

Data Path : S:\HPCHEM1\BNA_G\DATA\BG072015\
 Data File : BG017984.D
 Acq On : 20 Jul 2015 12:18
 Operator : TP/UM
 Sample : G2976-03
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 BRIDGE14-6(0-2)

Quant Time: Jul 20 17:33:03 2015
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG071715.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Jul 18 01:50:30 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.58	152	146416	20.00	ng	0.00
21) Naphthalene-d8	10.36	136	648004	20.00	ng	0.00
38) Acenaphthene-d10	14.25	164	391034	20.00	ng	0.00
63) Phenanthrene-d10	17.00	188	757733	20.00	ng	0.00
75) Chrysene-d12	21.20	240	752662	20.00	ng	0.00
86) Perylene-d12	23.42	264	756859	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.20	112	799934	95.31	ng	0.00
7) Phenol-d6	6.77	99	1022473	92.99	ng	0.00
23) Nitrobenzene-d5	8.74	82	608321	60.80	ng	0.00
41) 2,4,6-Tribromophenol	15.74	330	366541	92.52	ng	0.00
44) 2-Fluorobiphenyl	12.86	172	1258846	55.79	ng	0.00
78) Terphenyl-d14	19.64	244	1469657	49.19	ng	0.00

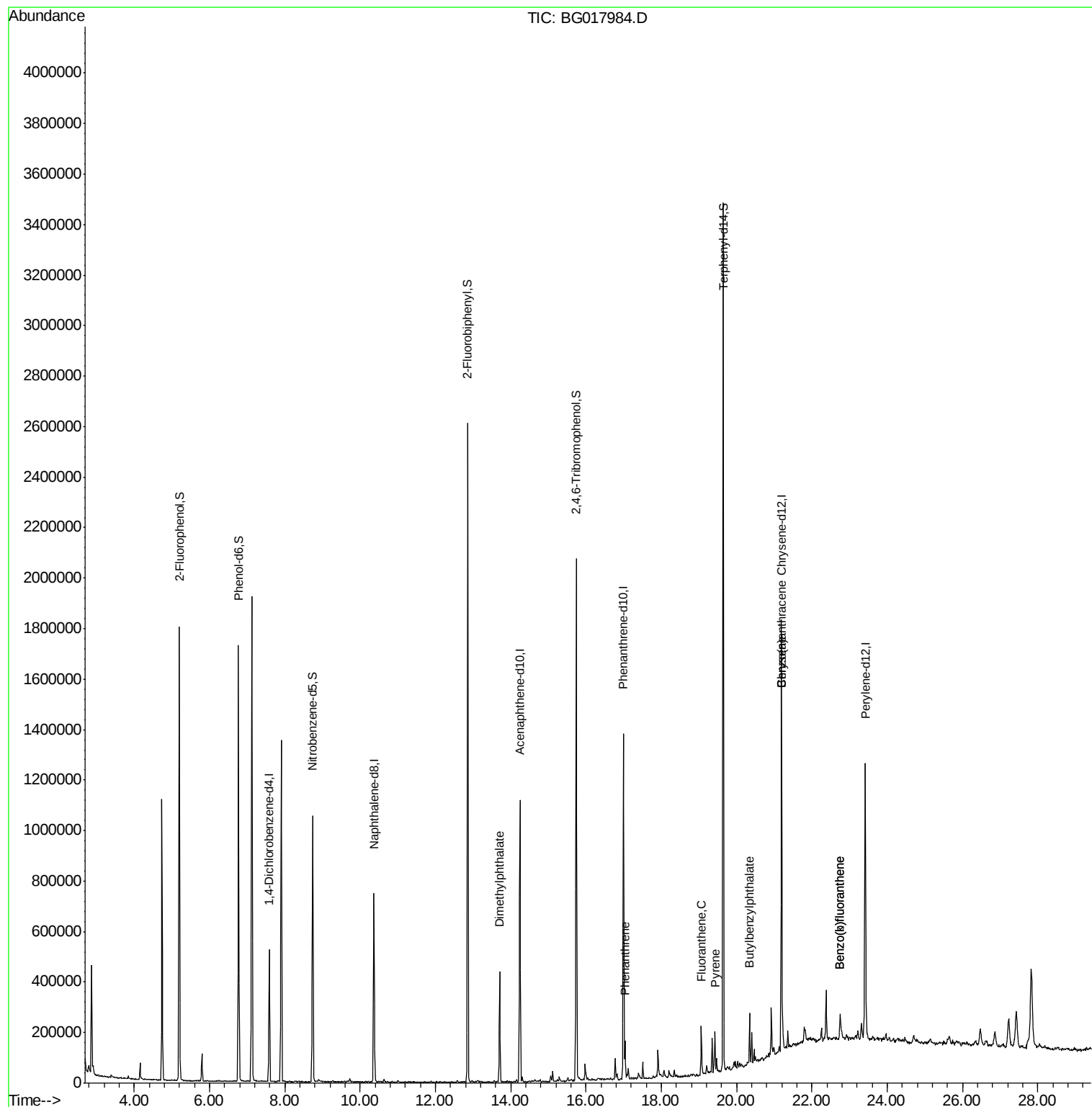
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
49) Dimethylphthalate	13.70	163	277103	10.20	ng	99
70) Phenanthrene	17.04	178	85735	2.19	ng	98
74) Fluoranthene	19.06	202	104794	2.45	ng	97
77) Pyrene	19.43	202	81167	1.93	ng	94
79) Butylbenzylphthalate	20.34	149	56214	2.99	ng	93
80) Benzo(a)anthracene	21.18	228	44348	1.12	ng	95
82) Chrysene	21.18	228	44348	1.17	ng	91
87) Benzo(b)fluoranthene	22.75	252	50468	1.22	ng	98
88) Benzo(k)fluoranthene	22.75	252	50468	1.22	ng	# 97

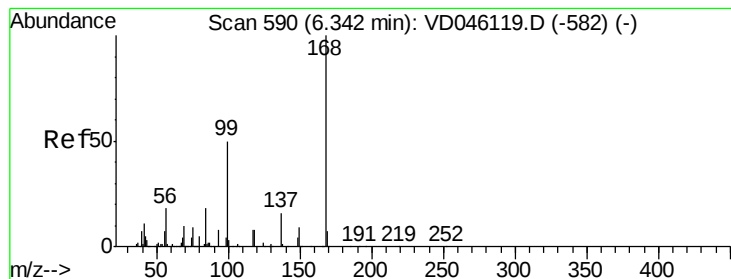
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 7.58 min Scan# 833

Delta R.T. -0.01 min

Lab File: BG017984.D

Acq: 20 Jul 2015 12:18

Instrument :

BNA_G

ClientSampleId :

BRIDGE14-6(0-2)

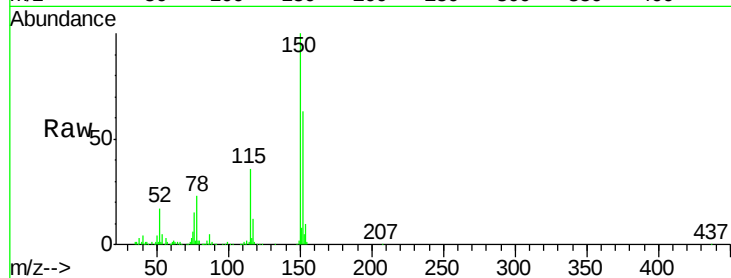
Tgt Ion:152 Resp: 146416

Ion Ratio Lower Upper

152 100

150 157.8 119.1 178.7

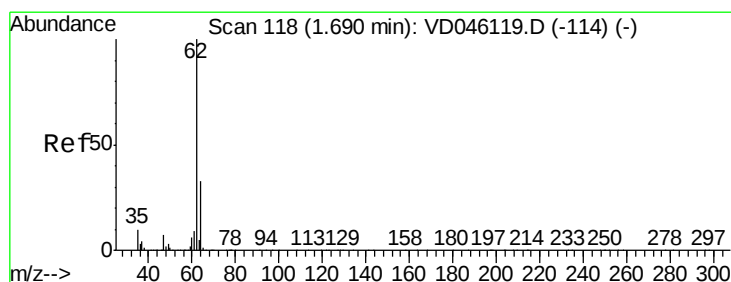
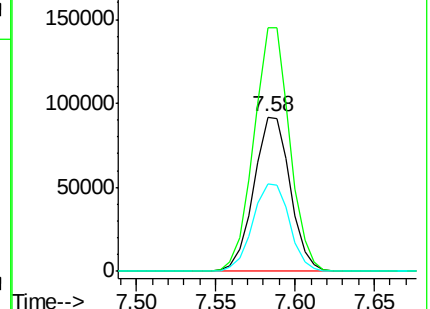
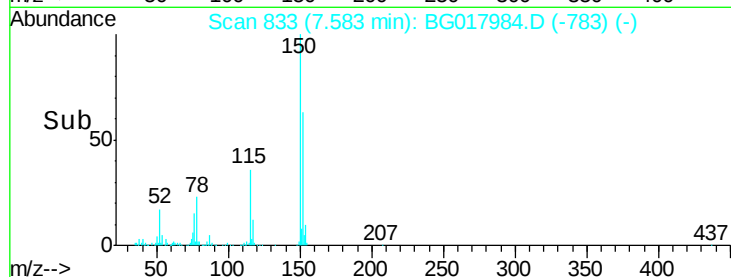
115 56.5 47.0 70.4



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: Below ng

RT: 5.20 min Scan# 427

Delta R.T. 0.01 min

Lab File: BG017984.D

Acq: 20 Jul 2015 12:18

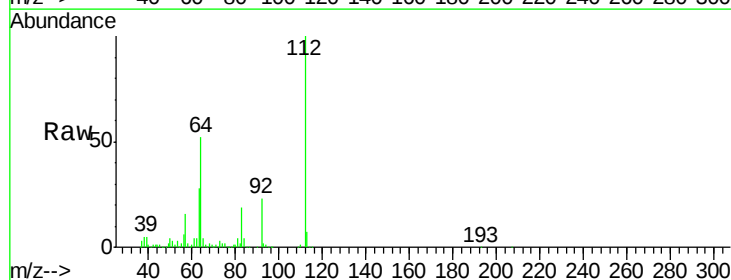
Tgt Ion:112 Resp: 799934

Ion Ratio Lower Upper

112 100

64 51.5 45.4 68.0

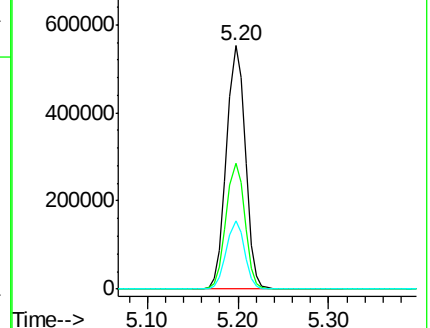
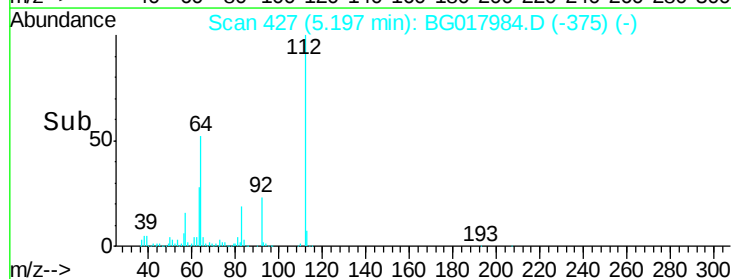
63 28.1 25.3 37.9

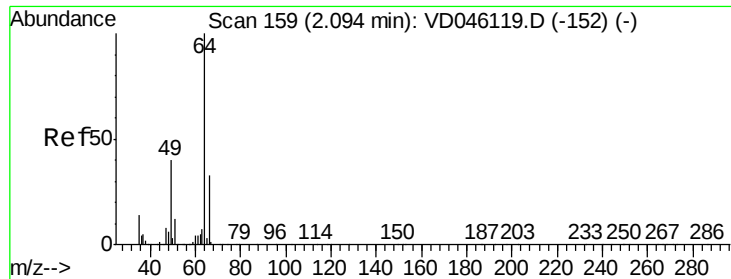


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BGC

Ion 63.00 (62.70 to 63.70): BGC





#7

Phenol-d6

Concen: Below ng

RT: 6.77 min Scan# 695

Delta R.T. 0.01 min

Lab File: BG017984.D

Acq: 20 Jul 2015 12:18

Instrument :

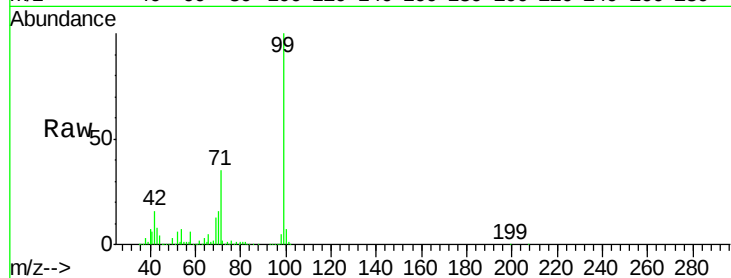
BNA_G

ClientSampleId :

BRIDGE14-6(0-2)

Tgt Ion: 99 Resp: 1022473

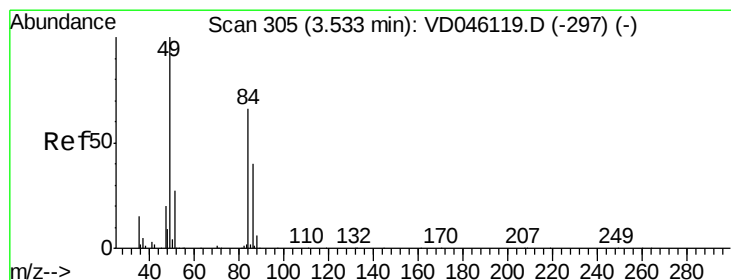
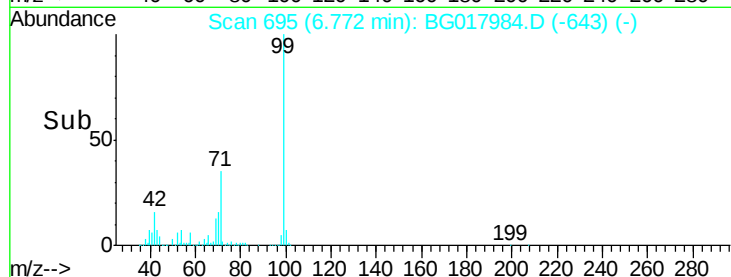
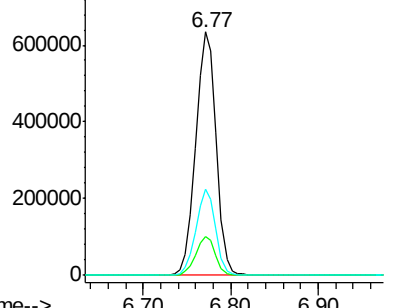
Ion	Ratio	Lower	Upper
99	100		
42	15.8	16.2	24.4#
71	35.2	29.5	44.3



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: 10.36 min Scan# 1306

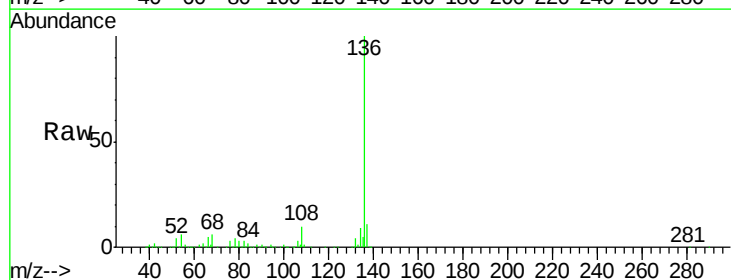
Delta R.T. -0.01 min

Lab File: BG017984.D

Acq: 20 Jul 2015 12:18

Tgt Ion: 136 Resp: 648004

Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.8	13.2
54	6.3	6.6	9.8#
68	5.8	5.1	7.7

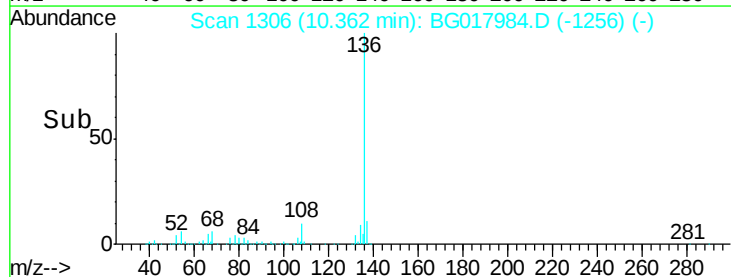
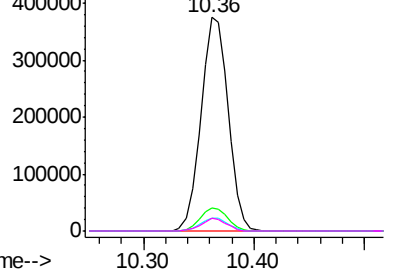


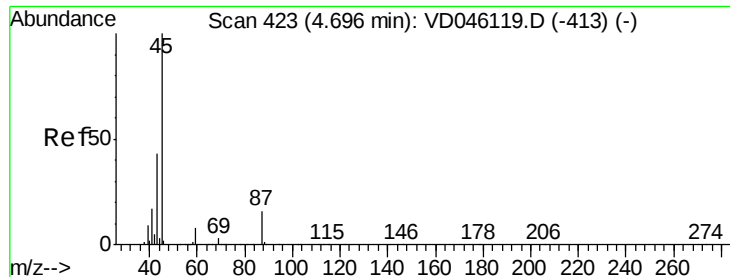
Abundance Ion 136.00 (135.70 to 136.70): BGC

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: Below ng

RT: 8.74 min Scan# 1030

Delta R.T. 0.00 min

Lab File: BG017984.D

Acq: 20 Jul 2015 12:18

Instrument :

BNA_G

ClientSampleId :

BRIDGE14-6(0-2)

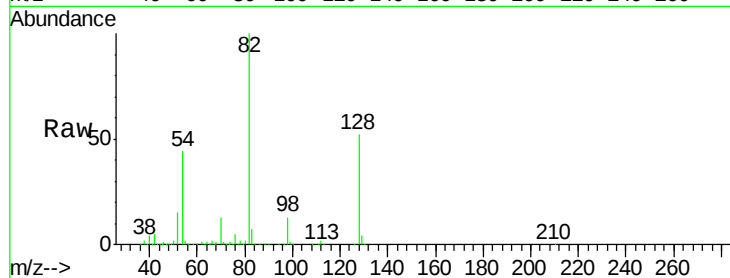
Tgt Ion: 82 Resp: 608321

Ion Ratio Lower Upper

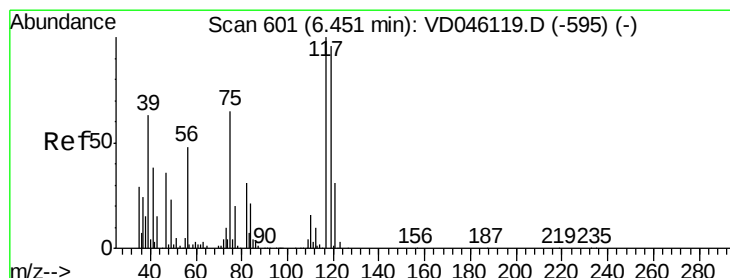
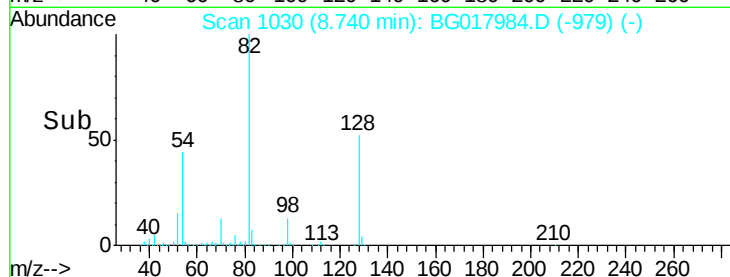
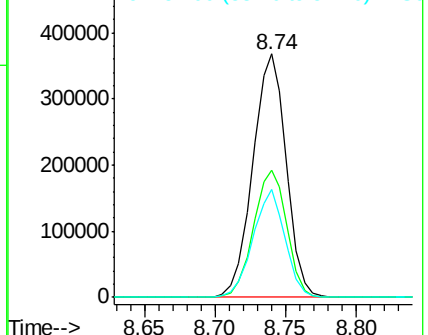
82 100

128 52.0 37.8 56.6

54 44.3 39.9 59.9



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: 14.25 min Scan# 1967

Delta R.T. 0.00 min

Lab File: BG017984.D

Acq: 20 Jul 2015 12:18

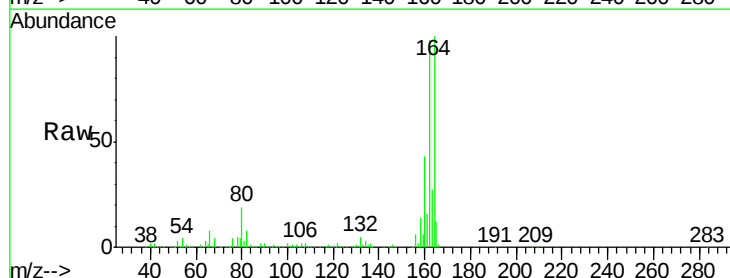
Tgt Ion:164 Resp: 391034

Ion Ratio Lower Upper

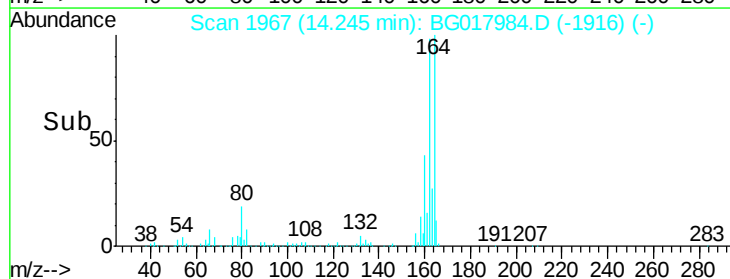
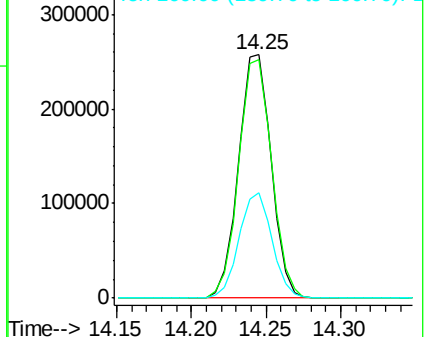
164 100

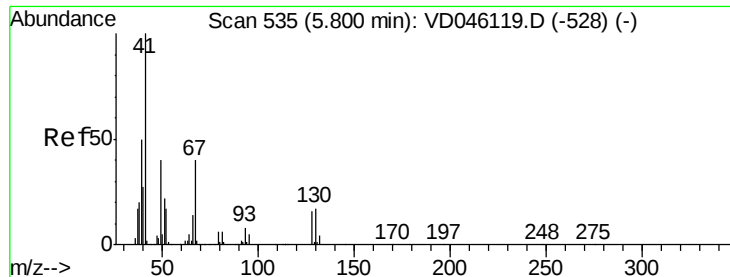
162 97.7 76.3 114.5

160 43.4 33.7 50.5



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

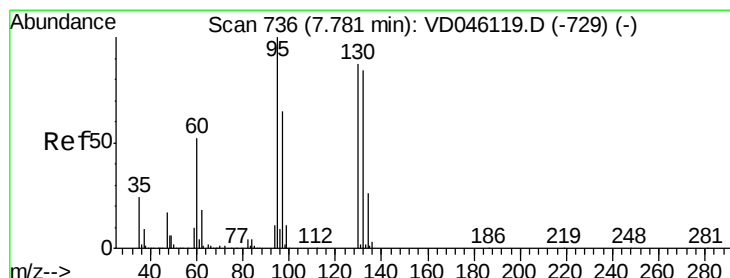
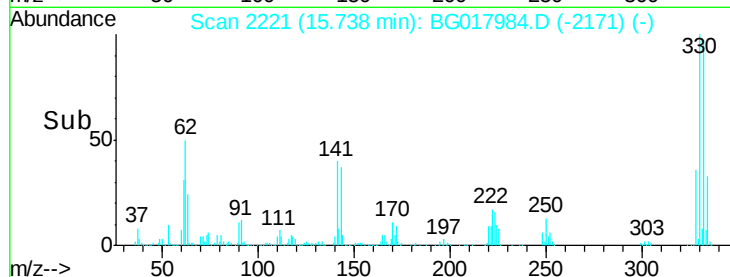
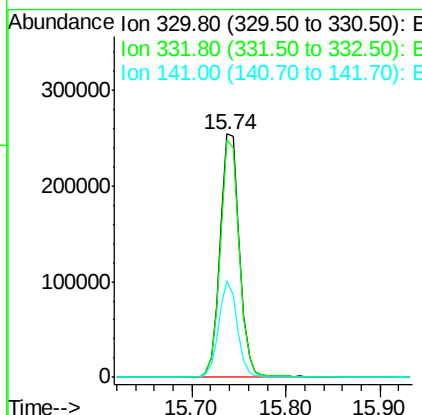
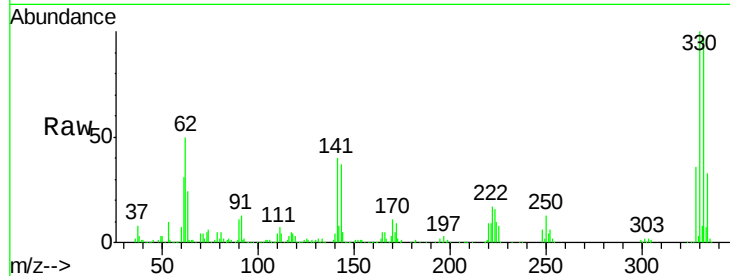




#41
 2,4,6-Tribromophenol
 Concen: N.D. ng
 RT: 15.74 min Scan# 2221
 Delta R.T. -0.01 min
 Lab File: BG017984.D
 Acq: 20 Jul 2015 12:18

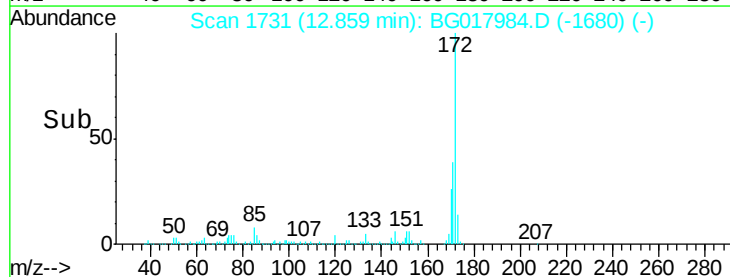
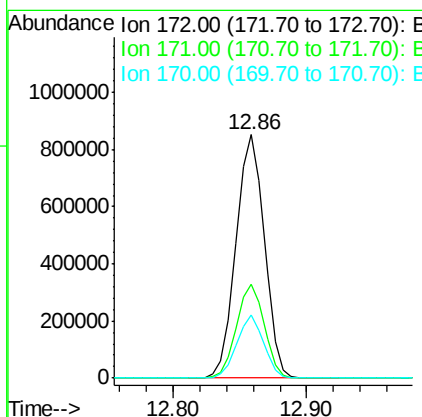
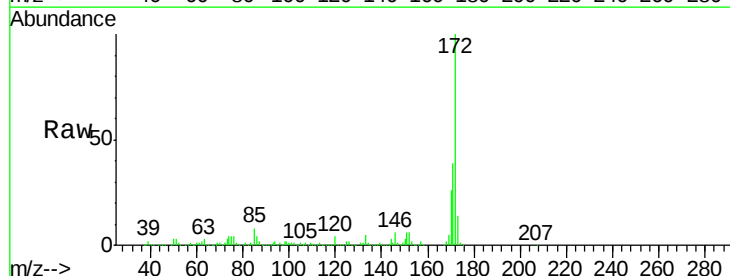
Instrument :
 BNA_G
 ClientSampleId :
 BRIDGE14-6(0-2)

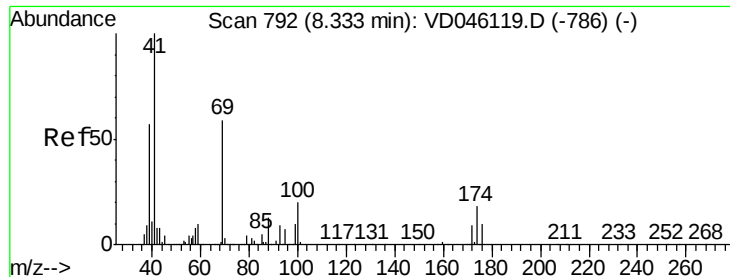
Tgt Ion:330 Resp: 366541
 Ion Ratio Lower Upper
 330 100
 332 96.0 76.8 115.2
 141 38.0 38.0 57.0



#44
 2-Fluorobiphenyl
 Concen: N.D. ng
 RT: 12.86 min Scan# 1731
 Delta R.T. 0.00 min
 Lab File: BG017984.D
 Acq: 20 Jul 2015 12:18

Tgt Ion:172 Resp: 1258846
 Ion Ratio Lower Upper
 172 100
 171 38.8 30.7 46.1
 170 25.8 19.7 29.5





#49

Dimethylphthalate

Concen: 10.20 ng

RT: 13.70 min Scan# 1875

Delta R.T. -0.01 min

Lab File: BG017984.D

Acq: 20 Jul 2015 12:18

Instrument :

BNA_G

ClientSampleId :

BRIDGE14-6(0-2)

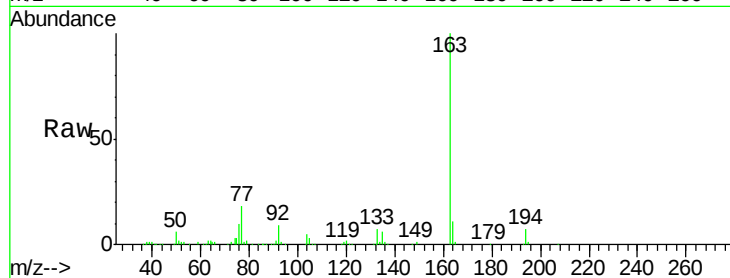
Tgt Ion:163 Resp: 277103

Ion Ratio Lower Upper

163 100

194 6.6 5.8 8.6

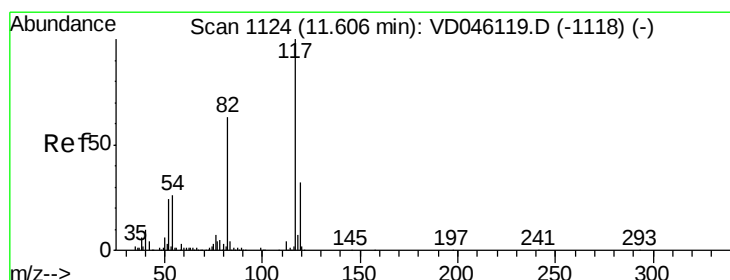
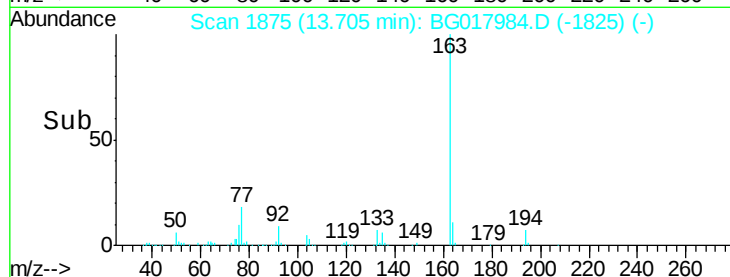
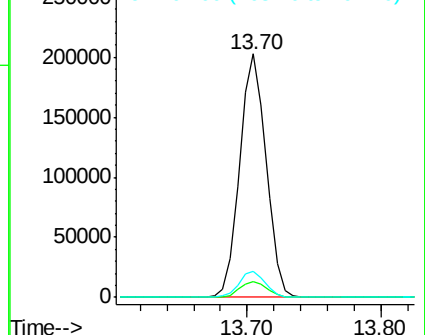
164 10.7 8.3 12.5



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: 17.00 min Scan# 2435

Delta R.T. -0.01 min

Lab File: BG017984.D

Acq: 20 Jul 2015 12:18

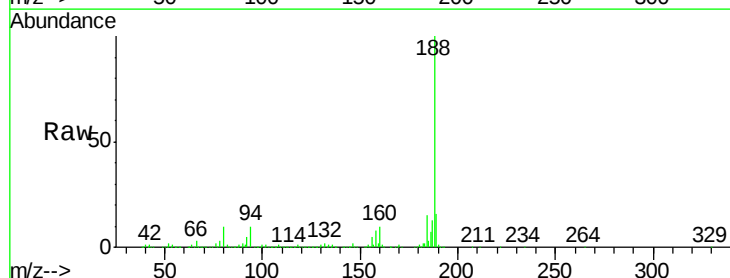
Tgt Ion:188 Resp: 757733

Ion Ratio Lower Upper

188 100

94 9.6 8.2 12.2

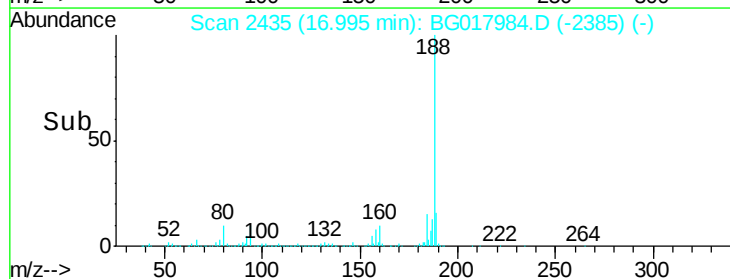
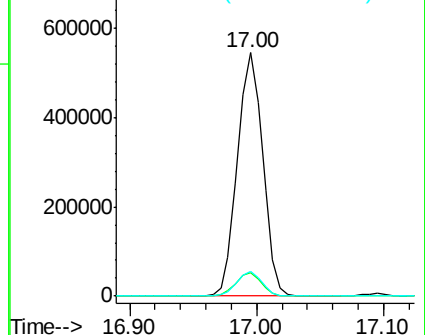
80 10.3 8.2 12.4

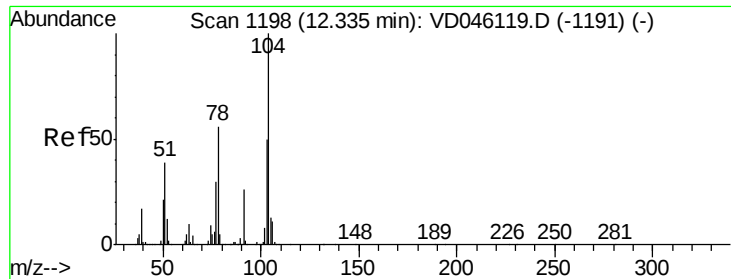


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC





#70

Phenanthrene

Concen: 2.19 ng

RT: 17.04 min Scan# 2442

Delta R.T. -0.01 min

Lab File: BG017984.D

Acq: 20 Jul 2015 12:18

Instrument :

BNA_G

ClientSampleId :

BRIDGE14-6(0-2)

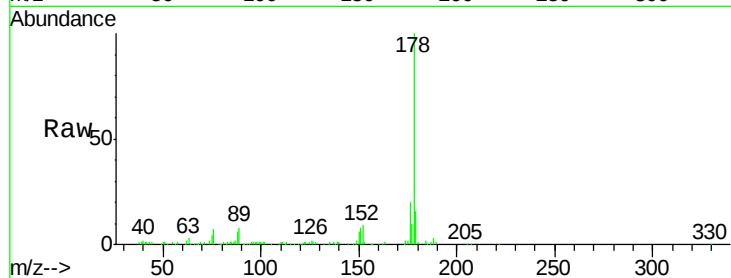
Tgt Ion:178 Resp: 85735

Ion Ratio Lower Upper

178 100

176 20.4 16.5 24.7

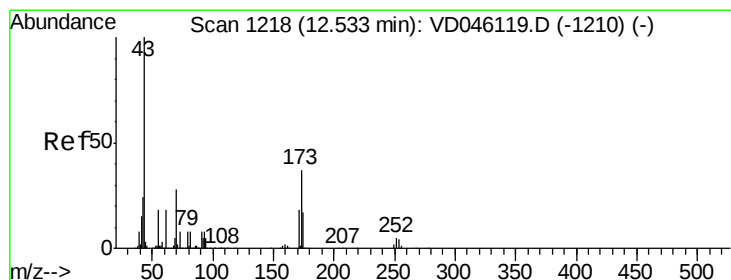
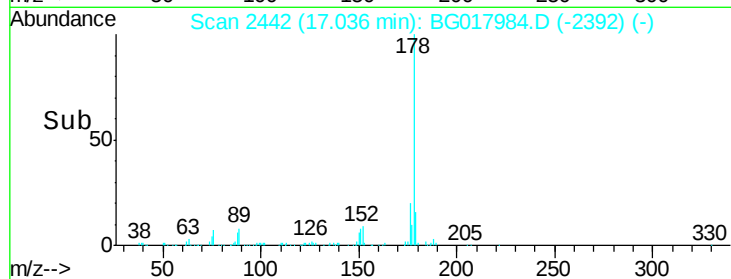
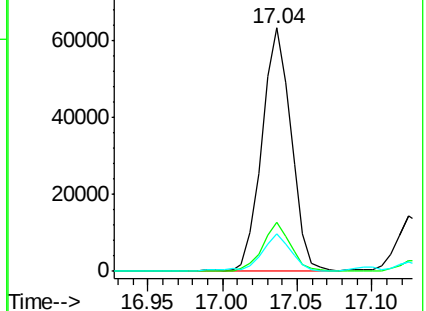
179 15.5 13.5 20.3



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: 2.45 ng

RT: 19.06 min Scan# 2787

Delta R.T. 0.00 min

Lab File: BG017984.D

Acq: 20 Jul 2015 12:18

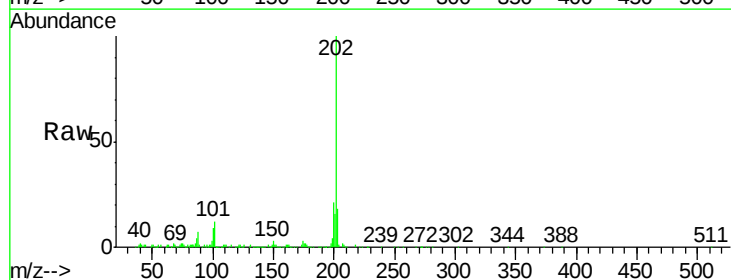
Tgt Ion:202 Resp: 104794

Ion Ratio Lower Upper

202 100

101 12.1 0.0 33.3

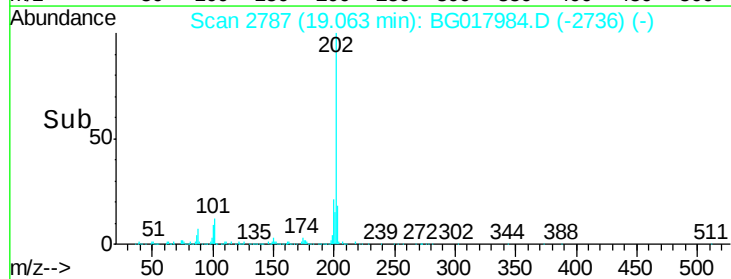
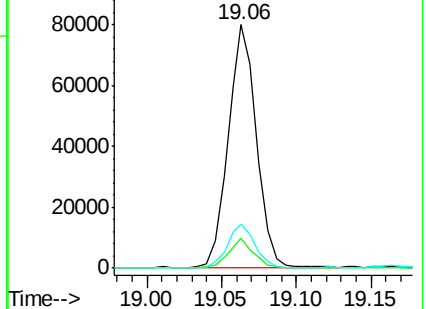
203 18.0 0.0 39.5

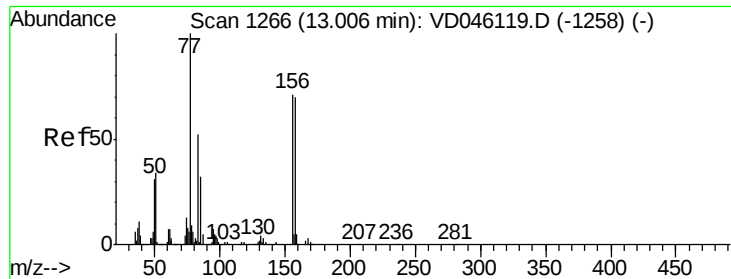


Abundance Ion 202.00 (201.70 to 202.70): E

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: 21.20 min Scan# 3150

Delta R.T. -0.01 min

Lab File: BG017984.D

Acq: 20 Jul 2015 12:18

Instrument :

BNA_G

ClientSampleId :

BRIDGE14-6(0-2)

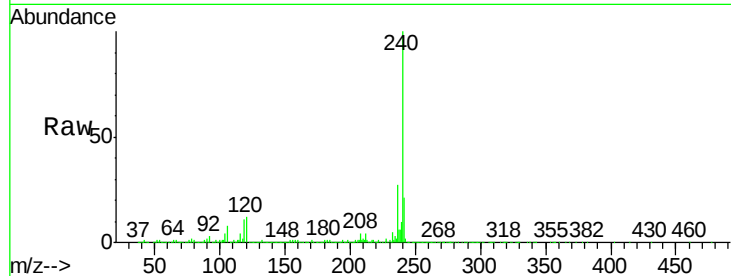
Tgt Ion:240 Resp: 752662

Ion Ratio Lower Upper

240 100

120 12.3 10.8 16.2

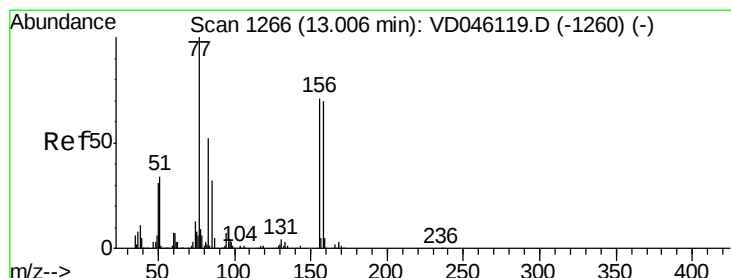
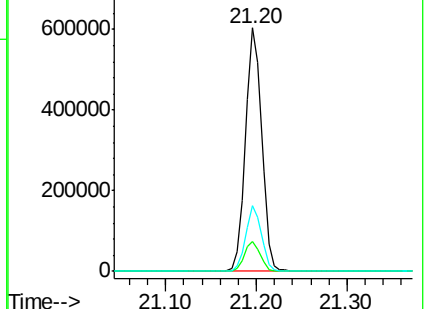
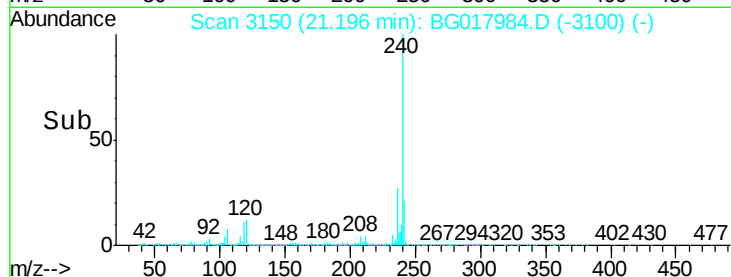
236 27.2 20.0 30.0



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: 1.93 ng

RT: 19.43 min Scan# 2849

Delta R.T. -0.01 min

Lab File: BG017984.D

Acq: 20 Jul 2015 12:18

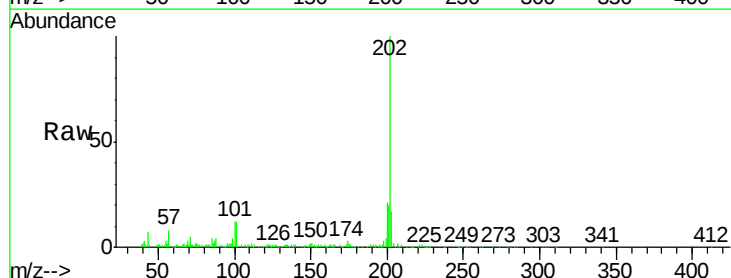
Tgt Ion:202 Resp: 81167

Ion Ratio Lower Upper

202 100

200 21.4 18.8 28.2

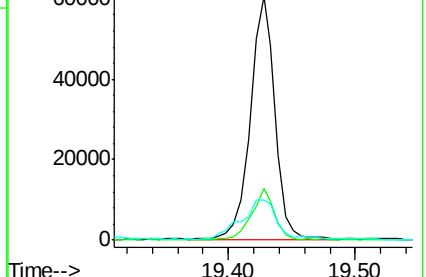
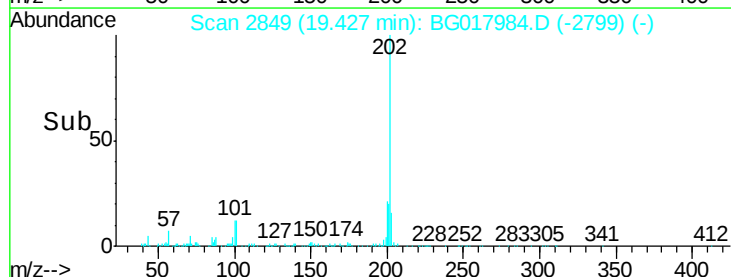
203 16.5 15.9 23.9

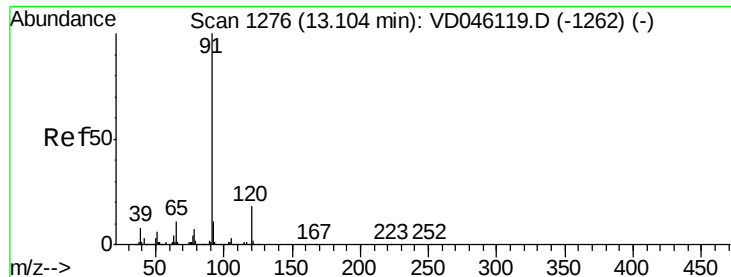


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 1.93 ng

RT: 19.64 min Scan# 2886

Delta R.T. 0.00 min

Lab File: BG017984.D

Acq: 20 Jul 2015 12:18

Instrument :

BNA_G

ClientSampleId :

BRIDGE14-6(0-2)

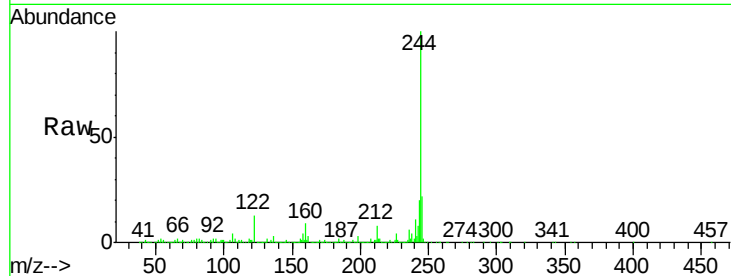
Tgt Ion:244 Resp: 1469657

Ion Ratio Lower Upper

244 100

212 7.7 7.2 10.8

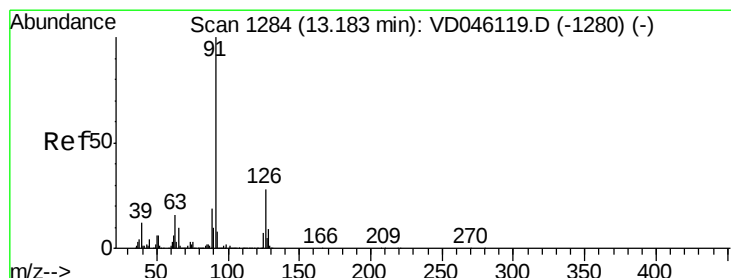
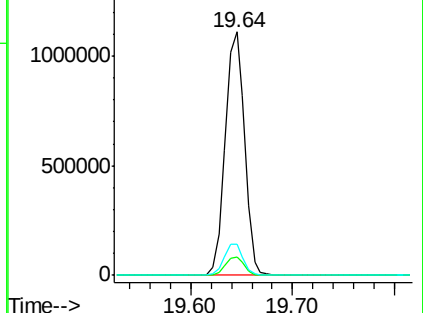
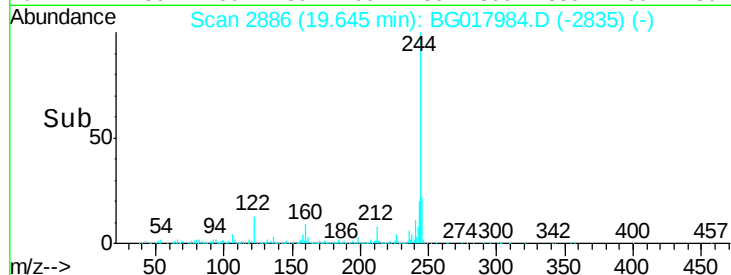
122 13.0 12.8 19.2



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



#79

Butylbenzylphthalate

Concen: 2.99 ng

RT: 20.34 min Scan# 3005

Delta R.T. -0.01 min

Lab File: BG017984.D

Acq: 20 Jul 2015 12:18

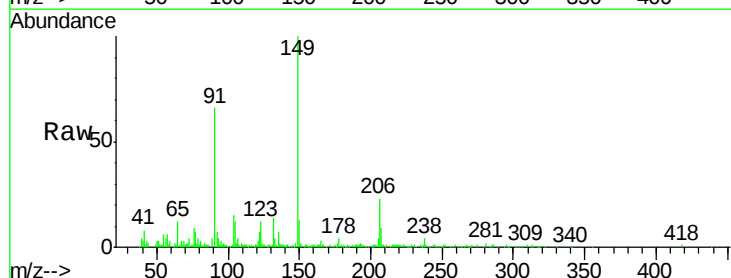
Tgt Ion:149 Resp: 56214

Ion Ratio Lower Upper

149 100

91 66.4 59.5 89.3

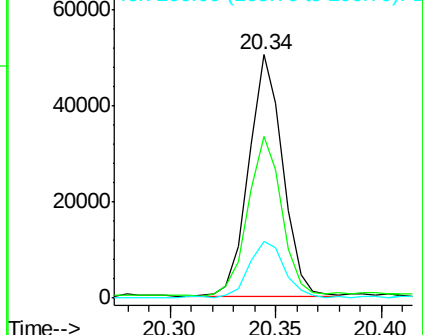
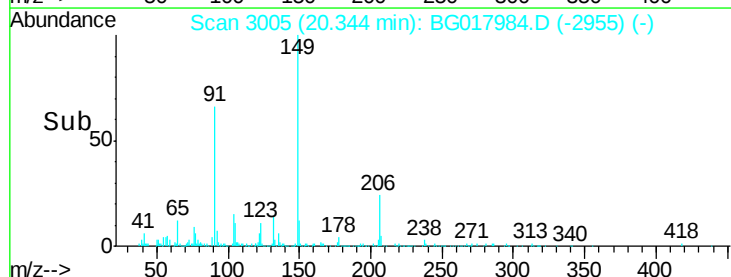
206 23.5 18.5 27.7

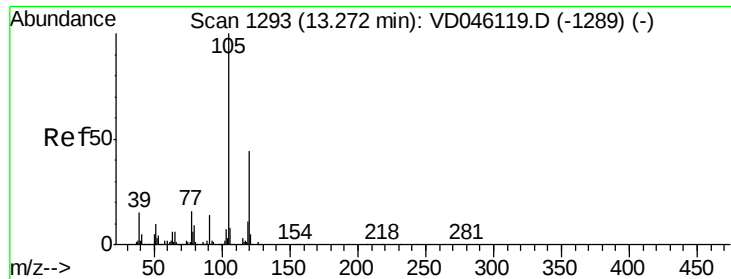


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): BG

Ion 206.00 (205.70 to 206.70): E





#80

Benzo(a)anthracene

Concen: 1.12 ng

RT: 21.18 min Scan# 3148

Delta R.T. 0.00 min

Lab File: BG017984.D

Acq: 20 Jul 2015 12:18

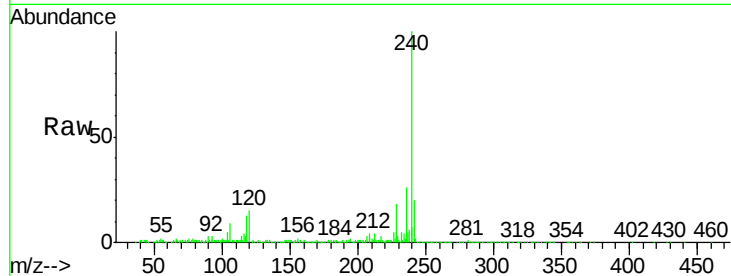
Instrument :

BNA_G

ClientSampleId :

BRIDGE14-6(0-2)

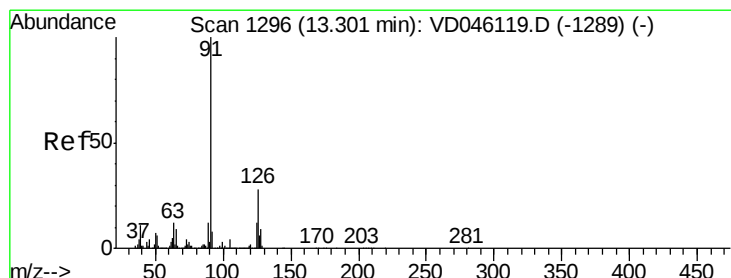
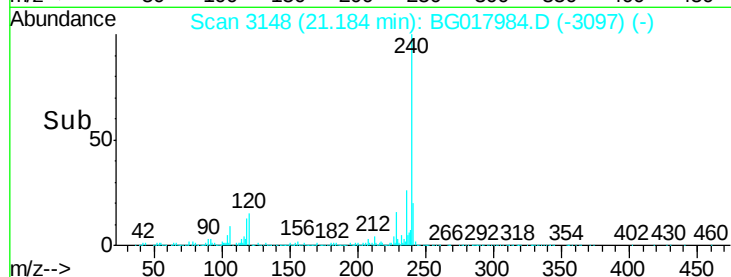
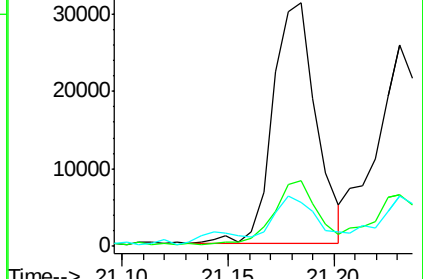
Tgt Ion:	228	Resp:	44348
Ion	Ratio	Lower	Upper
228	100		
226	27.1	23.1	34.7
229	17.9	17.4	26.0



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: 1.17 ng

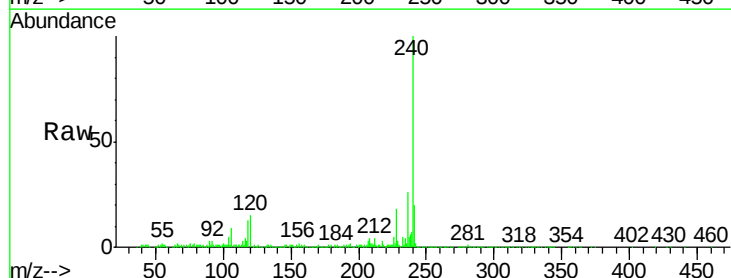
RT: 21.18 min Scan# 3148

Delta R.T. -0.05 min

Lab File: BG017984.D

Acq: 20 Jul 2015 12:18

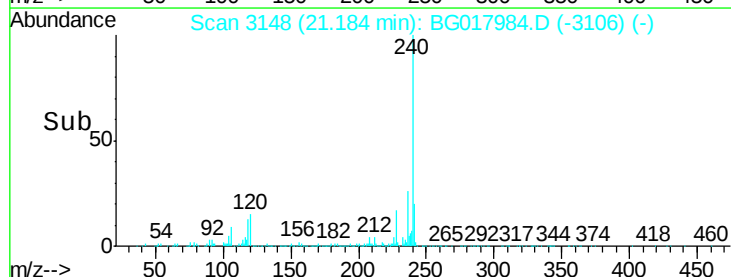
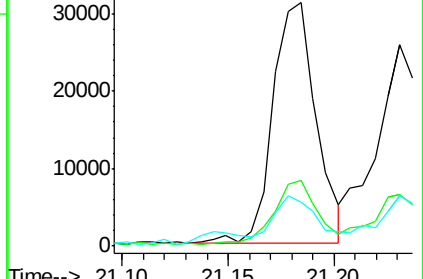
Tgt Ion:	228	Resp:	44348
Ion	Ratio	Lower	Upper
228	100		
226	27.1	26.1	39.1
229	17.9	17.7	26.5

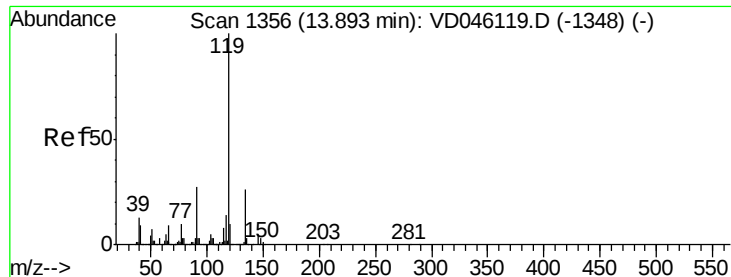


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

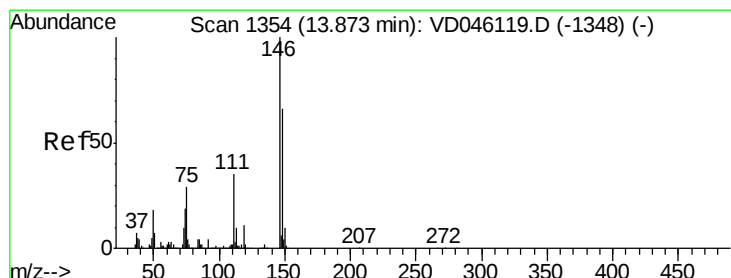
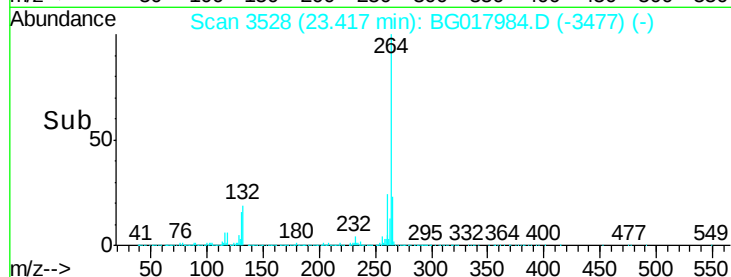
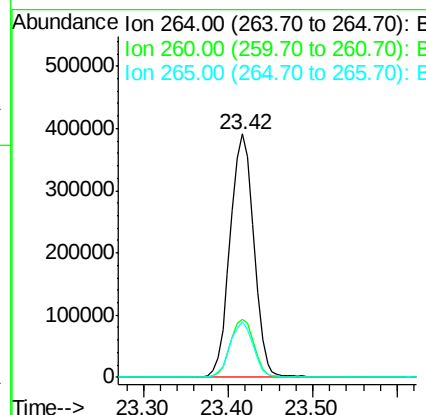
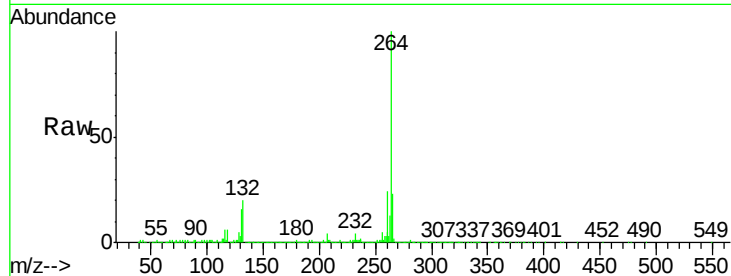




#86
Perylene-d12
Concen: 20.00 ng
RT: 23.42 min Scan# 3528
Delta R.T. 0.00 min
Lab File: BG017984.D
Acq: 20 Jul 2015 12:18

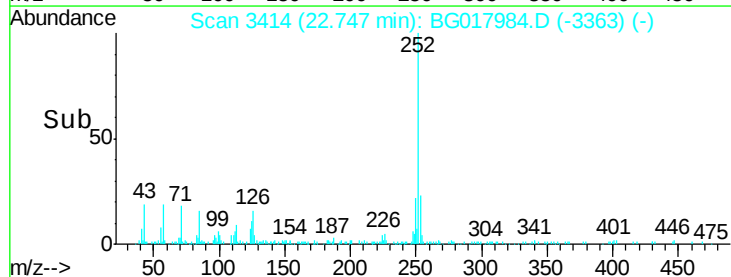
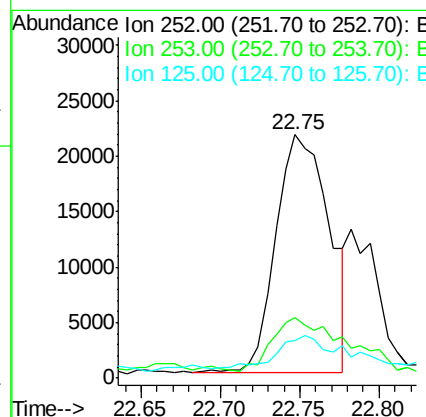
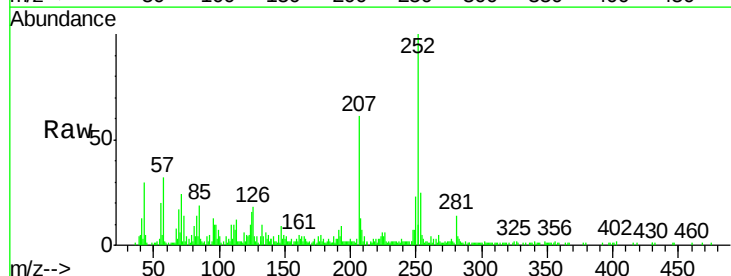
Instrument :
BNA_G
ClientSampleId :
BRIDGE14-6(0-2)

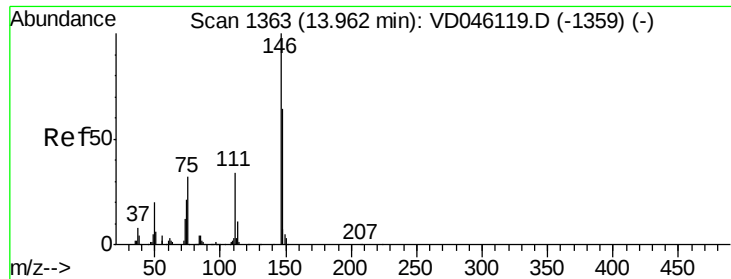
Tgt Ion:264 Resp: 756859
Ion Ratio Lower Upper
264 100
260 23.6 18.6 27.8
265 22.7 18.2 27.2



#87
Benzo(b)fluoranthene
Concen: 1.22 ng
RT: 22.75 min Scan# 3414
Delta R.T. 0.00 min
Lab File: BG017984.D
Acq: 20 Jul 2015 12:18

Tgt Ion:252 Resp: 50468
Ion Ratio Lower Upper
252 100
253 24.7 19.7 29.5
125 15.5 10.6 15.8





#88

Benzo(k)fluoranthene

Concen: 1.22 ng

RT: 22.75 min Scan# 3414

Delta R.T. -0.05 min

Lab File: BG017984.D

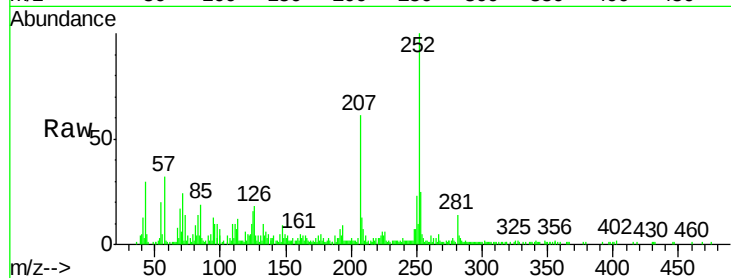
Acq: 20 Jul 2015 12:18

Instrument :

BNA_G

ClientSampleId :

BRIDGE14-6(0-2)



Tgt Ion: 252 Resp: 50468

Ion Ratio Lower Upper

252 100

253 24.7 19.0 28.6

125 15.5 10.3 15.5#

