

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG022716\
 Data File : BG021141.D
 Acq On : 28 Feb 2016 8:06
 Operator : UM/SJ
 Sample : H1526-04
 Misc :
 ALS Vial : 58 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 P-03

Quant Time: Feb 29 00:34:03 2016
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG022616.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Feb 26 16:39:44 2016
 Response via : Initial Calibration

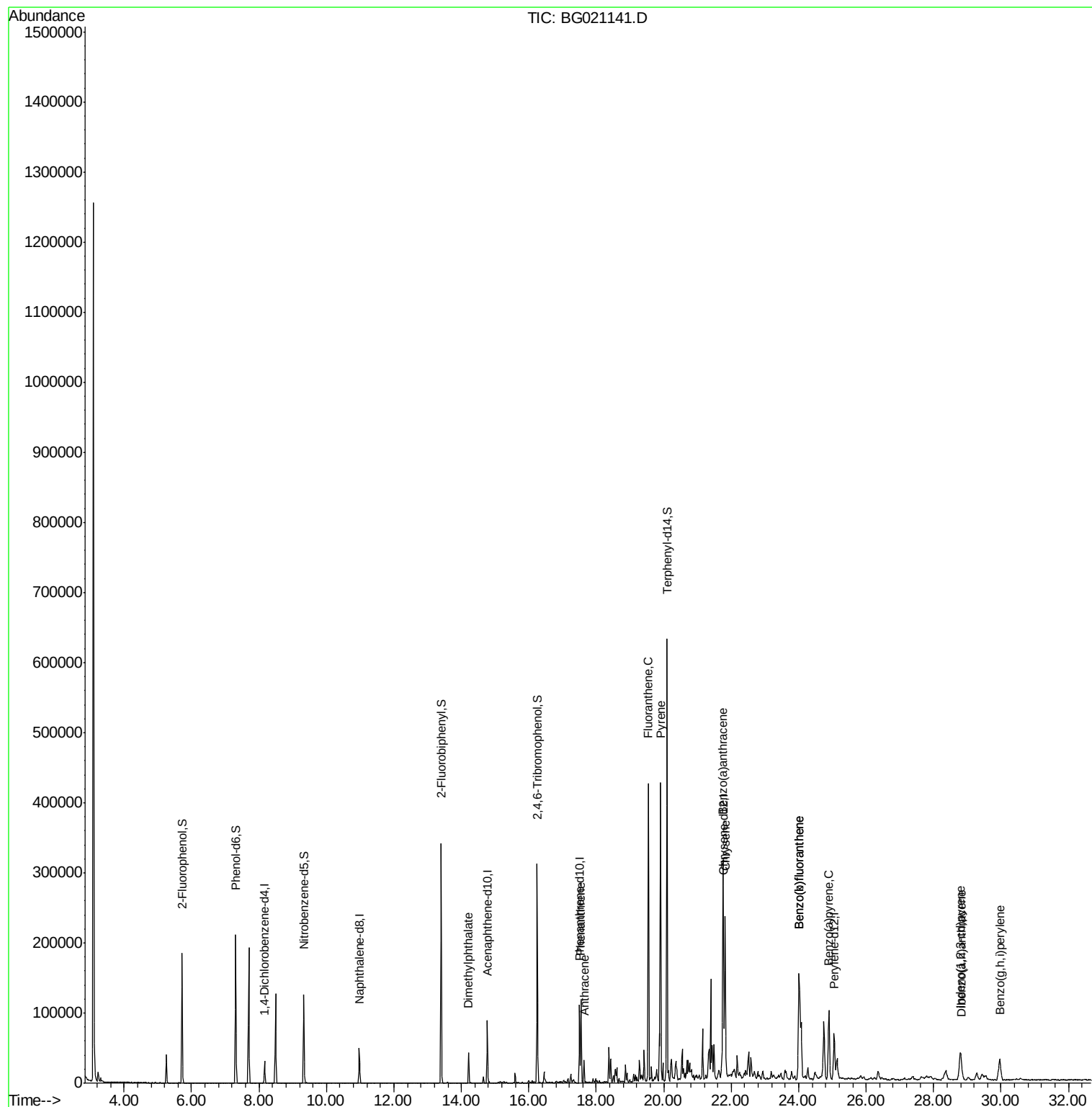
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.17	152	8292	20.00	ng	-0.01
21) Naphthalene-d8	10.97	136	40866	20.00	ng	-0.02
38) Acenaphthene-d10	14.77	164	26905	20.00	ng	-0.01
63) Phenanthrene-d10	17.50	188	66335	20.00	ng	-0.02
75) Chrysene-d12	21.77	240	69973	20.00	ng	-0.02
86) Perylene-d12	25.05	264	63895	20.00	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.72	112	70272	148.37	ng	0.00
7) Phenol-d6	7.31	99	114646	162.67	ng	-0.02
23) Nitrobenzene-d5	9.33	82	81443	94.96	ng	-0.02
41) 2,4,6-Tribromophenol	16.25	330	39967	113.30	ng	-0.01
44) 2-Fluorobiphenyl	13.40	172	156212	74.30	ng	-0.01
78) Terphenyl-d14	20.10	244	247757	82.75	ng	-0.01
Target Compounds						Qvalue
49) Dimethylphthalate	14.21	163	24780	10.69	ng	99
70) Phenanthrene	17.55	178	68861	19.29	ng	99
71) Anthracene	17.64	178	19440	5.41	ng	98
74) Fluoranthene	19.55	202	250522	55.95	ng	99
77) Pyrene	19.91	202	247564	63.89	ng	99
80) Benzo(a)anthracene	21.75	228	167767	41.67	ng	99
82) Chrysene	21.82	228	145135	37.43	ng	99
85) Indeno(1,2,3-cd)pyrene	28.80	276	65313	13.97	ng	# 100
87) Benzo(b)fluoranthene	24.02	252	186251	46.63	ng	97
88) Benzo(k)fluoranthene	24.02	252	186251	47.31	ng	96
89) Benzo(a)pyrene	24.89	252	102054	26.62	ng	95
90) Dibenzo(a,h)anthracene	28.83	278	18809	4.87	ng	# 81
91) Benzo(g,h,i)perylene	29.96	276	55234	14.84	ng	93

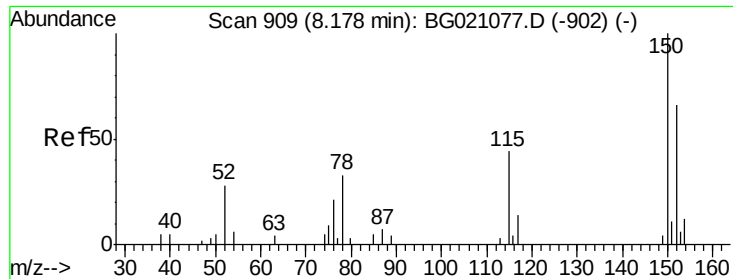
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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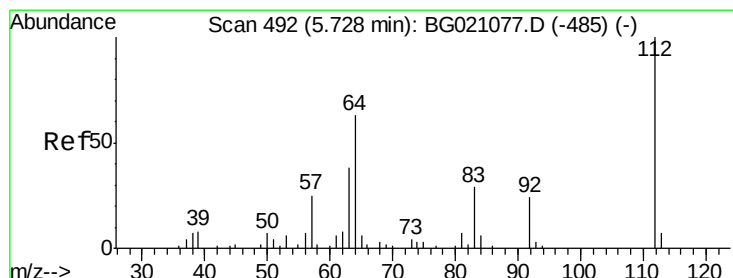
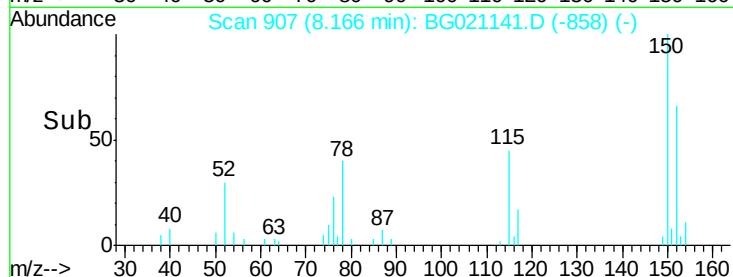
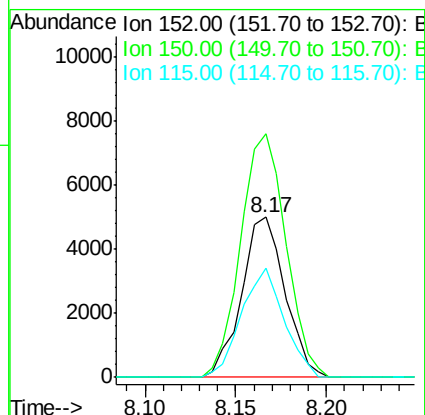
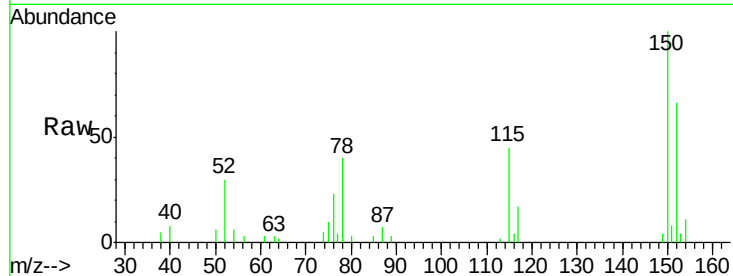


#1

1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 8.17 min Scan# 907
Delta R.T. -0.01 min
Lab File: BG021141.D
Acq: 28 Feb 2016 8:06

Instrument :
BNA_G
ClientSampled :
P-03

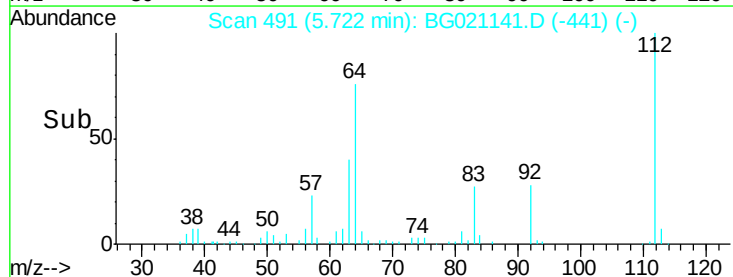
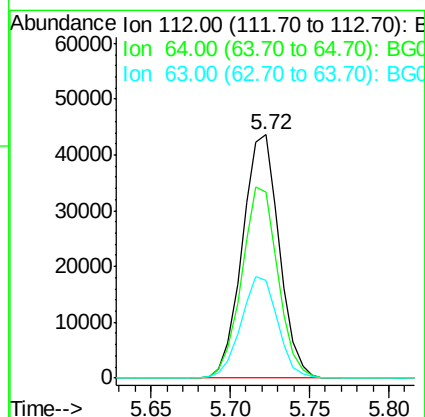
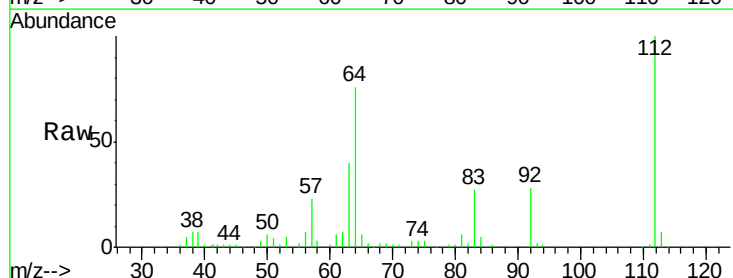
Tgt Ion:152 Resp: 8292
Ion Ratio Lower Upper
152 100
150 152.2 123.4 185.2
115 68.0 43.3 64.9#

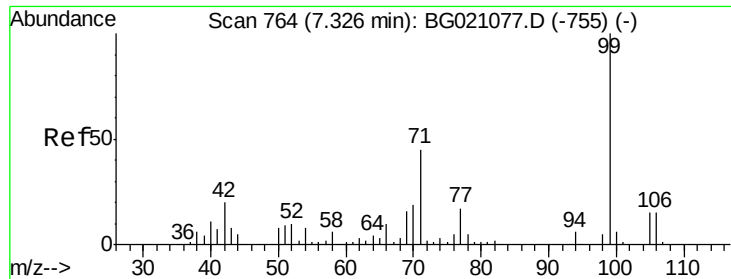


#5

2-Fluorophenol
Concen: 148.37 ng
RT: 5.72 min Scan# 491
Delta R.T. -0.00 min
Lab File: BG021141.D
Acq: 28 Feb 2016 8:06

Tgt Ion:112 Resp: 70272
Ion Ratio Lower Upper
112 100
64 76.5 42.6 63.8#
63 40.3 21.7 32.5#





#7

Phenol-d6

Concen: 162.67 ng

RT: 7.31 min Scan# 761

Delta R.T. -0.02 min

Lab File: BG021141.D

Acq: 28 Feb 2016 8:06

Instrument :

BNA_G

ClientSampleId :

P-03

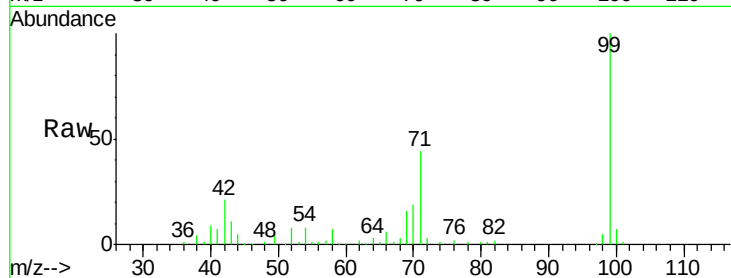
Tgt Ion: 99 Resp: 114646

Ion Ratio Lower Upper

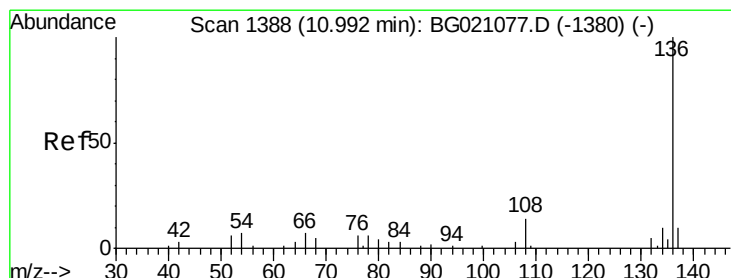
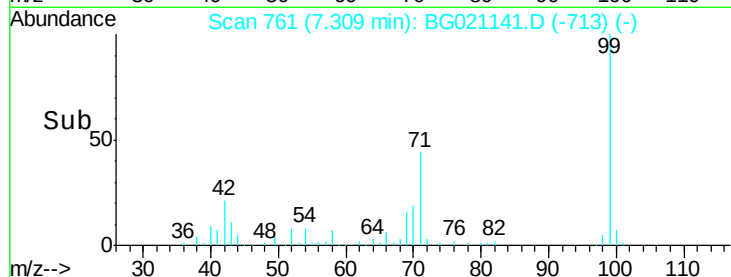
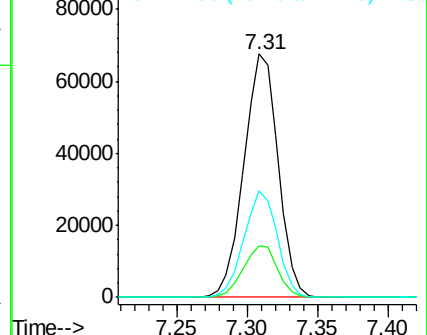
99 100

42 21.3 13.2 19.8#

71 43.8 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: 10.97 min Scan# 1385

Delta R.T. -0.02 min

Lab File: BG021141.D

Acq: 28 Feb 2016 8:06

Tgt Ion: 136 Resp: 40866

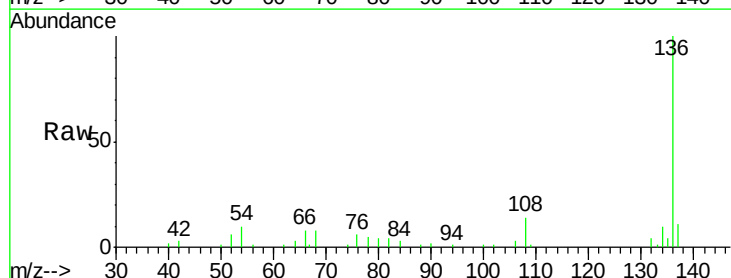
Ion Ratio Lower Upper

136 100

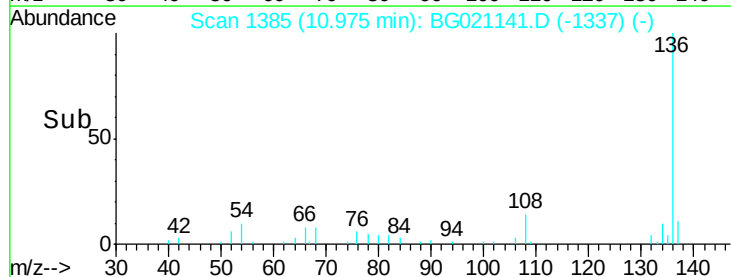
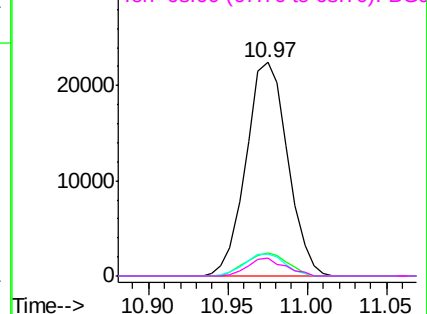
137 11.1 8.8 13.2

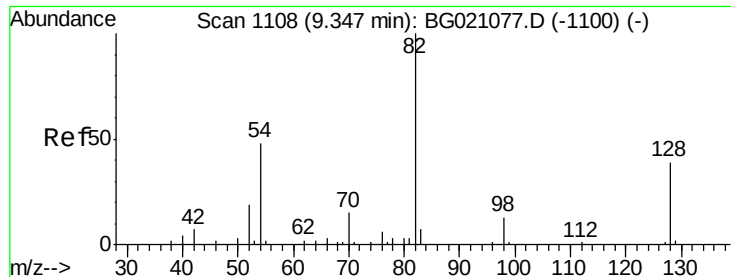
54 10.0 6.9 10.3

68 8.2 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

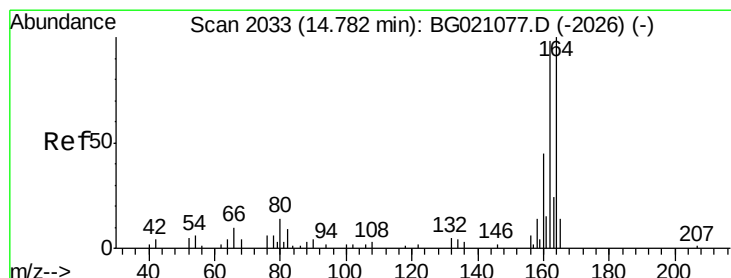
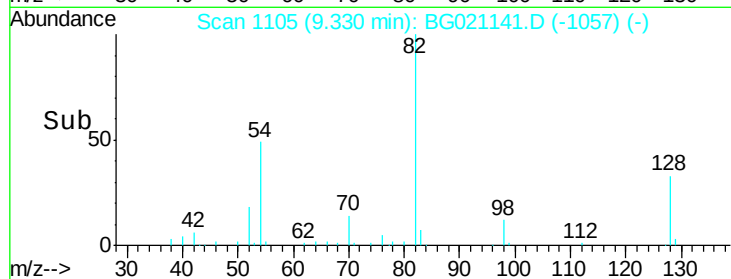
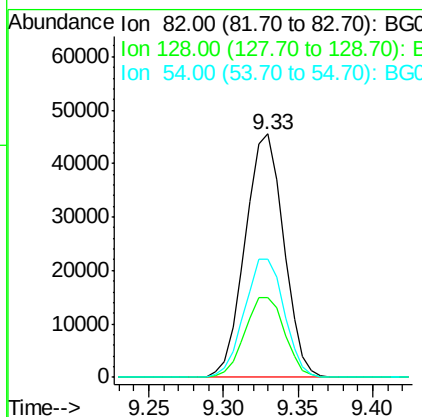
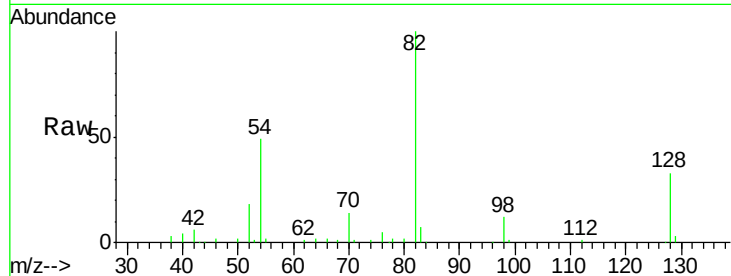




#23
 Nitrobenzene-d5
 Concen: 94.96 ng
 RT: 9.33 min Scan# 1105
 Delta R.T. -0.02 min
 Lab File: BG021141.D
 Acq: 28 Feb 2016 8:06

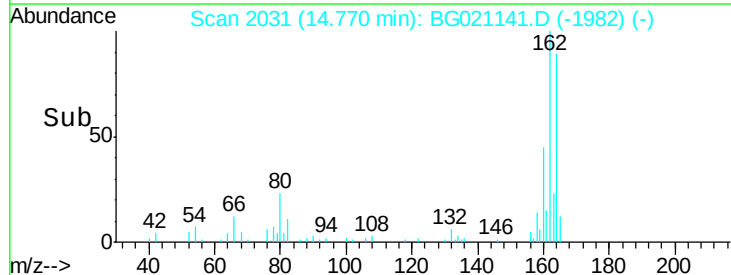
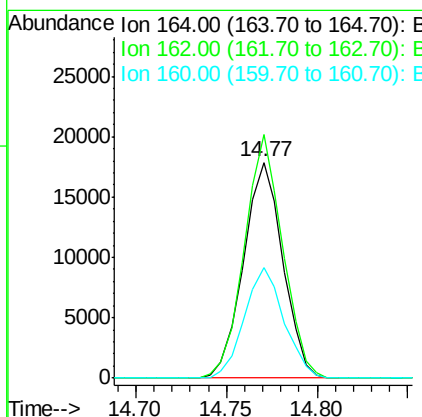
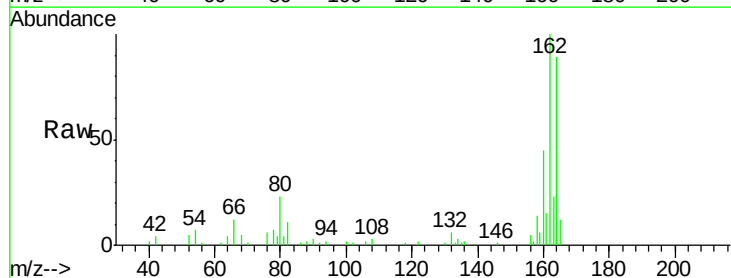
Instrument :
 BNA_G
 ClientSampleId :
 P-03

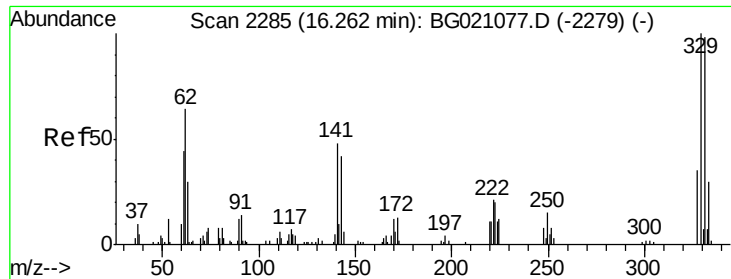
Tgt Ion: 82 Resp: 81443
 Ion Ratio Lower Upper
 82 100
 128 33.0 36.3 54.5#
 54 48.7 37.6 56.4



#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 14.77 min Scan# 2031
 Delta R.T. -0.01 min
 Lab File: BG021141.D
 Acq: 28 Feb 2016 8:06

Tgt Ion: 164 Resp: 26905
 Ion Ratio Lower Upper
 164 100
 162 112.8 80.6 120.8
 160 51.0 36.5 54.7

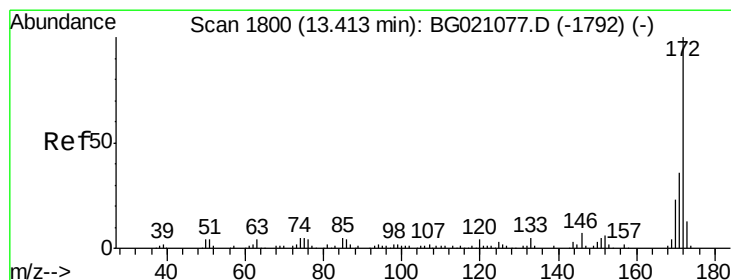
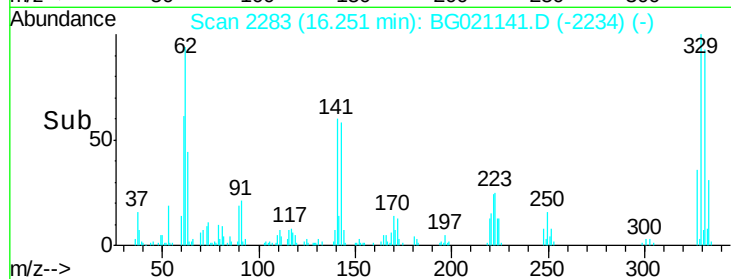
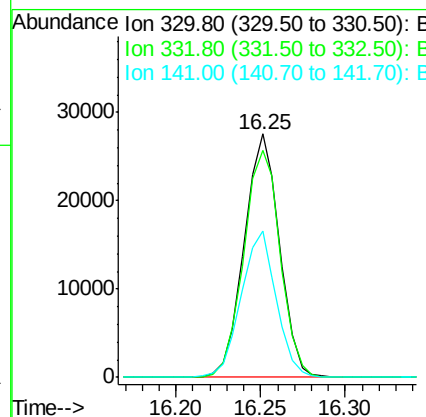
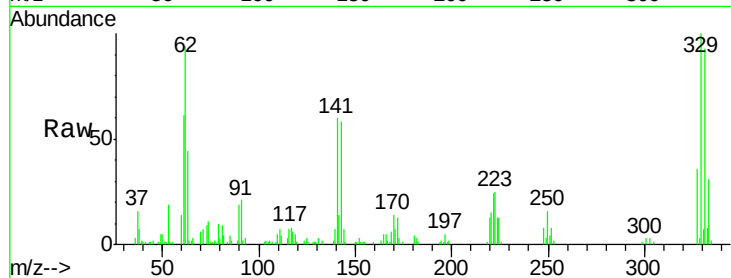




#41
 2,4,6-Tribromophenol
 Concen: 113.30 ng
 RT: 16.25 min Scan# 2283
 Delta R.T. -0.01 min
 Lab File: BG021141.D
 Acq: 28 Feb 2016 8:06

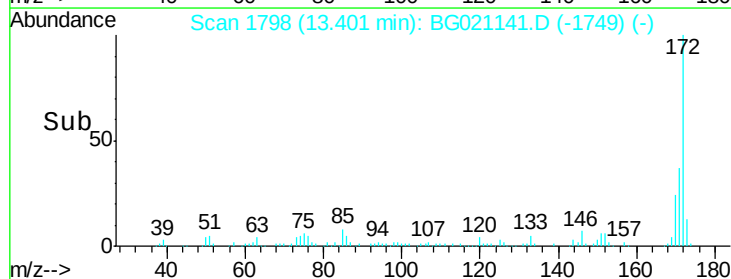
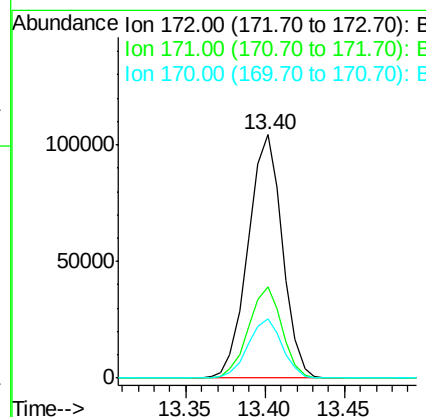
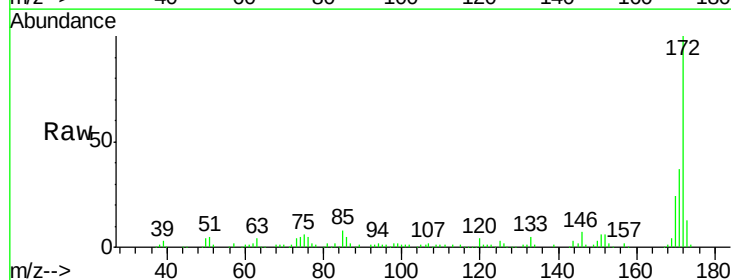
Instrument :
 BNA_G
 ClientSampleId :
 P-03

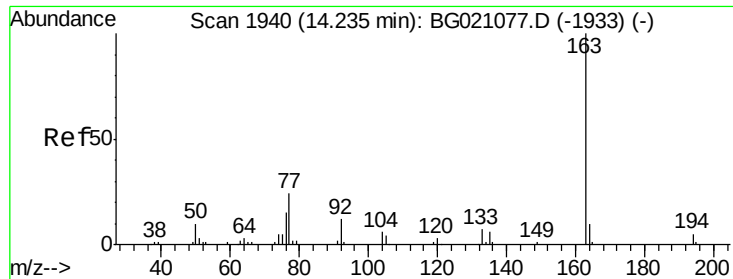
Tgt Ion	Ratio	Lower	Upper
330	100		
332	96.5	77.4	116.0
141	59.6	35.3	52.9#



#44
 2-Fluorobiphenyl
 Concen: 74.30 ng
 RT: 13.40 min Scan# 1798
 Delta R.T. -0.01 min
 Lab File: BG021141.D
 Acq: 28 Feb 2016 8:06

Tgt Ion	Ratio	Lower	Upper
172	100		
171	37.3	29.4	44.0
170	24.1	19.8	29.8





#49

Dimethylphthalate

Concen: 10.69 ng

RT: 14.21 min Scan# 1936

Delta R.T. -0.02 min

Lab File: BG021141.D

Acq: 28 Feb 2016 8:06

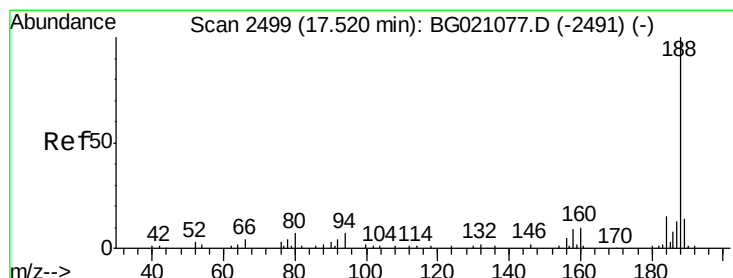
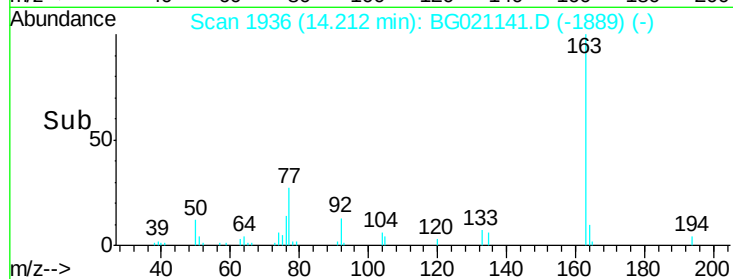
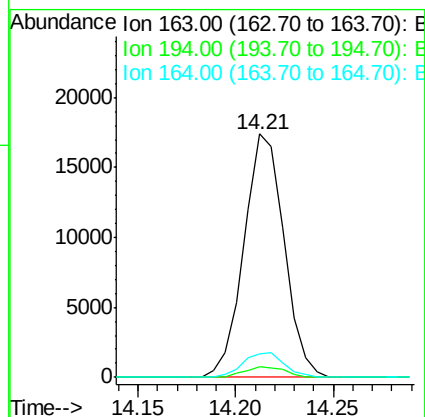
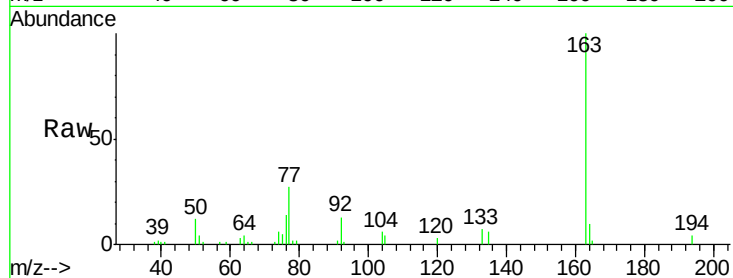
Instrument :

BNA_G

ClientSampleId :

P-03

Tgt Ion:	163	Resp:	24780
Ion	Ratio	Lower	Upper
163	100		
194	4.2	2.8	4.2
164	9.7	7.9	11.9



#63

Phenanthrene-d10

Concen: 20.00 ng

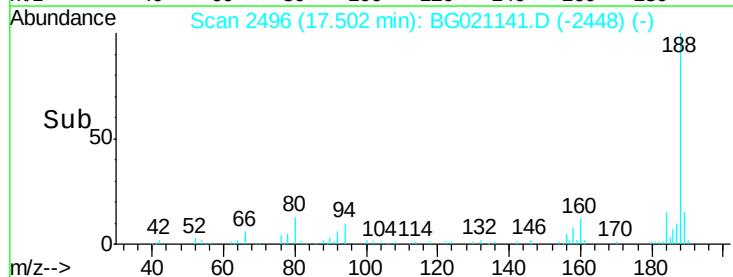
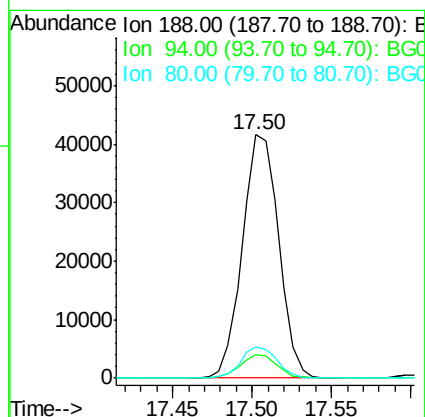
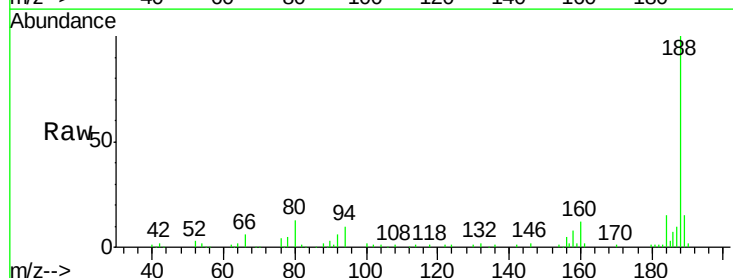
RT: 17.50 min Scan# 2496

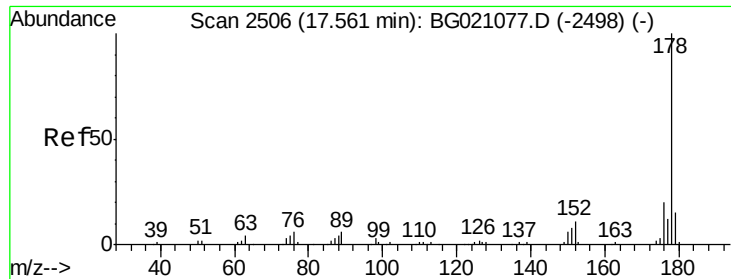
Delta R.T. -0.02 min

Lab File: BG021141.D

Acq: 28 Feb 2016 8:06

Tgt Ion:	188	Resp:	66335
Ion	Ratio	Lower	Upper
188	100		
94	9.9	8.2	12.4
80	12.9	9.2	13.8





#70

Phenanthrene

Concen: 19.29 ng

RT: 17.55 min Scan# 2504

Delta R.T. -0.01 min

Lab File: BG021141.D

Acq: 28 Feb 2016 8:06

Instrument :

BNA_G

ClientSampleId :

P-03

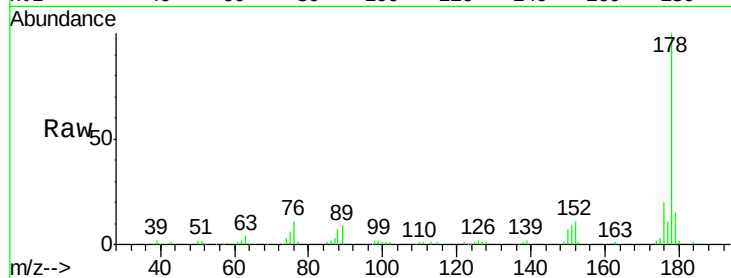
Tgt Ion:178 Resp: 68861

Ion Ratio Lower Upper

178 100

176 20.0 16.2 24.4

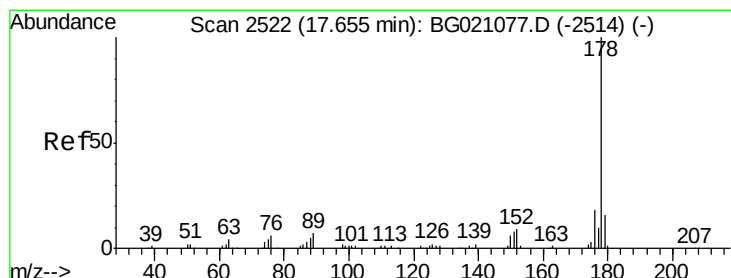
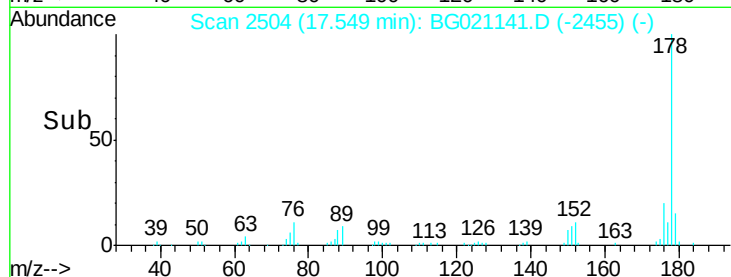
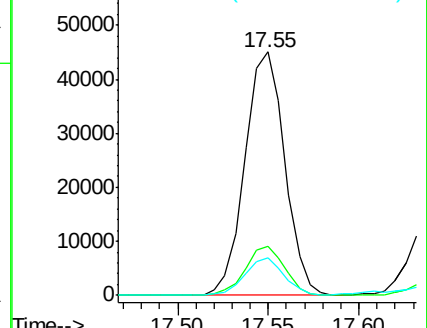
179 15.2 12.9 19.3



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: 5.41 ng

RT: 17.64 min Scan# 2519

Delta R.T. -0.02 min

Lab File: BG021141.D

Acq: 28 Feb 2016 8:06

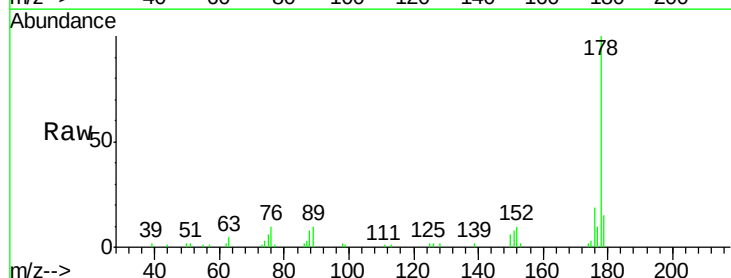
Tgt Ion:178 Resp: 19440

Ion Ratio Lower Upper

178 100

176 19.5 14.8 22.2

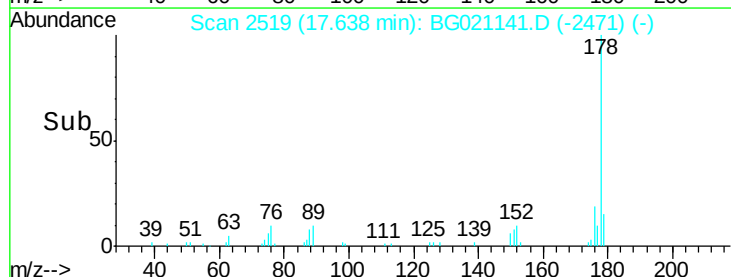
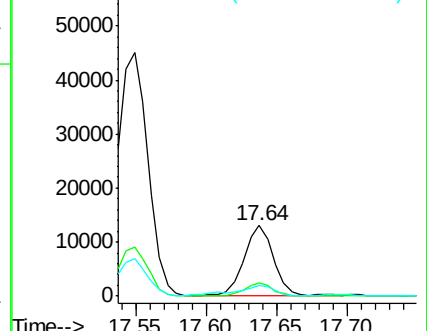
179 14.8 12.6 19.0

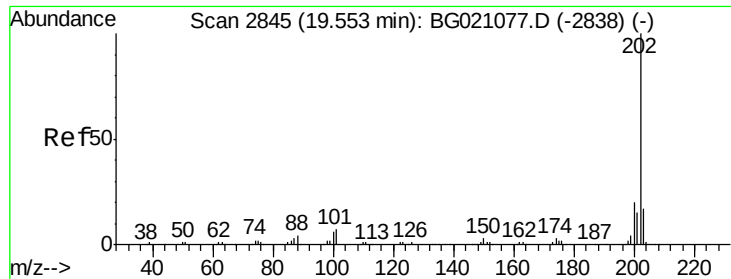


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#74

Fluoranthene

Concen: 55.95 ng

RT: 19.55 min Scan# 2844

Delta R.T. -0.01 min

Lab File: BG021141.D

Acq: 28 Feb 2016 8:06

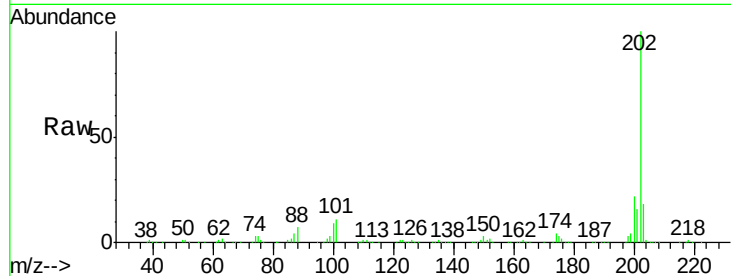
Instrument :

BNA_G

ClientSampleId :

P-03

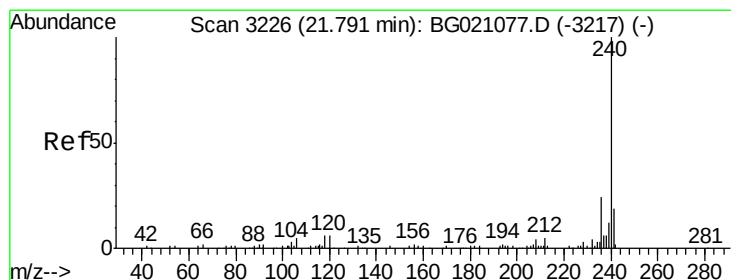
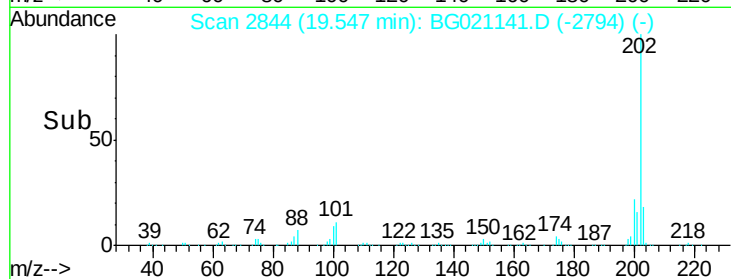
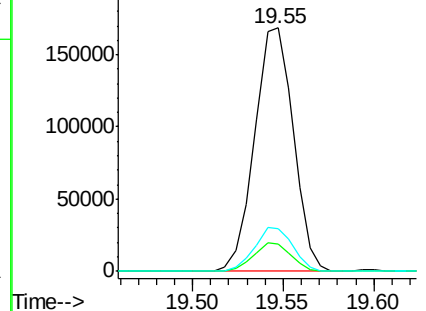
Tgt Ion:	202	Resp:	250522
Ion Ratio	Lower	Upper	
202	100		
101	11.4	0.0	32.5
203	17.7	0.0	37.6



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

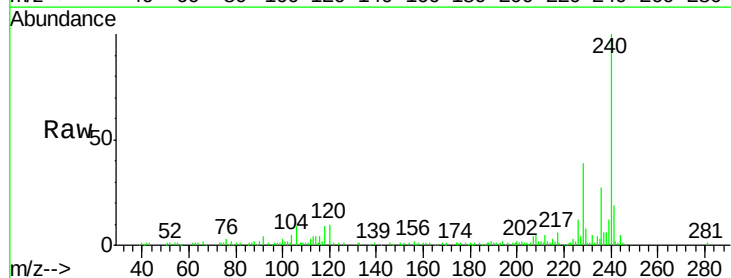
RT: 21.77 min Scan# 3223

Delta R.T. -0.02 min

Lab File: BG021141.D

Acq: 28 Feb 2016 8:06

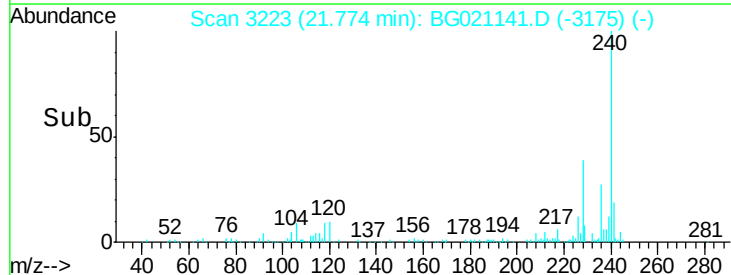
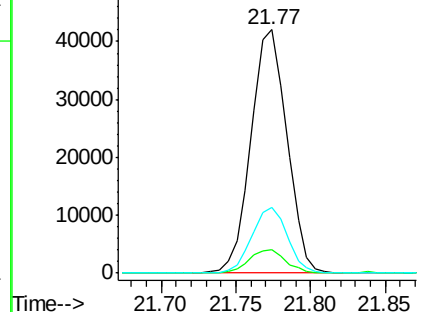
Tgt Ion:	240	Resp:	69973
Ion Ratio	Lower	Upper	
240	100		
120	9.9	7.5	11.3
236	27.1	20.5	30.7

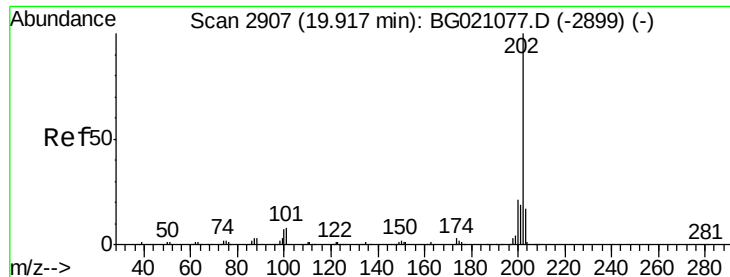


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pyrene

Concen: 63.89 ng

RT: 19.91 min Scan# 2905

Delta R.T. -0.01 min

Lab File: BG021141.D

Acq: 28 Feb 2016 8:06

Instrument :

BNA_G

ClientSampleId :

P-03

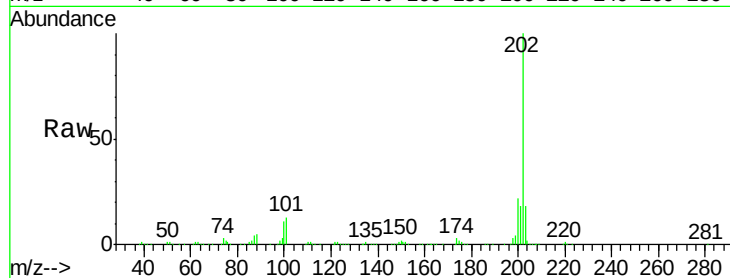
Tgt Ion:202 Resp: 247564

Ion Ratio Lower Upper

202 100

200 21.6 16.6 25.0

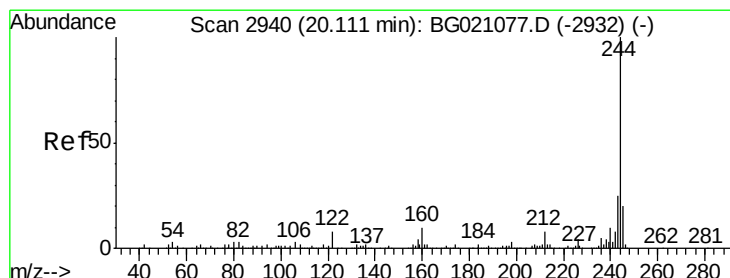
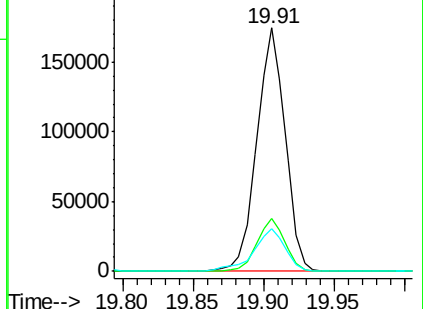
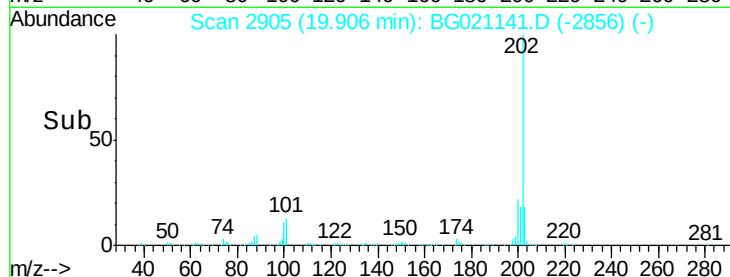
203 17.7 13.8 20.8



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: 82.75 ng

RT: 20.10 min Scan# 2938

Delta R.T. -0.01 min

Lab File: BG021141.D

Acq: 28 Feb 2016 8:06

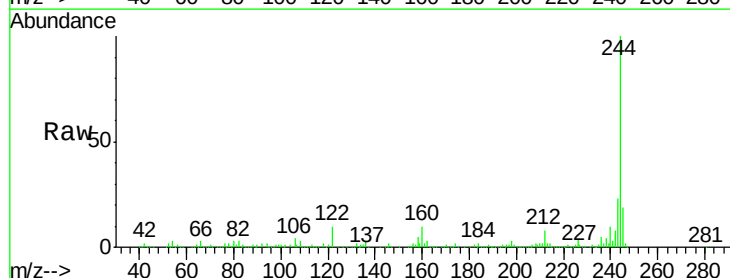
Tgt Ion:244 Resp: 247757

Ion Ratio Lower Upper

244 100

212 8.4 5.8 8.6

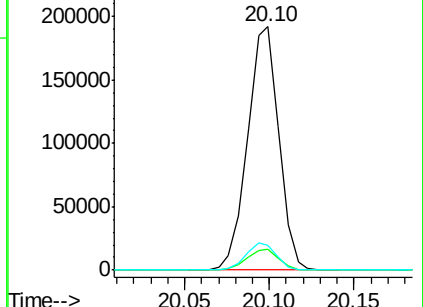
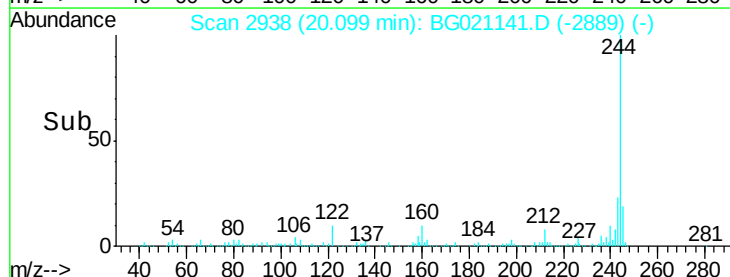
122 10.2 8.3 12.5

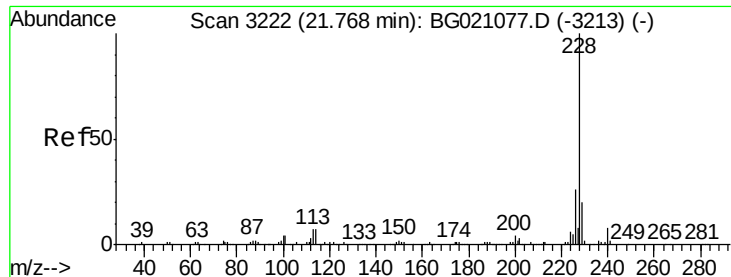


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#80

Benzo(a)anthracene

Concen: 41.67 ng

RT: 21.75 min Scan# 3219

Delta R.T. -0.02 min

Lab File: BG021141.D

Acq: 28 Feb 2016 8:06

Instrument :

BNA_G

ClientSampleId :

P-03

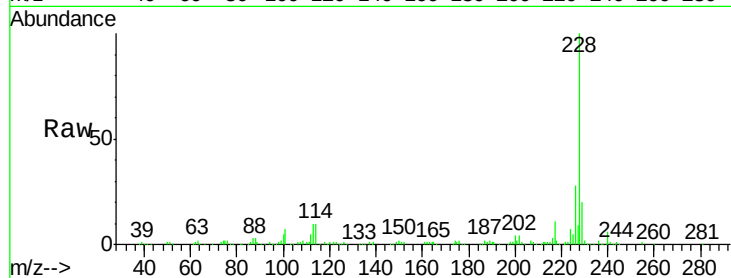
Tgt Ion:228 Resp: 167767

Ion Ratio Lower Upper

228 100

226 27.8 22.7 34.1

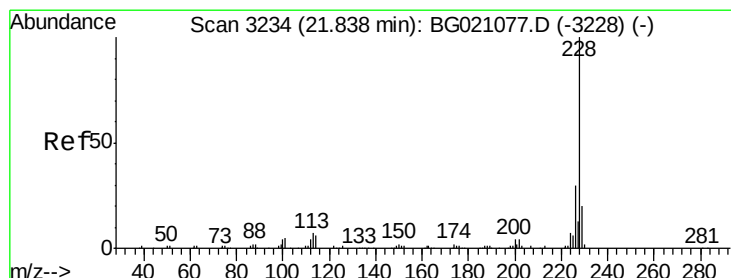
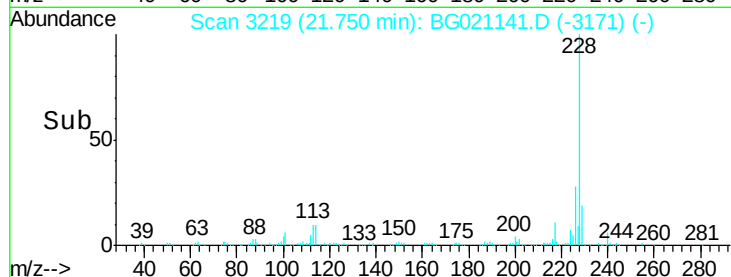
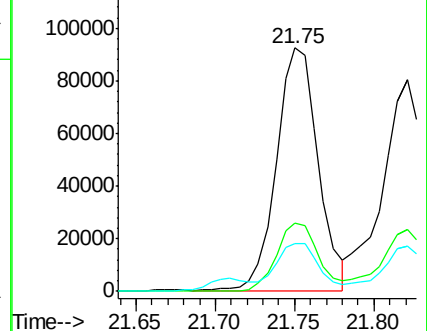
229 19.8 15.5 23.3



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: 37.43 ng

RT: 21.82 min Scan# 3231

Delta R.T. -0.02 min

Lab File: BG021141.D

Acq: 28 Feb 2016 8:06

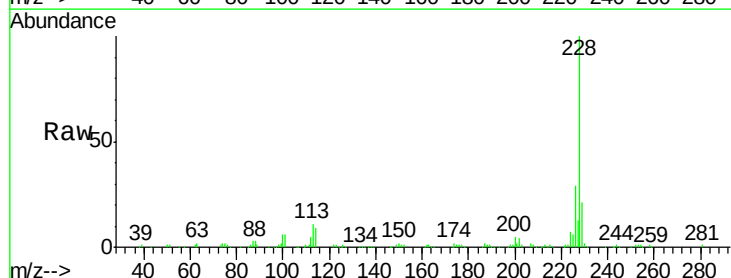
Tgt Ion:228 Resp: 145135

Ion Ratio Lower Upper

228 100

226 29.2 23.7 35.5

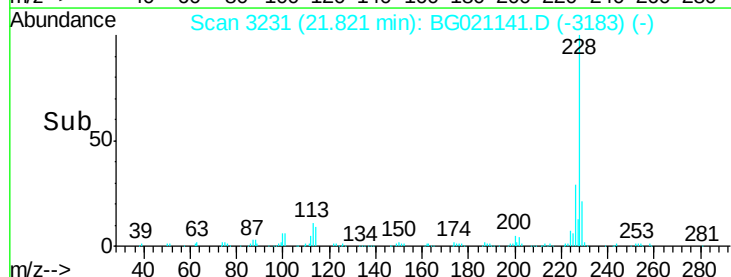
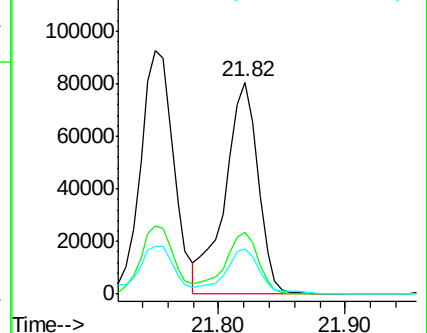
229 21.5 16.7 25.1

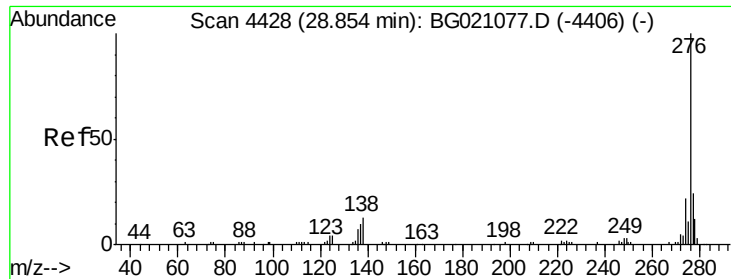


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

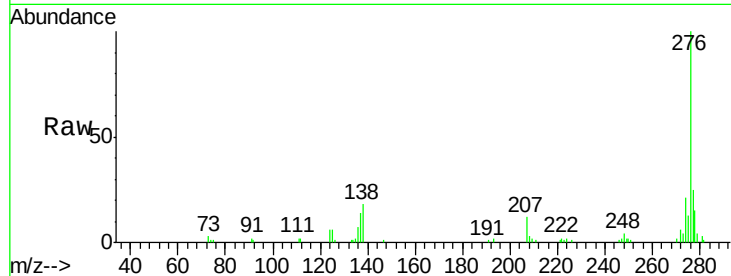




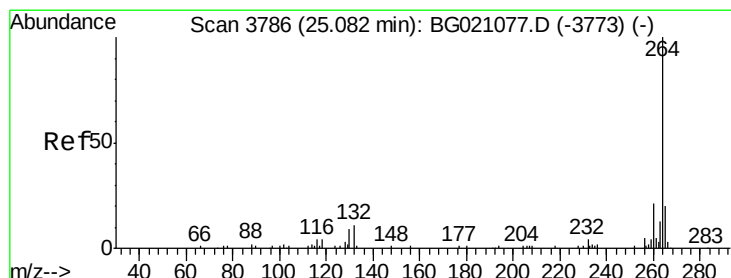
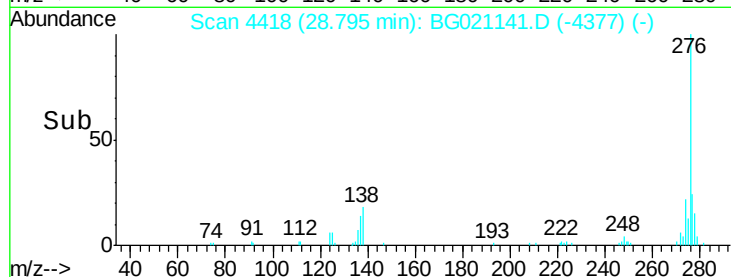
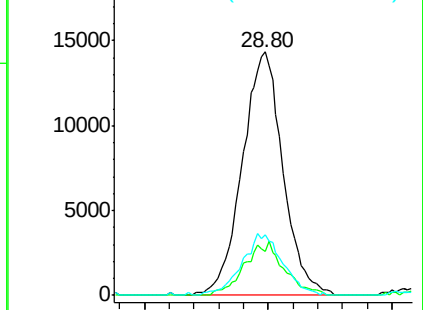
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 13.97 ng
 RT: 28.80 min Scan# 4418
 Delta R.T. -0.06 min
 Lab File: BG021141.D
 Acq: 28 Feb 2016 8:06

Instrument :
 BNA_G
 ClientSampleId :
 P-03

Tgt Ion	Ratio	Lower	Upper
276	100		
138	11.7	0.0	0.0#
277	25.4	0.0	0.0#

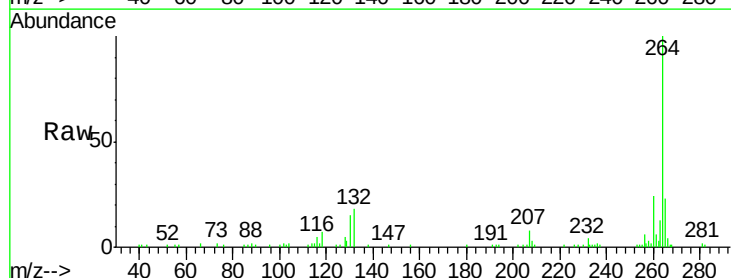


Abundance Ion 276.00 (275.70 to 276.70): E
 Ion 138.00 (137.70 to 138.70): E
 Ion 277.00 (276.70 to 277.70): E

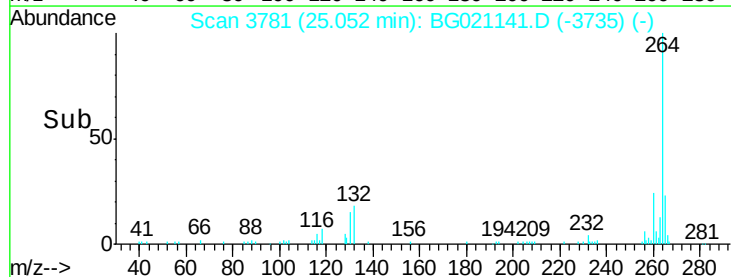
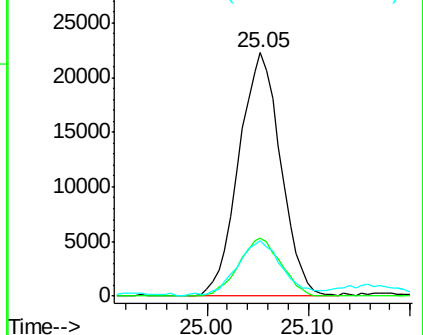


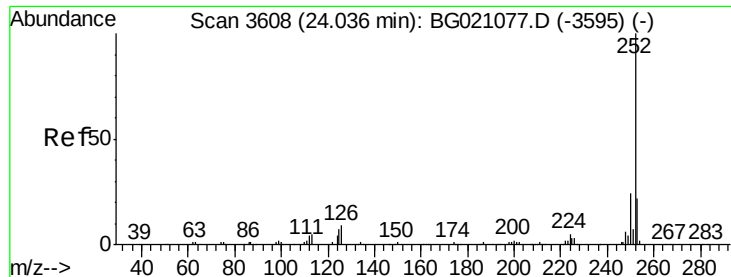
#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 25.05 min Scan# 3781
 Delta R.T. -0.03 min
 Lab File: BG021141.D
 Acq: 28 Feb 2016 8:06

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.8	18.5	27.7
265	22.8	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: 46.63 ng

RT: 24.02 min Scan# 3605

Delta R.T. -0.02 min

Lab File: BG021141.D

Acq: 28 Feb 2016 8:06

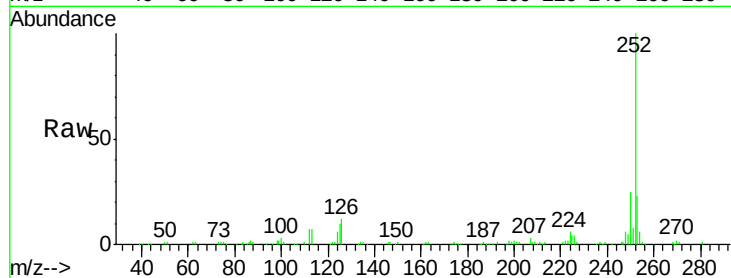
Instrument :

BNA_G

ClientSampleId :

P-03

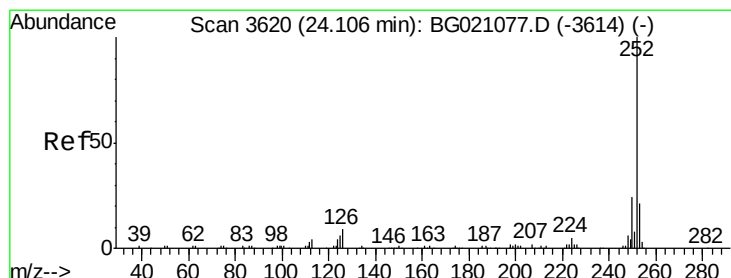
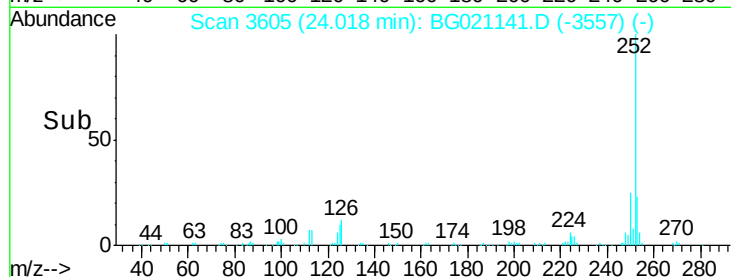
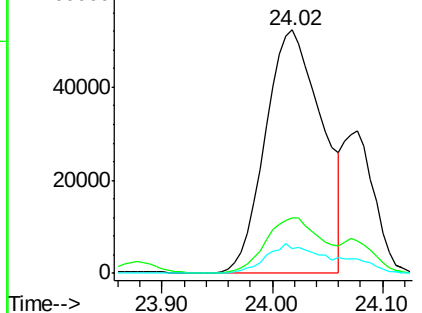
Tgt Ion:	252	Resp:	186251
Ion Ratio	Lower	Upper	
252	100		
253	23.0	16.8	25.2
125	10.3	8.2	12.2



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: 47.31 ng

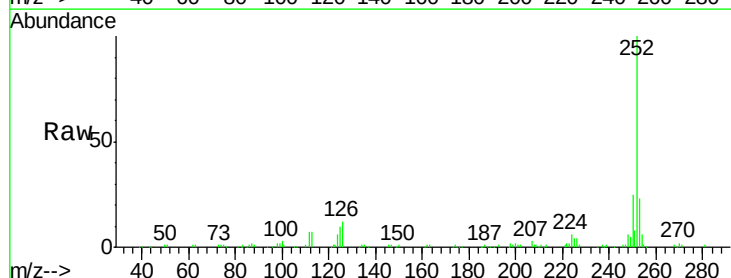
RT: 24.02 min Scan# 3605

Delta R.T. -0.09 min

Lab File: BG021141.D

Acq: 28 Feb 2016 8:06

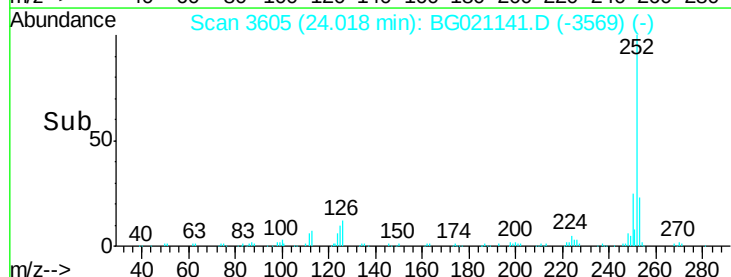
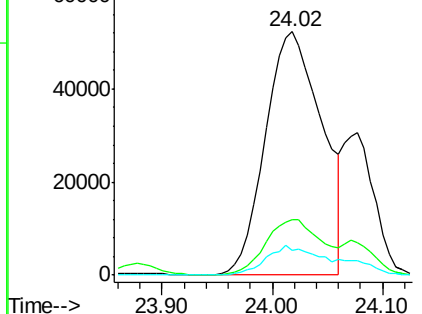
Tgt Ion:	252	Resp:	186251
Ion Ratio	Lower	Upper	
252	100		
253	23.0	16.4	24.6
125	10.3	8.2	12.2

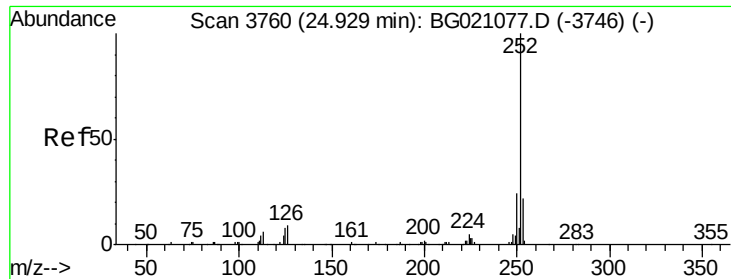


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#89

Benzo(a)pyrene

Concen: 26.62 ng

RT: 24.89 min Scan# 3754

Delta R.T. -0.03 min

Lab File: BG021141.D

Acq: 28 Feb 2016 8:06

Instrument :

BNA_G

ClientSampled :

P-03

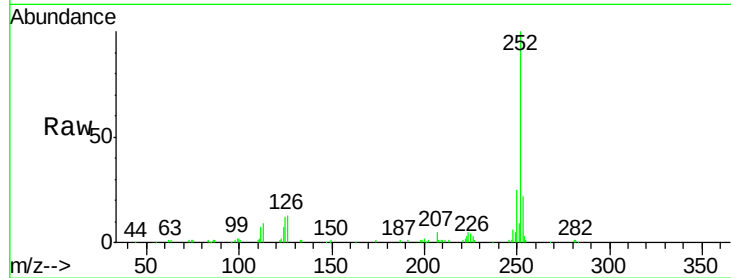
Tgt Ion:252 Resp: 102054

Ion Ratio Lower Upper

252 100

253 22.5 15.8 23.8

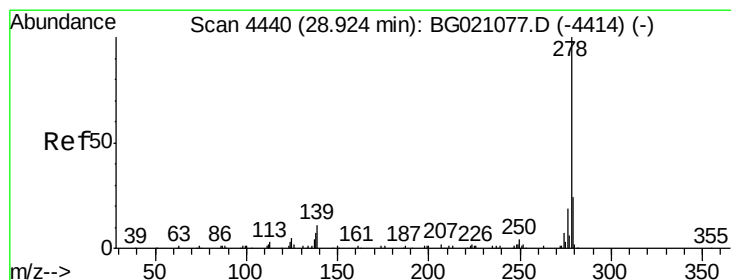
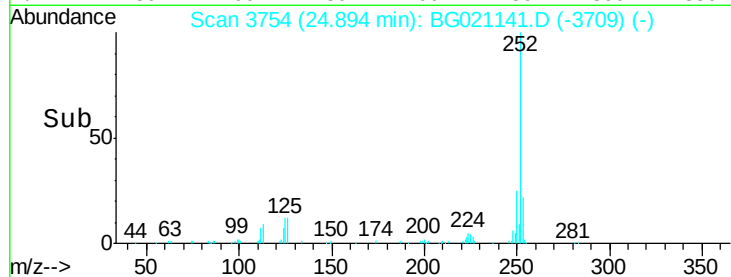
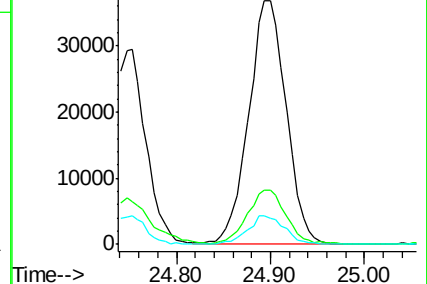
125 11.9 8.4 12.6



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



#90

Dibenzo(a,h)anthracene

Concen: 4.87 ng

RT: 28.83 min Scan# 4424

Delta R.T. -0.09 min

Lab File: BG021141.D

Acq: 28 Feb 2016 8:06

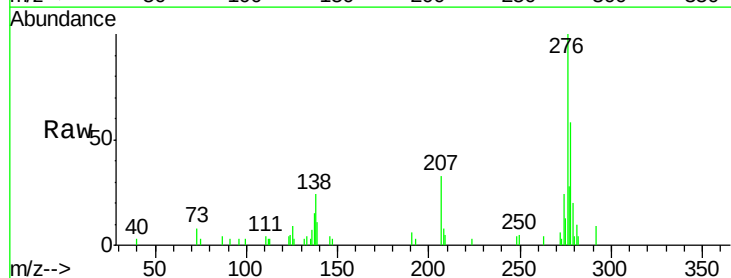
Tgt Ion:278 Resp: 18809

Ion Ratio Lower Upper

278 100

139 19.8 10.6 15.8#

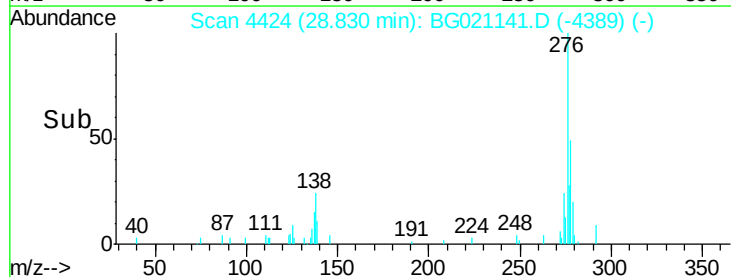
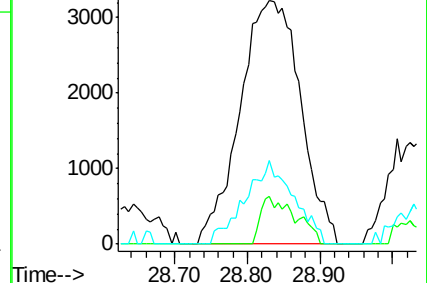
279 34.6 19.7 29.5#

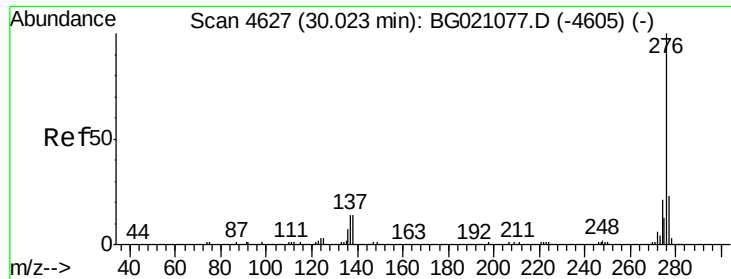


Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E





#91

Benzo(g,h,i)perylene

Concen: 14.84 ng

RT: 29.96 min Scan# 4616

Delta R.T. -0.06 min

Lab File: BG021141.D

Acq: 28 Feb 2016 8:06

Instrument :

BNA_G

ClientSampleId :

P-03

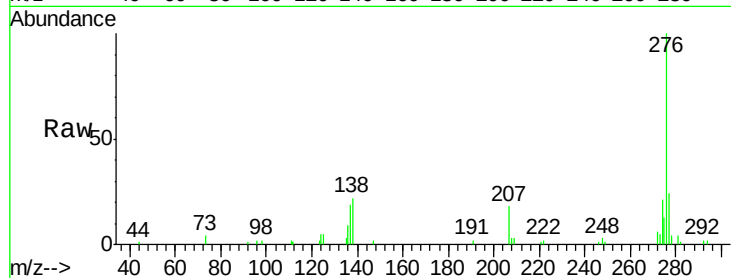
Tgt Ion: 276 Resp: 55234

Ion Ratio Lower Upper

276 100

277 23.8 16.6 25.0

138 21.5 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

