

Data Path : U:\HPCHEM1\BNA G\DATA\BG042116\
 Data File : BG021789.D
 Acq On : 20 Apr 2016 17:43
 Operator : UM/SJ
 Sample : H2413-05
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Apr 21 01:08:01 2016
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG041316.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Apr 13 15:48:13 2016
 Response via : Initial Calibration

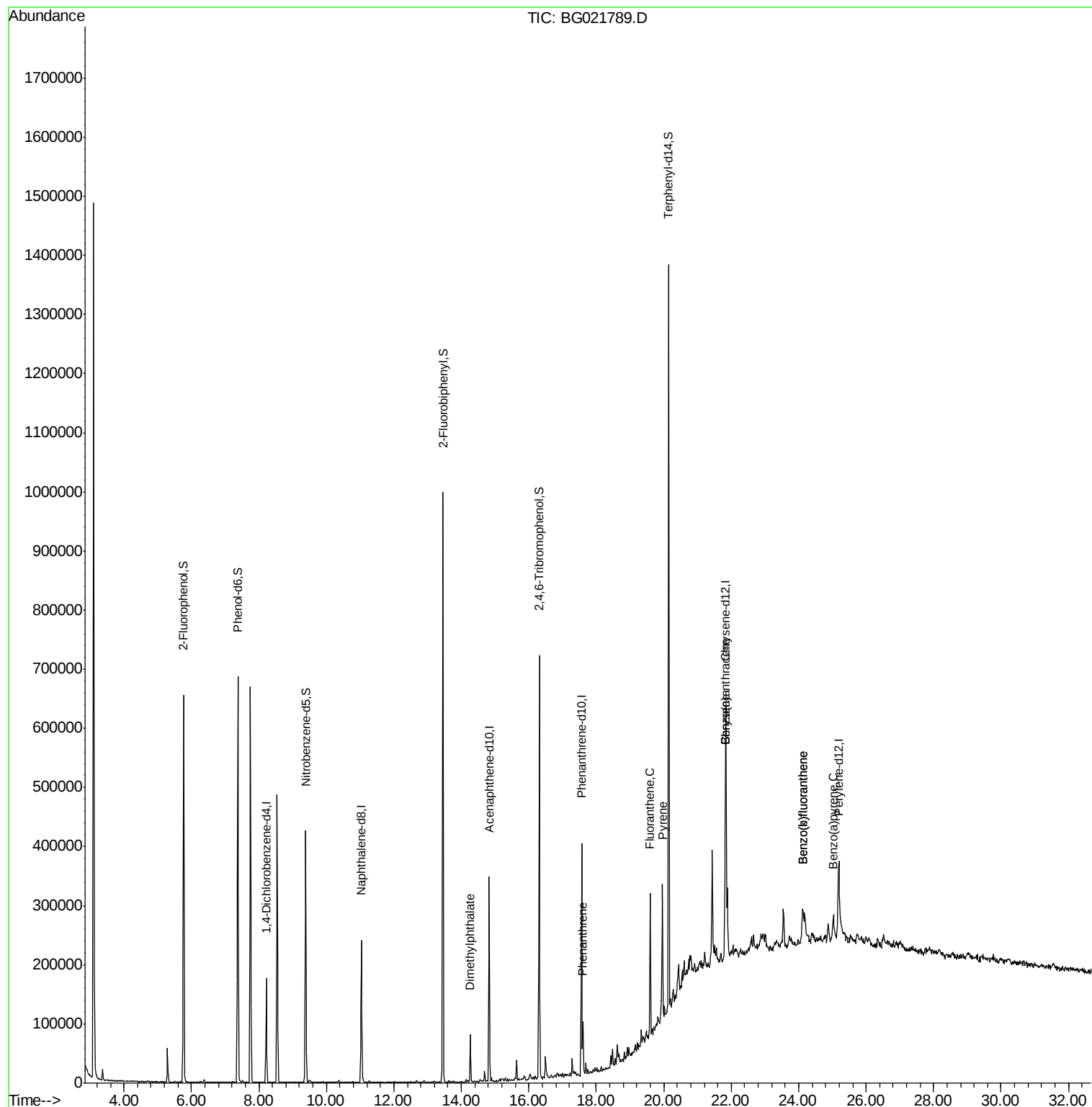
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.22	152	50201	20.00	ng	0.00
21) Naphthalene-d8	11.04	136	214234	20.00	ng	0.00
38) Acenaphthene-d10	14.83	164	120367	20.00	ng	0.00
63) Phenanthrene-d10	17.57	188	242869	20.00	ng	0.00
75) Chrysene-d12	21.84	240	269124	20.00	ng	0.00
86) Perylene-d12	25.19	264	182244	20.00	ng	0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.77	112	297458	98.67	ng	0.00
7) Phenol-d6	7.38	99	437125	97.07	ng	0.02
23) Nitrobenzene-d5	9.39	82	271431	65.12	ng	0.00
41) 2,4,6-Tribromophenol	16.31	330	136265	105.04	ng	0.00
44) 2-Fluorobiphenyl	13.45	172	516151	62.83	ng	0.00
78) Terphenyl-d14	20.14	244	556902	51.63	ng	0.00
Target Compounds						Qvalue
49) Dimethylphthalate	14.26	163	52814	5.07	ng	98
70) Phenanthrene	17.61	178	55276	4.13	ng	98
74) Fluoranthene	19.60	202	149692	9.37	ng	99
77) Pyrene	19.96	202	150647	9.71	ng	98
80) Benzo(a)anthracene	21.82	228	86481	5.58	ng	99
82) Chrysene	21.82	228	86554	5.82	ng	95
87) Benzo(b)fluoranthene	24.12	252	67944	6.43	ng	# 87
88) Benzo(k)fluoranthene	24.12	252	67944	6.57	ng	# 87
89) Benzo(a)pyrene	25.03	252	55423	5.41	ng	# 91

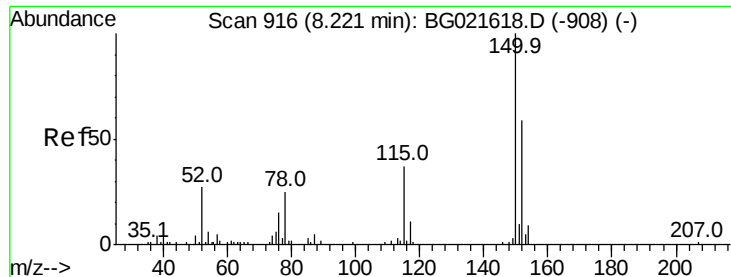
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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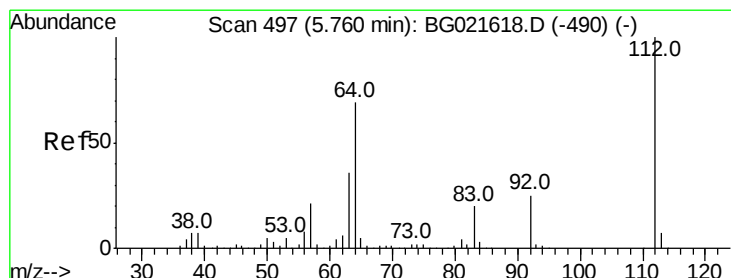
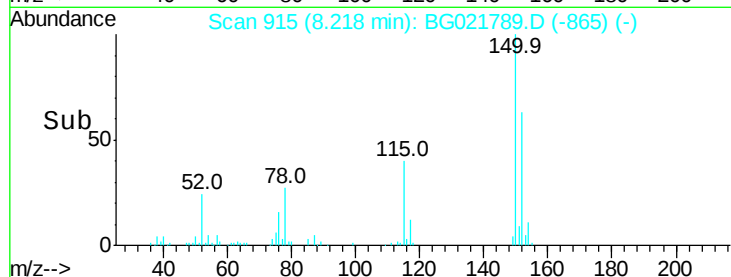
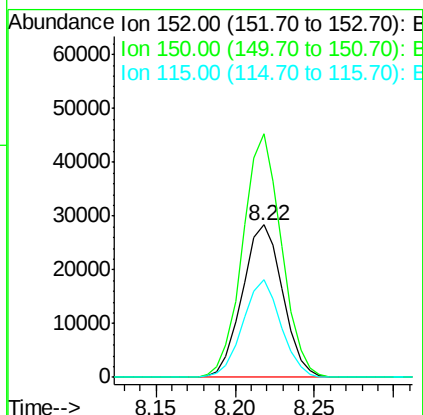
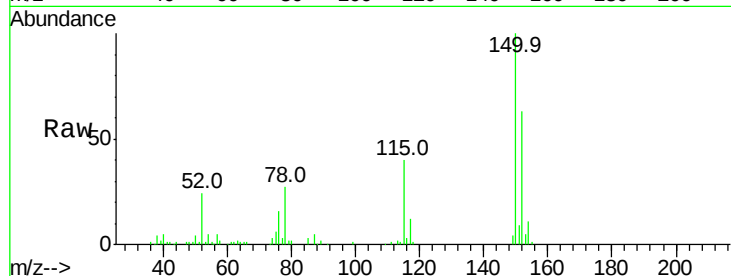


#1

1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 8.22 min Scan# 915
Delta R.T. -0.00 min
Lab File: BG021789.D
Acq: 20 Apr 2016 17:43

Instrument :
BNA_G
ClientSampleId :

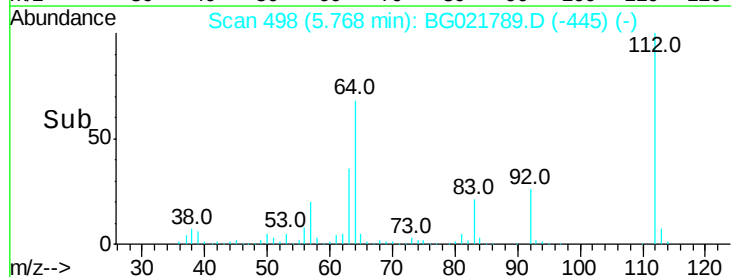
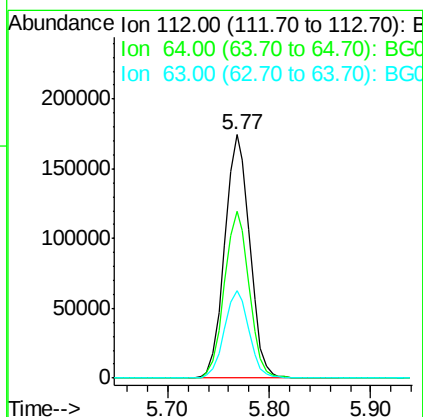
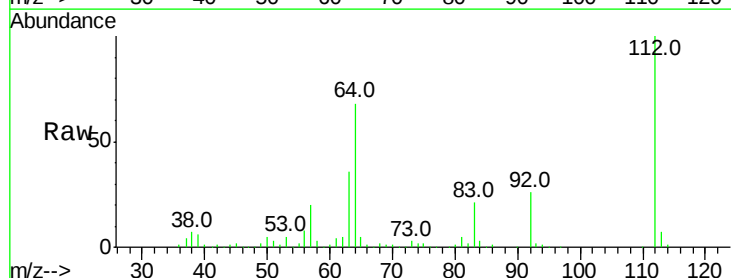
Tot Ion:152 Resp: 50201
Ion Ratio Lower Upper
152 100
150 159.7 130.1 195.1
115 64.1 62.2 93.2

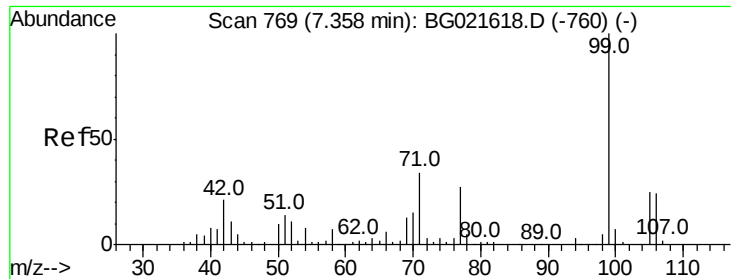


#5

2-Fluorophenol
Concen: 98.67 ng
RT: 5.77 min Scan# 498
Delta R.T. 0.01 min
Lab File: BG021789.D
Acq: 20 Apr 2016 17:43

Tgt Ion:112 Resp: 297458
Ion Ratio Lower Upper
112 100
64 68.4 51.1 76.7
63 36.0 24.6 37.0





#7

Phenol-d6

Concen: 97.07 ng

RT: 7.38 min Scan# 772

Delta R.T. 0.02 min

Lab File: BG021789.D

Acq: 20 Apr 2016 17:43

Instrument :

BNA_G

ClientSampleId :

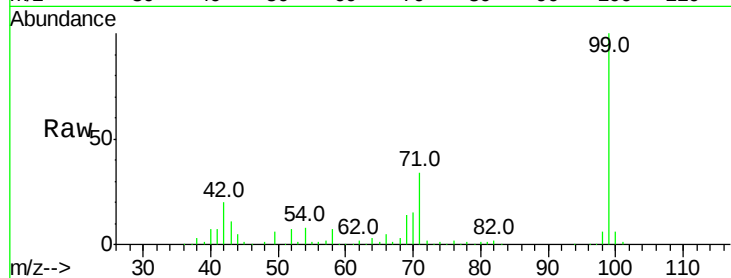
Tot Ion: 99 Resp: 437125

Ion Ratio Lower Upper

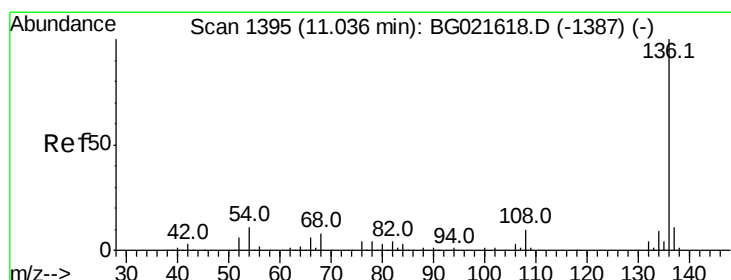
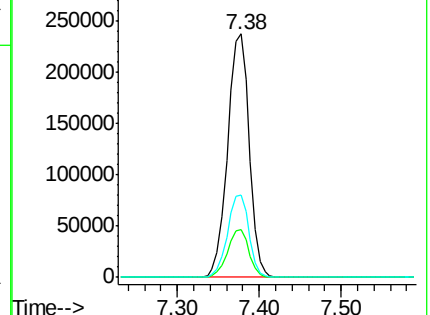
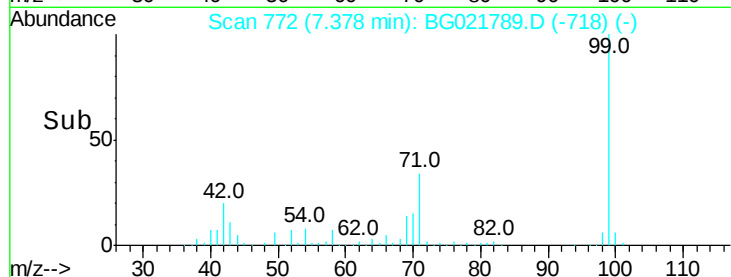
99 100

42 19.6 16.4 24.6

71 33.8 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: 11.04 min Scan# 1395

Delta R.T. 0.00 min

Lab File: BG021789.D

Acq: 20 Apr 2016 17:43

Tgt Ion: 136 Resp: 214234

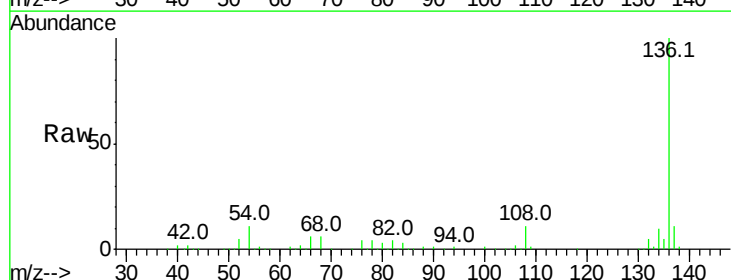
Ion Ratio Lower Upper

136 100

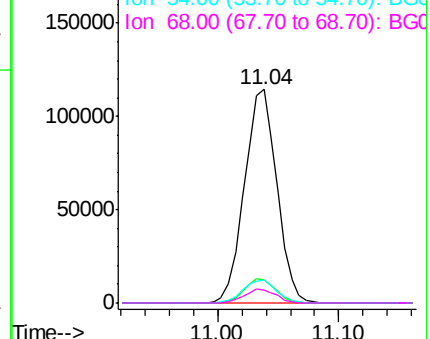
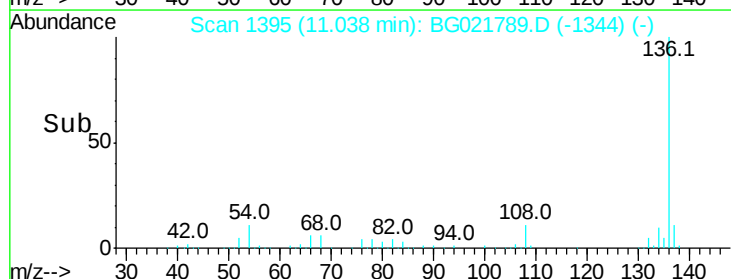
137 10.7 9.0 13.4

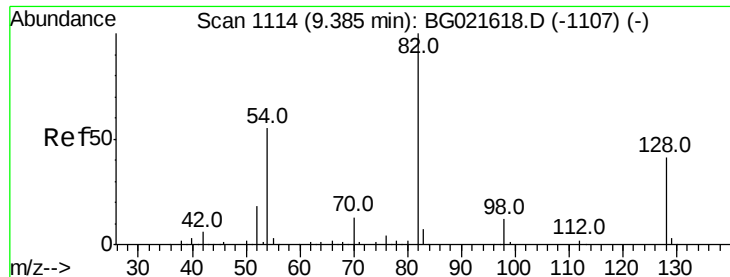
54 10.7 9.6 14.4

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: 65.12 ng

RT: 9.39 min Scan# 1114

Delta R.T. 0.00 min

Lab File: BG021789.D

Acq: 20 Apr 2016 17:43

Instrument :

BNA_G

ClientSampled :

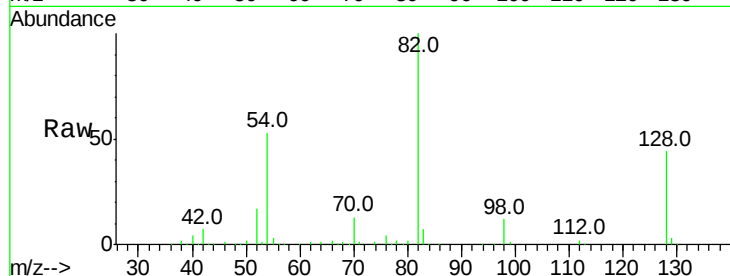
Tot Ion: 82 Resp: 271431

Ion Ratio Lower Upper

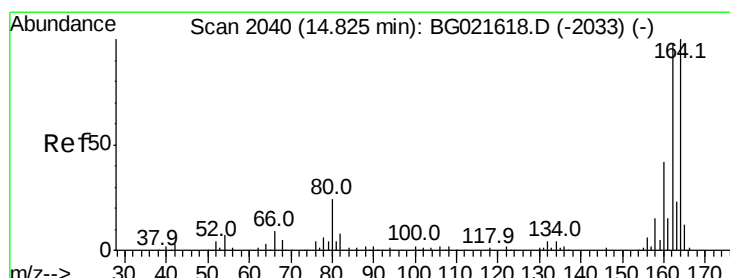
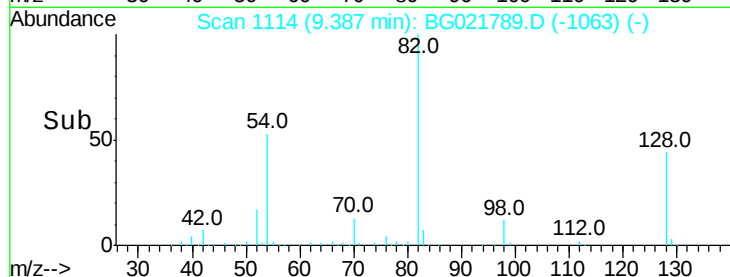
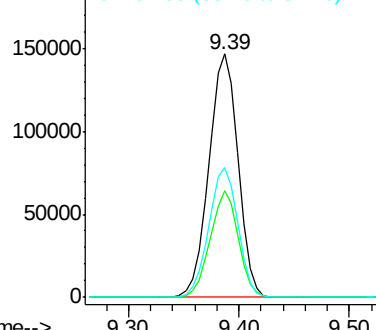
82 100

128 43.7 33.4 50.0

54 53.1 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: 14.83 min Scan# 2040

Delta R.T. 0.00 min

Lab File: BG021789.D

Acq: 20 Apr 2016 17:43

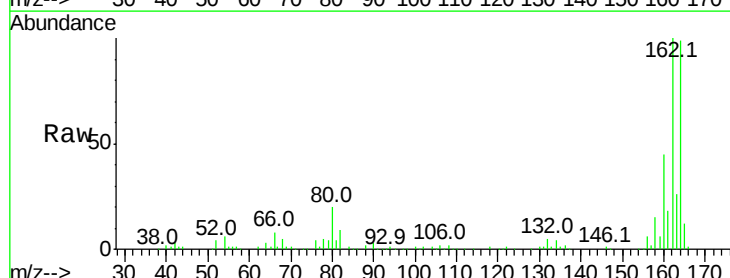
Tgt Ion: 164 Resp: 120367

Ion Ratio Lower Upper

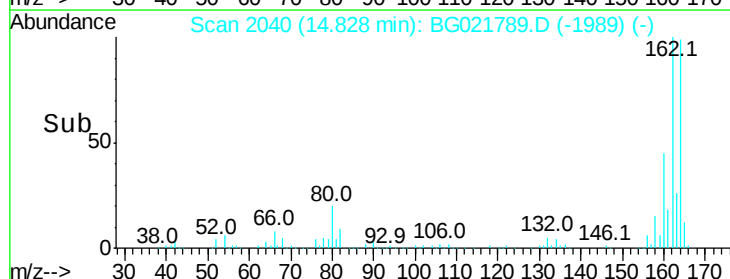
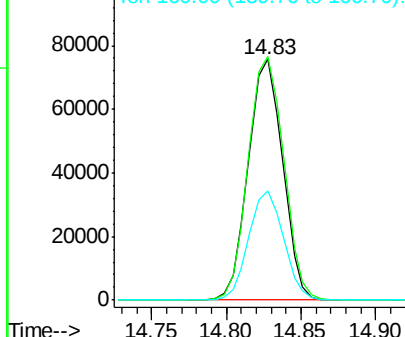
164 100

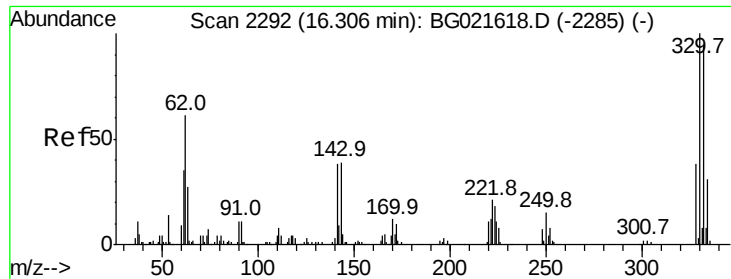
162 101.2 78.0 117.0

160 45.5 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

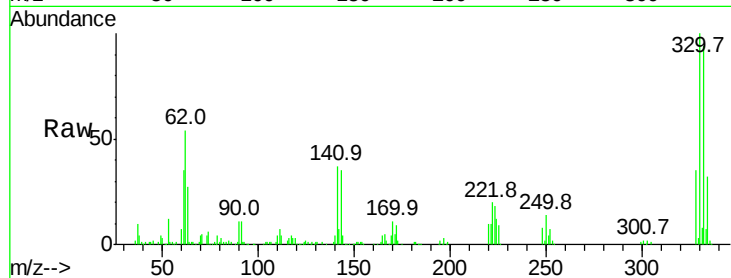




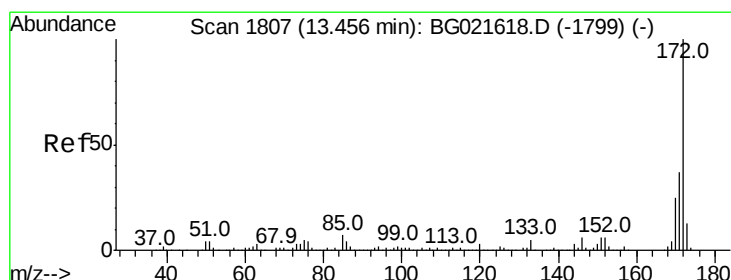
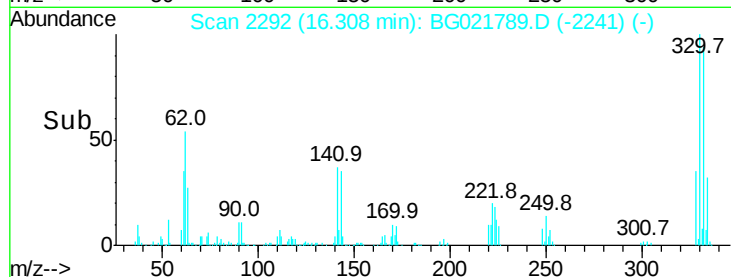
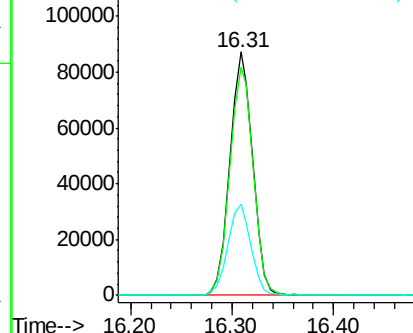
#41
 2,4,6-Tribromophenol
 Concen: 105.04 ng
 RT: 16.31 min Scan# 2292
 Delta R.T. 0.00 min
 Lab File: BG021789.D
 Acq: 20 Apr 2016 17:43

Instrument :
 BNA_G
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
330	100		
332	96.0	78.0	117.0
141	38.2	33.8	50.8

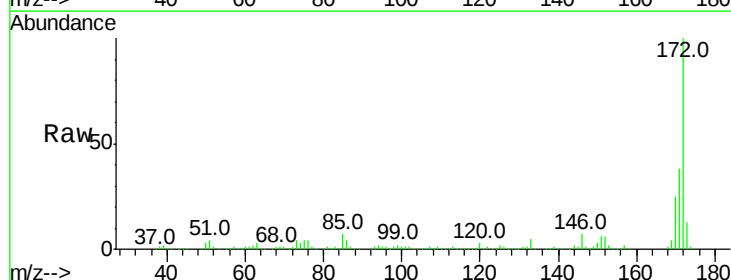


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

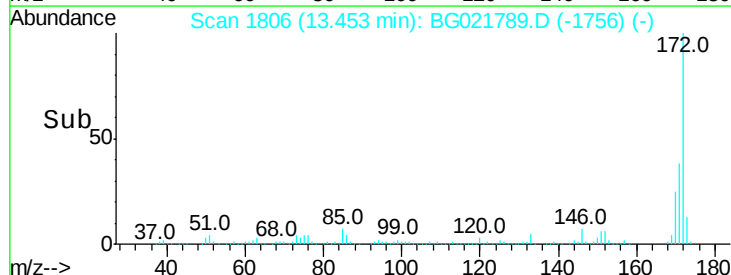
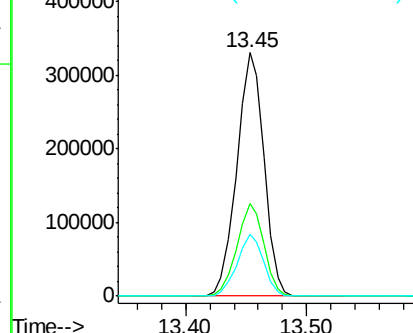


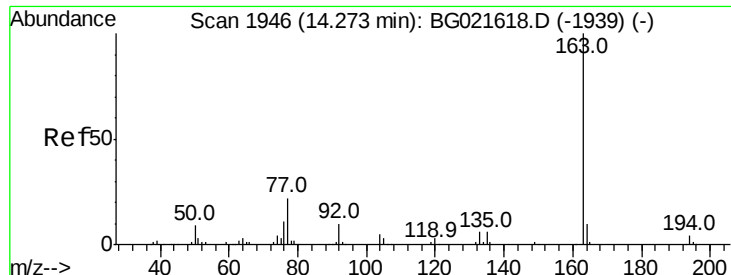
#44
 2-Fluorobiphenyl
 Concen: 62.83 ng
 RT: 13.45 min Scan# 1806
 Delta R.T. -0.00 min
 Lab File: BG021789.D
 Acq: 20 Apr 2016 17:43

Tgt Ion	Ratio	Lower	Upper
172	100		
171	37.9	27.8	41.6
170	25.5	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: 5.07 ng

RT: 14.26 min Scan# 1944

Delta R.T. -0.01 min

Lab File: BG021789.D

Acq: 20 Apr 2016 17:43

Instrument :

BNA_G

ClientSampled :

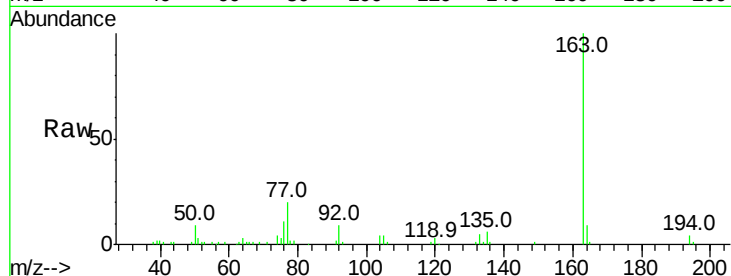
Tot Ion:163 Resp: 52814

Ion Ratio Lower Upper

163 100

194 4.3 3.0 4.6

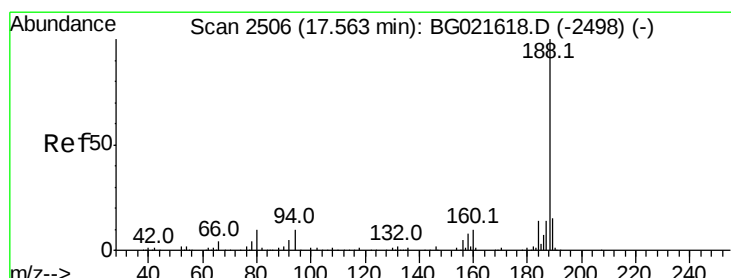
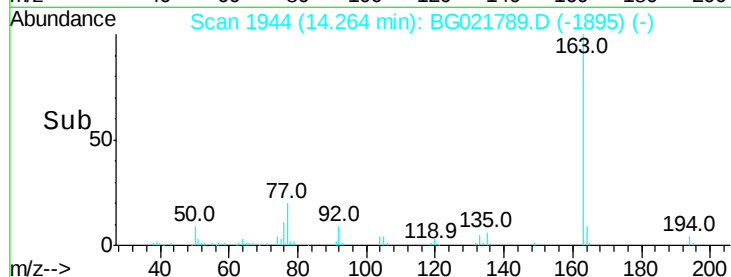
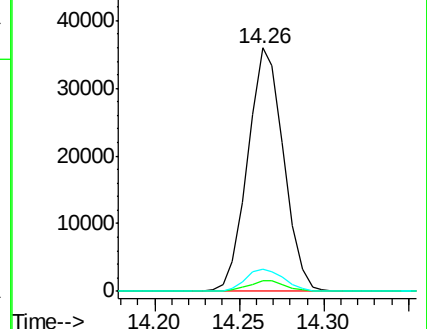
164 9.3 8.1 12.1



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: 17.57 min Scan# 2506

Delta R.T. 0.00 min

Lab File: BG021789.D

Acq: 20 Apr 2016 17:43

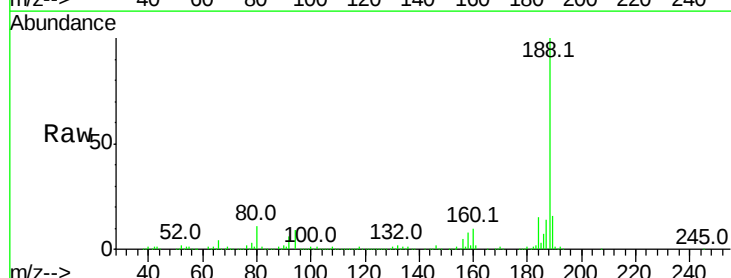
Tgt Ion:188 Resp: 242869

Ion Ratio Lower Upper

188 100

94 8.7 7.5 11.3

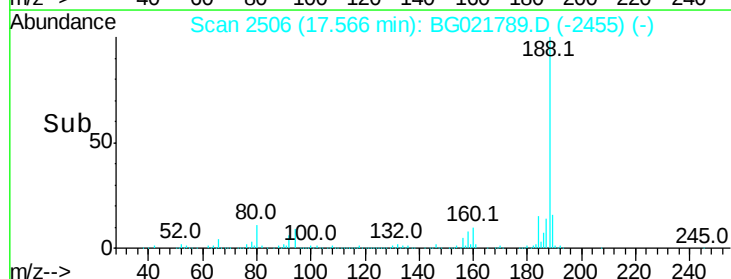
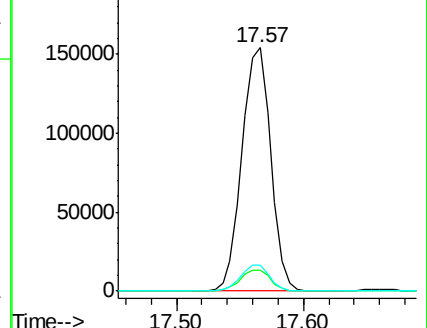
80 10.6 8.6 13.0

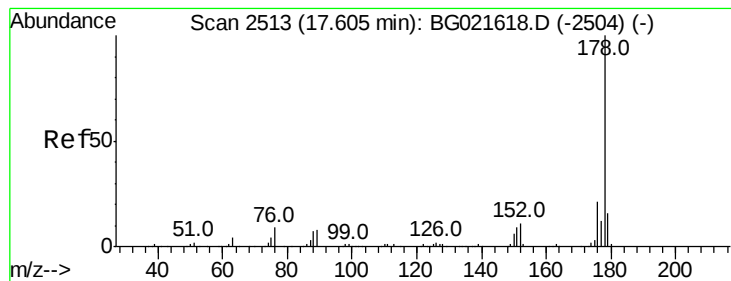


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC





#70

Phenanthrene

Concen: 4.13 ng

RT: 17.61 min Scan# 2513

Delta R.T. 0.00 min

Lab File: BG021789.D

Acq: 20 Apr 2016 17:43

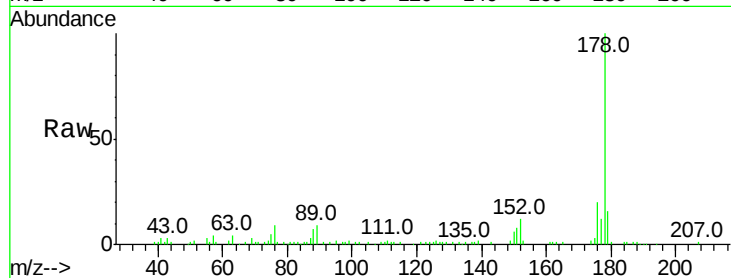
Instrument :

BNA_G

ClientSampleId :

Tot Ion:178 Resp: 55276

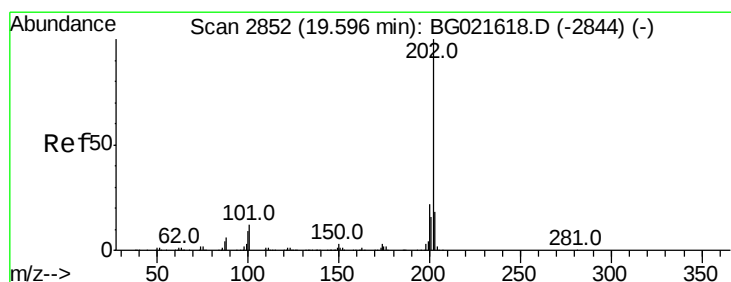
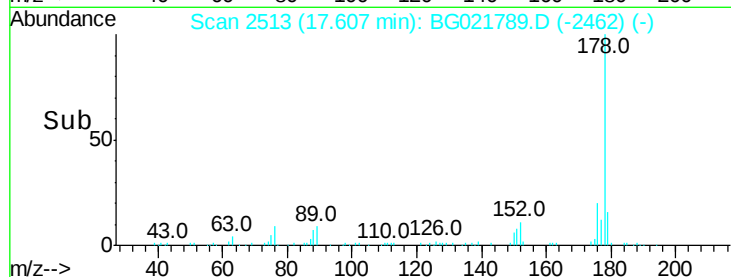
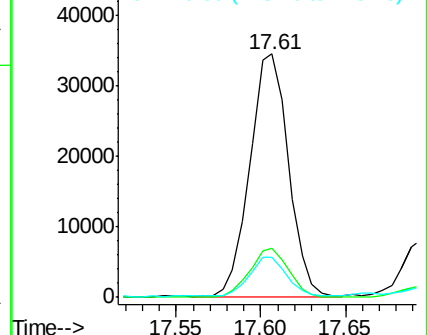
Ion	Ratio	Lower	Upper
178	100		
176	20.1	16.2	24.4
179	16.5	12.0	18.0



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: 9.37 ng

RT: 19.60 min Scan# 2852

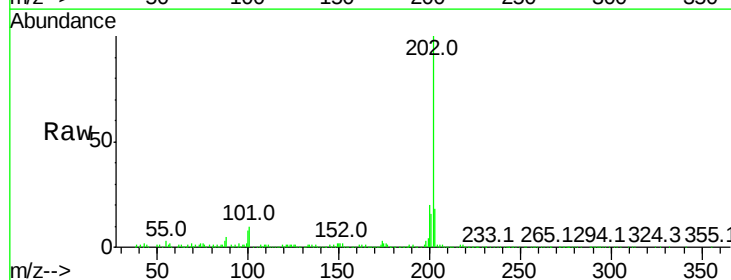
Delta R.T. 0.00 min

Lab File: BG021789.D

Acq: 20 Apr 2016 17:43

Tgt Ion:202 Resp: 149692

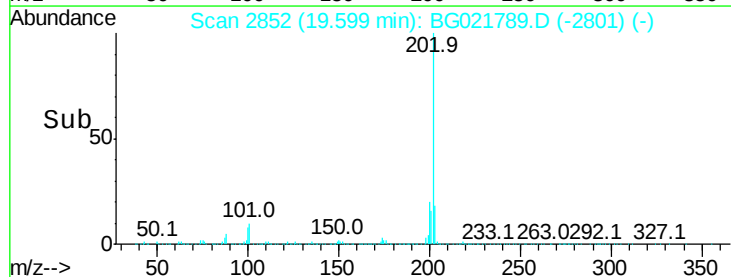
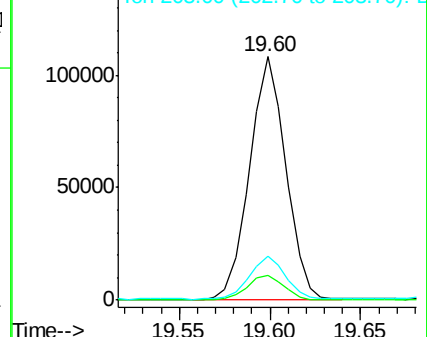
Ion	Ratio	Lower	Upper
202	100		
101	10.0	0.0	31.0
203	18.0	0.0	37.9

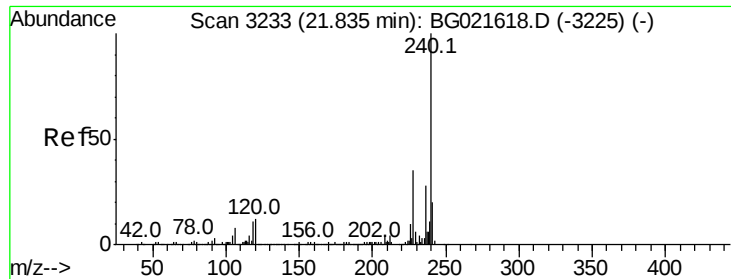


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

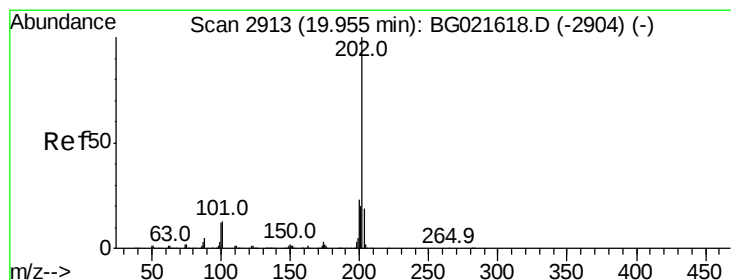
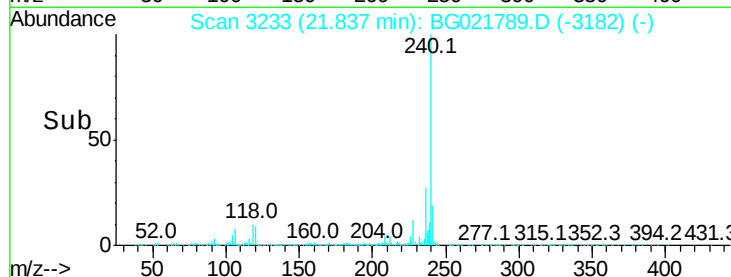
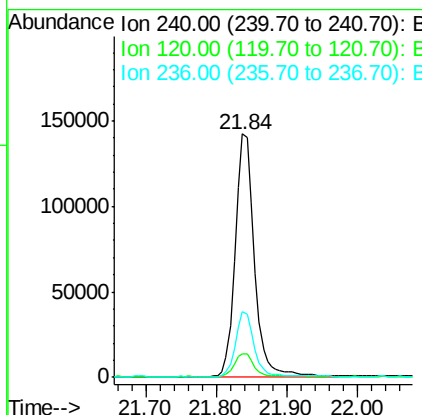
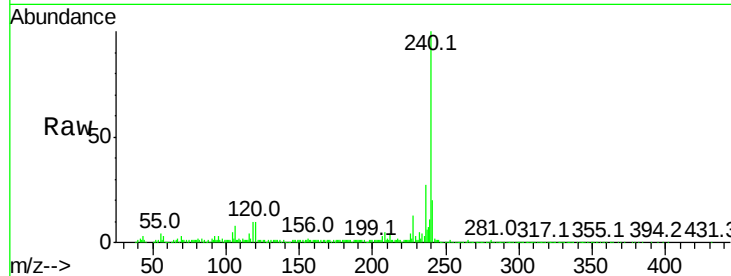




#75
Chrysene-d12
Concen: 20.00 ng
RT: 21.84 min Scan# 3233
Delta R.T. 0.00 min
Lab File: BG021789.D
Acq: 20 Apr 2016 17:43

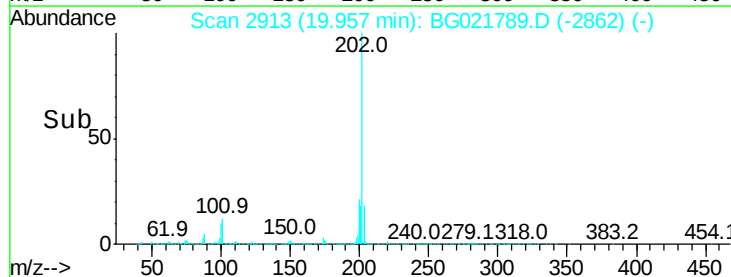
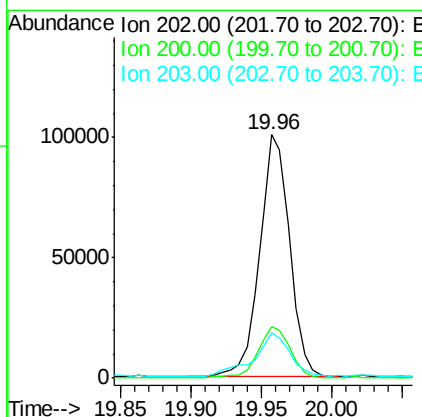
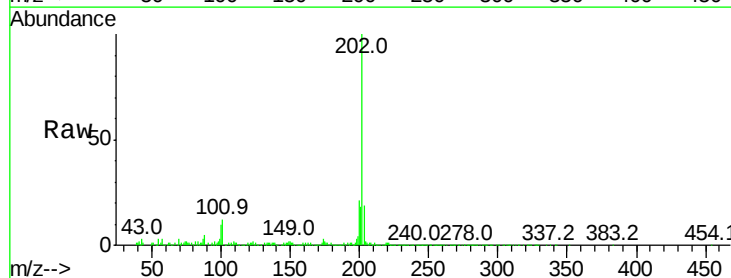
Instrument :
BNA_G
ClientSampleId :

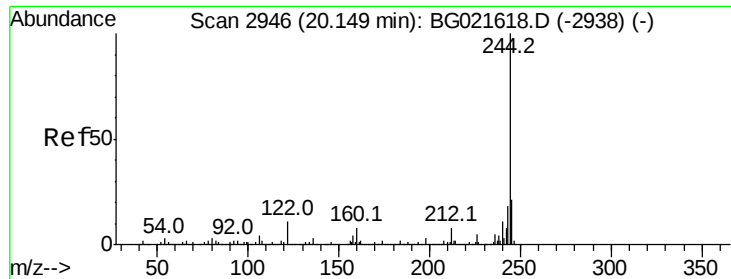
Tot Ion	Ratio	Lower	Upper
240	100		
120	9.8	8.4	12.6
236	27.2	19.6	29.4



#77
Pyrene
Concen: 9.71 ng
RT: 19.96 min Scan# 2913
Delta R.T. 0.00 min
Lab File: BG021789.D
Acq: 20 Apr 2016 17:43

Tgt Ion	Ratio	Lower	Upper
202	100		
200	21.0	18.2	27.2
203	18.8	15.0	22.4





#78

Terphenyl-d14

Concen: 51.63 ng

RT: 20.14 min Scan# 2945

Delta R.T. -0.00 min

Lab File: BG021789.D

Acq: 20 Apr 2016 17:43

Instrument :

BNA_G

ClientSampleId :

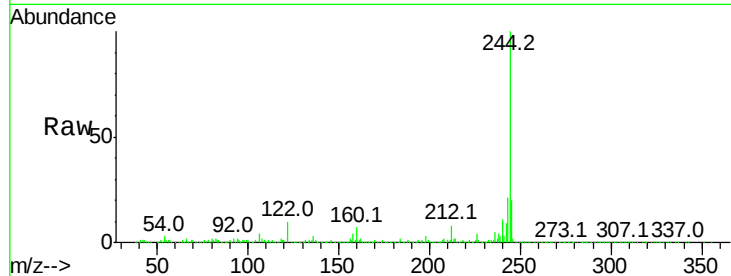
Tot Ion:244 Resp: 556902

Ion Ratio Lower Upper

244 100

212 8.1 6.5 9.7

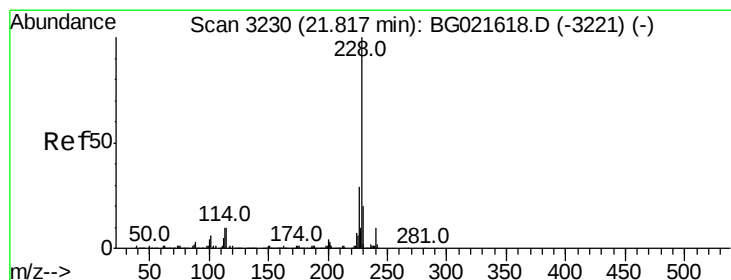
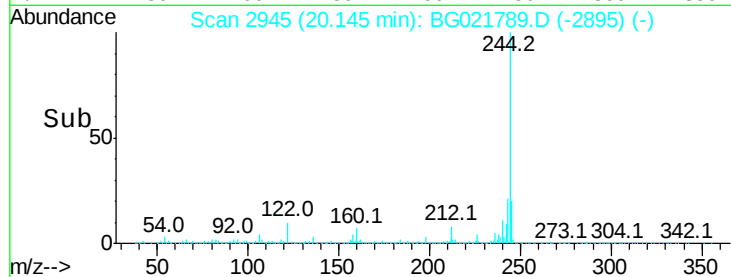
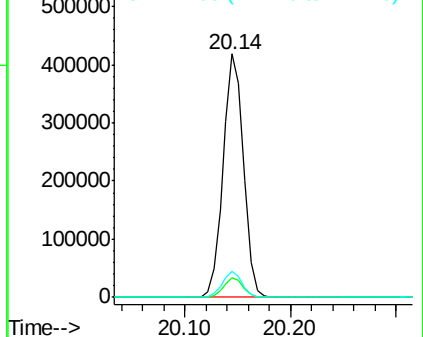
122 10.5 8.6 12.8



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: 5.58 ng

RT: 21.82 min Scan# 3230

Delta R.T. 0.00 min

Lab File: BG021789.D

Acq: 20 Apr 2016 17:43

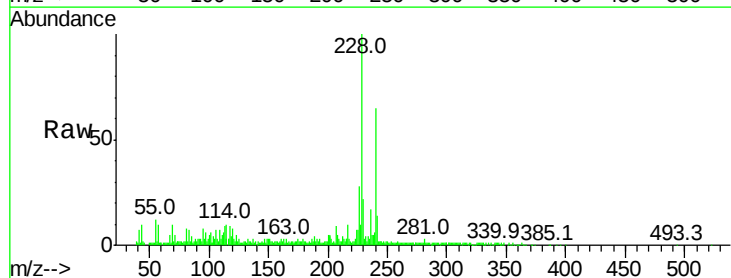
Tgt Ion:228 Resp: 86481

Ion Ratio Lower Upper

228 100

226 28.3 22.6 34.0

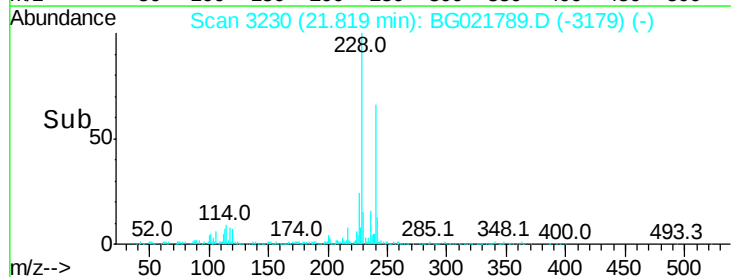
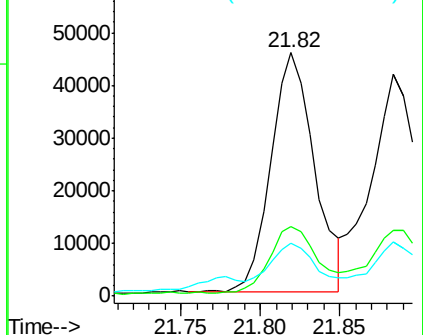
229 21.5 16.1 24.1

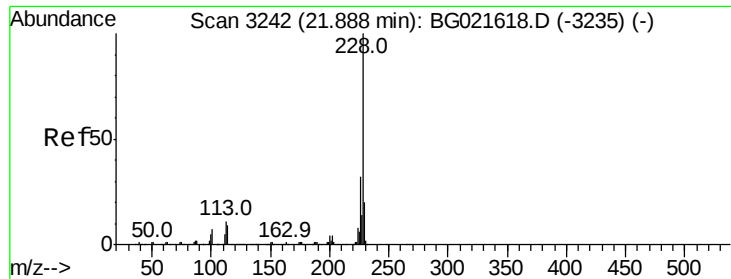


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#82

Chrysene

Concen: 5.82 ng

RT: 21.82 min Scan# 3230

Delta R.T. -0.07 min

Lab File: BG021789.D

Acq: 20 Apr 2016 17:43

Instrument :

BNA_G

ClientSampleId :

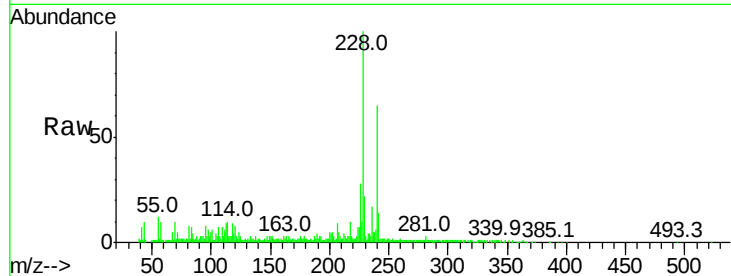
Tot Ion:228 Resp: 86554

Ion Ratio Lower Upper

228 100

226 28.3 25.4 38.0

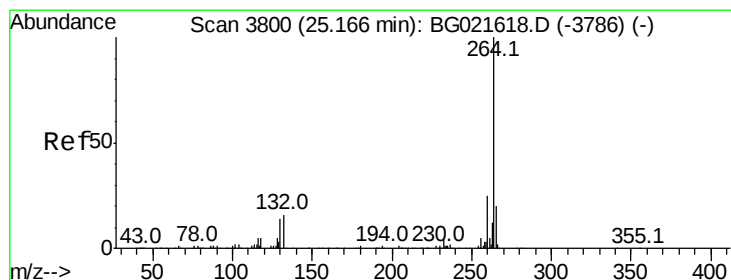
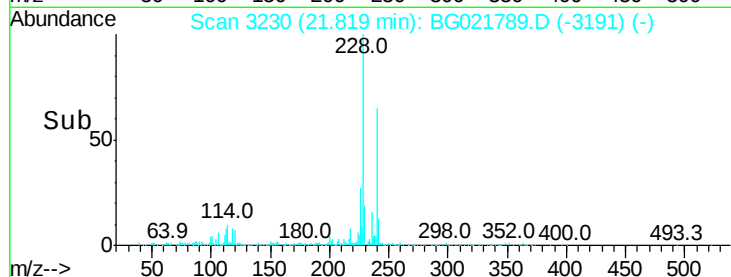
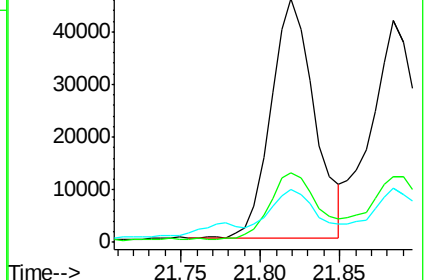
229 21.5 15.9 23.9



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: 25.19 min Scan# 3804

Delta R.T. 0.03 min

Lab File: BG021789.D

Acq: 20 Apr 2016 17:43

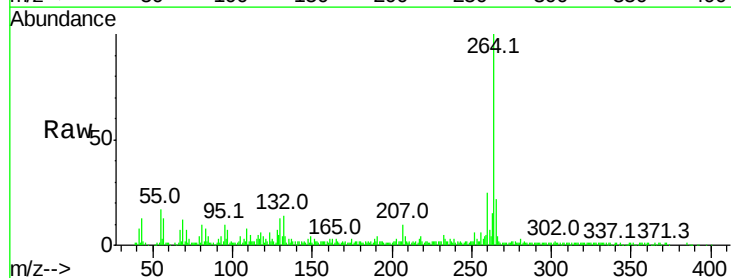
Tgt Ion:264 Resp: 182244

Ion Ratio Lower Upper

264 100

260 25.4 20.2 30.4

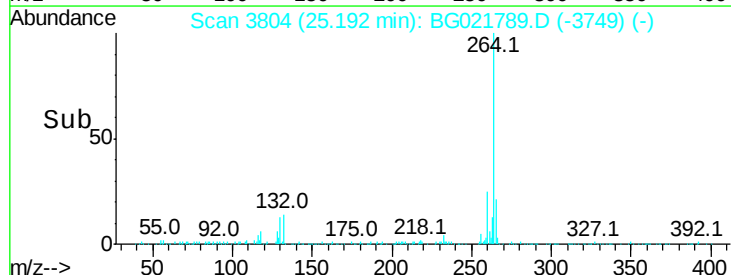
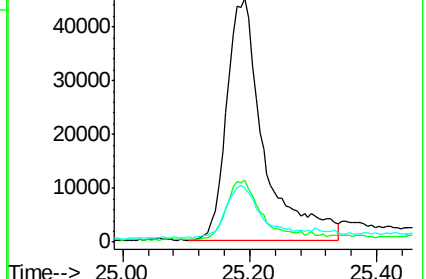
265 22.4 17.8 26.8

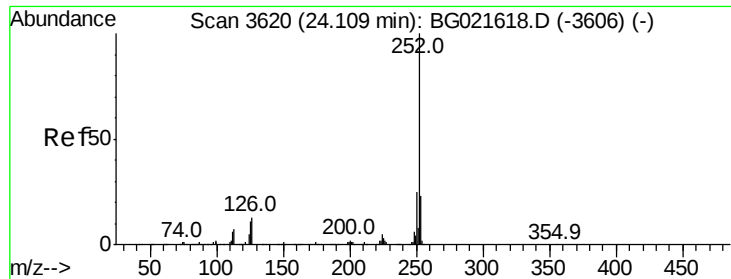


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

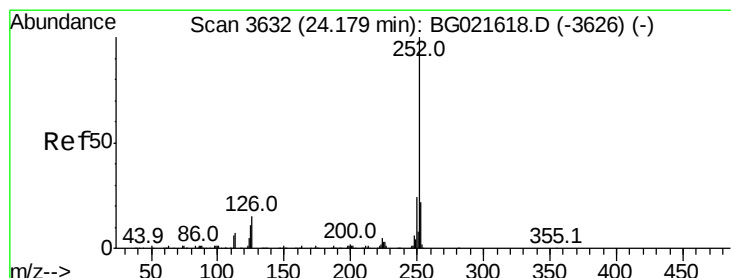
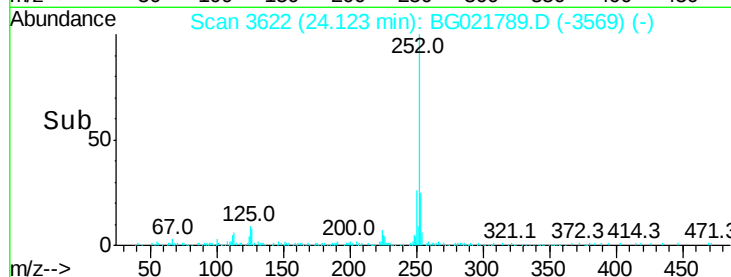
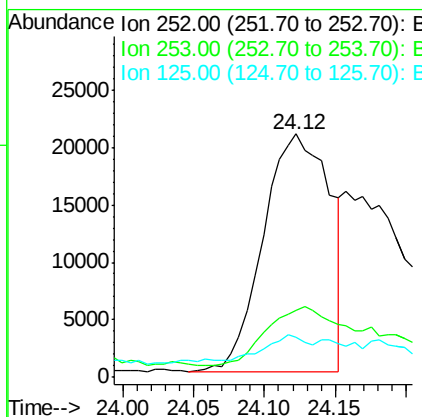
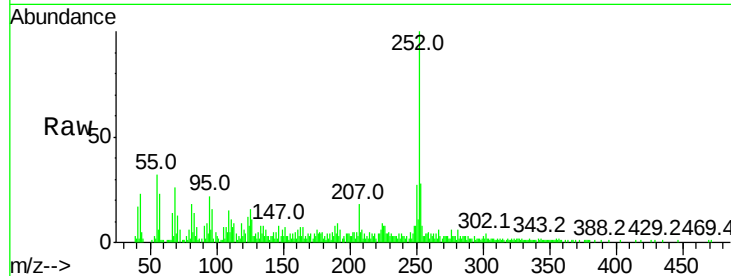




#87
Benzo(b)fluoranthene
Concen: 6.43 ng
RT: 24.12 min Scan# 3622
Delta R.T. 0.01 min
Lab File: BG021789.D
Acq: 20 Apr 2016 17:43

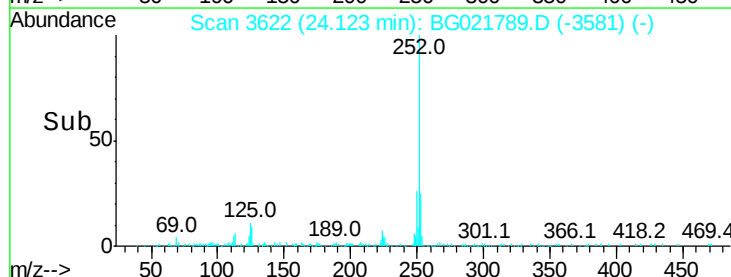
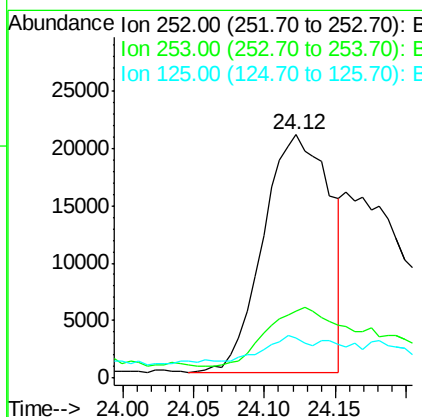
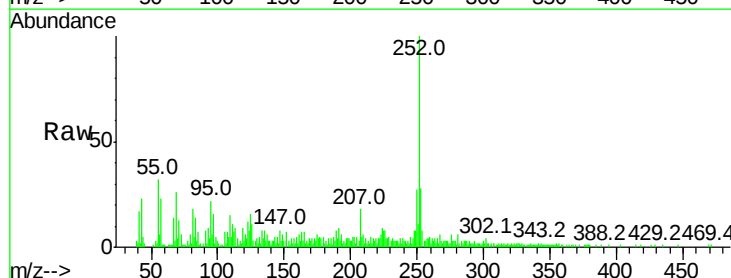
Instrument :
BNA_G
ClientSampleId :

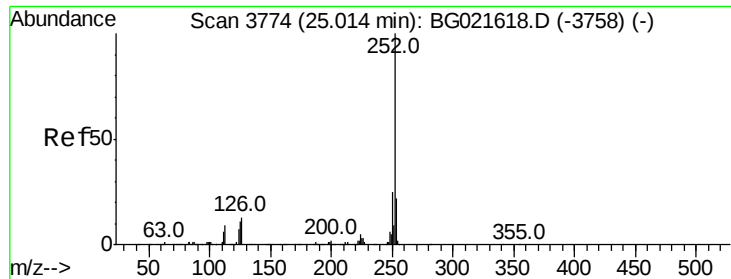
Tot Ion:252 Resp: 67944
Ion Ratio Lower Upper
252 100
253 27.7 17.5 26.3#
125 16.4 8.6 13.0#



#88
Benzo(k)fluoranthene
Concen: 6.57 ng
RT: 24.12 min Scan# 3622
Delta R.T. -0.06 min
Lab File: BG021789.D
Acq: 20 Apr 2016 17:43

Tgt Ion:252 Resp: 67944
Ion Ratio Lower Upper
252 100
253 27.7 17.8 26.8#
125 16.4 8.3 12.5#





#89

Benzo(a)pyrene

Concen: 5.41 ng

RT: 25.03 min Scan# 3776

Delta R.T. 0.01 min

Lab File: BG021789.D

Acq: 20 Apr 2016 17:43

Instrument :

BNA_G

ClientSampleId :

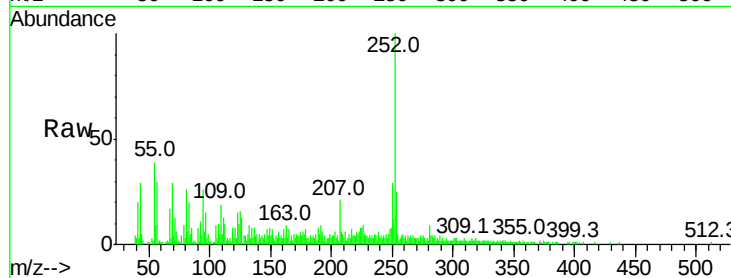
Tot Ion:252 Resp: 55423

Ion Ratio Lower Upper

252 100

253 25.0 17.1 25.7

125 16.5 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

