

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG061616\
 Data File : BG022376.D
 Acq On : 16 Jun 2016 21:38
 Operator : UM/SJ
 Sample : H3567-08
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SB-04-COMP

Quant Time: Jun 17 02:25:02 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

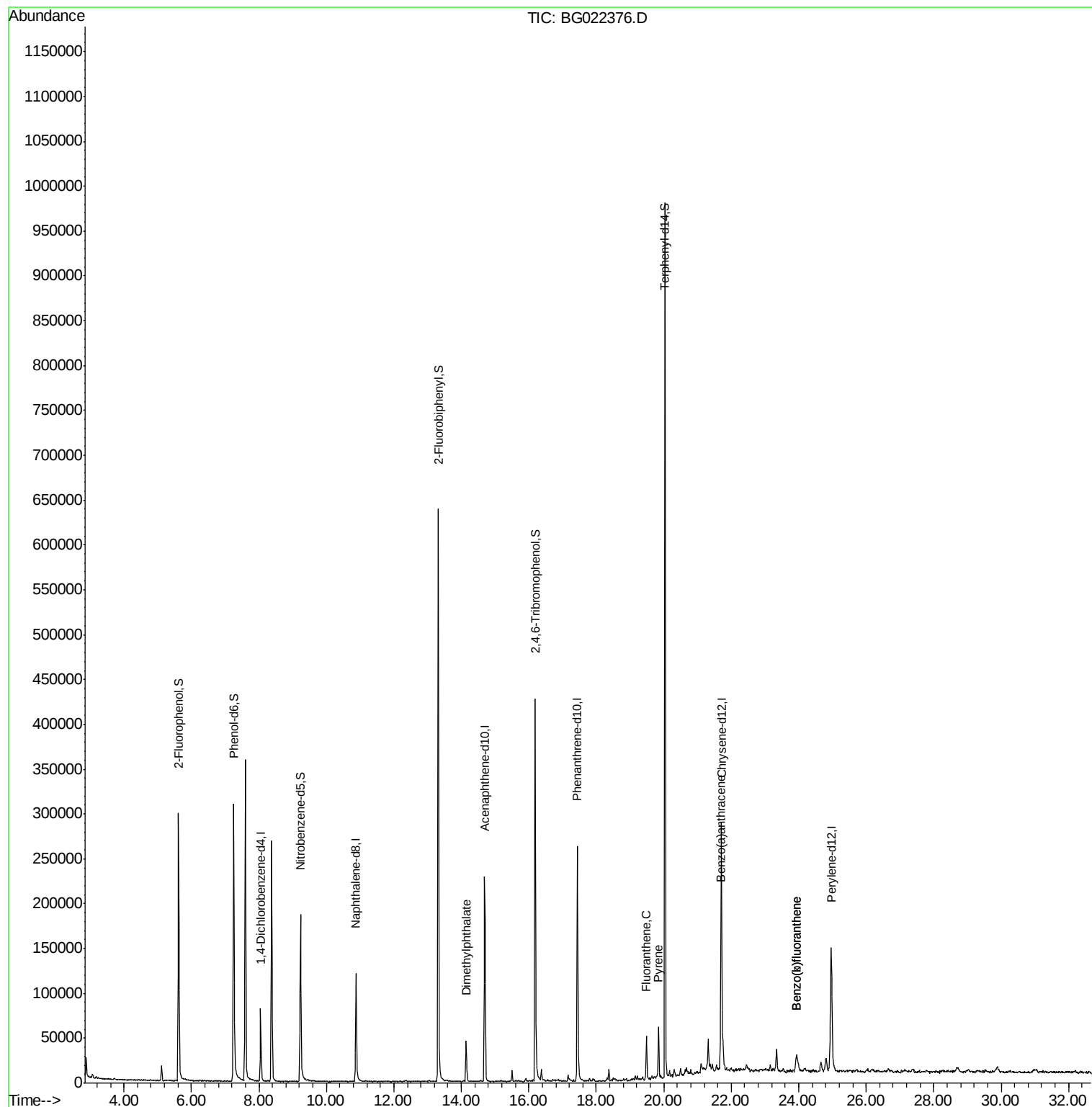
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.05	152	28834	20.00	ng	-0.04
21) Naphthalene-d8	10.88	136	148684	20.00	ng	-0.03
38) Acenaphthene-d10	14.69	164	93762	20.00	ng	-0.03
63) Phenanthrene-d10	17.44	188	198252	20.00	ng	-0.03
75) Chrysene-d12	21.71	240	165791	20.00	ng	-0.03
86) Perylene-d12	24.96	264	156762	20.00	ng	-0.05
System Monitoring Compounds						
5) 2-Fluorophenol	5.62	112	203082	136.18	ng	-0.02
7) Phenol-d6	7.25	99	298185	127.17	ng	0.00
23) Nitrobenzene-d5	9.23	82	161322	75.64	ng	-0.03
41) 2,4,6-Tribromophenol	16.19	330	99445	93.86	ng	-0.03
44) 2-Fluorobiphenyl	13.32	172	403877	65.64	ng	-0.03
78) Terphenyl-d14	20.03	244	457889	65.57	ng	-0.03
Target Compounds						Qvalue
49) Dimethylphthalate	14.14	163	44192	5.68	ng	100
74) Fluoranthene	19.49	202	33193	2.68	ng	99
77) Pyrene	19.85	202	40099	3.89	ng	98
80) Benzo(a)anthracene	21.69	228	21978	2.36	ng	98
87) Benzo(b)fluoranthene	23.93	252	27566	3.02	ng	# 91
88) Benzo(k)fluoranthene	23.93	252	27566	3.06	ng	# 92

(#) = 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: BG022376.D

Acq: 16 Jun 2016 21:38

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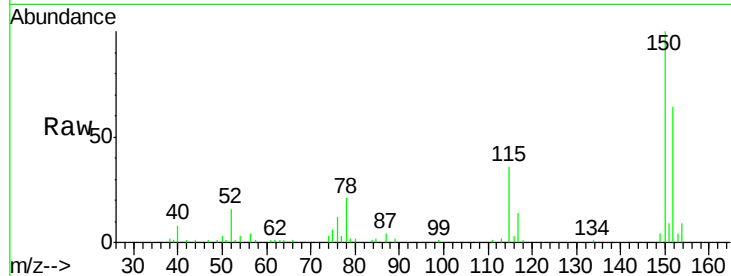
Tgt Ion:152 Resp: 28834

Ion Ratio Lower Upper

152 100

150 157.0 130.1 195.1

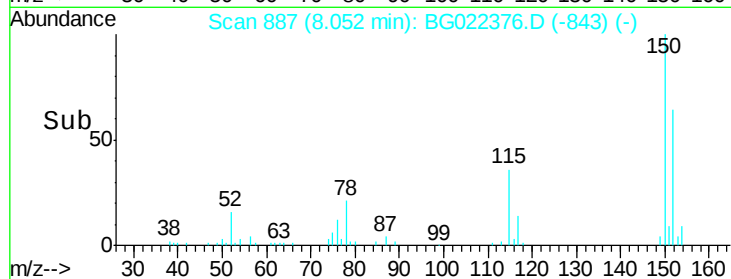
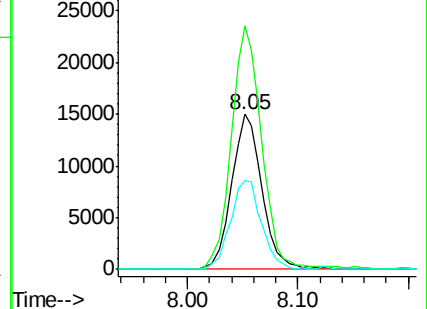
115 57.1 62.2 93.2#



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: 136.18 ng

RT: 5.62 min Scan# 473

Delta R.T. -0.02 min

Lab File: BG022376.D

Acq: 16 Jun 2016 21:38

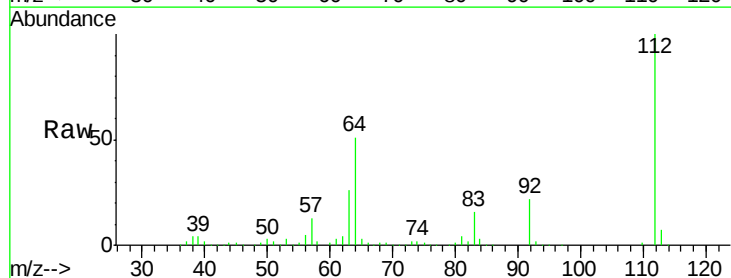
Tgt Ion:112 Resp: 203082

Ion Ratio Lower Upper

112 100

64 51.5 51.1 76.7

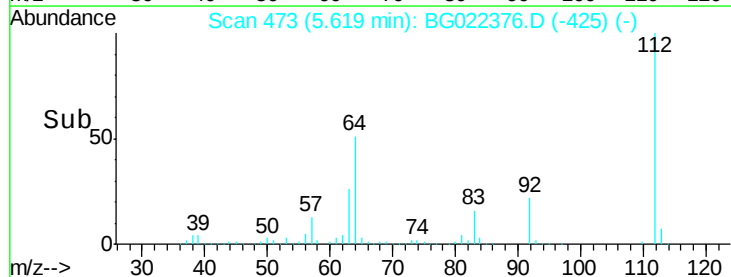
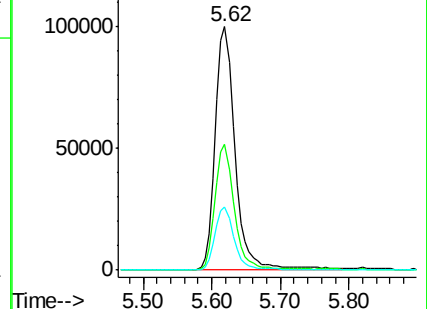
63 25.9 24.6 37.0



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: 127.17 ng

RT: 7.25 min Scan# 751

Delta R.T. 0.00 min

Lab File: BG022376.D

Acq: 16 Jun 2016 21:38

Instrument :

BNA_G

ClientSampleId :

SB-04-COMP

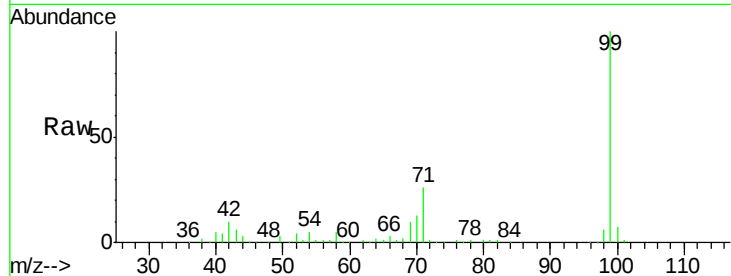
Tgt Ion: 99 Resp: 298185

Ion Ratio Lower Upper

99 100

42 10.4 16.4 24.6#

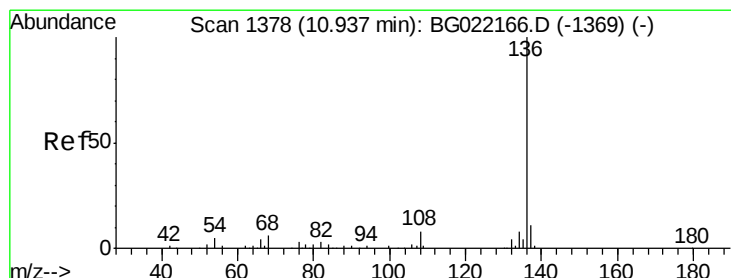
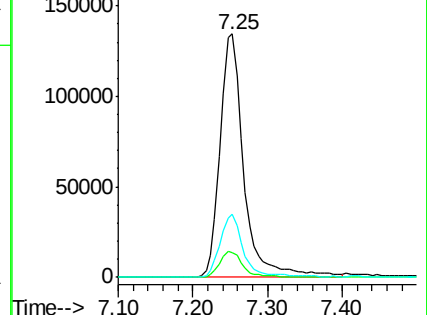
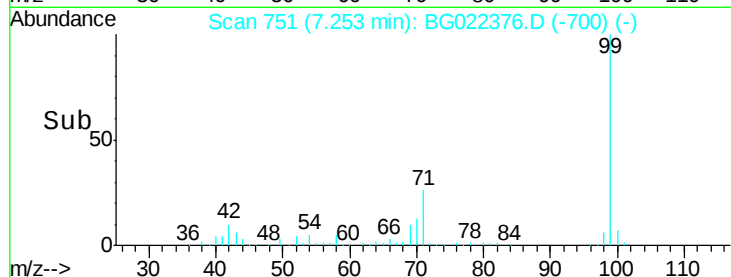
71 25.9 25.0 37.4



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: 10.88 min Scan# 1368

Delta R.T. -0.03 min

Lab File: BG022376.D

Acq: 16 Jun 2016 21:38

Tgt Ion: 136 Resp: 148684

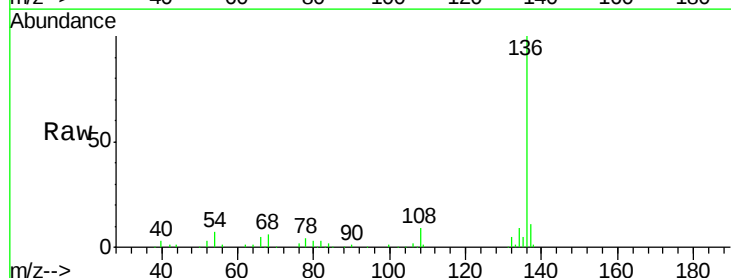
Ion Ratio Lower Upper

136 100

137 11.1 9.0 13.4

54 6.7 9.6 14.4#

68 5.9 6.4 9.6#

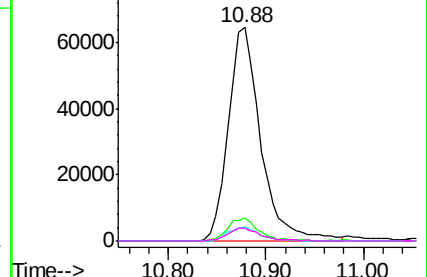
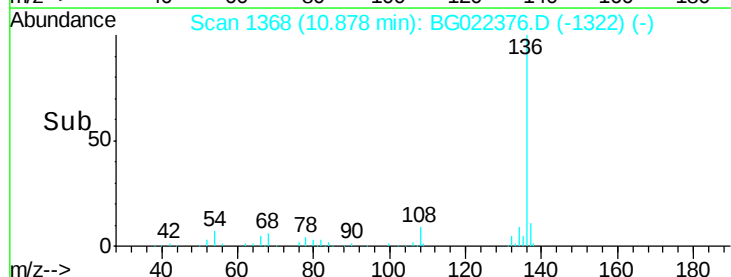


Abundance Ion 136.00 (135.70 to 136.70): BGC

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

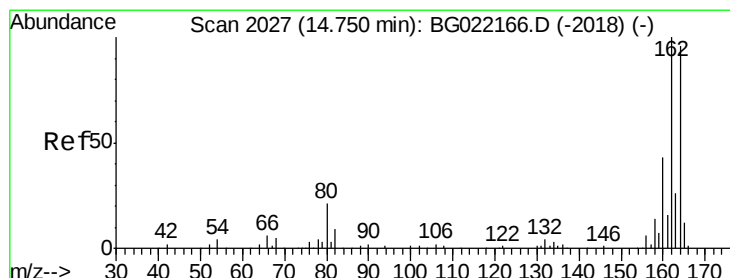
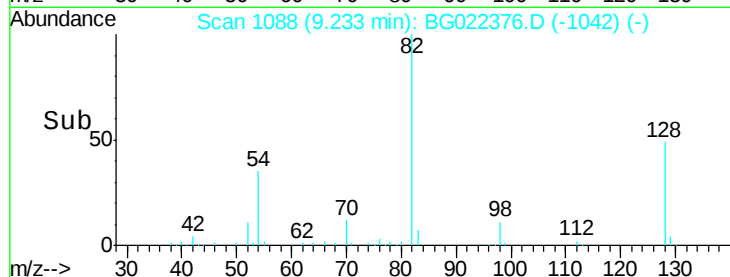
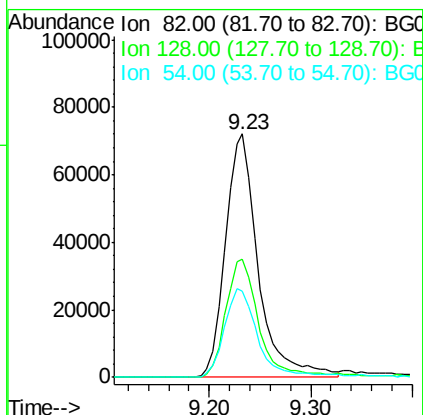
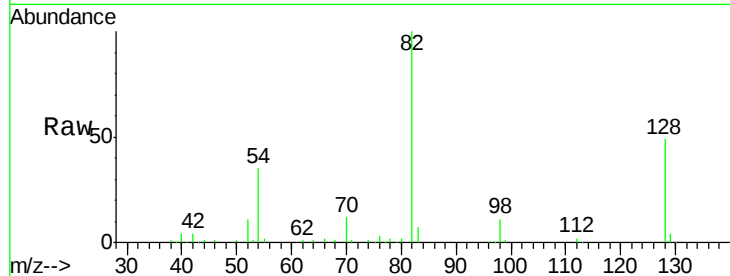




#23
 Nitrobenzene-d5
 Concen: 75.64 ng
 RT: 9.23 min Scan# 1088
 Delta R.T. -0.03 min
 Lab File: BG022376.D
 Acq: 16 Jun 2016 21:38

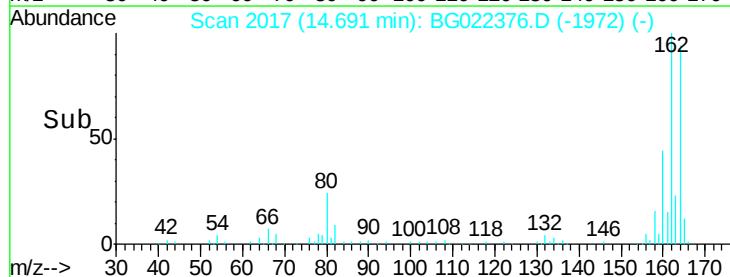
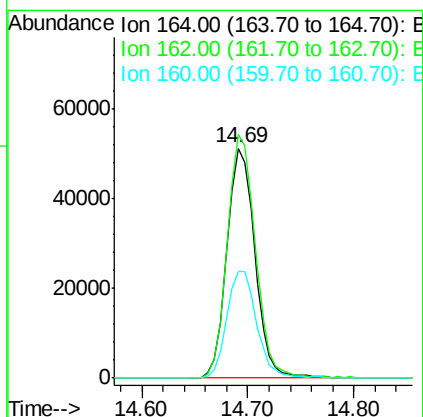
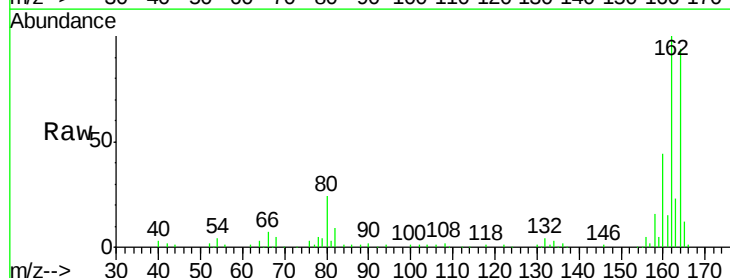
Instrument :
 BNA_G
 ClientSampleId :
 SB-04-COMP

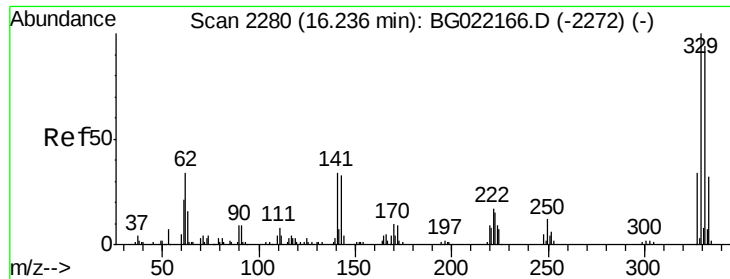
Tgt Ion	Ratio	Lower	Upper
82	100		
128	48.6	33.4	50.0
54	35.4	46.1	69.1#



#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 14.69 min Scan# 2017
 Delta R.T. -0.03 min
 Lab File: BG022376.D
 Acq: 16 Jun 2016 21:38

Tgt Ion	Ratio	Lower	Upper
164	100		
162	105.9	78.0	117.0
160	46.6	32.9	49.3

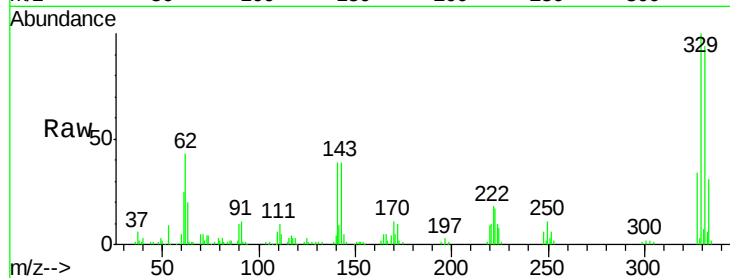




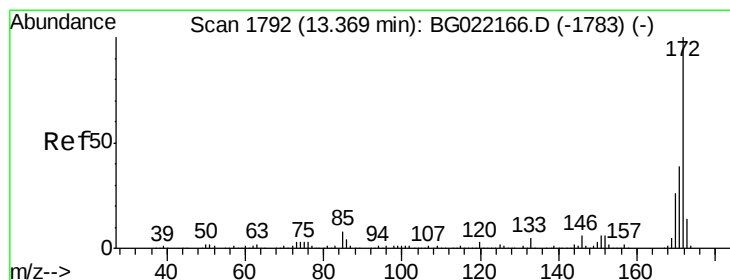
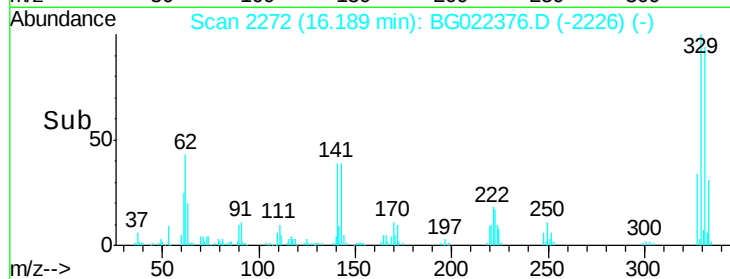
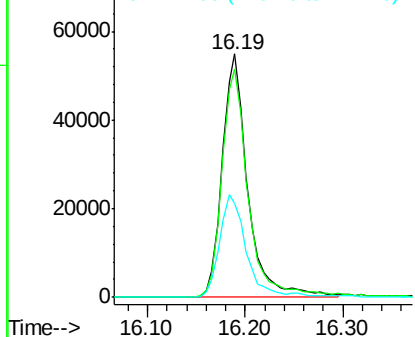
#41
 2,4,6-Tribromophenol
 Concen: 93.86 ng
 RT: 16.19 min Scan# 2272
 Delta R.T. -0.03 min
 Lab File: BG022376.D
 Acq: 16 Jun 2016 21:38

Instrument :
 BNA_G
 ClientSampleId :
 SB-04-COMP

Tgt Ion:330 Resp: 99445
 Ion Ratio Lower Upper
 330 100
 332 96.9 78.0 117.0
 141 45.2 33.8 50.8

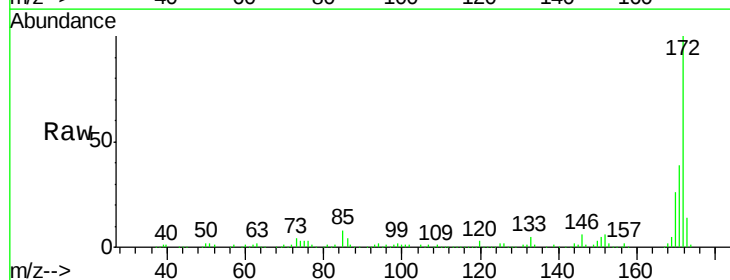


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

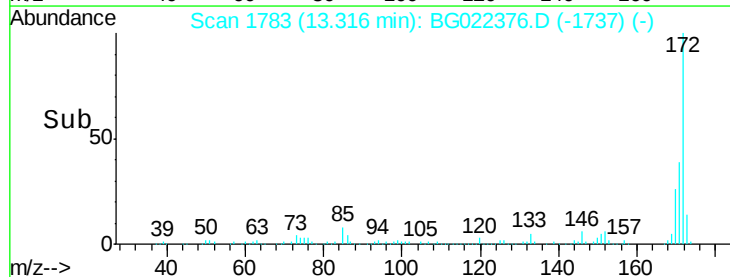
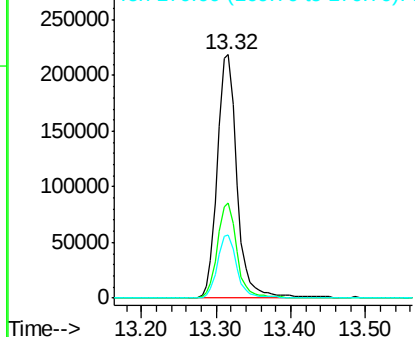


#44
 2-Fluorobiphenyl
 Concen: 65.64 ng
 RT: 13.32 min Scan# 1783
 Delta R.T. -0.03 min
 Lab File: BG022376.D
 Acq: 16 Jun 2016 21:38

Tgt Ion:172 Resp: 403877
 Ion Ratio Lower Upper
 172 100
 171 39.0 27.8 41.6
 170 25.7 19.6 29.4



Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E





#49

Dimethylphthalate

Concen: 5.68 ng

RT: 14.14 min Scan# 1924

Delta R.T. -0.03 min

Lab File: BG022376.D

Acq: 16 Jun 2016 21:38

Instrument :

BNA_G

ClientSampleId :

SB-04-COMP

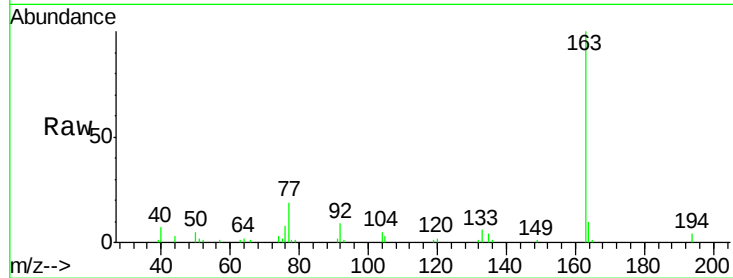
Tgt Ion:163 Resp: 44192

Ion Ratio Lower Upper

163 100

194 3.6 3.0 4.6

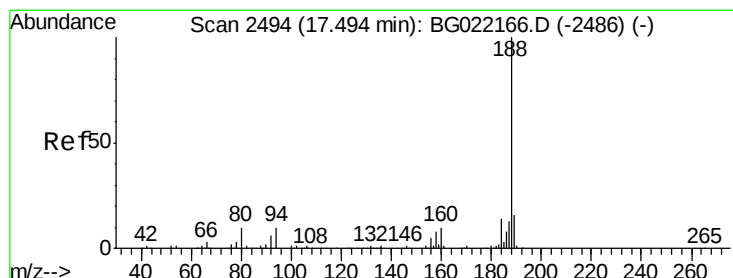
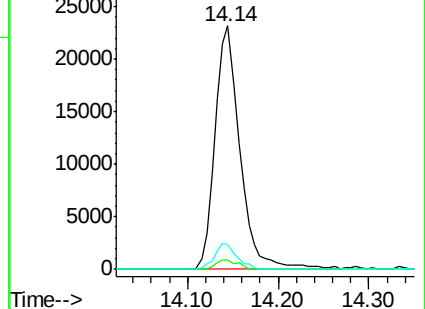
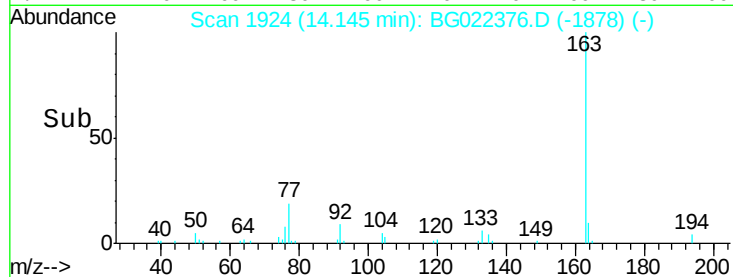
164 10.1 8.1 12.1



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# 2485

Delta R.T. -0.03 min

Lab File: BG022376.D

Acq: 16 Jun 2016 21:38

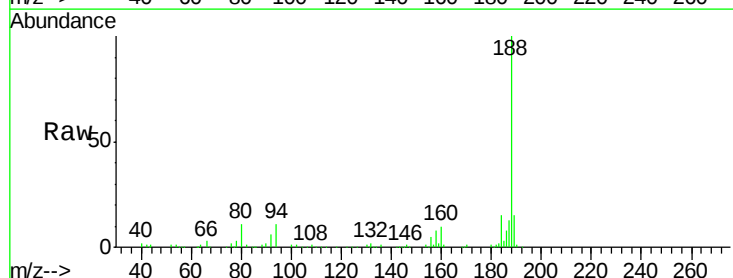
Tgt Ion:188 Resp: 198252

Ion Ratio Lower Upper

188 100

94 10.9 7.5 11.3

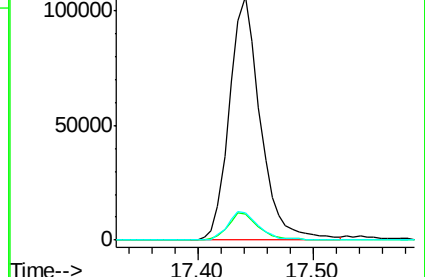
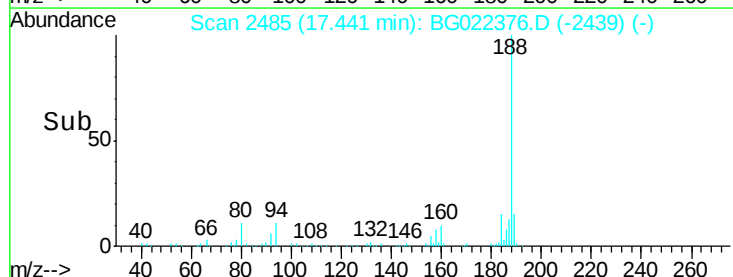
80 11.2 8.6 13.0

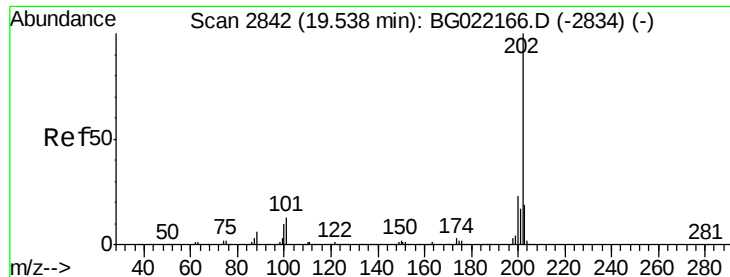


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BG0

Ion 80.00 (79.70 to 80.70): BG0





#74

Fluoranthene

Concen: 2.68 ng

RT: 19.49 min Scan# 2833

Delta R.T. -0.03 min

Lab File: BG022376.D

Acq: 16 Jun 2016 21:38

Instrument :

BNA_G

ClientSampleId :

SB-04-COMP

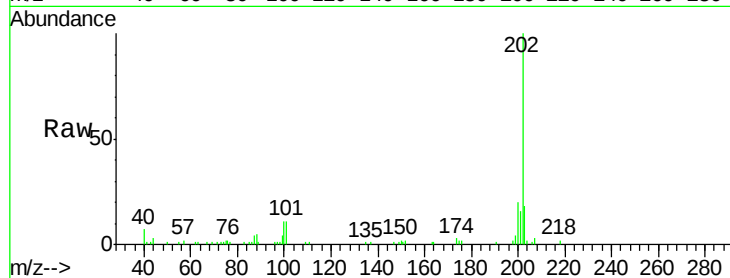
Tgt Ion:202 Resp: 33193

Ion Ratio Lower Upper

202 100

101 11.2 0.0 31.0

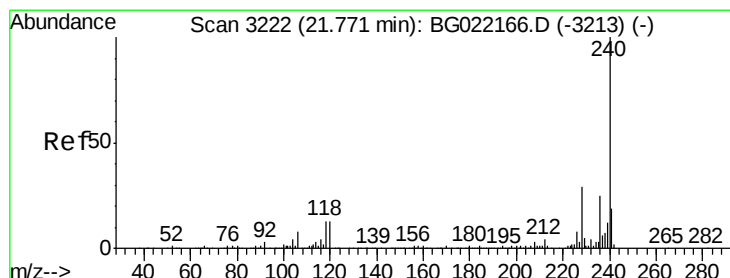
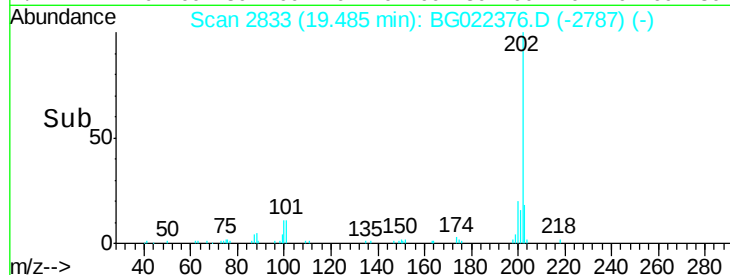
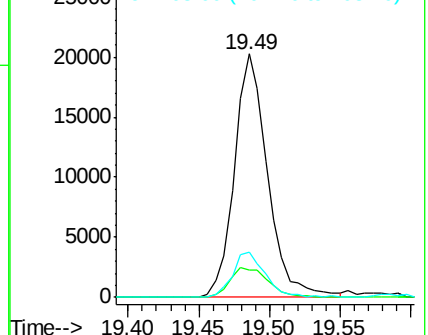
203 18.3 0.0 37.9



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: 21.71 min Scan# 3211

Delta R.T. -0.03 min

Lab File: BG022376.D

Acq: 16 Jun 2016 21:38

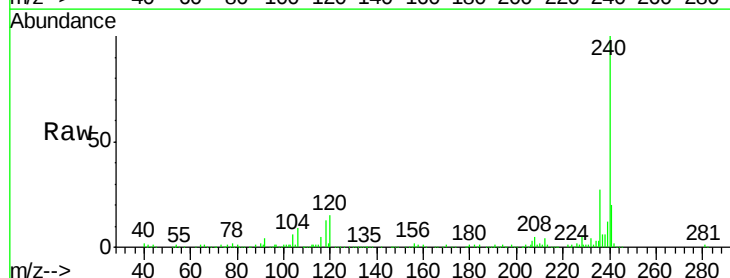
Tgt Ion:240 Resp: 165791

Ion Ratio Lower Upper

240 100

120 14.6 8.4 12.6#

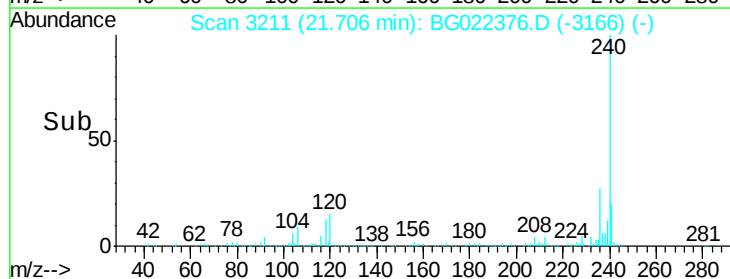
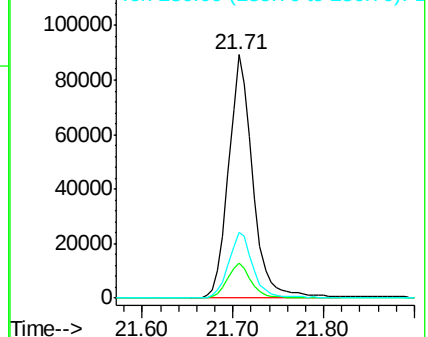
236 27.2 19.6 29.4

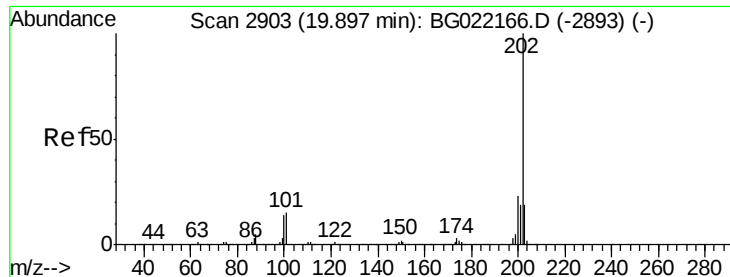


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

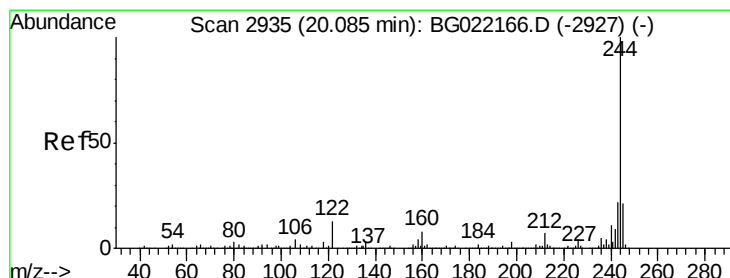
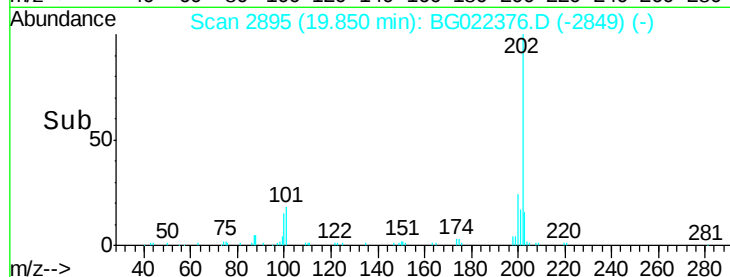
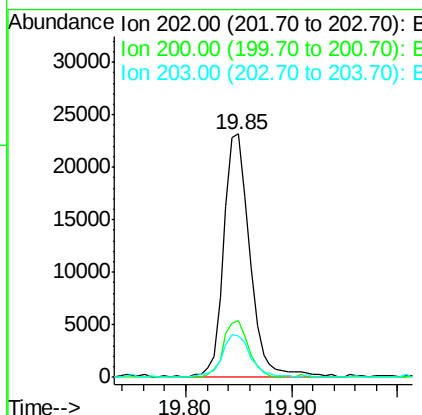
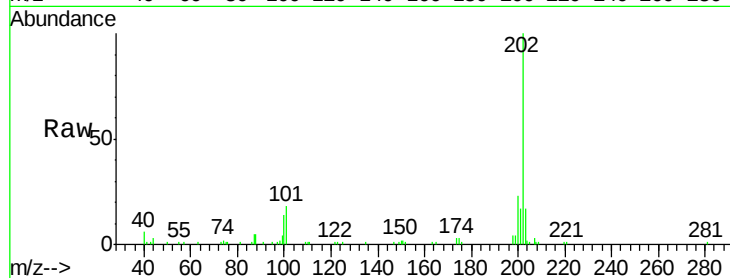




#77
 Pyrene
 Concen: 3.89 ng
 RT: 19.85 min Scan# 2895
 Delta R.T. -0.03 min
 Lab File: BG022376.D
 Acq: 16 Jun 2016 21:38

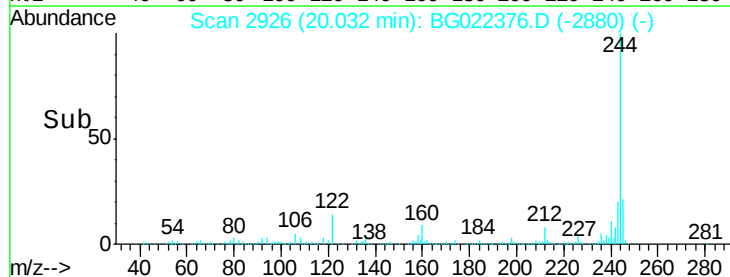
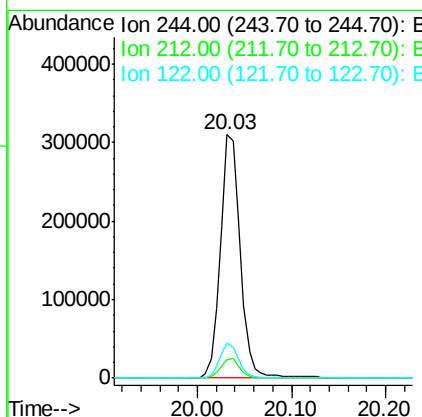
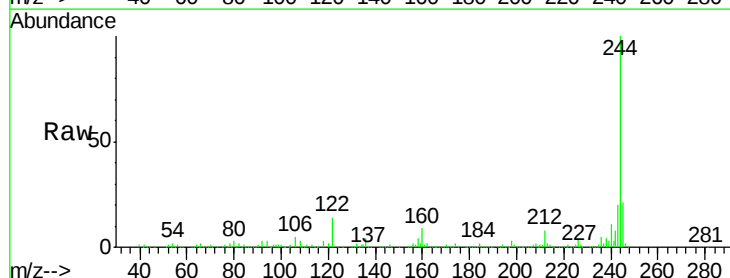
Instrument :
 BNA_G
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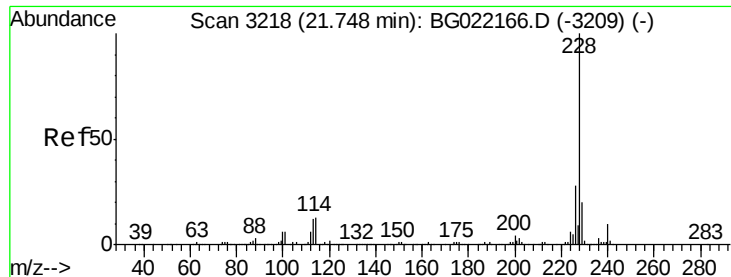
Tgt Ion	Ratio	Lower	Upper
202	100		
200	23.1	18.2	27.2
203	16.9	15.0	22.4



#78
 Terphenyl-d14
 Concen: 65.57 ng
 RT: 20.03 min Scan# 2926
 Delta R.T. -0.03 min
 Lab File: BG022376.D
 Acq: 16 Jun 2016 21:38

Tgt Ion	Ratio	Lower	Upper
244	100		
212	7.6	6.5	9.7
122	14.2	8.6	12.8

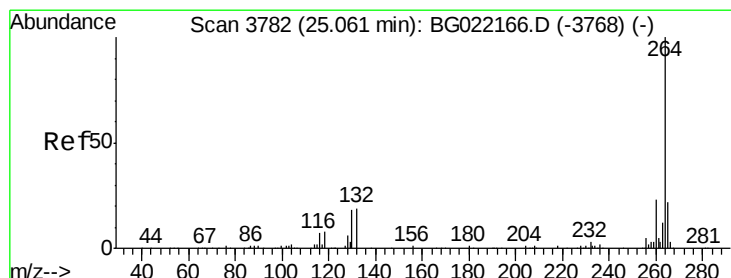
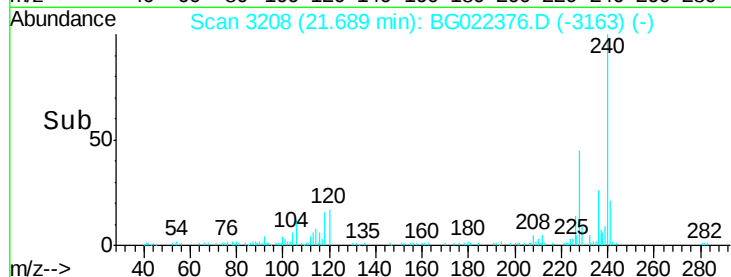
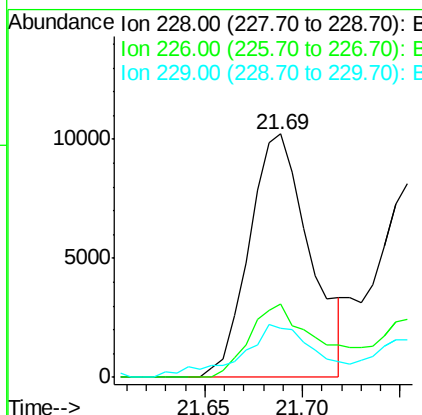
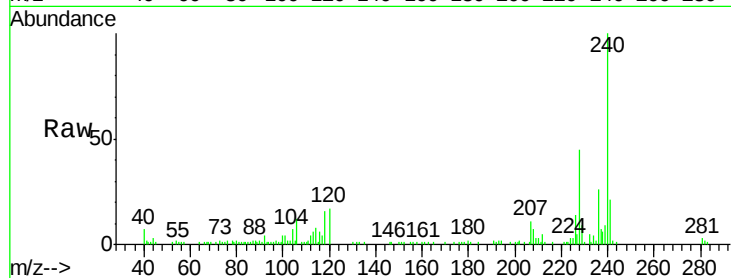




#80
Benzo(a)anthracene
Concen: 2.36 ng
RT: 21.69 min Scan# 3208
Delta R.T. -0.03 min
Lab File: BG022376.D
Acq: 16 Jun 2016 21:38

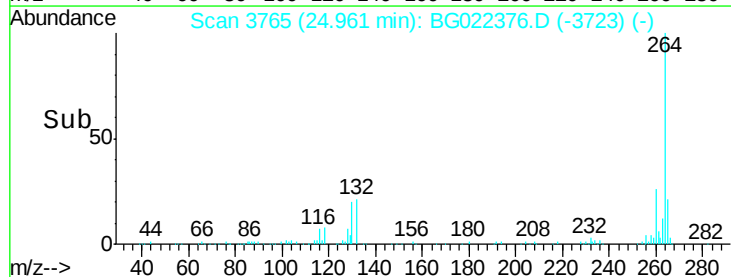
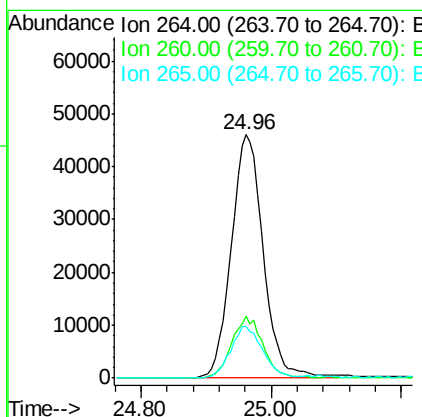
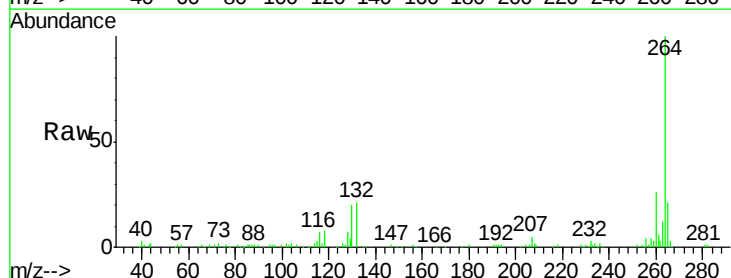
Instrument :
BNA_G
ClientSampleId :
SB-04-COMP

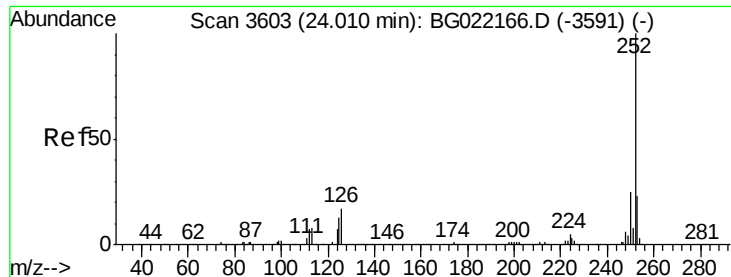
Tgt Ion:228 Resp: 21978
Ion Ratio Lower Upper
228 100
226 30.2 22.6 34.0
229 20.3 16.1 24.1



#86
Perylene-d12
Concen: 20.00 ng
RT: 24.96 min Scan# 3765
Delta R.T. -0.05 min
Lab File: BG022376.D
Acq: 16 Jun 2016 21:38

Tgt Ion:264 Resp: 156762
Ion Ratio Lower Upper
264 100
260 25.6 20.2 30.4
265 21.0 17.8 26.8





#87

Benzo(b)fluoranthene

Concen: 3.02 ng

RT: 23.93 min Scan# 3590

Delta R.T. -0.03 min

Lab File: BG022376.D

Acq: 16 Jun 2016 21:38

Instrument :

BNA_G

ClientSampleId :

SB-04-COMP

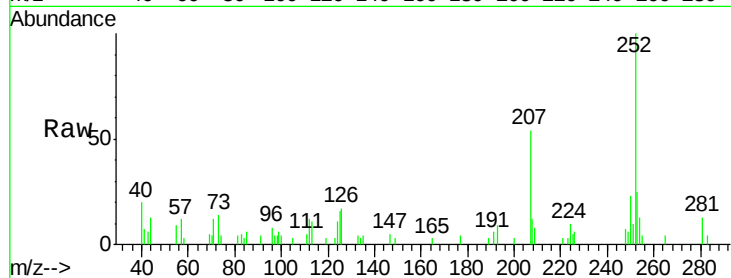
Tgt Ion:252 Resp: 27566

Ion Ratio Lower Upper

252 100

253 25.0 17.5 26.3

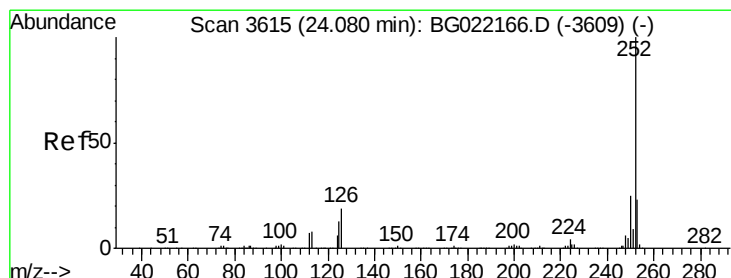
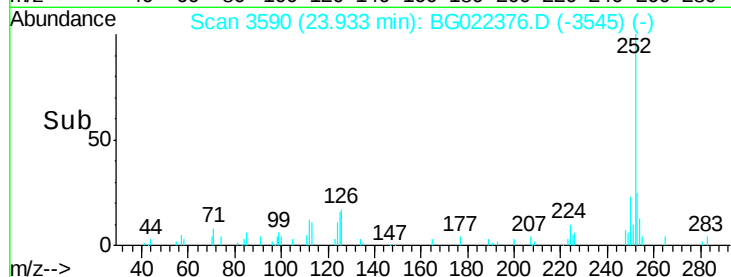
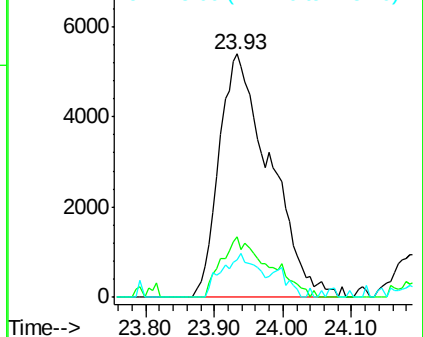
125 15.6 8.6 13.0#



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



#88

Benzo(k)fluoranthene

Concen: 3.06 ng

RT: 23.93 min Scan# 3590

Delta R.T. -0.11 min

Lab File: BG022376.D

Acq: 16 Jun 2016 21:38

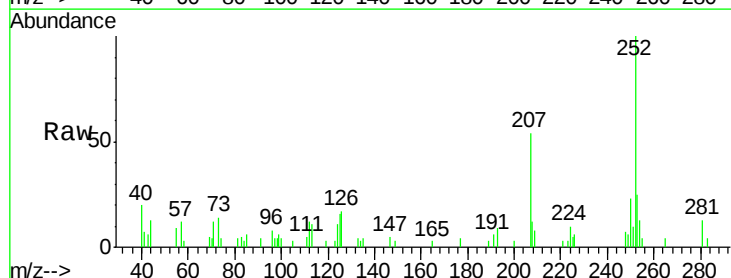
Tgt Ion:252 Resp: 27566

Ion Ratio Lower Upper

252 100

253 25.0 17.8 26.8

125 15.6 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

