

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG041416\
 Data File : BG021670.D
 Acq On : 15 Apr 2016 2:30
 Operator : UM/SJ
 Sample : H2517-08
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 S8-0573

Quant Time: Apr 15 14:26:46 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

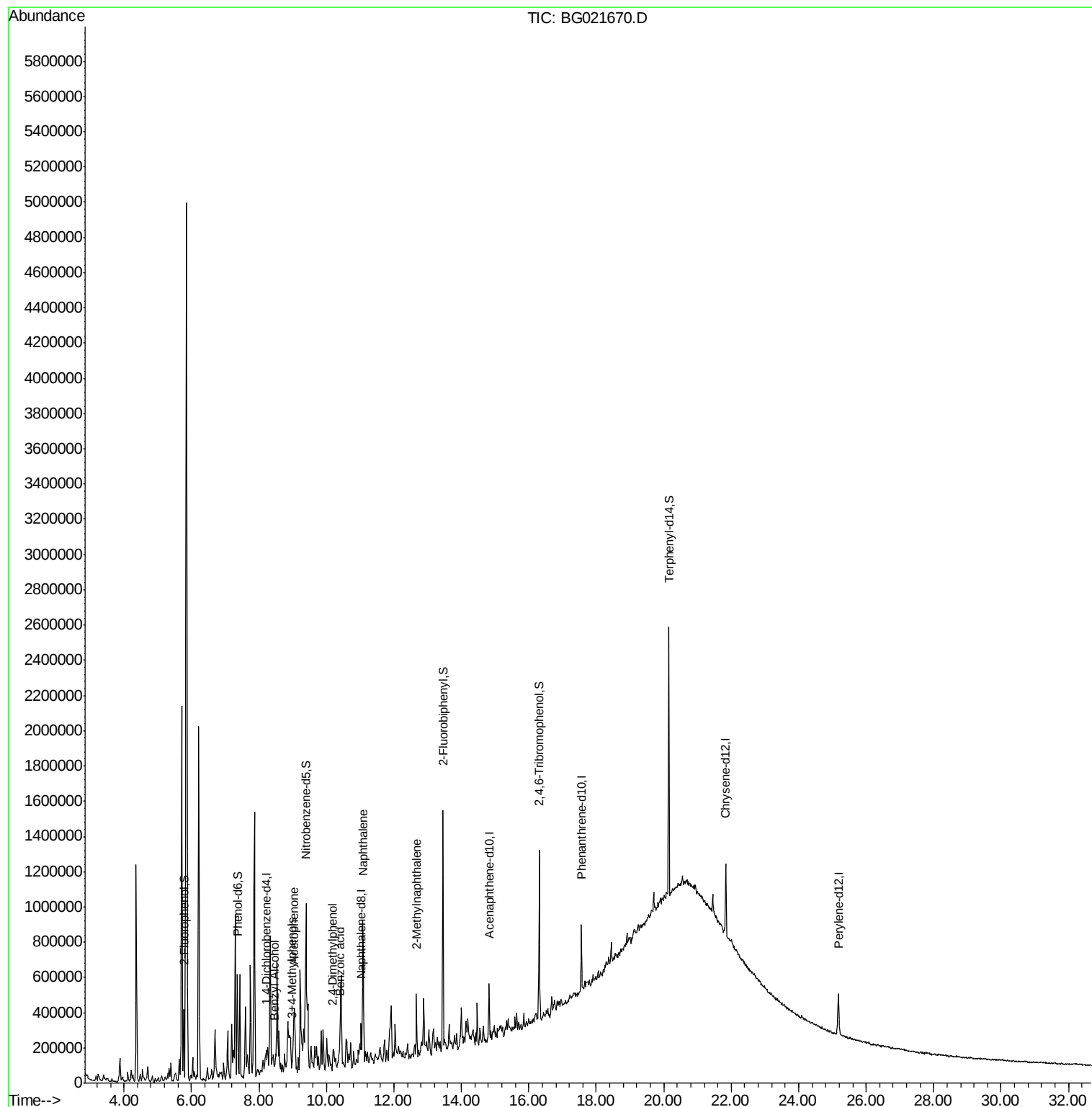
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.22	152	36414	20.00	ng	0.00
21) Naphthalene-d8	11.04	136	172607	20.00	ng	0.00
38) Acenaphthene-d10	14.82	164	108935	20.00	ng	0.00
63) Phenanthrene-d10	17.56	188	221630	20.00	ng	0.00
75) Chrysene-d12	21.84	240	249157	20.00	ng	0.00
86) Perylene-d12	25.18	264	244043	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.77	112	159840	73.10	ng	0.01
7) Phenol-d6	7.37	99	149058	45.63	ng	0.01
23) Nitrobenzene-d5	9.39	82	324299	96.57	ng	0.00
41) 2,4,6-Tribromophenol	16.31	330	178761	152.26	ng	0.00
44) 2-Fluorobiphenyl	13.46	172	711952	95.76	ng	0.00
78) Terphenyl-d14	20.15	244	656961	65.79	ng	0.00
Target Compounds						Qvalue
15) Benzyl Alcohol	8.45	79	7995	3.20	ng	# 83
20) 3+4-Methylphenols	8.98	107	13954	4.20	ng	93
22) Acetophenone	9.04	105	169774	35.31	ng	# 96
27) 2,4-Dimethylphenol	10.19	122	35456	11.37	ng	96
31) Naphthalene	11.08	128	651513	70.53	ng	# 93
32) Benzoic acid	10.39	122	35876	24.97	ng	# 83
37) 2-Methylnaphthalene	12.67	142	171716	27.08	ng	97

(#) = 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# 915

Delta R.T. -0.00 min

Lab File: BG021670.D

Acq: 15 Apr 2016 2:30

Instrument :

BNA_G

ClientSampleId :

S8-0573

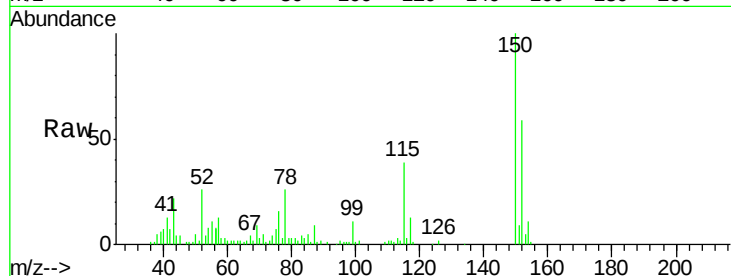
Tgt Ion:152 Resp: 36414

Ion Ratio Lower Upper

152 100

150 168.5 130.1 195.1

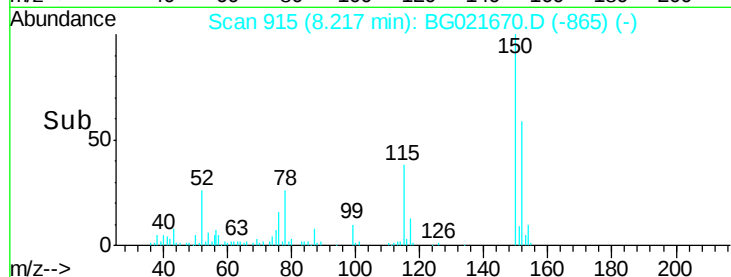
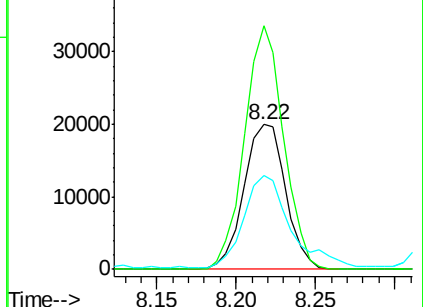
115 65.3 62.2 93.2



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: 73.10 ng

RT: 5.77 min Scan# 499

Delta R.T. 0.01 min

Lab File: BG021670.D

Acq: 15 Apr 2016 2:30

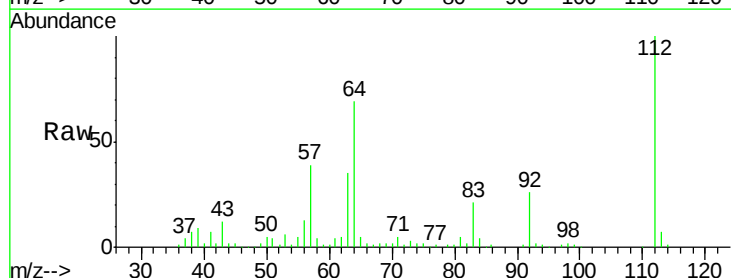
Tgt Ion:112 Resp: 159840

Ion Ratio Lower Upper

112 100

64 68.7 51.1 76.7

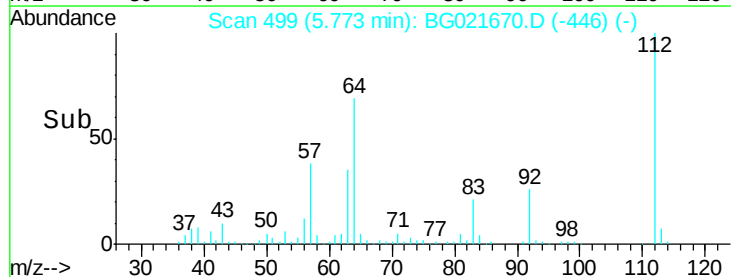
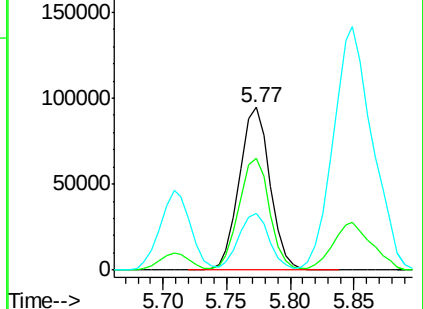
63 34.8 24.6 37.0

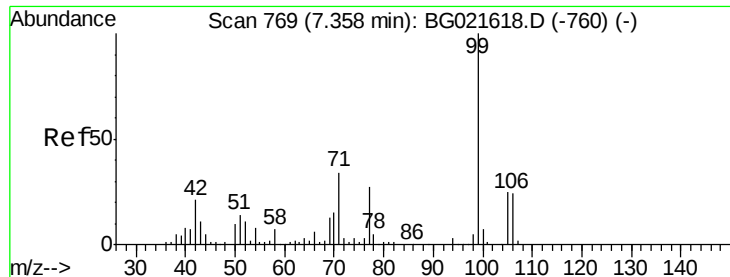


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BGC

Ion 63.00 (62.70 to 63.70): BGC





#7

Phenol-d6

Concen: 45.63 ng

RT: 7.37 min Scan# 771

Delta R.T. 0.01 min

Lab File: BG021670.D

Acq: 15 Apr 2016 2:30

Instrument :

BNA_G

ClientSampled :

S8-0573

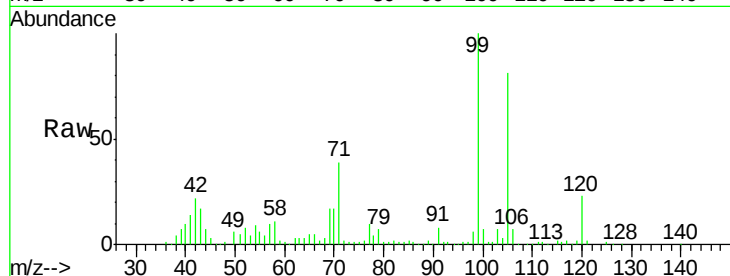
Tgt Ion: 99 Resp: 149058

Ion Ratio Lower Upper

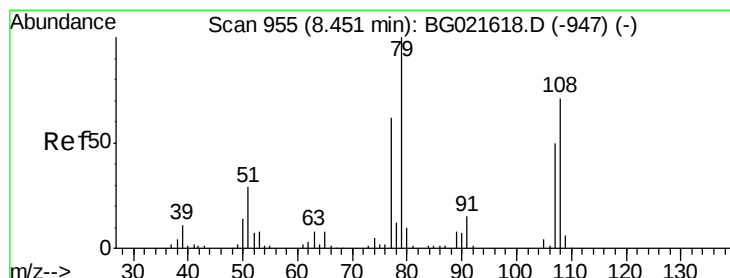
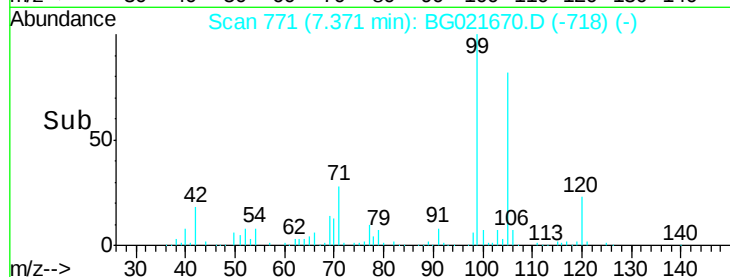
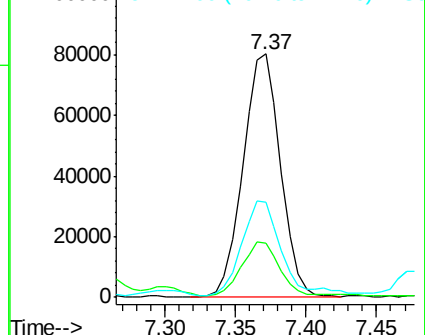
99 100

42 22.1 16.4 24.6

71 38.9 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



#15

Benzyl Alcohol

Concen: 3.20 ng

RT: 8.45 min Scan# 955

Delta R.T. 0.00 min

Lab File: BG021670.D

Acq: 15 Apr 2016 2:30

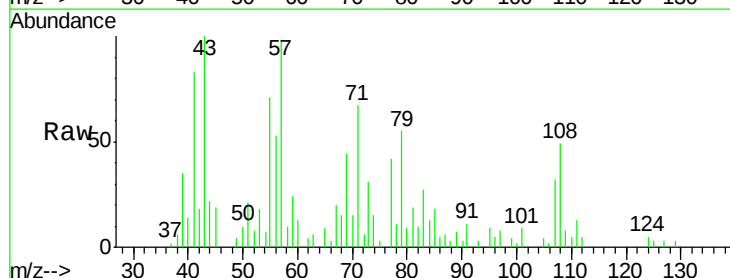
Tgt Ion: 79 Resp: 7995

Ion Ratio Lower Upper

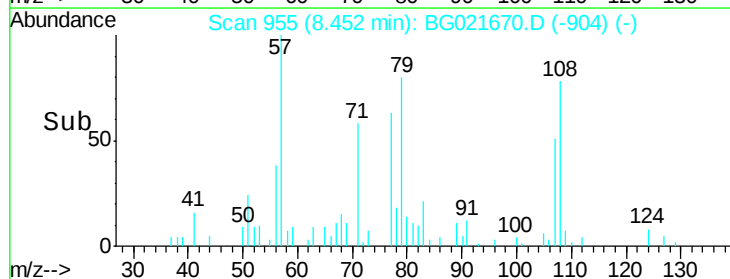
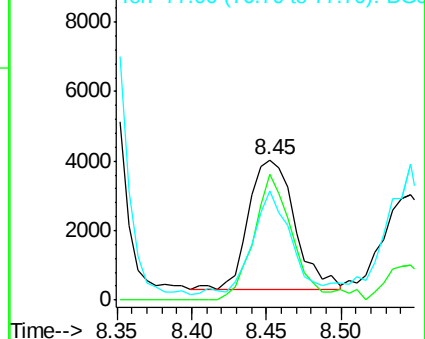
79 100

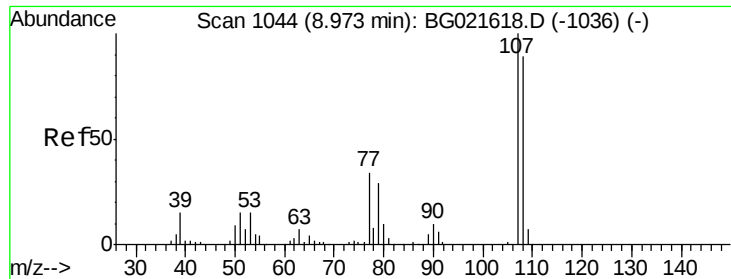
108 89.2 59.4 89.0#

77 77.4 52.2 78.2



Abundance Ion 79.00 (78.70 to 79.70): BGC
Ion 108.00 (107.70 to 108.70): BGC
Ion 77.00 (76.70 to 77.70): BGC

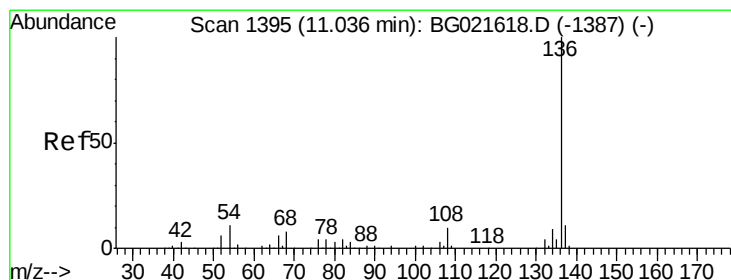
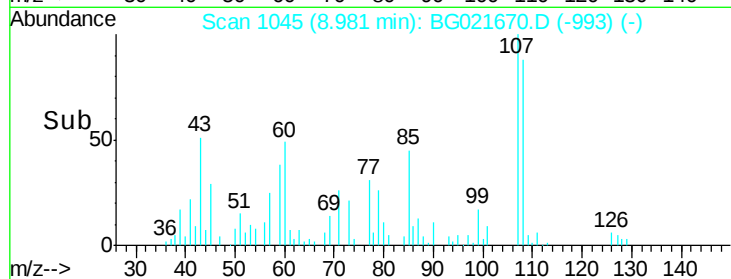
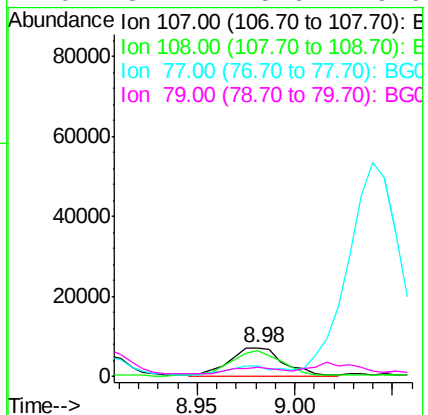
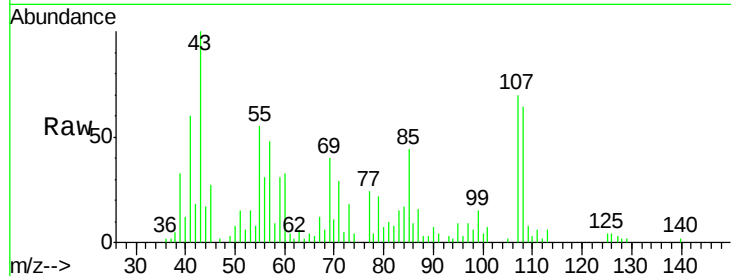




#20
3+4-Methylphenols
Concen: 4.20 ng
RT: 8.98 min Scan# 1045
Delta R.T. 0.01 min
Lab File: BG021670.D
Acq: 15 Apr 2016 2:30

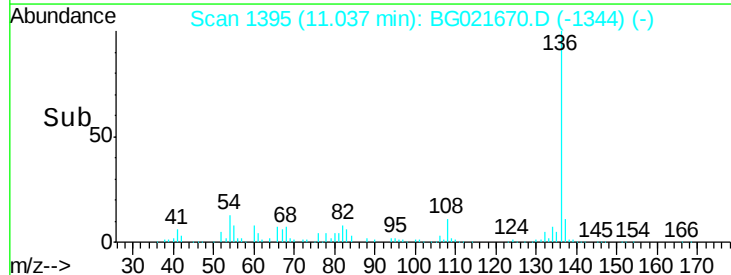
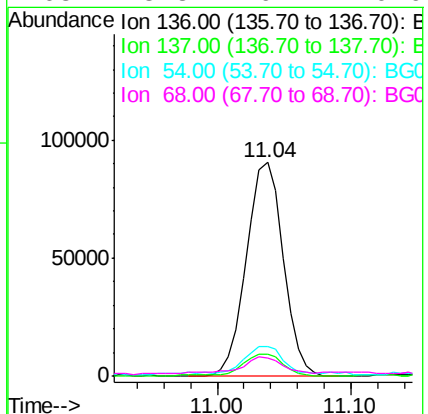
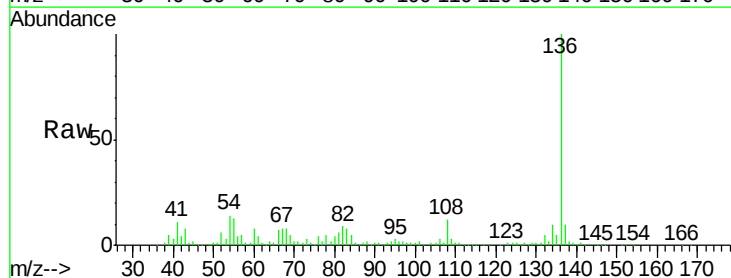
Instrument :
BNA_G
ClientSampleId :
S8-0573

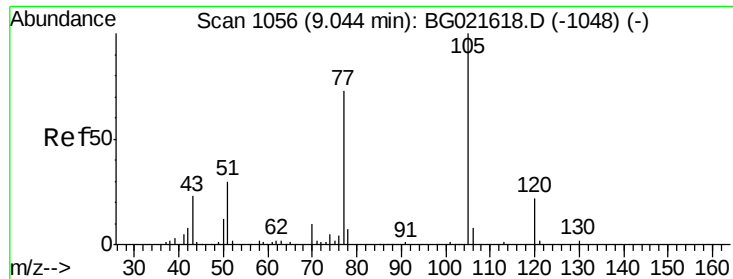
Tgt Ion:	107	Resp:	13954
Ion	Ratio	Lower	Upper
107	100		
108	91.5	66.2	106.2
77	34.8	11.5	51.5
79	31.7	5.6	45.6



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 11.04 min Scan# 1395
Delta R.T. 0.00 min
Lab File: BG021670.D
Acq: 15 Apr 2016 2:30

Tgt Ion:	136	Resp:	172607
Ion	Ratio	Lower	Upper
136	100		
137	10.5	9.0	13.4
54	13.9	9.6	14.4
68	8.3	6.4	9.6





#22

Acetophenone

Concen: 35.31 ng

RT: 9.04 min Scan# 1055

Delta R.T. -0.00 min

Lab File: BG021670.D

Acq: 15 Apr 2016 2:30

Instrument :

BNA_G

ClientSampleId :

S8-0573

Tgt Ion: 105 Resp: 169774

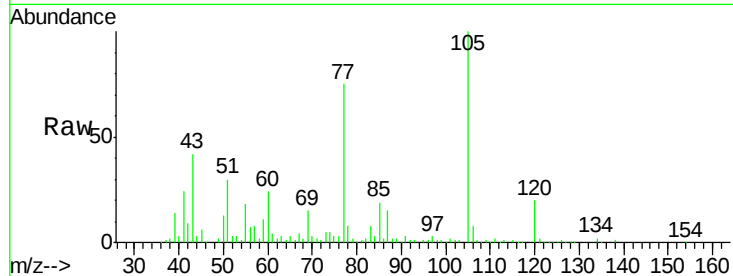
Ion Ratio Lower Upper

105 100

71 1.5 0.0 0.0#

51 29.6 25.7 38.5

120 20.1 17.0 25.6

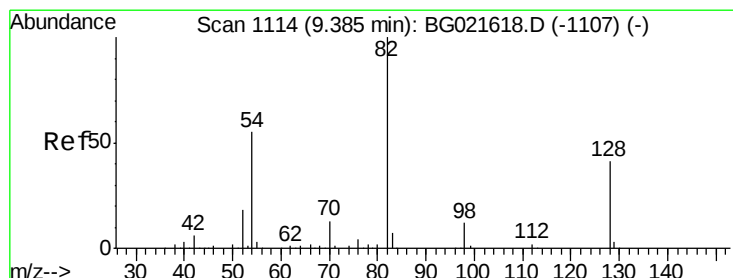
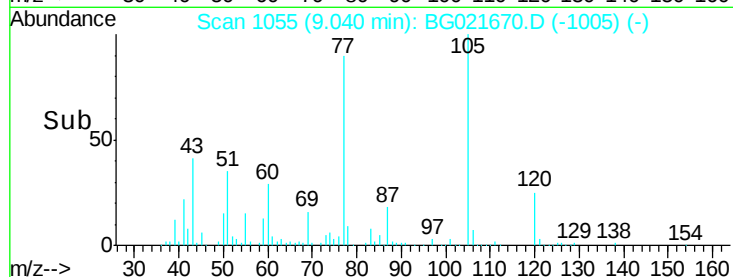
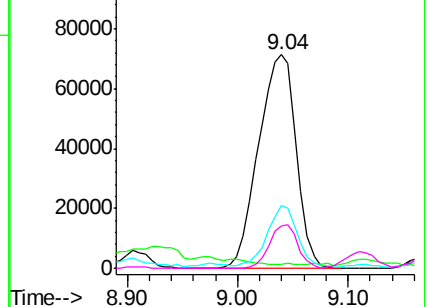


Abundance Ion 105.00 (104.70 to 105.70): E

Ion 71.00 (70.70 to 71.70): BGC

Ion 51.00 (50.70 to 51.70): BGC

Ion 120.00 (119.70 to 120.70): E



#23

Nitrobenzene-d5

Concen: 96.57 ng

RT: 9.39 min Scan# 1114

Delta R.T. 0.00 min

Lab File: BG021670.D

Acq: 15 Apr 2016 2:30

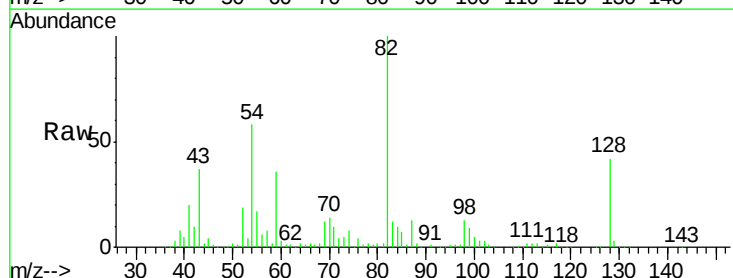
Tgt Ion: 82 Resp: 324299

Ion Ratio Lower Upper

82 100

128 41.9 33.4 50.0

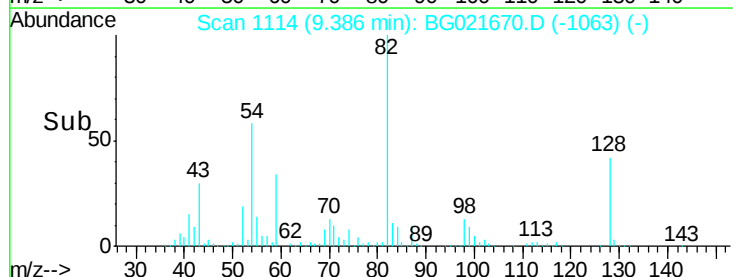
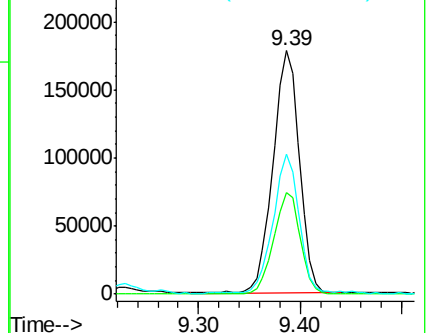
54 57.7 46.1 69.1

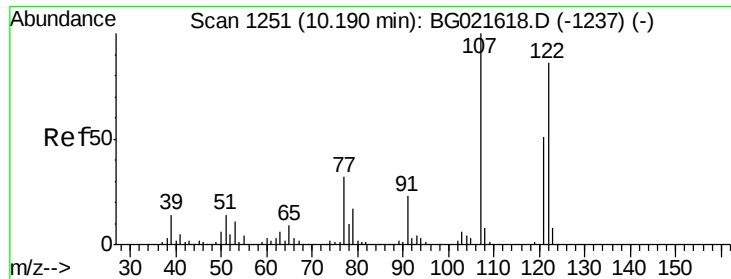


Abundance Ion 82.00 (81.70 to 82.70): BGC

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BGC

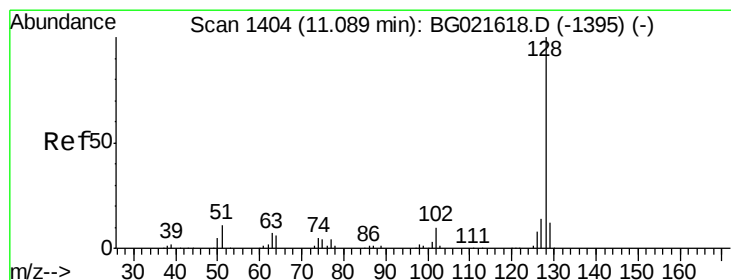
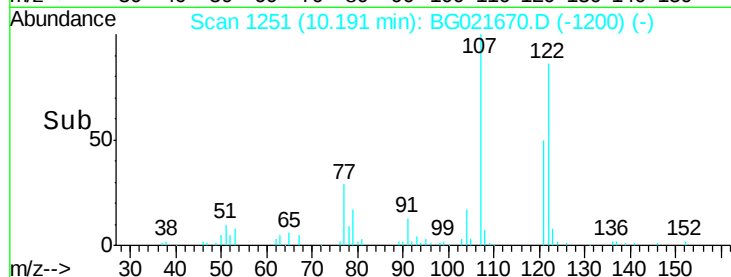
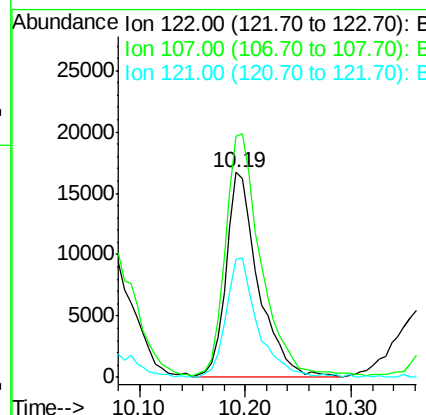
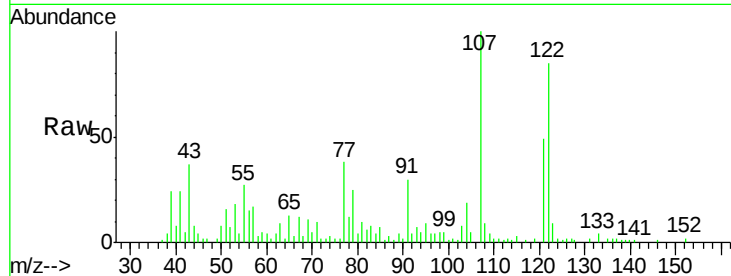




#27
2,4-Dimethylphenol
Concen: 11.37 ng
RT: 10.19 min Scan# 1251
Delta R.T. 0.00 min
Lab File: BG021670.D
Acq: 15 Apr 2016 2:30

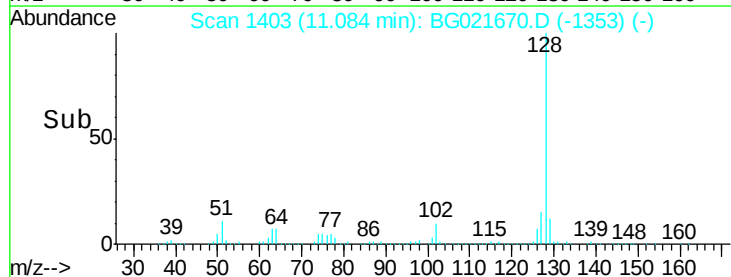
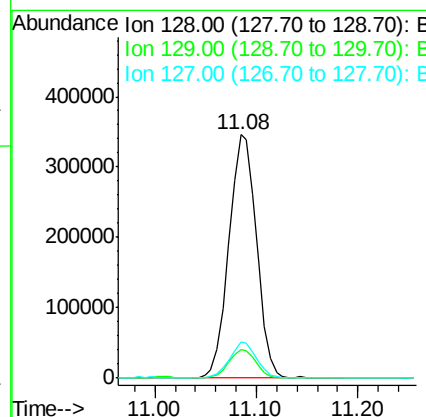
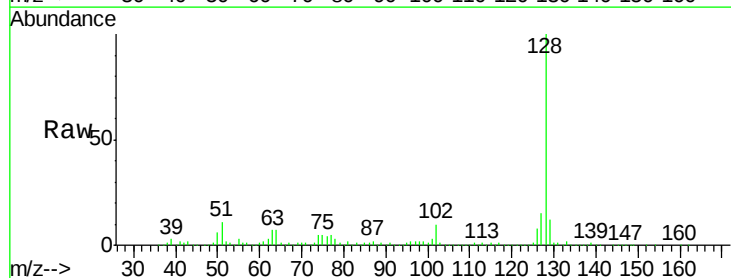
Instrument :
BNA_G
ClientSampled :
S8-0573

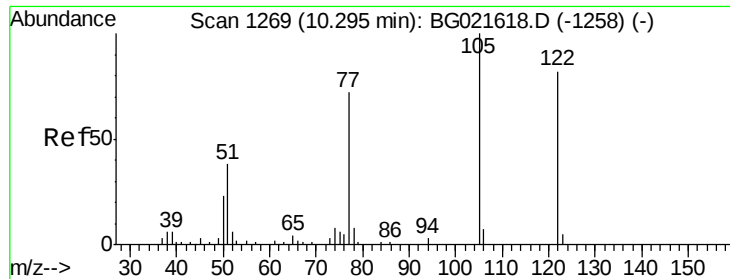
Tgt Ion:122 Resp: 35456
Ion Ratio Lower Upper
122 100
107 117.5 97.2 145.8
121 57.6 49.0 73.4



#31
Naphthalene
Concen: 70.53 ng
RT: 11.08 min Scan# 1403
Delta R.T. -0.00 min
Lab File: BG021670.D
Acq: 15 Apr 2016 2:30

Tgt Ion:128 Resp: 651513
Ion Ratio Lower Upper
128 100
129 11.7 7.0 10.6#
127 15.0 10.1 15.1





#32

Benzoic acid

Concen: 24.97 ng

RT: 10.39 min Scan# 1285

Delta R.T. 0.10 min

Lab File: BG021670.D

Acq: 15 Apr 2016 2:30

Instrument :

BNA_G

ClientSampleId :

S8-0573

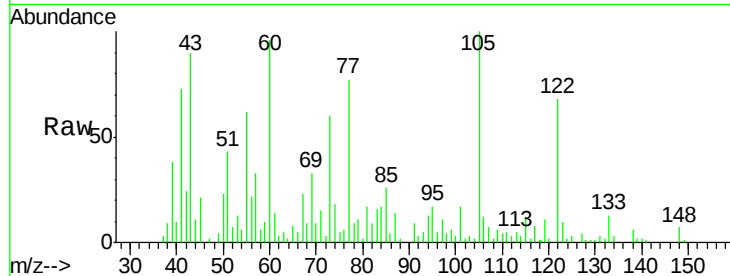
Tgt Ion:122 Resp: 35876

Ion Ratio Lower Upper

122 100

105 146.7 104.5 144.5#

77 112.7 79.9 119.9

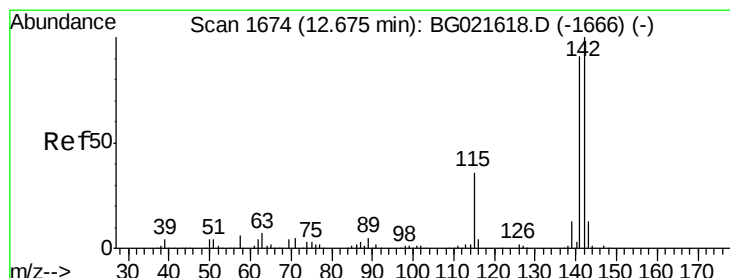
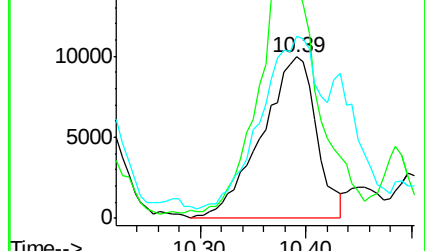
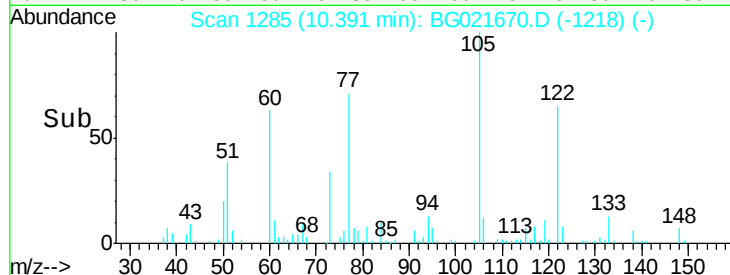


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): E

Time-->



#37

2-Methylnaphthalene

Concen: 27.08 ng

RT: 12.67 min Scan# 1673

Delta R.T. -0.00 min

Lab File: BG021670.D

Acq: 15 Apr 2016 2:30

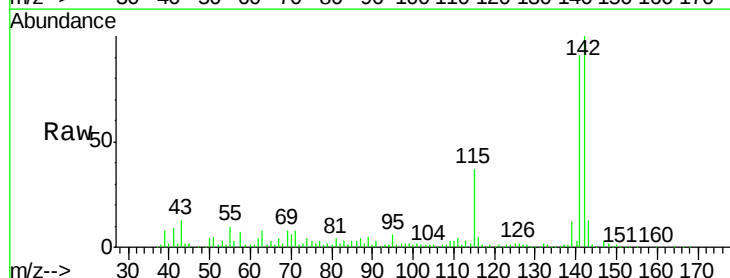
Tgt Ion:142 Resp: 171716

Ion Ratio Lower Upper

142 100

141 90.9 71.4 107.0

115 37.2 27.4 41.2

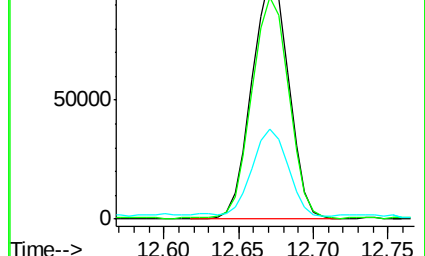
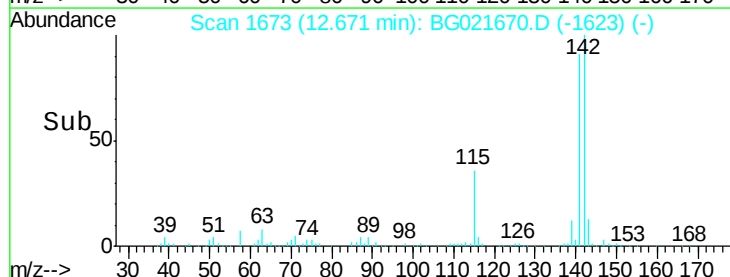


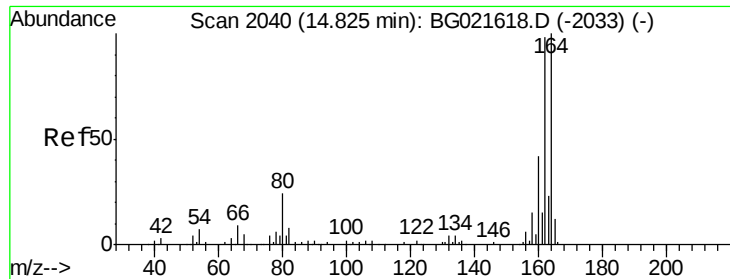
Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E

Time-->





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 14.82 min Scan# 2039

Delta R.T. -0.00 min

Lab File: BG021670.D

Acq: 15 Apr 2016 2:30

Instrument :

BNA_G

ClientSampleId :

S8-0573

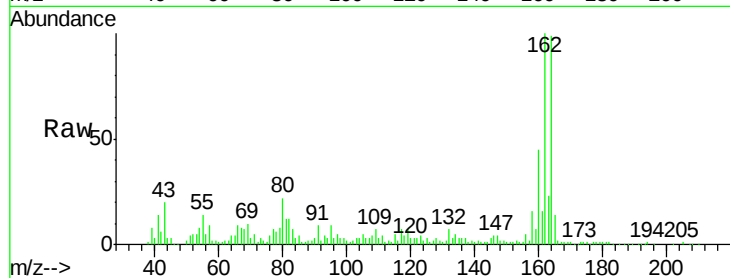
Tgt Ion:164 Resp: 108935

Ion Ratio Lower Upper

164 100

162 101.2 78.0 117.0

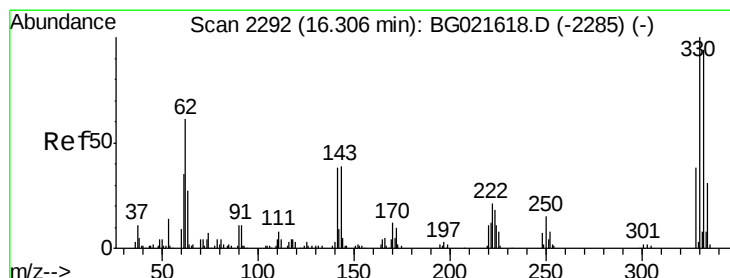
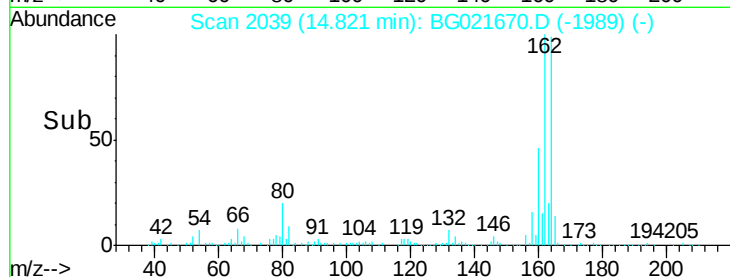
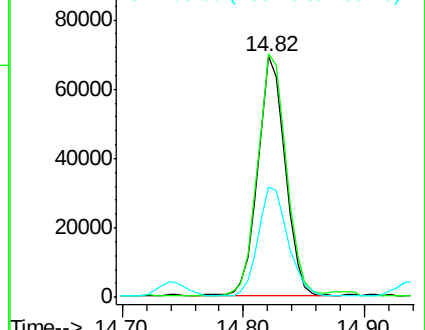
160 46.0 32.9 49.3



Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#41

2,4,6-Tribromophenol

Concen: 152.26 ng

RT: 16.31 min Scan# 2292

Delta R.T. 0.00 min

Lab File: BG021670.D

Acq: 15 Apr 2016 2:30

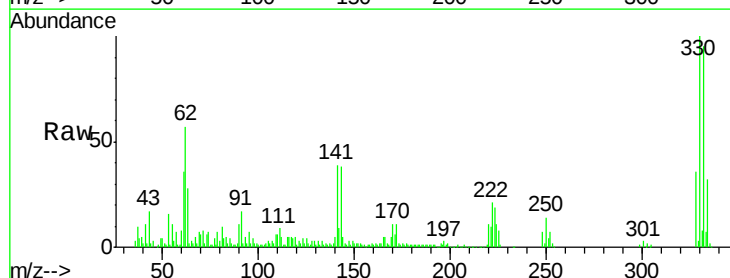
Tgt Ion:330 Resp: 178761

Ion Ratio Lower Upper

330 100

332 96.7 78.0 117.0

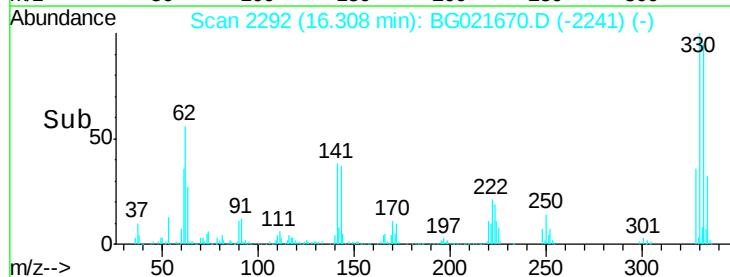
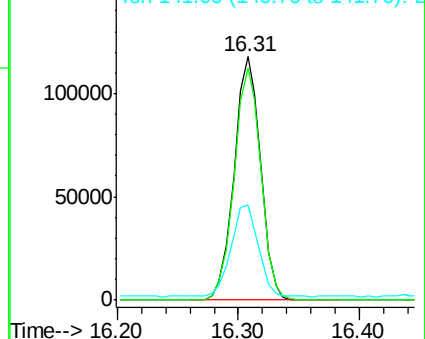
141 39.6 33.8 50.8

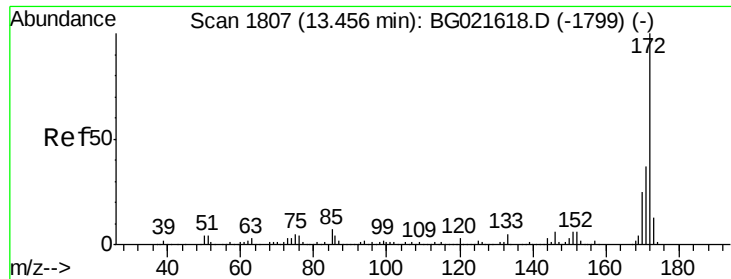


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E





#44

2-Fluorobiphenyl

Concen: 95.76 ng

RT: 13.46 min Scan# 1807

Delta R.T. 0.00 min

Lab File: BG021670.D

Acq: 15 Apr 2016 2:30

Instrument :

BNA_G

ClientSampleId :

S8-0573

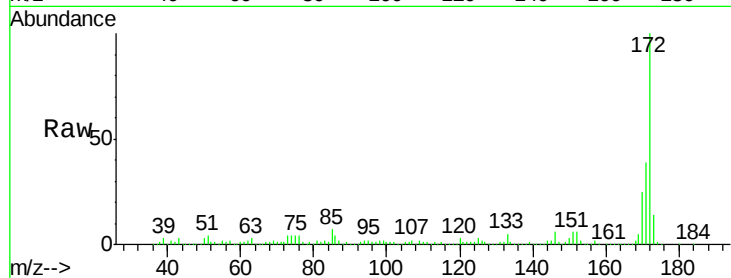
Tgt Ion:172 Resp: 711952

Ion Ratio Lower Upper

172 100

171 39.0 27.8 41.6

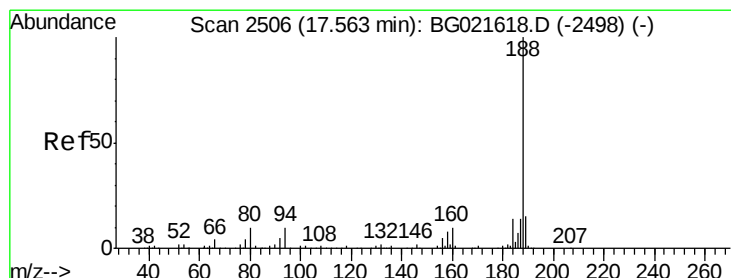
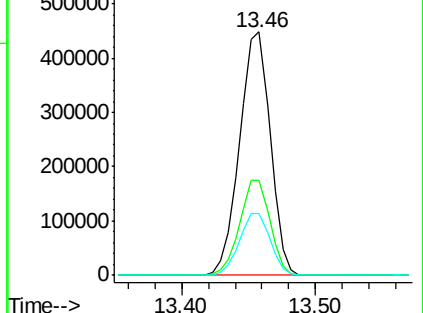
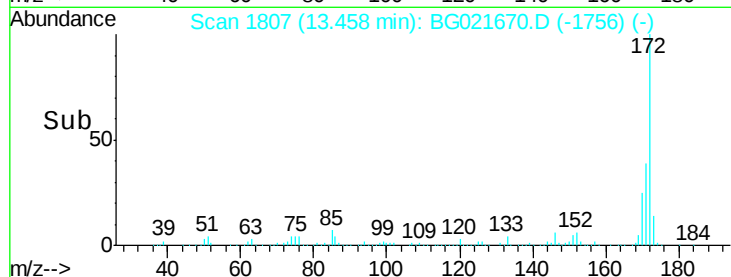
170 25.3 19.6 29.4



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



#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 17.56 min Scan# 2505

Delta R.T. -0.00 min

Lab File: BG021670.D

Acq: 15 Apr 2016 2:30

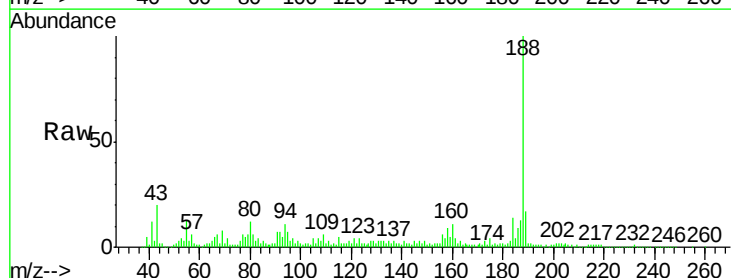
Tgt Ion:188 Resp: 221630

Ion Ratio Lower Upper

188 100

94 10.8 7.5 11.3

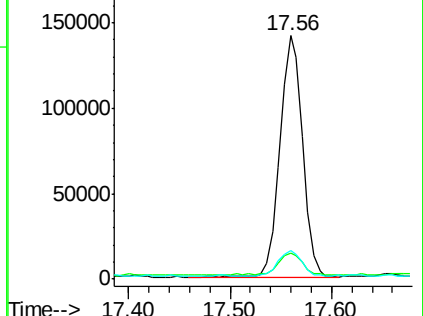
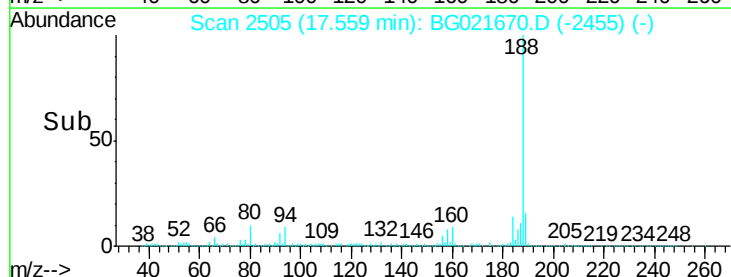
80 11.5 8.6 13.0

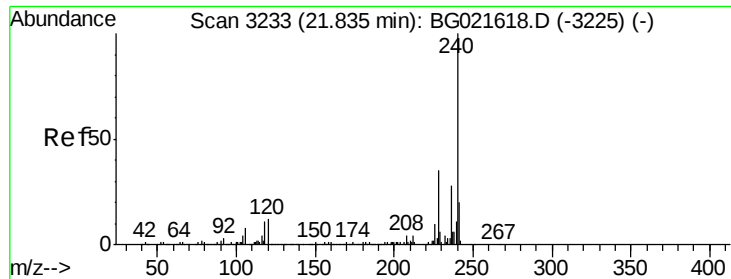


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC





#75

Chrysene-d12

Concen: 20.00 ng

RT: 21.84 min Scan# 3233

Delta R.T. 0.00 min

Lab File: BG021670.D

Acq: 15 Apr 2016 2:30

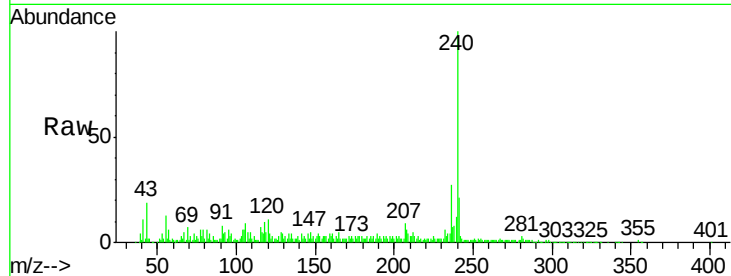
Instrument :

BNA_G

ClientSampleId :

S8-0573

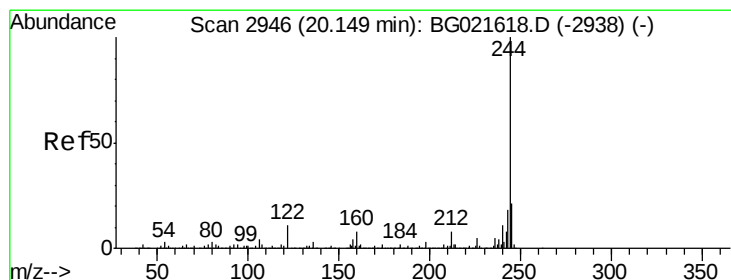
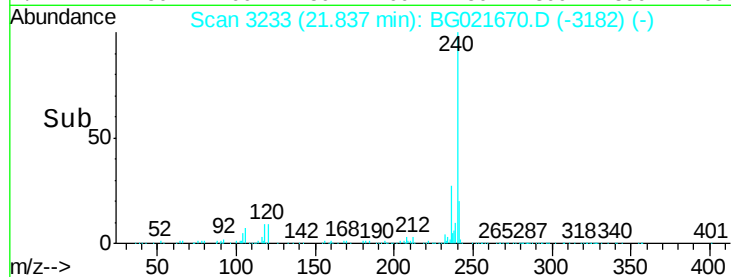
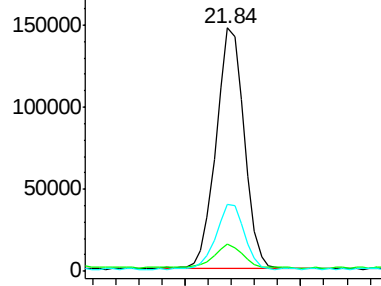
Tgt Ion:	240	Resp:	249157
Ion Ratio	Lower	Upper	
240	100		
120	11.4	8.4	12.6
236	27.4	19.6	29.4



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



#78

Terphenyl-d14

Concen: 65.79 ng

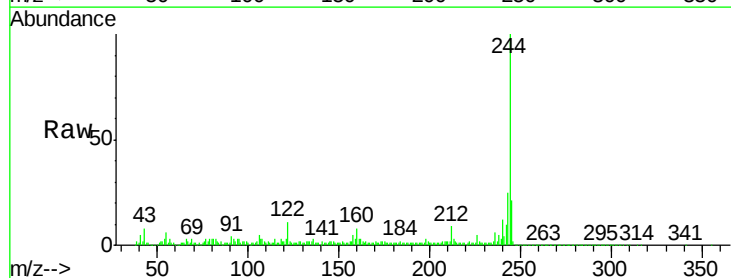
RT: 20.15 min Scan# 2946

Delta R.T. 0.00 min

Lab File: BG021670.D

Acq: 15 Apr 2016 2:30

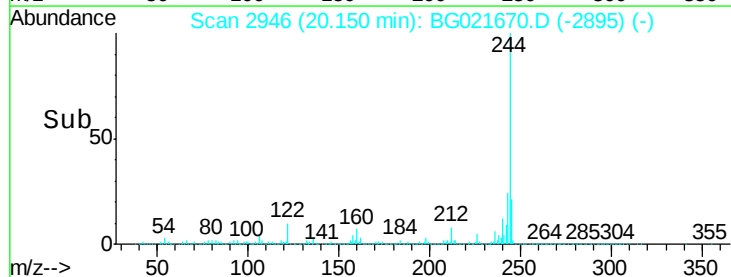
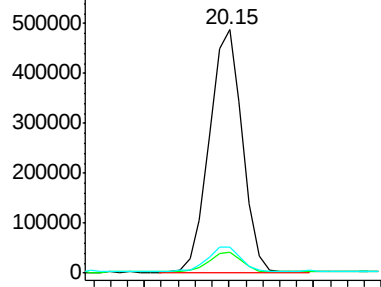
Tgt Ion:	244	Resp:	656961
Ion Ratio	Lower	Upper	
244	100		
212	8.8	6.5	9.7
122	10.9	8.6	12.8

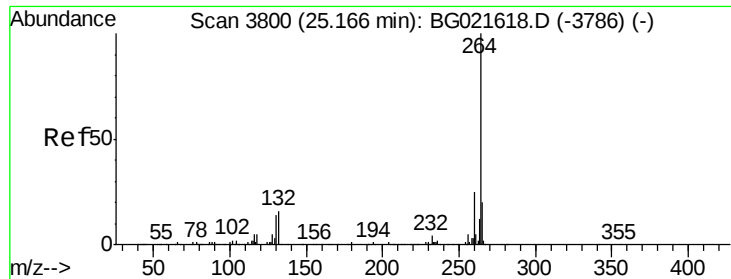


Abundance Ion 244.00 (243.70 to 244.70): E

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: 25.18 min Scan# 3802
Delta R.T. 0.01 min
Lab File: BG021670.D
Acq: 15 Apr 2016 2:30

Instrument :
BNA_G
ClientSampleId :
S8-0573

Tgt Ion: 264 Resp: 244043
Ion Ratio Lower Upper
264 100
260 24.5 20.2 30.4
265 22.5 17.8 26.8

