

Data Path : Z:\HPCHEM1\BNA G\DATA\BG022316\
 Data File : BG021047.D
 Acq On : 24 Feb 2016 5:13
 Operator : UM/SJ
 Sample : H1551-02
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Feb 24 06:50:50 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

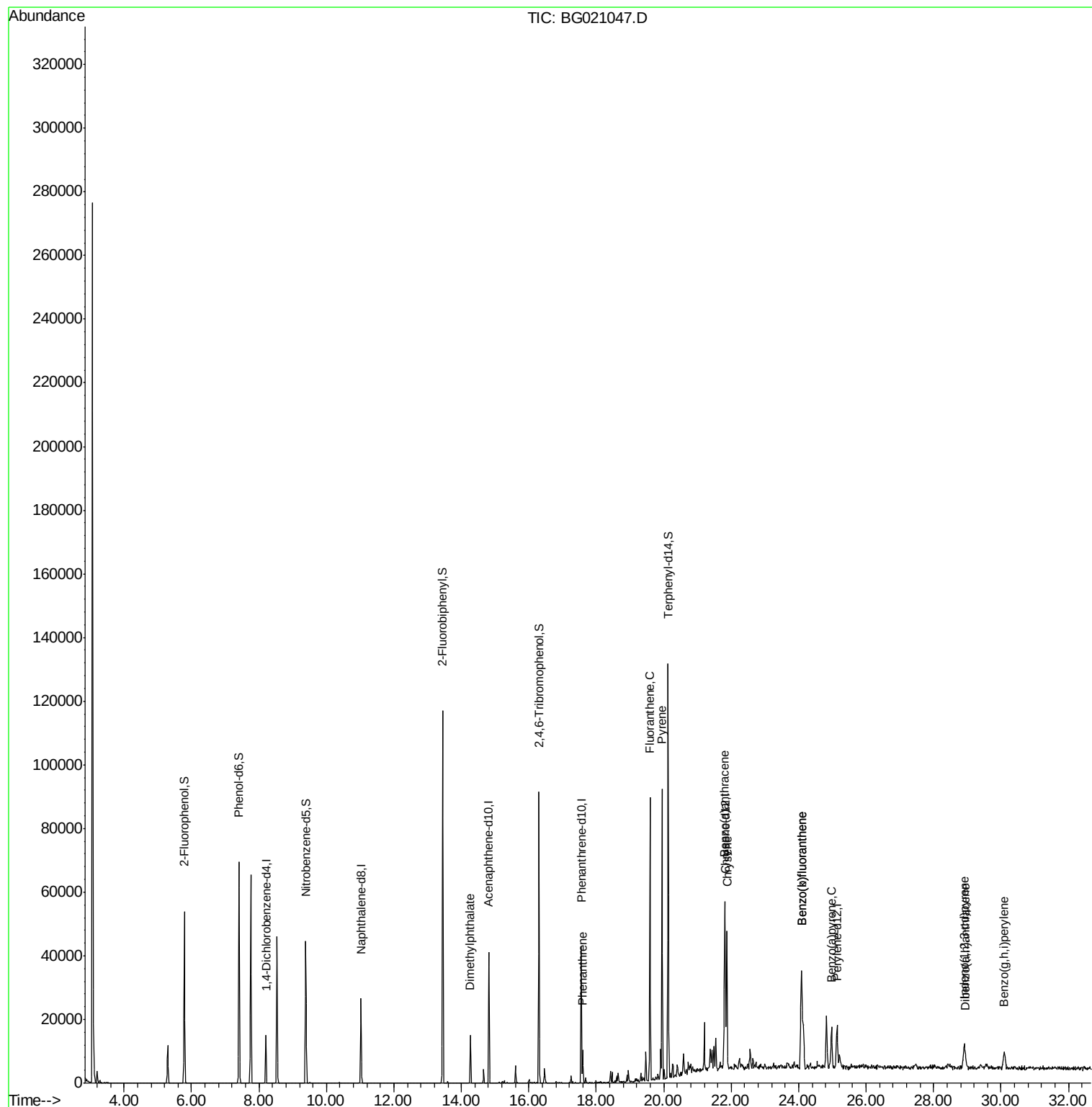
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.20	152	4508	20.00	ng	0.00
21) Naphthalene-d8	11.03	136	24798	20.00	ng	0.00
38) Acenaphthene-d10	14.82	164	14030	20.00	ng	0.00
63) Phenanthrene-d10	17.55	188	26324	20.00	ng	0.00
75) Chrysene-d12	21.82	240	17979	20.00	ng	0.00
86) Perylene-d12	25.14	264	16940	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.79	112	26567	103.32	ng	0.00
7) Phenol-d6	7.41	99	42991	108.56	ng	0.00
23) Nitrobenzene-d5	9.39	82	28118	66.57	ng	0.00
41) 2,4,6-Tribromophenol	16.31	330	15827	94.17	ng	0.00
44) 2-Fluorobiphenyl	13.45	172	60873	60.40	ng	0.00
78) Terphenyl-d14	20.13	244	52953	38.22	ng	0.00
Target Compounds						Qvalue
49) Dimethylphthalate	14.27	163	10703	9.36	ng	# 97
70) Phenanthrene	17.59	178	7114	4.78	ng	93
74) Fluoranthene	19.59	202	53508	35.73	ng	98
77) Pyrene	19.95	202	52878	25.74	ng	99
80) Benzo(a)anthracene	21.80	228	32684	30.32	ng	98
82) Chrysene	21.87	228	29960	29.79	ng	99
85) Indeno(1,2,3-cd)pyrene	28.91	276	13993	15.47	ng	# 100
87) Benzo(b)fluoranthene	24.08	252	39445	35.32	ng	99
88) Benzo(k)fluoranthene	24.08	252	39445	37.44	ng	98
89) Benzo(a)pyrene	24.97	252	14653	14.64	ng	96
90) Dibenzo(a,h)anthracene	28.96	278	4309	4.78	ng	# 87
91) Benzo(a,h,i)perylene	30.09	276	11561	12.85	ng	# 87

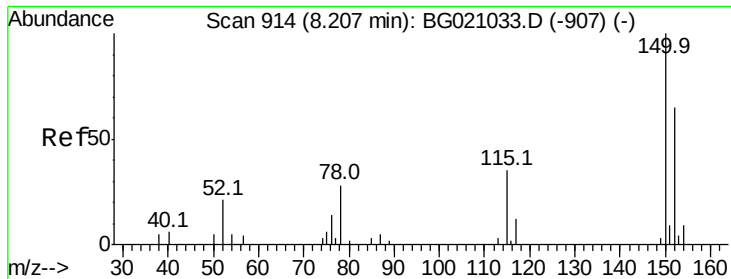
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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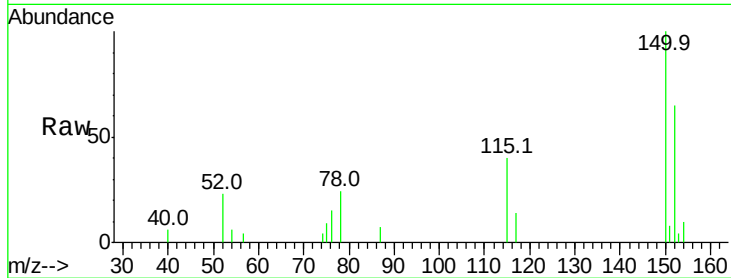


#1

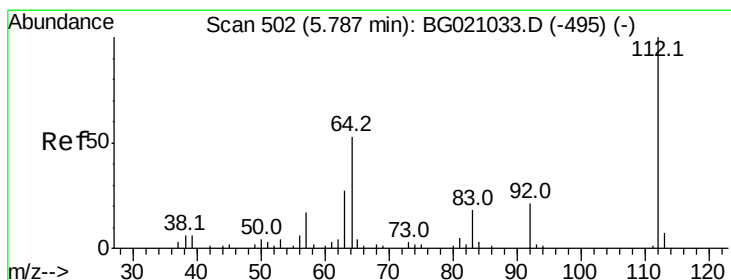
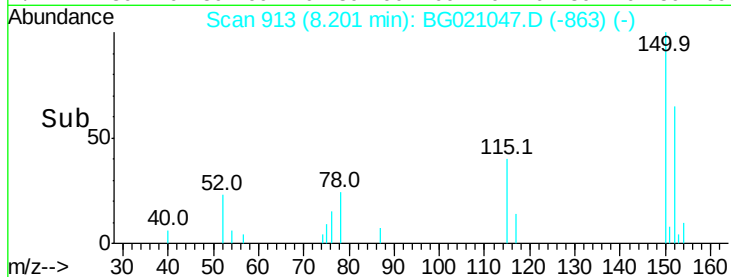
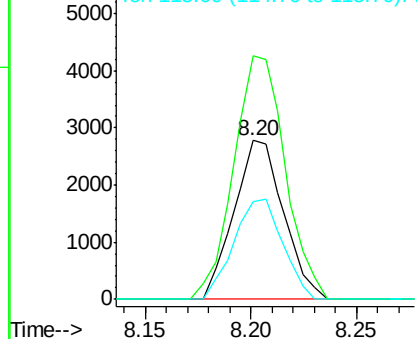
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 8.20 min Scan# 913
Delta R.T. -0.01 min
Lab File: BG021047.D
Acq: 24 Feb 2016 5:13

Instrument :
BNA_G
ClientSampled :

Tot Ion:152 Resp: 4508
Ion Ratio Lower Upper
152 100
150 153.2 123.4 185.2
115 61.8 43.3 64.9



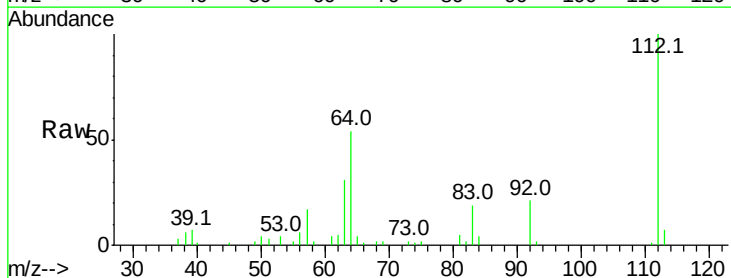
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



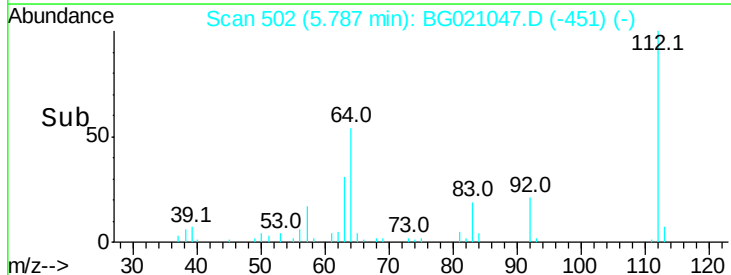
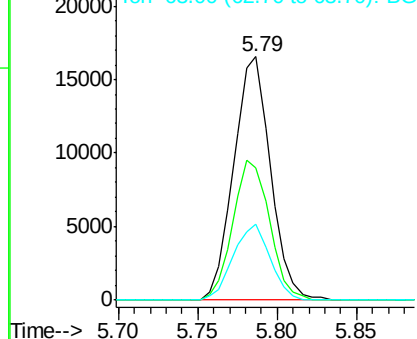
#5

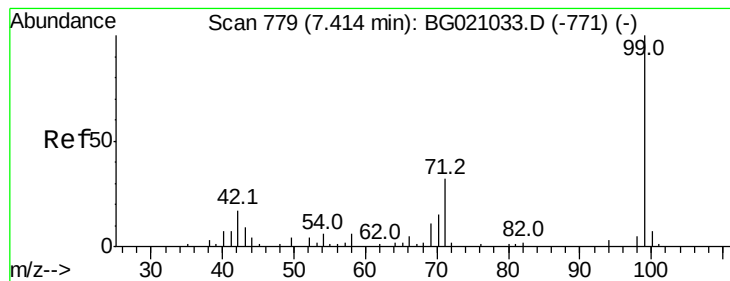
2-Fluorophenol
Concen: 103.32 ng
RT: 5.79 min Scan# 502
Delta R.T. -0.00 min
Lab File: BG021047.D
Acq: 24 Feb 2016 5:13

Tgt Ion:112 Resp: 26567
Ion Ratio Lower Upper
112 100
64 54.3 42.6 63.8
63 31.1 21.7 32.5



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BGC
Ion 63.00 (62.70 to 63.70): BGC





#7

Phenol-d6

Concen: 108.56 ng

RT: 7.41 min Scan# 778

Delta R.T. -0.01 min

Lab File: BG021047.D

Acq: 24 Feb 2016 5:13

Instrument :

BNA_G

ClientSampleId :

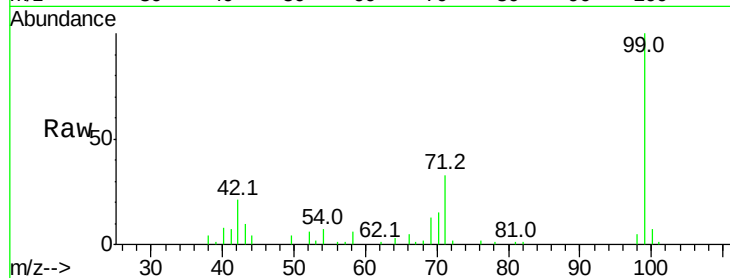
Tot Ion: 99 Resp: 42991

Ion Ratio Lower Upper

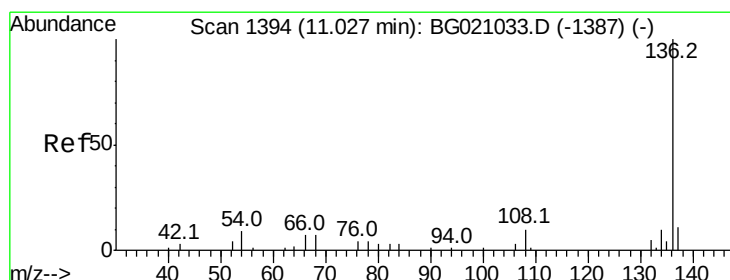
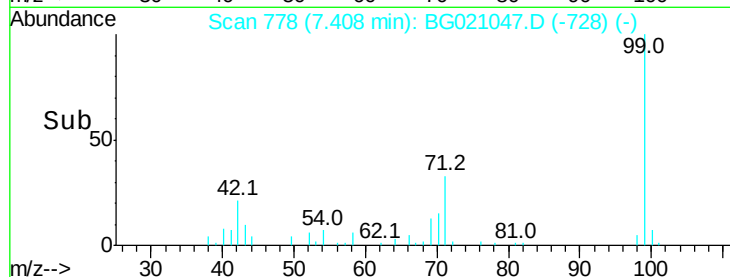
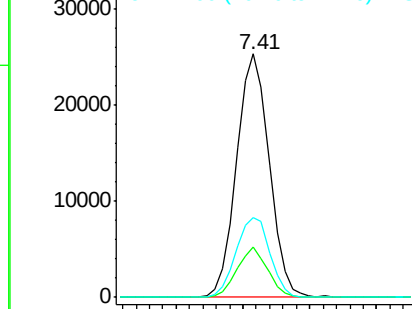
99 100

42 20.6 13.2 19.8#

71 33.0 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# 1394

Delta R.T. -0.00 min

Lab File: BG021047.D

Acq: 24 Feb 2016 5:13

Tgt Ion: 136 Resp: 24798

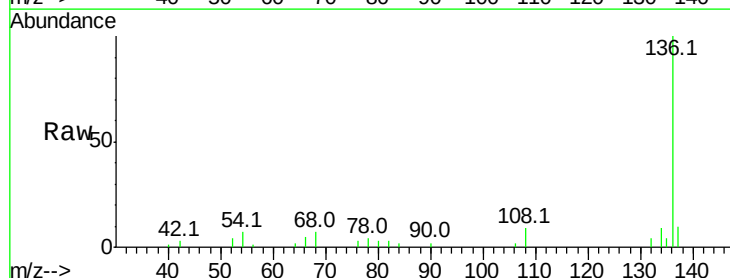
Ion Ratio Lower Upper

136 100

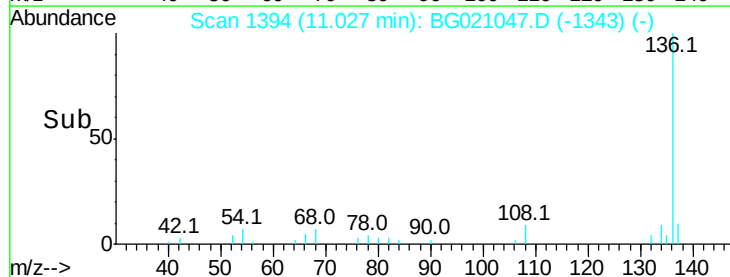
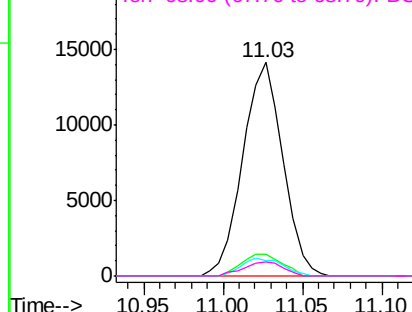
137 10.4 8.8 13.2

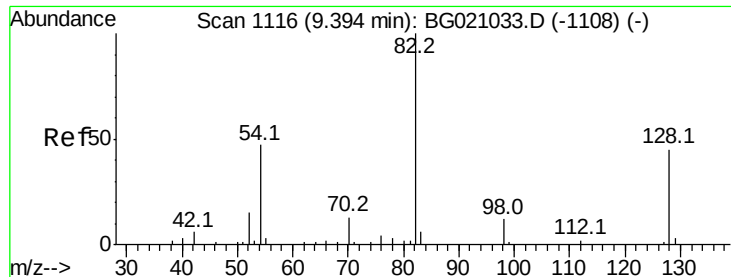
54 7.5 6.9 10.3

68 6.9 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

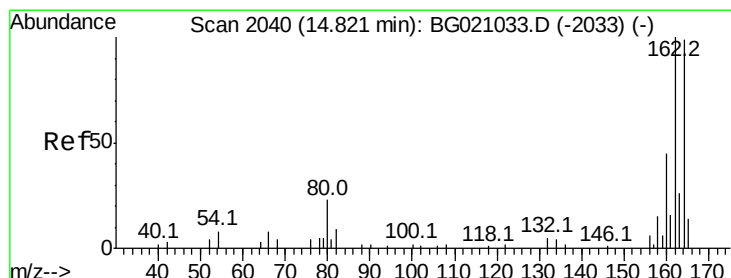
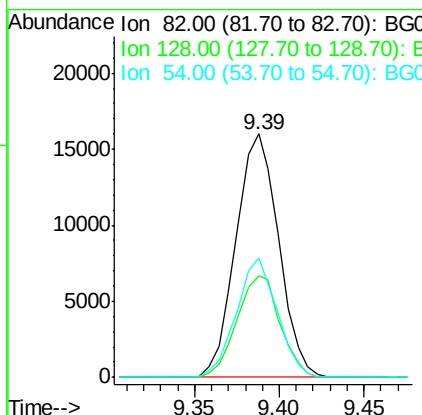
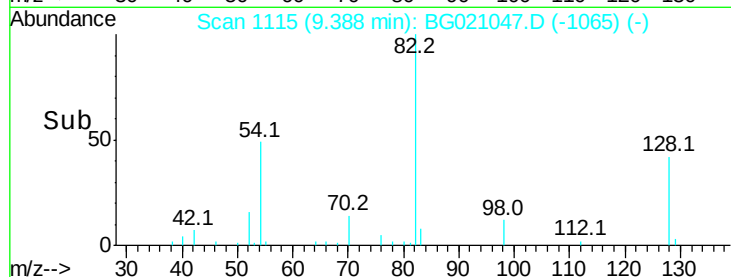
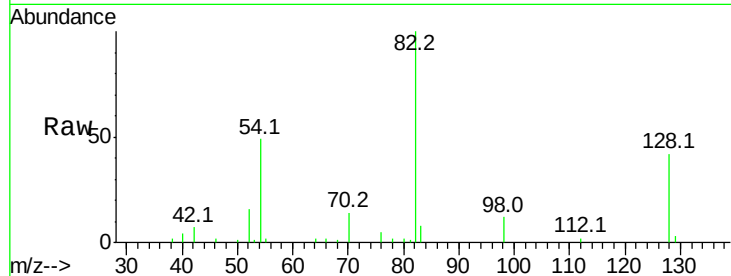




#23
Nitrobenzene-d5
Concen: 66.57 ng
RT: 9.39 min Scan# 1115
Delta R.T. -0.01 min
Lab File: BG021047.D
Acq: 24 Feb 2016 5:13

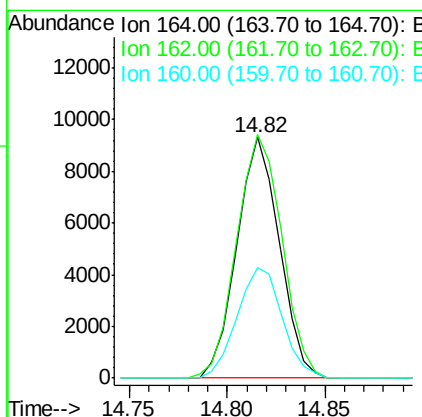
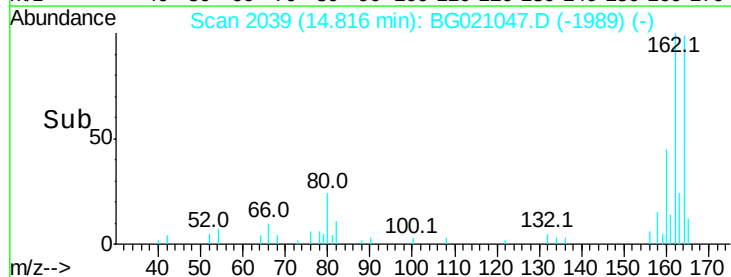
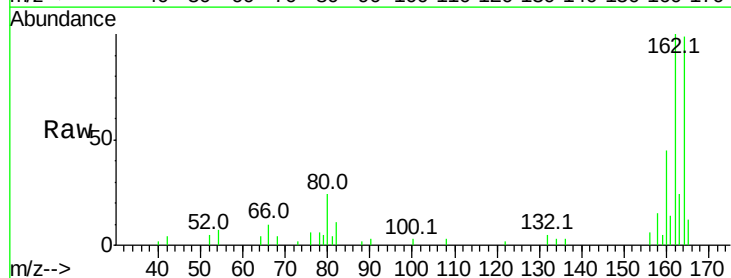
Instrument :
BNA_G
ClientSampleId :

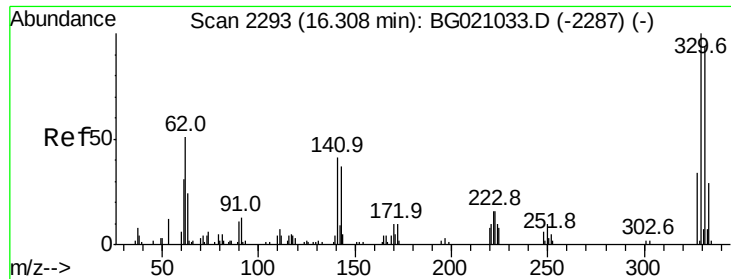
Tot Ion	Ratio	Lower	Upper
82	100		
128	41.5	36.3	54.5
54	49.0	37.6	56.4



#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 14.82 min Scan# 2039
Delta R.T. -0.01 min
Lab File: BG021047.D
Acq: 24 Feb 2016 5:13

Tgt Ion	Ratio	Lower	Upper
164	100		
162	101.0	80.6	120.8
160	45.8	36.5	54.7





#41

2,4,6-Tribromophenol

Concen: 94.17 ng

RT: 16.31 min Scan# 2293

Delta R.T. -0.00 min

Lab File: BG021047.D

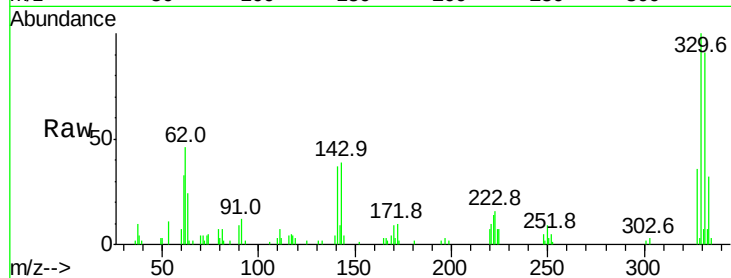
Acq: 24 Feb 2016 5:13

Instrument :

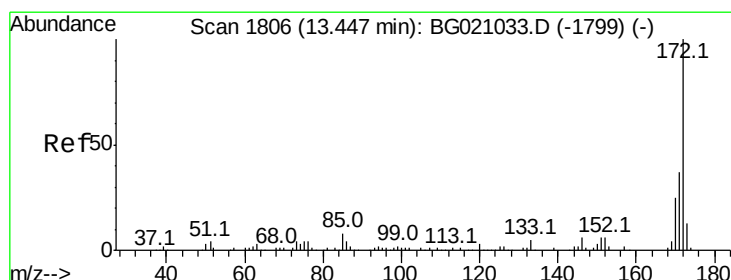
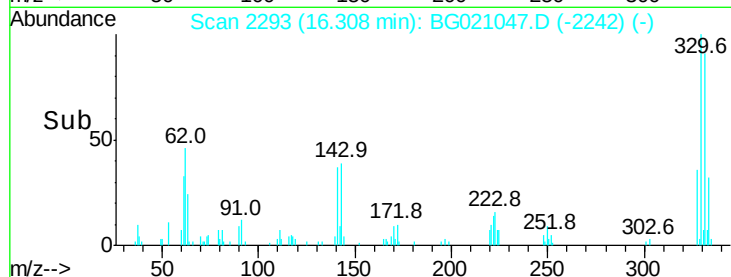
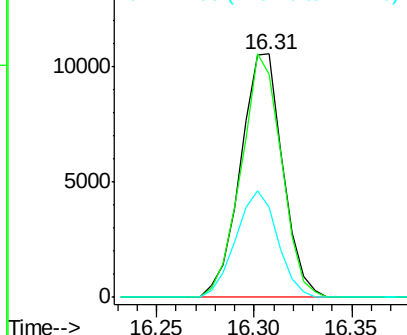
BNA_G

ClientSampleId :

Tot Ion:	330	Resp:	15827
Ion	Ratio	Lower	Upper
330	100		
332	95.2	77.4	116.0
141	42.9	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: 60.40 ng

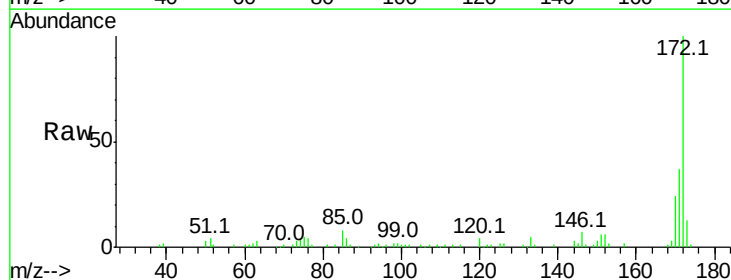
RT: 13.45 min Scan# 1806

Delta R.T. -0.00 min

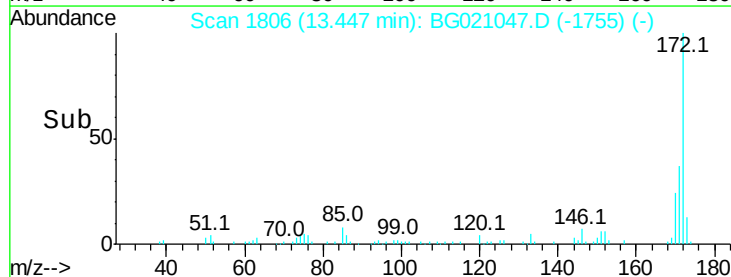
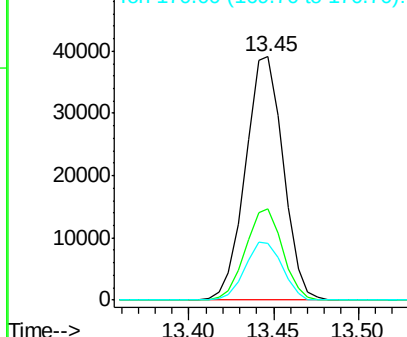
Lab File: BG021047.D

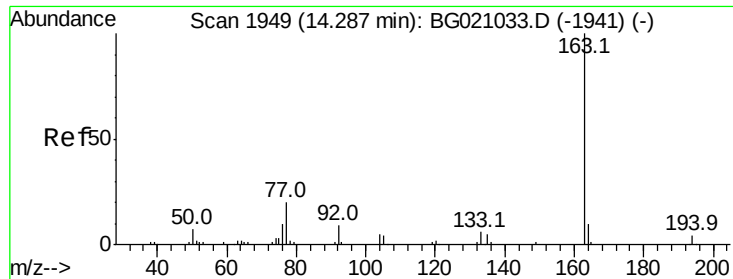
Acq: 24 Feb 2016 5:13

Tgt Ion:	172	Resp:	60873
Ion	Ratio	Lower	Upper
172	100		
171	37.4	29.4	44.0
170	23.5	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

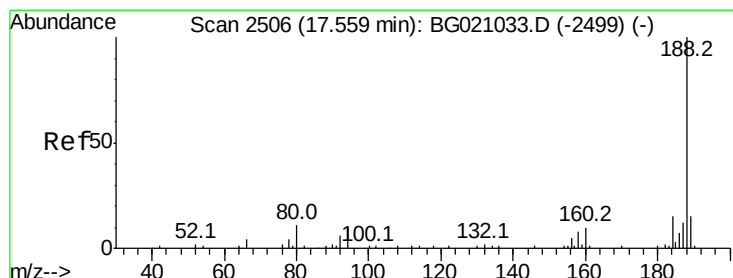
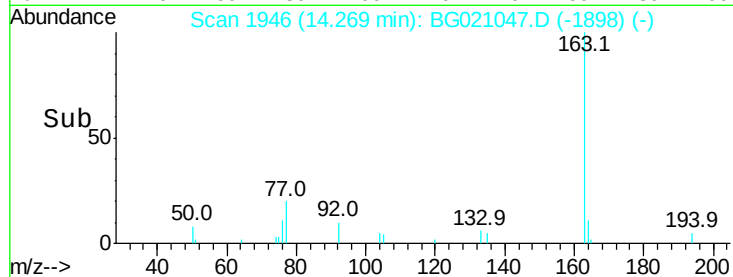
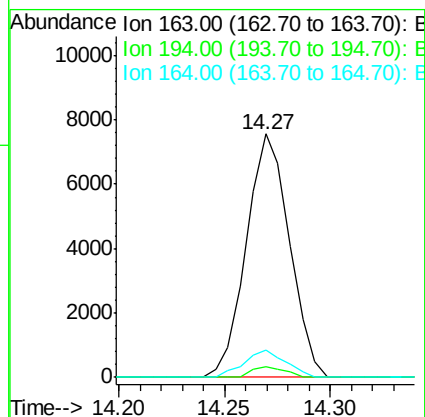
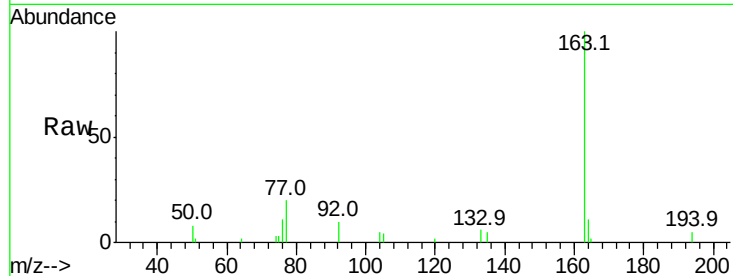




#49
Dimethylphthalate
Concen: 9.36 ng
RT: 14.27 min Scan# 1946
Delta R.T. -0.02 min
Lab File: BG021047.D
Acq: 24 Feb 2016 5:13

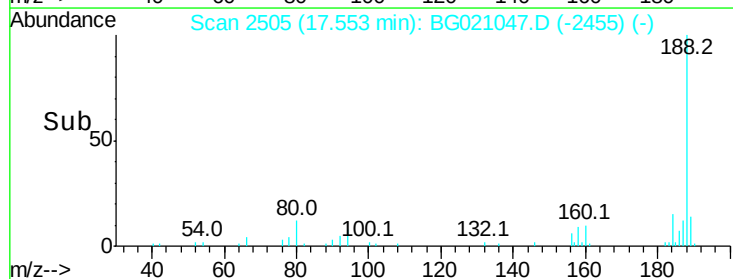
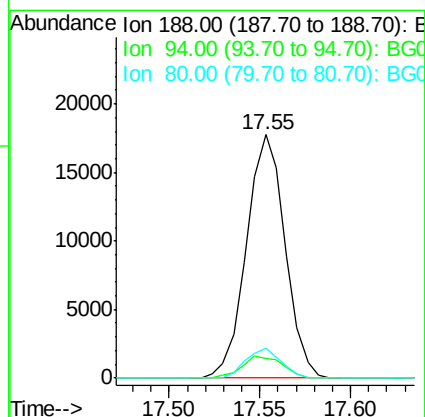
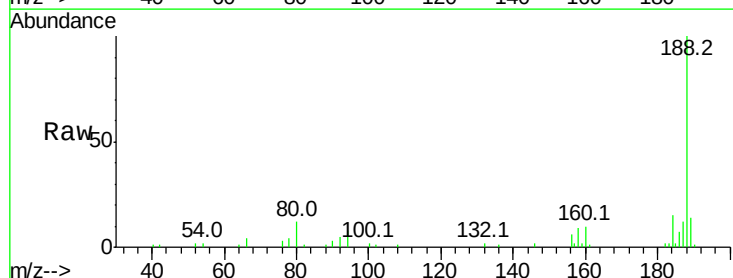
Instrument :
BNA_G
ClientSampleId :

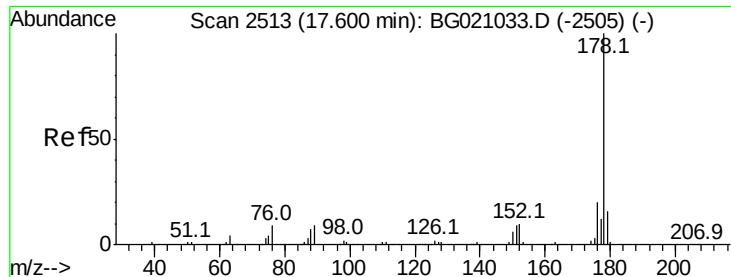
Tot Ion:163 Resp: 10703
Ion Ratio Lower Upper
163 100
194 4.6 2.8 4.2#
164 11.0 7.9 11.9



#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 17.55 min Scan# 2505
Delta R.T. -0.01 min
Lab File: BG021047.D
Acq: 24 Feb 2016 5:13

Tgt Ion:188 Resp: 26324
Ion Ratio Lower Upper
188 100
94 8.3 8.2 12.4
80 12.0 9.2 13.8





#70

Phenanthrene

Concen: 4.78 ng

RT: 17.59 min Scan# 2512

Delta R.T. -0.01 min

Lab File: BG021047.D

Acq: 24 Feb 2016 5:13

Instrument :

BNA_G

ClientSampleId :

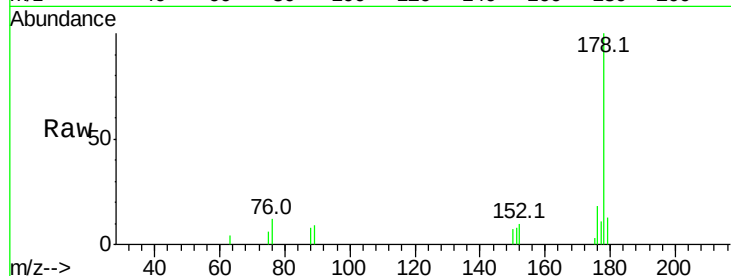
Tot Ion:178 Resp: 7114

Ion Ratio Lower Upper

178 100

176 17.5 16.2 24.4

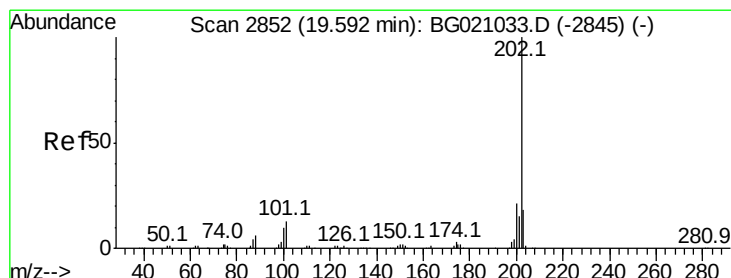
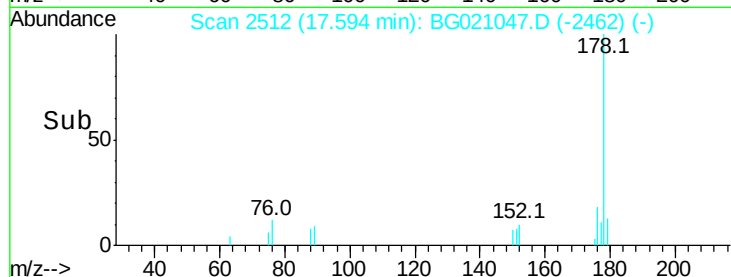
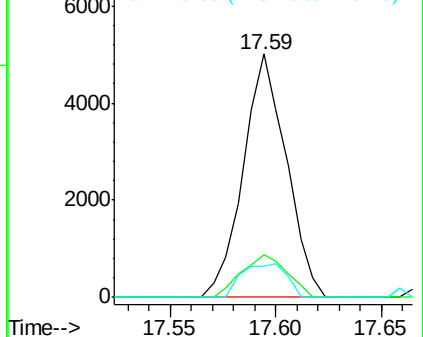
179 13.0 12.9 19.3



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



#74

Fluoranthene

Concen: 35.73 ng

RT: 19.59 min Scan# 2852

Delta R.T. -0.00 min

Lab File: BG021047.D

Acq: 24 Feb 2016 5:13

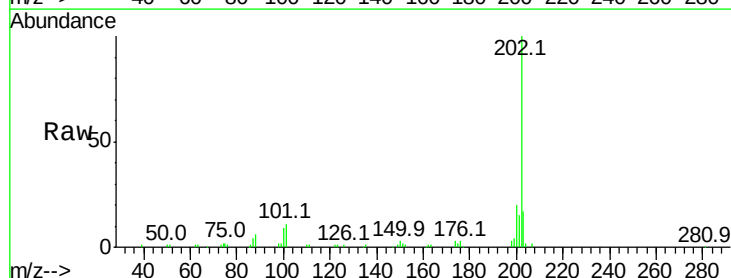
Tgt Ion:202 Resp: 53508

Ion Ratio Lower Upper

202 100

101 11.2 0.0 32.5

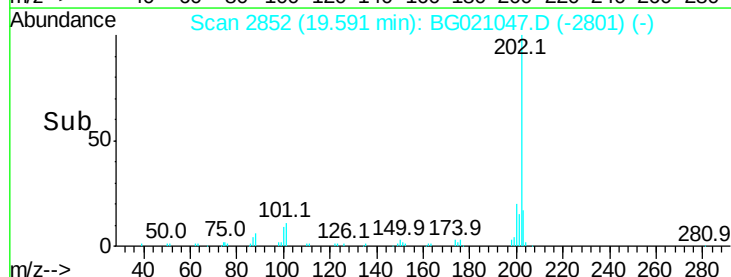
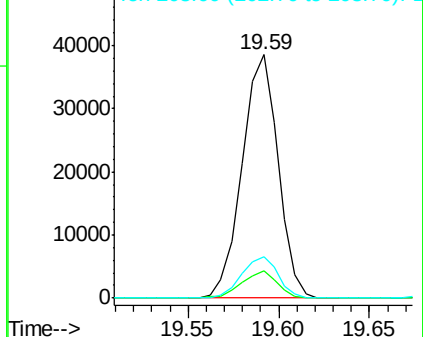
203 17.2 0.0 37.6

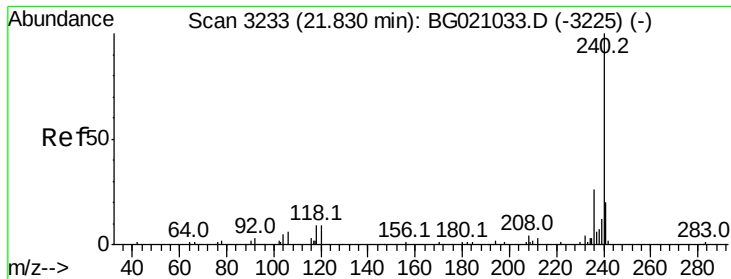


Abundance Ion 202.00 (201.70 to 202.70): E

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: 21.82 min Scan# 3232

Delta R.T. -0.01 min

Lab File: BG021047.D

Acq: 24 Feb 2016 5:13

Instrument :

BNA_G

ClientSampled :

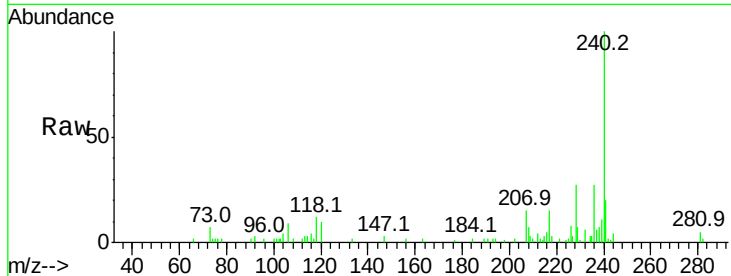
Tot Ion:240 Resp: 17979

Ion Ratio Lower Upper

240 100

120 9.6 7.5 11.3

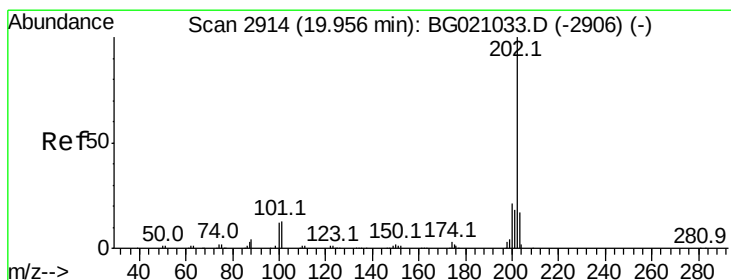
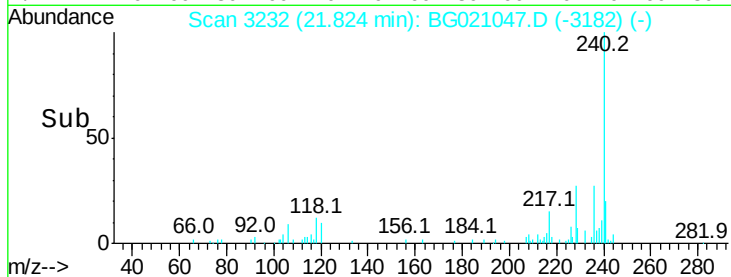
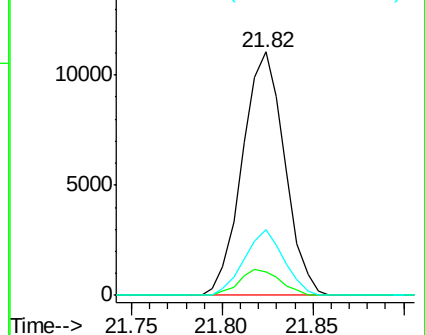
236 26.8 20.5 30.7



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: 25.74 ng

RT: 19.95 min Scan# 2913

Delta R.T. -0.01 min

Lab File: BG021047.D

Acq: 24 Feb 2016 5:13

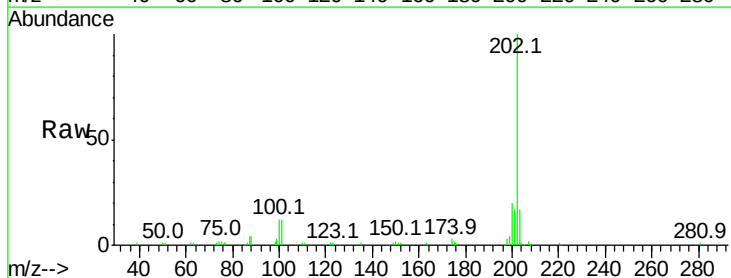
Tgt Ion:202 Resp: 52878

Ion Ratio Lower Upper

202 100

200 20.1 16.6 25.0

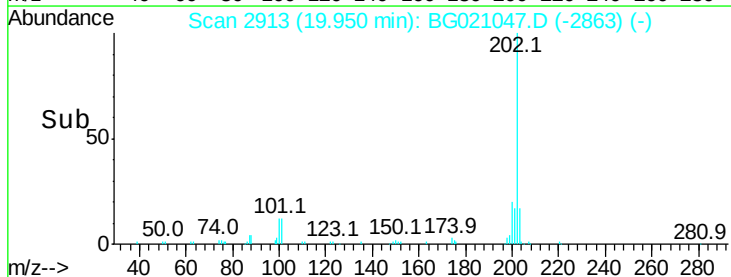
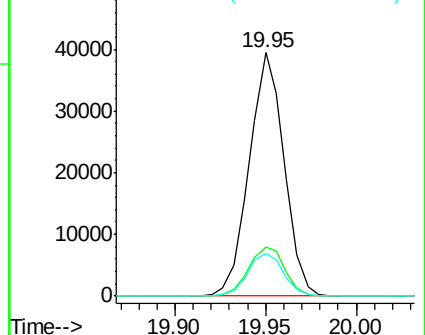
203 17.5 13.8 20.8

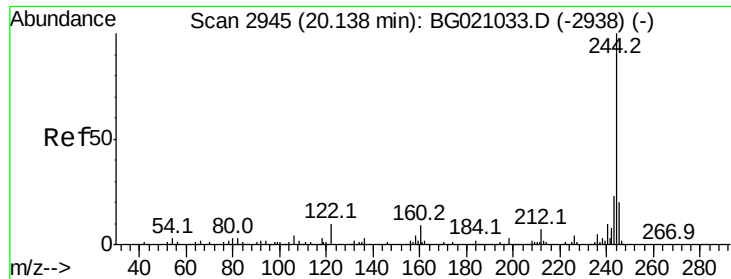


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 38.22 ng

RT: 20.13 min Scan# 2944

Delta R.T. -0.01 min

Lab File: BG021047.D

Acq: 24 Feb 2016 5:13

Instrument :

BNA_G

ClientSampled :

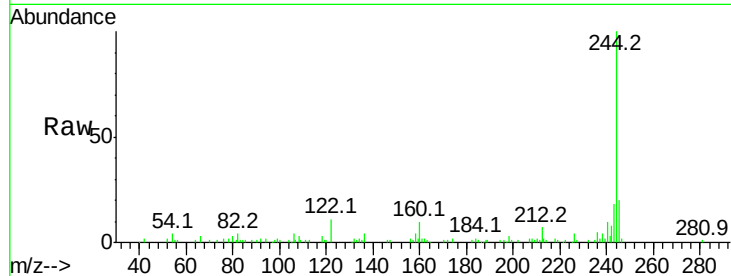
Tot Ion:244 Resp: 52953

Ion Ratio Lower Upper

244 100

212 7.4 5.8 8.6

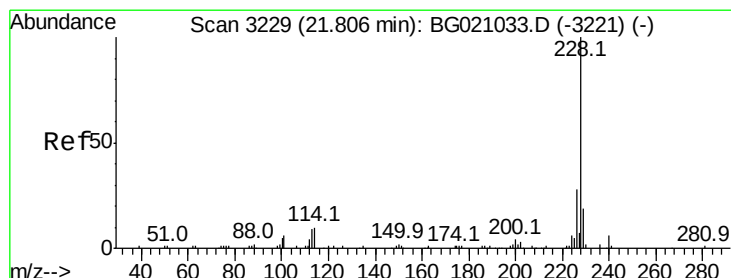
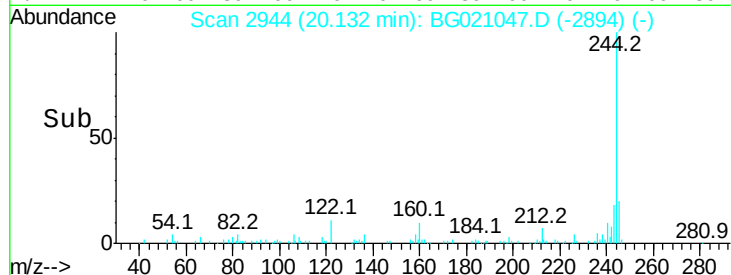
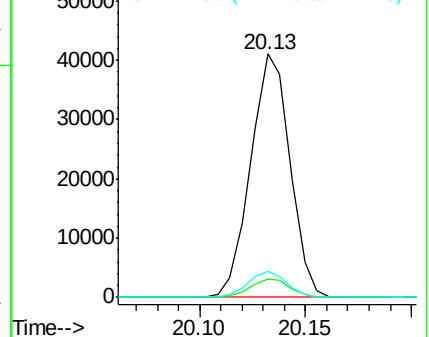
122 10.6 8.3 12.5



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: 30.32 ng

RT: 21.80 min Scan# 3228

Delta R.T. -0.01 min

Lab File: BG021047.D

Acq: 24 Feb 2016 5:13

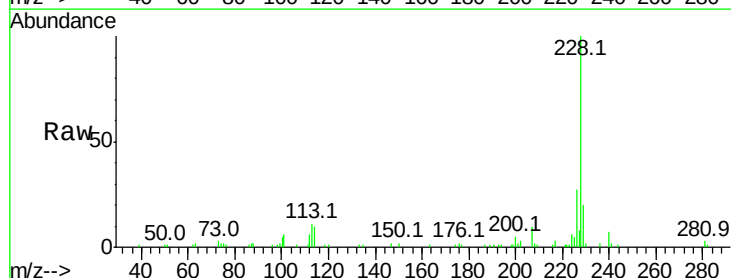
Tgt Ion:228 Resp: 32684

Ion Ratio Lower Upper

228 100

226 27.0 22.7 34.1

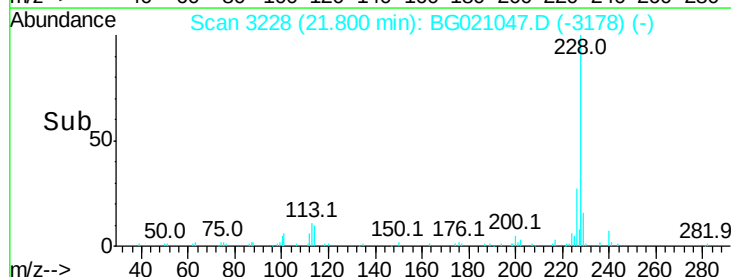
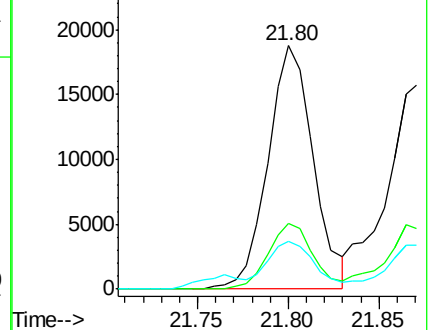
229 19.8 15.5 23.3

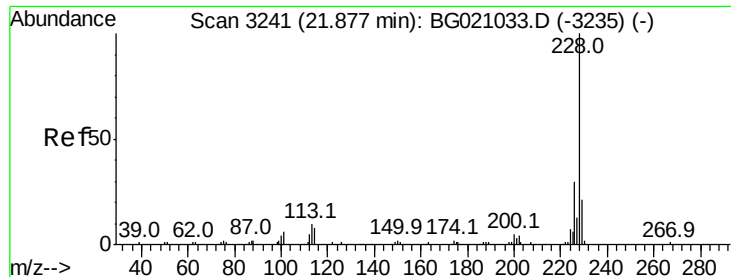


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#82

Chrysene

Concen: 29.79 ng

RT: 21.87 min Scan# 3240

Delta R.T. -0.01 min

Lab File: BG021047.D

Acq: 24 Feb 2016 5:13

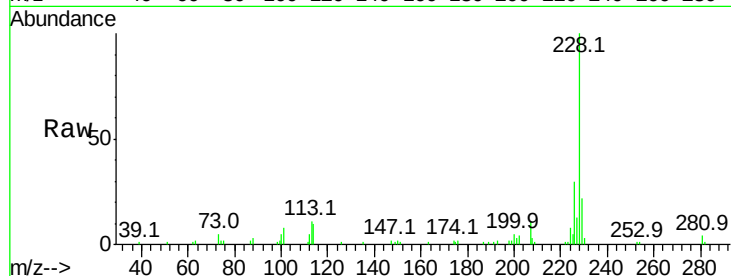
Instrument :

BNA_G

ClientSampleId :

Tot Ion:228 Resp: 29960

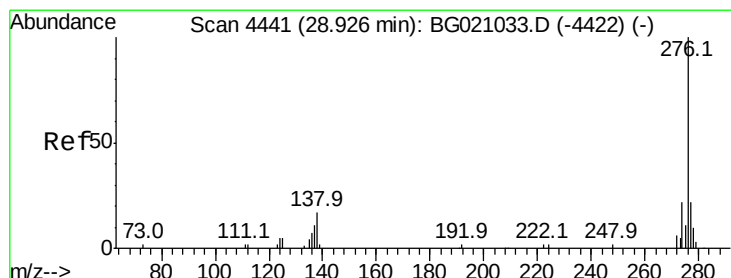
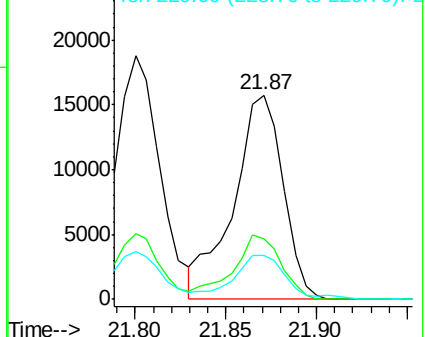
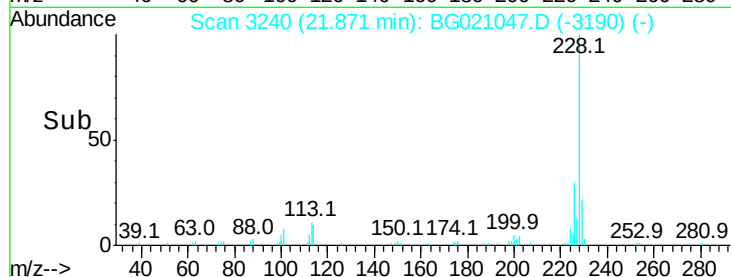
Ion	Ratio	Lower	Upper
228	100		
226	29.8	23.7	35.5
229	21.7	16.7	25.1



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: 15.47 ng

RT: 28.91 min Scan# 4438

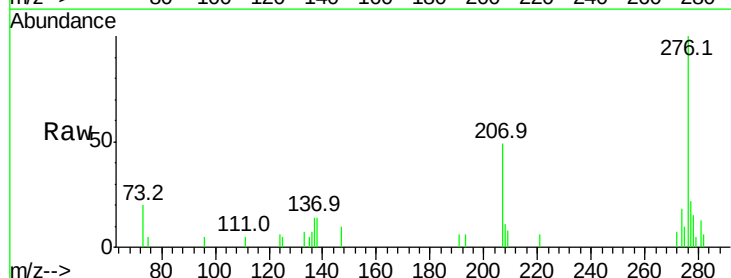
Delta R.T. -0.02 min

Lab File: BG021047.D

Acq: 24 Feb 2016 5:13

Tgt Ion:276 Resp: 13993

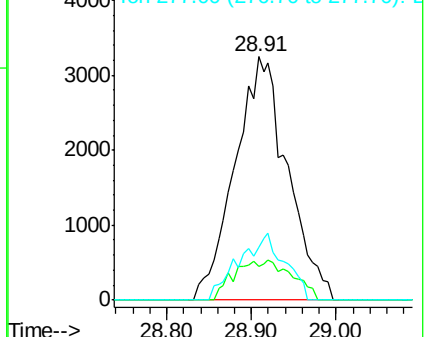
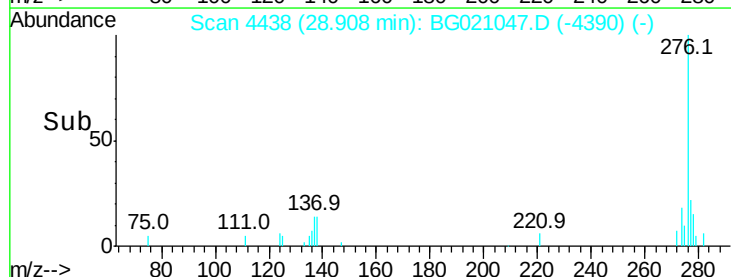
Ion	Ratio	Lower	Upper
276	100		
138	8.3	0.0	0.0#
277	23.8	0.0	0.0#

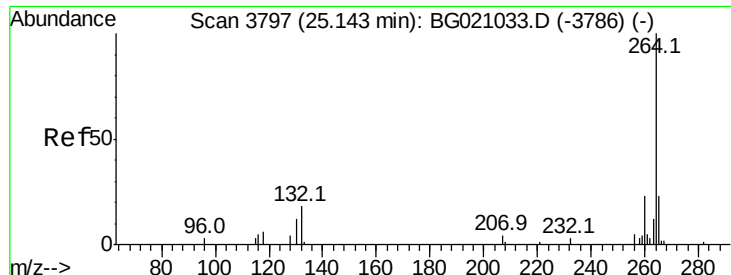


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

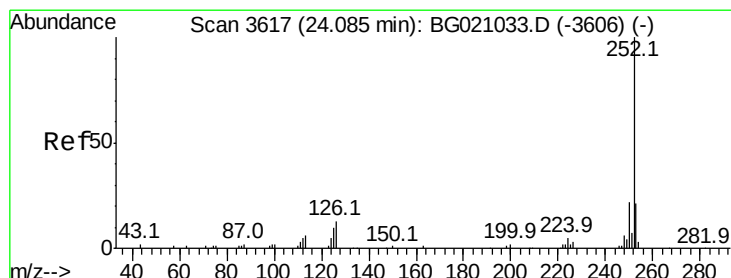
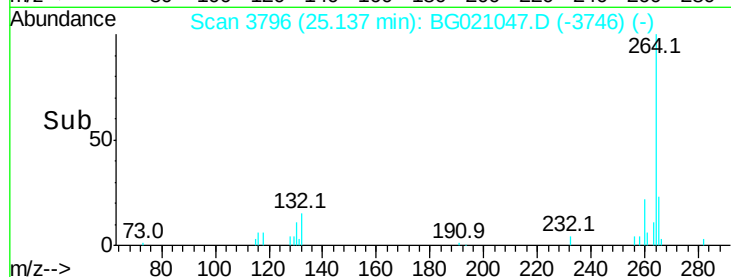
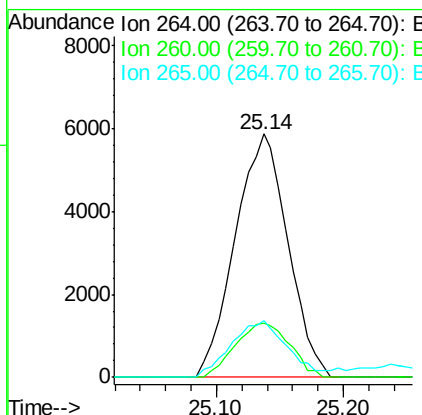
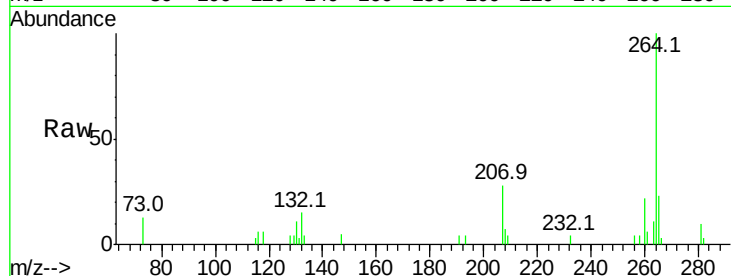




#86
Pervlene-d12
Concen: 20.00 ng
RT: 25.14 min Scan# 3796
Delta R.T. -0.01 min
Lab File: BG021047.D
Acq: 24 Feb 2016 5:13

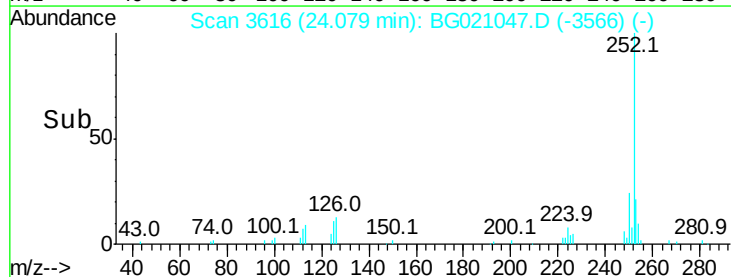
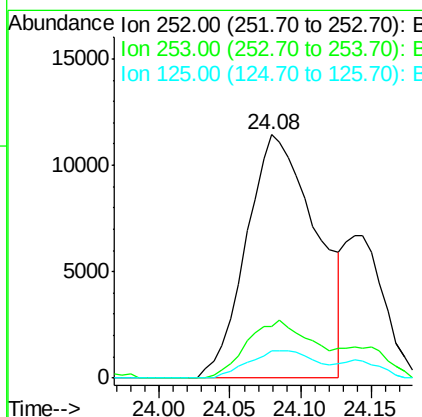
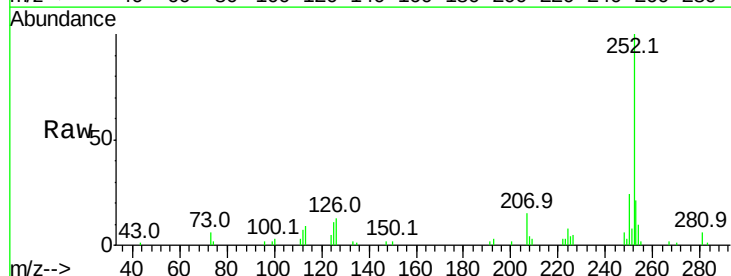
Instrument :
BNA_G
ClientSampleId :

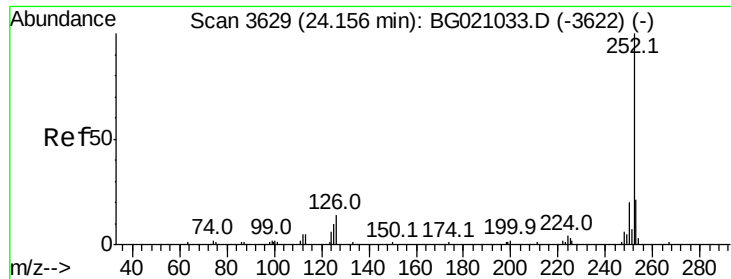
Tot Ion	Ratio	Lower	Upper
264	100		
260	22.2	18.5	27.7
265	23.1	18.6	28.0



#87
Benzo(b)fluoranthene
Concen: 35.32 ng
RT: 24.08 min Scan# 3616
Delta R.T. -0.01 min
Lab File: BG021047.D
Acq: 24 Feb 2016 5:13

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.1	16.8	25.2
125	11.2	8.2	12.2

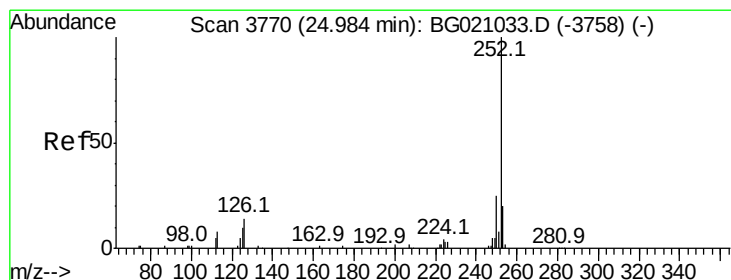
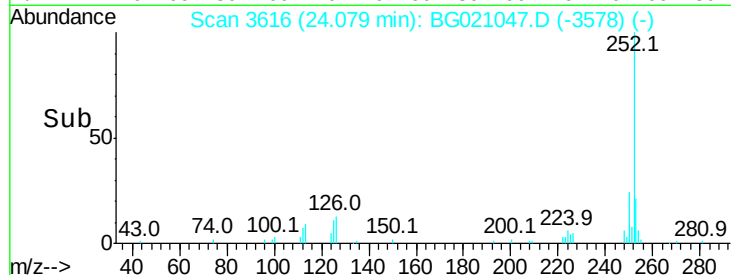
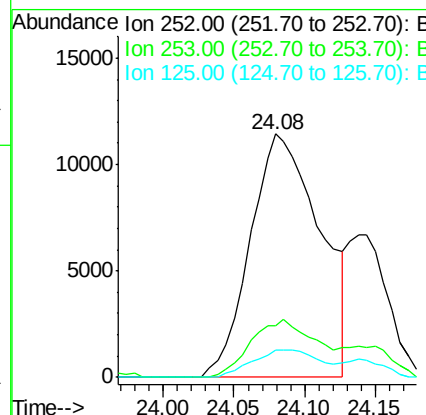
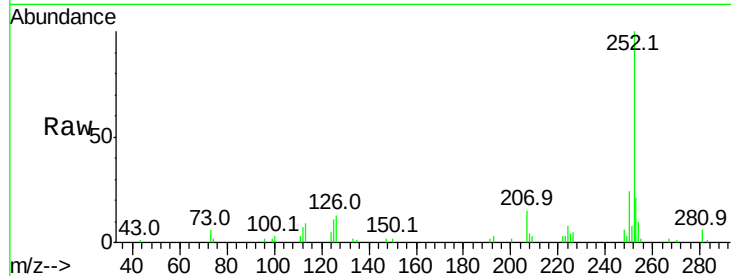




#88
Benzo(k)fluoranthene
Concen: 37.44 ng
RT: 24.08 min Scan# 3616
Delta R.T. -0.08 min
Lab File: BG021047.D
Acq: 24 Feb 2016 5:13

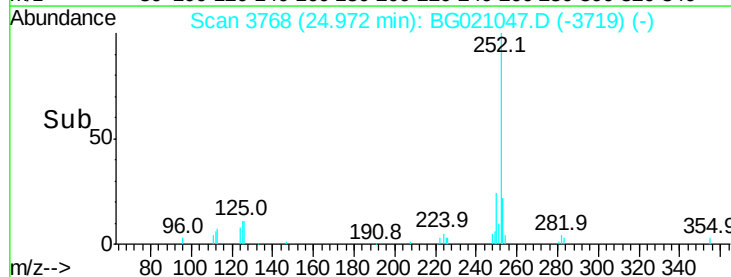
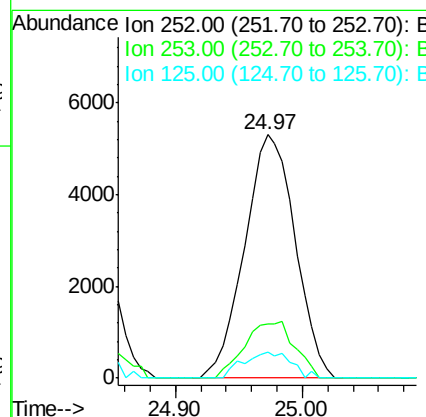
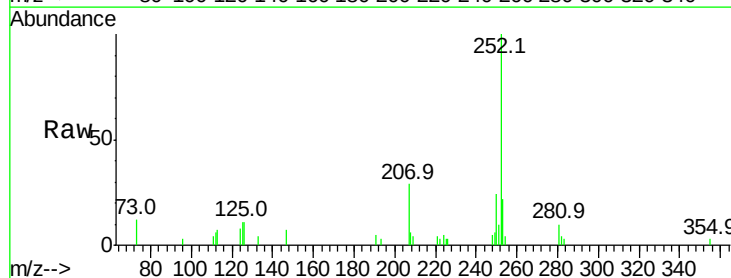
Instrument :
BNA_G
ClientSampleId :

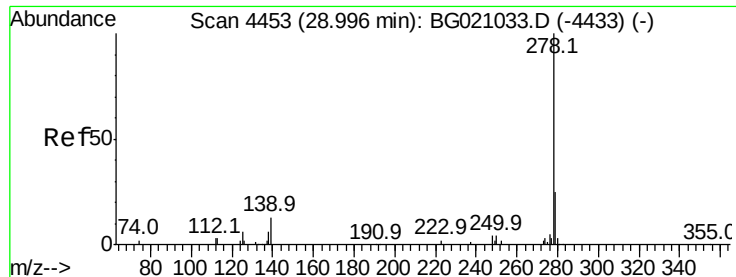
Tot Ion	Ratio	Lower	Upper
252	100		
253	21.1	16.4	24.6
125	11.2	8.2	12.2



#89
Benzo(a)pyrene
Concen: 14.64 ng
RT: 24.97 min Scan# 3768
Delta R.T. -0.01 min
Lab File: BG021047.D
Acq: 24 Feb 2016 5:13

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.3	15.8	23.8
125	10.9	8.4	12.6





#90

Dibenzo(a,h)anthracene

Concen: 4.78 ng

RT: 28.96 min Scan# 4446

Delta R.T. -0.04 min

Lab File: BG021047.D

Acq: 24 Feb 2016 5:13

Instrument :

BNA_G

ClientSampleId :

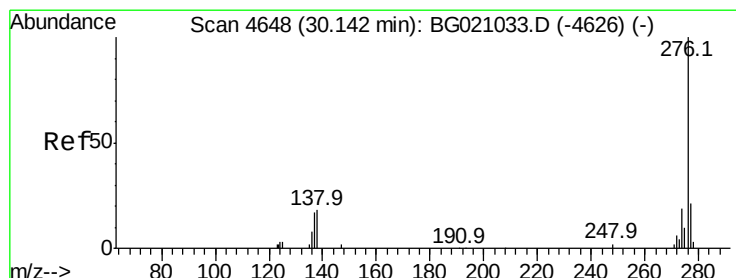
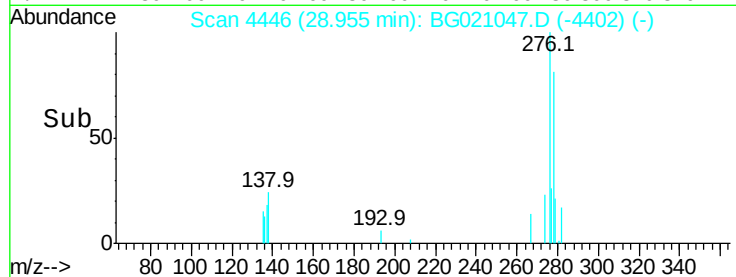
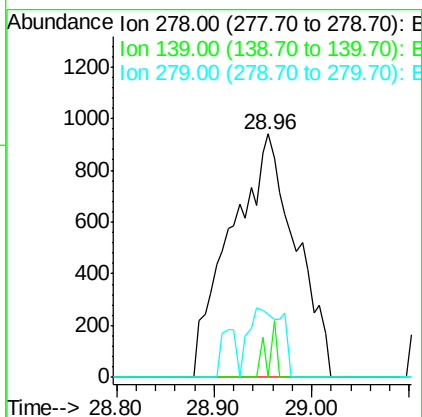
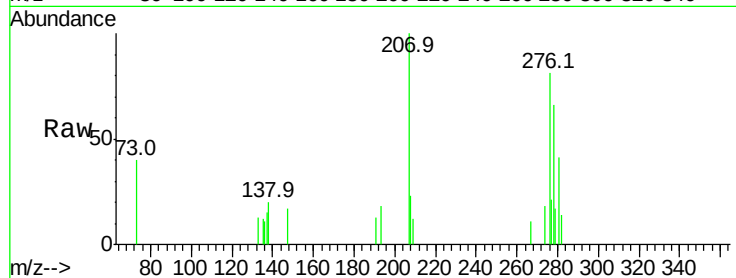
Tot Ion:278 Resp: 4309

Ion Ratio Lower Upper

278 100

139 0.0 10.6 15.8#

279 25.8 19.7 29.5



#91

Benzo(g,h,i)perylene

Concen: 12.85 ng

RT: 30.09 min Scan# 4640

Delta R.T. -0.05 min

Lab File: BG021047.D

Acq: 24 Feb 2016 5:13

Tgt Ion:276 Resp: 11561

Ion Ratio Lower Upper

276 100

277 26.8 16.6 25.0#

138 24.3 14.6 21.8#

