

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG061716\
 Data File : BG022442.D
 Acq On : 19 Jun 2016 3:18
 Operator : UM/SJ
 Sample : H3489-01
 Misc :
 ALS Vial : 51 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 S6-B1(0-8)C

Quant Time: Jun 20 01:28:10 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

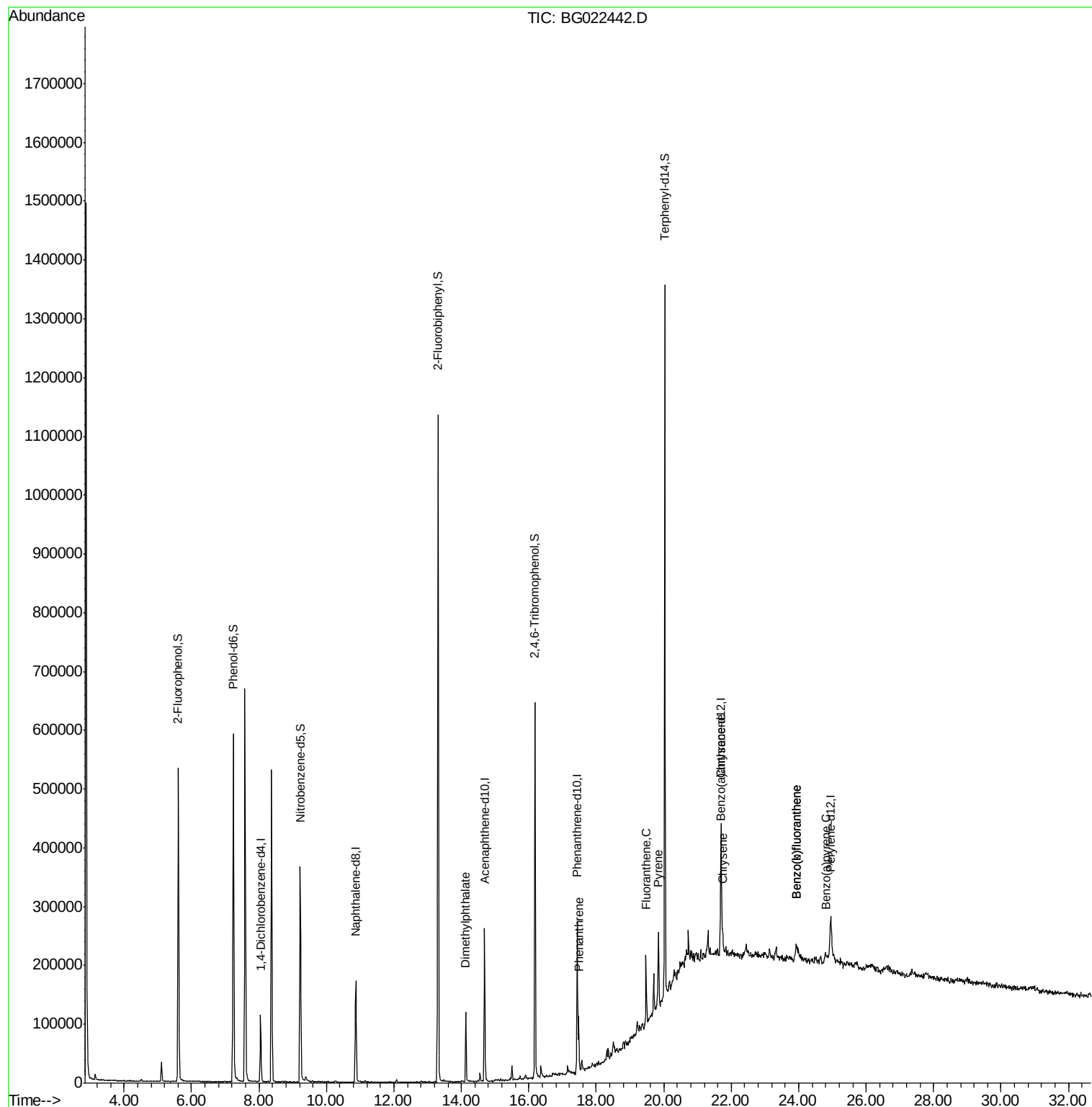
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.05	152	40293	20.00	ng	-0.04
21) Naphthalene-d8	10.87	136	191309	20.00	ng	-0.04
38) Acenaphthene-d10	14.69	164	97477	20.00	ng	-0.04
63) Phenanthrene-d10	17.43	188	166072	20.00	ng	-0.04
75) Chrysene-d12	21.70	240	134564	20.00	ng	-0.04
86) Perylene-d12	24.95	264	103546	20.00	ng	-0.07
System Monitoring Compounds						
5) 2-Fluorophenol	5.61	112	354076	169.90	ng	-0.02
7) Phenol-d6	7.24	99	521040	159.02	ng	-0.01
23) Nitrobenzene-d5	9.22	82	293753	107.05	ng	-0.04
41) 2,4,6-Tribromophenol	16.18	330	130222	118.23	ng	-0.04
44) 2-Fluorobiphenyl	13.31	172	654755	102.36	ng	-0.04
78) Terphenyl-d14	20.03	244	511990	90.33	ng	-0.03
Target Compounds						Qvalue
49) Dimethylphthalate	14.13	163	97034	12.01	ng	100
70) Phenanthrene	17.47	178	57992	6.43	ng	98
74) Fluoranthene	19.48	202	76494	7.38	ng	97
77) Pyrene	19.84	202	78146	9.34	ng	98
80) Benzo(a)anthracene	21.68	228	31593	4.19	ng	# 91
82) Chrysene	21.74	228	25467	3.47	ng	# 94
87) Benzo(b)fluoranthene	23.92	252	20352	3.37	ng	# 65
88) Benzo(k)fluoranthene	23.92	252	20352	3.42	ng	# 66
89) Benzo(a)pyrene	24.81	252	15311	2.65	ng	# 59

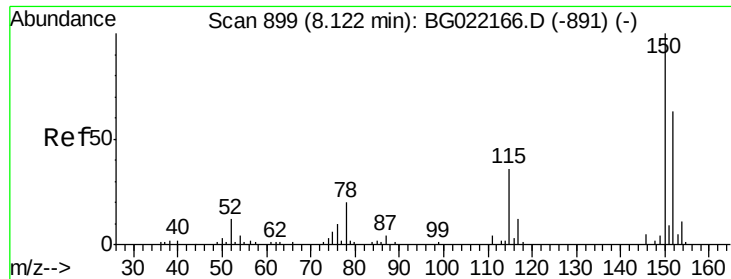
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: BG022442.D

Acq: 19 Jun 2016 3:18

Instrument :

BNA_G

ClientSampleId :

S6-B1(0-8)C

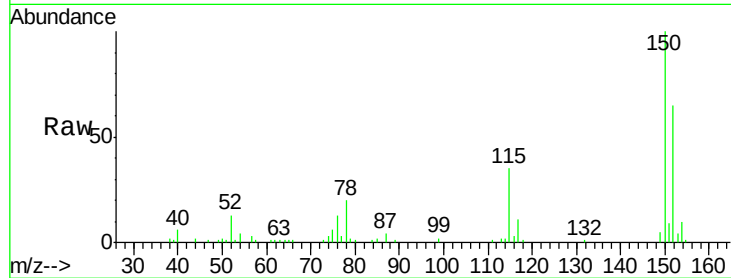
Tgt Ion:152 Resp: 40293

Ion Ratio Lower Upper

152 100

150 154.2 130.1 195.1

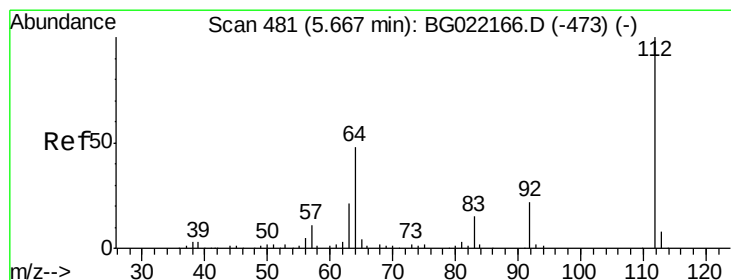
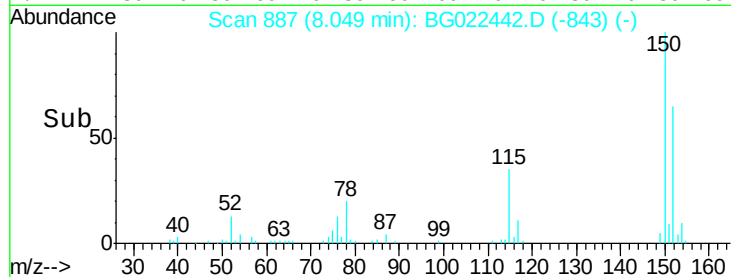
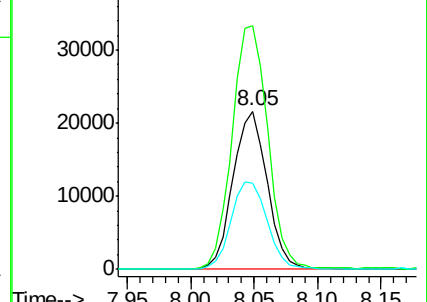
115 54.7 62.2 93.2#



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: 169.90 ng

RT: 5.61 min Scan# 472

Delta R.T. -0.02 min

Lab File: BG022442.D

Acq: 19 Jun 2016 3:18

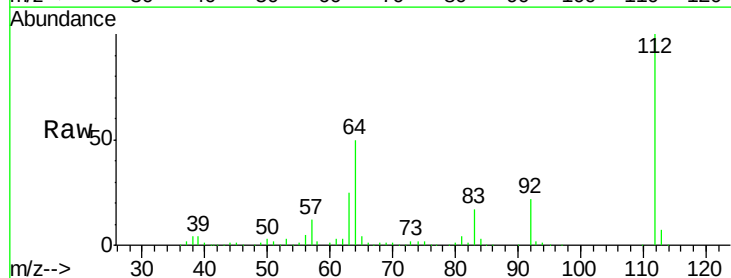
Tgt Ion:112 Resp: 354076

Ion Ratio Lower Upper

112 100

64 49.8 51.1 76.7#

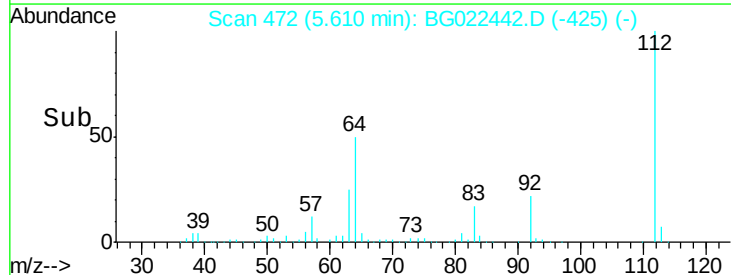
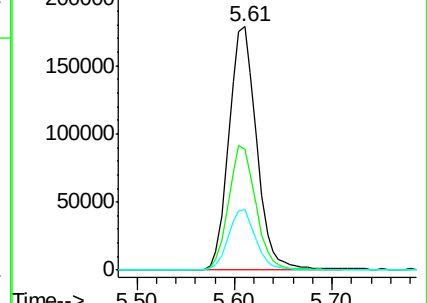
63 24.7 24.6 37.0

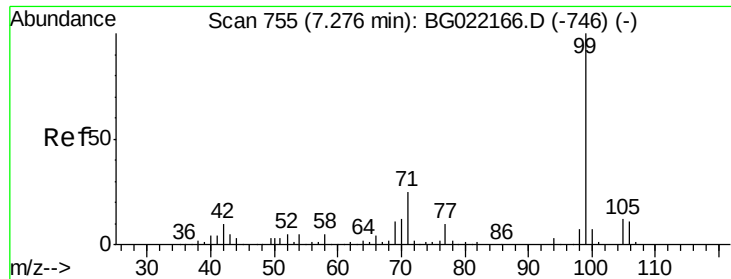


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BGC

Ion 63.00 (62.70 to 63.70): BGC





#7

Phenol-d6

Concen: 159.02 ng

RT: 7.24 min Scan# 749

Delta R.T. -0.01 min

Lab File: BG022442.D

Acq: 19 Jun 2016 3:18

Instrument :

BNA_G

ClientSampleId :

S6-B1(0-8)C

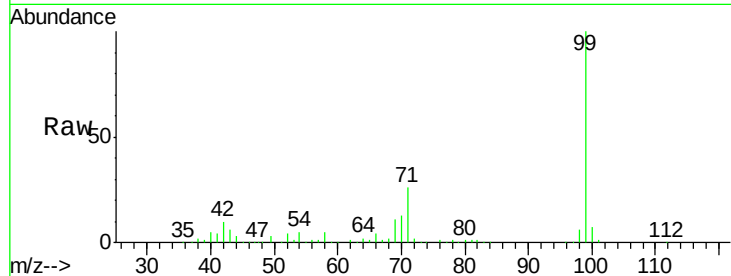
Tgt Ion: 99 Resp: 521040

Ion Ratio Lower Upper

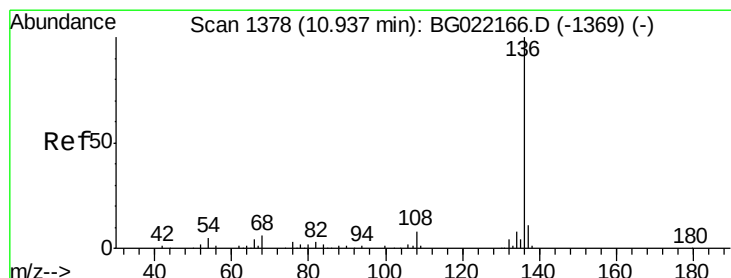
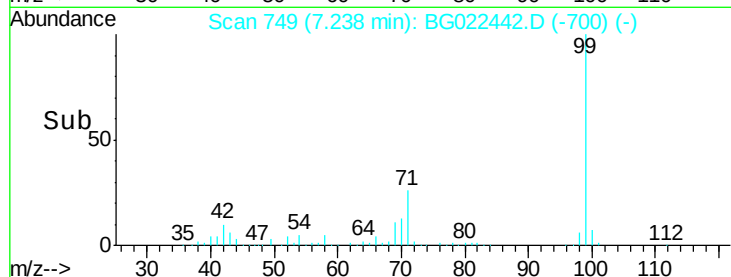
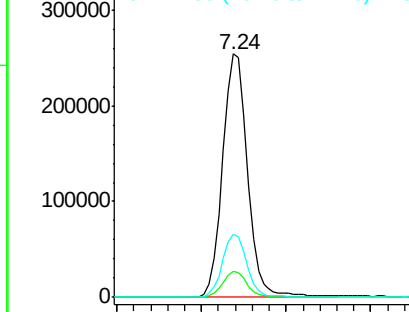
99 100

42 10.5 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: 10.87 min Scan# 1367

Delta R.T. -0.04 min

Lab File: BG022442.D

Acq: 19 Jun 2016 3:18

Tgt Ion: 136 Resp: 191309

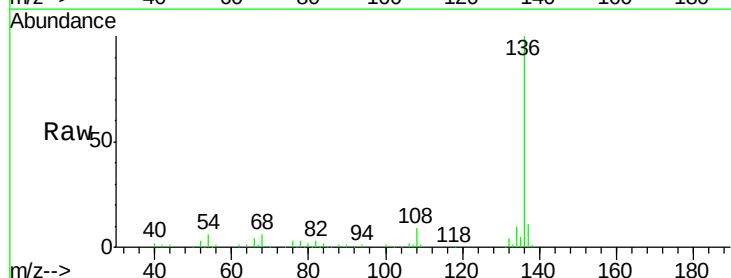
Ion Ratio Lower Upper

136 100

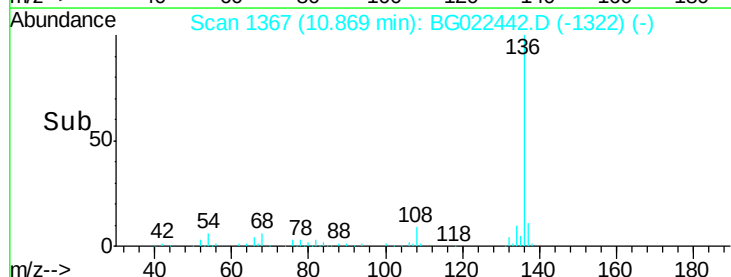
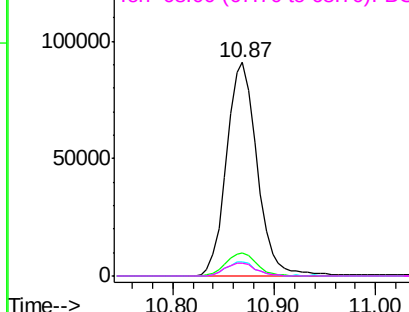
137 10.9 9.0 13.4

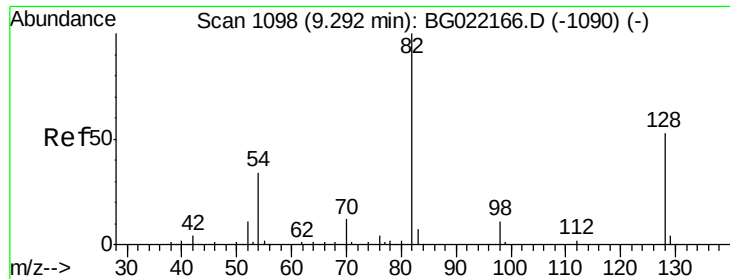
54 6.5 9.6 14.4#

68 6.2 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

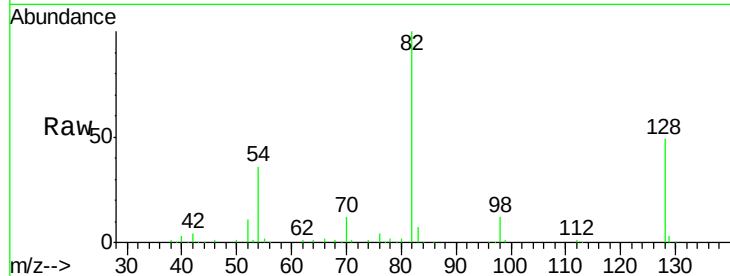




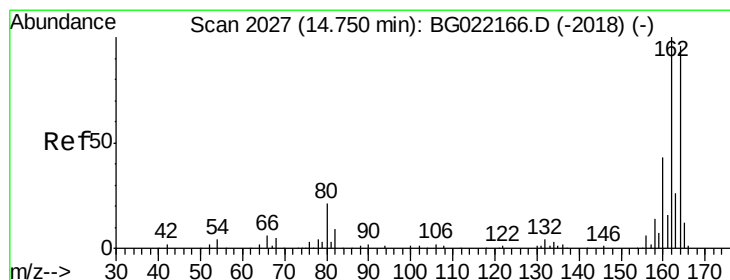
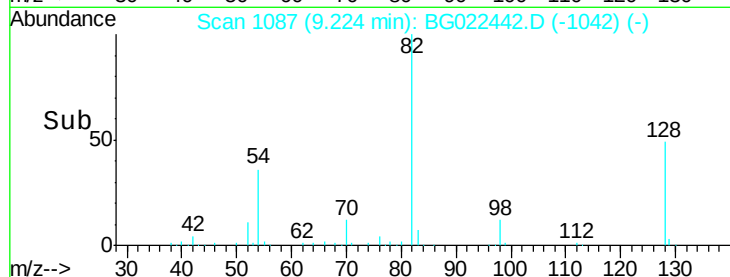
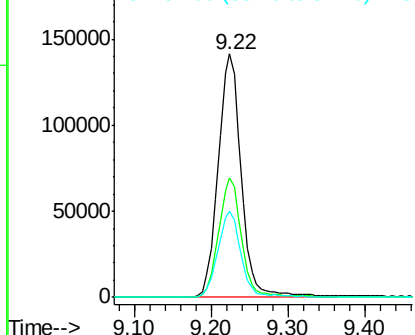
#23
 Nitrobenzene-d5
 Concen: 107.05 ng
 RT: 9.22 min Scan# 1087
 Delta R.T. -0.04 min
 Lab File: BG022442.D
 Acq: 19 Jun 2016 3:18

Instrument :
 BNA_G
 ClientSampleId :
 S6-B1(0-8)C

Tgt Ion: 82 Resp: 293753
 Ion Ratio Lower Upper
 82 100
 128 49.2 33.4 50.0
 54 35.6 46.1 69.1#

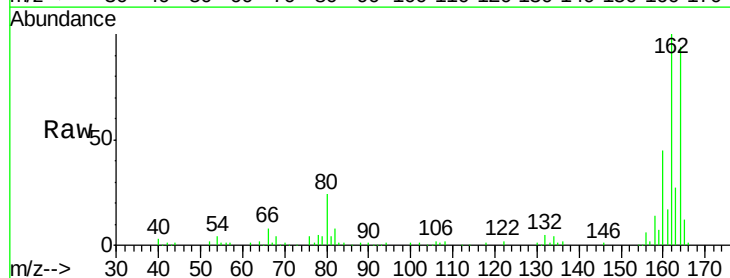


Abundance Ion 82.00 (81.70 to 82.70): BGC
 Ion 128.00 (127.70 to 128.70): BGC
 Ion 54.00 (53.70 to 54.70): BGC

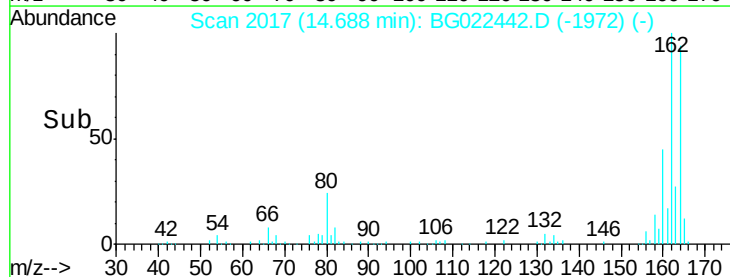
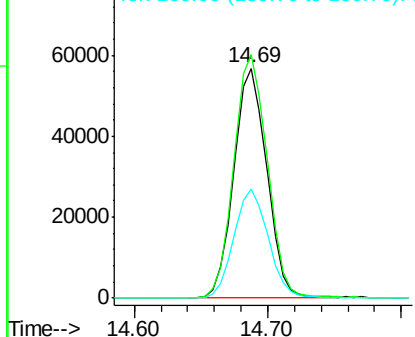


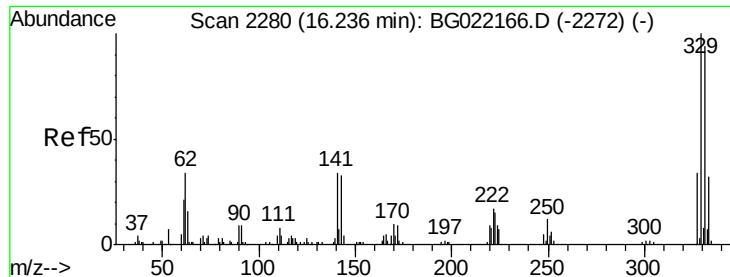
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 14.69 min Scan# 2017
 Delta R.T. -0.04 min
 Lab File: BG022442.D
 Acq: 19 Jun 2016 3:18

Tgt Ion: 164 Resp: 97477
 Ion Ratio Lower Upper
 164 100
 162 106.0 78.0 117.0
 160 47.6 32.9 49.3



Abundance Ion 164.00 (163.70 to 164.70): BGC
 Ion 162.00 (161.70 to 162.70): BGC
 Ion 160.00 (159.70 to 160.70): BGC

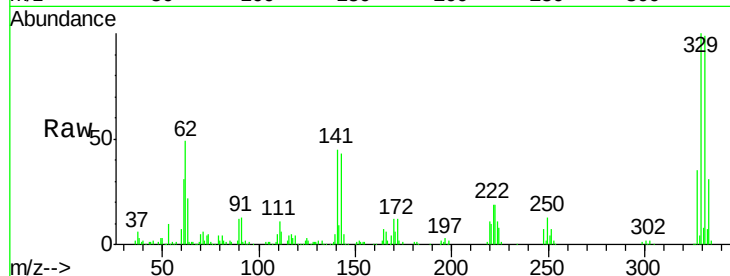




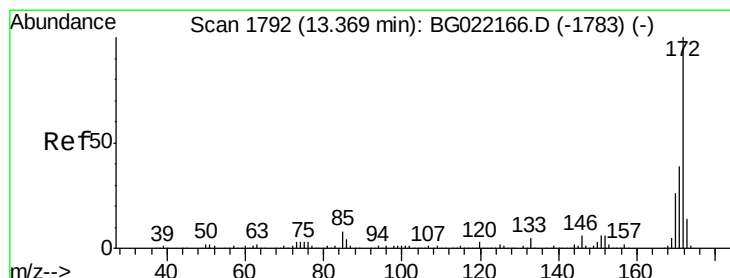
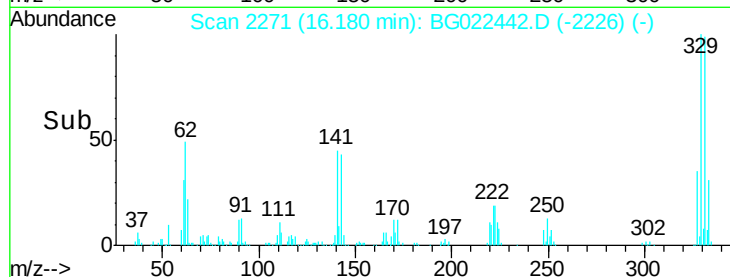
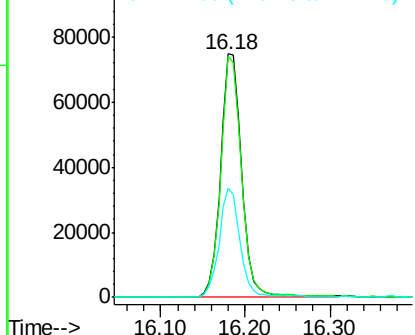
#41
 2,4,6-Tribromophenol
 Concen: 118.23 ng
 RT: 16.18 min Scan# 2271
 Delta R.T. -0.04 min
 Lab File: BG022442.D
 Acq: 19 Jun 2016 3:18

Instrument :
 BNA_G
 ClientSampleId :
 S6-B1(0-8)C

Tgt Ion	Ratio	Lower	Upper
330	100		
332	97.4	78.0	117.0
141	44.1	33.8	50.8

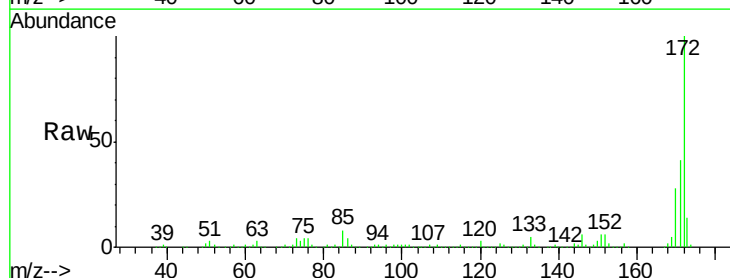


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

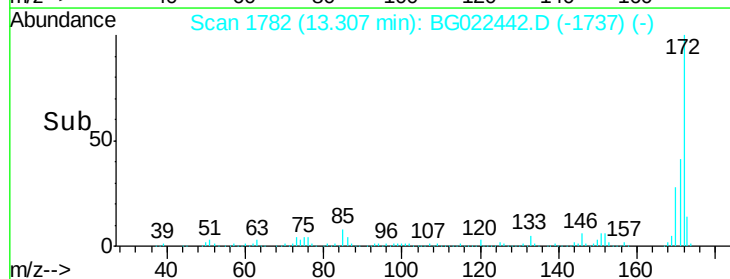
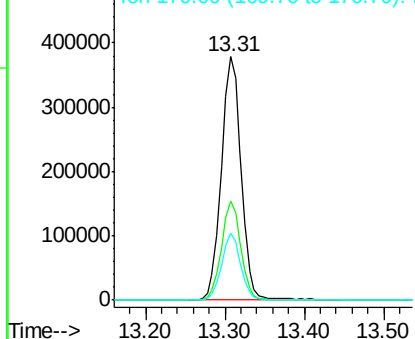


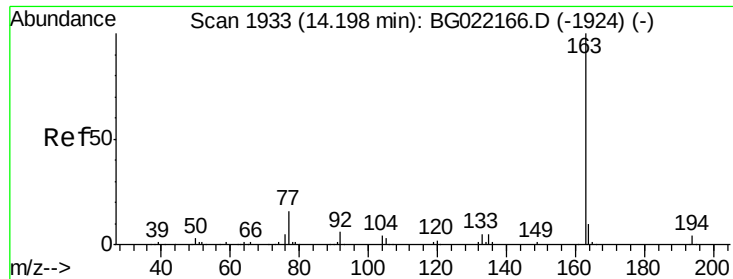
#44
 2-Fluorobiphenyl
 Concen: 102.36 ng
 RT: 13.31 min Scan# 1782
 Delta R.T. -0.04 min
 Lab File: BG022442.D
 Acq: 19 Jun 2016 3:18

Tgt Ion	Ratio	Lower	Upper
172	100		
171	40.8	27.8	41.6
170	27.6	19.6	29.4



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





#49

Dimethylphthalate

Concen: 12.01 ng

RT: 14.13 min Scan# 1922

Delta R.T. -0.04 min

Lab File: BG022442.D

Acq: 19 Jun 2016 3:18

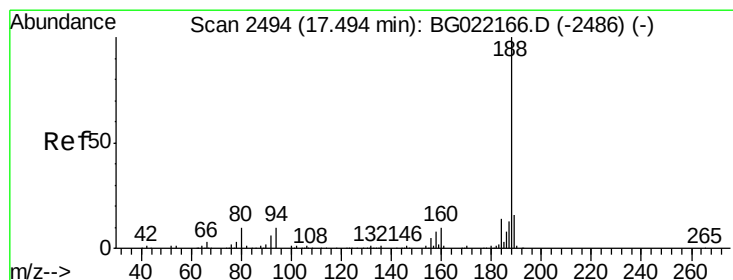
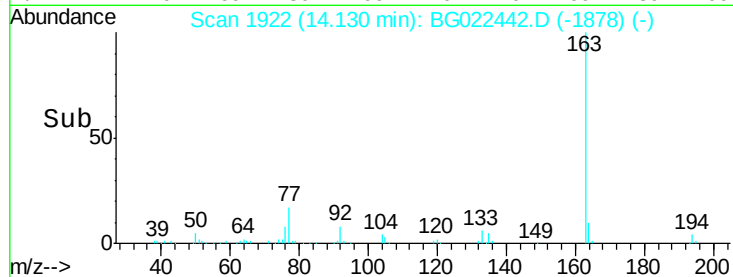
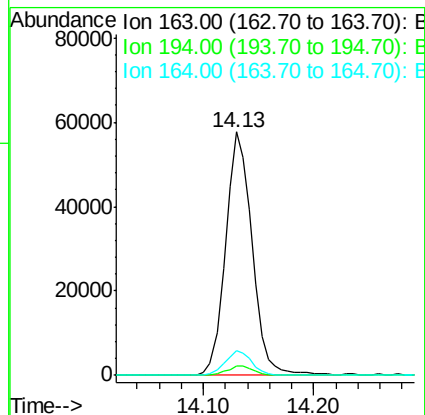
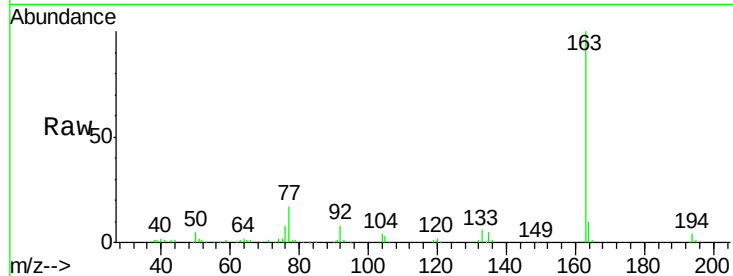
Instrument :

BNA_G

ClientSampleId :

S6-B1(0-8)C

Tgt Ion:	163	Resp:	97034
Ion	Ratio	Lower	Upper
163	100		
194	3.8	3.0	4.6
164	10.2	8.1	12.1



#63

Phenanthrene-d10

Concen: 20.00 ng

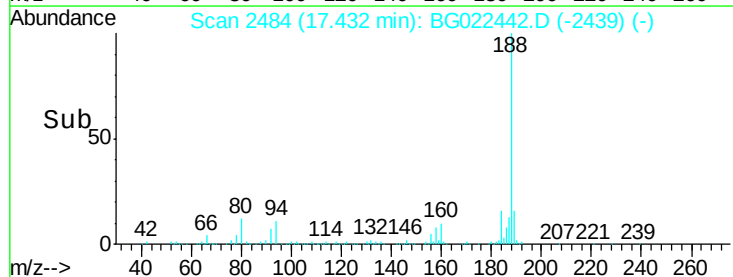
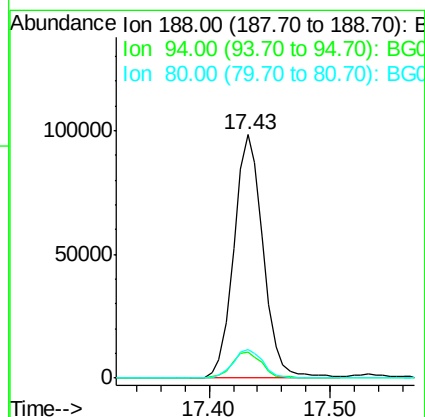
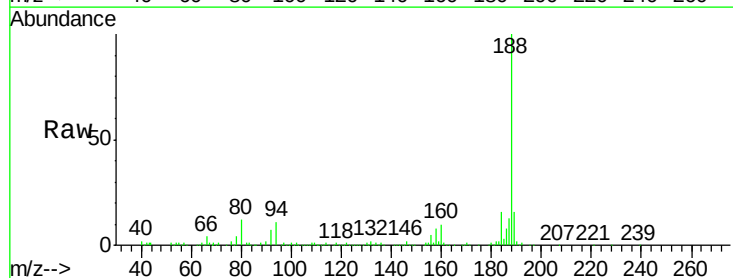
RT: 17.43 min Scan# 2484

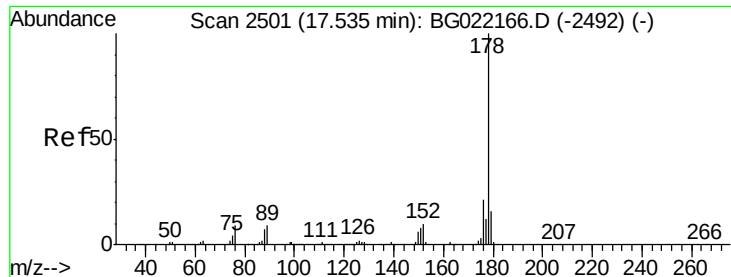
Delta R.T. -0.04 min

Lab File: BG022442.D

Acq: 19 Jun 2016 3:18

Tgt Ion:	188	Resp:	166072
Ion	Ratio	Lower	Upper
188	100		
94	10.6	7.5	11.3
80	11.8	8.6	13.0





#70

Phenanthrene

Concen: 6.43 ng

RT: 17.47 min Scan# 2491

Delta R.T. -0.04 min

Lab File: BG022442.D

Acq: 19 Jun 2016 3:18

Instrument :

BNA_G

ClientSampleId :

S6-B1(0-8)C

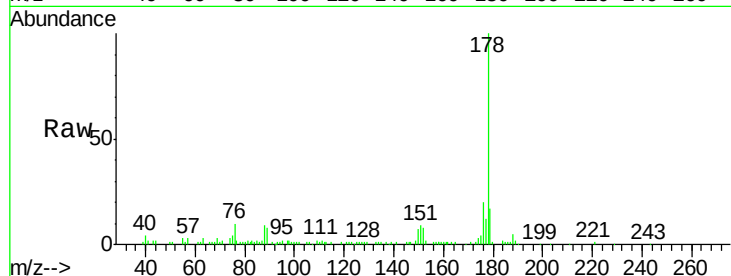
Tgt Ion:178 Resp: 57992

Ion Ratio Lower Upper

178 100

176 20.4 16.2 24.4

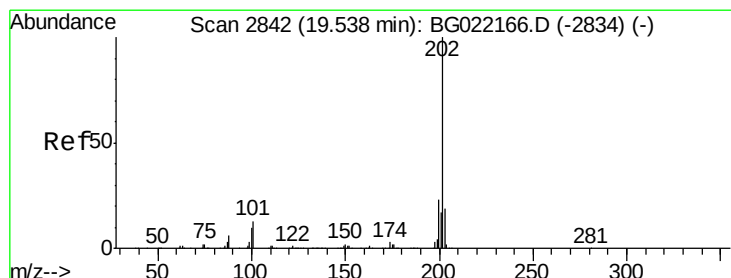
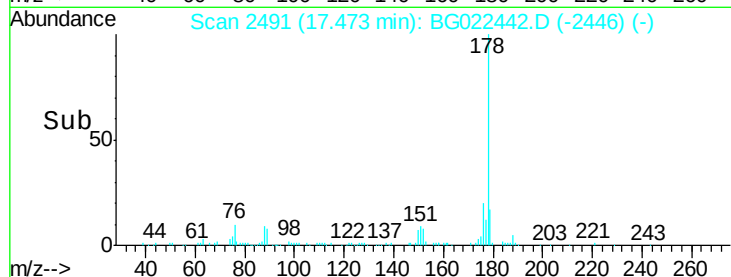
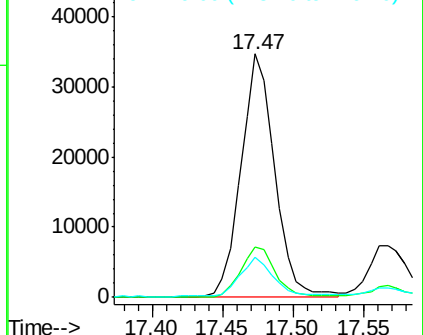
179 16.5 12.0 18.0



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: 7.38 ng

RT: 19.48 min Scan# 2833

Delta R.T. -0.03 min

Lab File: BG022442.D

Acq: 19 Jun 2016 3:18

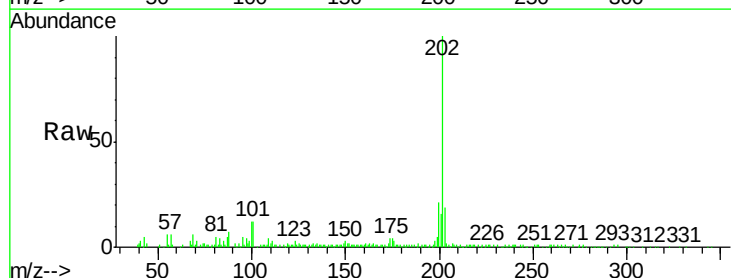
Tgt Ion:202 Resp: 76494

Ion Ratio Lower Upper

202 100

101 12.0 0.0 31.0

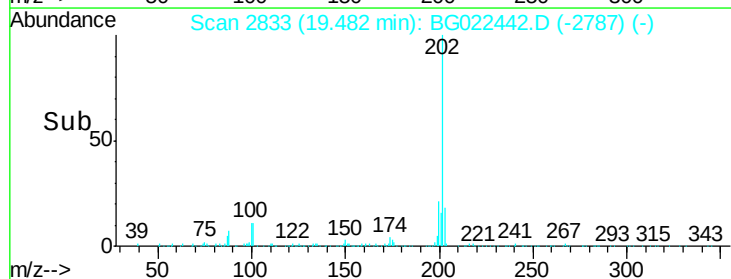
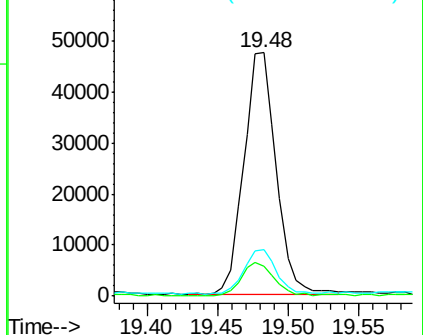
203 19.0 0.0 37.9

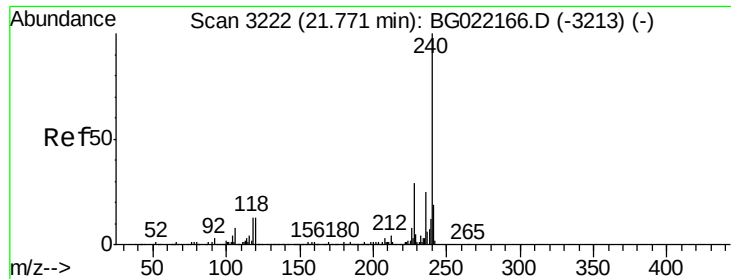


Abundance Ion 202.00 (201.70 to 202.70): E

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: 21.70 min Scan# 3210

Delta R.T. -0.04 min

Lab File: BG022442.D

Acq: 19 Jun 2016 3:18

Instrument :

BNA_G

ClientSampleId :

S6-B1(0-8)C

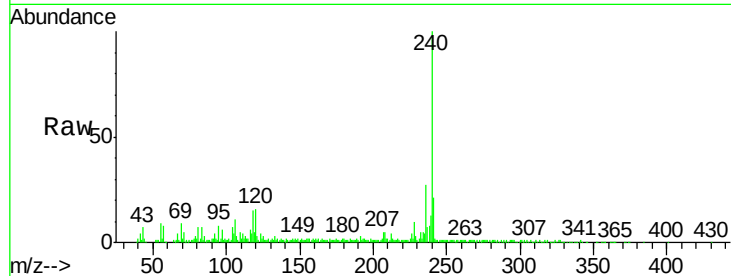
Tgt Ion:240 Resp: 134564

Ion Ratio Lower Upper

240 100

120 16.0 8.4 12.6#

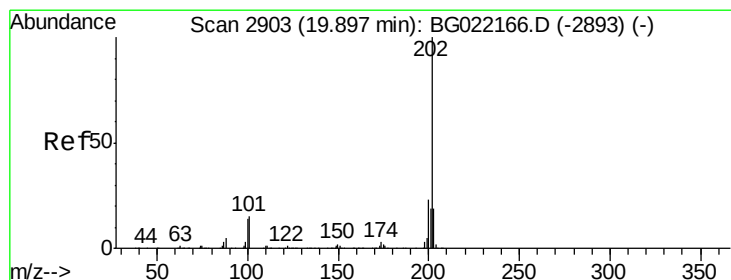
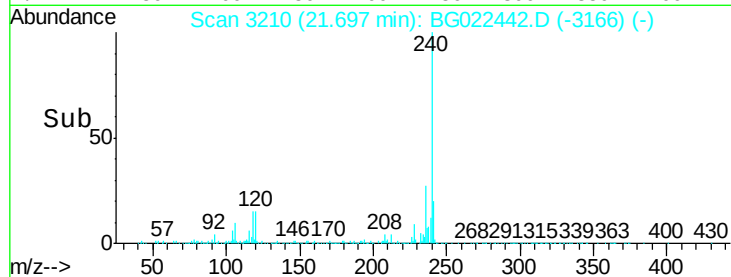
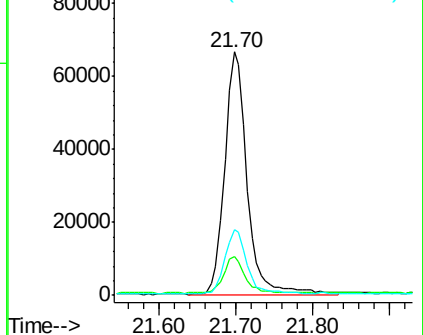
236 27.0 19.6 29.4



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: 9.34 ng

RT: 19.84 min Scan# 2894

Delta R.T. -0.04 min

Lab File: BG022442.D

Acq: 19 Jun 2016 3:18

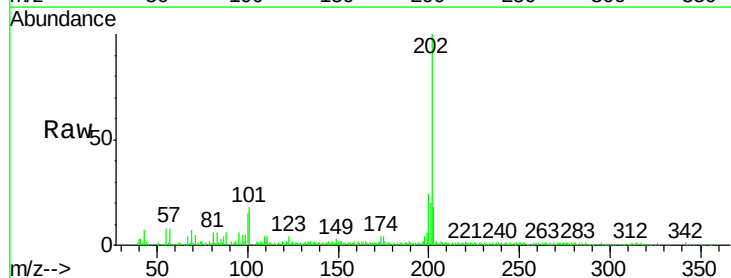
Tgt Ion:202 Resp: 78146

Ion Ratio Lower Upper

202 100

200 23.9 18.2 27.2

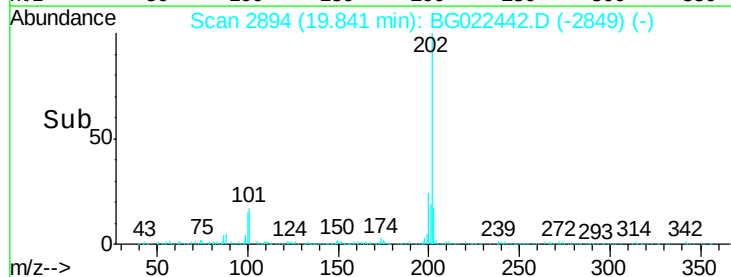
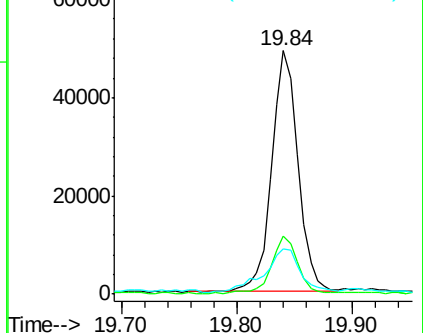
203 18.4 15.0 22.4

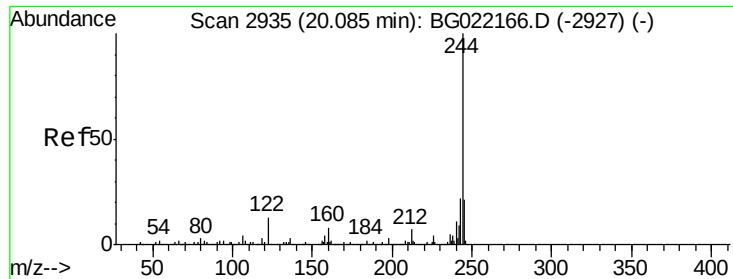


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 90.33 ng

RT: 20.03 min Scan# 2926

Delta R.T. -0.03 min

Lab File: BG022442.D

Acq: 19 Jun 2016 3:18

Instrument :

BNA_G

ClientSampleId :

S6-B1(0-8)C

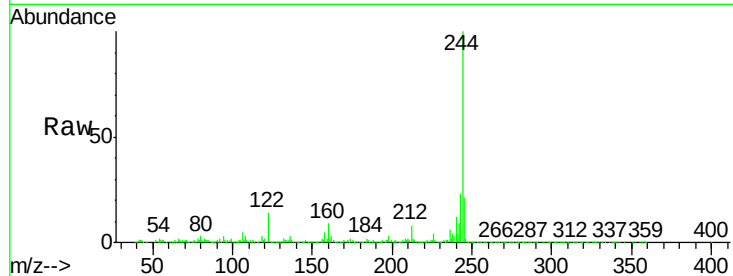
Tgt Ion:244 Resp: 511990

Ion Ratio Lower Upper

244 100

212 8.1 6.5 9.7

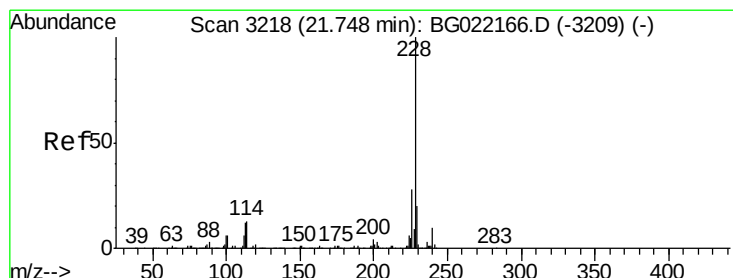
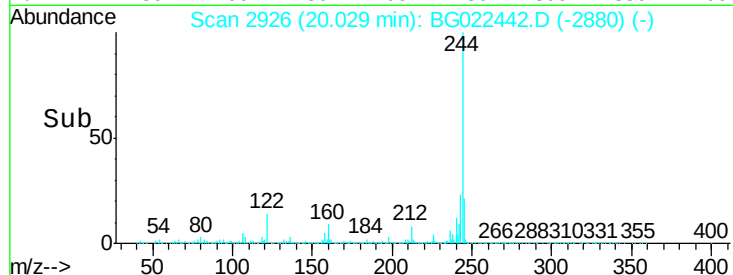
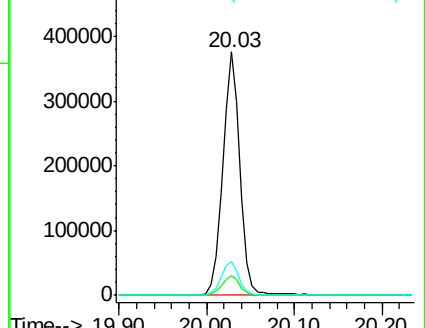
122 13.6 8.6 12.8#



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: 4.19 ng

RT: 21.68 min Scan# 3207

Delta R.T. -0.04 min

Lab File: BG022442.D

Acq: 19 Jun 2016 3:18

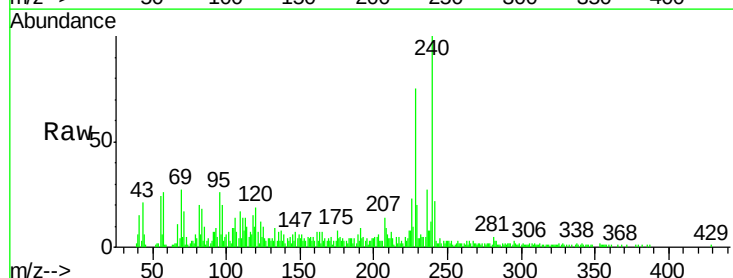
Tgt Ion:228 Resp: 31593

Ion Ratio Lower Upper

228 100

226 31.2 22.6 34.0

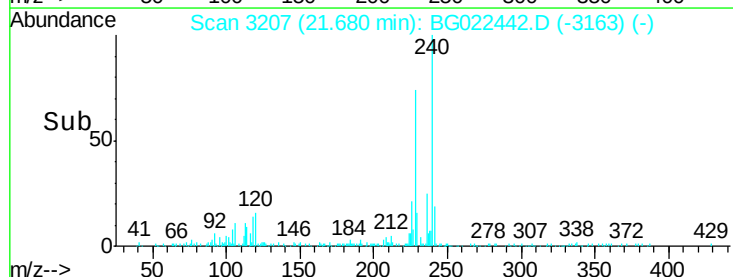
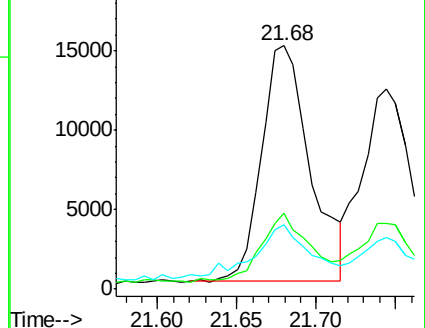
229 26.3 16.1 24.1#

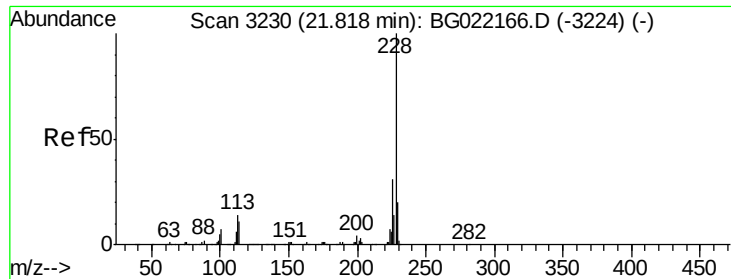


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

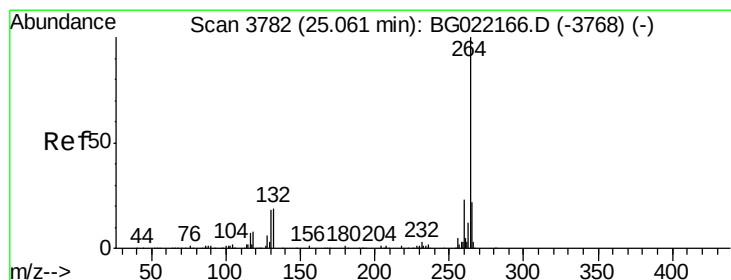
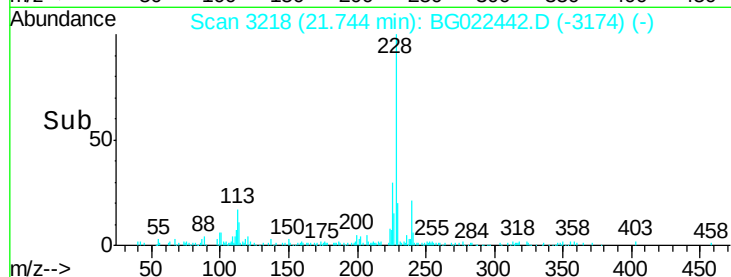
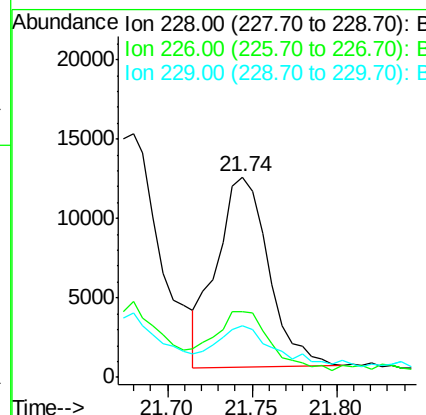
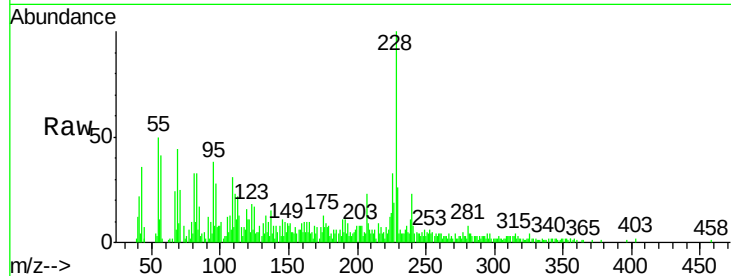




#82
Chrysene
Concen: 3.47 ng
RT: 21.74 min Scan# 3218
Delta R.T. -0.04 min
Lab File: BG022442.D
Acq: 19 Jun 2016 3:18

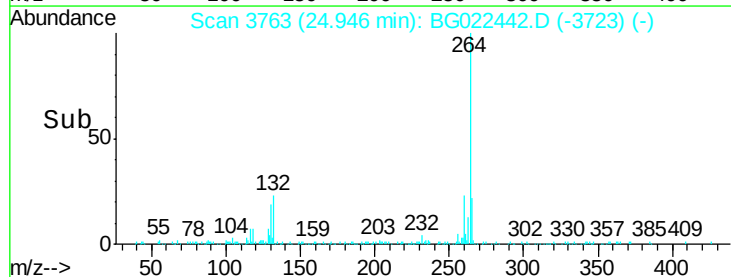
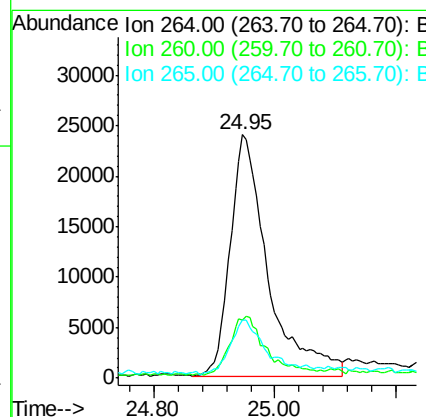
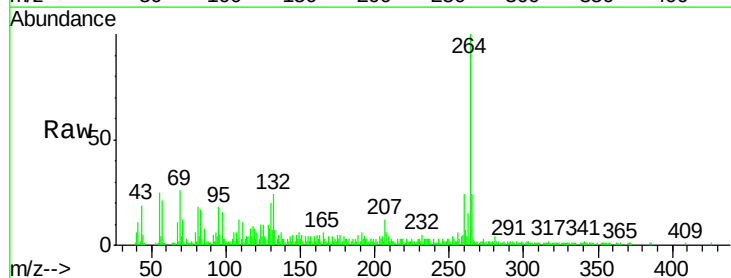
Instrument :
BNA_G
ClientSampleId :
S6-B1(0-8)C

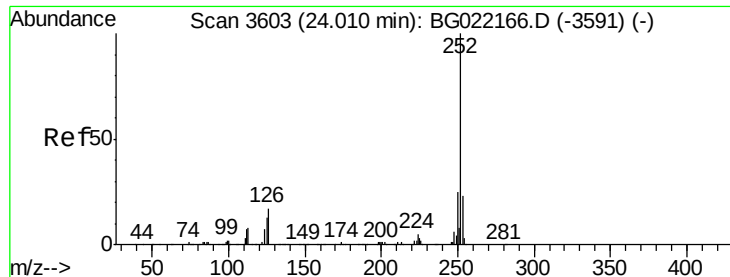
Tgt Ion:228 Resp: 25467
Ion Ratio Lower Upper
228 100
226 32.5 25.4 38.0
229 26.0 15.9 23.9#



#86
Perylene-d12
Concen: 20.00 ng
RT: 24.95 min Scan# 3763
Delta R.T. -0.07 min
Lab File: BG022442.D
Acq: 19 Jun 2016 3:18

Tgt Ion:264 Resp: 103546
Ion Ratio Lower Upper
264 100
260 23.7 20.2 30.4
265 23.6 17.8 26.8





#87

Benzo(b)fluoranthene

Concen: 3.37 ng

RT: 23.92 min Scan# 3588

Delta R.T. -0.05 min

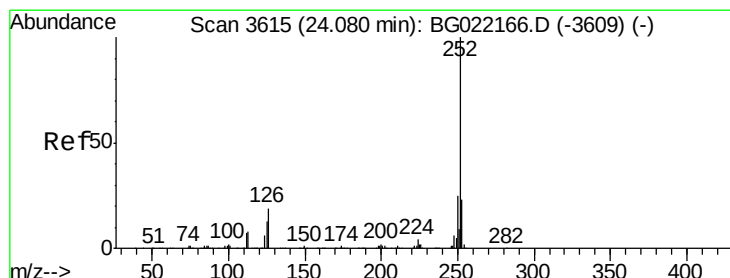
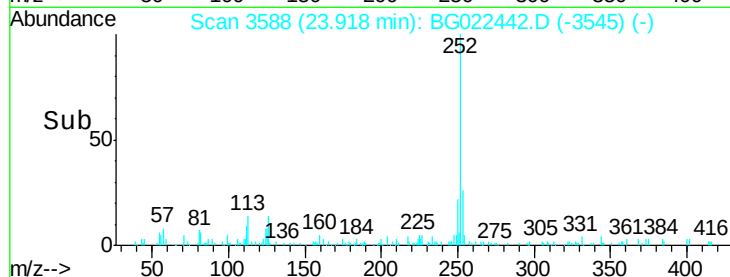
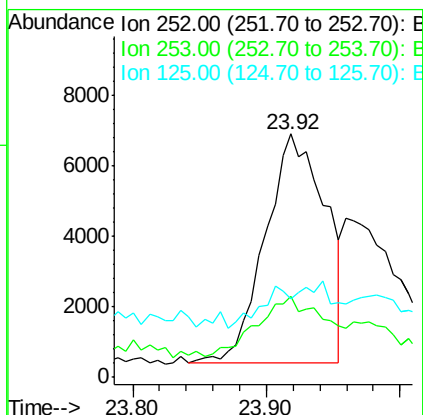
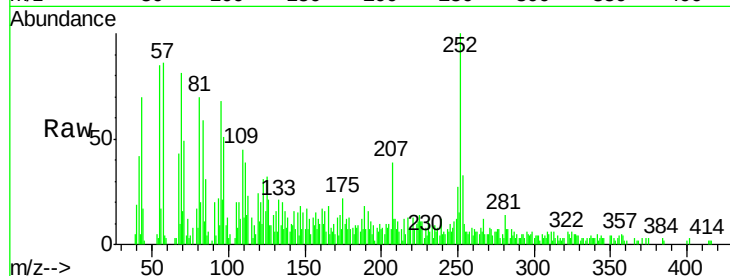
Lab File: BG022442.D

Acq: 19 Jun 2016 3:18

Instrument :
BNA_G
ClientSampleId :
S6-B1(0-8)C

Tgt Ion:252 Resp: 20352

Ion	Ratio	Lower	Upper
252	100		
253	33.5	17.5	26.3#
125	32.1	8.6	13.0#



#88

Benzo(k)fluoranthene

Concen: 3.42 ng

RT: 23.92 min Scan# 3588

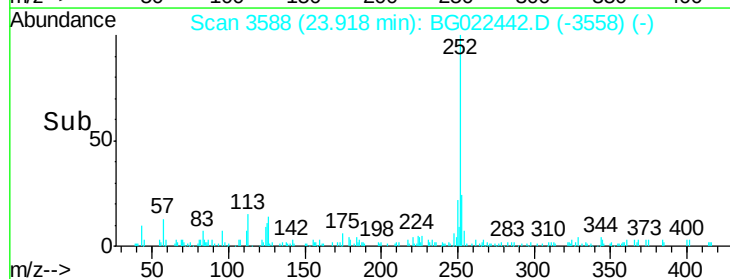
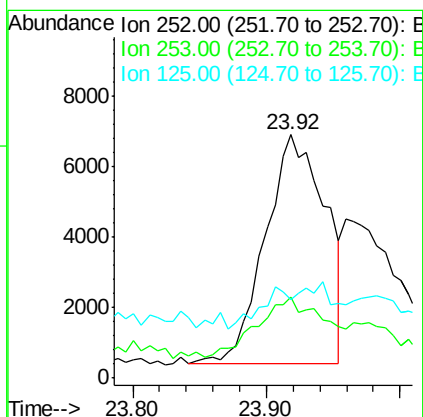
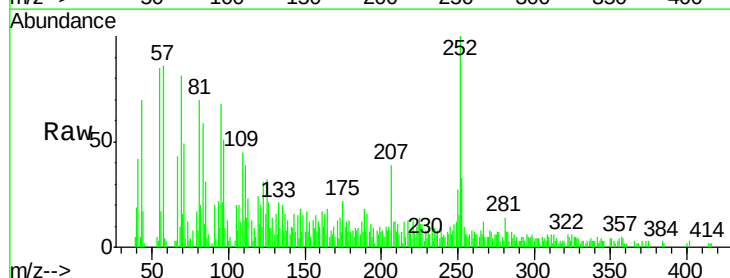
Delta R.T. -0.12 min

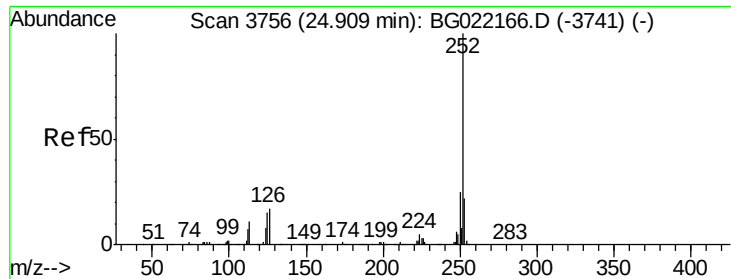
Lab File: BG022442.D

Acq: 19 Jun 2016 3:18

Tgt Ion:252 Resp: 20352

Ion	Ratio	Lower	Upper
252	100		
253	33.5	17.8	26.8#
125	32.1	8.3	12.5#





#89

Benzo(a)pyrene

Concen: 2.65 ng

RT: 24.81 min Scan# 3739

Delta R.T. -0.05 min

Lab File: BG022442.D

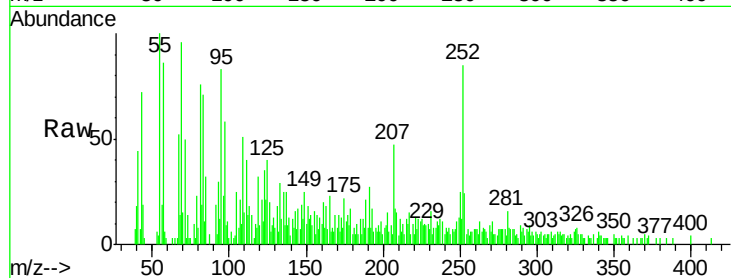
Acq: 19 Jun 2016 3:18

Instrument :

BNA_G

ClientSampleId :

S6-B1(0-8)C



Tgt Ion:	252	Resp:	15311
Ion	Ratio	Lower	Upper
252	100		
253	28.0	17.1	25.7#
125	46.9	9.6	14.4#

