

Data Path : Z:\HPCHEM1\BNA G\Data\BG042116\RAW\
 Data File : BG021784.D
 Acq On : 20 Apr 2016 14:25
 Operator : UM/SJ
 Sample : H2589-13
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Apr 20 16:08:01 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

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

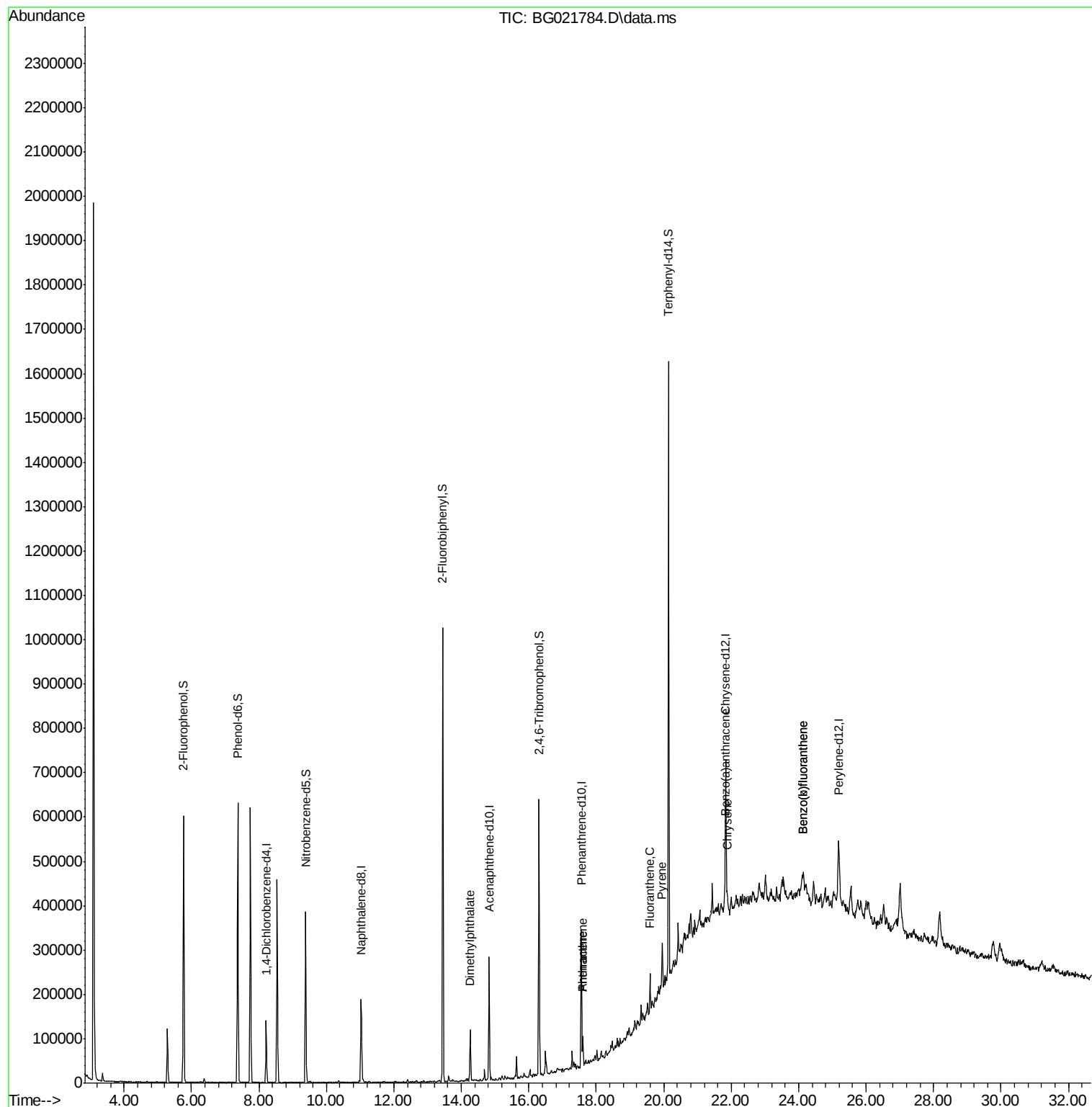
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.214	152	39315	20.00	ng	0.00
21) Naphthalene-d8	11.029	136	168639	20.00	ng	0.00
38) Acenaphthene-d10	14.824	164	94951	20.00	ng	0.00
63) Phenanthrene-d10	17.562	188	195460	20.00	ng	0.00
75) Chrysene-d12	21.834	240	217454	20.00	ng	0.00
86) Perylene-d12	25.188	264	169876	20.00	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.764	112	268198	113.60	ng	0.00
7) Phenol-d6	7.368	99	387763	109.96	ng	0.01
23) Nitrobenzene-d5	9.383	82	241616	73.64	ng	0.00
41) 2,4,6-Tribromophenol	16.305	330	113953	111.35	ng	0.00
44) 2-Fluorobiphenyl	13.449	172	531146	81.96	ng	0.00
78) Terphenyl-d14	20.147	244	627915	72.05	ng	0.00
Target Compounds						
49) Dimethylphthalate	14.266	163	76578	9.33	ng	Qvalue # 97
70) Phenanthrene	17.603	178	39126	3.63	ng	98
71) Anthracene	17.603	178	39126	3.58	ng	96
74) Fluoranthene	19.595	202	51254	3.98	ng	97
77) Pyrene	19.953	202	56101	4.47	ng	97
80) Benzo(a)anthracene	21.816	228	26330	2.10	ng	# 83
82) Chrysene	21.886	228	30067	2.50	ng	# 88
87) Benzo(b)fluoranthene	24.119	252	42374	4.30	ng	# 1
88) Benzo(k)fluoranthene	24.119	252	42374	4.40	ng	# 1

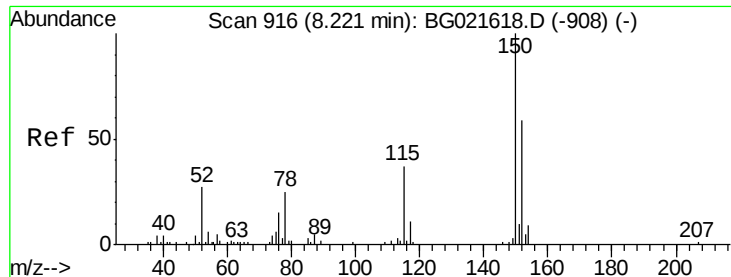
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Wed Apr 13 15:48:13 2016
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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 8.214 min Scan# 91

Delta R.T. -0.007 min

Lab File: BG021784.D

Acq: 20 Apr 2016 14:25

Instrument :

BNA_G

ClientSampleId :

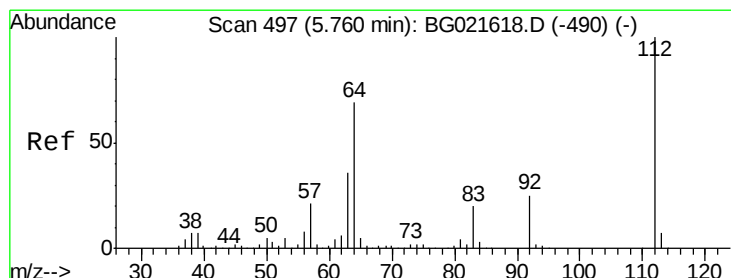
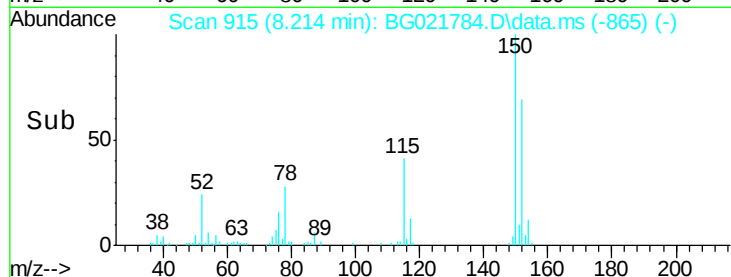
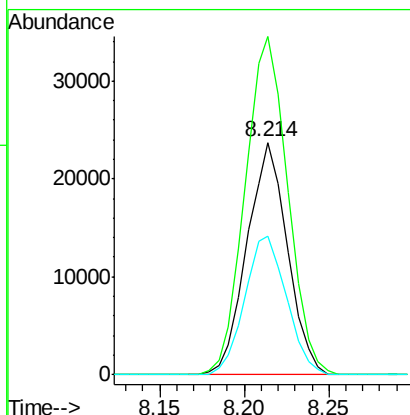
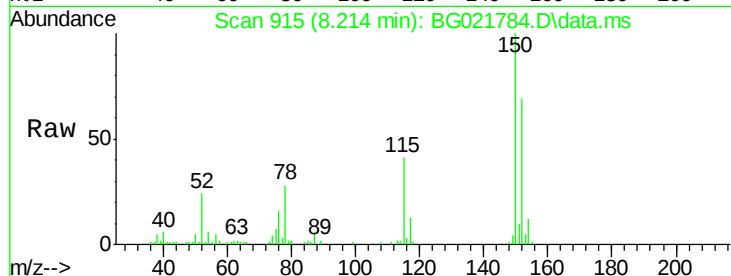
Tot Ion:152 Resp: 39315

Ion Ratio Lower Upper

152 100

150 145.5 130.1 195.1

115 59.4 62.2 93.2#



#5

2-Fluorophenol

Concen: 113.60 ng

RT: 5.764 min Scan# 498

Delta R.T. 0.005 min

Lab File: BG021784.D

Acq: 20 Apr 2016 14:25

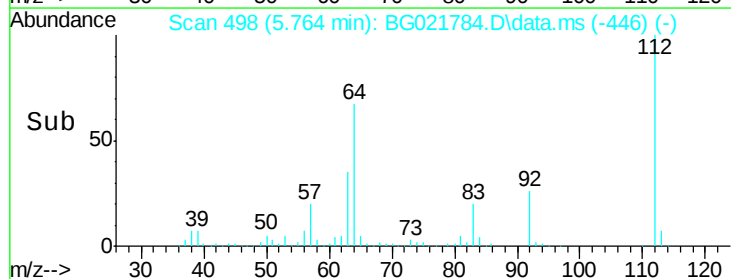
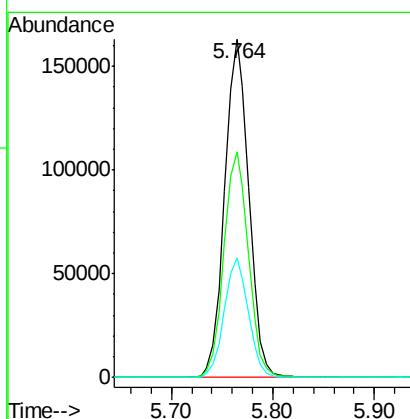
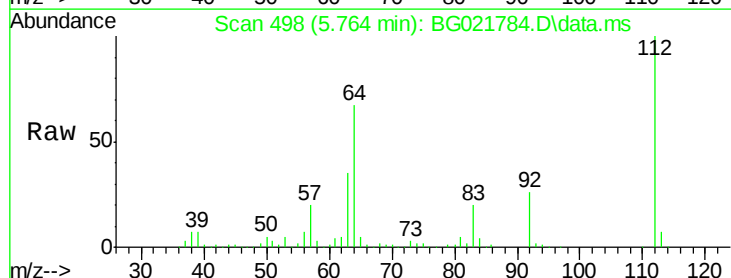
Tgt Ion:112 Resp: 268198

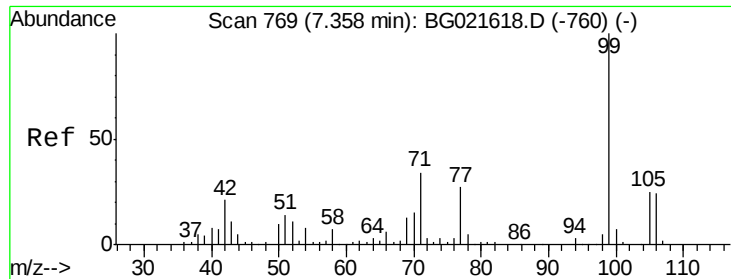
Ion Ratio Lower Upper

112 100

64 66.8 51.1 76.7

63 35.3 24.6 37.0





#7

Phenol-d6

Concen: 109.96 ng

RT: 7.368 min Scan# 77

Delta R.T. 0.010 min

Lab File: BG021784.D

Acq: 20 Apr 2016 14:25

Instrument :

BNA_G

ClientSampleId :

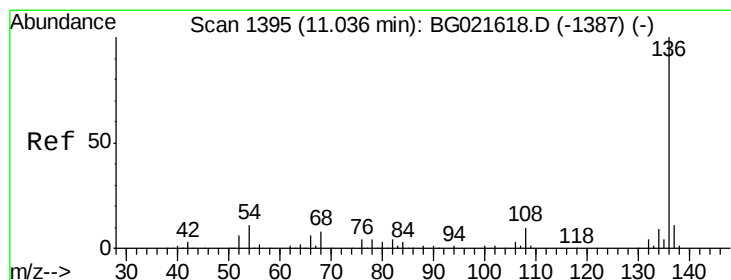
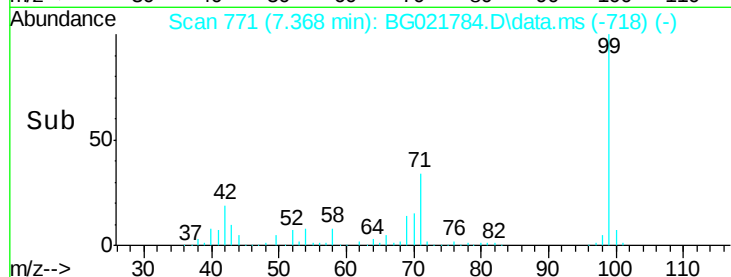
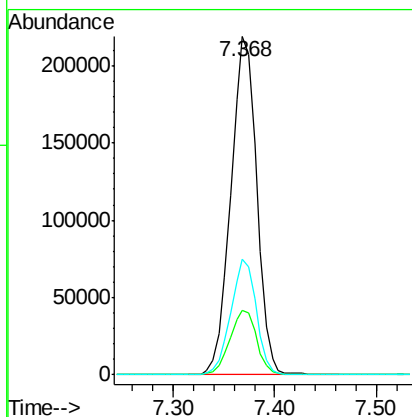
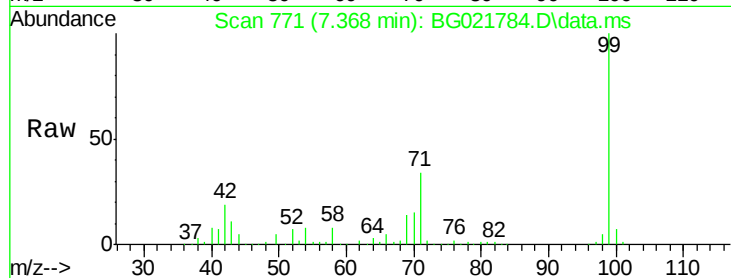
Tot Ion: 99 Resp: 387763

Ion Ratio Lower Upper

99 100

42 19.0 16.4 24.6

71 34.3 25.0 37.4



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 11.029 min Scan# 1394

Delta R.T. -0.007 min

Lab File: BG021784.D

Acq: 20 Apr 2016 14:25

Tgt Ion: 136 Resp: 168639

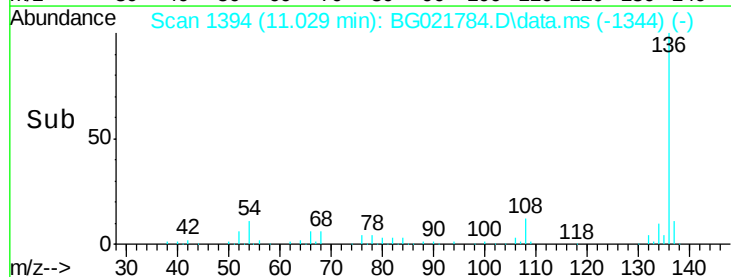
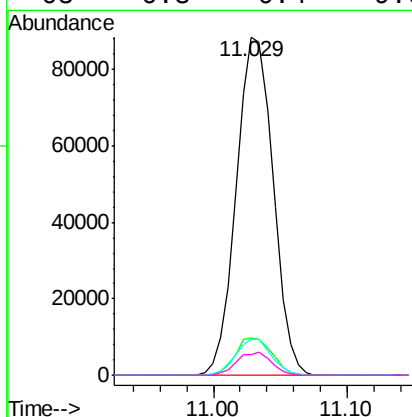
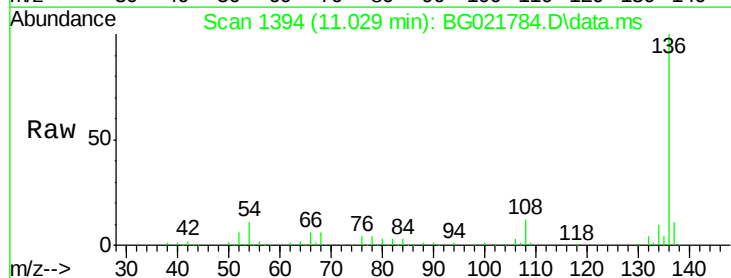
Ion Ratio Lower Upper

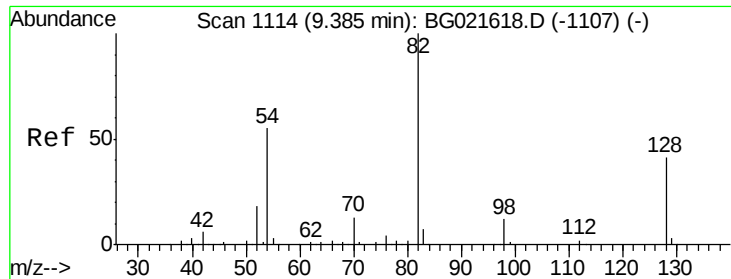
136 100

137 11.2 9.0 13.4

54 10.6 9.6 14.4

68 6.3 6.4 9.6#

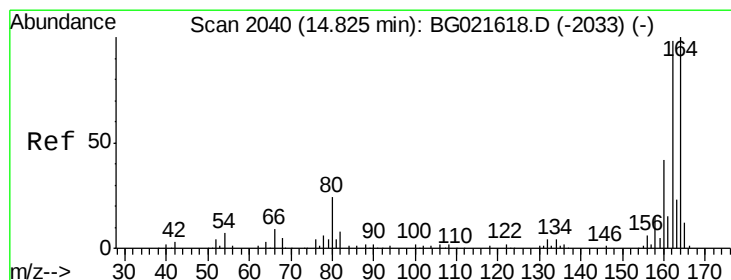
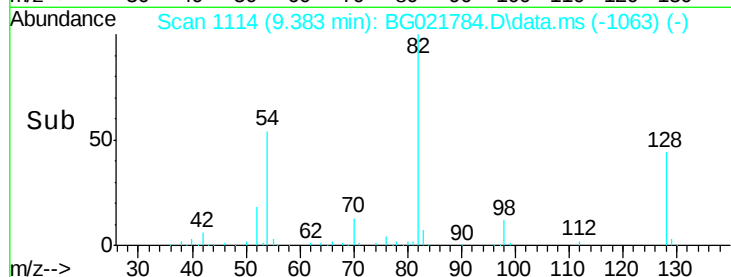
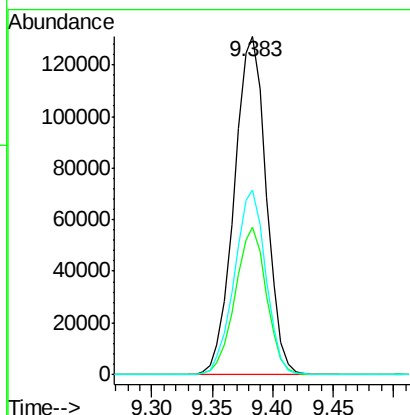
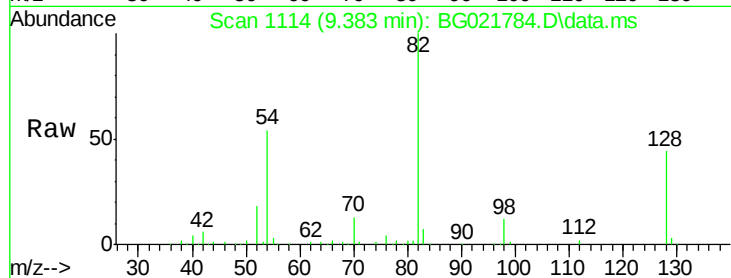




#23
 Nitrobenzene-d5
 Concen: 73.64 ng
 RT: 9.383 min Scan# 1114
 Delta R.T. -0.001 min
 Lab File: BG021784.D
 Acq: 20 Apr 2016 14:25

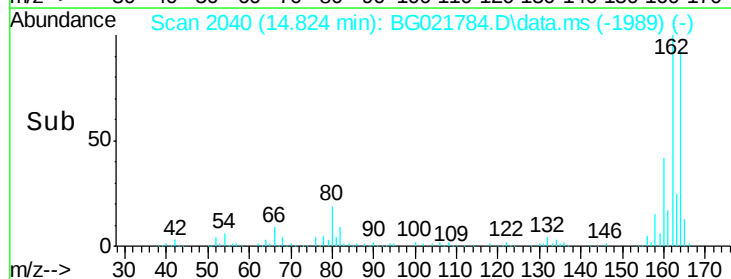
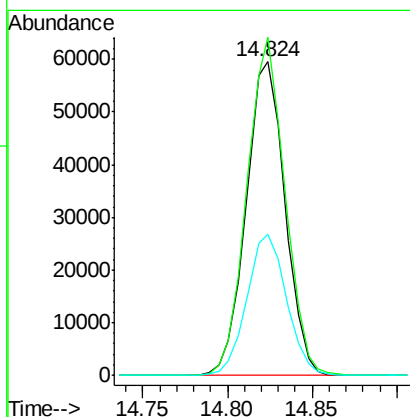
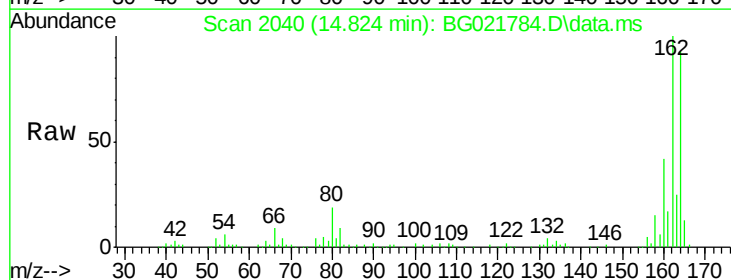
Instrument :
 BNA_G
 ClientSampleId :

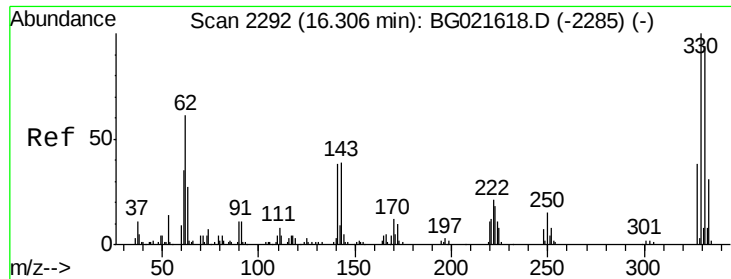
Tot Ion	82	Resp	241616
Ion Ratio	100	Lower	Upper
128	43.8	33.4	50.0
54	54.4	46.1	69.1



#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 14.824 min Scan# 2040
 Delta R.T. -0.001 min
 Lab File: BG021784.D
 Acq: 20 Apr 2016 14:25

Tgt Ion	164	Resp	94951
Ion Ratio <td>100</td> <td>Lower</td> <td>Upper</td>	100	Lower	Upper
162	107.8	78.0	117.0
160	44.9	32.9	49.3

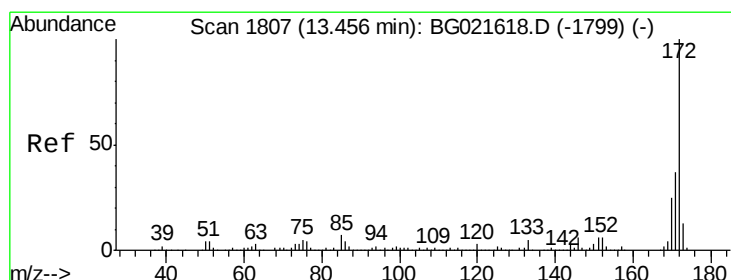
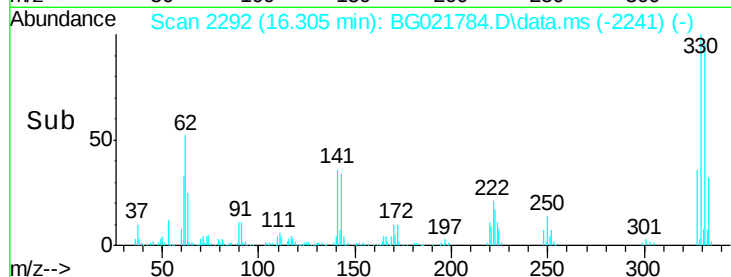
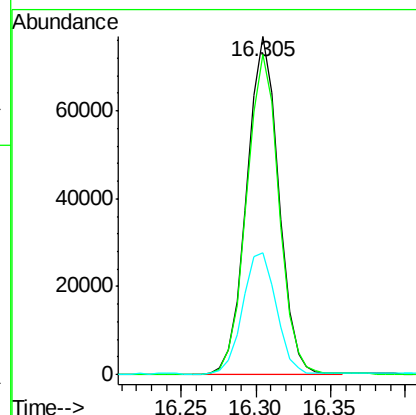
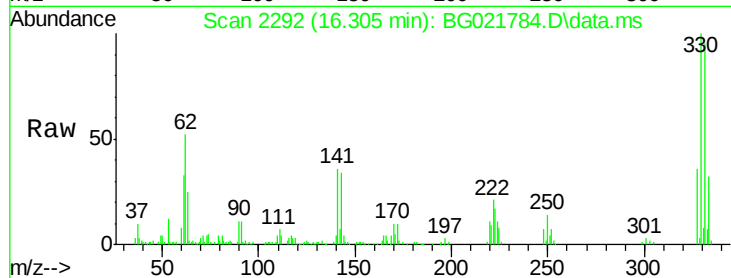




#41
 2,4,6-Tribromophenol
 Concen: 111.35 ng
 RT: 16.305 min Scan# 2292
 Delta R.T. -0.001 min
 Lab File: BG021784.D
 Acq: 20 Apr 2016 14:25

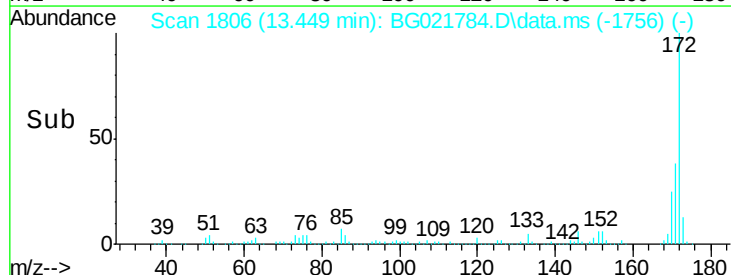
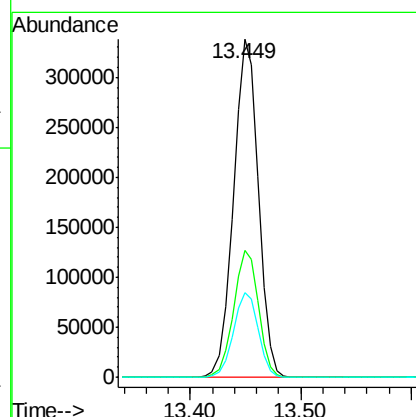
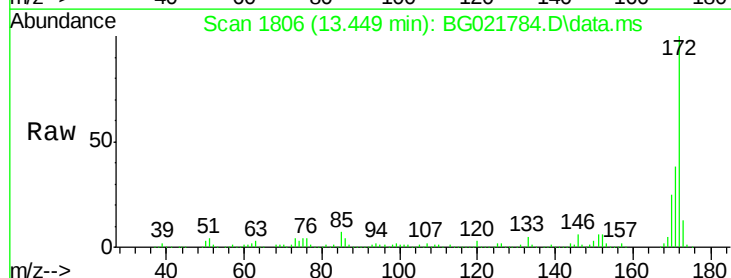
Instrument :
 BNA_G
 ClientSampleId :

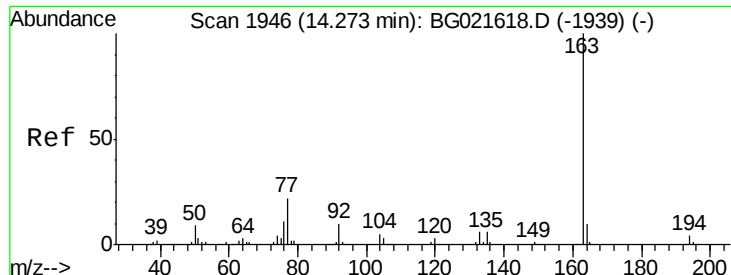
Tot Ion	Ratio	Lower	Upper
330	100		
332	96.2	78.0	117.0
141	38.4	33.8	50.8



#44
 2-Fluorobiphenyl
 Concen: 81.96 ng
 RT: 13.449 min Scan# 1806
 Delta R.T. -0.007 min
 Lab File: BG021784.D
 Acq: 20 Apr 2016 14:25

Tgt Ion	Ratio	Lower	Upper
172	100		
171	37.5	27.8	41.6
170	25.2	19.6	29.4





#49

Dimethylphthalate

Concen: 9.33 ng

RT: 14.266 min Scan# 19

Delta R.T. -0.007 min

Lab File: BG021784.D

Acq: 20 Apr 2016 14:25

Instrument :

BNA_G

ClientSampleId :

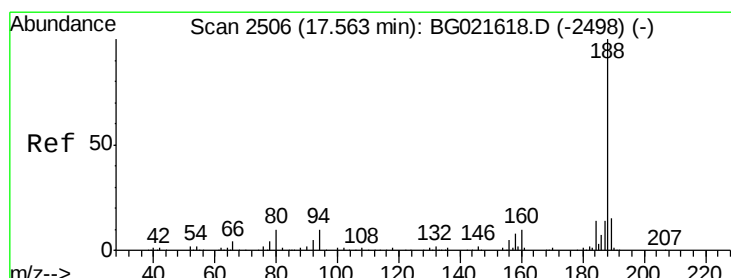
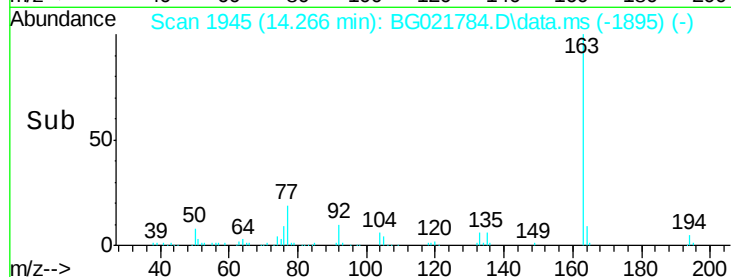
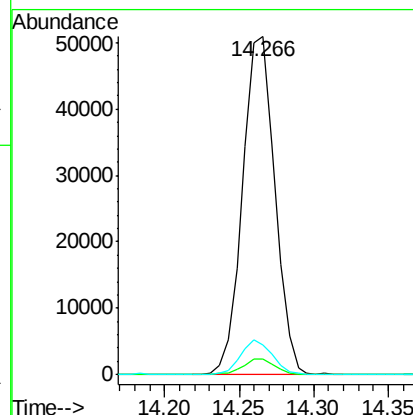
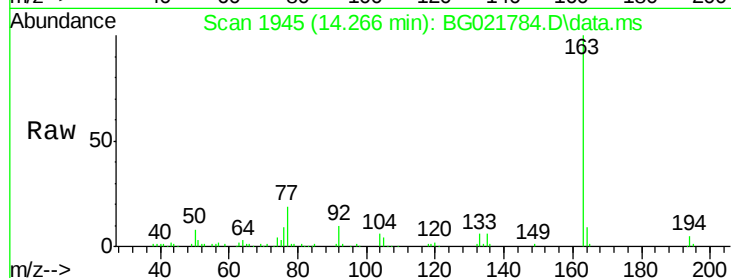
Tot Ion:163 Resp: 76578

Ion Ratio Lower Upper

163 100

194 4.6 3.0 4.6#

164 8.9 8.1 12.1



#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 17.562 min Scan# 2506

Delta R.T. -0.001 min

Lab File: BG021784.D

Acq: 20 Apr 2016 14:25

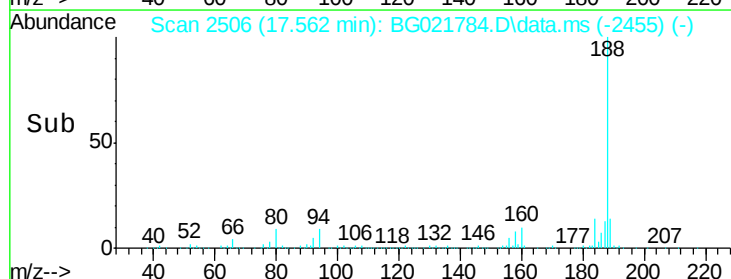
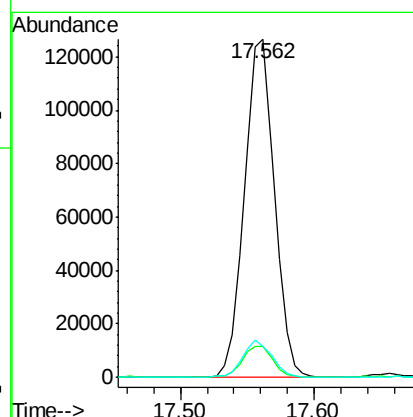
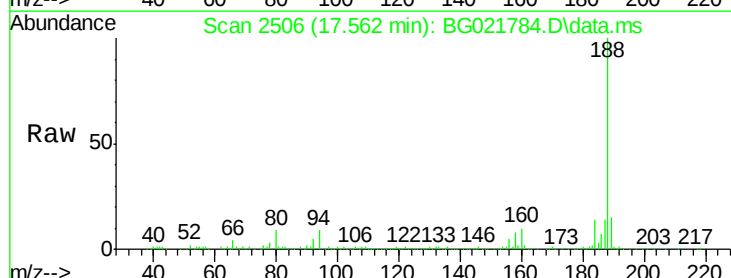
Tgt Ion:188 Resp: 195460

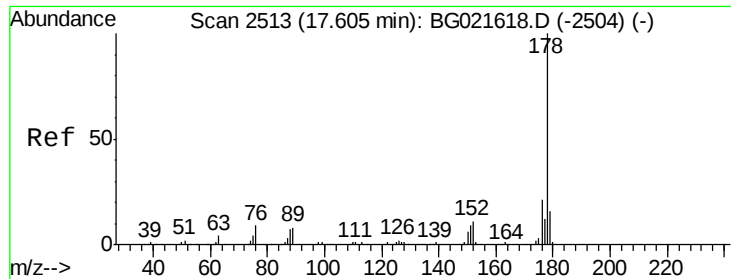
Ion Ratio Lower Upper

188 100

94 9.0 7.5 11.3

80 9.0 8.6 13.0





#70

Phenanthrene

Concen: 3.63 ng

RT: 17.603 min Scan# 2513

Delta R.T. -0.001 min

Lab File: BG021784.D

Acq: 20 Apr 2016 14:25

Instrument :

BNA_G

ClientSampleId :

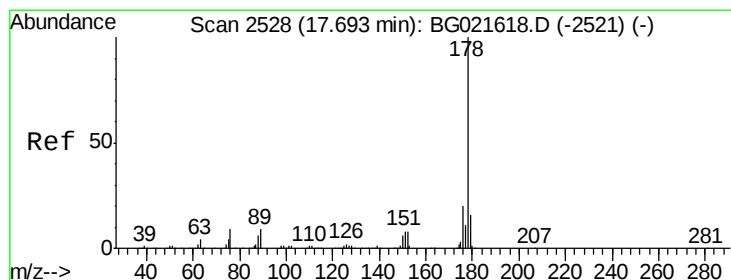
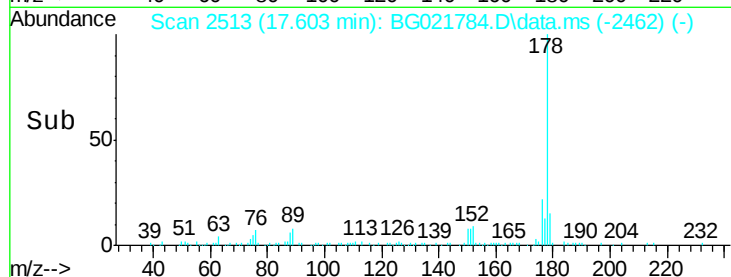
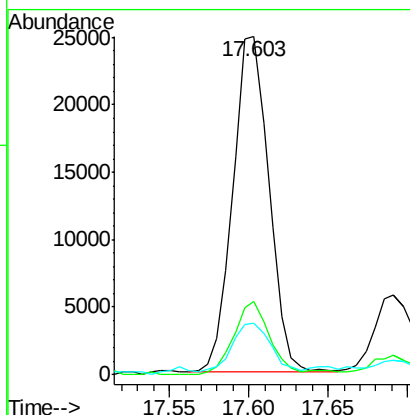
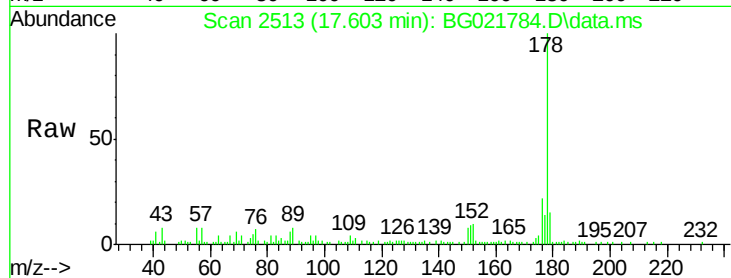
Tot Ion:178 Resp: 39126

Ion Ratio Lower Upper

178 100

176 21.5 16.2 24.4

179 15.2 12.0 18.0



#71

Anthracene

Concen: 3.58 ng

RT: 17.603 min Scan# 2513

Delta R.T. -0.089 min

Lab File: BG021784.D

Acq: 20 Apr 2016 14:25

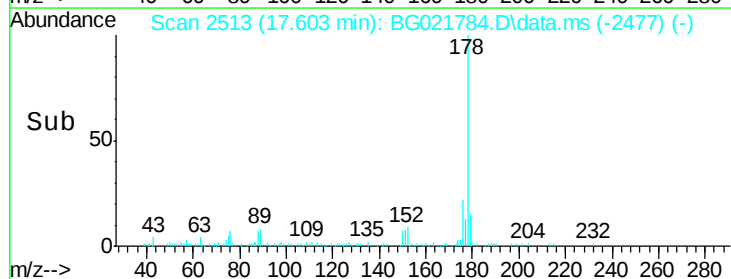
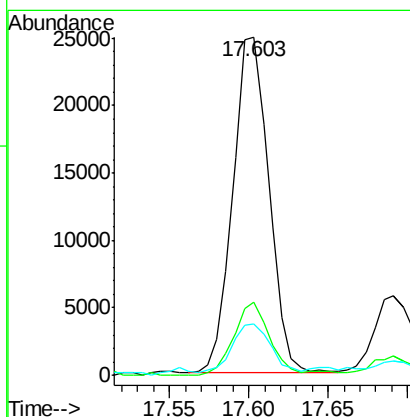
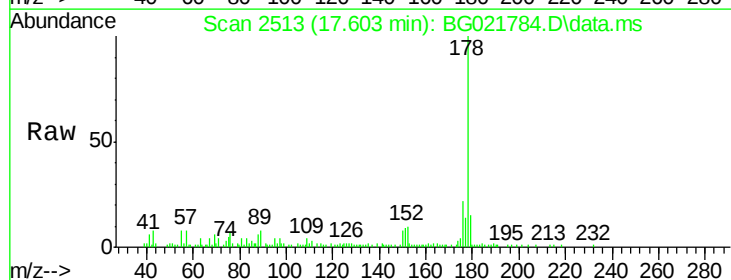
Tgt Ion:178 Resp: 39126

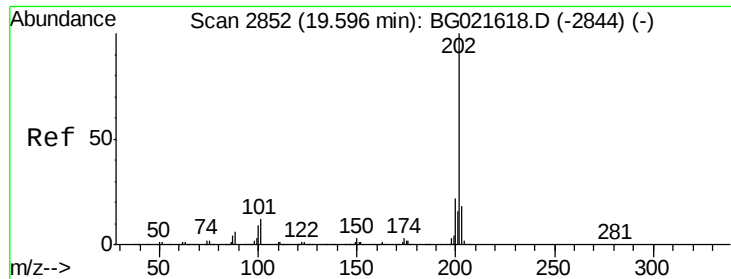
Ion Ratio Lower Upper

178 100

176 21.5 15.0 22.4

179 15.2 12.2 18.4





#74

Fluoranthene

Concen: 3.98 ng

RT: 19.595 min Scan# 28

Delta R.T. -0.001 min

Lab File: BG021784.D

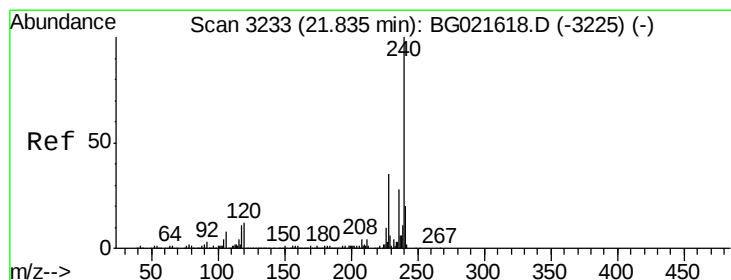
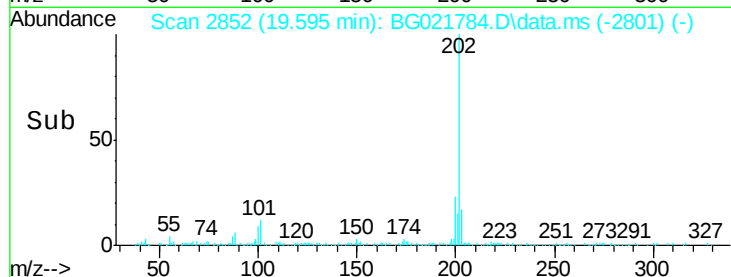
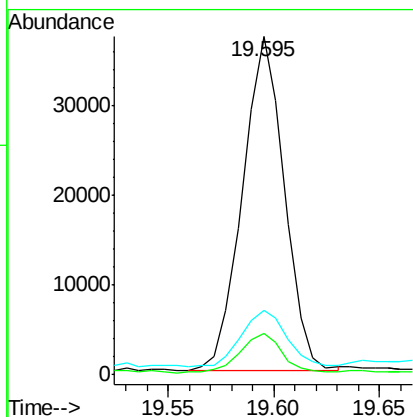
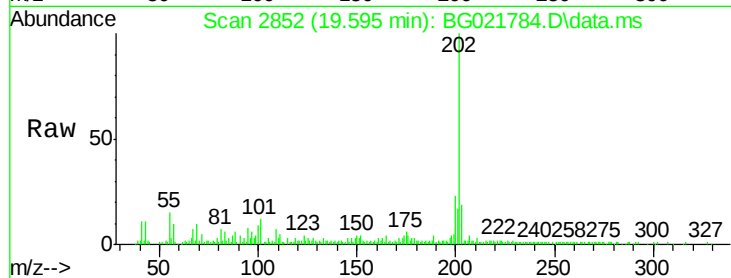
Acq: 20 Apr 2016 14:25

Instrument :

BNA_G

ClientSampleId :

Tot Ion:	202	Resp:	51254
Ion	Ratio	Lower	Upper
202	100		
101	12.2	0.0	31.0
203	19.0	0.0	37.9



#75

Chrysene-d12

Concen: 20.00 ng

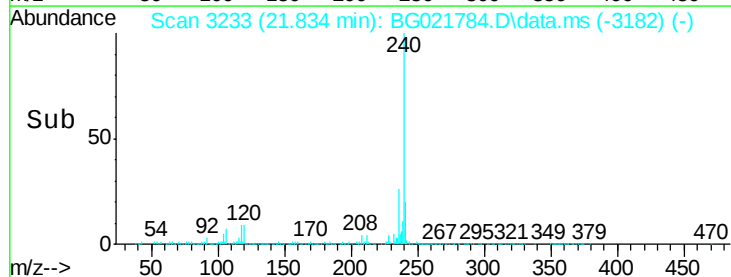
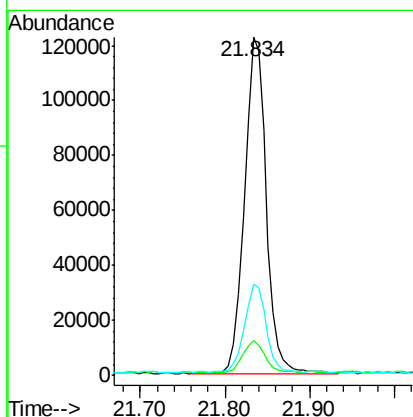
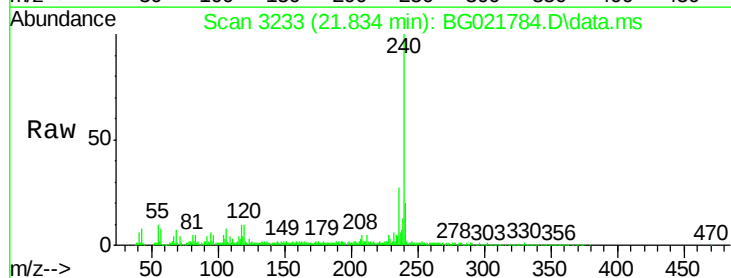
RT: 21.834 min Scan# 3233

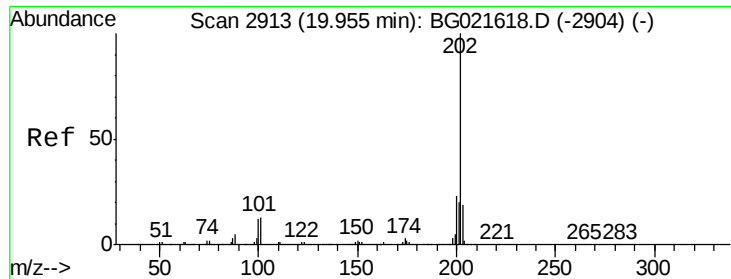
Delta R.T. -0.001 min

Lab File: BG021784.D

Acq: 20 Apr 2016 14:25

Tgt Ion:	240	Resp:	217454
Ion	Ratio	Lower	Upper
240	100		
120	10.2	8.4	12.6
236	27.0	19.6	29.4

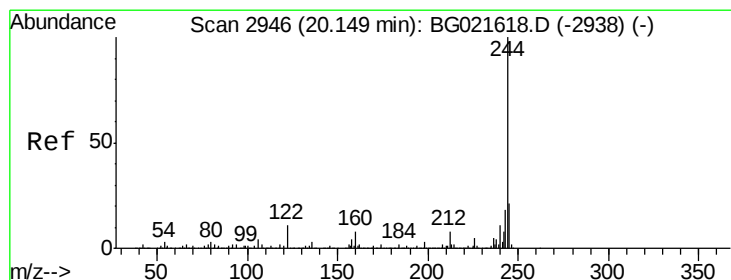
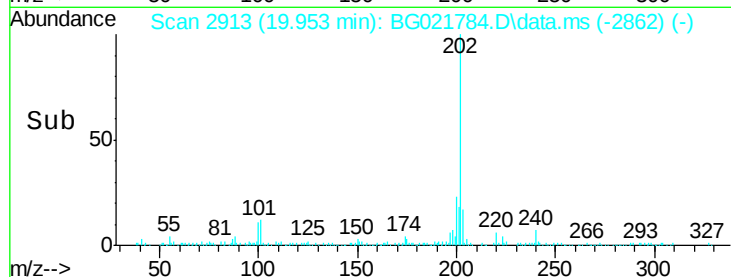
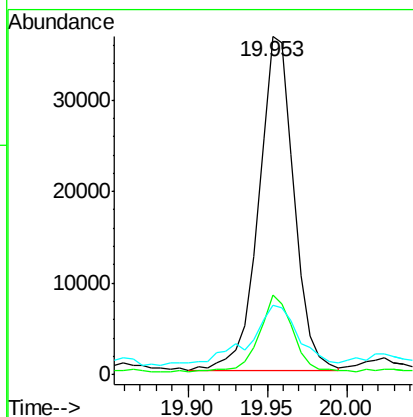
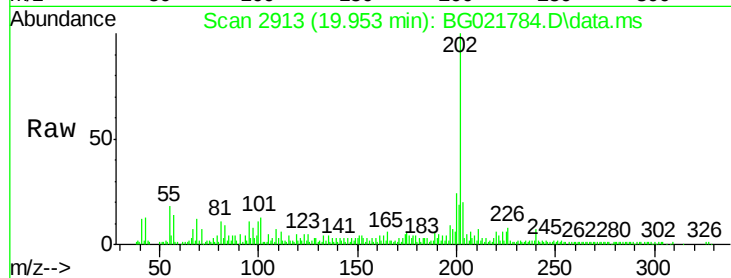




#77
Pvrene
Concen: 4.47 ng
RT: 19.953 min Scan# 2913
Delta R.T. -0.001 min
Lab File: BG021784.D
Acq: 20 Apr 2016 14:25

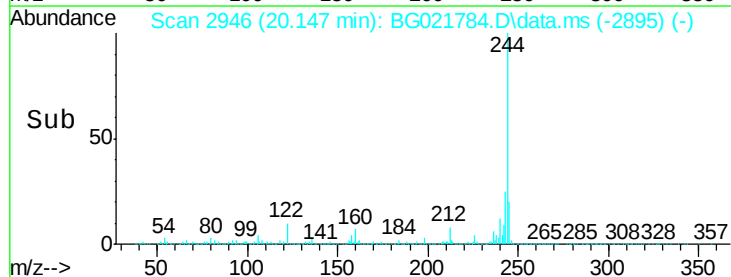
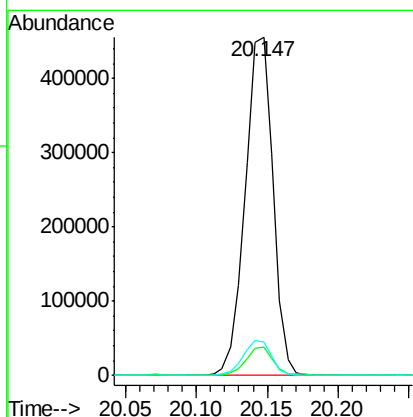
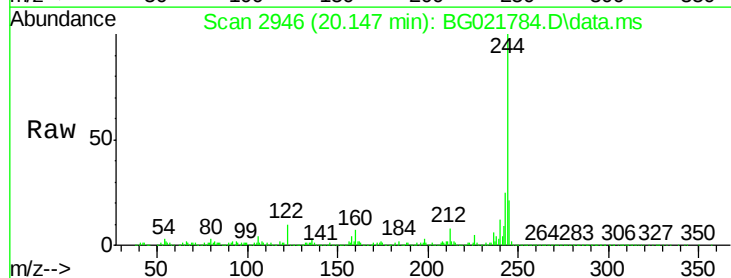
Instrument :
BNA_G
ClientSampleId :

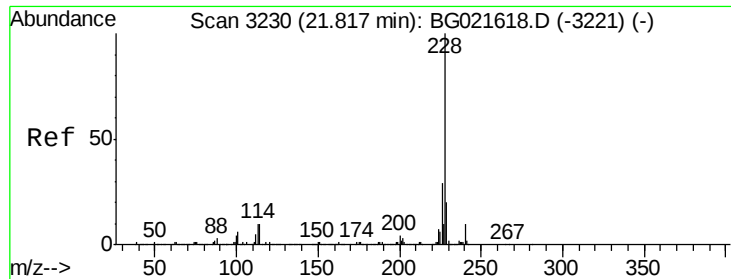
Tot Ion	Ratio	Lower	Upper
202	100		
200	23.7	18.2	27.2
203	20.4	15.0	22.4



#78
Terphenyl-d14
Concen: 72.05 ng
RT: 20.147 min Scan# 2946
Delta R.T. -0.001 min
Lab File: BG021784.D
Acq: 20 Apr 2016 14:25

Tgt Ion	Ratio	Lower	Upper
244	100		
212	8.3	6.5	9.7
122	9.8	8.6	12.8





#80

Benzo(a)anthracene

Concen: 2.10 ng

RT: 21.816 min Scan# 3230

Delta R.T. -0.001 min

Lab File: BG021784.D

Acq: 20 Apr 2016 14:25

Instrument :

BNA_G

ClientSampleId :

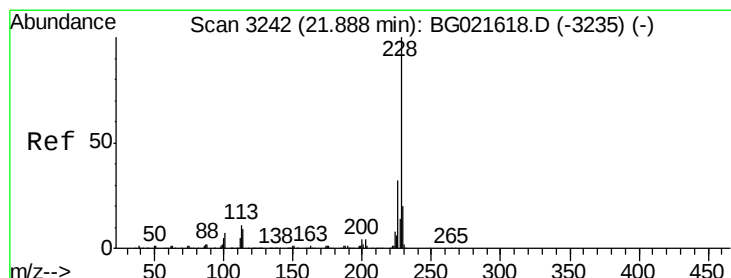
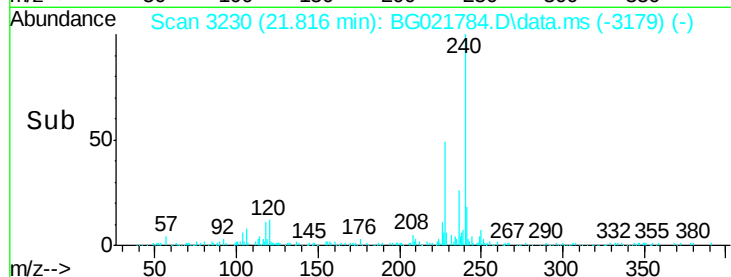
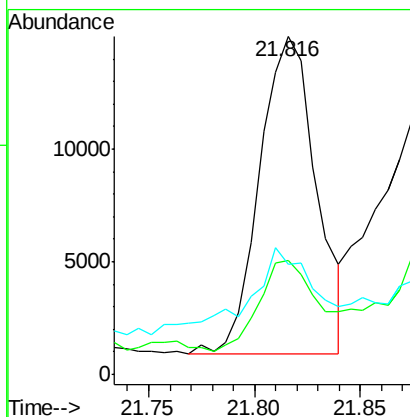
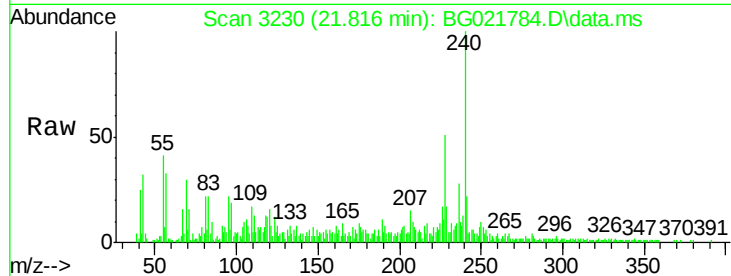
Tot Ion:228 Resp: 26330

Ion Ratio Lower Upper

228 100

226 33.8 22.6 34.0

229 32.5 16.1 24.1#



#82

Chrysene

Concen: 2.50 ng

RT: 21.886 min Scan# 3242

Delta R.T. -0.001 min

Lab File: BG021784.D

Acq: 20 Apr 2016 14:25

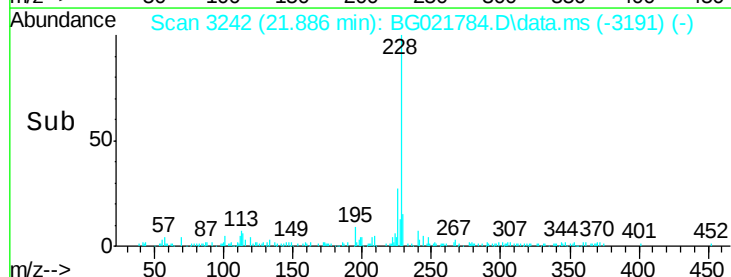
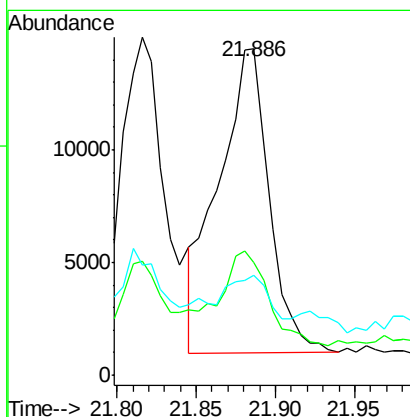
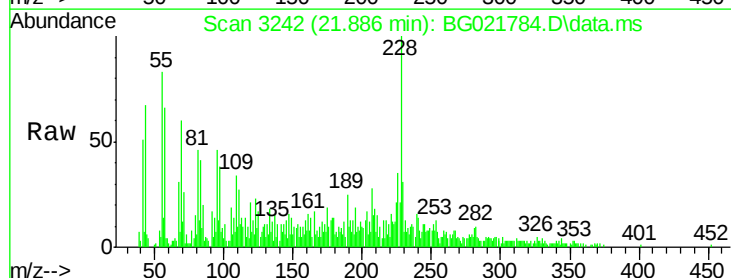
Tgt Ion:228 Resp: 30067

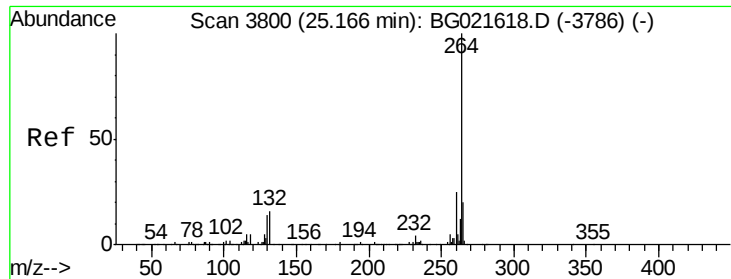
Ion Ratio Lower Upper

228 100

226 34.6 25.4 38.0

229 30.7 15.9 23.9#





#86

Pervlene-d12

Concen: 20.00 ng

RT: 25.188 min Scan# 38

Delta R.T. 0.022 min

Lab File: BG021784.D

Acq: 20 Apr 2016 14:25

Instrument :

BNA_G

ClientSampleId :

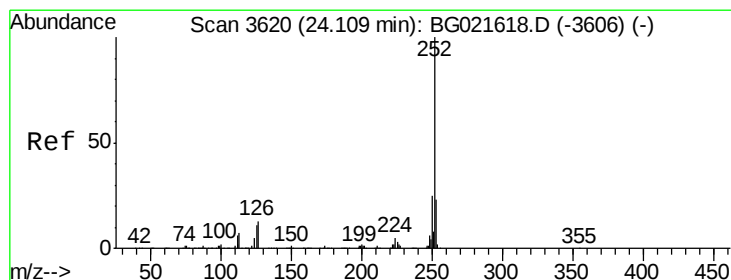
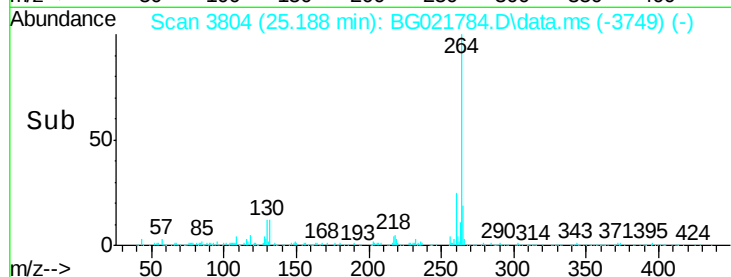
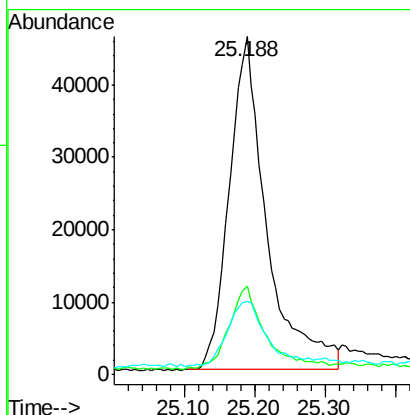
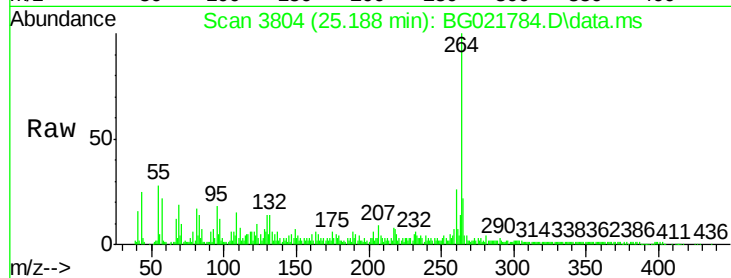
Tot Ion:264 Resp: 169876

Ion Ratio Lower Upper

264 100

260 26.1 20.2 30.4

265 21.7 17.8 26.8



#87

Benzo(b)fluoranthene

Concen: 4.30 ng

RT: 24.119 min Scan# 3622

Delta R.T. 0.010 min

Lab File: BG021784.D

Acq: 20 Apr 2016 14:25

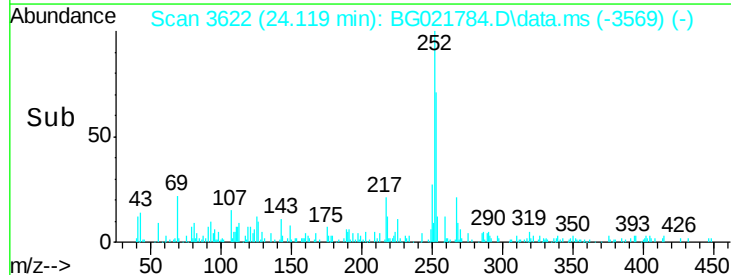
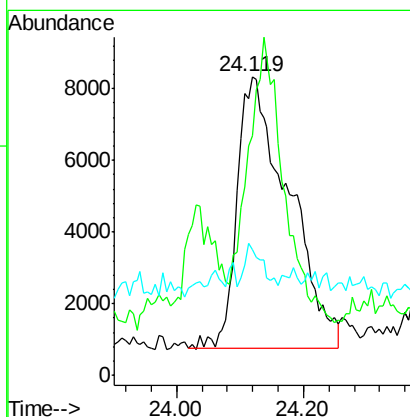
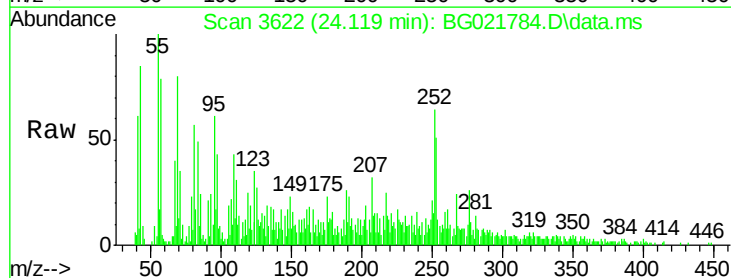
Tgt Ion:252 Resp: 42374

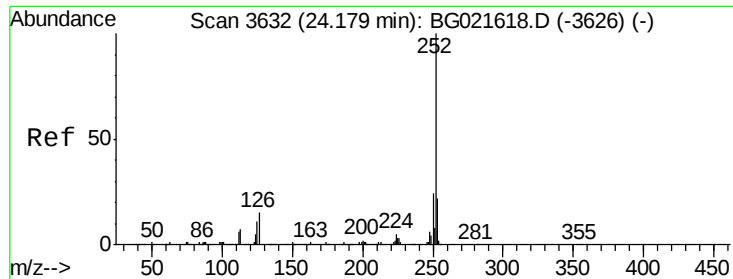
Ion Ratio Lower Upper

252 100

253 80.1 17.5 26.3#

125 42.2 8.6 13.0#





#88

Benzo(k)fluoranthene

Concen: 4.40 ng

RT: 24.119 min Scan# 36

Delta R.T. -0.060 min

Lab File: BG021784.D

Acq: 20 Apr 2016 14:25

Instrument :

BNA_G

ClientSampleId :

Tot Ion:252 Resp: 42374

Ion Ratio Lower Upper

252 100

253 80.1 17.8 26.8#

125 42.2 8.3 12.5#

