

Data Path : Z:\HPCHEM1\BNA G\DATA\BG041516\
 Data File : BG021709.D
 Acq On : 16 Apr 2016 9:27
 Operator : UM/SJ
 Sample : H2558-04
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SB-14-5-10

Quant Time: Apr 18 02:01:08 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

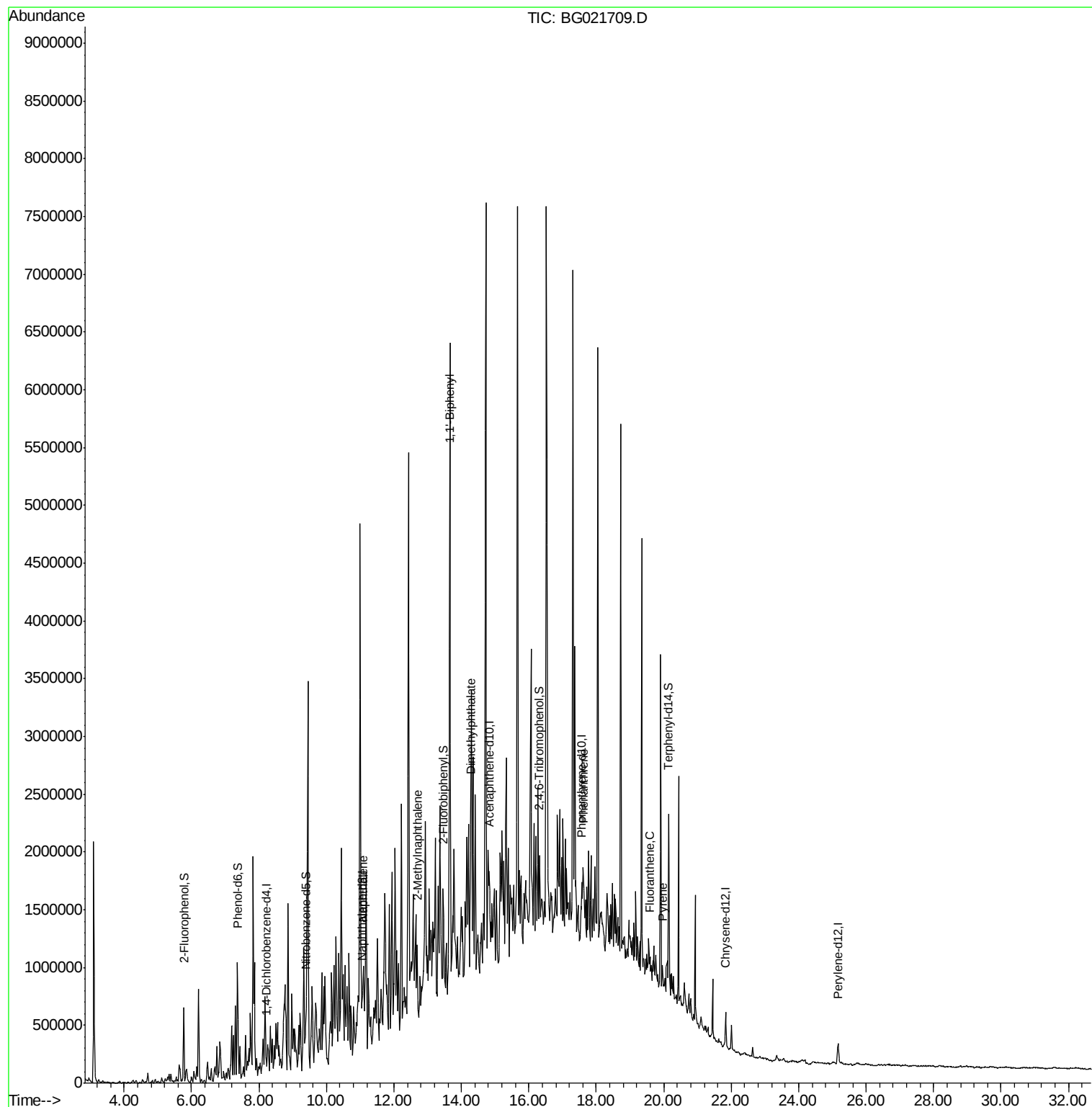
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.22	152	28300	20.00	ng	0.00
21) Naphthalene-d8	11.04	136	120030	20.00	ng	0.00
38) Acenaphthene-d10	14.84	164	84152	20.00	ng	0.00
63) Phenanthrene-d10	17.57	188	169117	20.00	ng	0.00
75) Chrysene-d12	21.83	240	194459	20.00	ng	0.00
86) Perylene-d12	25.16	264	193961	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.77	112	208324	122.58	ng	0.01
7) Phenol-d6	7.37	99	294778	116.12	ng	0.02
23) Nitrobenzene-d5	9.39	82	226416	96.96	ng	0.00
41) 2,4,6-Tribromophenol	16.32	330	132694	146.31	ng	0.00
44) 2-Fluorobiphenyl	13.46	172	472160	82.21	ng	0.00
78) Terphenyl-d14	20.15	244	664732	85.30	ng	0.00
Target Compounds						Qvalue
31) Naphthalene	11.09	128	149144	23.22	ng	# 77
37) 2-Methylnaphthalene	12.68	142	286054	64.87	ng	95
45) 1,1'-Biphenyl	13.67	154	86535	12.21	ng	98
49) Dimethylphthalate	14.27	163	46398	6.38	ng	# 72
70) Phenanthrene	17.61	178	45721	4.91	ng	# 82
74) Fluoranthene	19.60	202	27707	2.49	ng	91
77) Pyrene	19.96	202	67249	6.00	ng	# 94

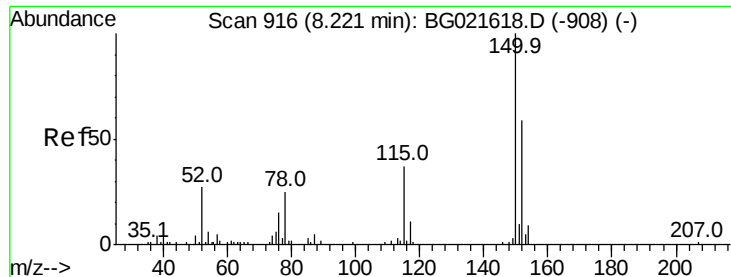
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 8.22 min Scan# 916

Delta R.T. -0.00 min

Lab File: BG021709.D

Acq: 16 Apr 2016 9:27

Instrument :

BNA_G

ClientSampleId :

SB-14-5-10

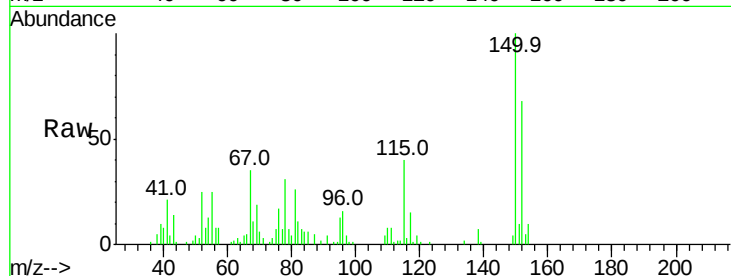
Tot Ion:152 Resp: 28300

Ion Ratio Lower Upper

152 100

150 146.7 130.1 195.1

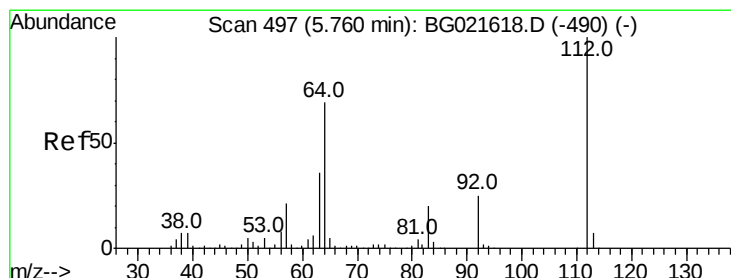
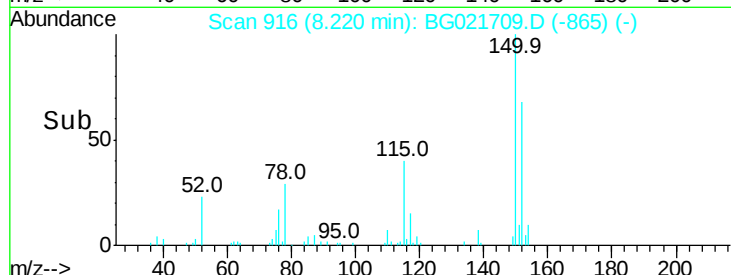
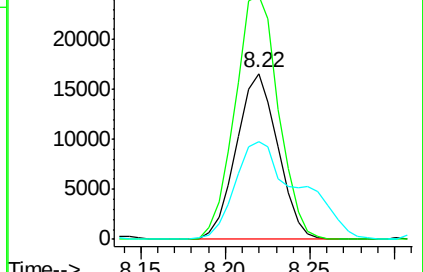
115 59.0 62.2 93.2#



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: 122.58 ng

RT: 5.77 min Scan# 499

Delta R.T. 0.01 min

Lab File: BG021709.D

Acq: 16 Apr 2016 9:27

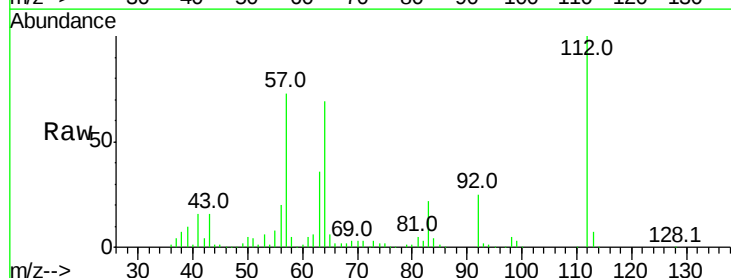
Tgt Ion:112 Resp: 208324

Ion Ratio Lower Upper

112 100

64 68.7 51.1 76.7

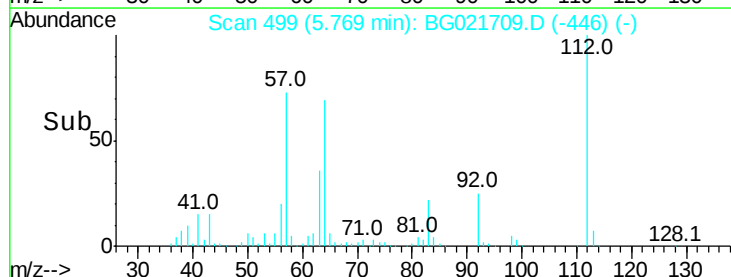
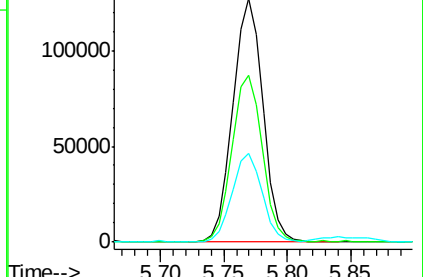
63 36.4 24.6 37.0

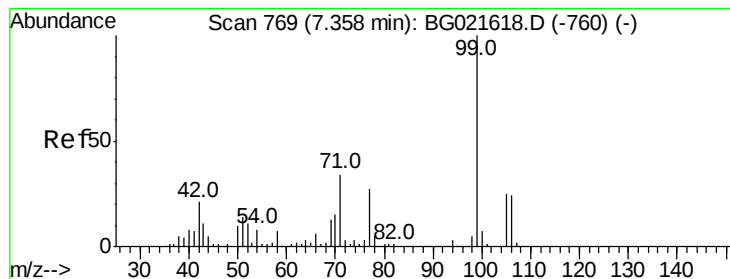


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BGC

Ion 63.00 (62.70 to 63.70): BGC





#7

Phenol-d6

Concen: 116.12 ng

RT: 7.37 min Scan# 772

Delta R.T. 0.02 min

Lab File: BG021709.D

Acq: 16 Apr 2016 9:27

Instrument :

BNA_G

ClientSampleId :

SB-14-5-10

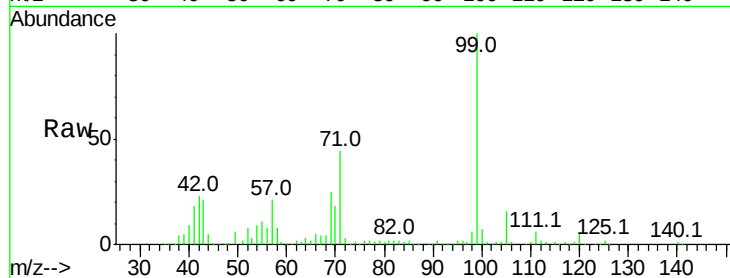
Tot Ion: 99 Resp: 294778

Ion Ratio Lower Upper

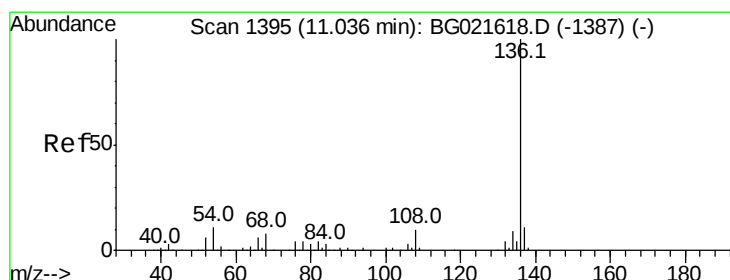
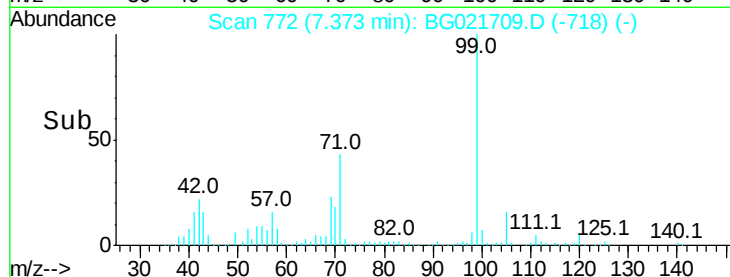
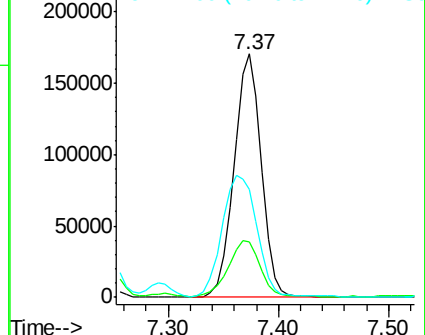
99 100

42 22.9 16.4 24.6

71 44.4 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: BG021709.D

Acq: 16 Apr 2016 9:27

Tgt Ion: 136 Resp: 120030

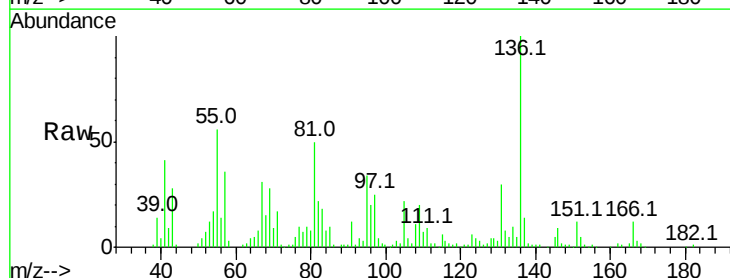
Ion Ratio Lower Upper

136 100

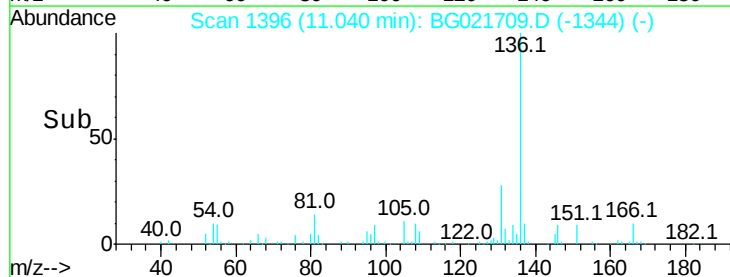
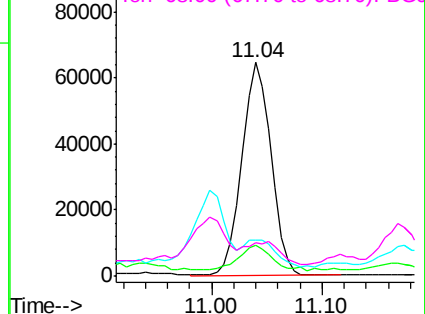
137 14.2 9.0 13.4#

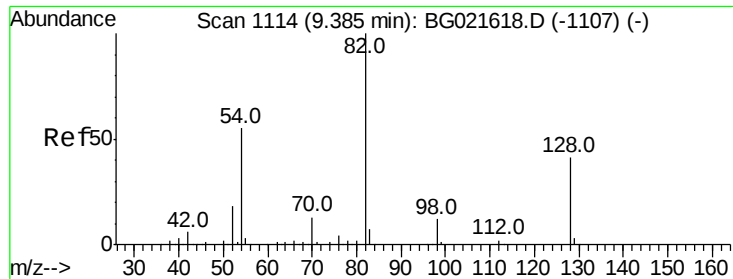
54 16.9 9.6 14.4#

68 15.5 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

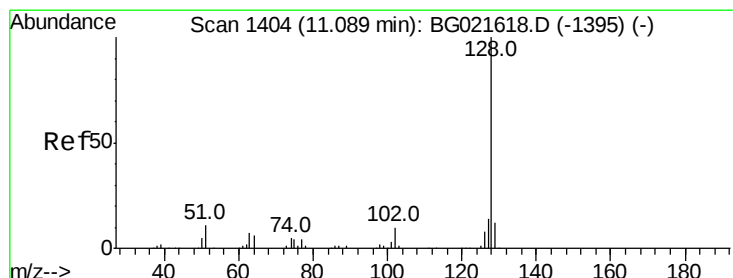
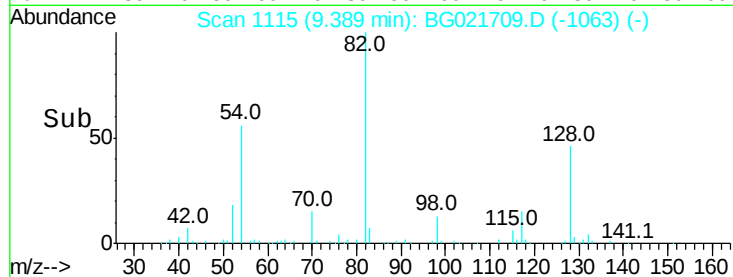
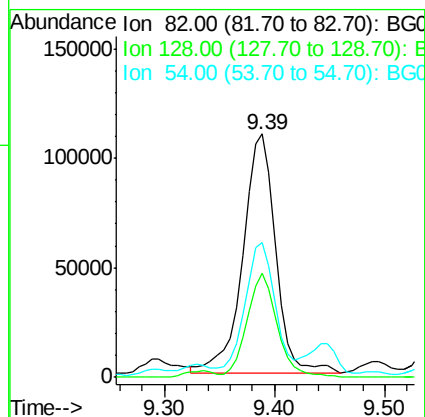
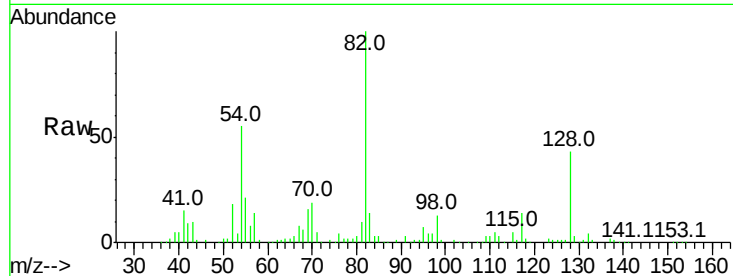




#23
 Nitrobenzene-d5
 Concen: 96.96 ng
 RT: 9.39 min Scan# 1115
 Delta R.T. 0.00 min
 Lab File: BG021709.D
 Acq: 16 Apr 2016 9:27

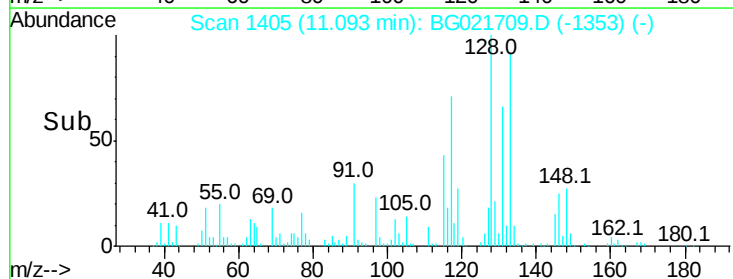
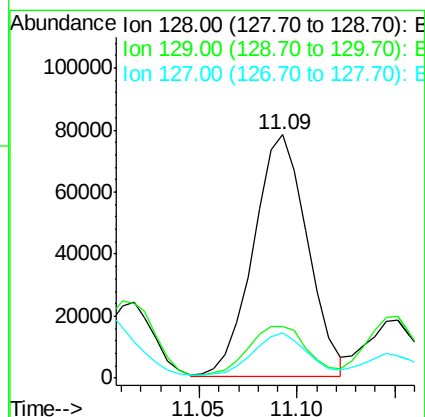
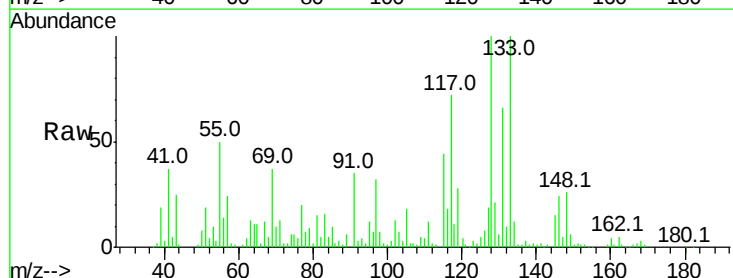
Instrument :
 BNA_G
 ClientSampleID :
 SB-14-5-10

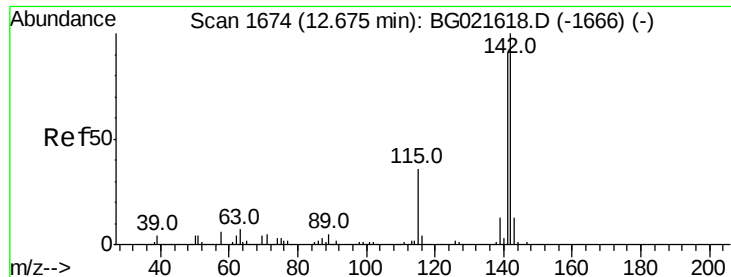
Tot Ion	Ratio	Lower	Upper
82	100		
128	42.6	33.4	50.0
54	55.3	46.1	69.1



#31
 Naphthalene
 Concen: 23.22 ng
 RT: 11.09 min Scan# 1405
 Delta R.T. 0.00 min
 Lab File: BG021709.D
 Acq: 16 Apr 2016 9:27

Tgt Ion	Ratio	Lower	Upper
128	100		
129	21.4	7.0	10.6#
127	18.6	10.1	15.1#





#37

2-Methylnaphthalene

Concen: 64.87 ng

RT: 12.68 min Scan# 1676

Delta R.T. 0.01 min

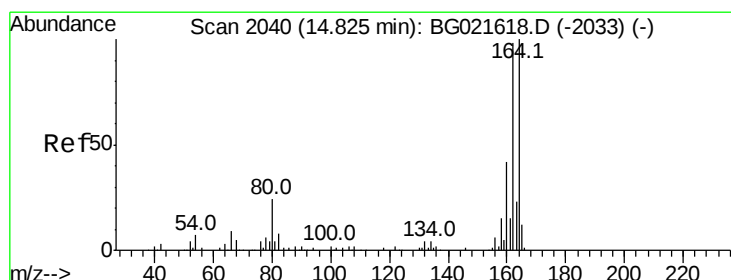
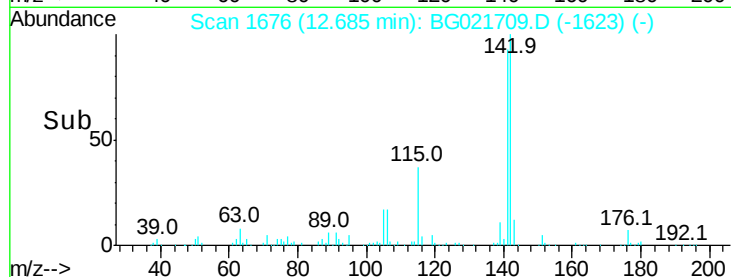
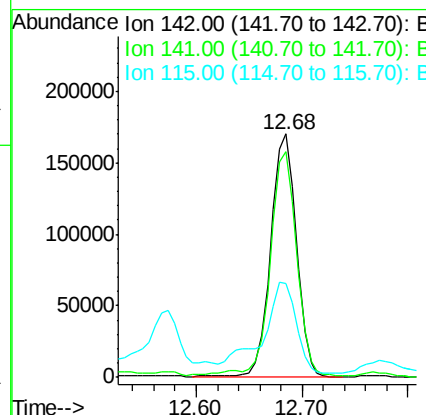
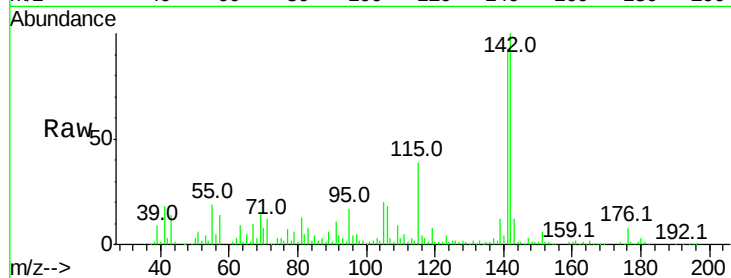
Lab File: BG021709.D

Acq: 16 Apr 2016 9:27

Instrument :
BNA_G
ClientSampleId :
SB-14-5-10

Tot Ion:142 Resp: 286054

Ion	Ratio	Lower	Upper
142	100		
141	92.8	71.4	107.0
115	38.8	27.4	41.2



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 14.84 min Scan# 2042

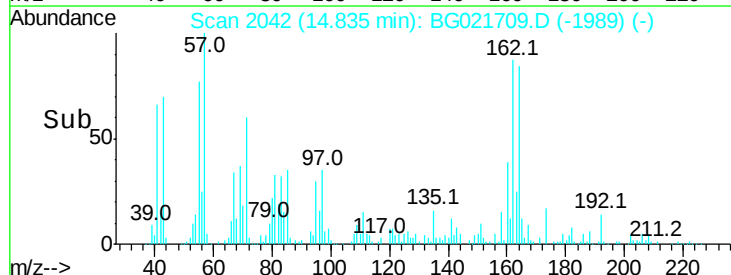
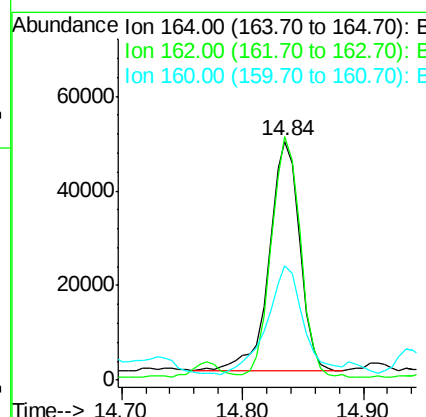
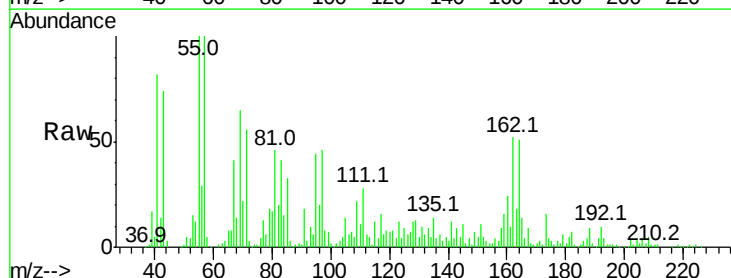
Delta R.T. 0.01 min

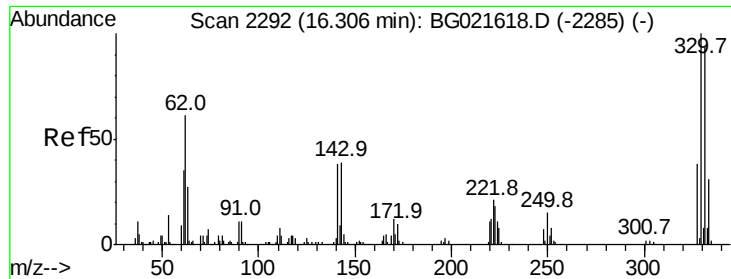
Lab File: BG021709.D

Acq: 16 Apr 2016 9:27

Tgt Ion:164 Resp: 84152

Ion	Ratio	Lower	Upper
164	100		
162	101.9	78.0	117.0
160	47.8	32.9	49.3

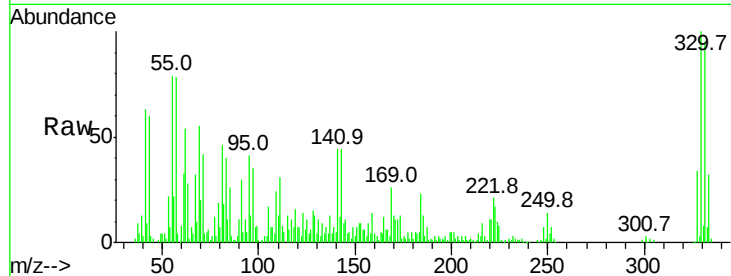




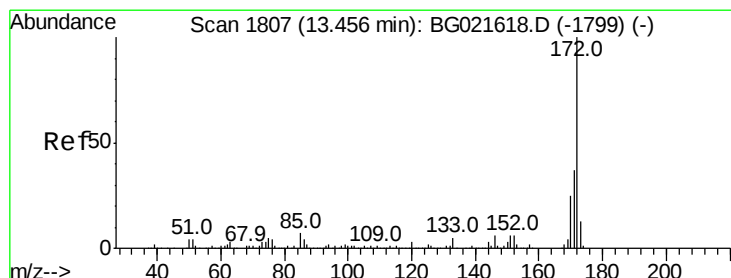
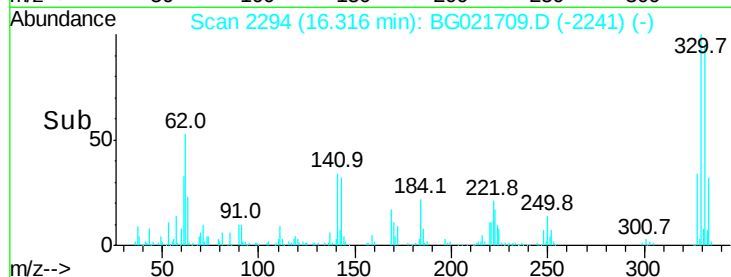
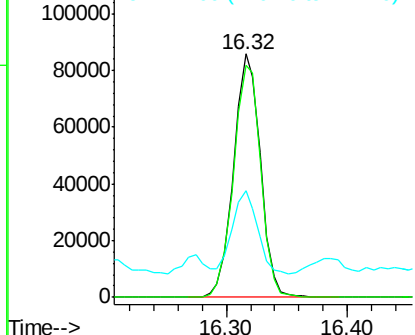
#41
 2,4,6-Tribromophenol
 Concen: 146.31 ng
 RT: 16.32 min Scan# 2294
 Delta R.T. 0.01 min
 Lab File: BG021709.D
 Acq: 16 Apr 2016 9:27

Instrument :
 BNA_G
 ClientSampleId :
 SB-14-5-10

Tot Ion:330 Resp: 132694
 Ion Ratio Lower Upper
 330 100
 332 97.3 78.0 117.0
 141 31.8 33.8 50.8#

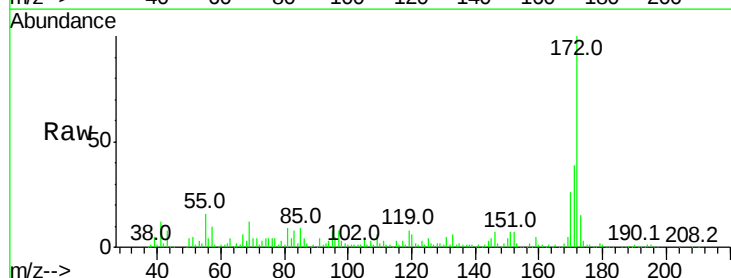


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

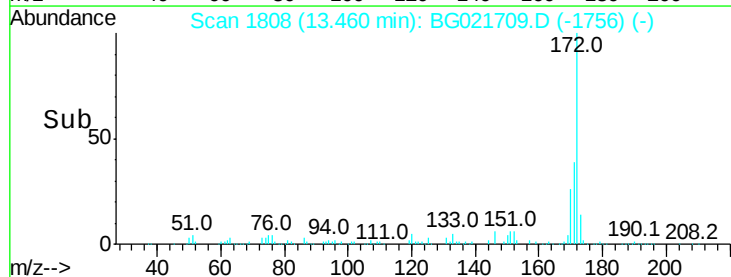
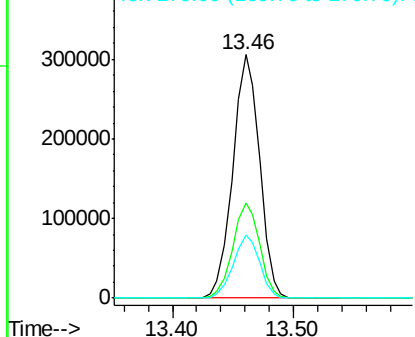


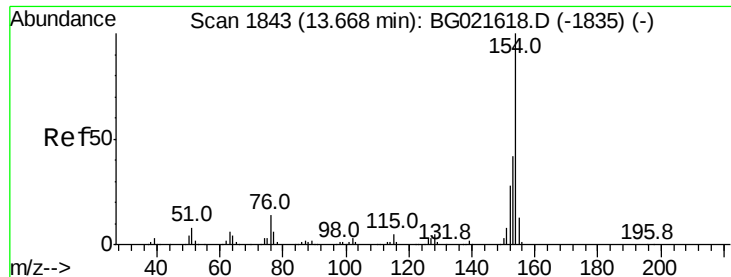
#44
 2-Fluorobiphenyl
 Concen: 82.21 ng
 RT: 13.46 min Scan# 1808
 Delta R.T. 0.00 min
 Lab File: BG021709.D
 Acq: 16 Apr 2016 9:27

Tgt Ion:172 Resp: 472160
 Ion Ratio Lower Upper
 172 100
 171 39.0 27.8 41.6
 170 25.8 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: 12.21 ng

RT: 13.67 min Scan# 1844

Delta R.T. 0.00 min

Lab File: BG021709.D

Acq: 16 Apr 2016 9:27

Instrument :

BNA_G

ClientSampleId :

SB-14-5-10

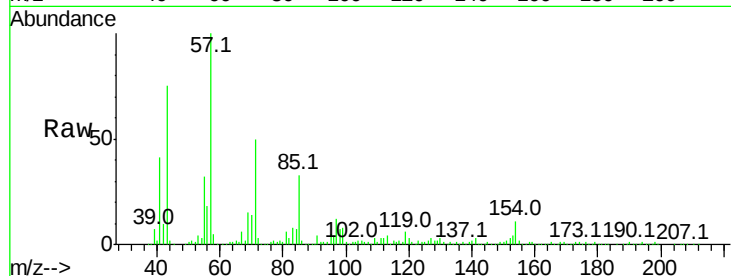
Tot Ion:154 Resp: 86535

Ion Ratio Lower Upper

154 100

153 41.2 19.7 59.7

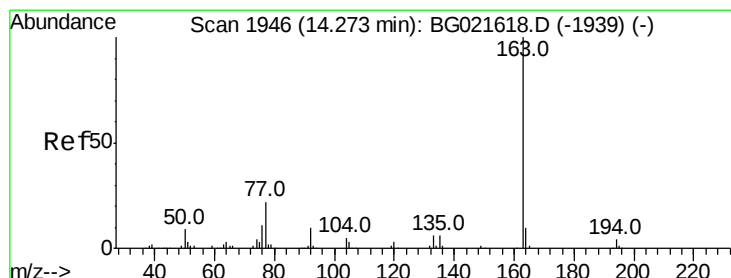
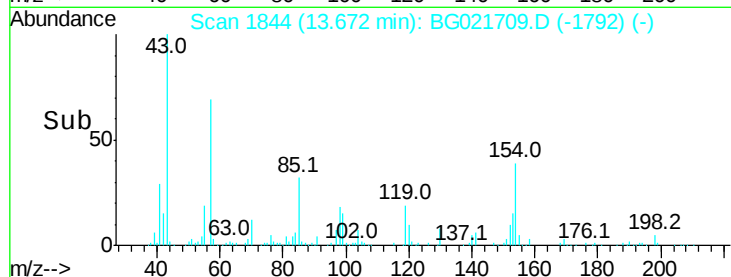
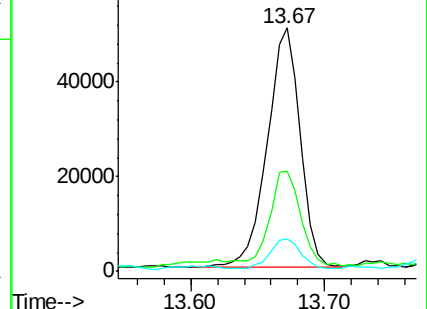
76 13.6 0.0 33.0



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: 6.38 ng

RT: 14.27 min Scan# 1946

Delta R.T. -0.00 min

Lab File: BG021709.D

Acq: 16 Apr 2016 9:27

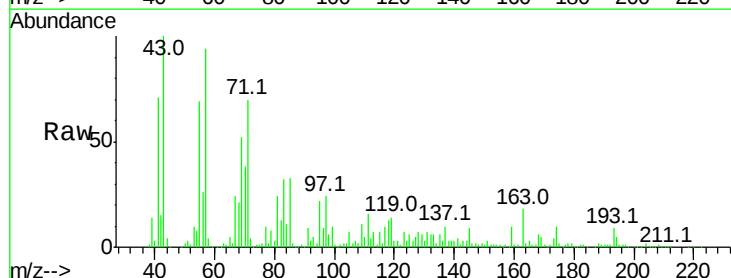
Tgt Ion:163 Resp: 46398

Ion Ratio Lower Upper

163 100

194 28.5 3.0 4.6#

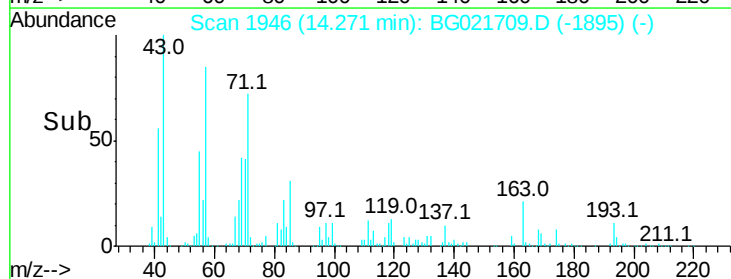
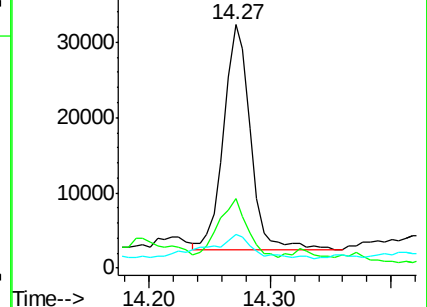
164 13.7 8.1 12.1#

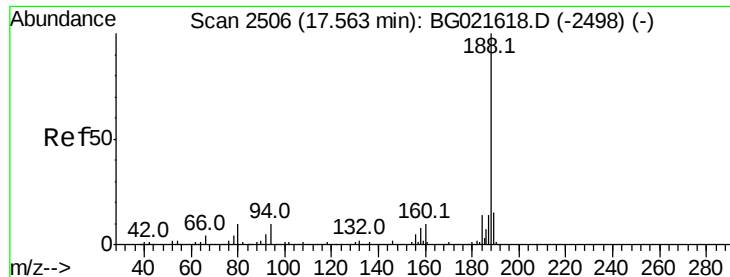


Abundance Ion 163.00 (162.70 to 163.70): E

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: BG021709.D

Acq: 16 Apr 2016 9:27

Instrument :

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ClientSampleId :

SB-14-5-10

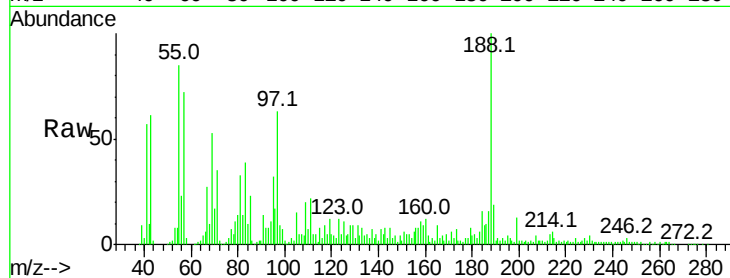
Tot Ion:188 Resp: 169117

Ion Ratio Lower Upper

188 100

94 10.9 7.5 11.3

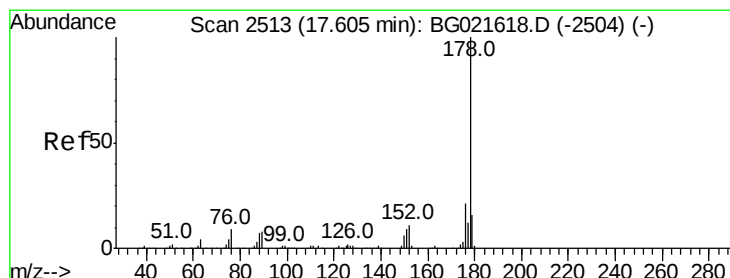
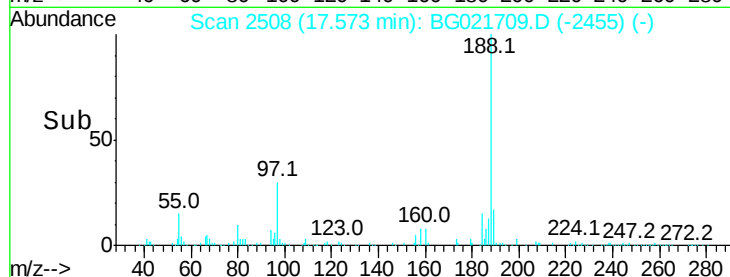
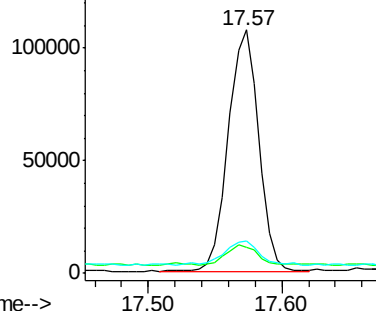
80 13.5 8.6 13.0#



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



#70

Phenanthrene

Concen: 4.91 ng

RT: 17.61 min Scan# 2515

Delta R.T. 0.01 min

Lab File: BG021709.D

Acq: 16 Apr 2016 9:27

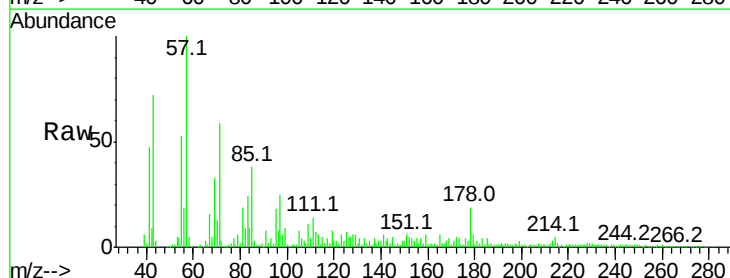
Tgt Ion:178 Resp: 45721

Ion Ratio Lower Upper

178 100

176 22.5 16.2 24.4

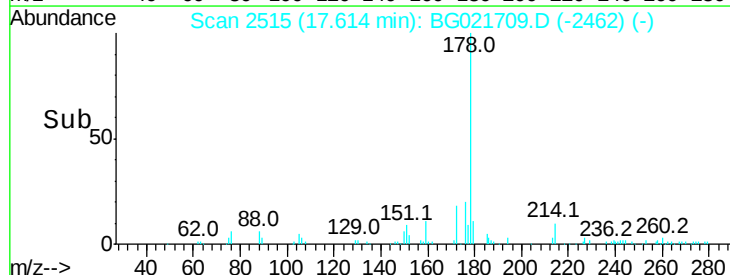
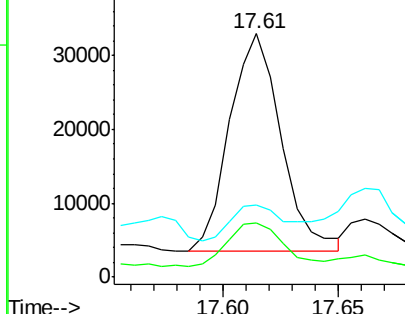
179 29.8 12.0 18.0#

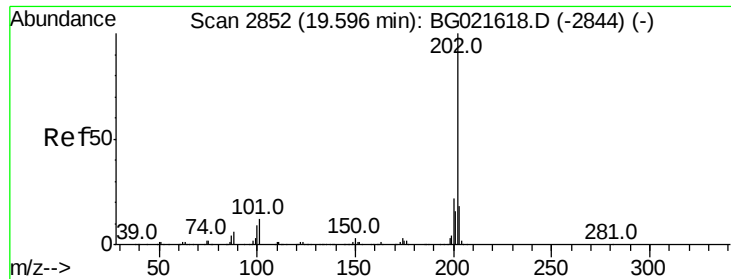


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#74

Fluoranthene

Concen: 2.49 ng

RT: 19.60 min Scan# 2853

Delta R.T. 0.00 min

Lab File: BG021709.D

Acq: 16 Apr 2016 9:27

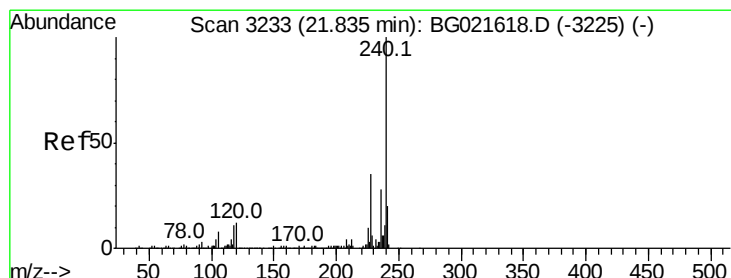
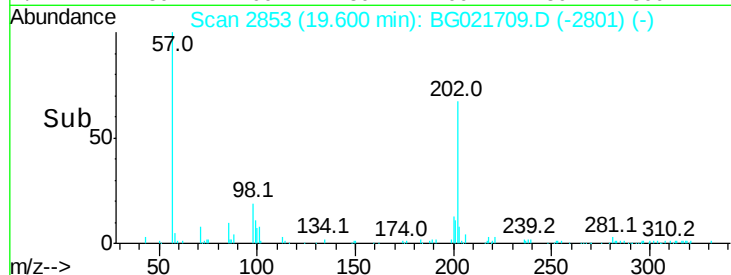
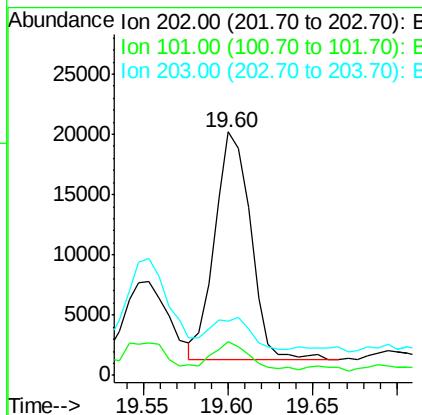
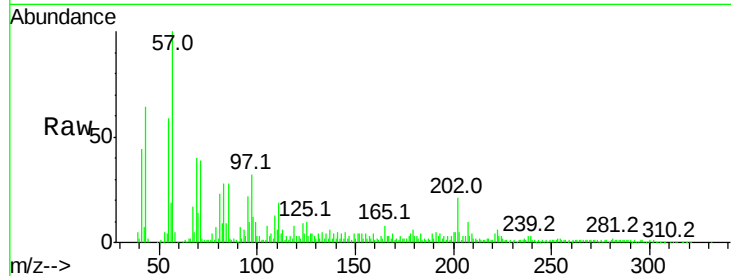
Instrument :

BNA_G

ClientSampleId :

SB-14-5-10

Tot Ion:	202	Resp:	27707
Ion	Ratio	Lower	Upper
202	100		
101	14.1	0.0	31.0
203	22.2	0.0	37.9



#75

Chrysene-d12

Concen: 20.00 ng

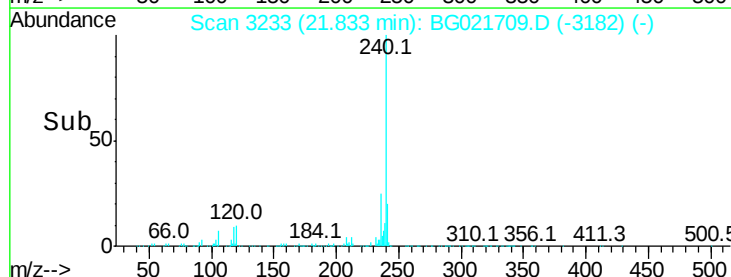
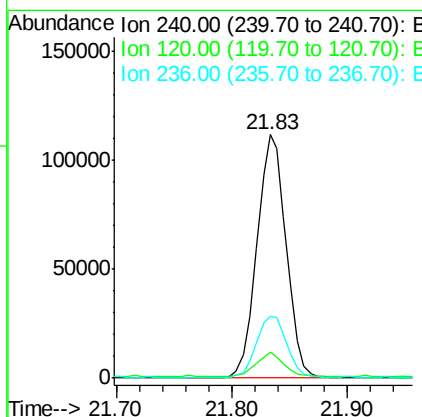
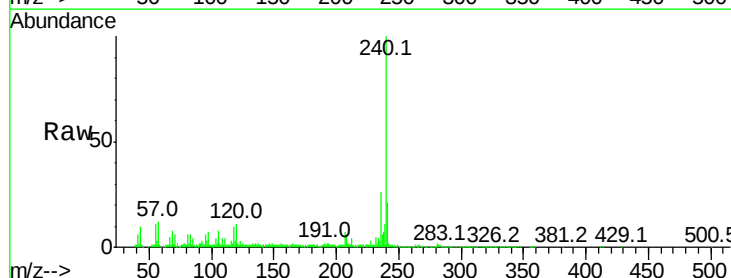
RT: 21.83 min Scan# 3233

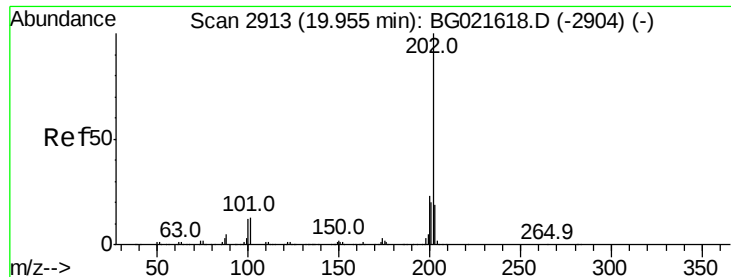
Delta R.T. -0.00 min

Lab File: BG021709.D

Acq: 16 Apr 2016 9:27

Tgt Ion:	240	Resp:	194459
Ion	Ratio	Lower	Upper
240	100		
120	10.6	8.4	12.6
236	25.5	19.6	29.4

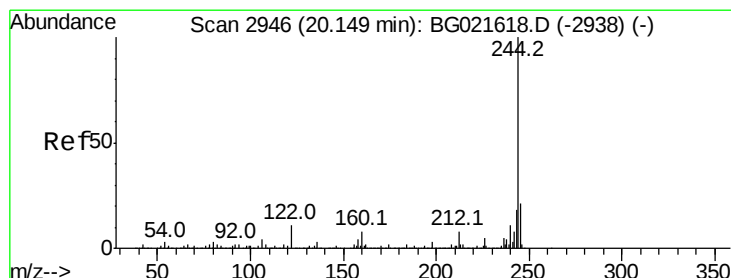
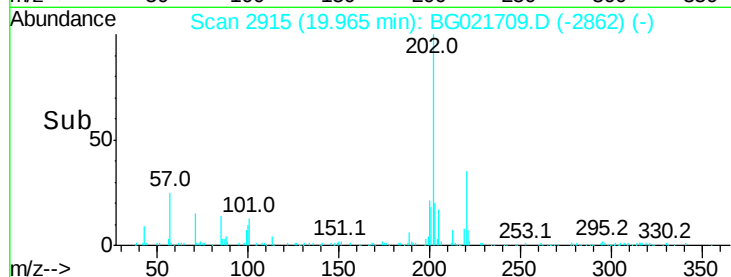
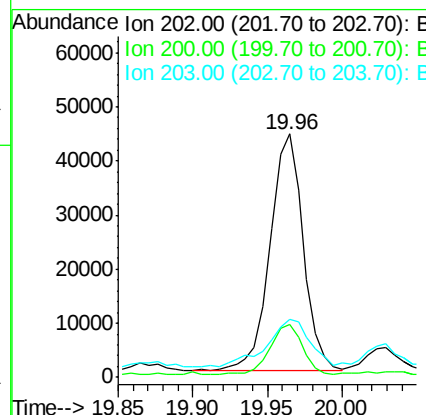
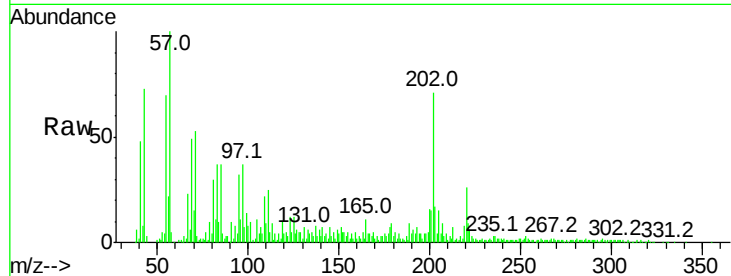




#77
Pvrene
Concen: 6.00 ng
RT: 19.96 min Scan# 2915
Delta R.T. 0.01 min
Lab File: BG021709.D
Acq: 16 Apr 2016 9:27

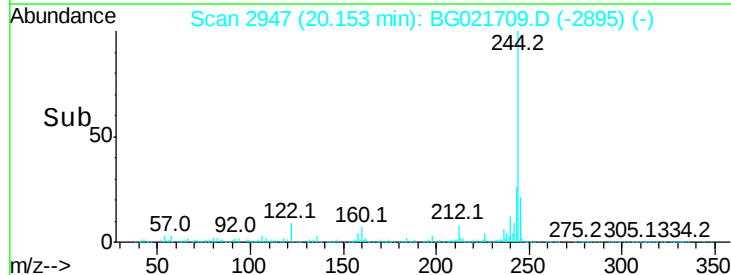
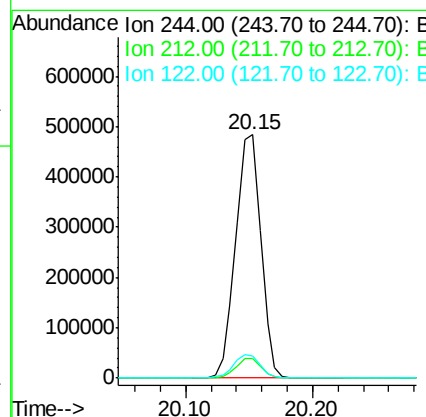
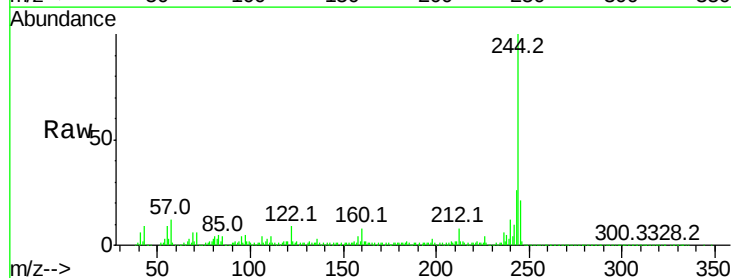
Instrument :
BNA_G
ClientSampleId :
SB-14-5-10

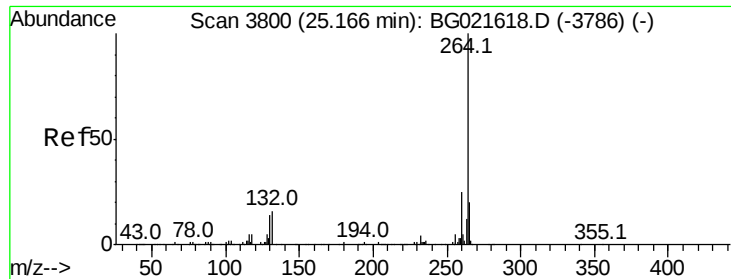
Tot Ion	Ratio	Lower	Upper
202	100		
200	22.0	18.2	27.2
203	23.9	15.0	22.4



#78
Terphenyl-d14
Concen: 85.30 ng
RT: 20.15 min Scan# 2947
Delta R.T. 0.00 min
Lab File: BG021709.D
Acq: 16 Apr 2016 9:27

Tgt Ion	Ratio	Lower	Upper
244	100		
212	7.9	6.5	9.7
122	9.2	8.6	12.8

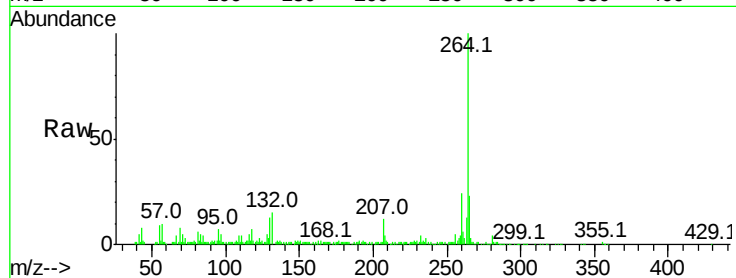




#86
Pervlene-d12
Concen: 20.00 ng
RT: 25.16 min Scan# 3800
Delta R.T. -0.00 min
Lab File: BG021709.D
Acq: 16 Apr 2016 9:27

Instrument :
BNA_G
ClientSampleId :
SB-14-5-10

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.4	20.2	30.4
265	23.2	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

