

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG072015\
 Data File : BG017990.D
 Acq On : 20 Jul 2015 15:52
 Operator : TP/UM
 Sample : G2975-17
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 BRIDGE14-3(0-2)

Quant Time: Jul 20 17:17:53 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	7.59	152	159313	20.00	ng	0.00
21) Naphthalene-d8	10.37	136	690910	20.00	ng	0.00
38) Acenaphthene-d10	14.24	164	394896	20.00	ng	0.00
63) Phenanthrene-d10	17.00	188	760376	20.00	ng	0.00
75) Chrysene-d12	21.20	240	791675	20.00	ng	0.00
86) Perylene-d12	23.43	264	811832	20.00	ng	0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.20	112	1080038	118.26	ng	0.01
7) Phenol-d6	6.78	99	1377434	115.13	ng	0.02
23) Nitrobenzene-d5	8.75	82	831393	77.94	ng	0.00
41) 2,4,6-Tribromophenol	15.74	330	538834	134.68	ng	0.00
44) 2-Fluorobiphenyl	12.86	172	1738520	76.29	ng	0.00
78) Terphenyl-d14	19.65	244	2009869	63.95	ng	0.00

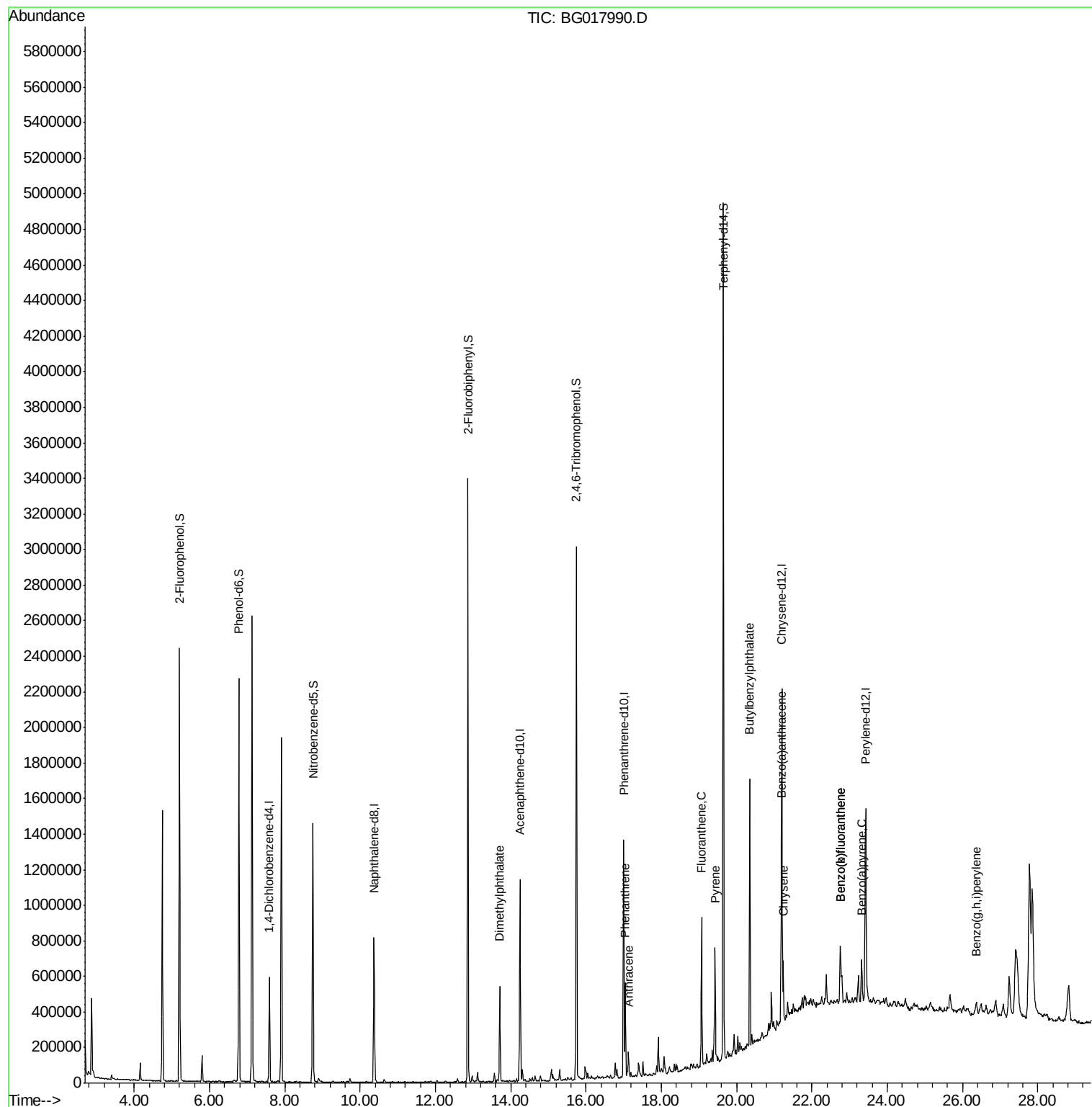
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
32) Benzoic acid	9.69	122	748	Below Cal	#	79
49) Dimethylphthalate	13.70	163	346205	12.62	ng	99
53) 2,4-Dinitrophenol	14.30	184	89	Below Cal	#	1
64) 4,6-Dinitro-2-methylphenol	15.24	198	59	Below Cal	#	1
69) Pentachlorophenol	16.57	266	57	Below Cal	#	18
70) Phenanthrene	17.04	178	301373	7.68	ng	98
71) Anthracene	17.13	178	82306	2.16	ng	97
74) Fluoranthene	19.07	202	484881	11.29	ng	96
77) Pyrene	19.43	202	387790	8.78	ng	97
79) Butylbenzylphthalate	20.35	149	461032	23.31	ng	90
80) Benzo(a)anthracene	21.18	228	207584	4.96	ng	97
82) Chrysene	21.24	228	184809	4.64	ng	95
87) Benzo(b)fluoranthene	22.76	252	251155	5.65	ng	97
88) Benzo(k)fluoranthene	22.76	252	251155	5.66	ng	96
89) Benzo(a)pyrene	23.32	252	172125	4.16	ng	96
91) Benzo(g,h,i)perylene	26.36	276	90432	2.19	ng	98

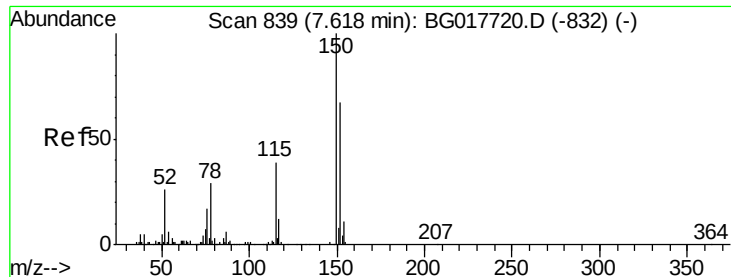
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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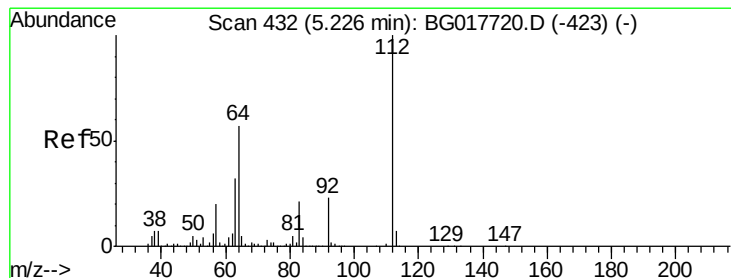
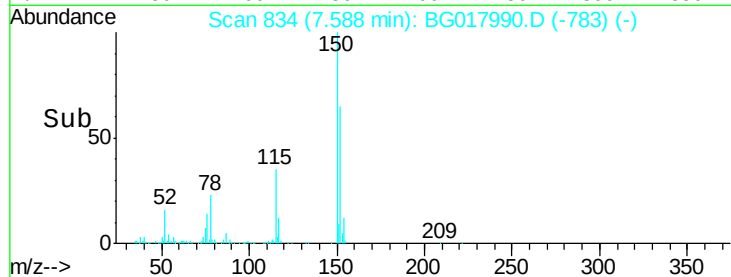
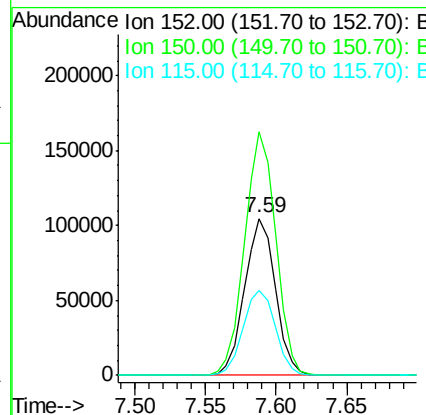
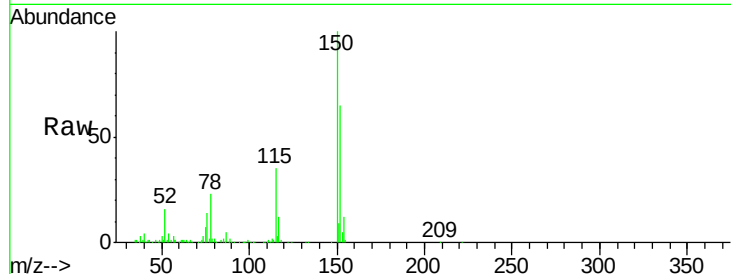


#1

1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.59 min Scan# 834
Delta R.T. -0.00 min
Lab File: BG017990.D
Acq: 20 Jul 2015 15:52

Instrument :
BNA_G
ClientSampleId :
BRIDGE14-3(0-2)

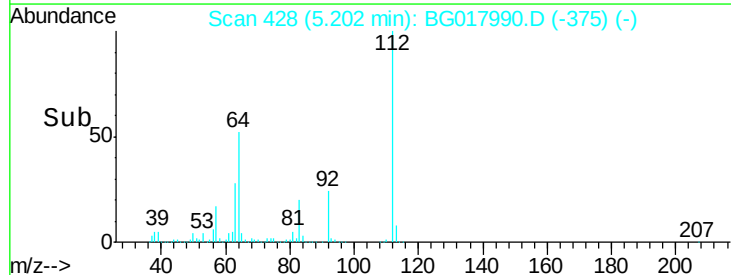
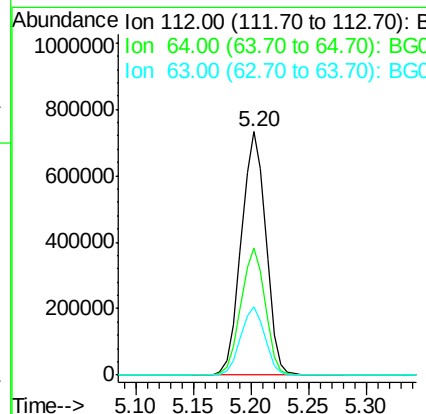
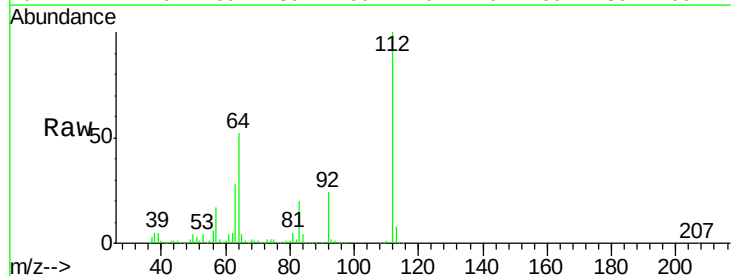
Tgt Ion	Ratio	Lower	Upper
152	100		
150	154.9	119.1	178.7
115	53.8	47.0	70.4

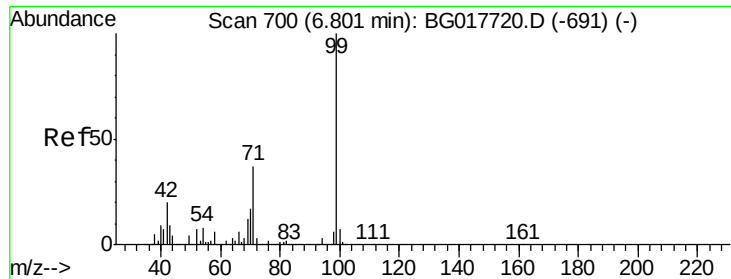


#5

2-Fluorophenol
Concen: 118.26 ng
RT: 5.20 min Scan# 428
Delta R.T. 0.01 min
Lab File: BG017990.D
Acq: 20 Jul 2015 15:52

Tgt Ion	Ratio	Lower	Upper
112	100		
64	52.4	45.4	68.0
63	28.2	25.3	37.9





#7

Phenol-d6

Concen: 115.13 ng

RT: 6.78 min Scan# 697

Delta R.T. 0.02 min

Lab File: BG017990.D

Acq: 20 Jul 2015 15:52

Instrument :

BNA_G

ClientSampleId :

BRIDGE14-3(0-2)

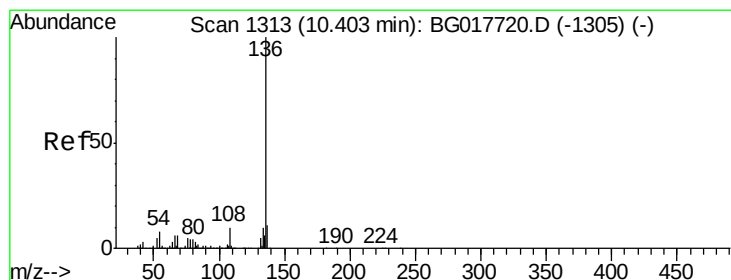
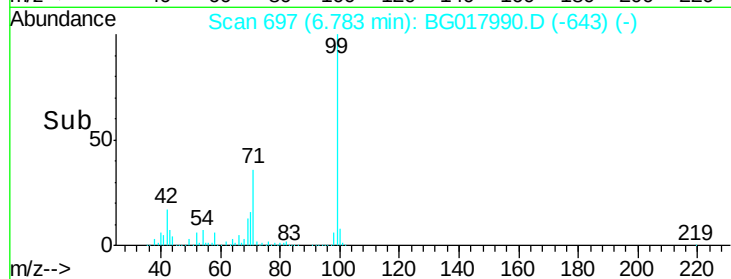
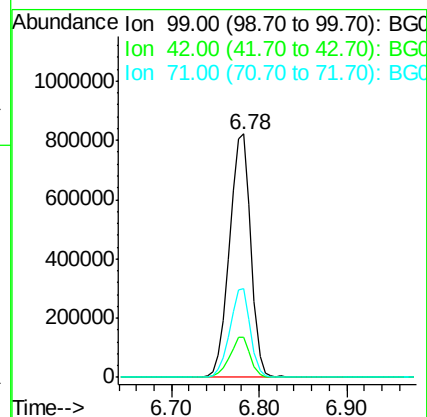
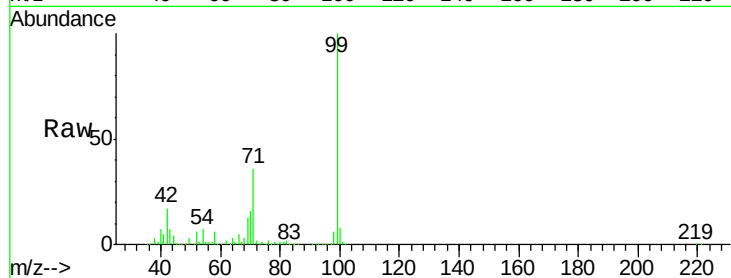
Tgt Ion: 99 Resp: 1377434

Ion Ratio Lower Upper

99 100

42 16.7 16.2 24.4

71 36.4 29.5 44.3



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 10.37 min Scan# 1307

Delta R.T. -0.00 min

Lab File: BG017990.D

Acq: 20 Jul 2015 15:52

Tgt Ion: 136 Resp: 690910

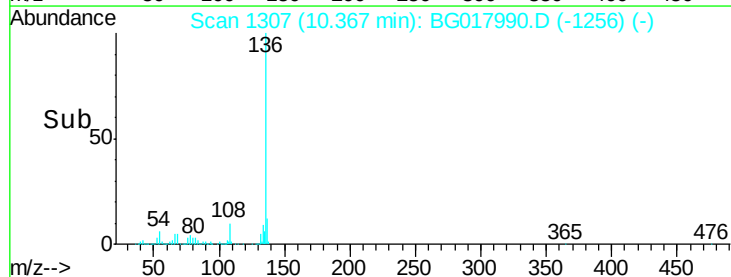
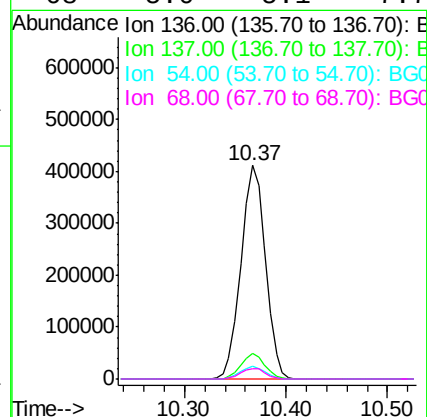
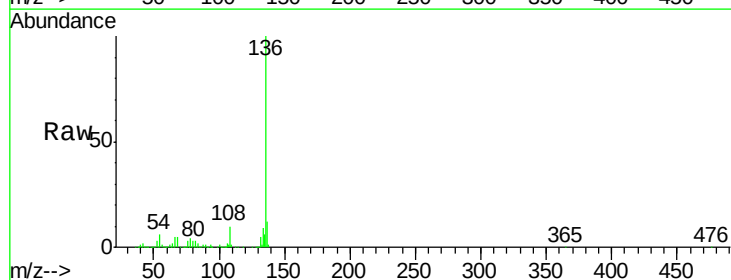
Ion Ratio Lower Upper

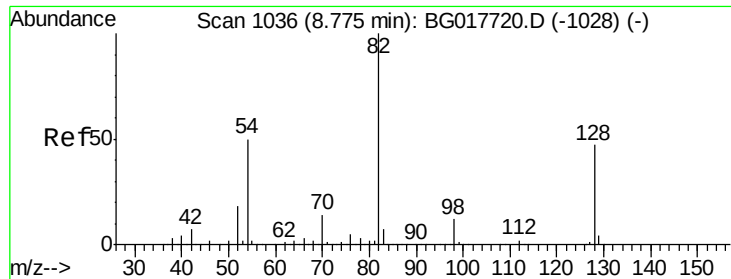
136 100

137 11.8 8.8 13.2

54 6.1 6.6 9.8#

68 5.0 5.1 7.7#

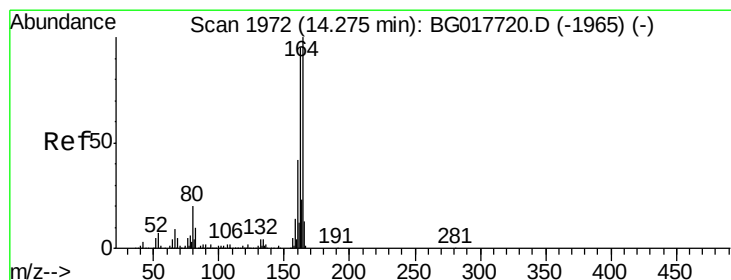
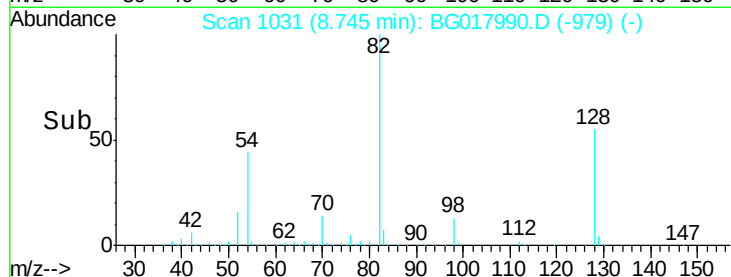
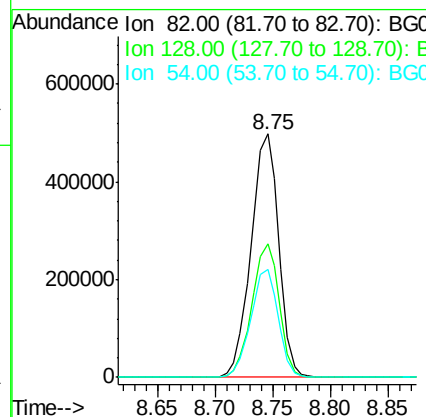
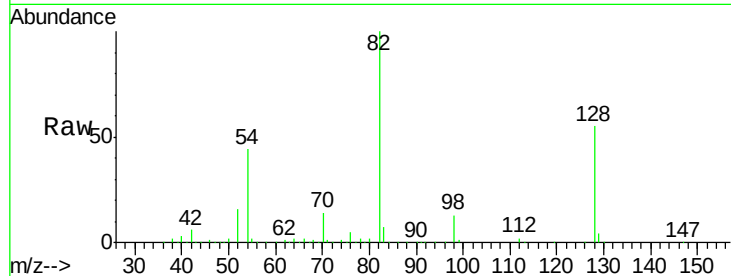




#23
 Nitrobenzene-d5
 Concen: 77.94 ng
 RT: 8.75 min Scan# 1031
 Delta R.T. 0.01 min
 Lab File: BG017990.D
 Acq: 20 Jul 2015 15:52

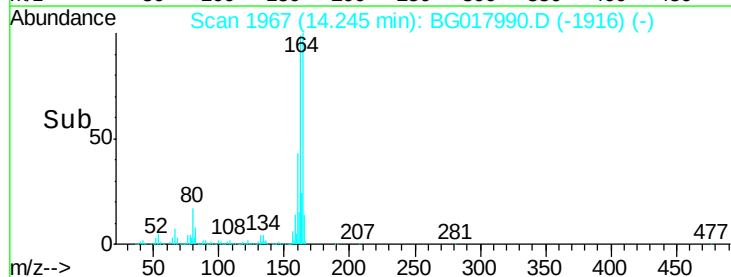
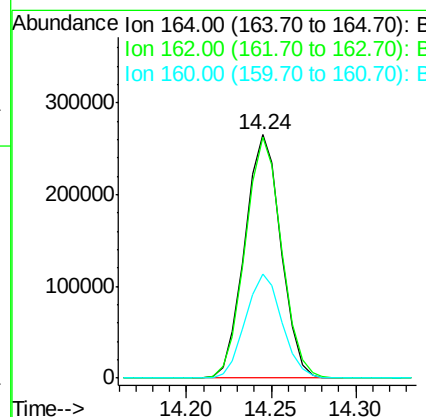
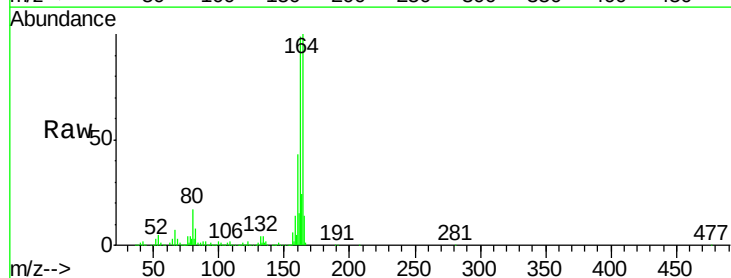
Instrument :
 BNA_G
 ClientSampleId :
 BRIDGE14-3(0-2)

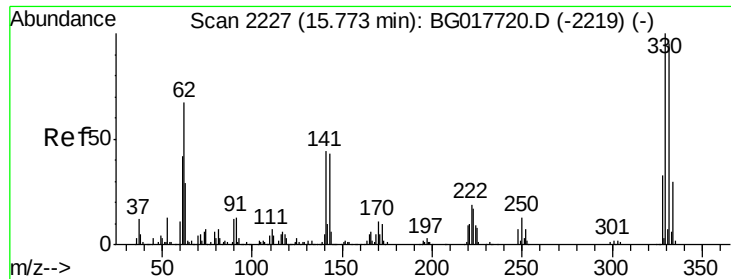
Tgt Ion	Ratio	Lower	Upper
82	100		
128	54.8	37.8	56.6
54	44.1	39.9	59.9



#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 14.24 min Scan# 1967
 Delta R.T. -0.00 min
 Lab File: BG017990.D
 Acq: 20 Jul 2015 15:52

Tgt Ion	Ratio	Lower	Upper
164	100		
162	99.2	76.3	114.5
160	42.7	33.7	50.5

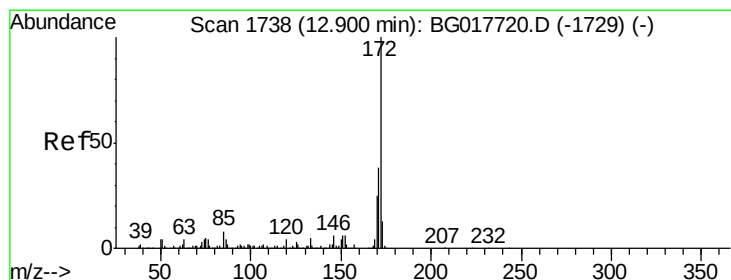
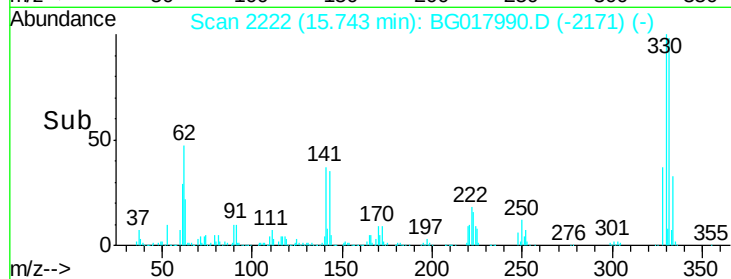
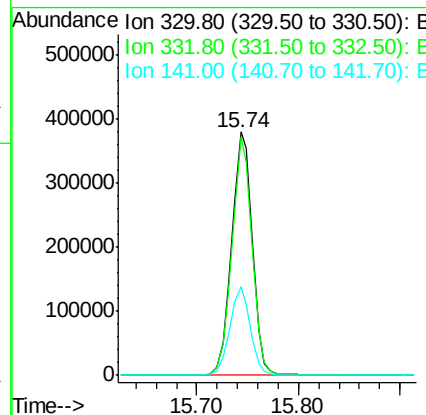
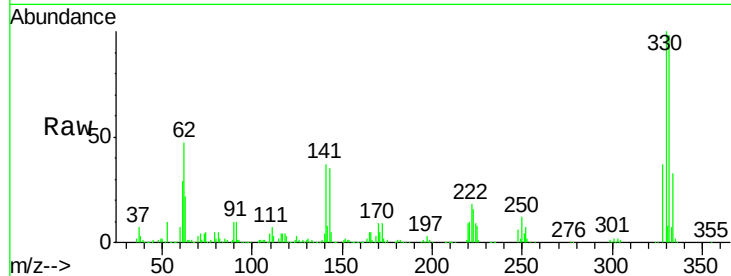




#41
 2,4,6-Tribromophenol
 Concen: 134.68 ng
 RT: 15.74 min Scan# 2222
 Delta R.T. 0.00 min
 Lab File: BG017990.D
 Acq: 20 Jul 2015 15:52

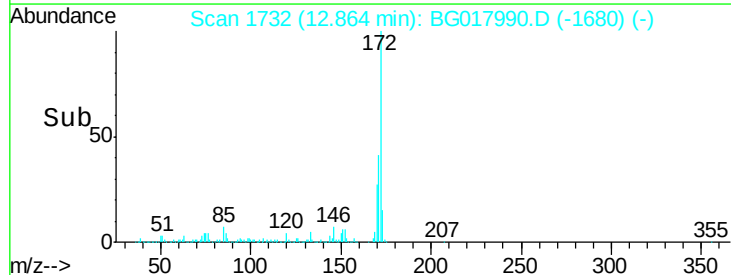
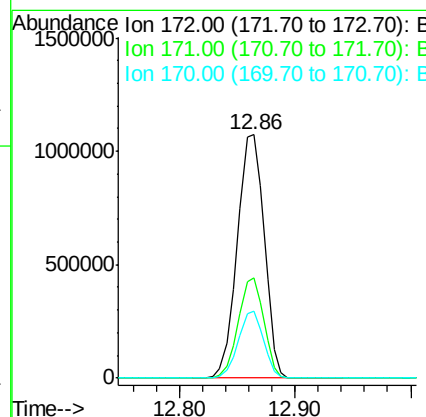
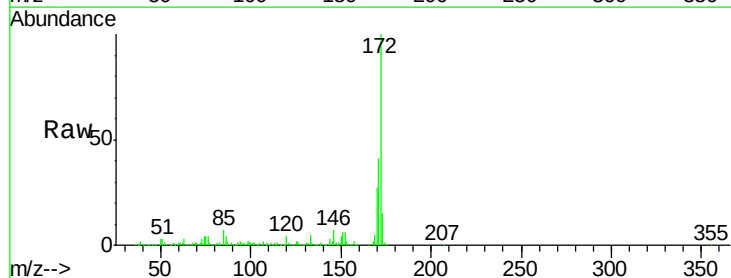
Instrument :
 BNA_G
 ClientSampleId :
 BRIDGE14-3(0-2)

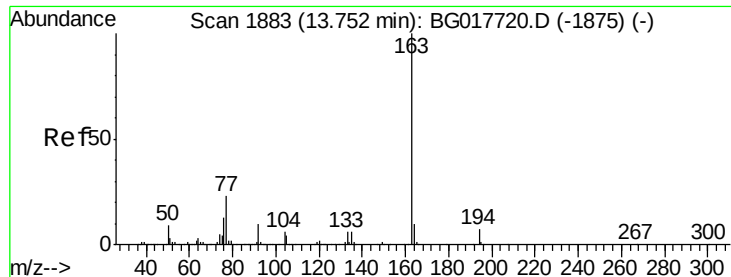
Tgt Ion:330 Resp: 538834
 Ion Ratio Lower Upper
 330 100
 332 95.5 76.8 115.2
 141 36.3 38.0 57.0#



#44
 2-Fluorobiphenyl
 Concen: 76.29 ng
 RT: 12.86 min Scan# 1732
 Delta R.T. 0.01 min
 Lab File: BG017990.D
 Acq: 20 Jul 2015 15:52

Tgt Ion:172 Resp: 1738520
 Ion Ratio Lower Upper
 172 100
 171 41.1 30.7 46.1
 170 27.4 19.7 29.5





#49

Dimethylphthalate

Concen: 12.62 ng

RT: 13.70 min Scan# 1875

Delta R.T. -0.01 min

Lab File: BG017990.D

Acq: 20 Jul 2015 15:52

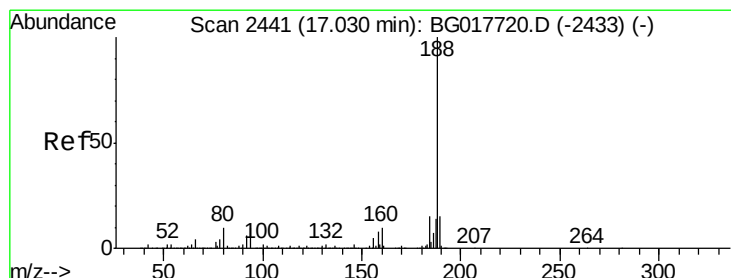
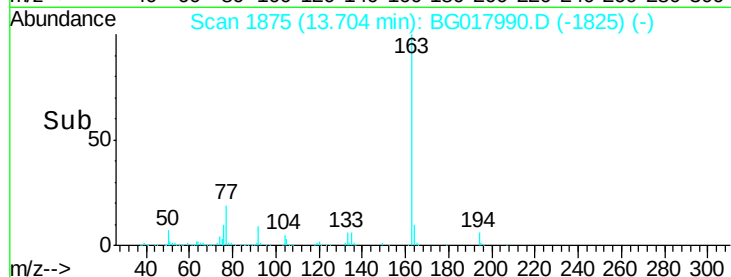
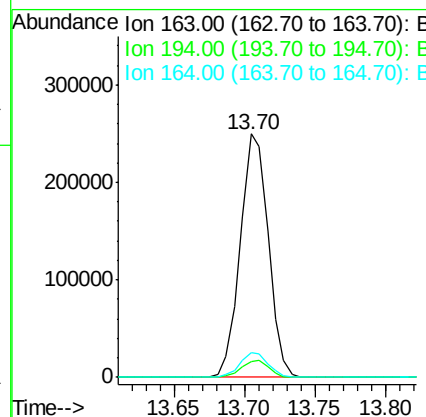
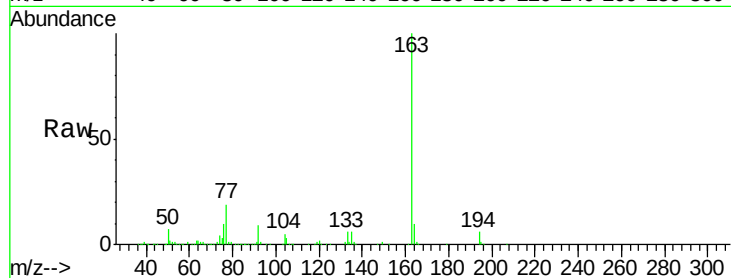
Instrument :

BNA_G

ClientSampleId :

BRIDGE14-3(0-2)

Tgt Ion:	163	Resp:	346205
Ion	Ratio	Lower	Upper
163	100		
194	6.4	5.8	8.6
164	10.1	8.3	12.5



#63

Phenanthrene-d10

Concen: 20.00 ng

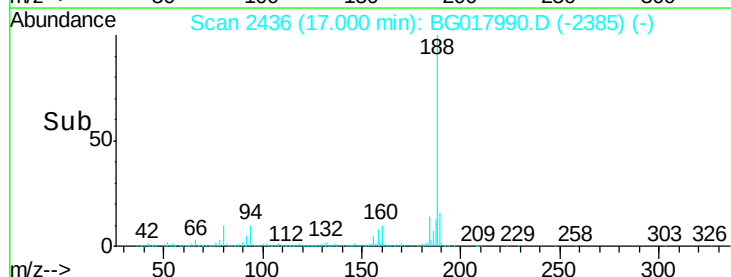
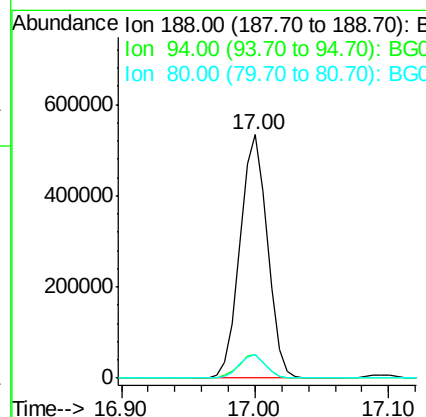
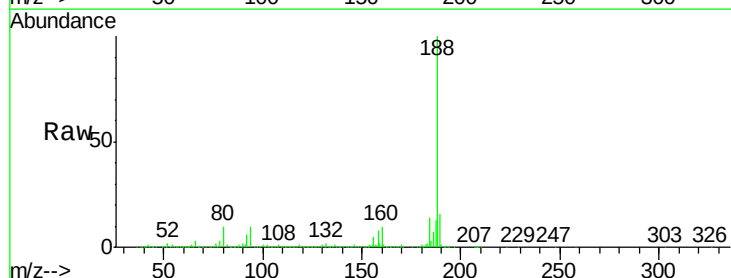
RT: 17.00 min Scan# 2436

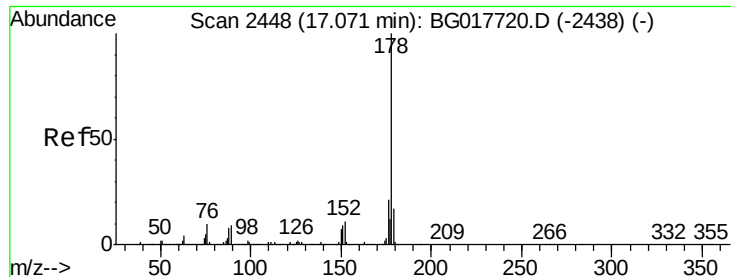
Delta R.T. -0.00 min

Lab File: BG017990.D

Acq: 20 Jul 2015 15:52

Tgt Ion:	188	Resp:	760376
Ion	Ratio	Lower	Upper
188	100		
94	9.6	8.2	12.2
80	9.8	8.2	12.4





#70

Phenanthrene

Concen: 7.68 ng

RT: 17.04 min Scan# 2443

Delta R.T. -0.00 min

Lab File: BG017990.D

Acq: 20 Jul 2015 15:52

Instrument :

BNA_G

ClientSampleId :

BRIDGE14-3(0-2)

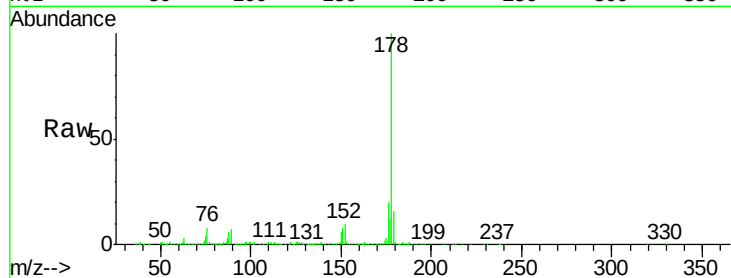
Tgt Ion:178 Resp: 301373

Ion Ratio Lower Upper

178 100

176 19.8 16.5 24.7

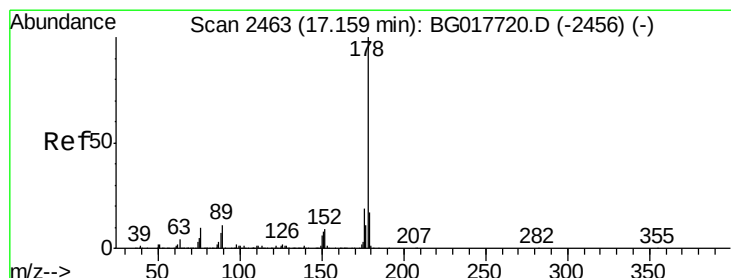
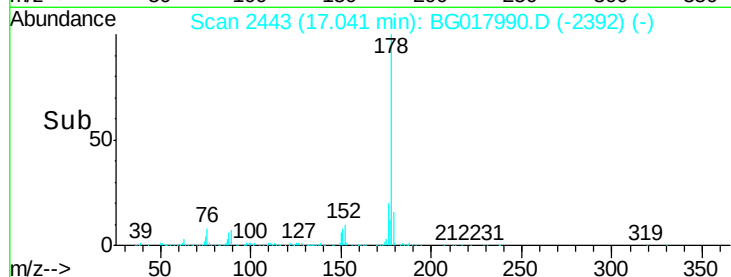
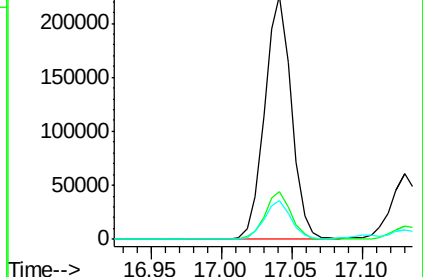
179 15.9 13.5 20.3



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



#71

Anthracene

Concen: 2.16 ng

RT: 17.13 min Scan# 2458

Delta R.T. -0.00 min

Lab File: BG017990.D

Acq: 20 Jul 2015 15:52

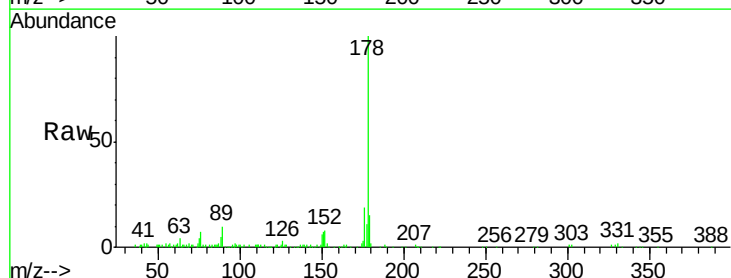
Tgt Ion:178 Resp: 82306

Ion Ratio Lower Upper

178 100

176 19.4 15.2 22.8

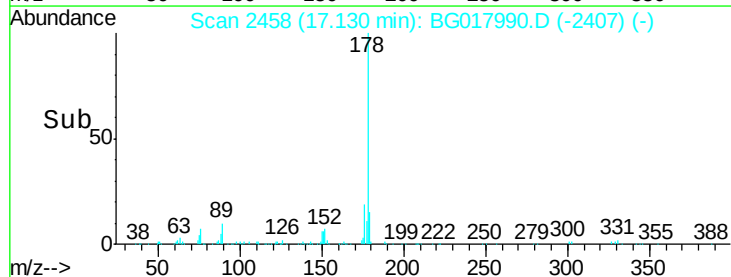
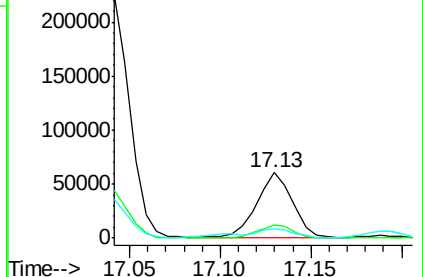
179 14.8 13.6 20.4

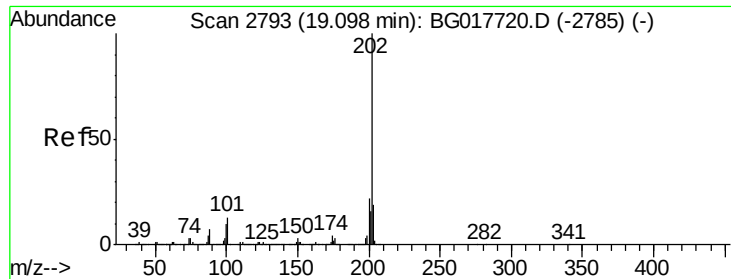


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#74

Fluoranthene

Concen: 11.29 ng

RT: 19.07 min Scan# 2788

Delta R.T. 0.01 min

Lab File: BG017990.D

Acq: 20 Jul 2015 15:52

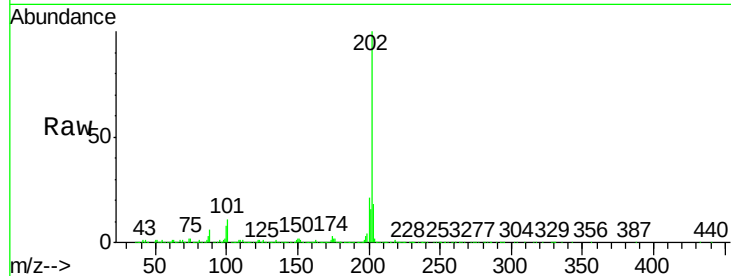
Instrument :

BNA_G

ClientSampleId :

BRIDGE14-3(0-2)

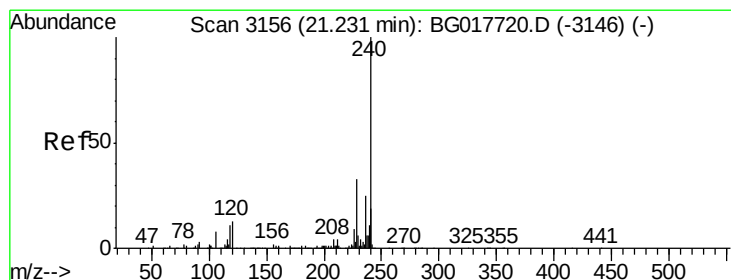
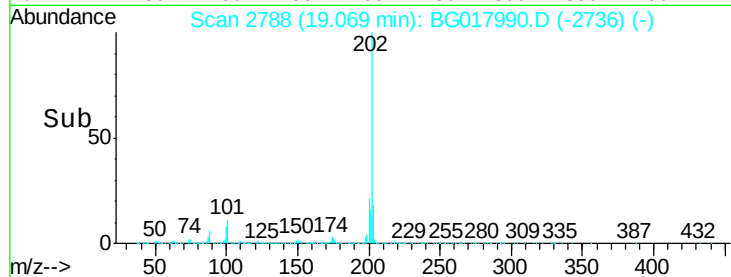
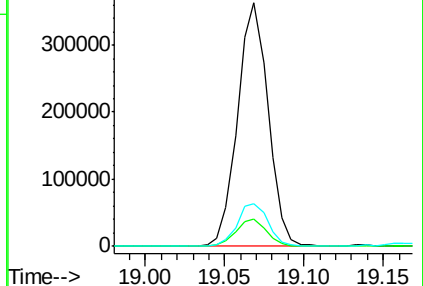
Tgt Ion:	202	Resp:	484881
Ion Ratio	Lower	Upper	
202	100		
101	11.4	0.0	33.3
203	17.8	0.0	39.5



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

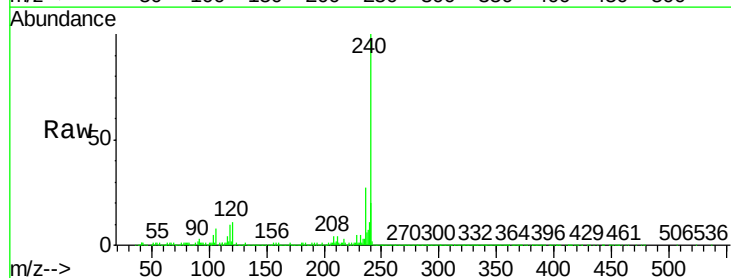
RT: 21.20 min Scan# 3151

Delta R.T. -0.00 min

Lab File: BG017990.D

Acq: 20 Jul 2015 15:52

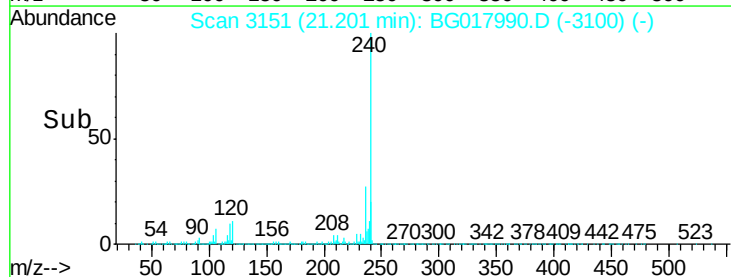
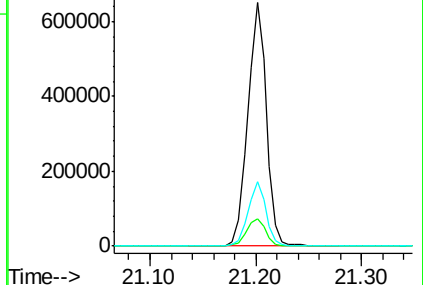
Tgt Ion:	240	Resp:	791675
Ion Ratio	Lower	Upper	
240	100		
120	11.0	10.8	16.2
236	26.7	20.0	30.0

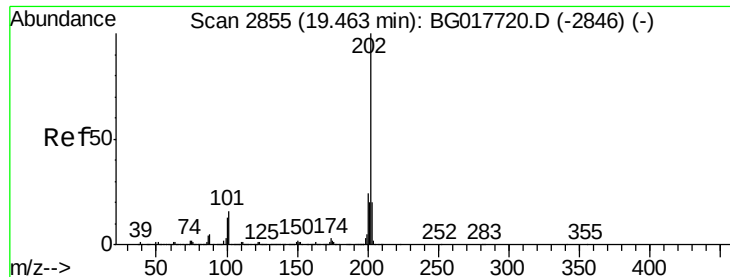


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

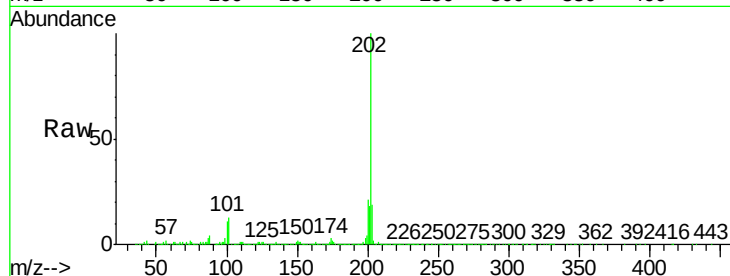




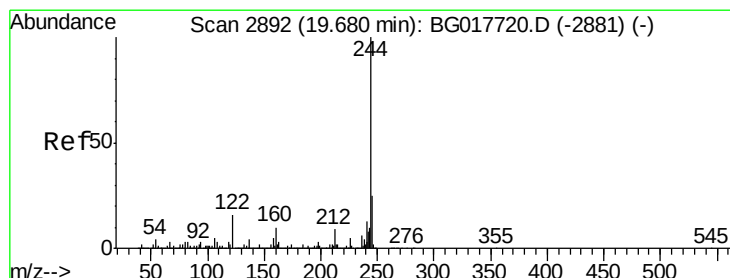
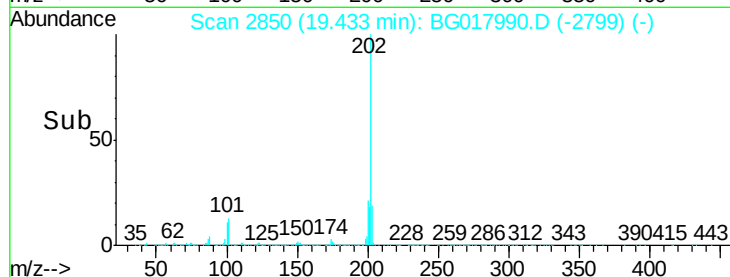
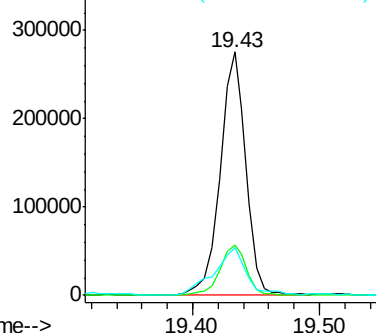
#77
 Pyrene
 Concen: 8.78 ng
 RT: 19.43 min Scan# 2850
 Delta R.T. -0.00 min
 Lab File: BG017990.D
 Acq: 20 Jul 2015 15:52

Instrument :
 BNA_G
 ClientSampleId :
 BRIDGE14-3(0-2)

Tgt Ion	Ratio	Lower	Upper
202	100		
200	20.9	18.8	28.2
203	19.5	15.9	23.9

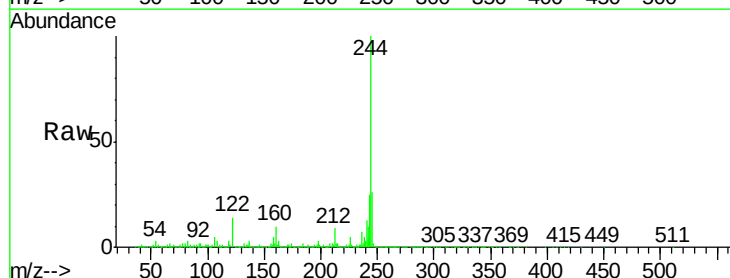


Abundance Ion 202.00 (201.70 to 202.70): E
 Ion 200.00 (199.70 to 200.70): E
 Ion 203.00 (202.70 to 203.70): E

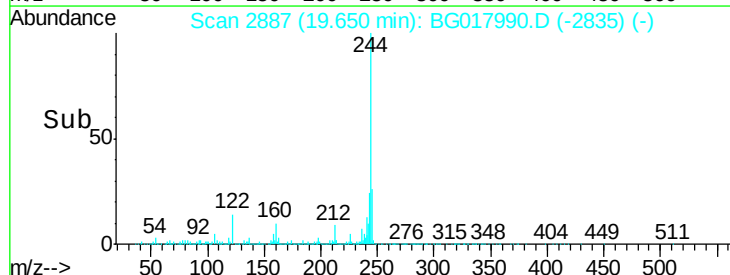
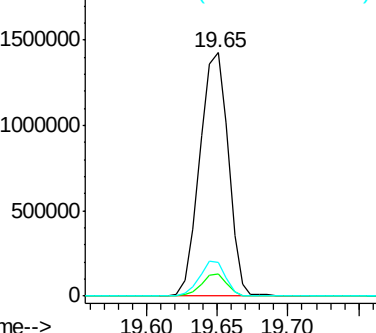


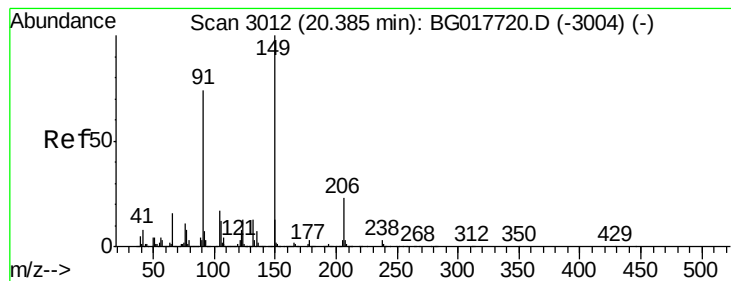
#78
 Terphenyl-d14
 Concen: 63.95 ng
 RT: 19.65 min Scan# 2887
 Delta R.T. 0.01 min
 Lab File: BG017990.D
 Acq: 20 Jul 2015 15:52

Tgt Ion	Ratio	Lower	Upper
244	100		
212	9.4	7.2	10.8
122	14.0	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: 23.31 ng

RT: 20.35 min Scan# 3006

Delta R.T. -0.00 min

Lab File: BG017990.D

Acq: 20 Jul 2015 15:52

Instrument :

BNA_G

ClientSampleId :

BRIDGE14-3(0-2)

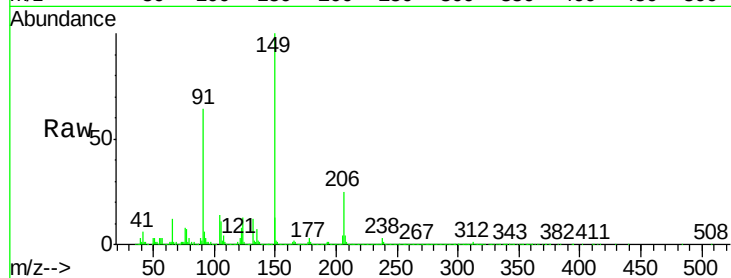
Tgt Ion:149 Resp: 461032

Ion Ratio Lower Upper

149 100

91 64.5 59.5 89.3

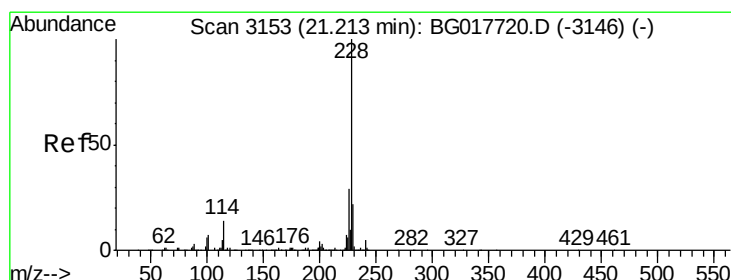
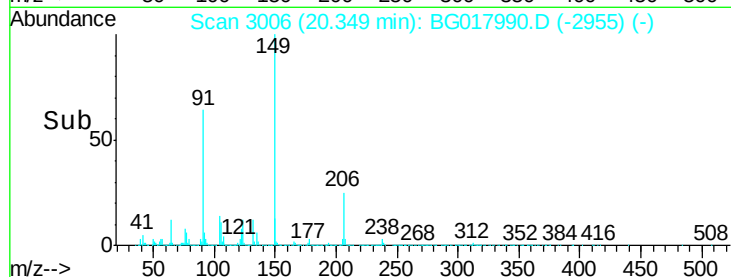
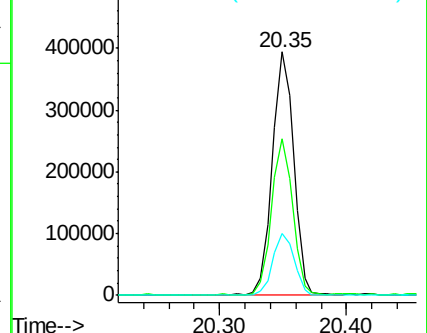
206 25.2 18.5 27.7



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: 4.96 ng

RT: 21.18 min Scan# 3148

Delta R.T. -0.00 min

Lab File: BG017990.D

Acq: 20 Jul 2015 15:52

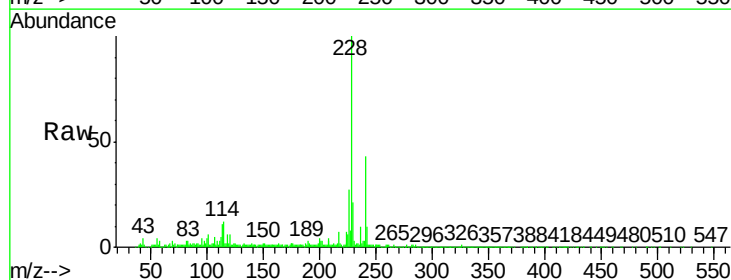
Tgt Ion:228 Resp: 207584

Ion Ratio Lower Upper

228 100

226 27.3 23.1 34.7

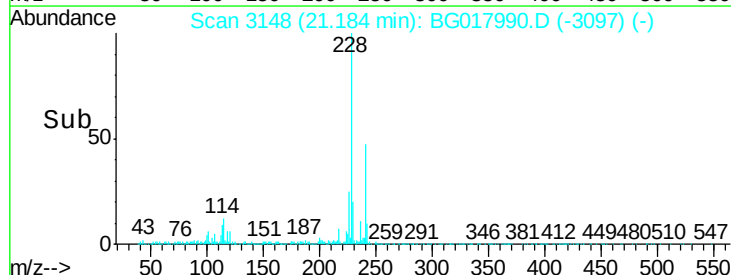
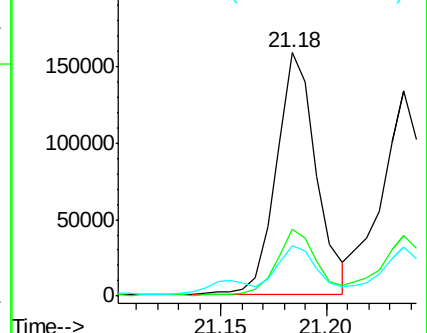
229 20.7 17.4 26.0

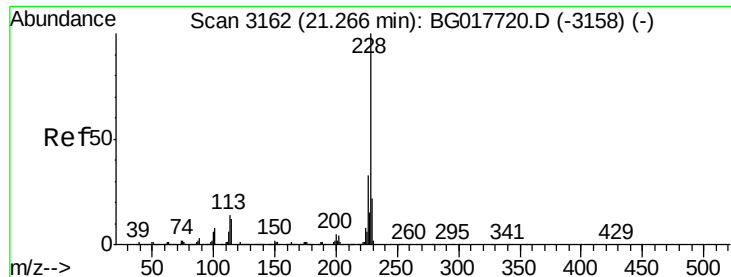


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#82

Chrysene

Concen: 4.64 ng

RT: 21.24 min Scan# 3157

Delta R.T. -0.00 min

Lab File: BG017990.D

Acq: 20 Jul 2015 15:52

Instrument :

BNA_G

ClientSampleId :

BRIDGE14-3(0-2)

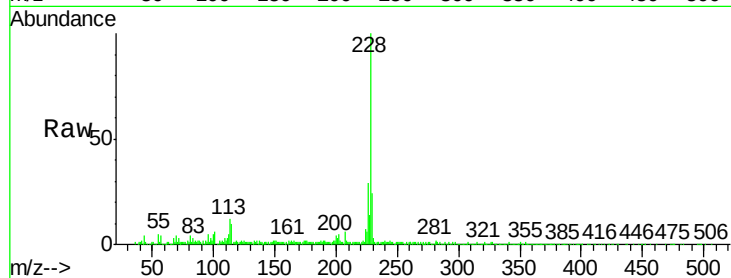
Tgt Ion:228 Resp: 184809

Ion Ratio Lower Upper

228 100

226 29.4 26.1 39.1

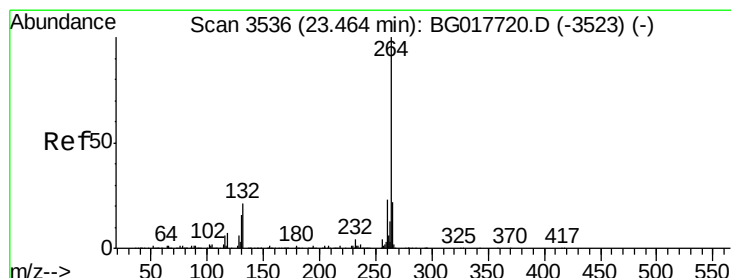
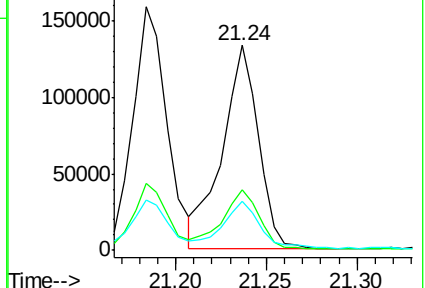
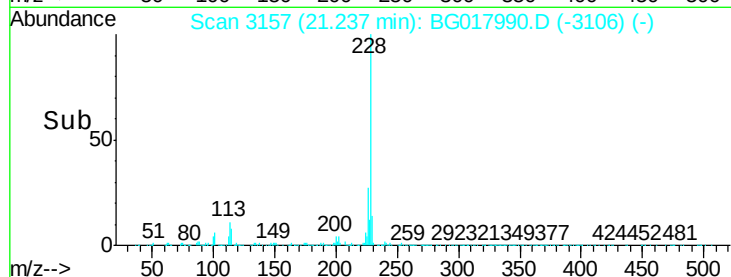
229 23.9 17.7 26.5



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: 23.43 min Scan# 3530

Delta R.T. 0.01 min

Lab File: BG017990.D

Acq: 20 Jul 2015 15:52

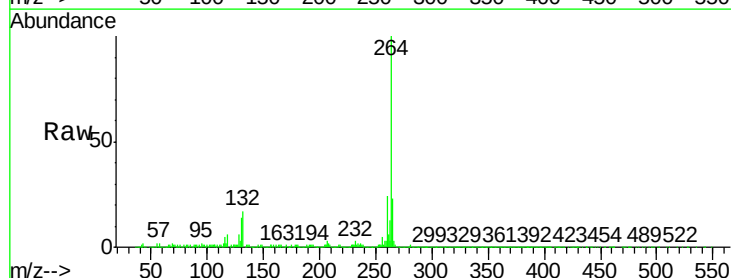
Tgt Ion:264 Resp: 811832

Ion Ratio Lower Upper

264 100

260 24.2 18.6 27.8

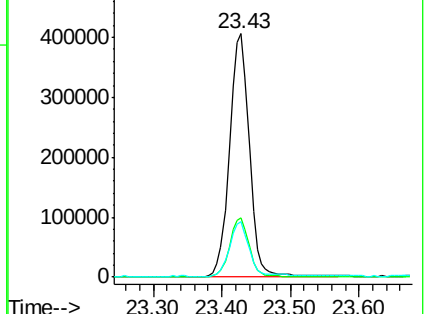
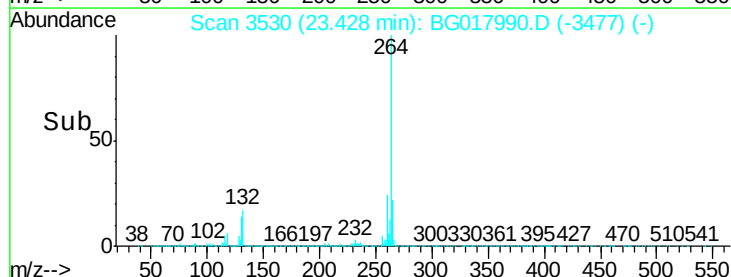
265 22.6 18.2 27.2

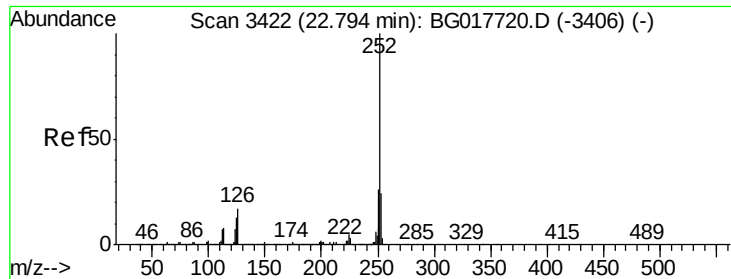


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#87

Benzo(b)fluoranthene

Concen: 5.65 ng

RT: 22.76 min Scan# 3416

Delta R.T. 0.01 min

Lab File: BG017990.D

Acq: 20 Jul 2015 15:52

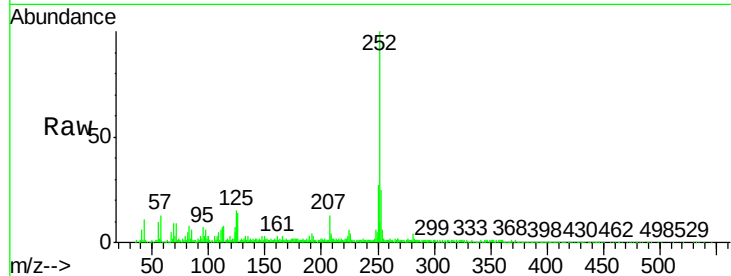
Instrument :

BNA_G

ClientSampleId :

BRIDGE14-3(0-2)

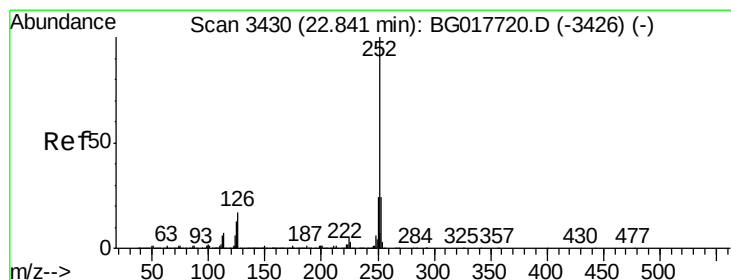
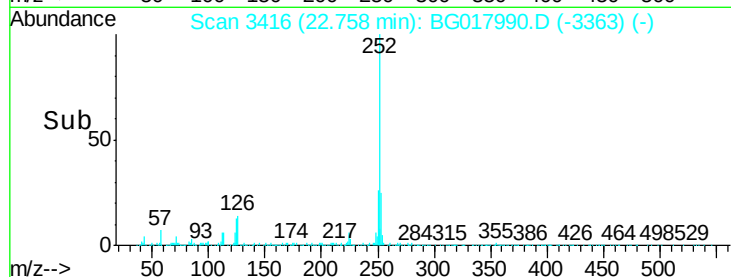
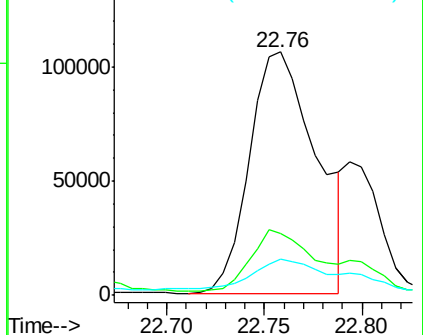
Tgt Ion:	252	Resp:	251155
Ion Ratio	Lower	Upper	
252	100		
253	25.5	19.7	29.5
125	14.8	10.6	15.8



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: 5.66 ng

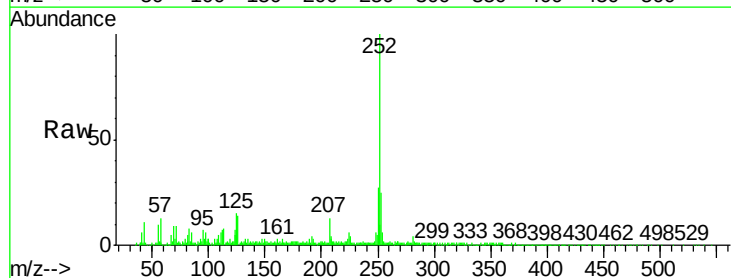
RT: 22.76 min Scan# 3416

Delta R.T. -0.04 min

Lab File: BG017990.D

Acq: 20 Jul 2015 15:52

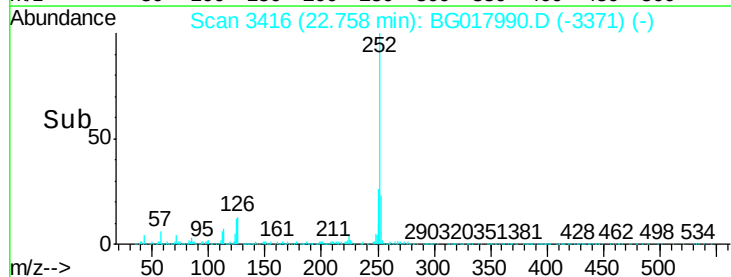
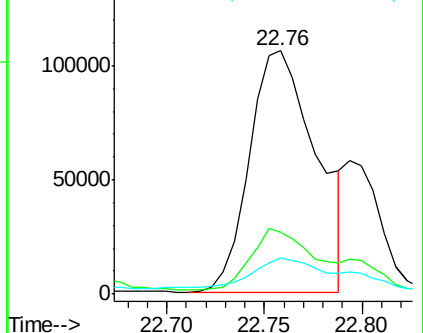
Tgt Ion:	252	Resp:	251155
Ion Ratio	Lower	Upper	
252	100		
253	25.5	19.0	28.6
125	14.8	10.3	15.5

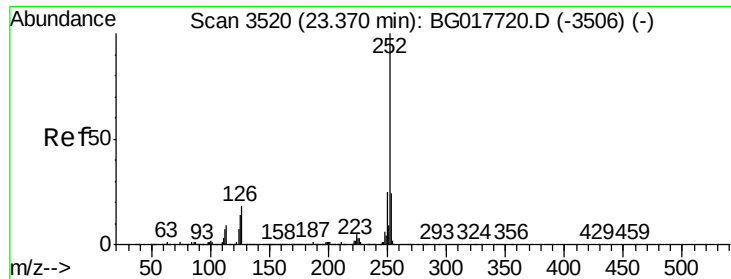


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#89

Benzo(a)pyrene

Concen: 4.16 ng

RT: 23.32 min Scan# 3512

Delta R.T. 0.01 min

Lab File: BG017990.D

Acq: 20 Jul 2015 15:52

Instrument :

BNA_G

ClientSampleId :

BRIDGE14-3(0-2)

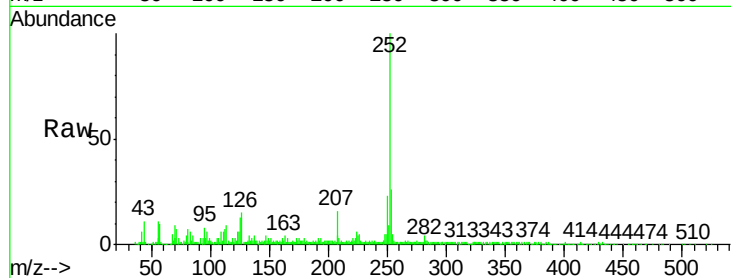
Tgt Ion:252 Resp: 172125

Ion Ratio Lower Upper

252 100

253 26.5 19.0 28.6

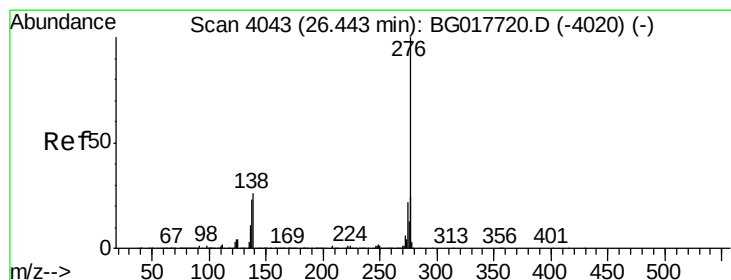
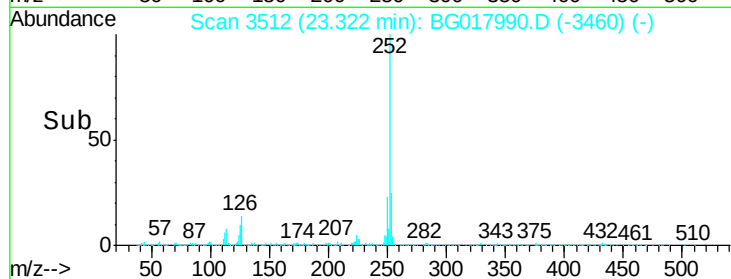
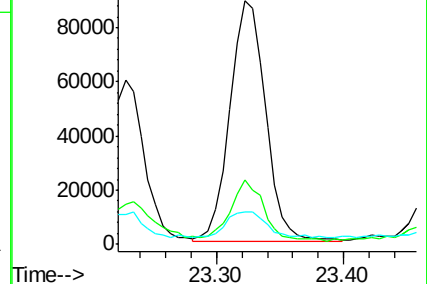
125 13.3 11.1 16.7



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



#91

Benzo(g,h,i)perylene

Concen: 2.19 ng

RT: 26.36 min Scan# 4029

Delta R.T. 0.01 min

Lab File: BG017990.D

Acq: 20 Jul 2015 15:52

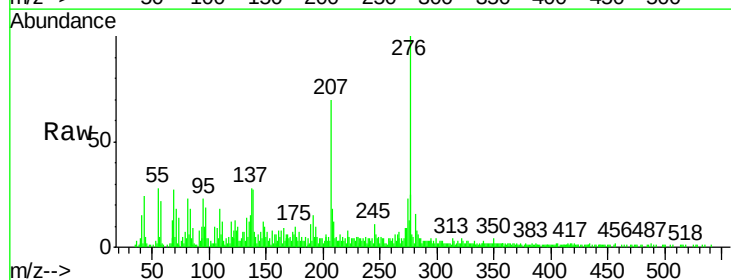
Tgt Ion:276 Resp: 90432

Ion Ratio Lower Upper

276 100

277 24.5 18.9 28.3

138 27.4 20.8 31.2



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

