

Data Path : Z:\HPCHEM1\BNA G\DATA\BG041516\
 Data File : BG021706.D
 Acq On : 16 Apr 2016 7:29
 Operator : UM/SJ
 Sample : H2558-01
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SB-2-5-10

Quant Time: Apr 18 01:41:30 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

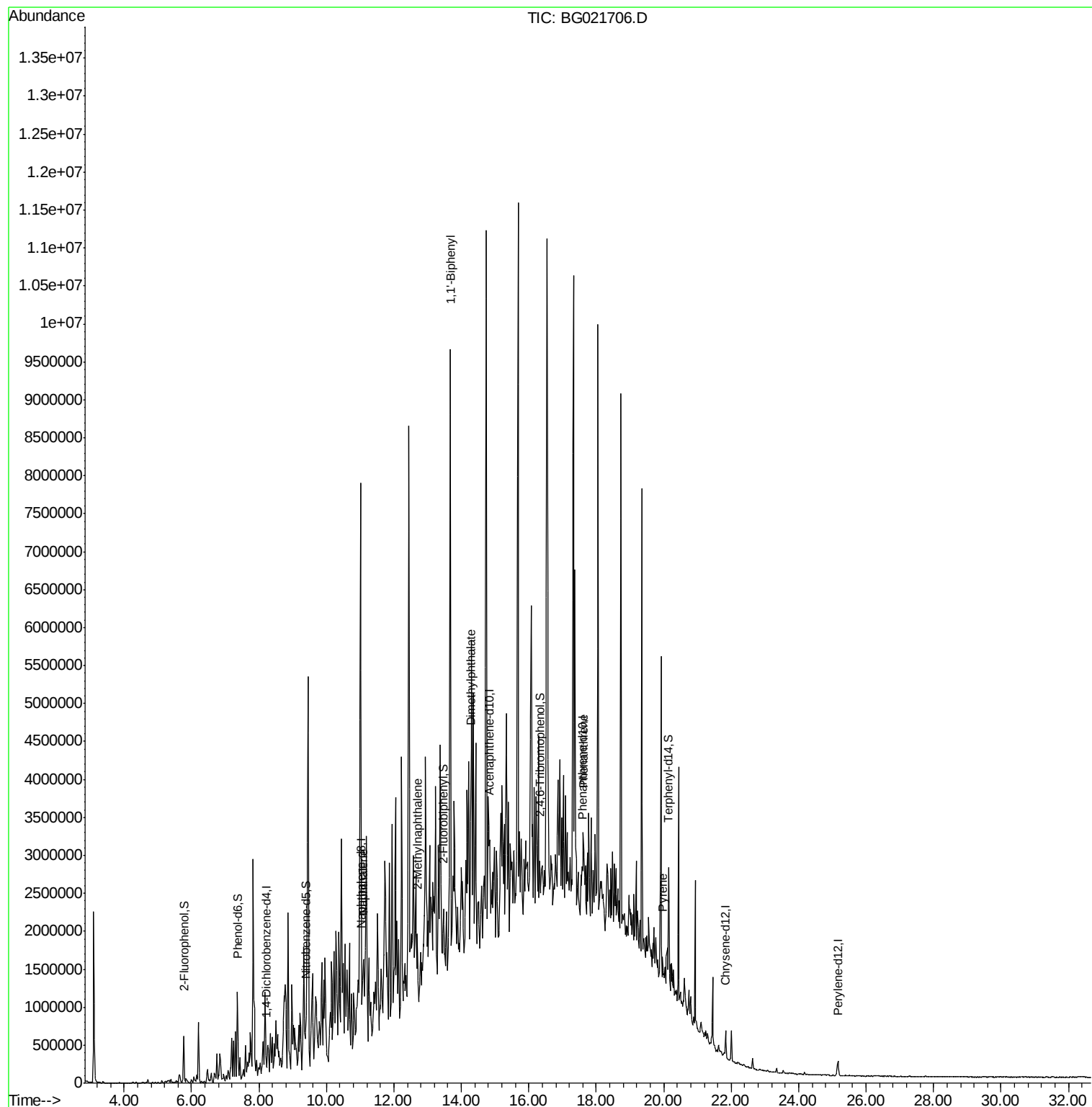
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.21	152	33502	20.00	ng	0.00
21) Naphthalene-d8	11.04	136	136529	20.00	ng	0.00
38) Acenaphthene-d10	14.84	164	98983	20.00	ng	0.02
63) Phenanthrene-d10	17.57	188	181221	20.00	ng	0.01
75) Chrysene-d12	21.83	240	212725	20.00	ng	0.00
86) Perylene-d12	25.17	264	209250	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.77	112	215376	107.06	ng	0.01
7) Phenol-d6	7.37	99	303009	100.83	ng	0.02
23) Nitrobenzene-d5	9.39	82	234815	88.40	ng	0.00
41) 2,4,6-Tribromophenol	16.32	330	117284	109.94	ng	0.02
44) 2-Fluorobiphenyl	13.47	172	465273	68.87	ng	0.01
78) Terphenyl-d14	20.15	244	624649	73.27	ng	0.00
Target Compounds						Qvalue
31) Naphthalene	11.09	128	178231	24.39	ng	# 68
37) 2-Methylnaphthalene	12.69	142	399862	79.72	ng	# 93
45) 1,1'-Biphenyl	13.68	154	148801	17.84	ng	# 97
49) Dimethylphthalate	14.28	163	55425	6.48	ng	# 62
70) Phenanthrene	17.62	178	53985	5.41	ng	# 73
77) Pyrene	19.97	202	74606	6.08	ng	# 89

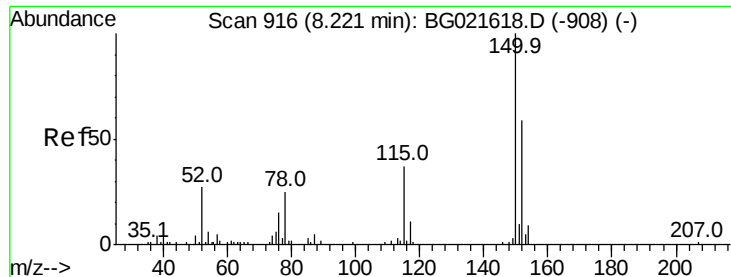
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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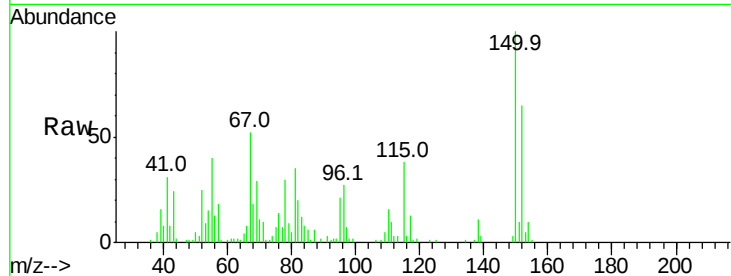


#1

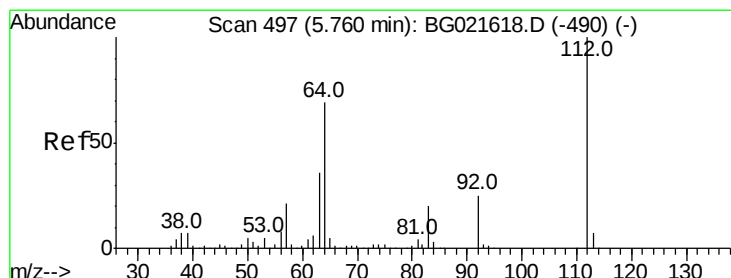
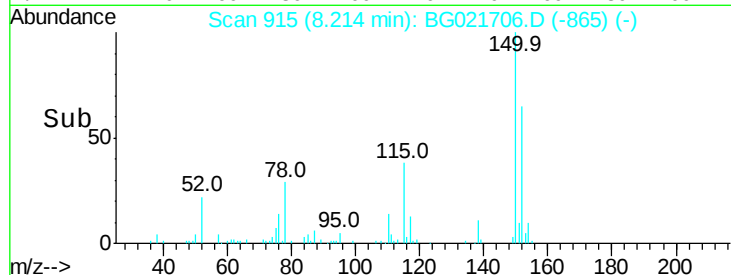
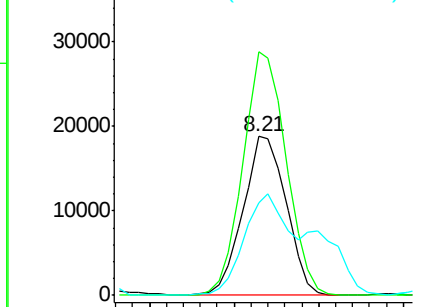
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 8.21 min Scan# 915
Delta R.T. -0.01 min
Lab File: BG021706.D
Acq: 16 Apr 2016 7:29

Instrument :
BNA_G
ClientSampleId :
SB-2-5-10

Tot Ion	Ratio	Lower	Upper
152	100		
150	153.3	130.1	195.1
115	58.7	62.2	93.2



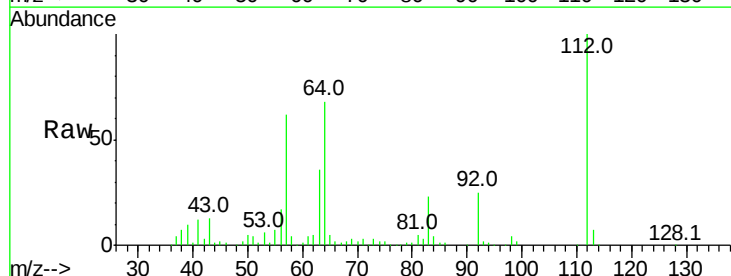
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



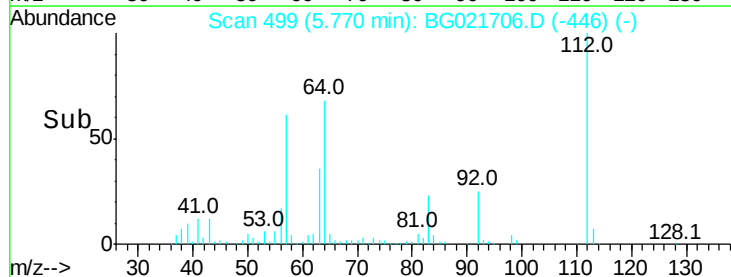
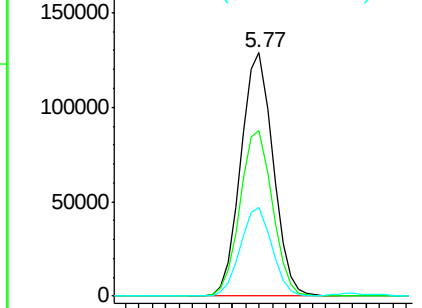
#5

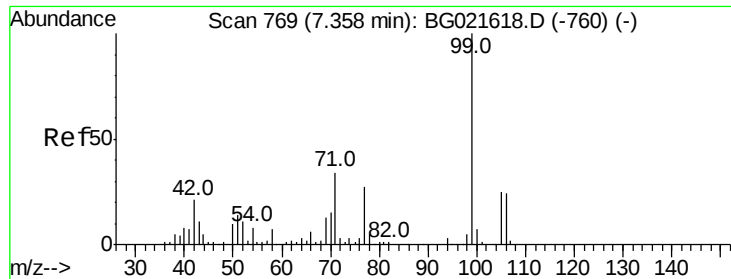
2-Fluorophenol
Concen: 107.06 ng
RT: 5.77 min Scan# 499
Delta R.T. 0.01 min
Lab File: BG021706.D
Acq: 16 Apr 2016 7:29

Tgt Ion	Ratio	Lower	Upper
112	100		
64	68.0	51.1	76.7
63	36.4	24.6	37.0



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: 100.83 ng

RT: 7.37 min Scan# 772

Delta R.T. 0.02 min

Lab File: BG021706.D

Acq: 16 Apr 2016 7:29

Instrument :

BNA_G

ClientSampleId :

SB-2-5-10

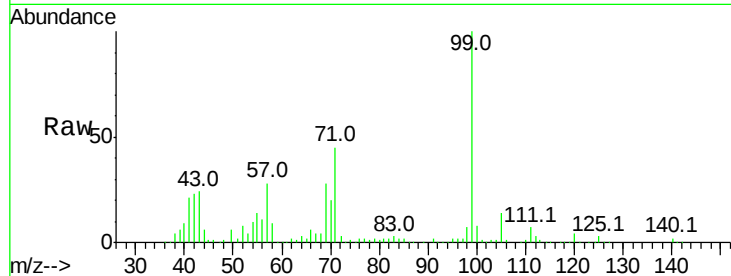
Tot Ion: 99 Resp: 303009

Ion Ratio Lower Upper

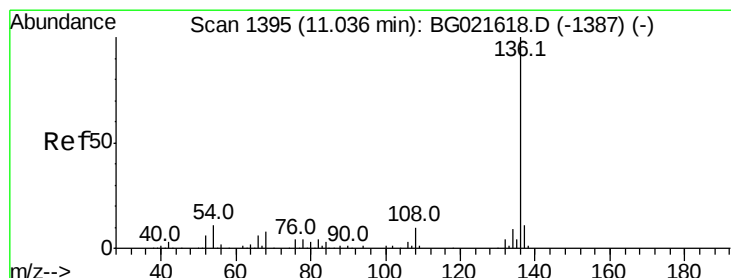
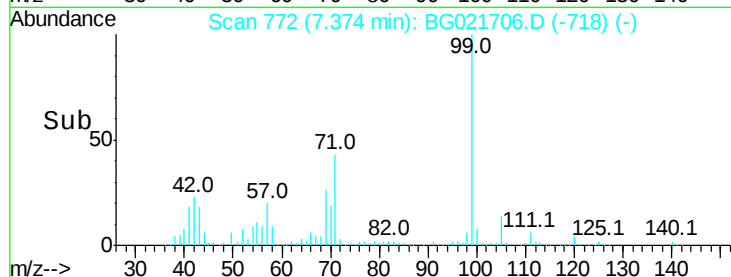
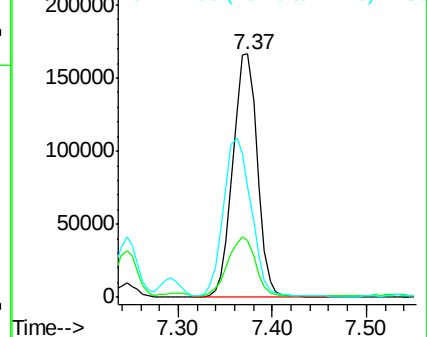
99 100

42 23.3 16.4 24.6

71 45.3 25.0 37.4#



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: 11.04 min Scan# 1396

Delta R.T. 0.00 min

Lab File: BG021706.D

Acq: 16 Apr 2016 7:29

Tgt Ion: 136 Resp: 136529

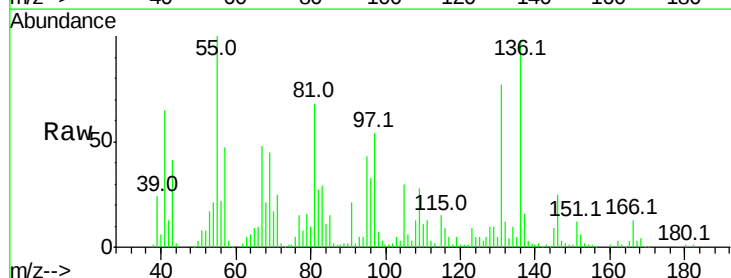
Ion Ratio Lower Upper

136 100

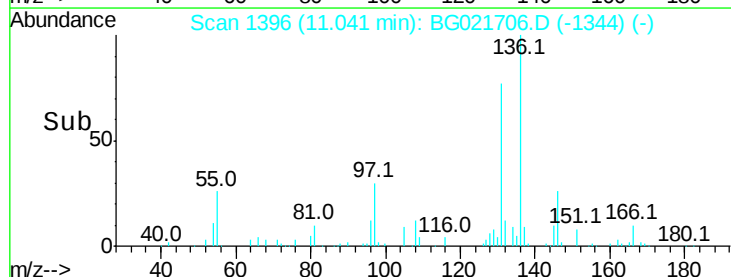
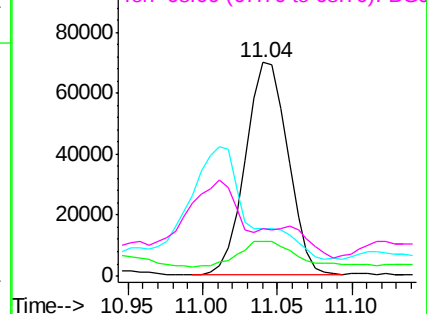
137 16.2 9.0 13.4#

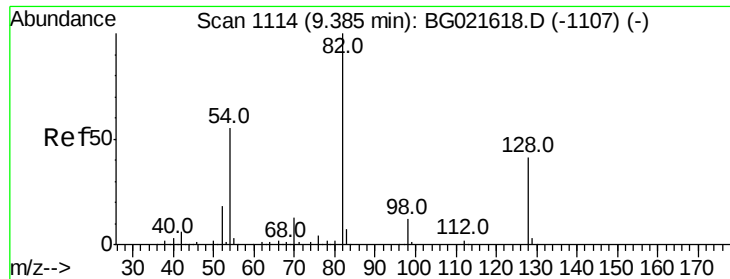
54 21.9 9.6 14.4#

68 22.0 6.4 9.6#



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

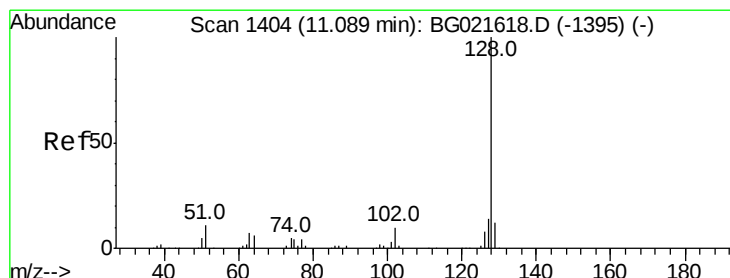
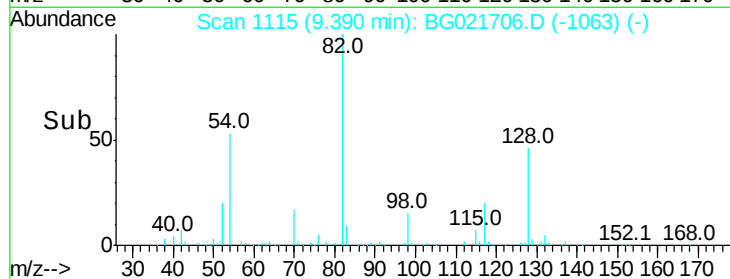
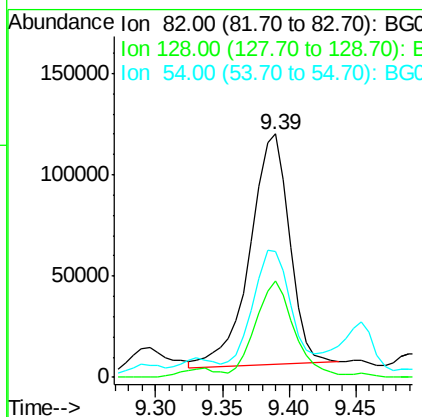
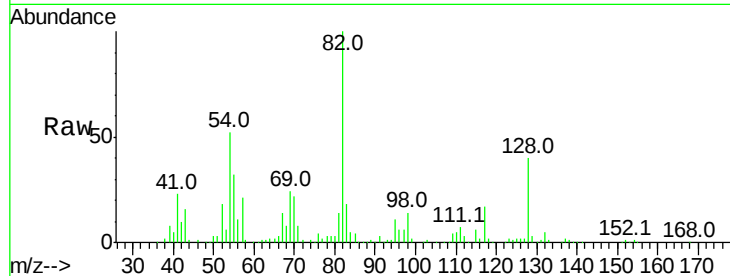




#23
Nitrobenzene-d5
Concen: 88.40 ng
RT: 9.39 min Scan# 1115
Delta R.T. 0.00 min
Lab File: BG021706.D
Acq: 16 Apr 2016 7:29

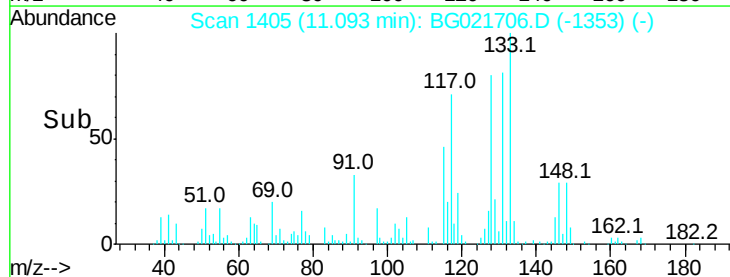
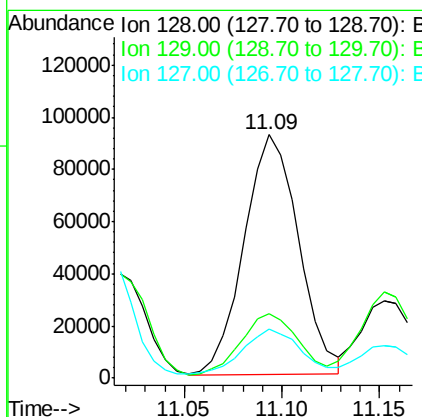
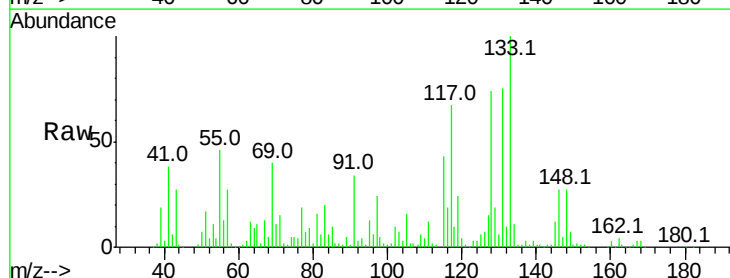
Instrument :
BNA_G
ClientSampleId :
SB-2-5-10

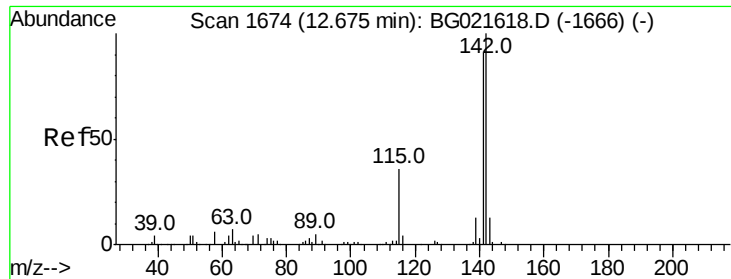
Tot Ion: 82 Resp: 234815
Ion Ratio Lower Upper
82 100
128 39.8 33.4 50.0
54 51.6 46.1 69.1



#31
Naphthalene
Concen: 24.39 ng
RT: 11.09 min Scan# 1405
Delta R.T. 0.00 min
Lab File: BG021706.D
Acq: 16 Apr 2016 7:29

Tgt Ion: 128 Resp: 178231
Ion Ratio Lower Upper
128 100
129 26.3 7.0 10.6#
127 20.3 10.1 15.1#





#37

2-Methylnaphthalene

Concen: 79.72 ng

RT: 12.69 min Scan# 1677

Delta R.T. 0.02 min

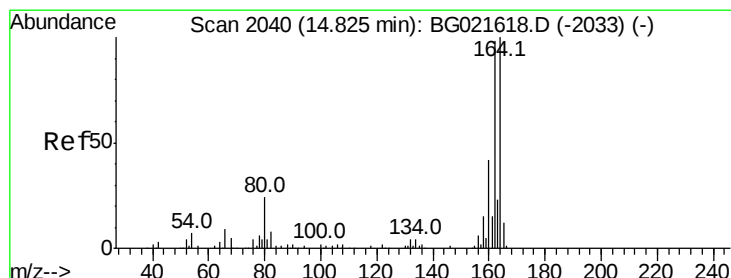
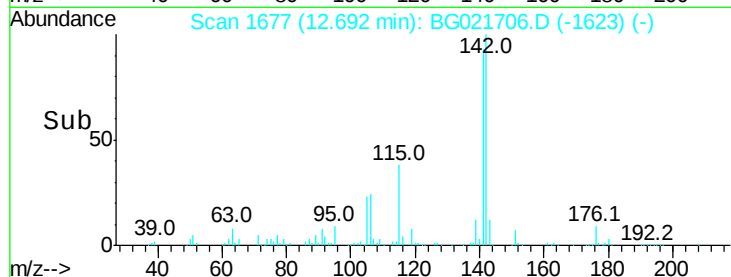
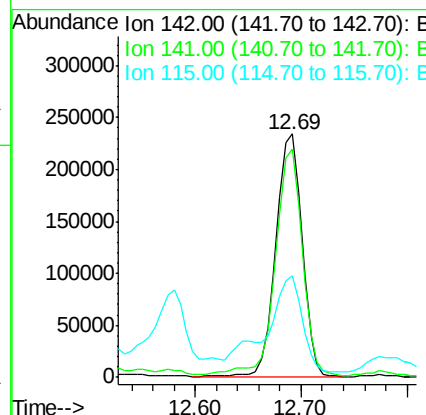
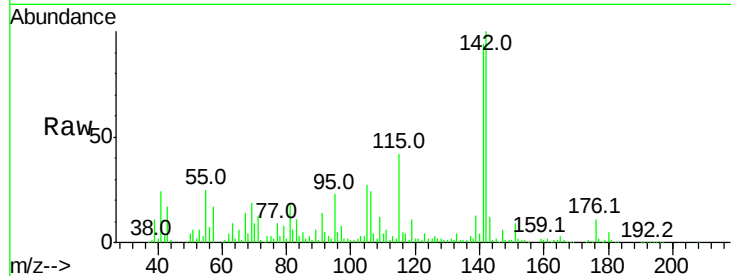
Lab File: BG021706.D

Acq: 16 Apr 2016 7:29

Instrument :
BNA_G
ClientSampled :
SB-2-5-10

Tot Ion:142 Resp: 399862

Ion	Ratio	Lower	Upper
142	100		
141	93.9	71.4	107.0
115	41.5	27.4	41.2#



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 14.84 min Scan# 2043

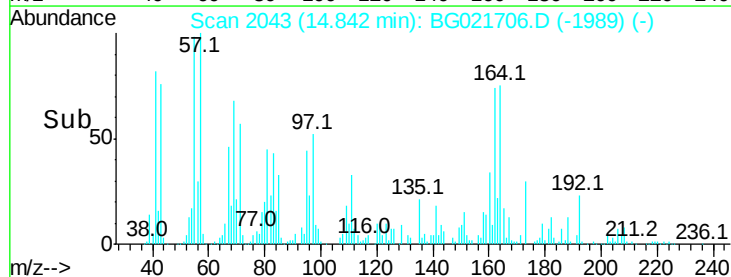
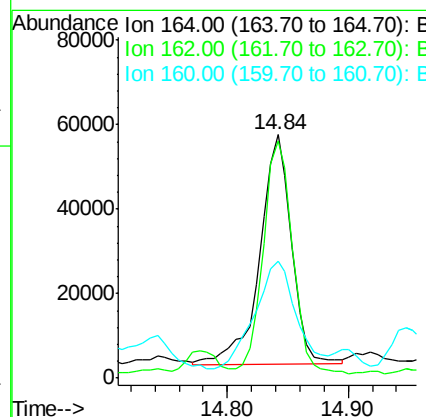
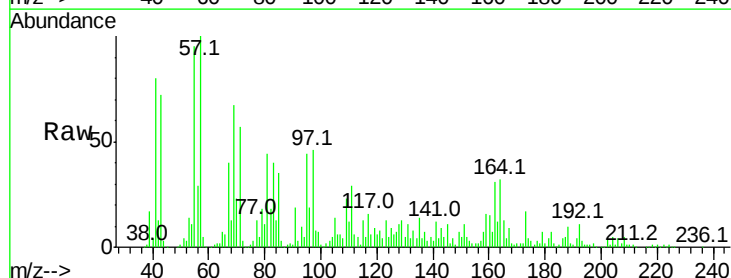
Delta R.T. 0.02 min

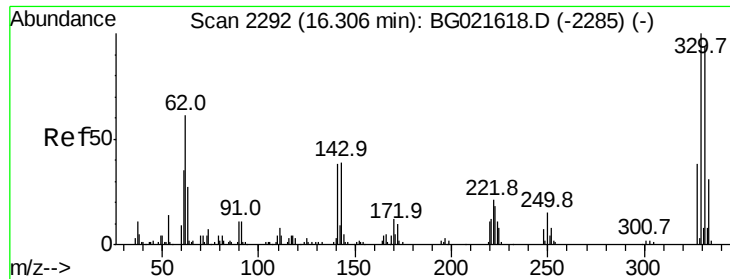
Lab File: BG021706.D

Acq: 16 Apr 2016 7:29

Tgt Ion:164 Resp: 98983

Ion	Ratio	Lower	Upper
164	100		
162	97.6	78.0	117.0
160	48.0	32.9	49.3

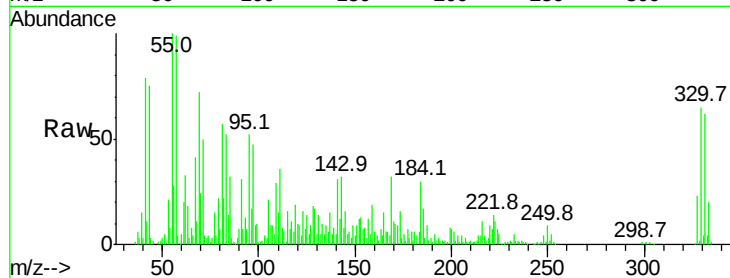




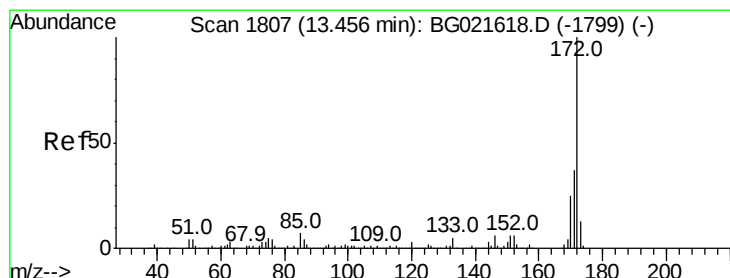
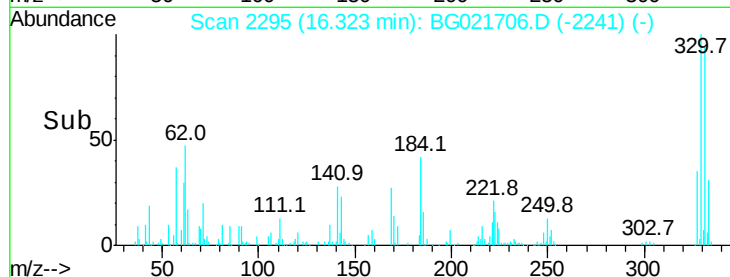
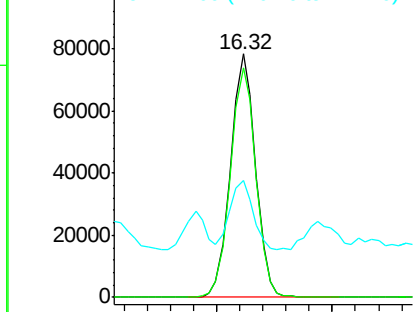
#41
 2,4,6-Tribromophenol
 Concen: 109.94 ng
 RT: 16.32 min Scan# 2295
 Delta R.T. 0.02 min
 Lab File: BG021706.D
 Acq: 16 Apr 2016 7:29

Instrument :
 BNA_G
 ClientSampled :
 SB-2-5-10

Tot Ion:330 Resp: 117284
 Ion Ratio Lower Upper
 330 100
 332 95.8 78.0 117.0
 141 26.5 33.8 50.8#

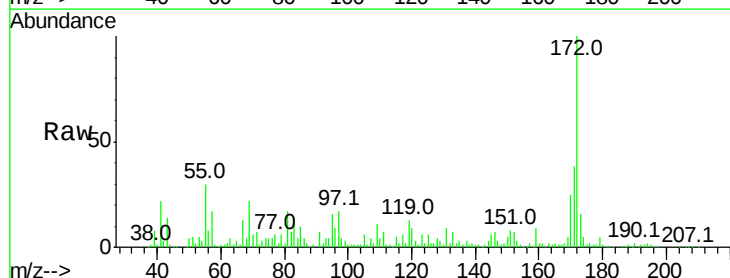


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

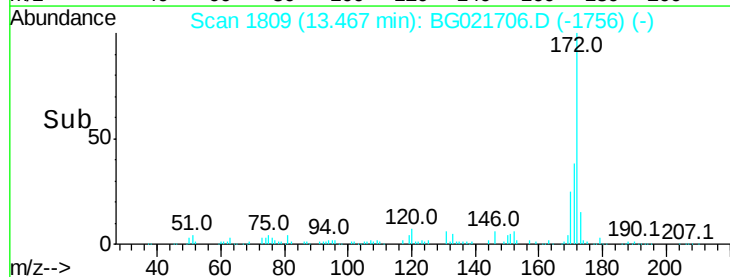
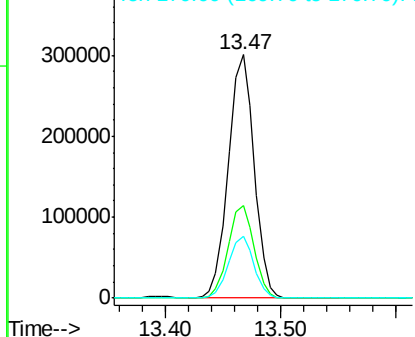


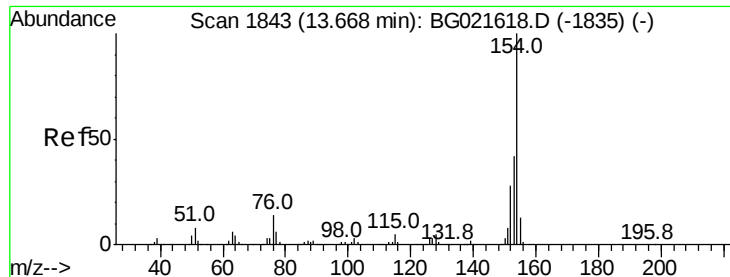
#44
 2-Fluorobiphenyl
 Concen: 68.87 ng
 RT: 13.47 min Scan# 1809
 Delta R.T. 0.01 min
 Lab File: BG021706.D
 Acq: 16 Apr 2016 7:29

Tgt Ion:172 Resp: 465273
 Ion Ratio Lower Upper
 172 100
 171 38.0 27.8 41.6
 170 25.4 19.6 29.4



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





#45

1,1'-Biphenyl

Concen: 17.84 ng

RT: 13.68 min Scan# 1845

Delta R.T. 0.01 min

Lab File: BG021706.D

Acq: 16 Apr 2016 7:29

Instrument :

BNA_G

ClientSampleId :

SB-2-5-10

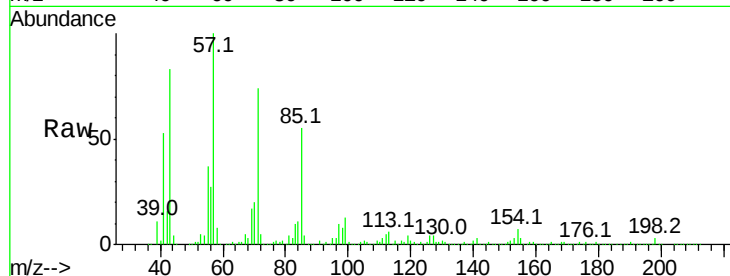
Tot Ion:154 Resp: 148801

Ion Ratio Lower Upper

154 100

153 37.9 19.7 59.7

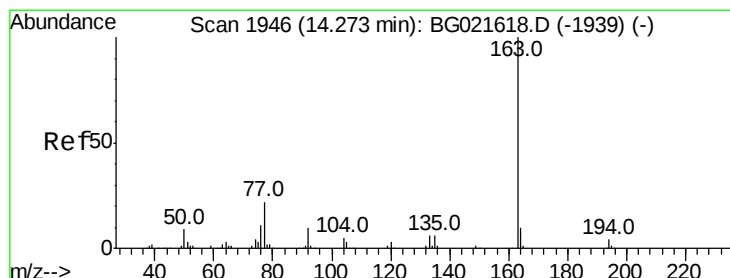
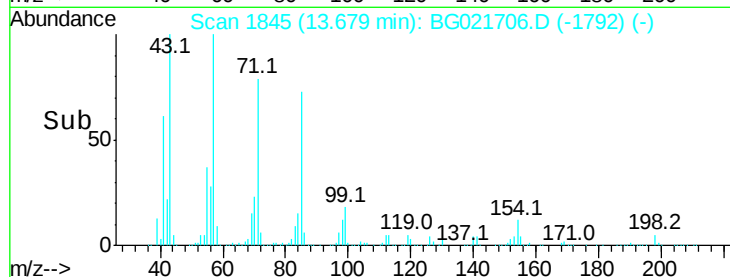
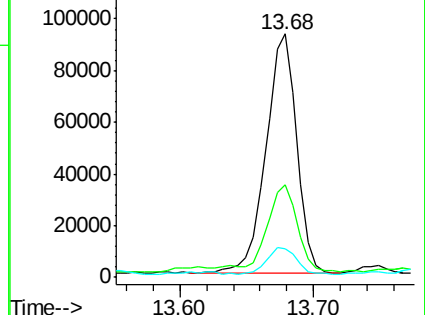
76 11.8 0.0 33.0



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 76.00 (75.70 to 76.70): B



#49

Dimethylphthalate

Concen: 6.48 ng

RT: 14.28 min Scan# 1947

Delta R.T. 0.00 min

Lab File: BG021706.D

Acq: 16 Apr 2016 7:29

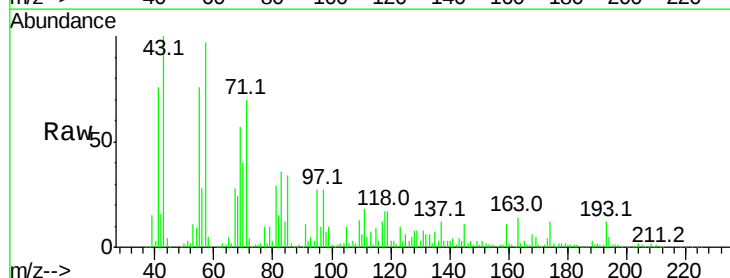
Tgt Ion:163 Resp: 55425

Ion Ratio Lower Upper

163 100

194 37.1 3.0 4.6#

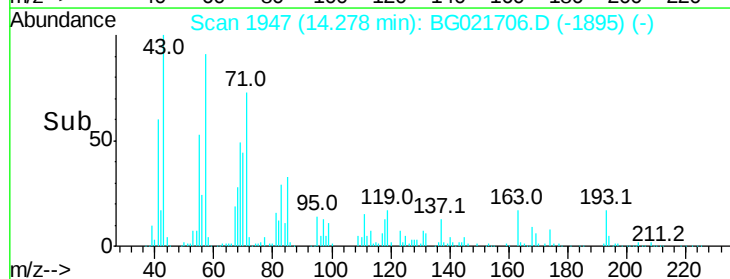
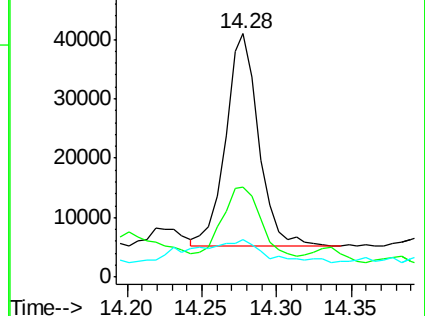
164 15.4 8.1 12.1#

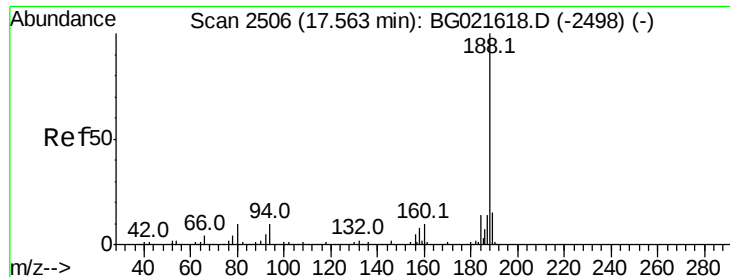


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E

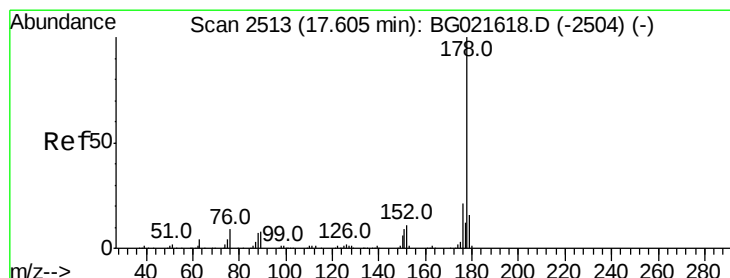
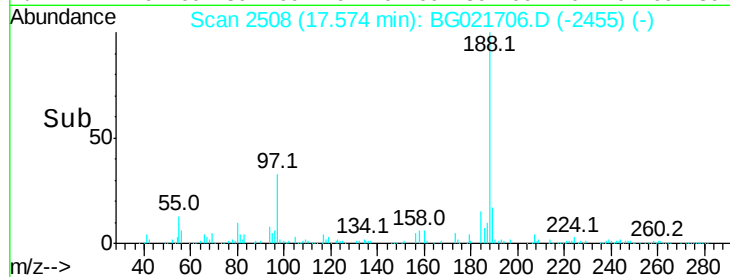
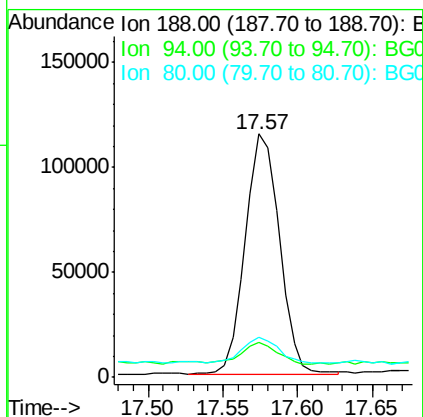
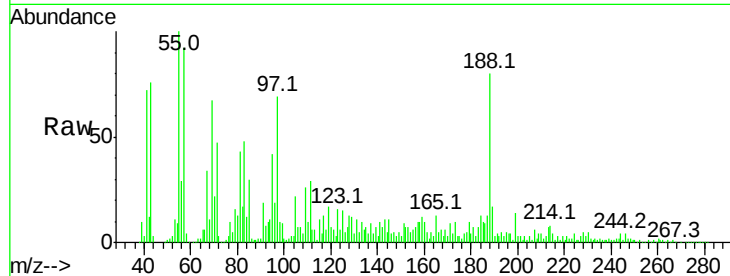




#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 17.57 min Scan# 2508
 Delta R.T. 0.01 min
 Lab File: BG021706.D
 Acq: 16 Apr 2016 7:29

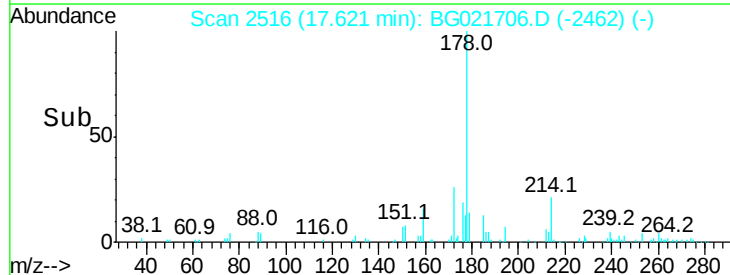
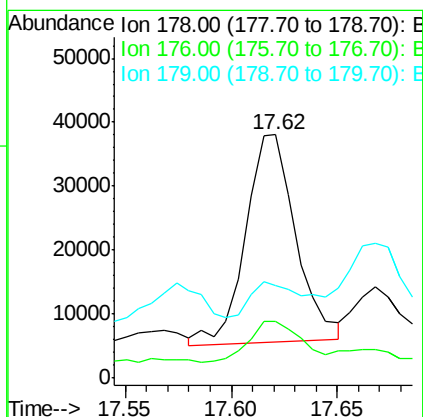
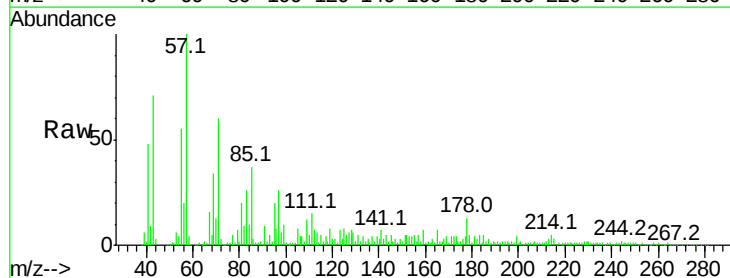
Instrument :
 BNA_G
 ClientSampleId :
 SB-2-5-10

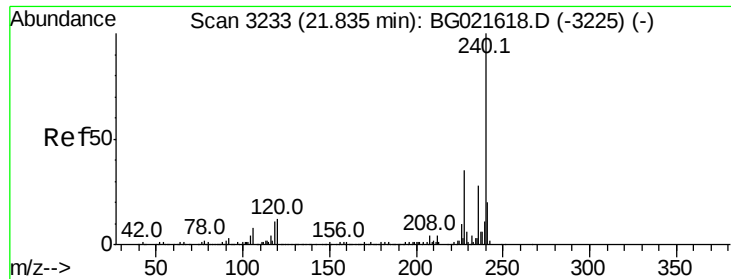
Tot Ion:188 Resp: 181221
 Ion Ratio Lower Upper
 188 100
 94 14.3 7.5 11.3#
 80 16.6 8.6 13.0#



#70
 Phenanthrene
 Concen: 5.41 ng
 RT: 17.62 min Scan# 2516
 Delta R.T. 0.02 min
 Lab File: BG021706.D
 Acq: 16 Apr 2016 7:29

Tgt Ion:178 Resp: 53985
 Ion Ratio Lower Upper
 178 100
 176 23.5 16.2 24.4
 179 38.0 12.0 18.0#





#75

Chrysene-d12

Concen: 20.00 ng

RT: 21.83 min Scan# 3233

Delta R.T. -0.00 min

Lab File: BG021706.D

Acq: 16 Apr 2016 7:29

Instrument :

BNA_G

ClientSampleId :

SB-2-5-10

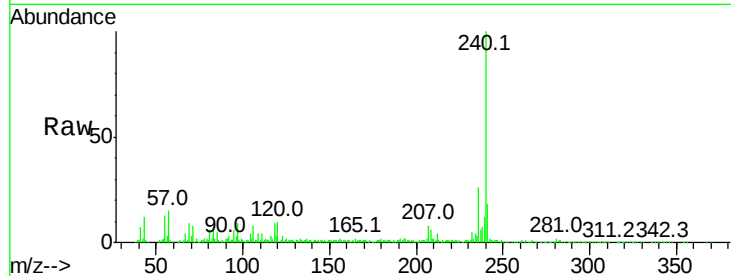
Tot Ion:240 Resp: 212725

Ion Ratio Lower Upper

240 100

120 9.6 8.4 12.6

236 26.2 19.6 29.4



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

150000

100000

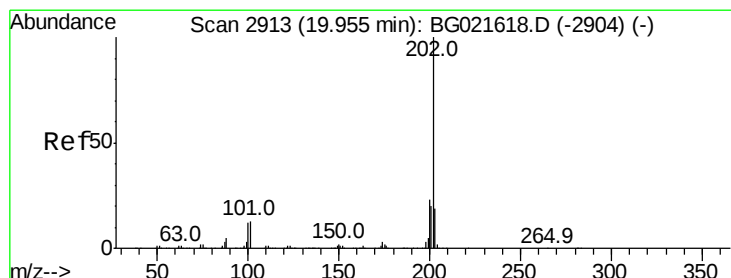
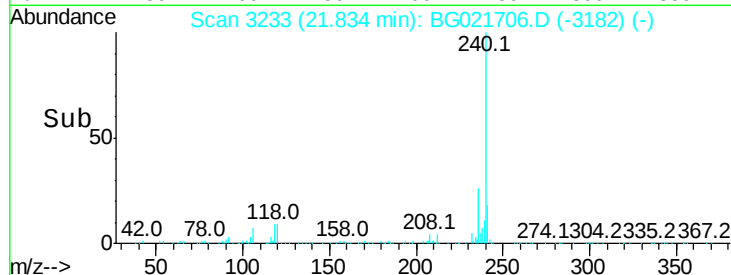
50000

0

21.83

21.80 21.90

Time-->



#77

Pyrene

Concen: 6.08 ng

RT: 19.97 min Scan# 2915

Delta R.T. 0.01 min

Lab File: BG021706.D

Acq: 16 Apr 2016 7:29

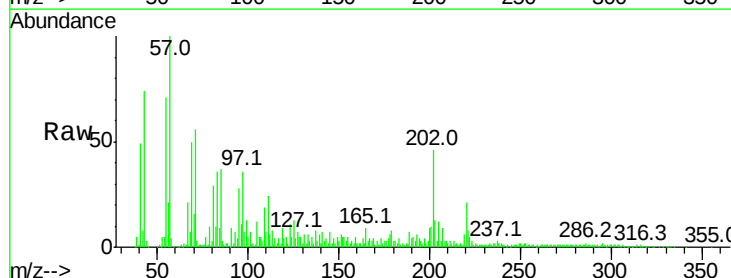
Tgt Ion:202 Resp: 74606

Ion Ratio Lower Upper

202 100

200 20.7 18.2 27.2

203 27.6 15.0 22.4#



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

60000

40000

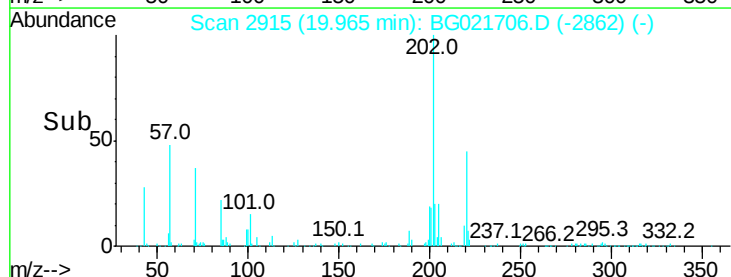
20000

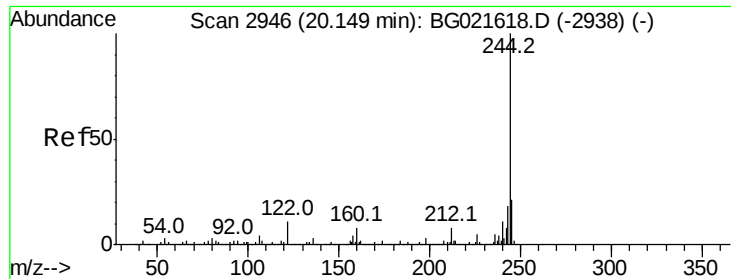
0

19.97

19.90 20.00

Time-->





#78

Terphenyl-d14

Concen: 73.27 ng

RT: 20.15 min Scan# 2947

Delta R.T. 0.00 min

Lab File: BG021706.D

Acq: 16 Apr 2016 7:29

Instrument :

BNA_G

ClientSampleId :

SB-2-5-10

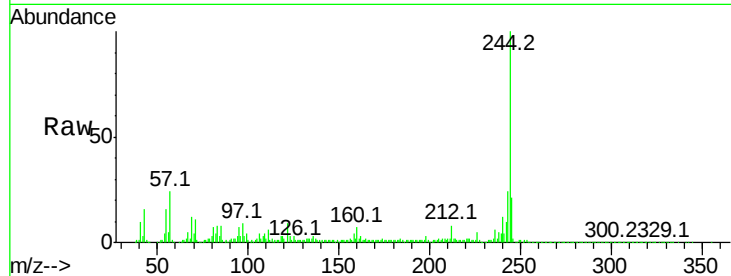
Tot Ion:244 Resp: 624649

Ion Ratio Lower Upper

244 100

212 8.1 6.5 9.7

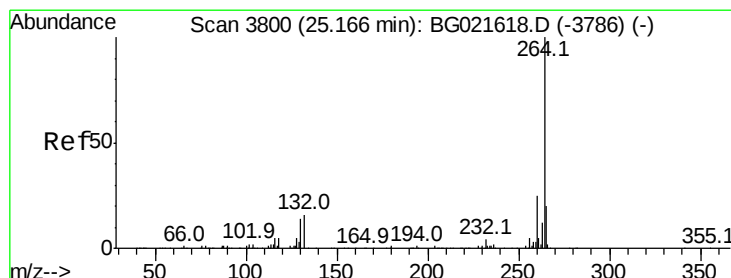
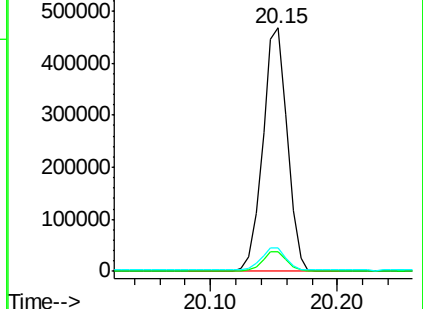
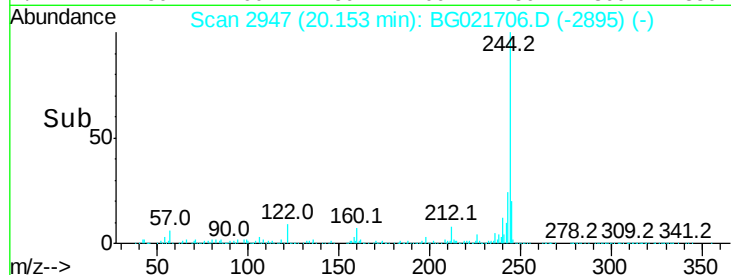
122 9.4 8.6 12.8



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



#86

Perylene-d12

Concen: 20.00 ng

RT: 25.17 min Scan# 3800

Delta R.T. -0.00 min

Lab File: BG021706.D

Acq: 16 Apr 2016 7:29

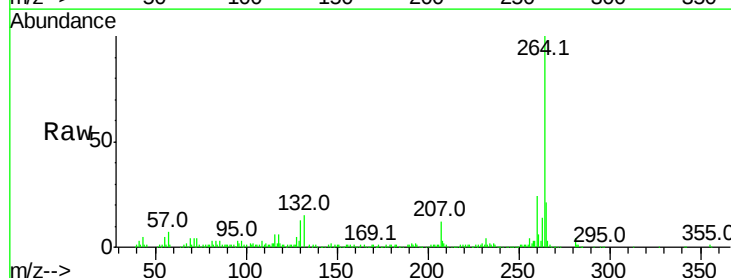
Tgt Ion:264 Resp: 209250

Ion Ratio Lower Upper

264 100

260 23.6 20.2 30.4

265 20.7 17.8 26.8



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

