

Data Path : Z:\HPCHEM1\BNA G\DATA\BG022416\
 Data File : BG021070.D
 Acq On : 25 Feb 2016 3:10
 Operator : UM/SJ
 Sample : H1557-01 10X
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Feb 25 05:47:25 2016
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG022316.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Feb 24 00:35:06 2016
 Response via : Initial Calibration

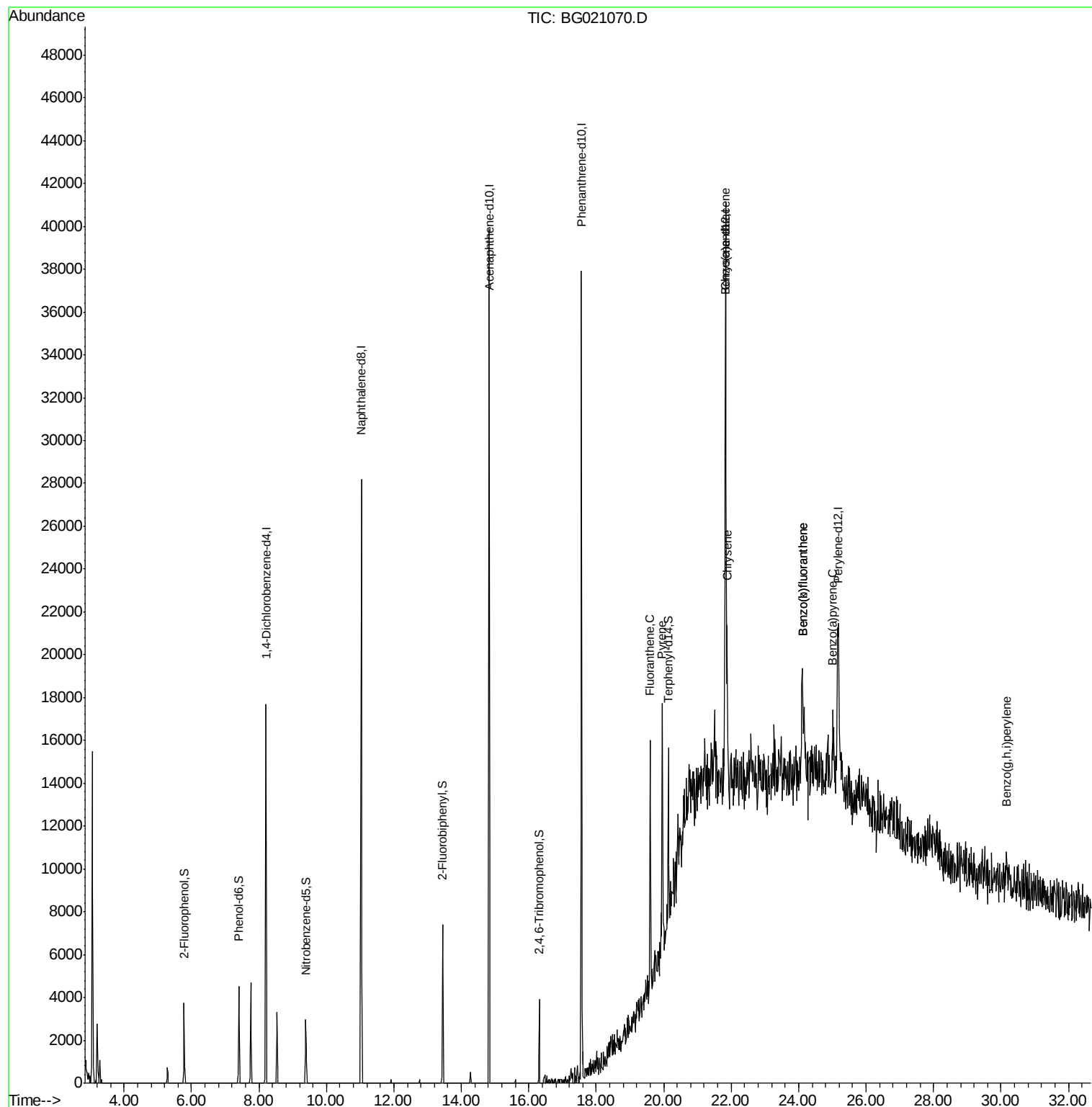
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.21	152	5289	20.00	ng	0.00
21) Naphthalene-d8	11.03	136	26052	20.00	ng	0.00
38) Acenaphthene-d10	14.82	164	13059	20.00	ng	0.00
63) Phenanthrene-d10	17.56	188	22685	20.00	ng	0.00
75) Chrysene-d12	21.84	240	15747	20.00	ng	0.00
86) Perylene-d12	25.17	264	9824	20.00	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.78	112	2275	7.54	ng	0.00
7) Phenol-d6	7.41	99	3582	7.71	ng	0.00
23) Nitrobenzene-d5	9.39	82	2259	5.09	ng	0.00
41) 2,4,6-Tribromophenol	16.31	330	1010	6.46	ng	0.00
44) 2-Fluorobiphenyl	13.45	172	4947	5.27	ng	0.00
78) Terphenyl-d14	20.14	244	3509	2.89	ng	0.00
Target Compounds						Qvalue
74) Fluoranthene	19.59	202	7589	5.88	ng	97
77) Pyrene	19.96	202	7514	4.18	ng	98
80) Benzo(a)anthracene	21.82	228	5511	5.84	ng	# 89
82) Chrysene	21.88	228	4513	5.12	ng	# 88
87) Benzo(b)fluoranthene	24.12	252	6525	10.07	ng	# 91
88) Benzo(k)fluoranthene	24.12	252	6525	10.68	ng	# 90
89) Benzo(a)pyrene	25.01	252	4195	7.23	ng	# 80
91) Benzo(g,h,i)perylene	30.17	276	1753	3.36	ng	# 53

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

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Operator : UM/SJ
Sample : H1557-01 10X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampled :

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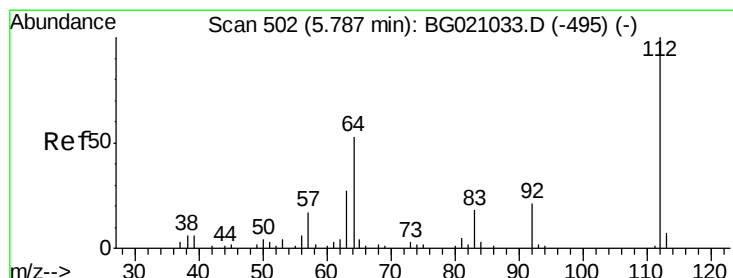
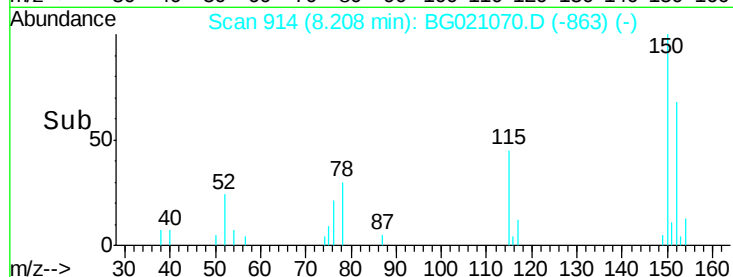
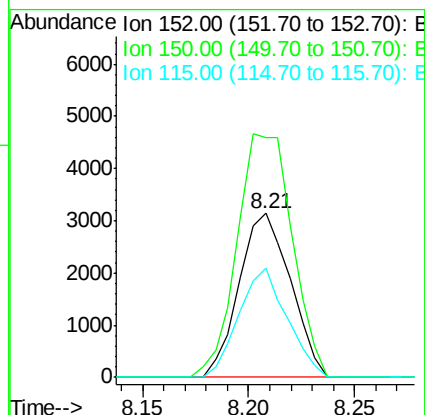
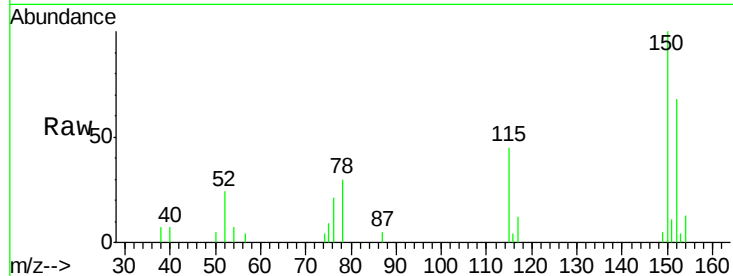


#1

1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 8.21 min Scan# 914
Delta R.T. 0.00 min
Lab File: BG021070.D
Acq: 25 Feb 2016 3:10

Instrument :
BNA_G
ClientSampleId :

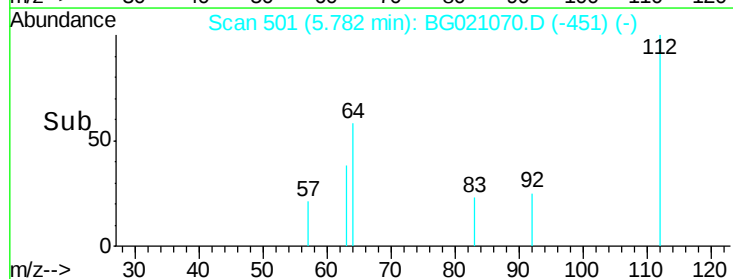
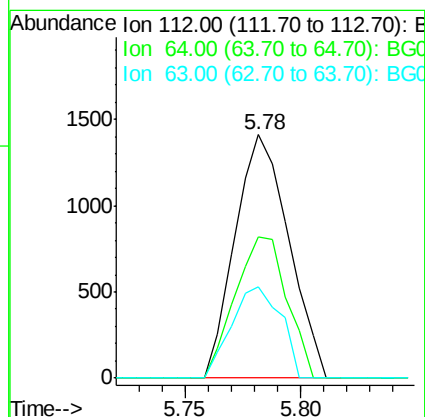
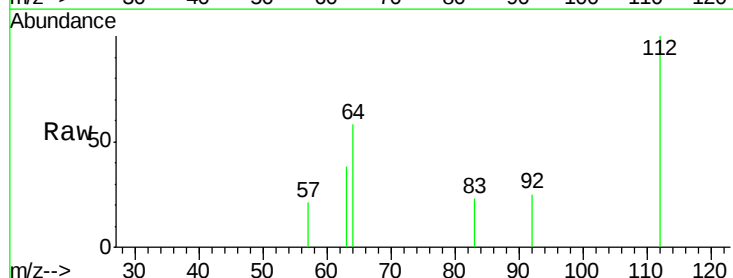
Tot Ion:152 Resp: 5289
Ion Ratio Lower Upper
152 100
150 146.7 123.4 185.2
115 66.6 43.3 64.9#



#5

2-Fluorophenol
Concen: 7.54 ng
RT: 5.78 min Scan# 501
Delta R.T. -0.00 min
Lab File: BG021070.D
Acq: 25 Feb 2016 3:10

Tgt Ion:112 Resp: 2275
Ion Ratio Lower Upper
112 100
64 58.1 42.6 63.8
63 37.7 21.7 32.5#





#7

Phenol-d6

Concen: 7.71 ng

RT: 7.41 min Scan# 778

Delta R.T. -0.00 min

Lab File: BG021070.D

Acq: 25 Feb 2016 3:10

Instrument :

BNA_G

ClientSampled :

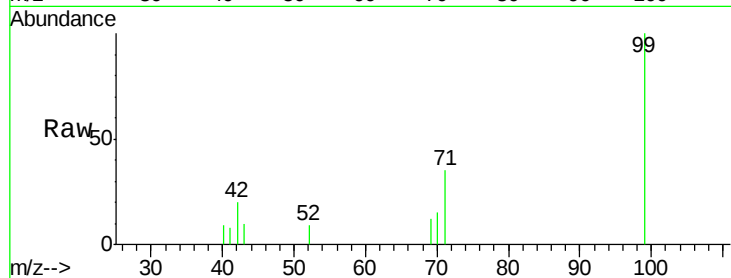
Tot Ion: 99 Resp: 3582

Ion Ratio Lower Upper

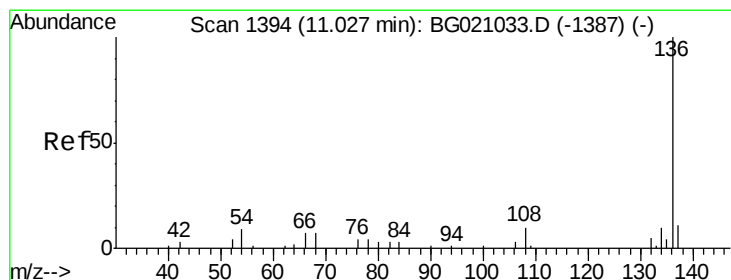
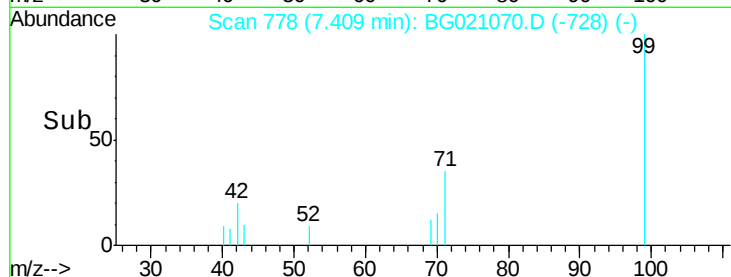
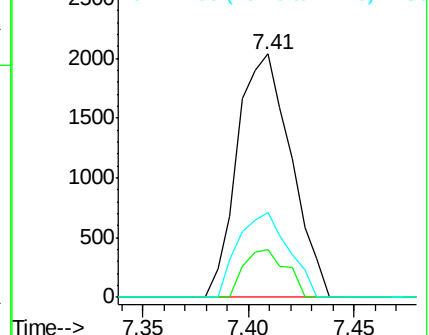
99 100

42 19.6 13.2 19.8

71 35.0 25.2 37.8



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: 11.03 min Scan# 1395

Delta R.T. 0.01 min

Lab File: BG021070.D

Acq: 25 Feb 2016 3:10

Tgt Ion: 136 Resp: 26052

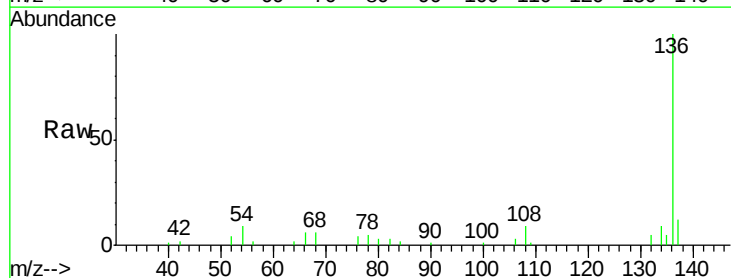
Ion Ratio Lower Upper

136 100

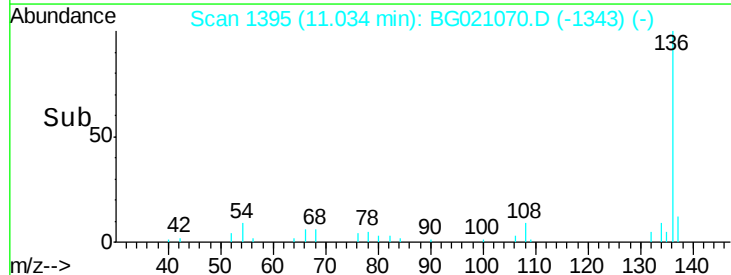
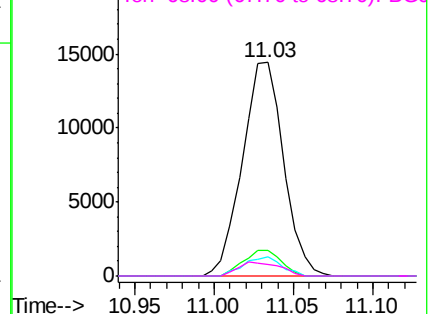
137 11.7 8.8 13.2

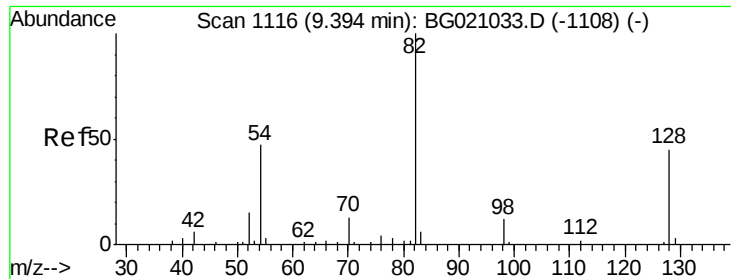
54 9.3 6.9 10.3

68 5.6 5.8 8.6#



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

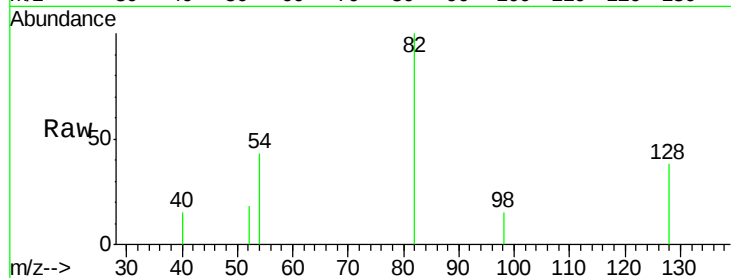




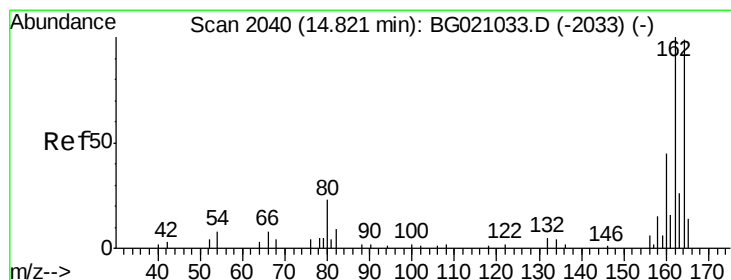
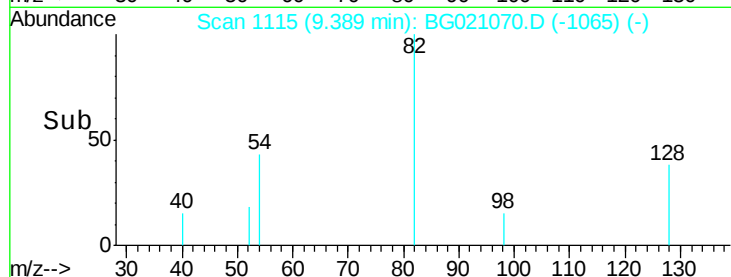
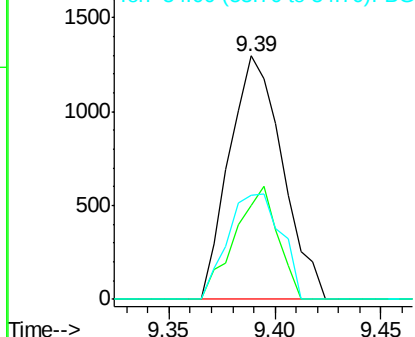
#23
Nitrobenzene-d5
Concen: 5.09 ng
RT: 9.39 min Scan# 1115
Delta R.T. -0.00 min
Lab File: BG021070.D
Acq: 25 Feb 2016 3:10

Instrument :
BNA_G
ClientSampleId :

Tot Ion	82	Resp	2259
Ion Ratio	Lower	Upper	
82	100		
128	38.3	36.3	54.5
54	42.7	37.6	56.4

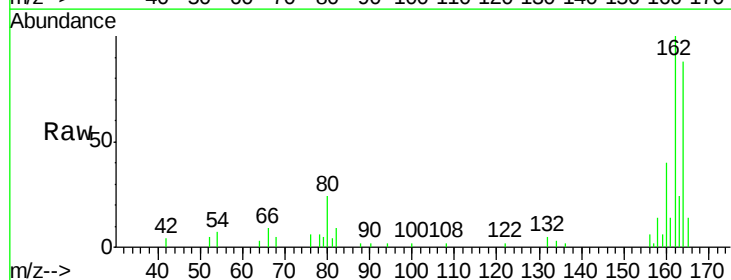


Abundance Ion 82.00 (81.70 to 82.70): BGC
Ion 128.00 (127.70 to 128.70): BGC
Ion 54.00 (53.70 to 54.70): BGC

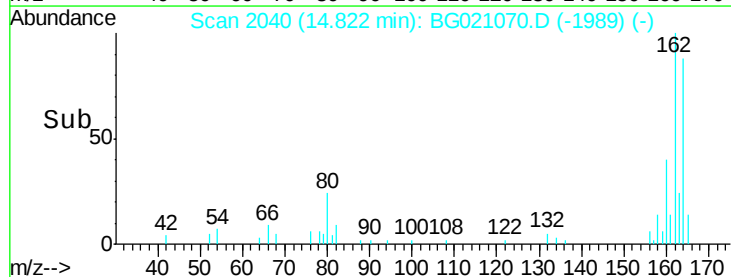
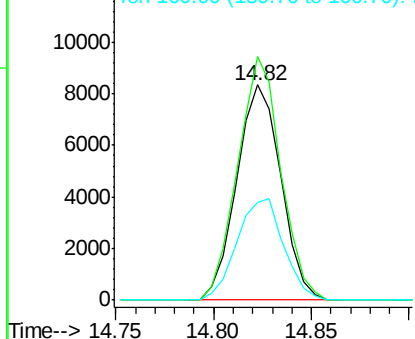


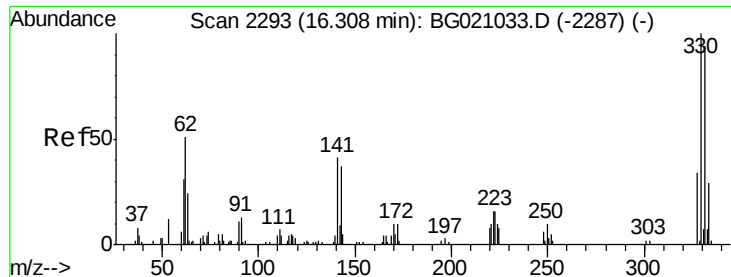
#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 14.82 min Scan# 2040
Delta R.T. 0.00 min
Lab File: BG021070.D
Acq: 25 Feb 2016 3:10

Tgt Ion	164	Resp	13059
Ion Ratio	Lower	Upper	
164	100		
162	113.1	80.6	120.8
160	45.2	36.5	54.7



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

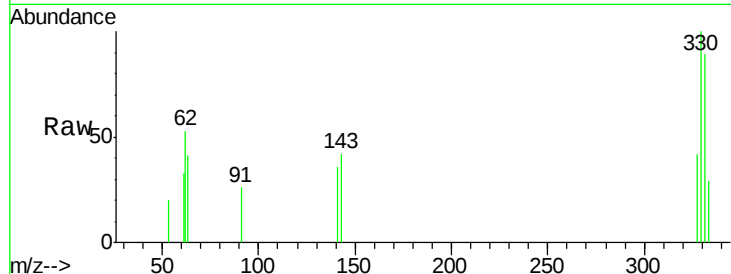




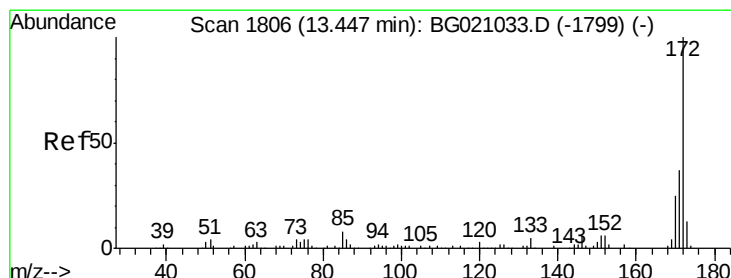
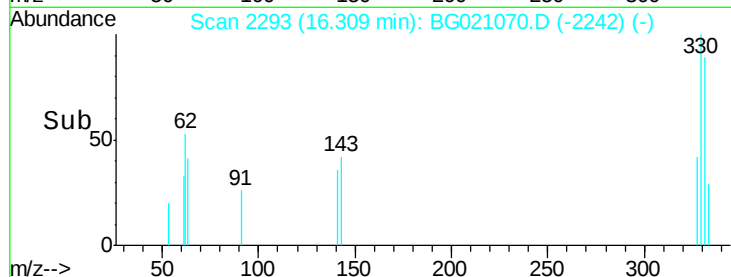
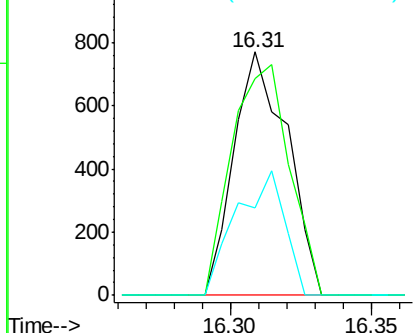
#41
 2,4,6-Tribromophenol
 Concen: 6.46 ng
 RT: 16.31 min Scan# 2293
 Delta R.T. 0.00 min
 Lab File: BG021070.D
 Acq: 25 Feb 2016 3:10

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:330 Resp: 1010
 Ion Ratio Lower Upper
 330 100
 332 102.3 77.4 116.0
 141 46.1 35.3 52.9

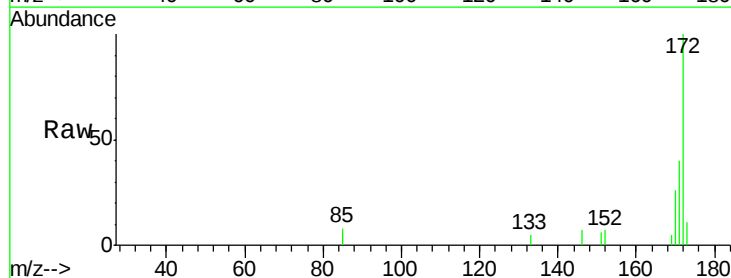


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

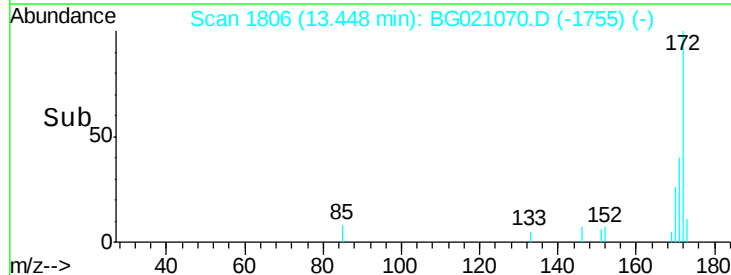
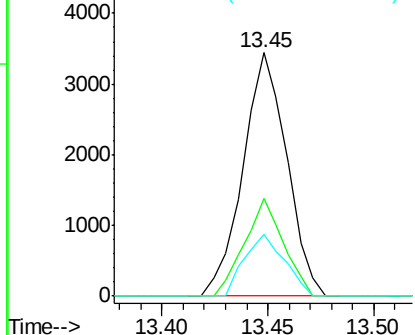


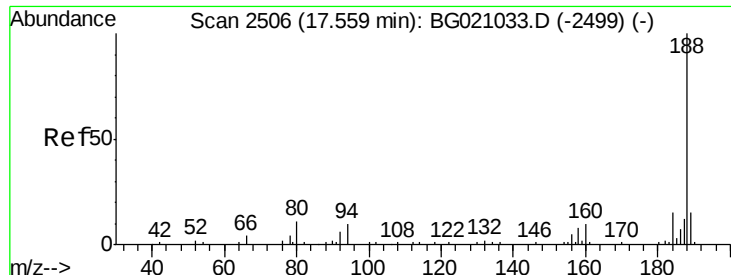
#44
 2-Fluorobiphenyl
 Concen: 5.27 ng
 RT: 13.45 min Scan# 1806
 Delta R.T. 0.00 min
 Lab File: BG021070.D
 Acq: 25 Feb 2016 3:10

Tgt Ion:172 Resp: 4947
 Ion Ratio Lower Upper
 172 100
 171 40.2 29.4 44.0
 170 25.6 19.8 29.8



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

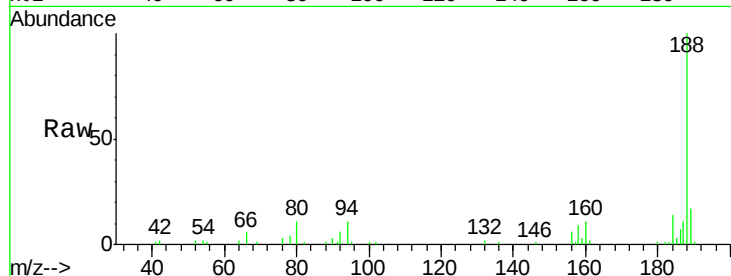




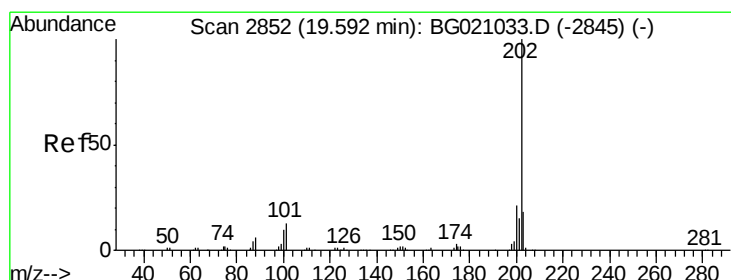
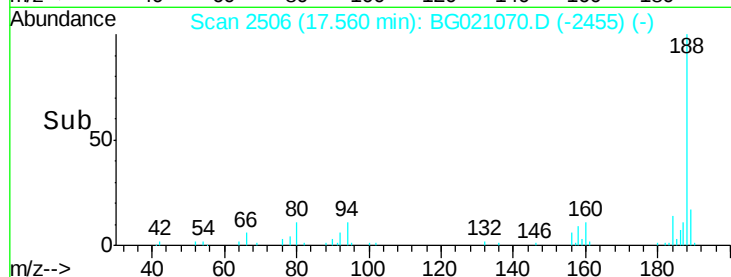
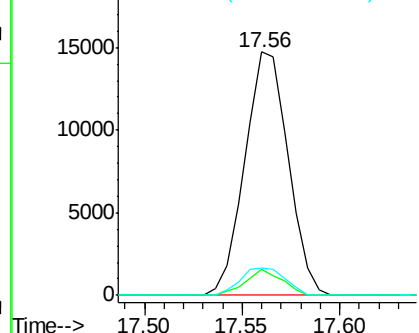
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 17.56 min Scan# 2506
Delta R.T. 0.00 min
Lab File: BG021070.D
Acq: 25 Feb 2016 3:10

Instrument :
BNA_G
ClientSampleId :

Tot Ion:188 Resp: 22685
Ion Ratio Lower Upper
188 100
94 10.9 8.2 12.4
80 11.5 9.2 13.8

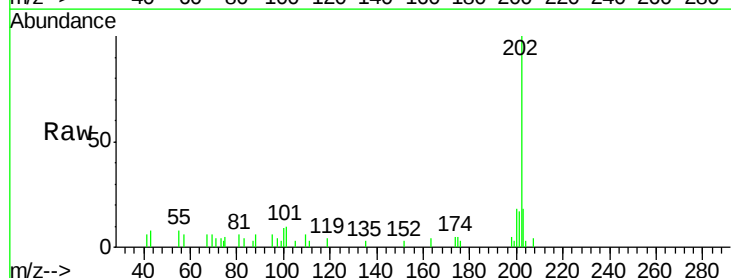


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BGC
Ion 80.00 (79.70 to 80.70): BGC

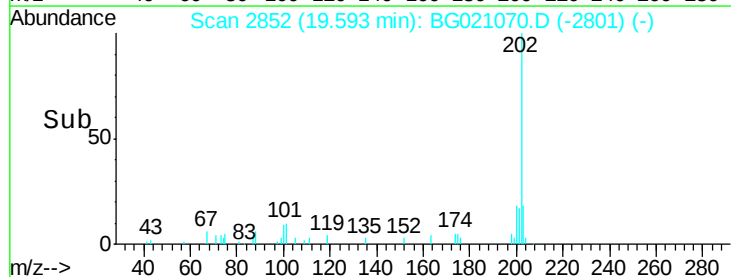
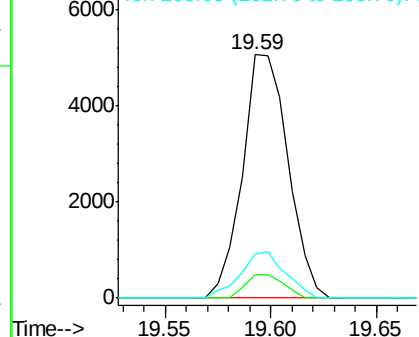


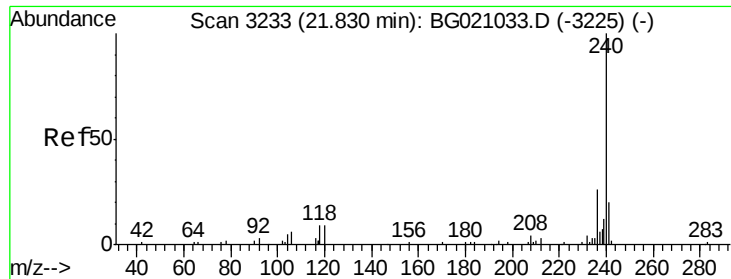
#74
Fluoranthene
Concen: 5.88 ng
RT: 19.59 min Scan# 2852
Delta R.T. 0.00 min
Lab File: BG021070.D
Acq: 25 Feb 2016 3:10

Tgt Ion:202 Resp: 7589
Ion Ratio Lower Upper
202 100
101 9.6 0.0 32.5
203 17.8 0.0 37.6



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

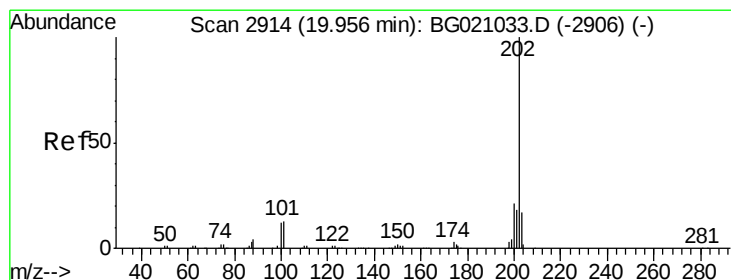
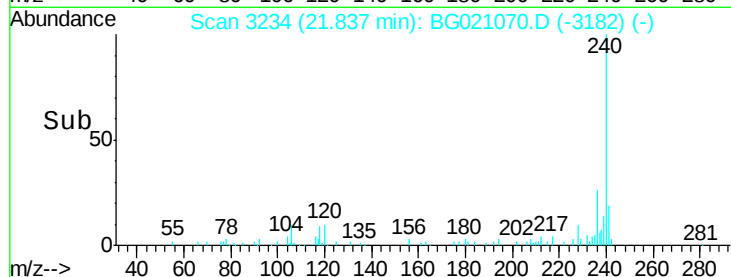
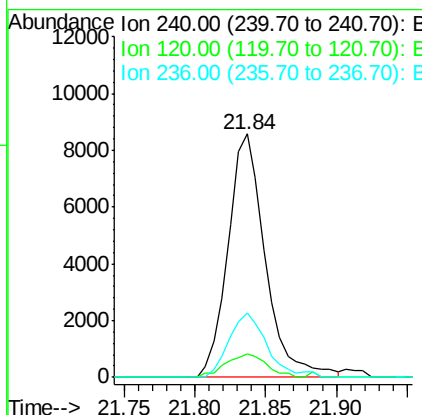
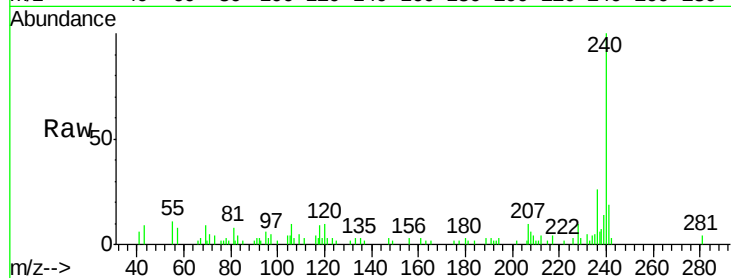




#75
Chrysene-d12
Concen: 20.00 ng
RT: 21.84 min Scan# 3234
Delta R.T. 0.01 min
Lab File: BG021070.D
Acq: 25 Feb 2016 3:10

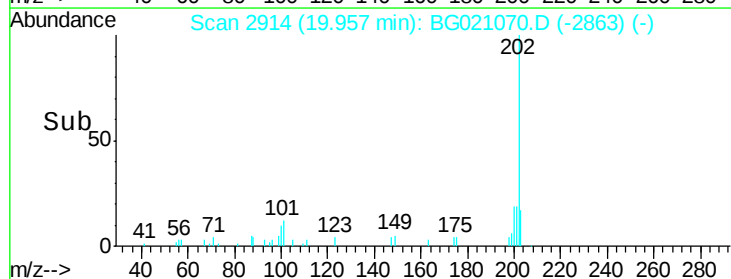
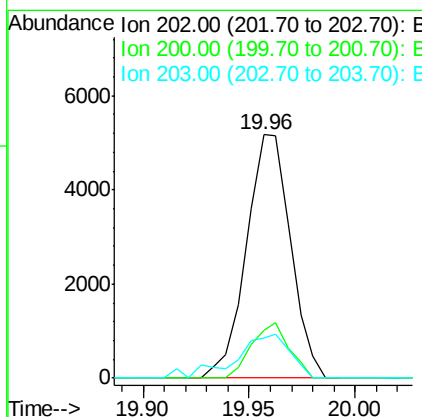
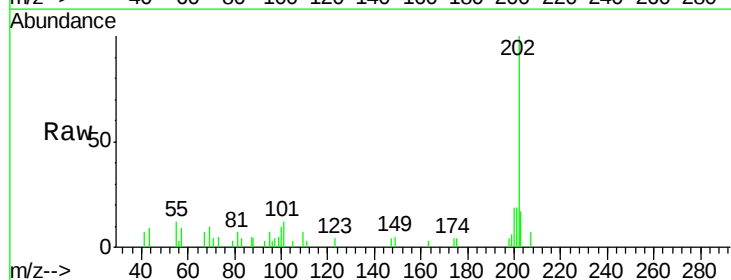
Instrument :
BNA_G
ClientSampleId :

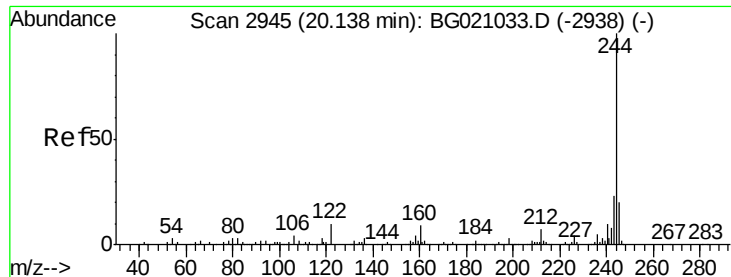
Tot Ion:240 Resp: 15747
Ion Ratio Lower Upper
240 100
120 9.6 7.5 11.3
236 26.3 20.5 30.7



#77
Pyrene
Concen: 4.18 ng
RT: 19.96 min Scan# 2914
Delta R.T. 0.00 min
Lab File: BG021070.D
Acq: 25 Feb 2016 3:10

Tgt Ion:202 Resp: 7514
Ion Ratio Lower Upper
202 100
200 19.5 16.6 25.0
203 16.6 13.8 20.8





#78

Terphenyl-d14

Concen: 2.89 ng

RT: 20.14 min Scan# 2945

Delta R.T. 0.00 min

Lab File: BG021070.D

Acq: 25 Feb 2016 3:10

Instrument :

BNA_G

ClientSampleId :

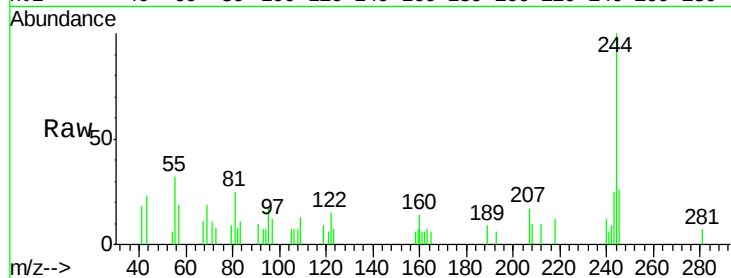
Tot Ion:244 Resp: 3509

Ion Ratio Lower Upper

244 100

212 9.8 5.8 8.6#

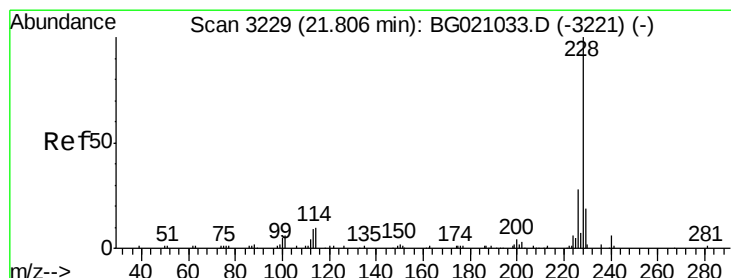
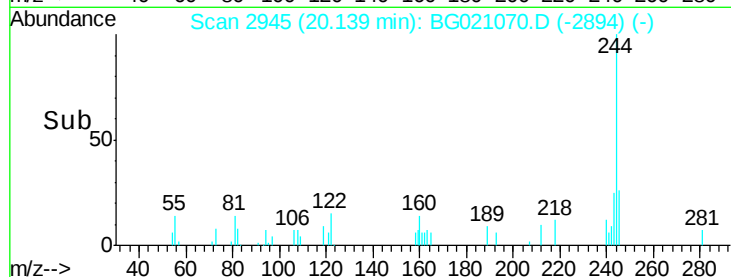
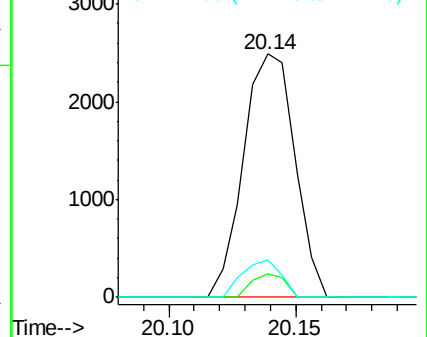
122 15.3 8.3 12.5#



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: 5.84 ng

RT: 21.82 min Scan# 3231

Delta R.T. 0.01 min

Lab File: BG021070.D

Acq: 25 Feb 2016 3:10

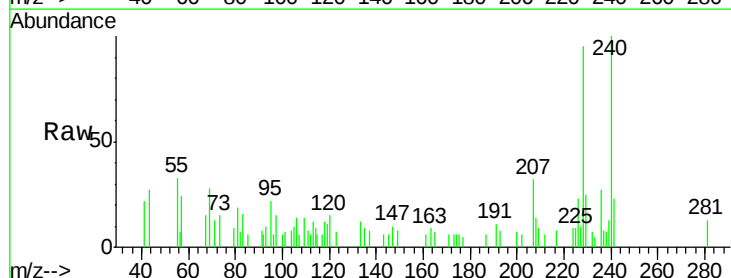
Tgt Ion:228 Resp: 5511

Ion Ratio Lower Upper

228 100

226 24.1 22.7 34.1

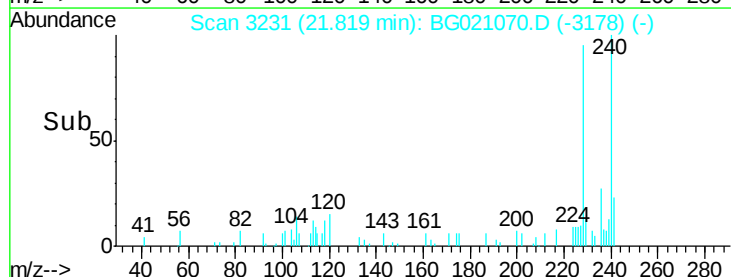
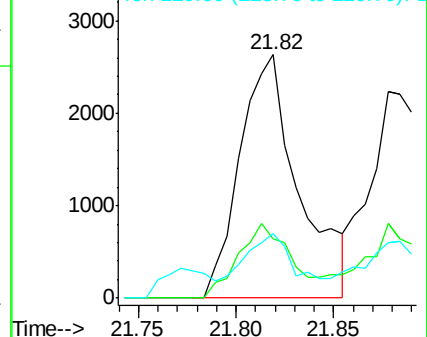
229 26.4 15.5 23.3#

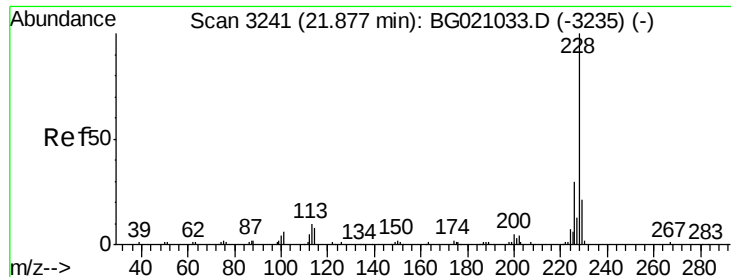


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#82

Chrysene

Concen: 5.12 ng

RT: 21.88 min Scan# 3241

Delta R.T. 0.00 min

Lab File: BG021070.D

Acq: 25 Feb 2016 3:10

Instrument :

BNA_G

ClientSampleId :

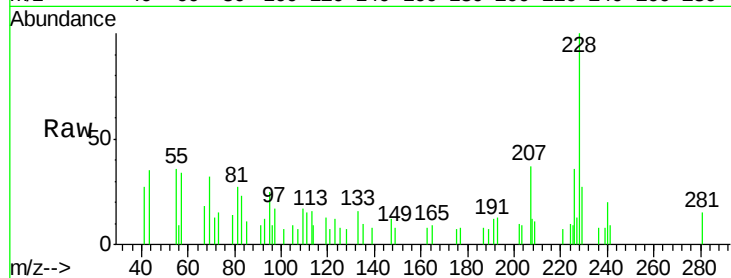
Tot Ion:228 Resp: 4513

Ion Ratio Lower Upper

228 100

226 35.9 23.7 35.5#

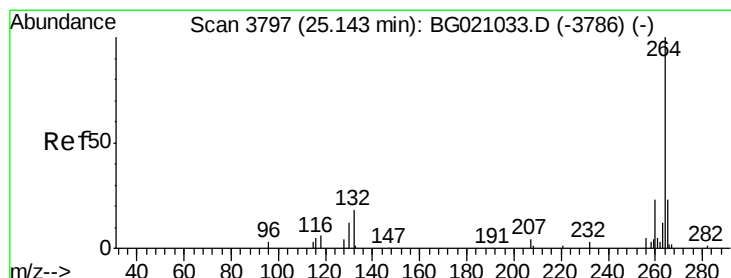
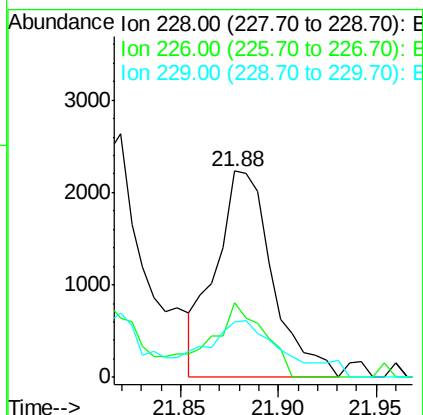
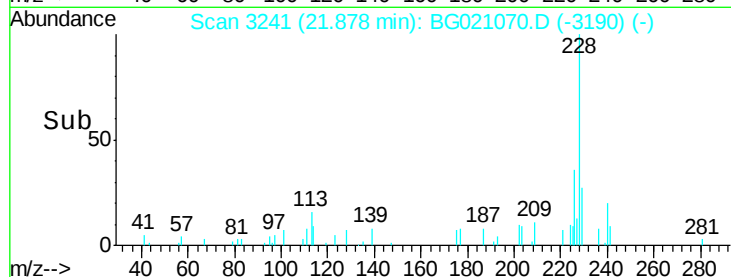
229 27.0 16.7 25.1#



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



#86

Perylene-d12

Concen: 20.00 ng

RT: 25.17 min Scan# 3801

Delta R.T. 0.02 min

Lab File: BG021070.D

Acq: 25 Feb 2016 3:10

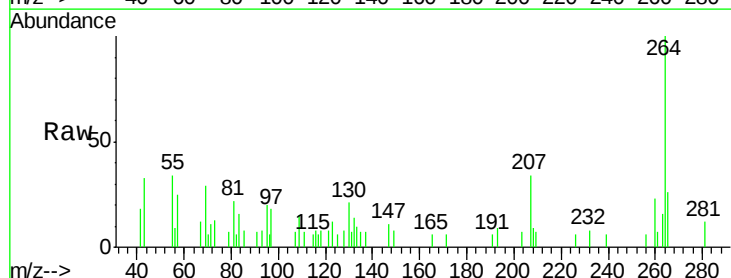
Tgt Ion:264 Resp: 9824

Ion Ratio Lower Upper

264 100

260 23.4 18.5 27.7

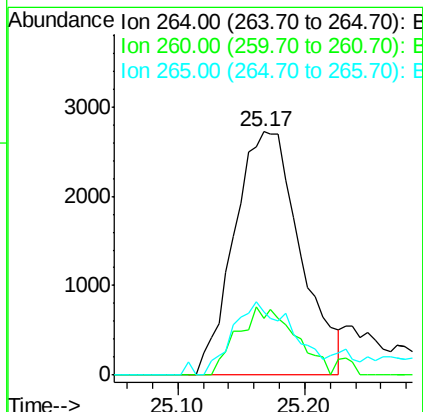
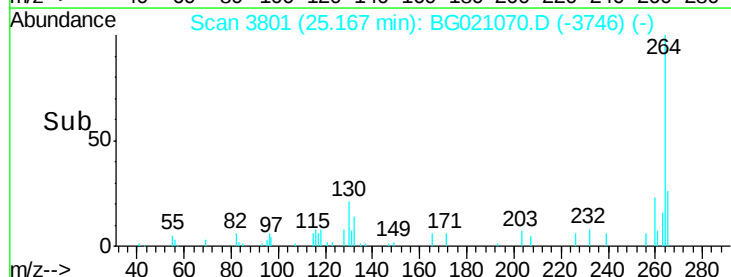
265 25.8 18.6 28.0

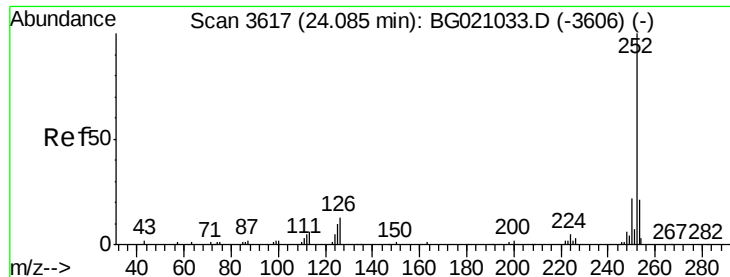


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#87

Benzo(b)fluoranthene

Concen: 10.07 ng

RT: 24.12 min Scan# 3622

Delta R.T. 0.03 min

Lab File: BG021070.D

Acq: 25 Feb 2016 3:10

Instrument :

BNA_G

ClientSampleId :

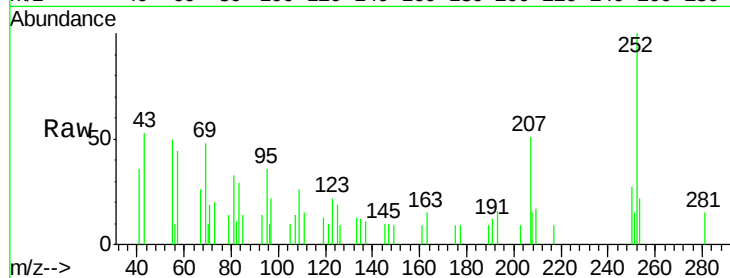
Tot Ion:252 Resp: 6525

Ion Ratio Lower Upper

252 100

253 21.7 16.8 25.2

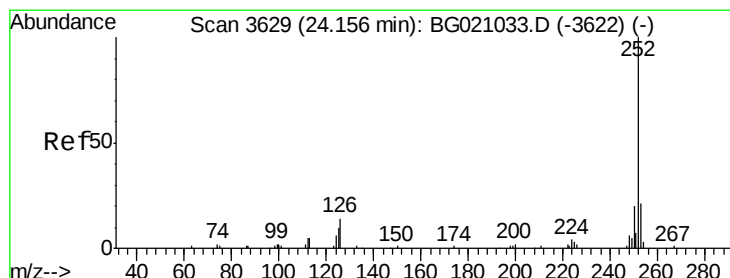
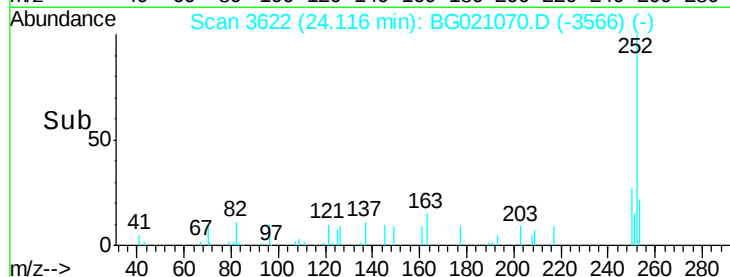
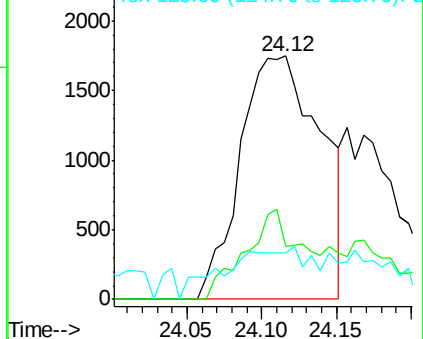
125 19.0 8.2 12.2#



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: 10.68 ng

RT: 24.12 min Scan# 3622

Delta R.T. -0.04 min

Lab File: BG021070.D

Acq: 25 Feb 2016 3:10

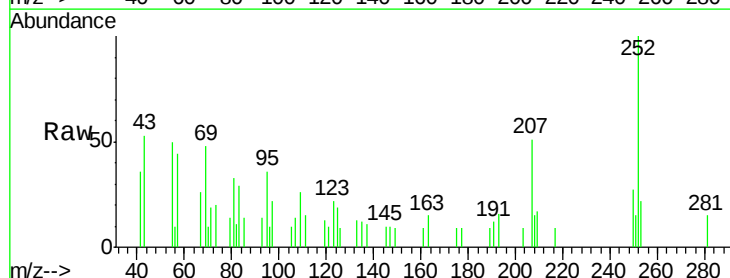
Tgt Ion:252 Resp: 6525

Ion Ratio Lower Upper

252 100

253 21.7 16.4 24.6

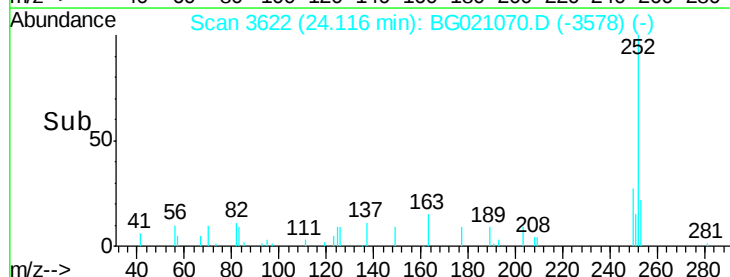
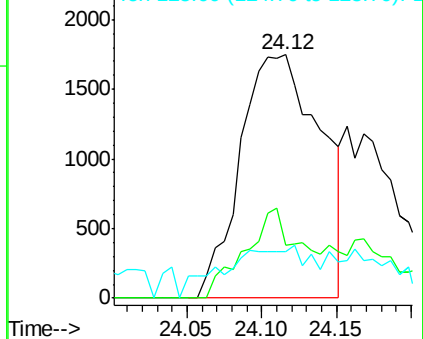
125 19.0 8.2 12.2#

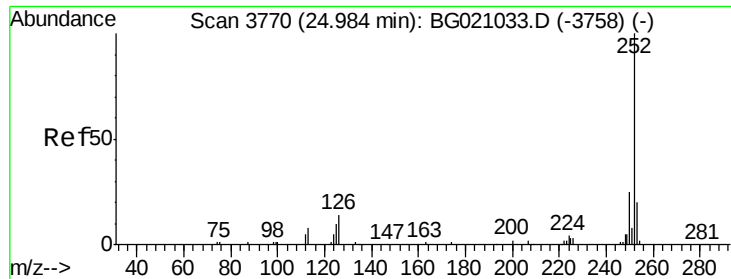


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#89

Benzo(a)pyrene

Concen: 7.23 ng

RT: 25.01 min Scan# 3775

Delta R.T. 0.03 min

Lab File: BG021070.D

Acq: 25 Feb 2016 3:10

Instrument :

BNA_G

ClientSampleId :

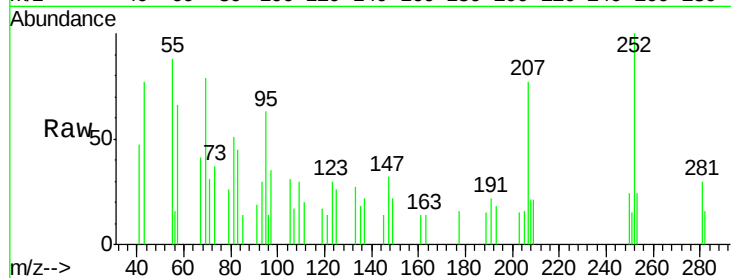
Tot Ion:252 Resp: 4195

Ion Ratio Lower Upper

252 100

253 23.7 15.8 23.8

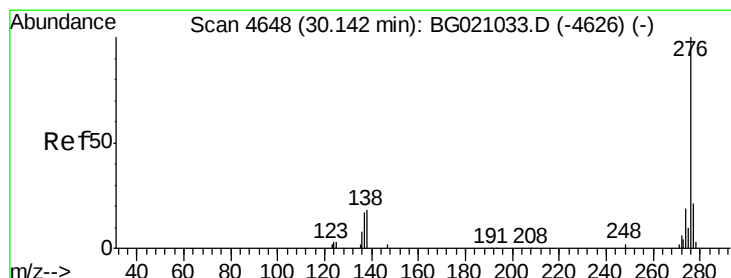
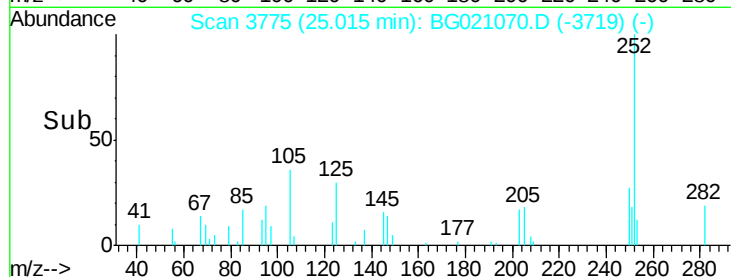
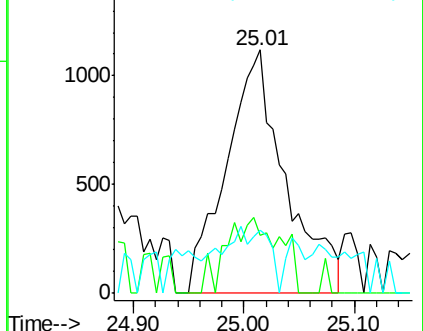
125 26.2 8.4 12.6#



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: 3.36 ng

RT: 30.17 min Scan# 4652

Delta R.T. 0.02 min

Lab File: BG021070.D

Acq: 25 Feb 2016 3:10

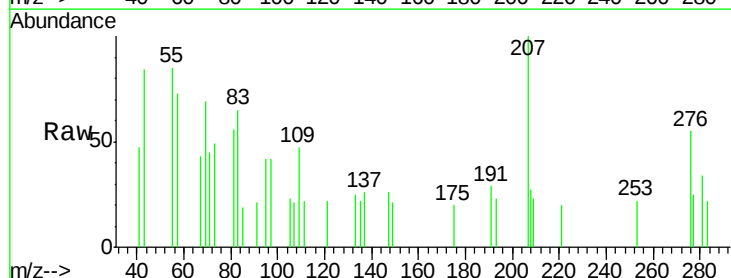
Tgt Ion:276 Resp: 1753

Ion Ratio Lower Upper

276 100

277 45.5 16.6 25.0#

138 0.0 14.6 21.8#



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

