

Data Path : Z:\HPCHEM1\BNA G\Data\BG042116\RAW\
 Data File : BG021782.D
 Acq On : 20 Apr 2016 13:06
 Operator : UM/SJ
 Sample : H2589-09
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Apr 20 16:06:11 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)

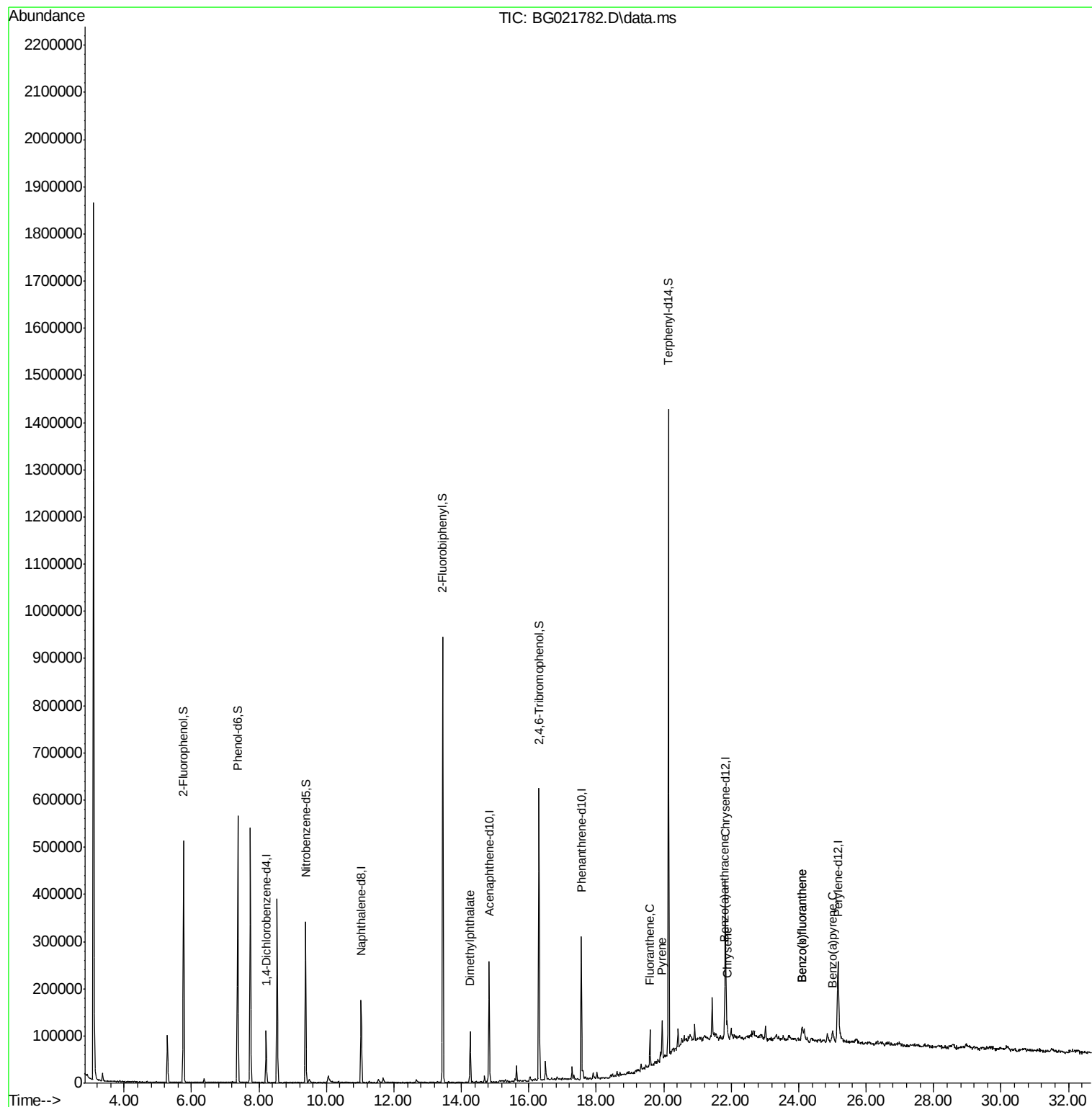
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.214	152	32380	20.00	ng	0.00
21) Naphthalene-d8	11.028	136	149619	20.00	ng	0.00
38) Acenaphthene-d10	14.824	164	89236	20.00	ng	0.00
63) Phenanthrene-d10	17.556	188	185815	20.00	ng	0.00
75) Chrysene-d12	21.833	240	207314	20.00	ng	0.00
86) Perylene-d12	25.165	264	201457	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.764	112	227414	116.96	ng	0.00
7) Phenol-d6	7.368	99	337826	116.31	ng	0.01
23) Nitrobenzene-d5	9.383	82	214050	73.53	ng	0.00
41) 2,4,6-Tribromophenol	16.305	330	120011	124.79	ng	0.00
44) 2-Fluorobiphenyl	13.449	172	485715	79.75	ng	0.00
78) Terphenyl-d14	20.141	244	601230	72.36	ng	0.00
Target Compounds						Qvalue
49) Dimethylphthalate	14.260	163	71177	9.23	ng	100
74) Fluoranthene	19.595	202	47706	3.90	ng	98
77) Pyrene	19.953	202	51556	4.31	ng	98
80) Benzo(a)anthracene	21.810	228	30931	2.59	ng	94
82) Chrysene	21.880	228	24936	2.18	ng	96
87) Benzo(b)fluoranthene	24.107	252	52038	4.45	ng	# 95
88) Benzo(k)fluoranthene	24.107	252	52038	4.55	ng	# 94
89) Benzo(a)pyrene	25.000	252	26422	2.33	ng	# 94

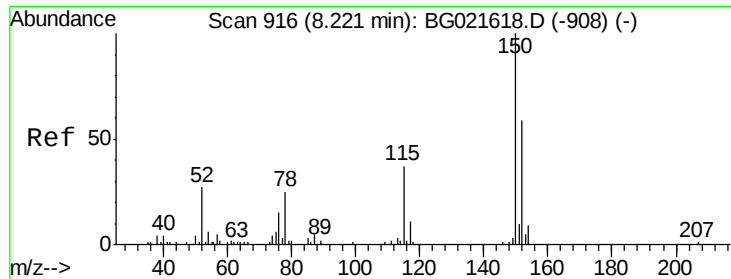
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: BG021782.D

Acq: 20 Apr 2016 13:06

Instrument :

BNA_G

ClientSampleId :

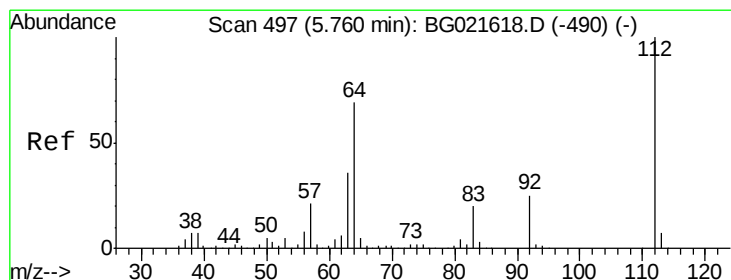
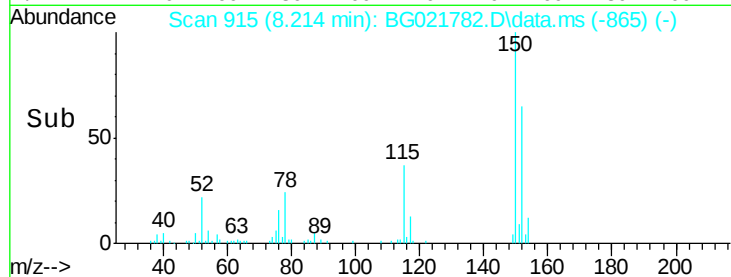
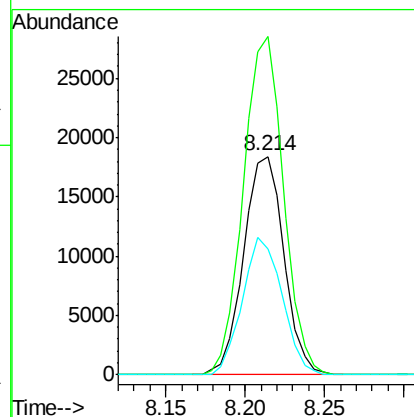
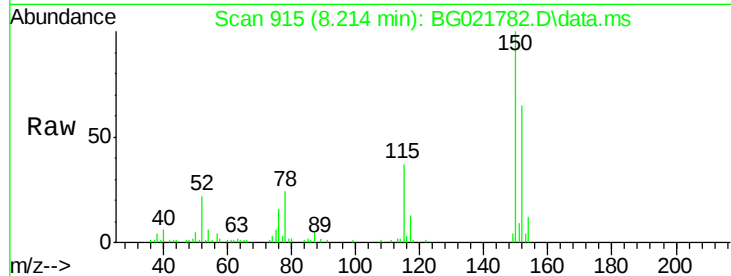
Tot Ion:152 Resp: 32380

Ion Ratio Lower Upper

152 100

150 154.8 130.1 195.1

115 57.6 62.2 93.2#



#5

2-Fluorophenol

Concen: 116.96 ng

RT: 5.764 min Scan# 498

Delta R.T. 0.005 min

Lab File: BG021782.D

Acq: 20 Apr 2016 13:06

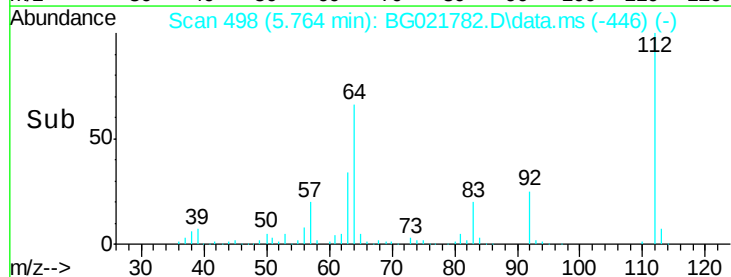
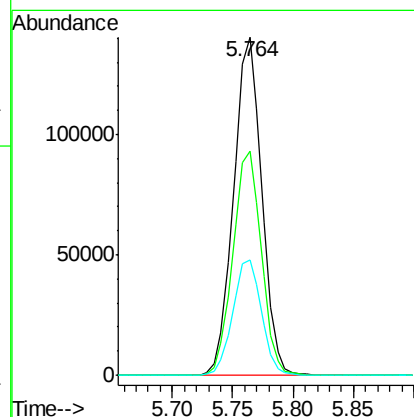
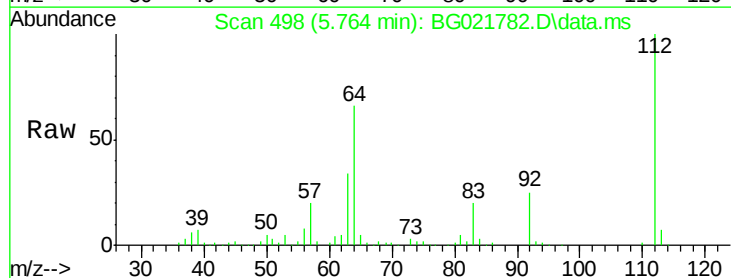
Tgt Ion:112 Resp: 227414

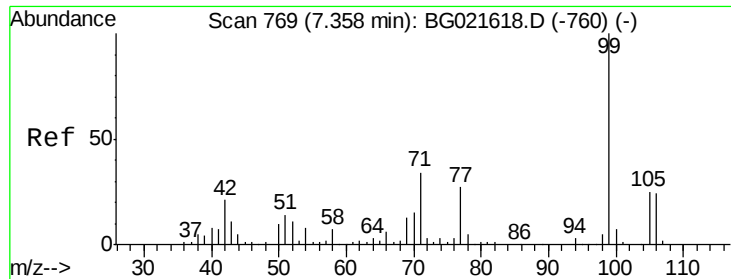
Ion Ratio Lower Upper

112 100

64 66.5 51.1 76.7

63 34.1 24.6 37.0





#7

Phenol-d6

Concen: 116.31 ng

RT: 7.368 min Scan# 77

Delta R.T. 0.010 min

Lab File: BG021782.D

Acq: 20 Apr 2016 13:06

Instrument :

BNA_G

ClientSampleId :

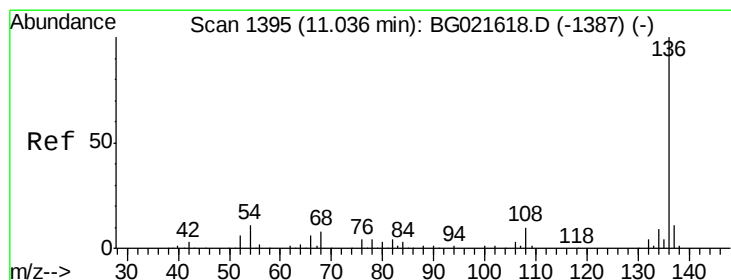
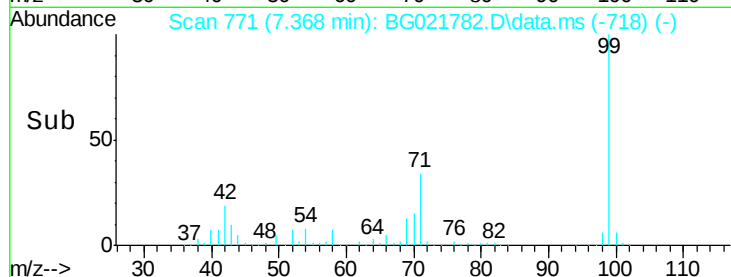
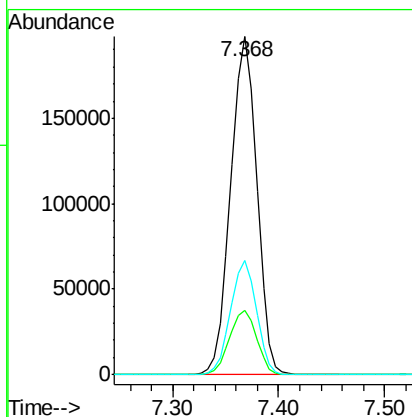
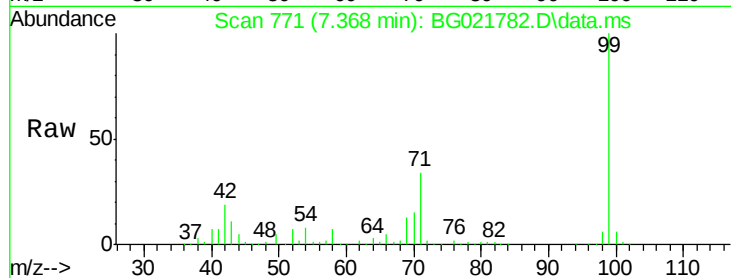
Tot Ion: 99 Resp: 337826

Ion Ratio Lower Upper

99 100

42 19.1 16.4 24.6

71 33.8 25.0 37.4



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 11.028 min Scan# 1394

Delta R.T. -0.007 min

Lab File: BG021782.D

Acq: 20 Apr 2016 13:06

Tgt Ion: 136 Resp: 149619

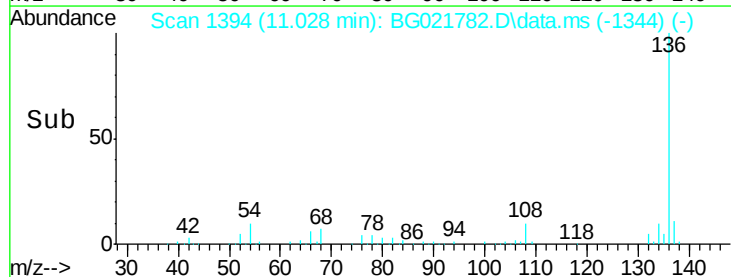
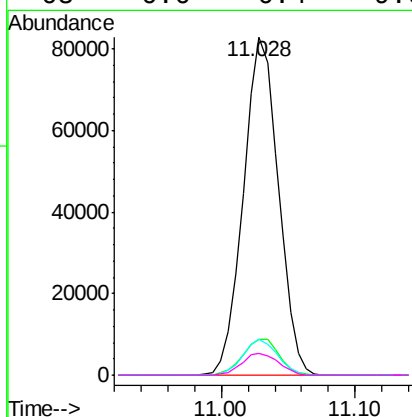
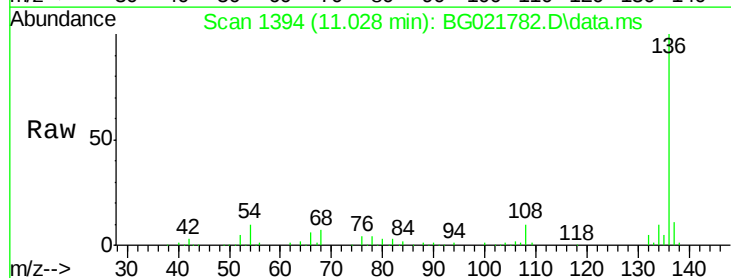
Ion Ratio Lower Upper

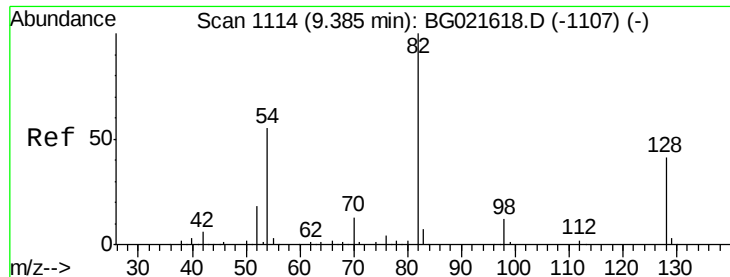
136 100

137 10.6 9.0 13.4

54 10.5 9.6 14.4

68 6.6 6.4 9.6

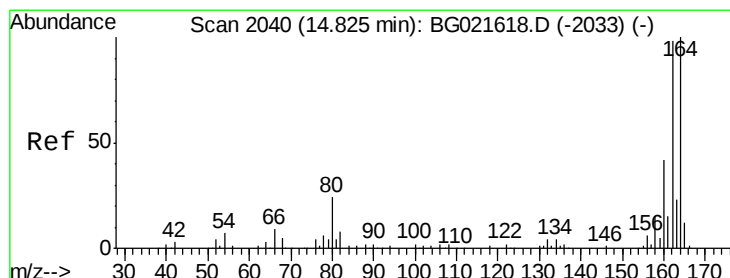
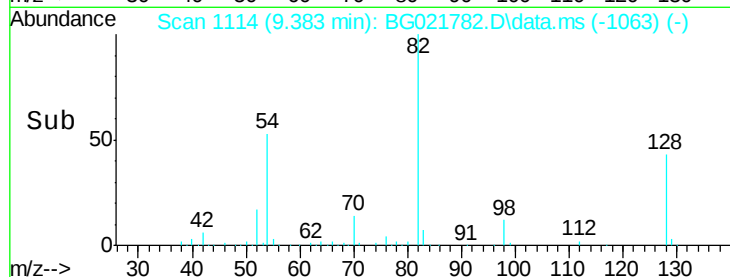
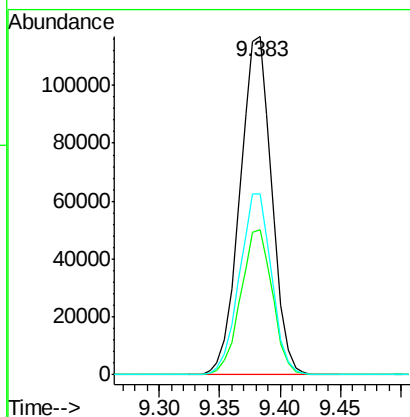
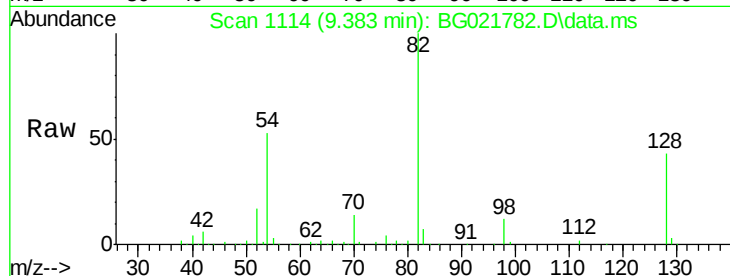




#23
 Nitrobenzene-d5
 Concen: 73.53 ng
 RT: 9.383 min Scan# 1114
 Delta R.T. -0.002 min
 Lab File: BG021782.D
 Acq: 20 Apr 2016 13:06

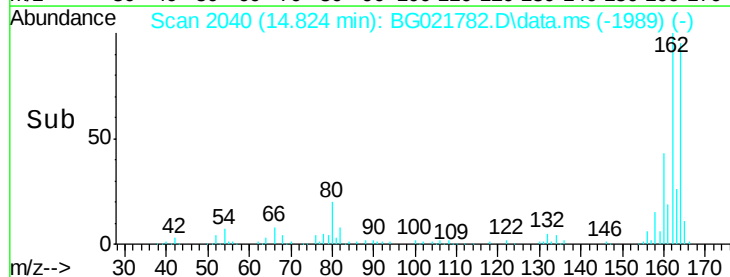
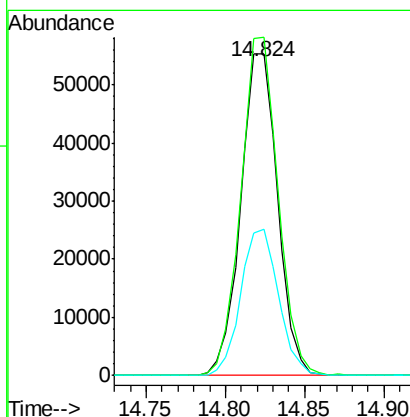
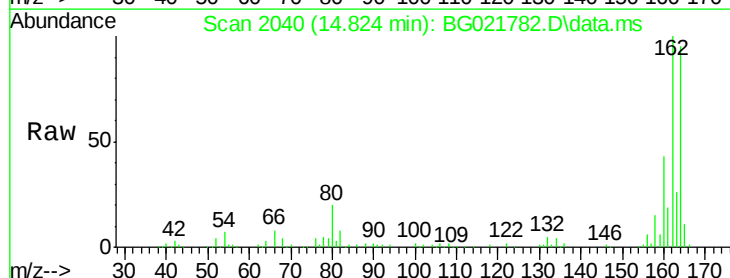
Instrument :
 BNA_G
 ClientSampleId :

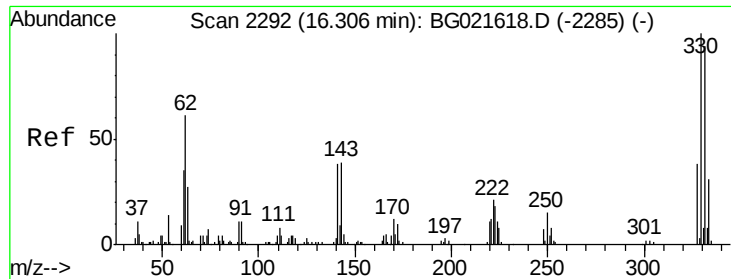
Tot Ion	82	Resp	214050
Ion Ratio	100	Lower	Upper
128	43.0	33.4	50.0
54	53.3	46.1	69.1



#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 14.824 min Scan# 2040
 Delta R.T. -0.002 min
 Lab File: BG021782.D
 Acq: 20 Apr 2016 13:06

Tgt Ion	164	Resp	89236
Ion Ratio	100	Lower	Upper
162	105.0	78.0	117.0
160	45.5	32.9	49.3

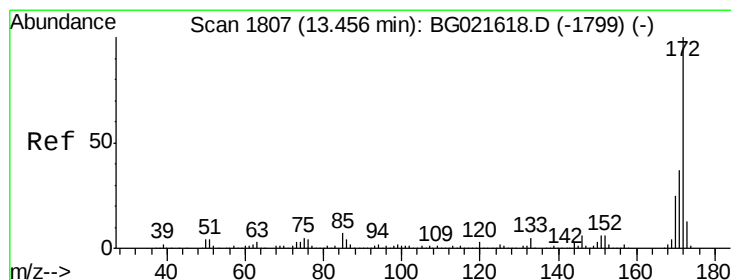
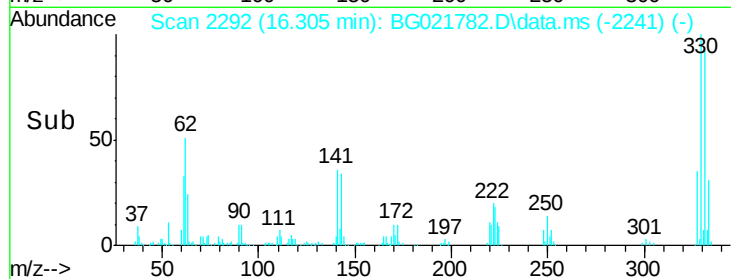
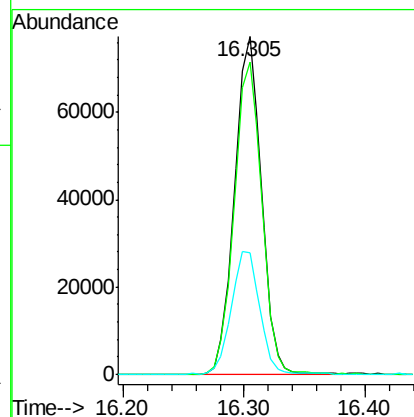
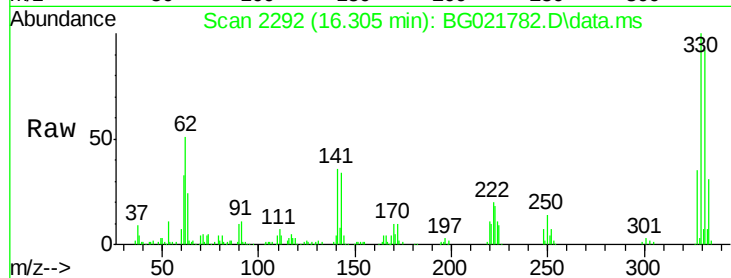




#41
 2,4,6-Tribromophenol
 Concen: 124.79 ng
 RT: 16.305 min Scan# 22
 Delta R.T. -0.002 min
 Lab File: BG021782.D
 Acq: 20 Apr 2016 13:06

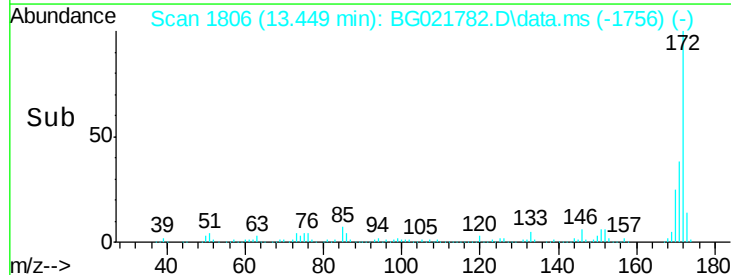
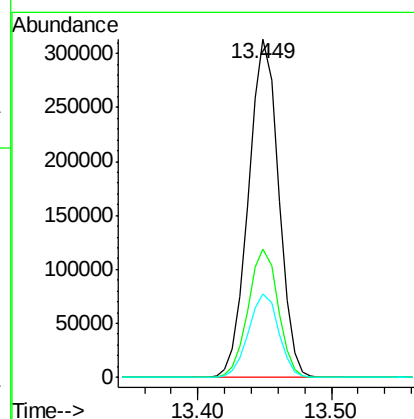
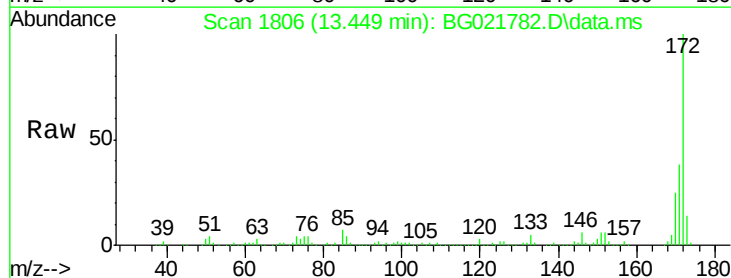
Instrument :
 BNA_G
 ClientSampleId :

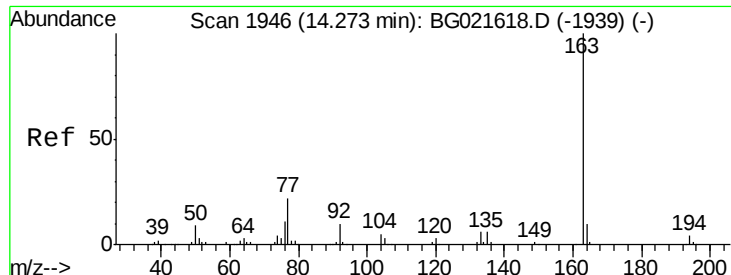
Tot Ion	Ratio	Lower	Upper
330	100		
332	94.8	78.0	117.0
141	38.5	33.8	50.8



#44
 2-Fluorobiphenyl
 Concen: 79.75 ng
 RT: 13.449 min Scan# 1806
 Delta R.T. -0.007 min
 Lab File: BG021782.D
 Acq: 20 Apr 2016 13:06

Tgt Ion	Ratio	Lower	Upper
172	100		
171	38.1	27.8	41.6
170	24.7	19.6	29.4





#49

Dimethylphthalate

Concen: 9.23 ng

RT: 14.260 min Scan# 19

Delta R.T. -0.013 min

Lab File: BG021782.D

Acq: 20 Apr 2016 13:06

Instrument :

BNA_G

ClientSampleId :

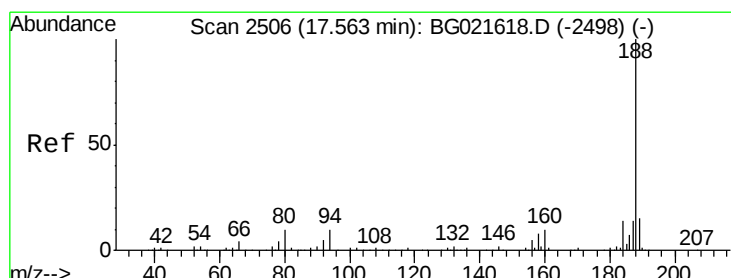
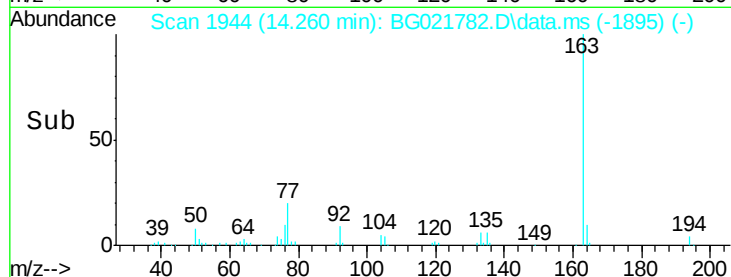
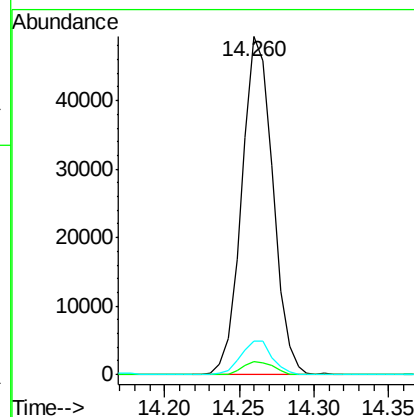
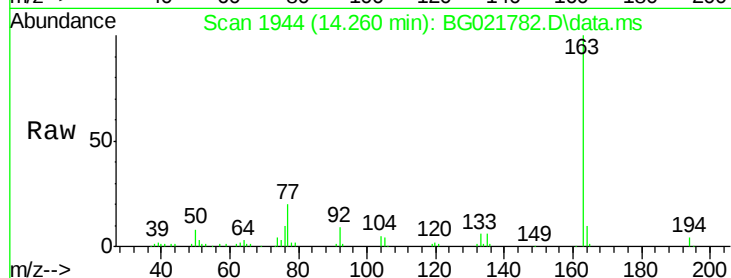
Tot Ion:163 Resp: 71177

Ion Ratio Lower Upper

163 100

194 3.8 3.0 4.6

164 10.0 8.1 12.1



#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 17.556 min Scan# 2505

Delta R.T. -0.007 min

Lab File: BG021782.D

Acq: 20 Apr 2016 13:06

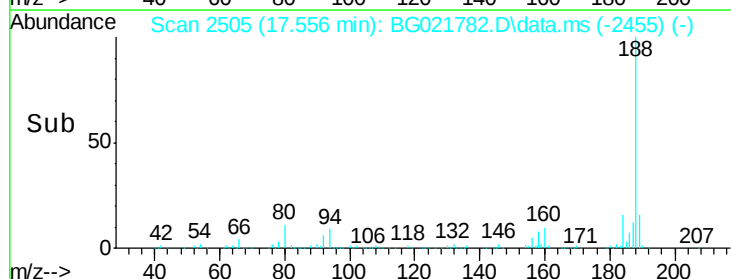
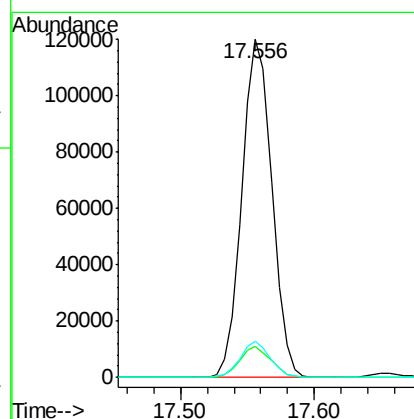
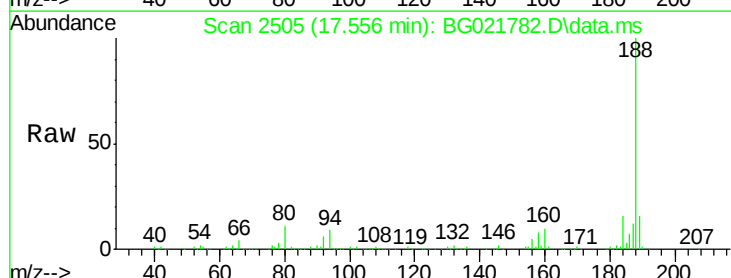
Tgt Ion:188 Resp: 185815

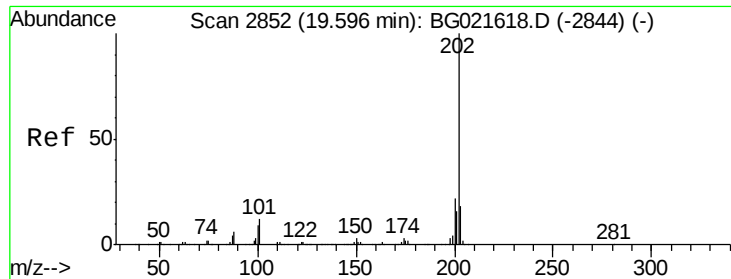
Ion Ratio Lower Upper

188 100

94 9.3 7.5 11.3

80 10.7 8.6 13.0





#74

Fluoranthene

Concen: 3.90 ng

RT: 19.595 min Scan# 28

Delta R.T. -0.002 min

Lab File: BG021782.D

Acq: 20 Apr 2016 13:06

Instrument :

BNA_G

ClientSampleId :

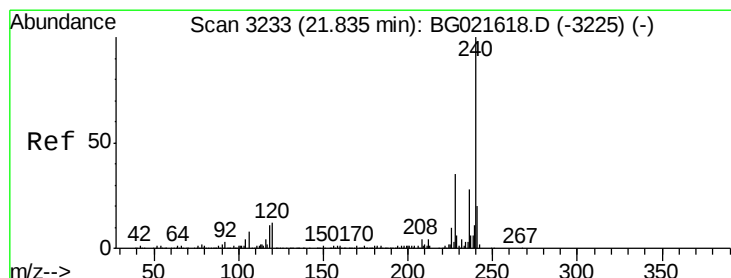
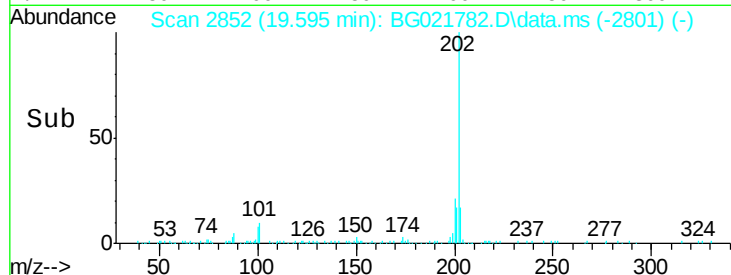
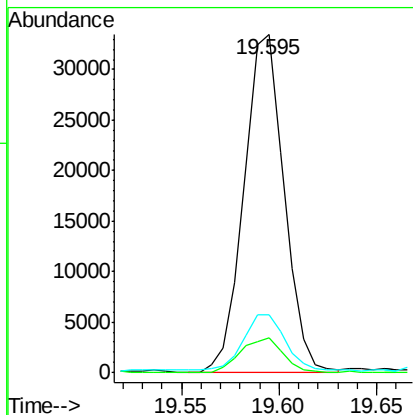
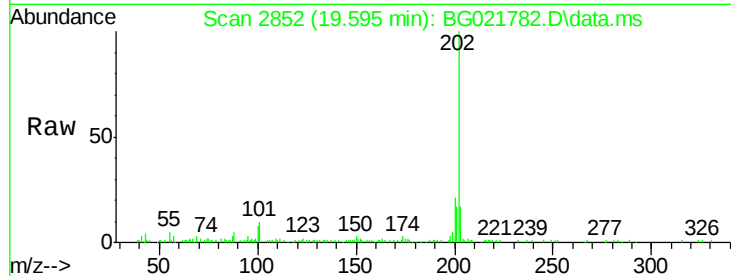
Tot Ion:202 Resp: 47706

Ion Ratio Lower Upper

202 100

101 10.4 0.0 31.0

203 16.9 0.0 37.9



#75

Chrysene-d12

Concen: 20.00 ng

RT: 21.833 min Scan# 3233

Delta R.T. -0.002 min

Lab File: BG021782.D

Acq: 20 Apr 2016 13:06

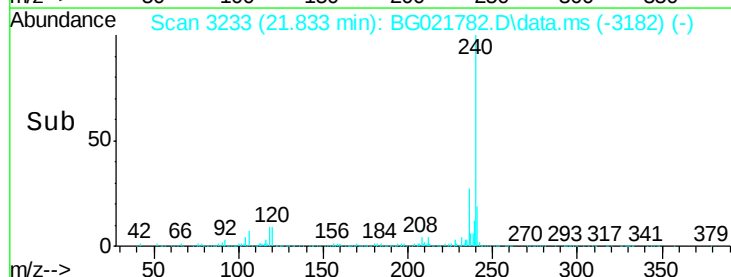
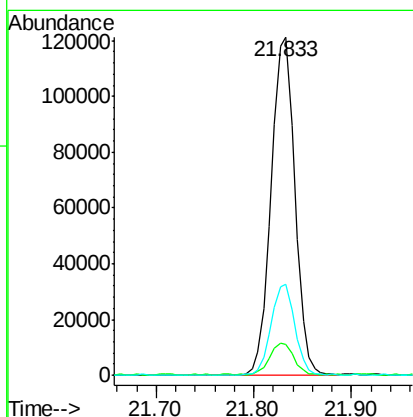
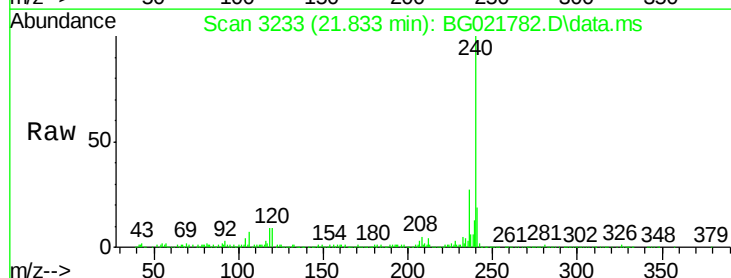
Tgt Ion:240 Resp: 207314

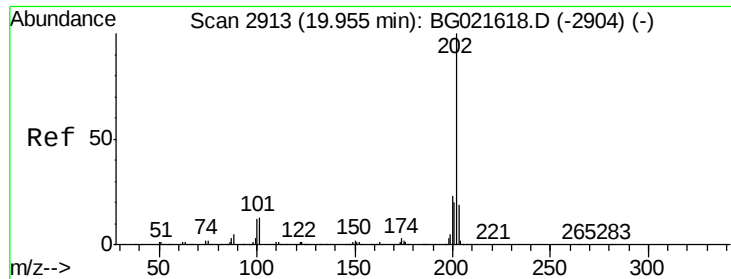
Ion Ratio Lower Upper

240 100

120 9.0 8.4 12.6

236 26.8 19.6 29.4





#77

Pvrene

Concen: 4.31 ng

RT: 19.953 min Scan# 2913

Delta R.T. -0.002 min

Lab File: BG021782.D

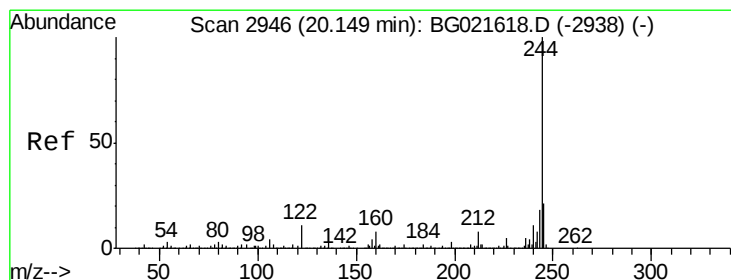
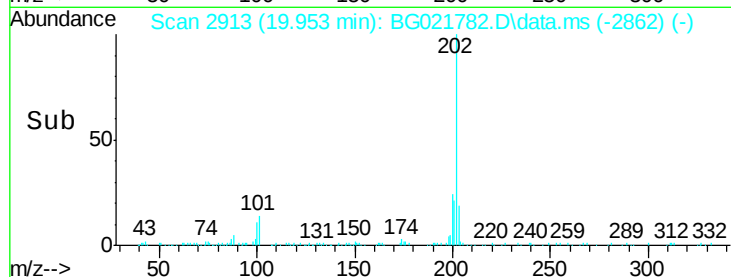
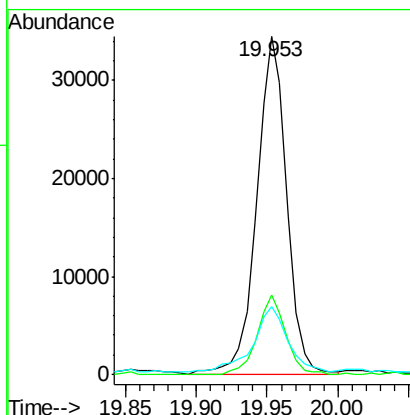
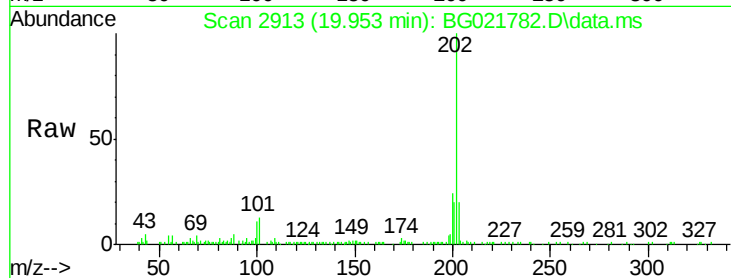
Acq: 20 Apr 2016 13:06

Instrument :

BNA_G

ClientSampleId :

Tot Ion:	202	Resp:	51556
Ion Ratio	Lower	Upper	
202	100		
200	23.7	18.2	27.2
203	20.0	15.0	22.4



#78

Terphenyl-d14

Concen: 72.36 ng

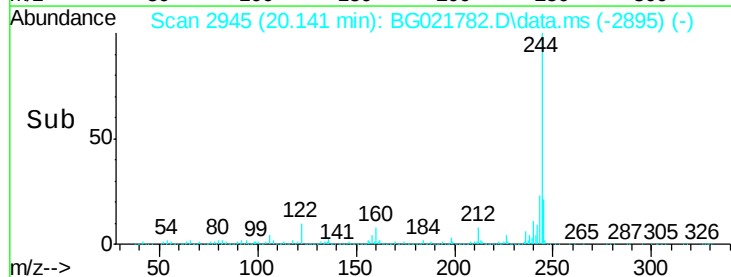
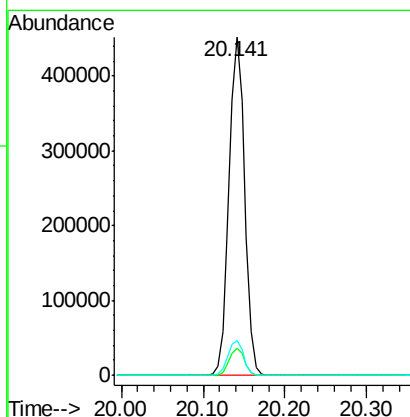
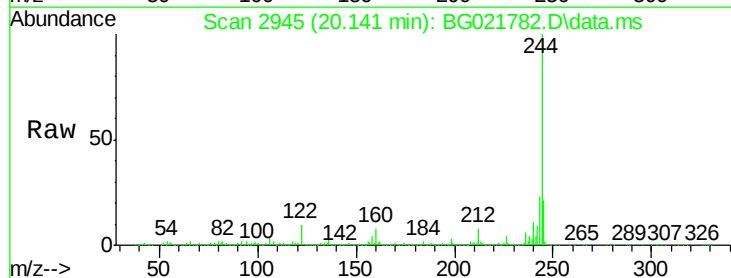
RT: 20.141 min Scan# 2945

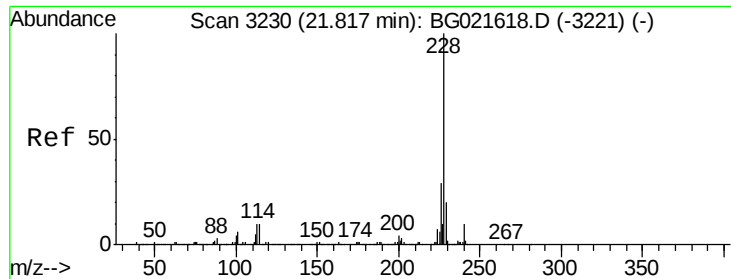
Delta R.T. -0.007 min

Lab File: BG021782.D

Acq: 20 Apr 2016 13:06

Tgt Ion:	244	Resp:	601230
Ion Ratio	Lower	Upper	
244	100		
212	7.9	6.5	9.7
122	10.1	8.6	12.8





#80

Benzo(a)anthracene

Concen: 2.59 ng

RT: 21.810 min Scan# 32

Delta R.T. -0.007 min

Lab File: BG021782.D

Acq: 20 Apr 2016 13:06

Instrument :

BNA_G

ClientSampleId :

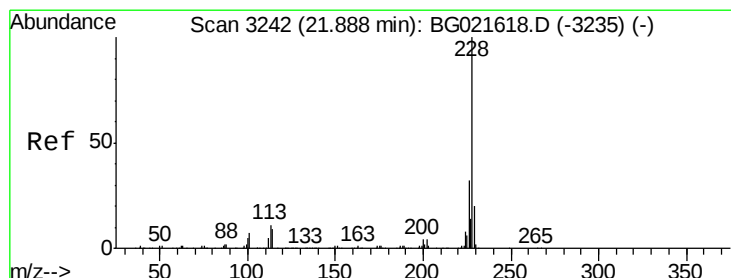
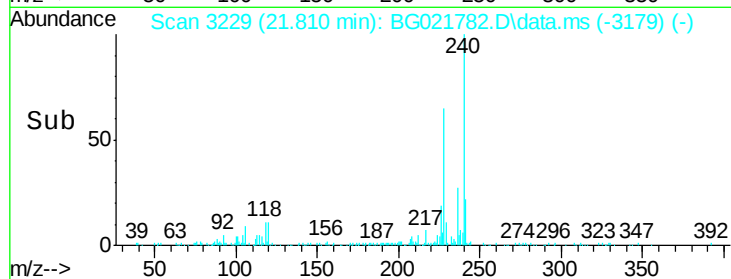
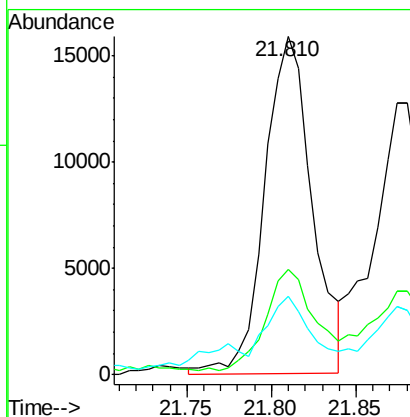
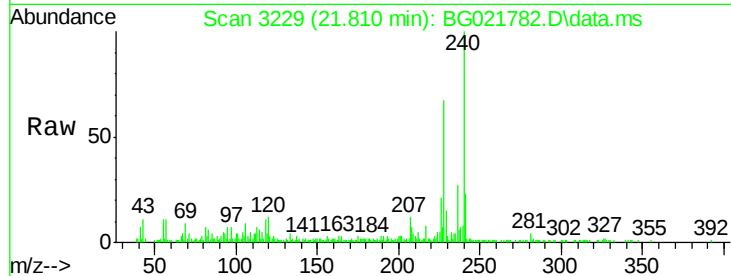
Tot Ion:228 Resp: 30931

Ion Ratio Lower Upper

228 100

226 30.9 22.6 34.0

229 23.1 16.1 24.1



#82

Chrysene

Concen: 2.18 ng

RT: 21.880 min Scan# 3241

Delta R.T. -0.007 min

Lab File: BG021782.D

Acq: 20 Apr 2016 13:06

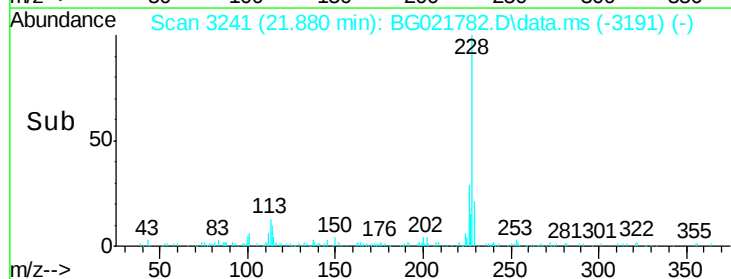
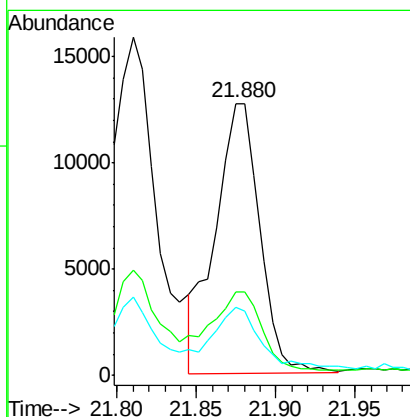
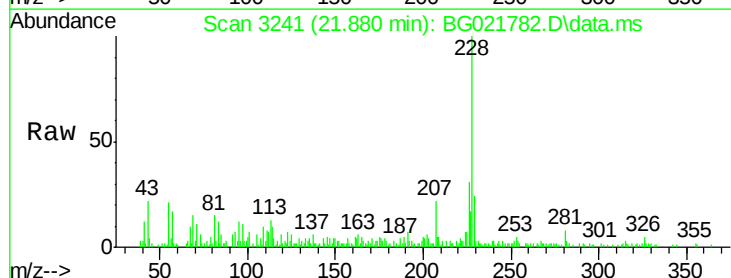
Tgt Ion:228 Resp: 24936

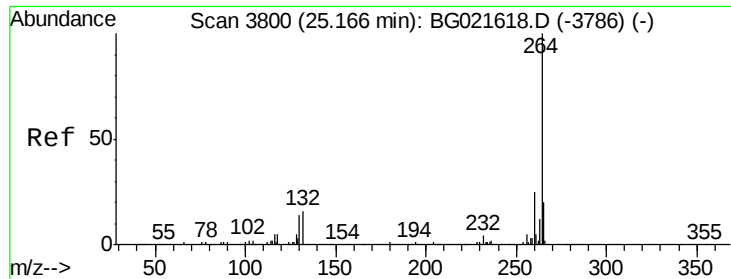
Ion Ratio Lower Upper

228 100

226 30.6 25.4 38.0

229 23.7 15.9 23.9

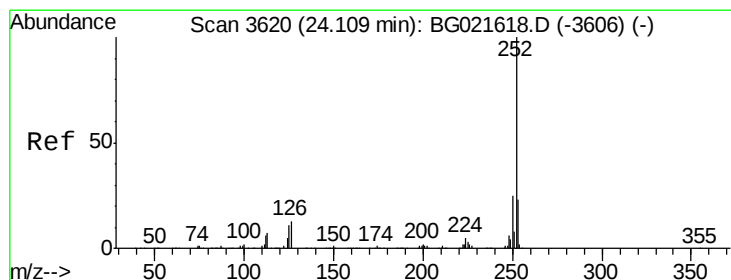
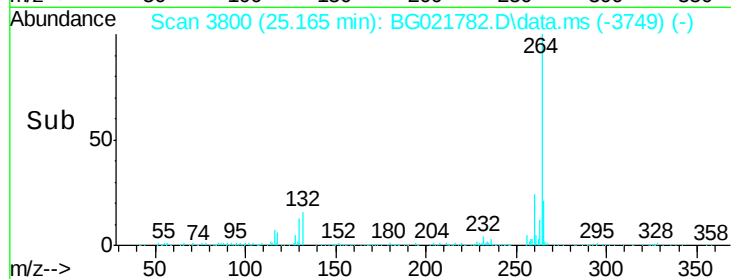
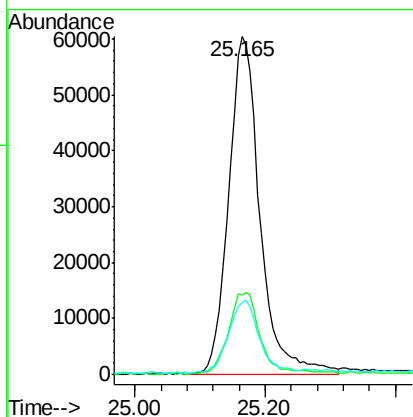
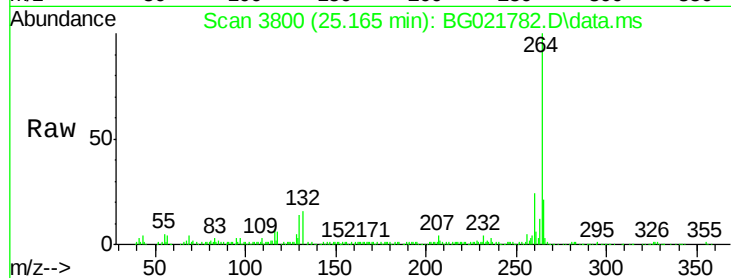




#86
Pervlene-d12
Concen: 20.00 ng
RT: 25.165 min Scan# 3800
Delta R.T. -0.002 min
Lab File: BG021782.D
Acq: 20 Apr 2016 13:06

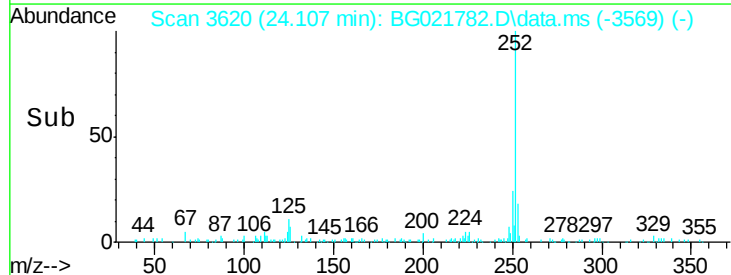
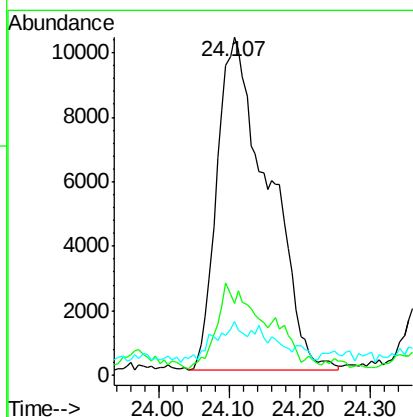
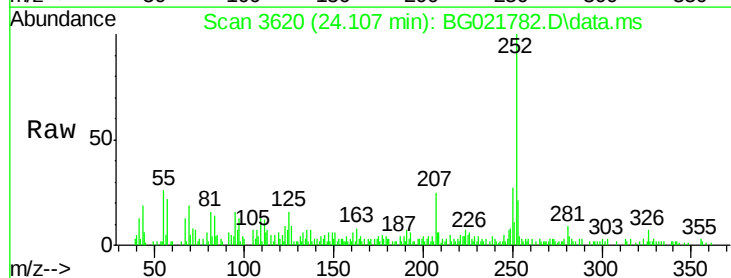
Instrument :
BNA_G
ClientSampleId :

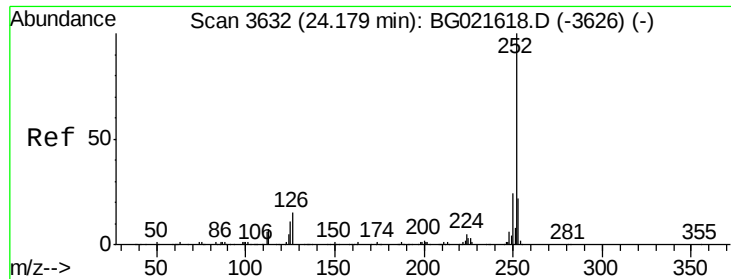
Tot Ion	Ratio	Lower	Upper
264	100		
260	23.6	20.2	30.4
265	21.4	17.8	26.8



#87
Benzo(b)fluoranthene
Concen: 4.45 ng
RT: 24.107 min Scan# 3620
Delta R.T. -0.002 min
Lab File: BG021782.D
Acq: 20 Apr 2016 13:06

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.4	17.5	26.3
125	15.9	8.6	13.0#





#88

Benzo(k)fluoranthene

Concen: 4.55 ng

RT: 24.107 min Scan# 36

Delta R.T. -0.072 min

Lab File: BG021782.D

Acq: 20 Apr 2016 13:06

Instrument :

BNA_G

ClientSampleId :

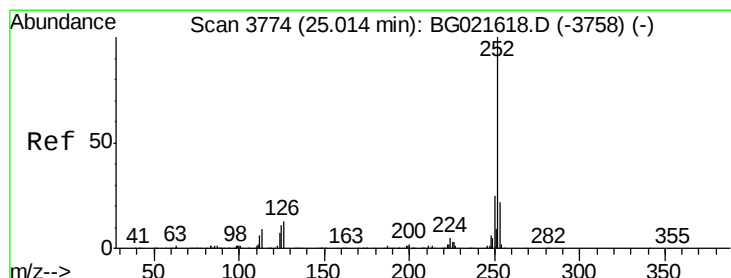
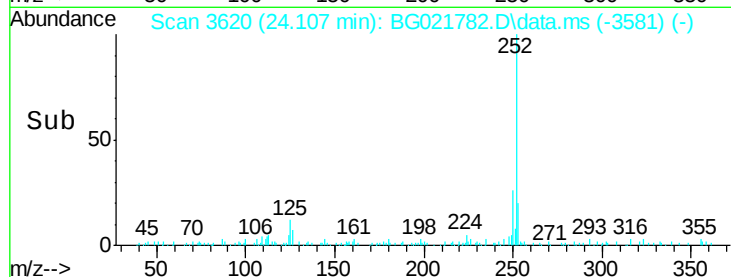
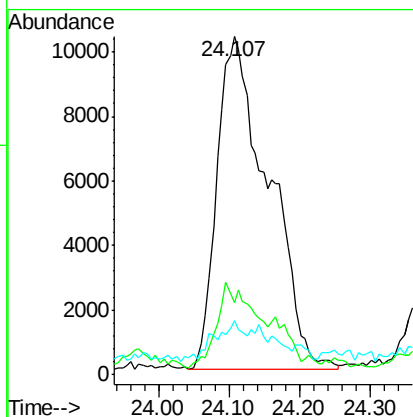
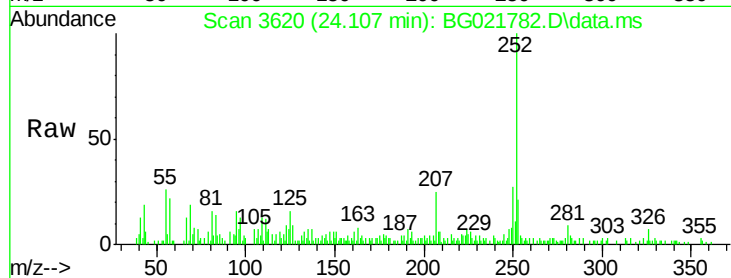
Tot Ion:252 Resp: 52038

Ion Ratio Lower Upper

252 100

253 21.4 17.8 26.8

125 15.9 8.3 12.5#



#89

Benzo(a)pyrene

Concen: 2.33 ng

RT: 25.000 min Scan# 3772

Delta R.T. -0.013 min

Lab File: BG021782.D

Acq: 20 Apr 2016 13:06

Tgt Ion:252 Resp: 26422

Ion Ratio Lower Upper

252 100

253 25.8 17.1 25.7#

125 12.2 9.6 14.4

