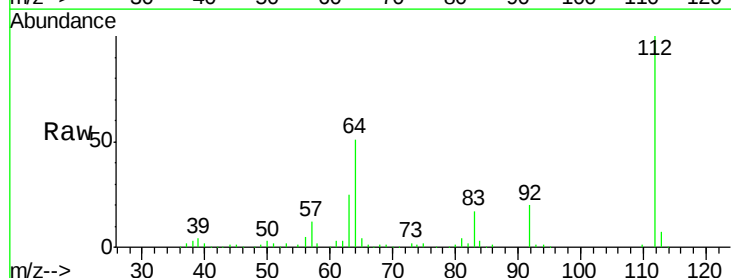
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



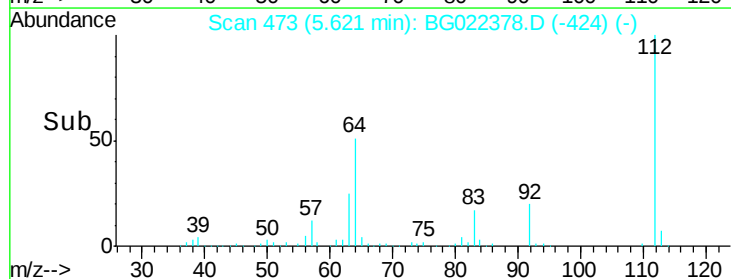
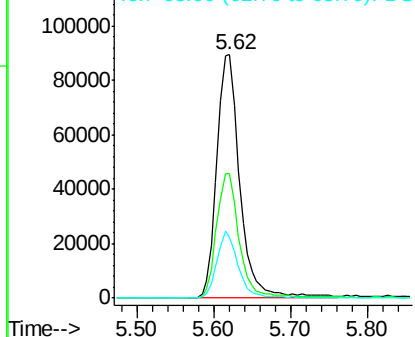
#5

2-Fluorophenol
Concen: 158.86 ng
RT: 5.62 min Scan# 473
Delta R.T. -0.01 min
Lab File: BG022378.D
Acq: 16 Jun 2016 22:58

Tgt Ion:112 Resp: 185871
Ion Ratio Lower Upper
112 100
64 51.0 51.1 76.7#
63 24.9 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: 147.72 ng

RT: 7.25 min Scan# 750

Delta R.T. -0.00 min

Lab File: BG022378.D

Acq: 16 Jun 2016 22:58

Instrument :

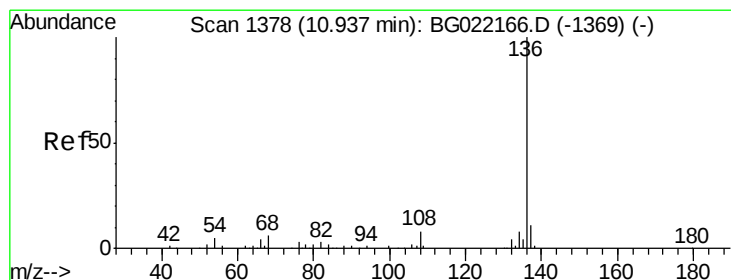
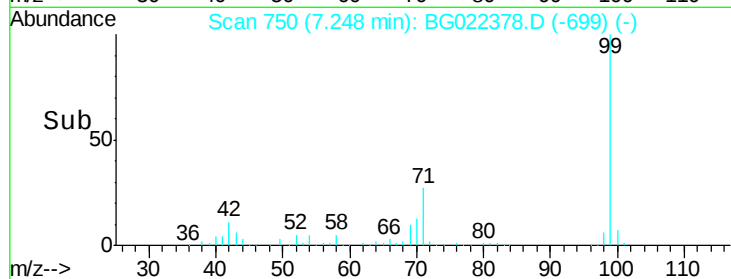
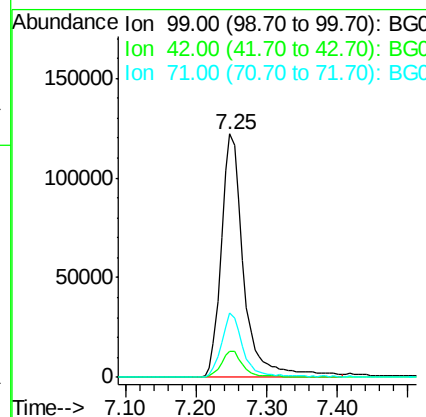
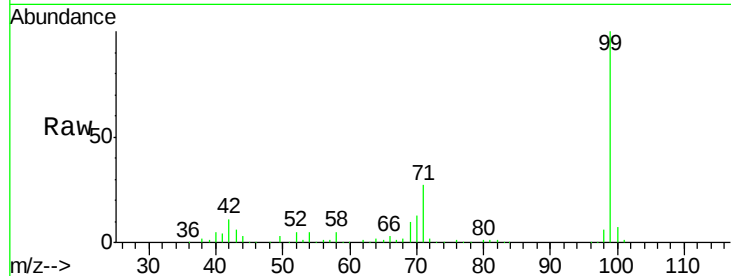
BNA_G

ClientSampleId :

SB-06-COMP

Tot Ion: 99 Resp: 271751

Ion	Ratio	Lower	Upper
99	100		
42	10.7	16.4	24.6#
71	26.6	25.0	37.4



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 10.88 min Scan# 1368

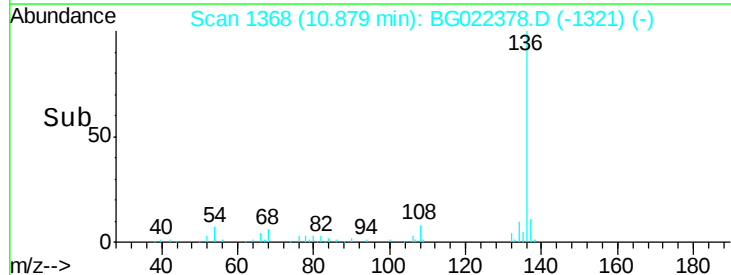
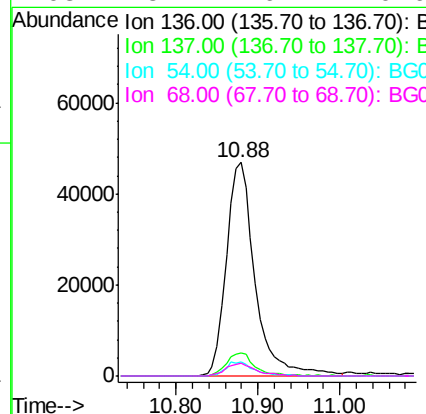
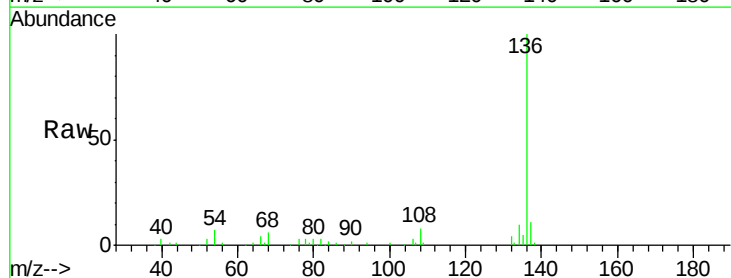
Delta R.T. -0.03 min

Lab File: BG022378.D

Acq: 16 Jun 2016 22:58

Tgt Ion: 136 Resp: 115155

Ion	Ratio	Lower	Upper
136	100		
137	10.8	9.0	13.4
54	6.5	9.6	14.4#
68	5.7	6.4	9.6#

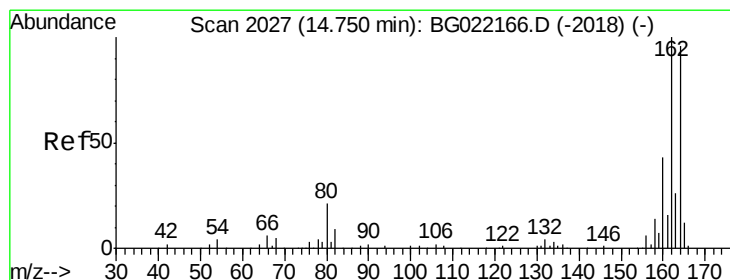
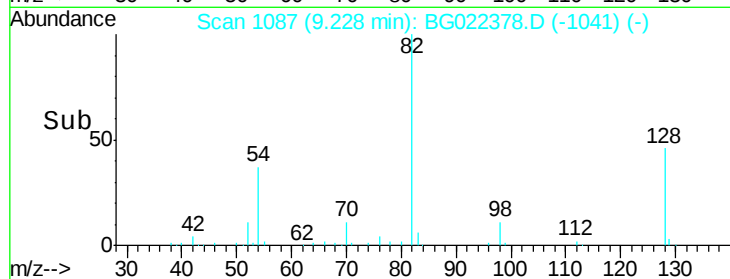
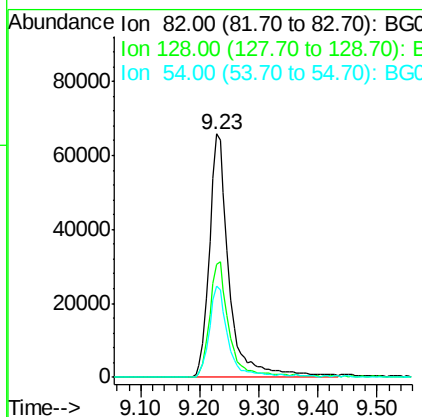
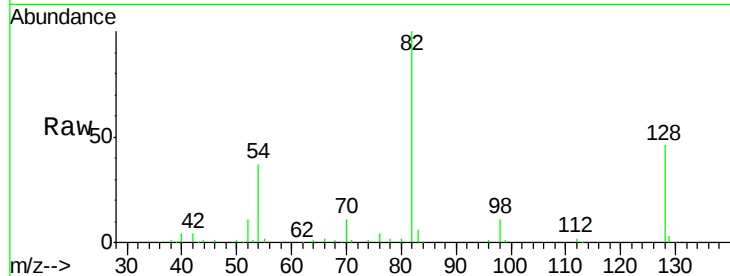




#23
 Nitrobenzene-d5
 Concen: 93.59 ng
 RT: 9.23 min Scan# 1087
 Delta R.T. -0.03 min
 Lab File: BG022378.D
 Acq: 16 Jun 2016 22:58

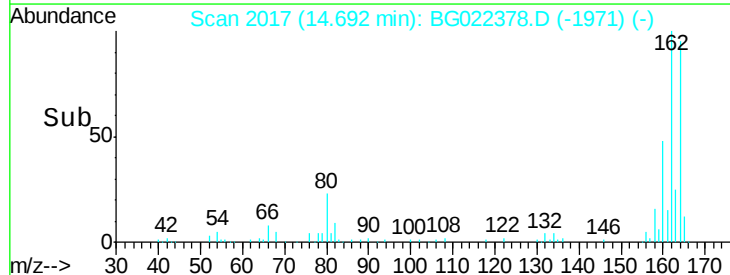
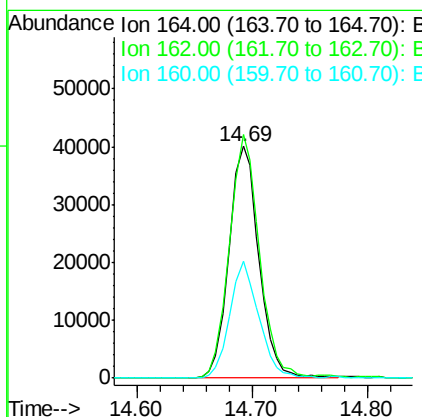
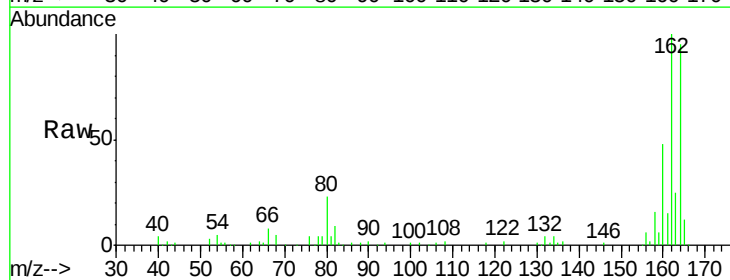
Instrument :
 BNA_G
 ClientSampleId :
 SB-06-COMP

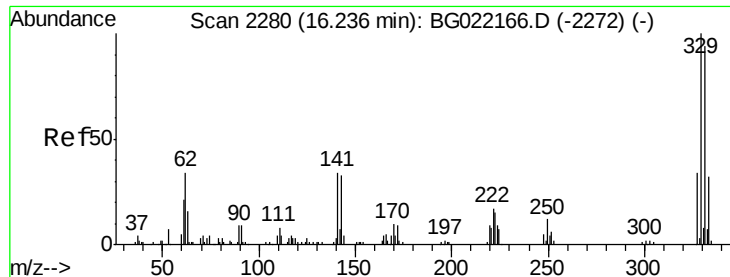
Tot Ion	82	Resp	154585
Ion Ratio	Lower	Upper	
82	100		
128	46.4	33.4	50.0
54	37.3	46.1	69.1#



#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 14.69 min Scan# 2017
 Delta R.T. -0.03 min
 Lab File: BG022378.D
 Acq: 16 Jun 2016 22:58

Tgt Ion	164	Resp	72075
Ion Ratio	Lower	Upper	
164	100		
162	105.1	78.0	117.0
160	50.3	32.9	49.3#

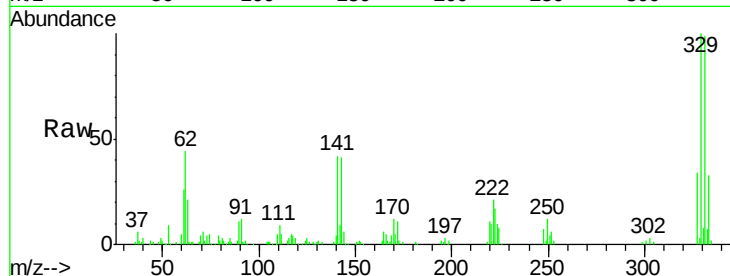




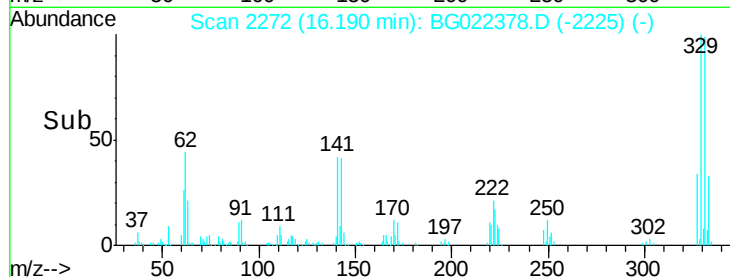
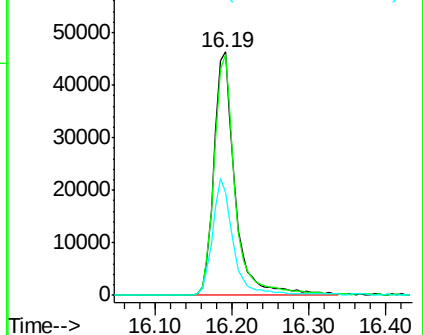
#41
 2,4,6-Tribromophenol
 Concen: 106.91 ng
 RT: 16.19 min Scan# 2272
 Delta R.T. -0.03 min
 Lab File: BG022378.D
 Acq: 16 Jun 2016 22:58

Instrument :
 BNA_G
 ClientSampleId :
 SB-06-COMP

Tot Ion:330 Resp: 87066
 Ion Ratio Lower Upper
 330 100
 332 99.5 78.0 117.0
 141 47.0 33.8 50.8

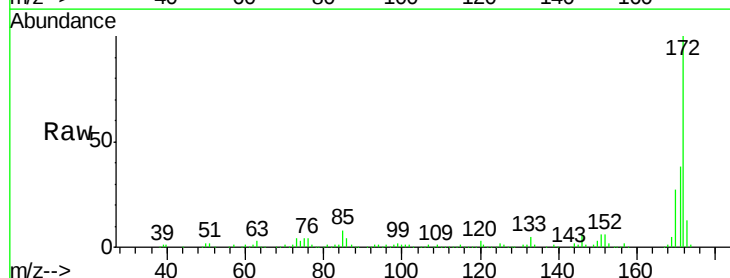


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

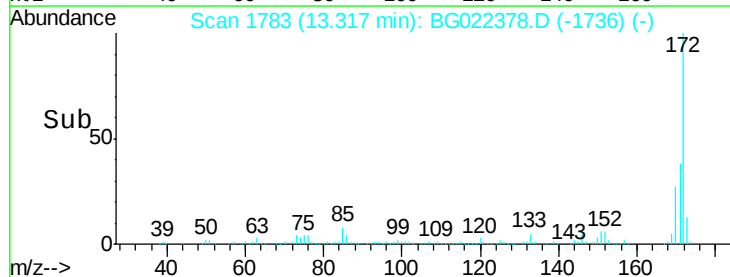
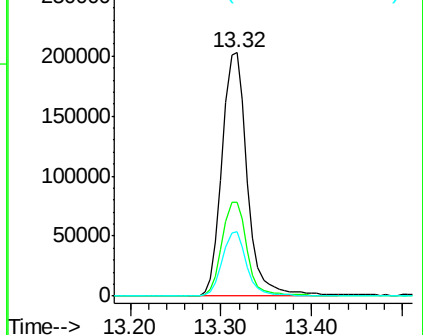


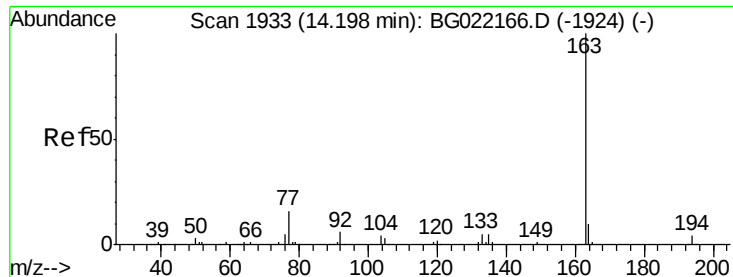
#44
 2-Fluorobiphenyl
 Concen: 83.31 ng
 RT: 13.32 min Scan# 1783
 Delta R.T. -0.03 min
 Lab File: BG022378.D
 Acq: 16 Jun 2016 22:58

Tgt Ion:172 Resp: 394006
 Ion Ratio Lower Upper
 172 100
 171 38.4 27.8 41.6
 170 26.5 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: 19.28 ng

RT: 14.14 min Scan# 1923

Delta R.T. -0.03 min

Lab File: BG022378.D

Acq: 16 Jun 2016 22:58

Instrument :

BNA_G

ClientSampleId :

SB-06-COMP

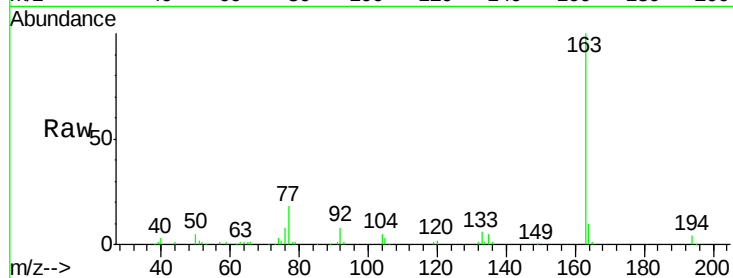
Tot Ion:163 Resp: 115219

Ion Ratio Lower Upper

163 100

194 3.7 3.0 4.6

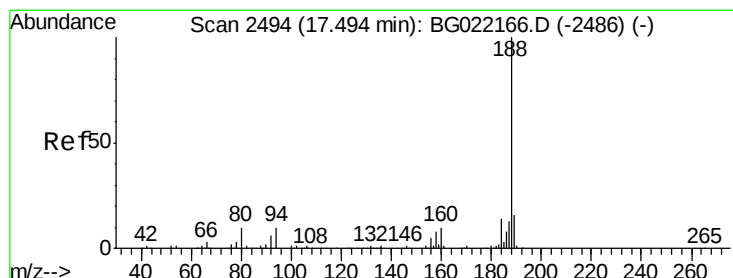
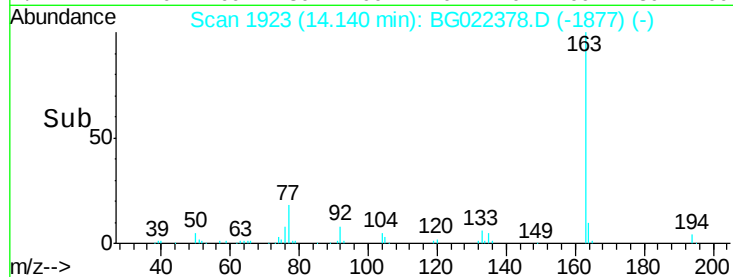
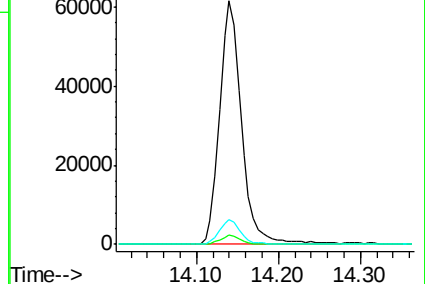
164 10.1 8.1 12.1



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



#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 17.44 min Scan# 2484

Delta R.T. -0.03 min

Lab File: BG022378.D

Acq: 16 Jun 2016 22:58

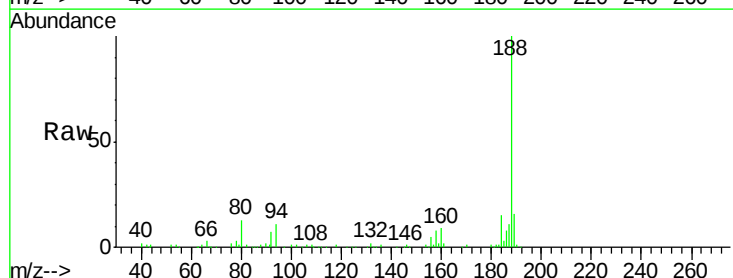
Tgt Ion:188 Resp: 150870

Ion Ratio Lower Upper

188 100

94 11.2 7.5 11.3

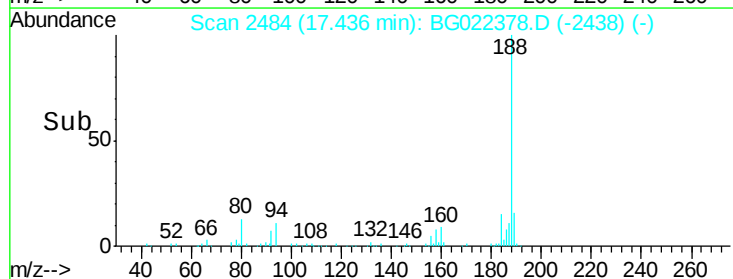
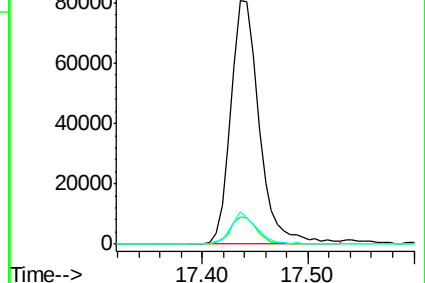
80 13.1 8.6 13.0#

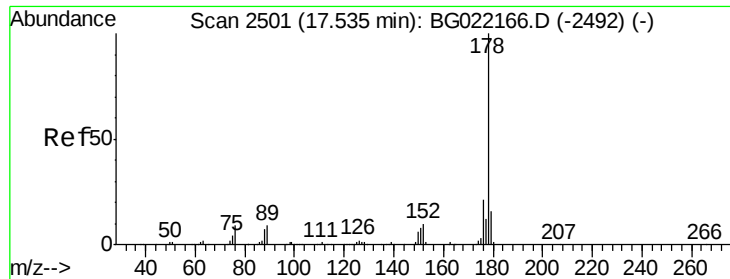


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC





#70

Phenanthrene

Concen: 3.64 ng

RT: 17.48 min Scan# 2492

Delta R.T. -0.03 min

Lab File: BG022378.D

Acq: 16 Jun 2016 22:58

Instrument :

BNA_G

ClientSampleId :

SB-06-COMP

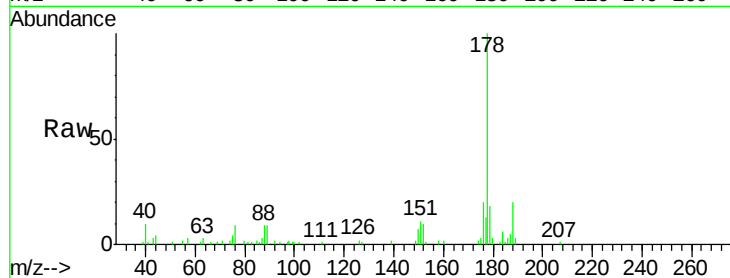
Tot Ion:178 Resp: 29803

Ion Ratio Lower Upper

178 100

176 20.1 16.2 24.4

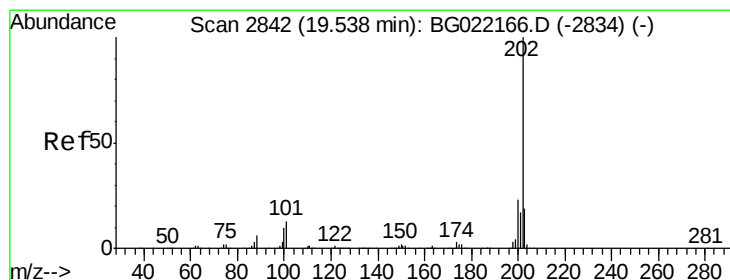
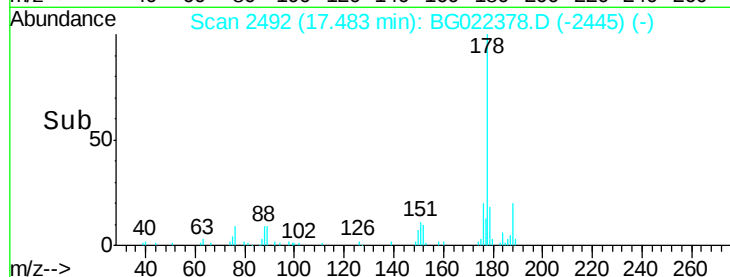
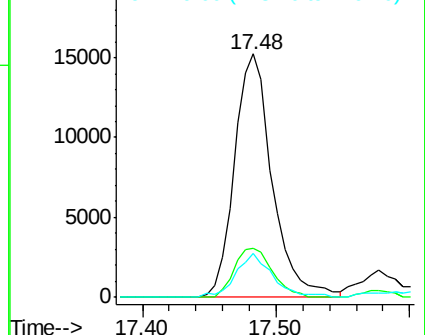
179 18.2 12.0 18.0#



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



#74

Fluoranthene

Concen: 4.23 ng

RT: 19.49 min Scan# 2833

Delta R.T. -0.03 min

Lab File: BG022378.D

Acq: 16 Jun 2016 22:58

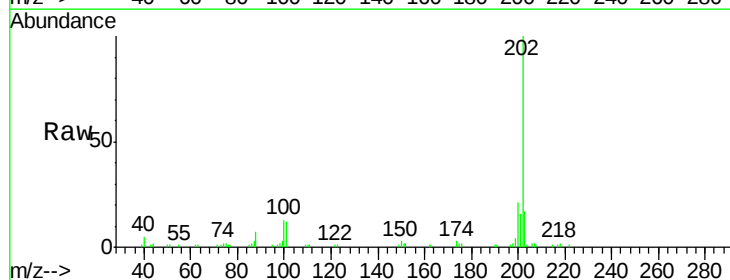
Tgt Ion:202 Resp: 39859

Ion Ratio Lower Upper

202 100

101 11.8 0.0 31.0

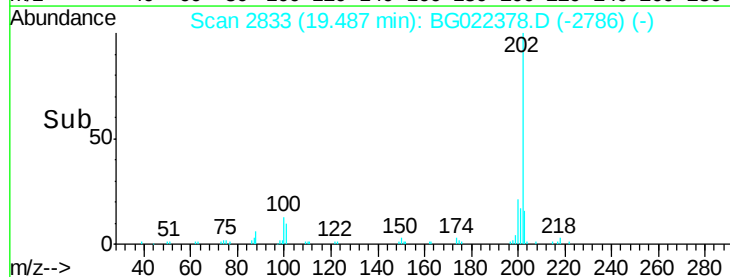
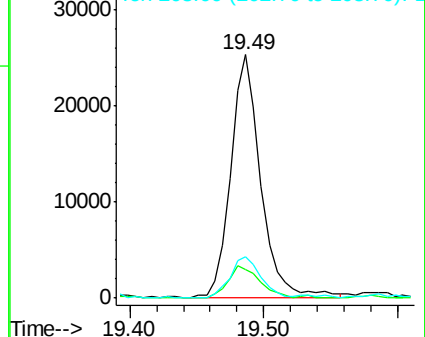
203 17.2 0.0 37.9

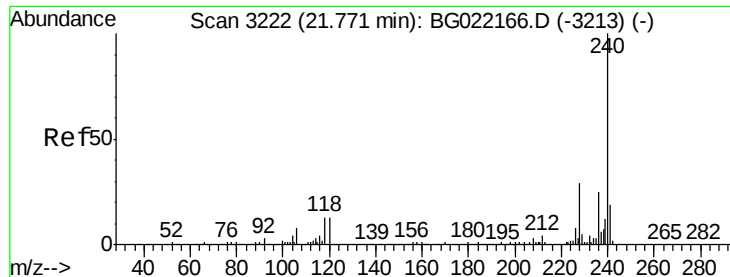


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

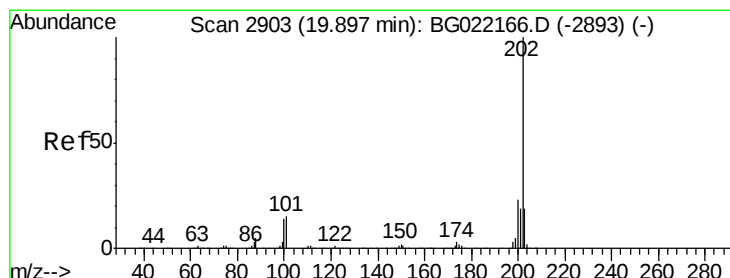
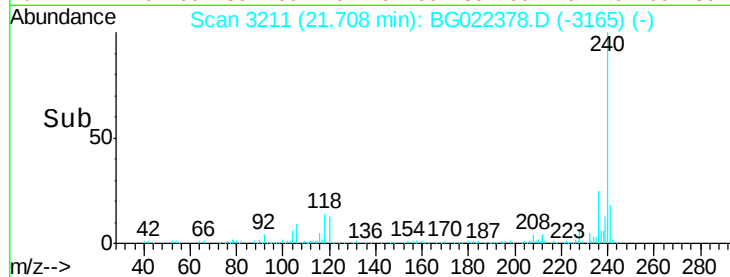
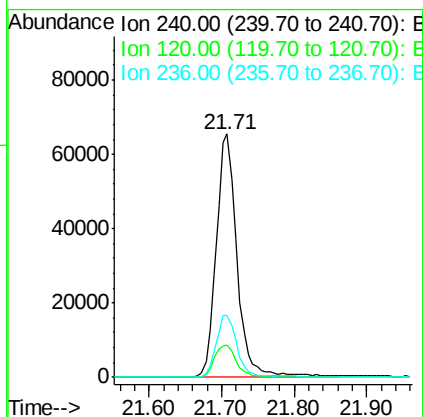
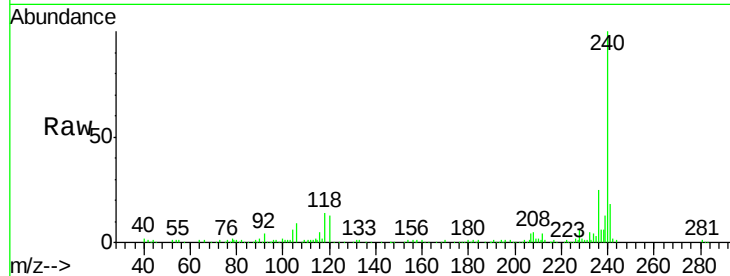




#75
Chrysene-d12
Concen: 20.00 ng
RT: 21.71 min Scan# 3211
Delta R.T. -0.03 min
Lab File: BG022378.D
Acq: 16 Jun 2016 22:58

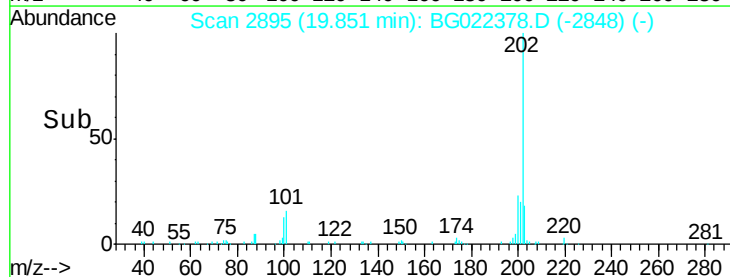
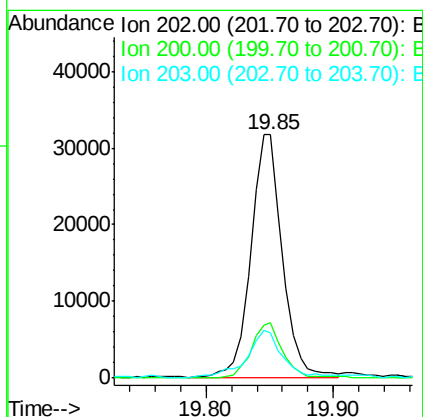
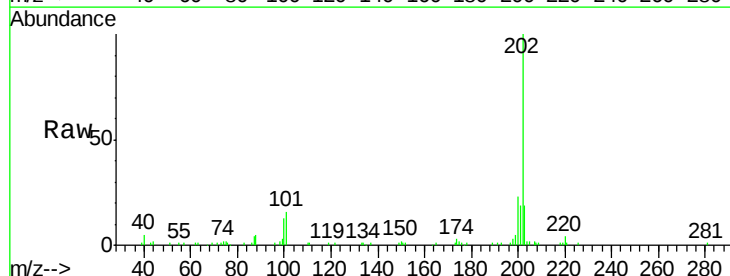
Instrument :
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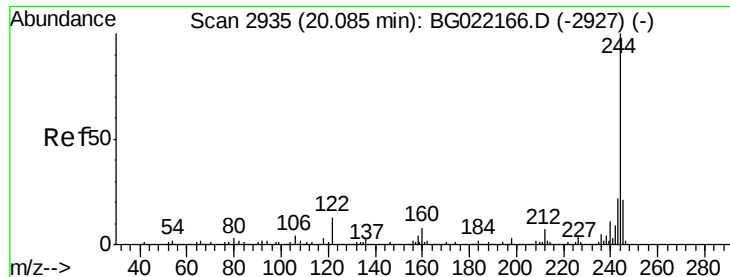
Tot Ion:240 Resp: 131236
Ion Ratio Lower Upper
240 100
120 13.5 8.4 12.6#
236 25.4 19.6 29.4



#77
Pyrene
Concen: 6.76 ng
RT: 19.85 min Scan# 2895
Delta R.T. -0.03 min
Lab File: BG022378.D
Acq: 16 Jun 2016 22:58

Tgt Ion:202 Resp: 55190
Ion Ratio Lower Upper
202 100
200 23.0 18.2 27.2
203 18.6 15.0 22.4





#78

Terphenyl-d14

Concen: 82.39 ng

RT: 20.03 min Scan# 2926

Delta R.T. -0.03 min

Lab File: BG022378.D

Acq: 16 Jun 2016 22:58

Instrument :

BNA_G

ClientSampleId :

SB-06-COMP

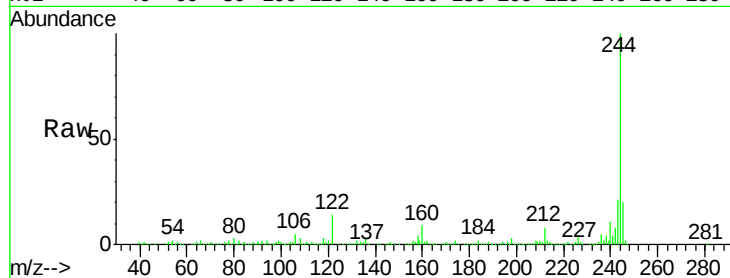
Tot Ion:244 Resp: 455453

Ion Ratio Lower Upper

244 100

212 8.0 6.5 9.7

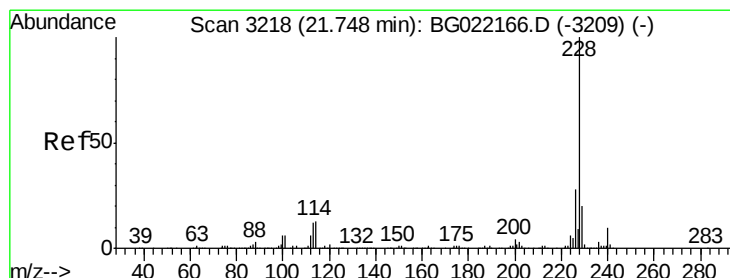
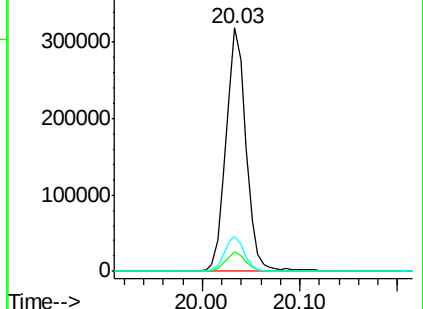
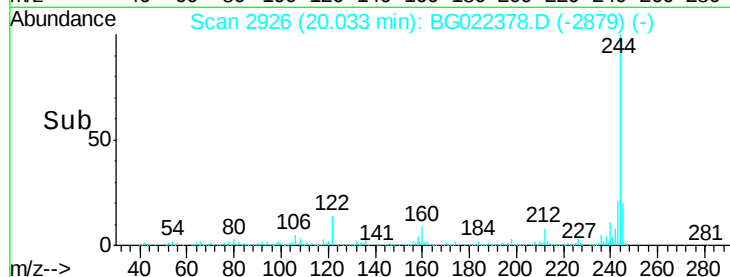
122 14.4 8.6 12.8#



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: 2.94 ng

RT: 21.68 min Scan# 3207

Delta R.T. -0.04 min

Lab File: BG022378.D

Acq: 16 Jun 2016 22:58

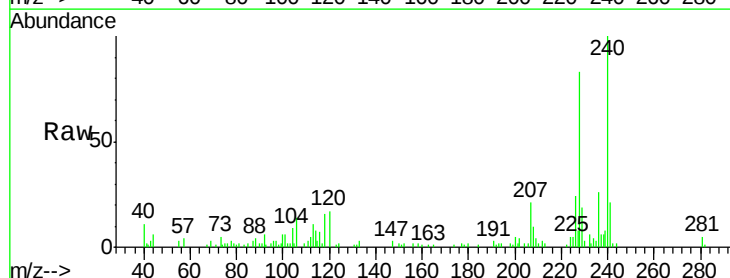
Tgt Ion:228 Resp: 21648

Ion Ratio Lower Upper

228 100

226 28.6 22.6 34.0

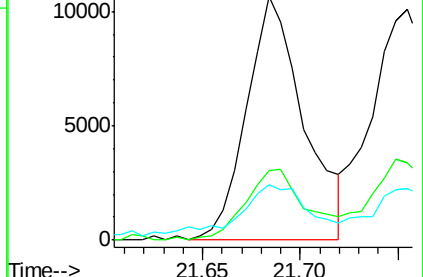
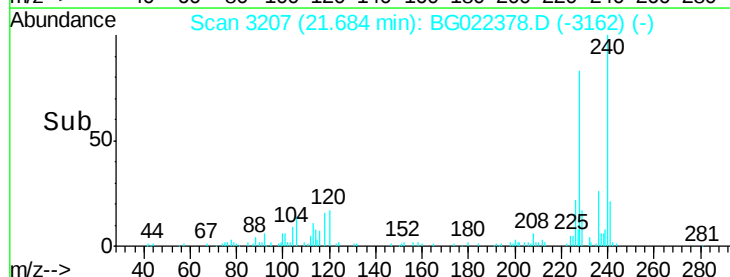
229 22.9 16.1 24.1

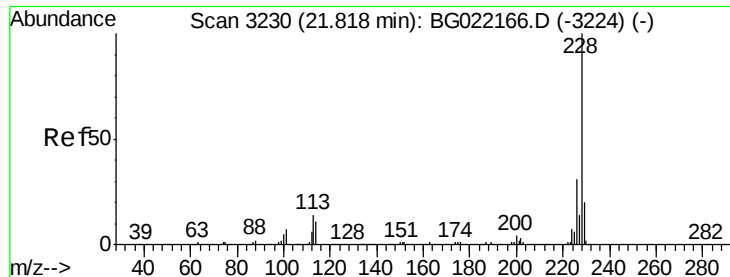


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#82

Chrysene

Concen: 3.30 ng

RT: 21.75 min Scan# 3219

Delta R.T. -0.03 min

Lab File: BG022378.D

Acq: 16 Jun 2016 22:58

Instrument :

BNA_G

ClientSampleId :

SB-06-COMP

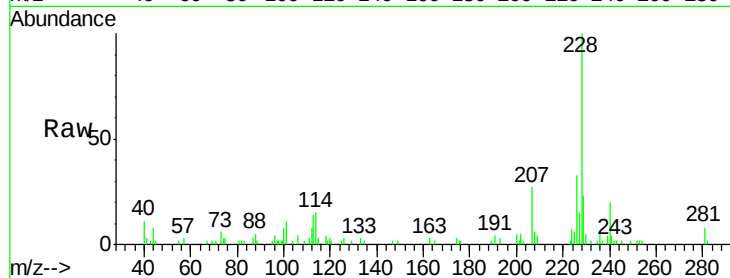
Tot Ion:228 Resp: 23602

Ion Ratio Lower Upper

228 100

226 33.4 25.4 38.0

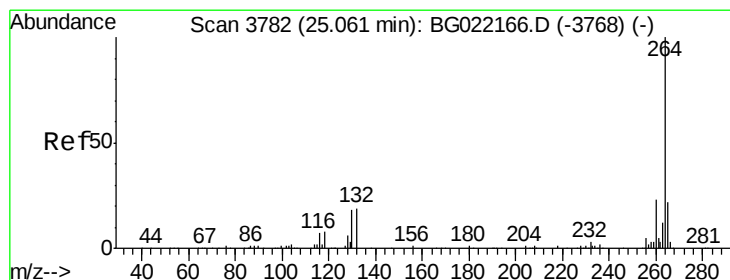
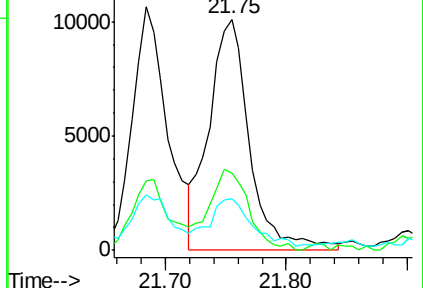
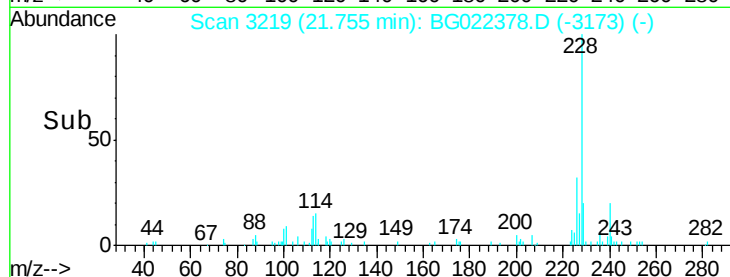
229 22.6 15.9 23.9



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#86

Perylene-d12

Concen: 20.00 ng

RT: 24.97 min Scan# 3766

Delta R.T. -0.04 min

Lab File: BG022378.D

Acq: 16 Jun 2016 22:58

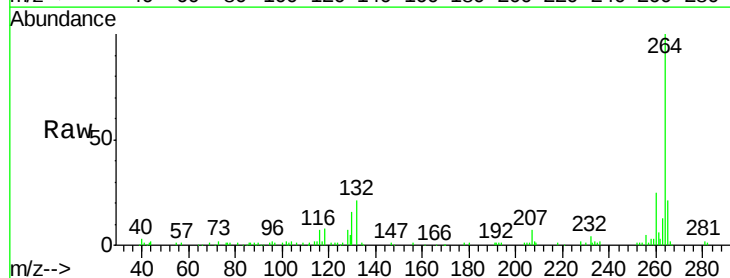
Tgt Ion:264 Resp: 123281

Ion Ratio Lower Upper

264 100

260 25.4 20.2 30.4

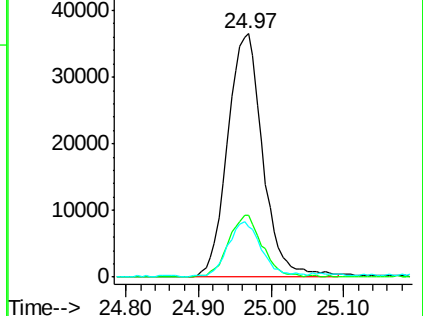
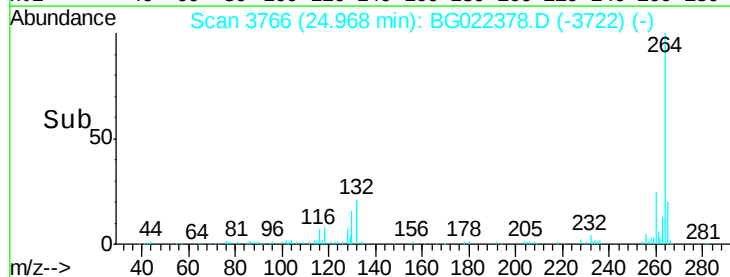
265 20.5 17.8 26.8

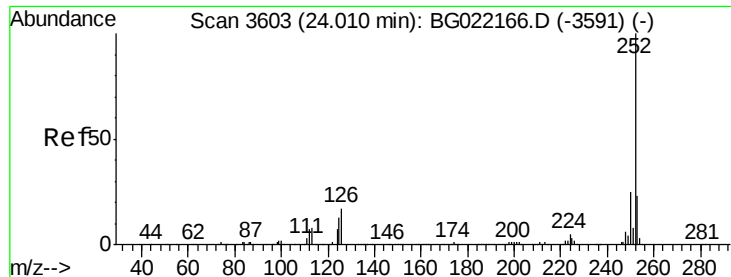


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#87

Benzo(b)fluoranthene

Concen: 2.97 ng

RT: 23.93 min Scan# 3590

Delta R.T. -0.03 min

Lab File: BG022378.D

Acq: 16 Jun 2016 22:58

Instrument :

BNA_G

ClientSampleId :

SB-06-COMP

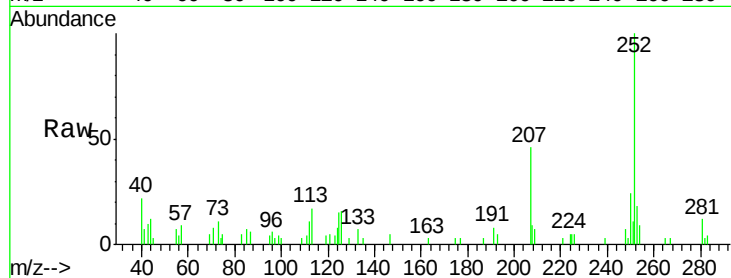
Tot Ion:252 Resp: 21332

Ion Ratio Lower Upper

252 100

253 17.9 17.5 26.3

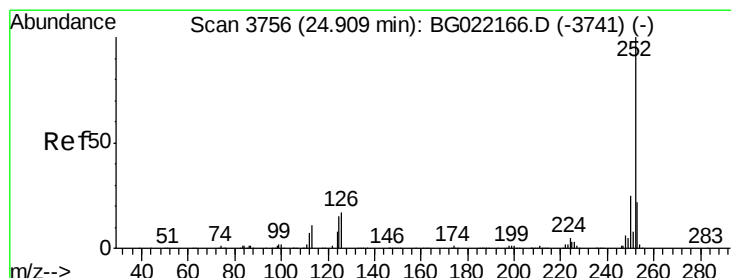
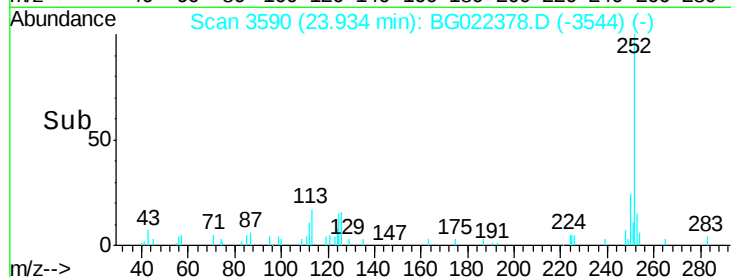
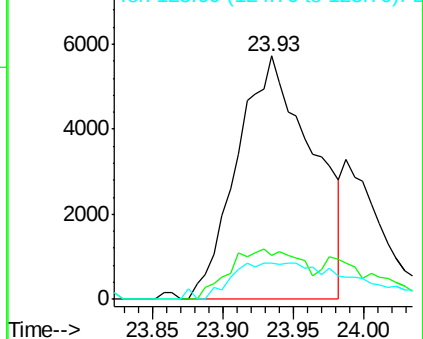
125 14.6 8.6 13.0#



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



#89

Benzo(a)pyrene

Concen: 2.61 ng

RT: 24.81 min Scan# 3739

Delta R.T. -0.05 min

Lab File: BG022378.D

Acq: 16 Jun 2016 22:58

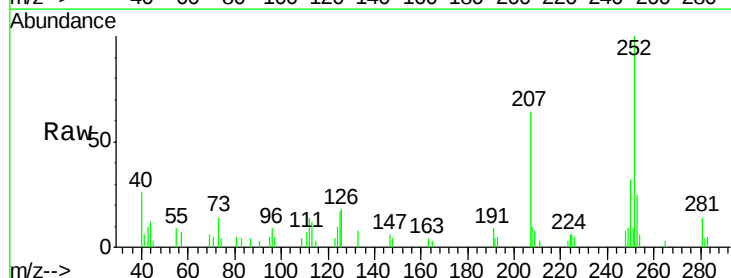
Tgt Ion:252 Resp: 17977

Ion Ratio Lower Upper

252 100

253 24.6 17.1 25.7

125 17.3 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

