

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG041416\
 Data File : BG021657.D
 Acq On : 14 Apr 2016 17:55
 Operator : UM/SJ
 Sample : H1739-06DL 5X
 Misc :
 ALS Vial : 44 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 PT-ACIDS-WPDL

Quant Time: Apr 15 00:52:45 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

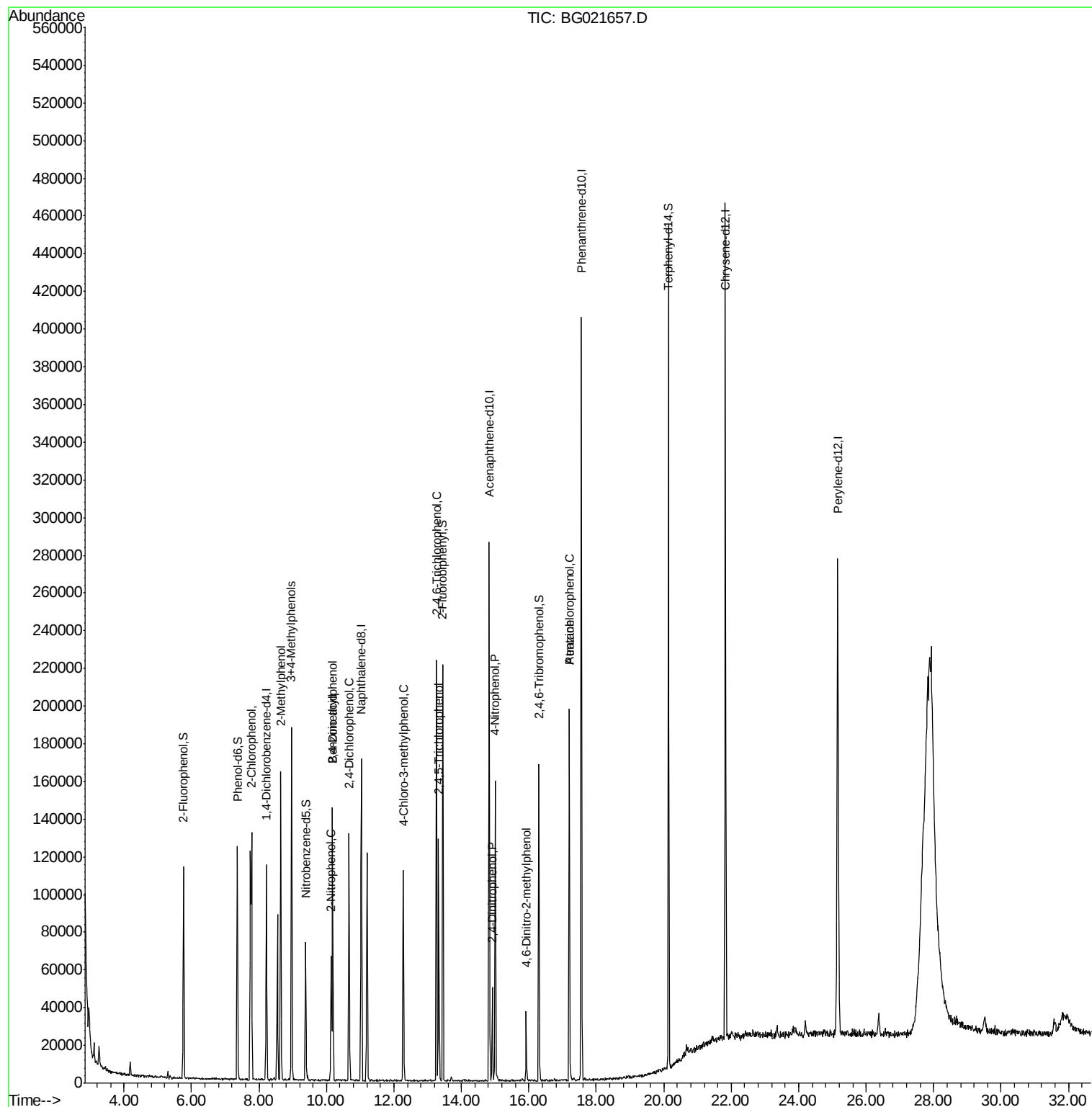
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.22	152	31637	20.00	ng	0.00
21) Naphthalene-d8	11.03	136	146240	20.00	ng	0.00
38) Acenaphthene-d10	14.82	164	96874	20.00	ng	0.00
63) Phenanthrene-d10	17.56	188	238724	20.00	ng	0.00
75) Chrysene-d12	21.83	240	269804	20.00	ng	0.00
86) Perylene-d12	25.16	264	260974	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.76	112	50243	26.45	ng	0.00
7) Phenol-d6	7.36	99	75093	26.46	ng	0.00
23) Nitrobenzene-d5	9.38	82	46615	16.38	ng	0.00
41) 2,4,6-Tribromophenol	16.30	330	28968	27.75	ng	0.00
44) 2-Fluorobiphenyl	13.45	172	115320	17.44	ng	0.00
78) Terphenyl-d14	20.14	244	188831	17.46	ng	0.00
Target Compounds						Qvalue
8) 2-Chlorophenol	7.78	128	59880	26.29	ng	93
17) 2-Methylphenol	8.65	107	52843	25.04	ng	90
20) 3+4-Methylphenols	8.97	107	86481	29.95	ng	93
26) 2-Nitrophenol	10.13	139	21265	18.28	ng	96
27) 2,4-Dimethylphenol	10.19	122	45544	17.24	ng	93
29) 2,4-Dichlorophenol	10.67	162	49385	21.93	ng	97
32) Benzoic acid	10.19	122	45544	33.81	ng	# 12
36) 4-Chloro-3-methylphenol	12.27	107	41401	14.62	ng	95
42) 2,4,6-Trichlorophenol	13.26	196	52046	26.96	ng	97
43) 2,4,5-Trichlorophenol	13.33	196	34697	16.66	ng	95
53) 2,4-Dinitrophenol	14.92	184	10823	23.43	ng	93
55) 4-Nitrophenol	15.01	139	39473	26.03	ng	94
64) 4,6-Dinitro-2-methylphenol	15.92	198	8232	12.75	ng	94
68) Atrazine	17.20	200	7899	2.79	ng	# 36
69) Pentachlorophenol	17.20	266	37070	24.05	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: 8.22 min Scan# 916

Delta R.T. -0.00 min

Lab File: BG021657.D

Acq: 14 Apr 2016 17:55

Instrument :

BNA_G

ClientSampleId :

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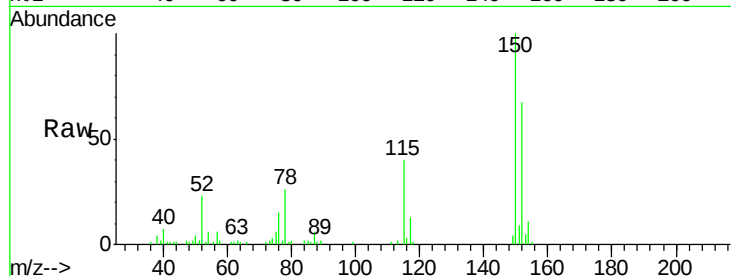
Tgt Ion:152 Resp: 31637

Ion Ratio Lower Upper

152 100

150 148.9 130.1 195.1

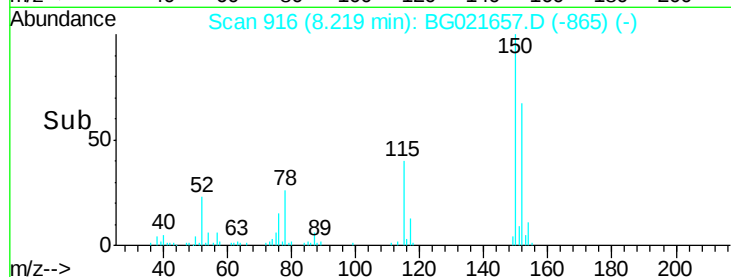
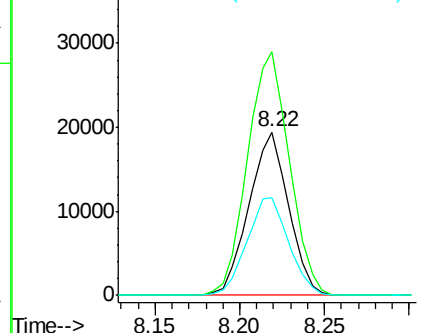
115 59.5 62.2 93.2#



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: 26.45 ng

RT: 5.76 min Scan# 498

Delta R.T. 0.00 min

Lab File: BG021657.D

Acq: 14 Apr 2016 17:55

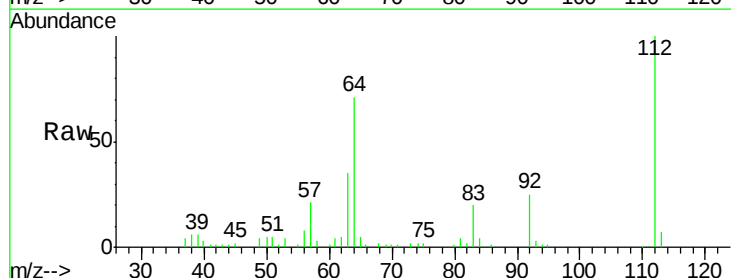
Tgt Ion:112 Resp: 50243

Ion Ratio Lower Upper

112 100

64 70.8 51.1 76.7

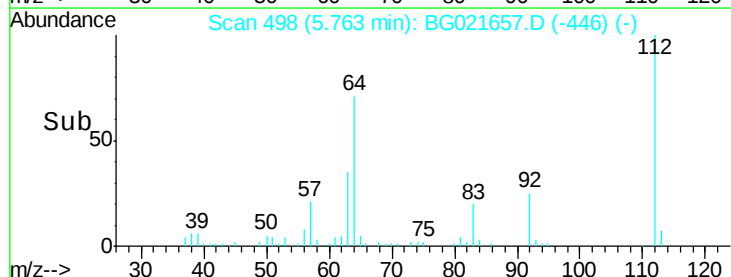
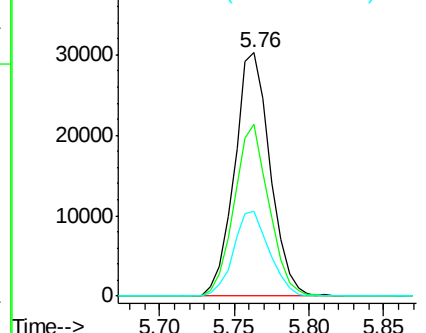
63 34.7 24.6 37.0

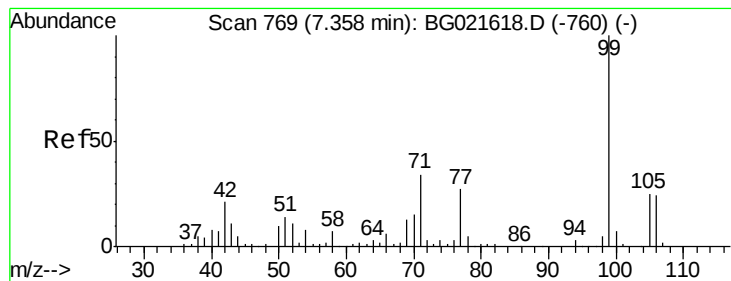


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BGC

Ion 63.00 (62.70 to 63.70): BGC





#7

Phenol-d6

Concen: 26.46 ng

RT: 7.36 min Scan# 769

Delta R.T. -0.00 min

Lab File: BG021657.D

Acq: 14 Apr 2016 17:55

Instrument :

BNA_G

ClientSampleId :

PT-ACIDS-WPDL

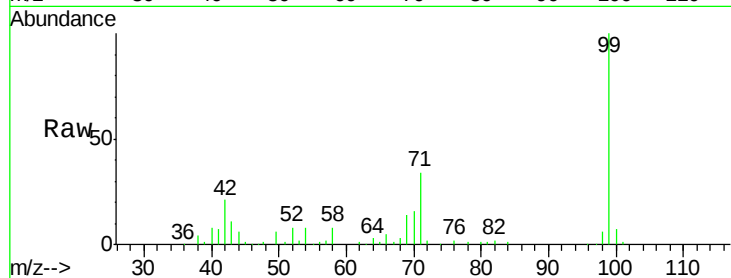
Tgt Ion: 99 Resp: 75093

Ion Ratio Lower Upper

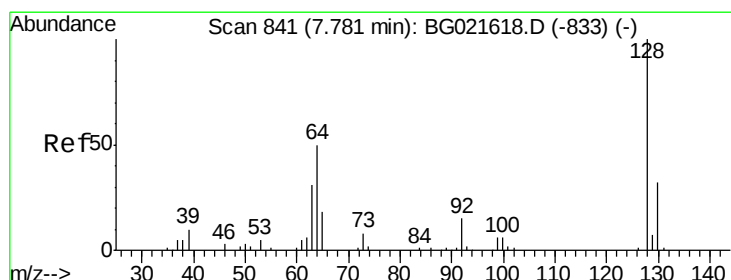
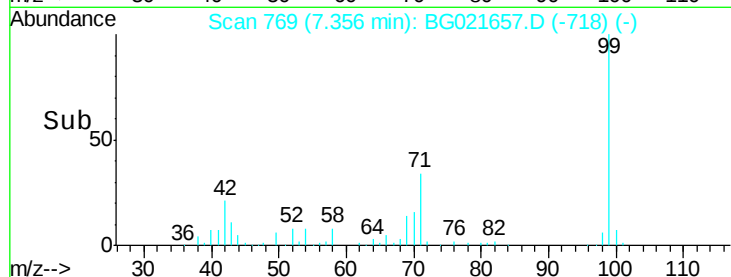
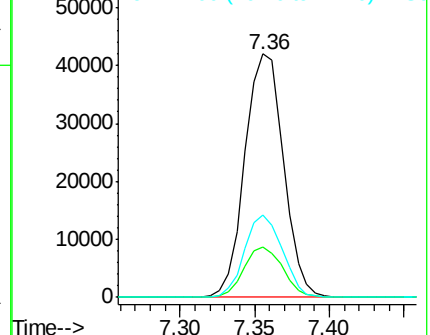
99 100

42 20.5 16.4 24.6

71 33.9 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



#8

2-Chlorophenol

Concen: 26.29 ng

RT: 7.78 min Scan# 841

Delta R.T. -0.00 min

Lab File: BG021657.D

Acq: 14 Apr 2016 17:55

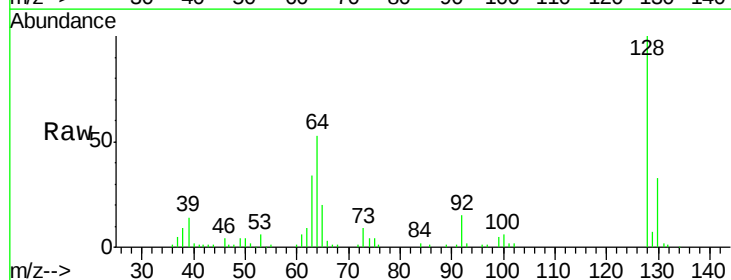
Tgt Ion: 128 Resp: 59880

Ion Ratio Lower Upper

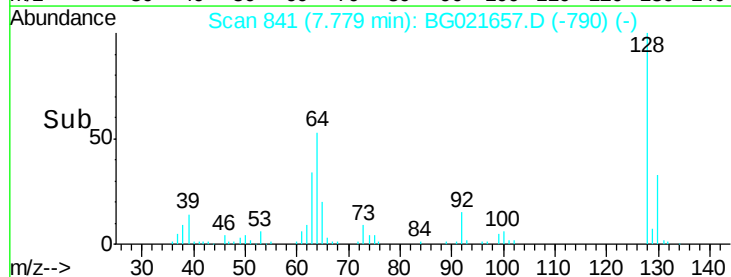
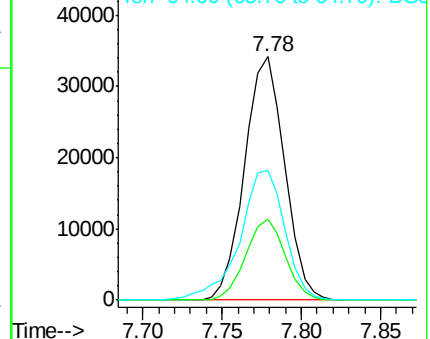
128 100

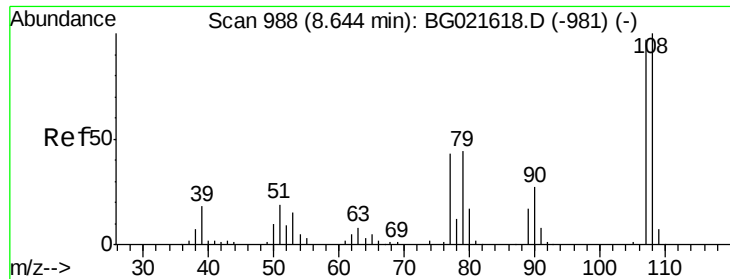
130 33.2 11.2 51.2

64 53.4 39.8 79.8



Abundance Ion 128.00 (127.70 to 128.70): BGC
Ion 130.00 (129.70 to 130.70): BGC
Ion 64.00 (63.70 to 64.70): BGC

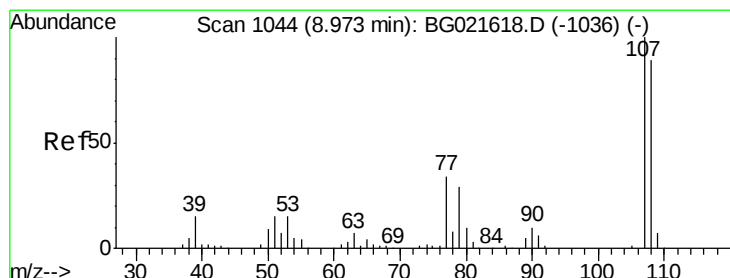
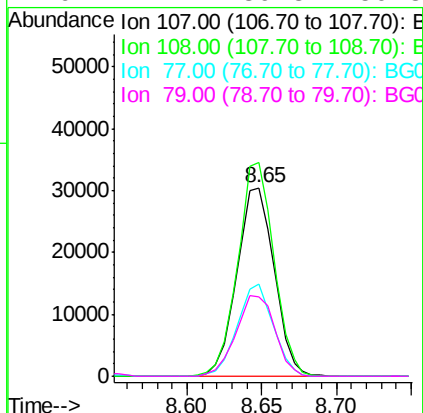
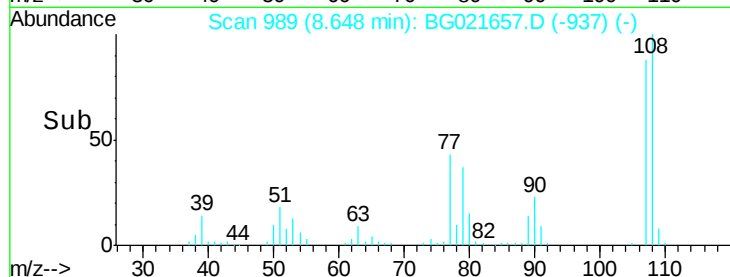
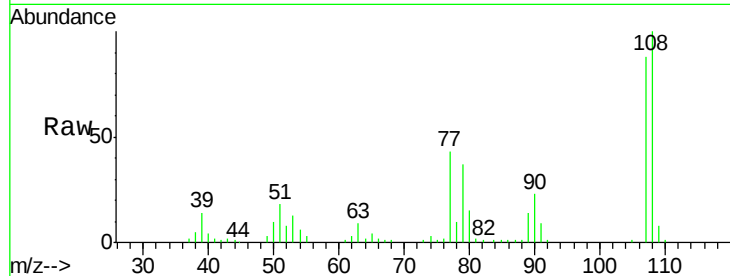




#17
2-Methylphenol
Concen: 25.04 ng
RT: 8.65 min Scan# 989
Delta R.T. 0.00 min
Lab File: BG021657.D
Acq: 14 Apr 2016 17:55

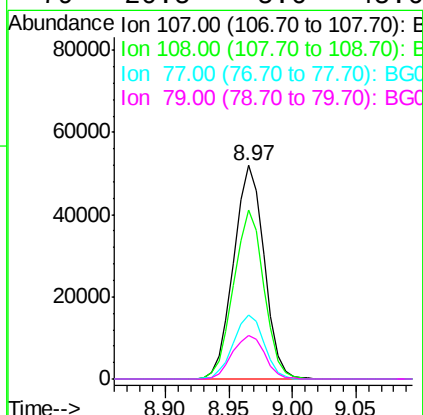
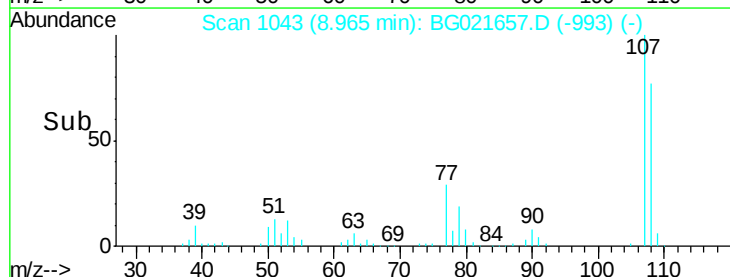
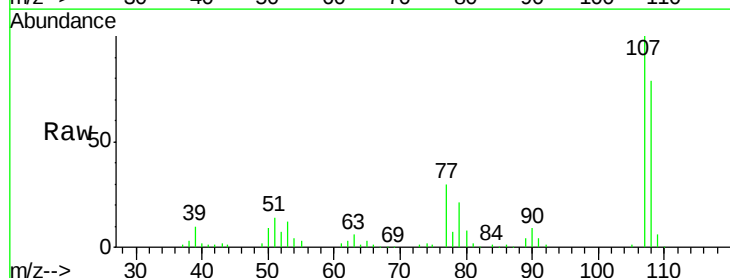
Instrument :
BNA_G
ClientSampleId :
PT-ACIDS-WPDL

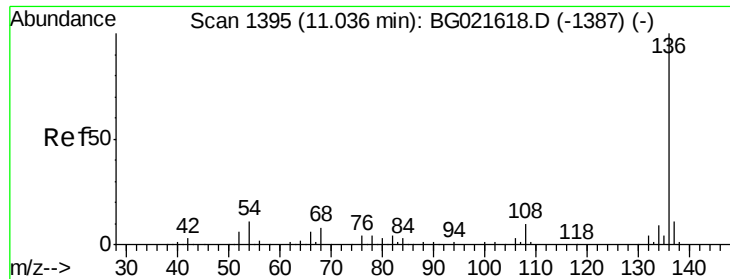
Tgt Ion:107 Resp: 52843
Ion Ratio Lower Upper
107 100
108 113.4 80.2 120.4
77 49.0 40.7 61.1
79 42.2 39.8 59.8



#20
3+4-Methylphenols
Concen: 29.95 ng
RT: 8.97 min Scan# 1043
Delta R.T. -0.01 min
Lab File: BG021657.D
Acq: 14 Apr 2016 17:55

Tgt Ion:107 Resp: 86481
Ion Ratio Lower Upper
107 100
108 79.1 66.2 106.2
77 30.1 11.5 51.5
79 20.5 5.6 45.6

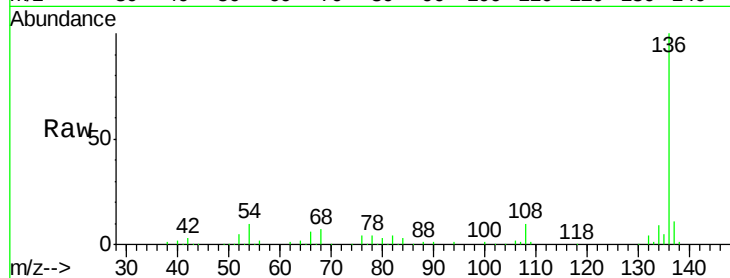




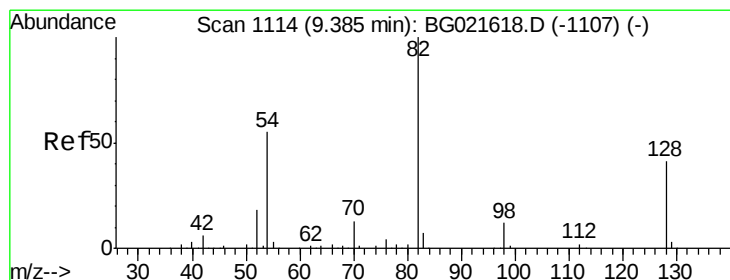
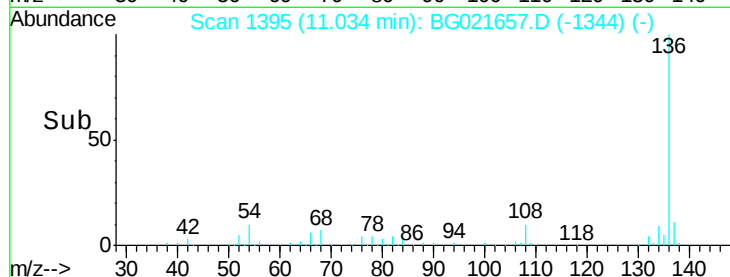
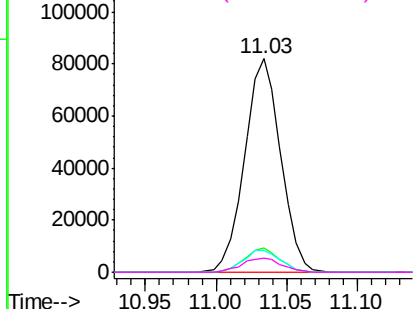
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 11.03 min Scan# 1395
Delta R.T. -0.00 min
Lab File: BG021657.D
Acq: 14 Apr 2016 17:55

Instrument :
BNA_G
ClientSampleId :
PT-ACIDS-WPDL

Tgt Ion:	136	Resp:	146240
Ion	Ratio	Lower	Upper
136	100		
137	11.2	9.0	13.4
54	10.5	9.6	14.4
68	6.7	6.4	9.6

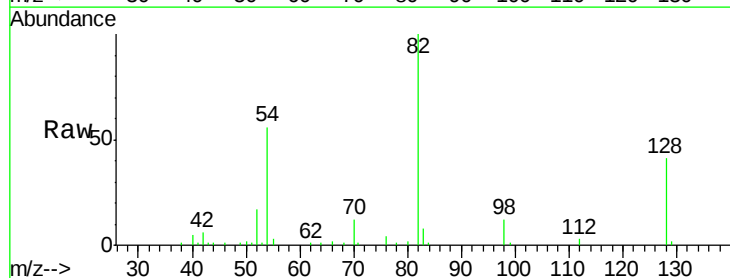


Abundance Ion 136.00 (135.70 to 136.70): BGC
Ion 137.00 (136.70 to 137.70): BGC
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

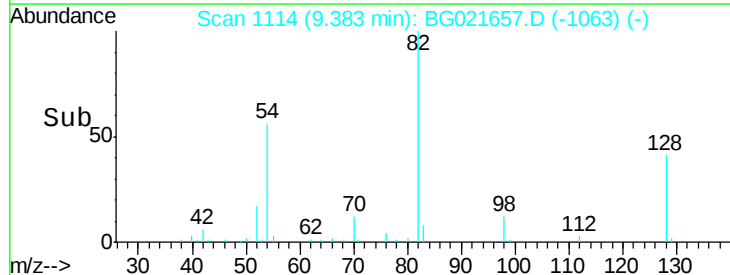
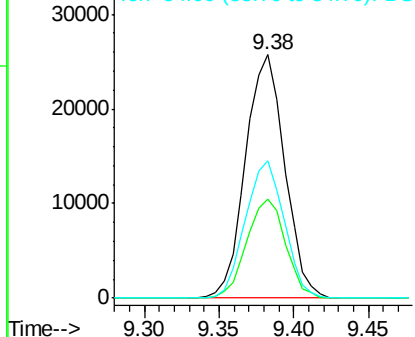


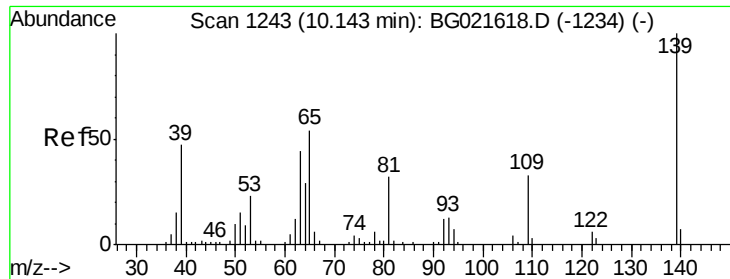
#23
Nitrobenzene-d5
Concen: 16.38 ng
RT: 9.38 min Scan# 1114
Delta R.T. -0.00 min
Lab File: BG021657.D
Acq: 14 Apr 2016 17:55

Tgt Ion:	82	Resp:	46615
Ion	Ratio	Lower	Upper
82	100		
128	40.8	33.4	50.0
54	56.4	46.1	69.1



Abundance Ion 82.00 (81.70 to 82.70): BGC
Ion 128.00 (127.70 to 128.70): BGC
Ion 54.00 (53.70 to 54.70): BGC

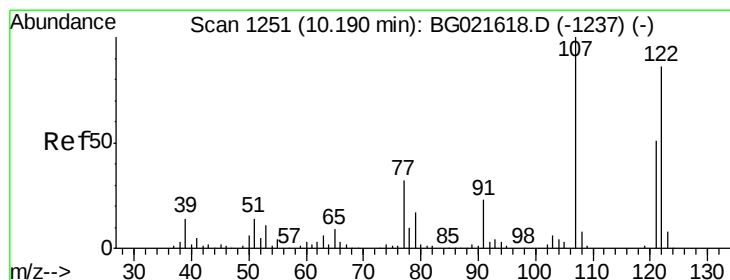
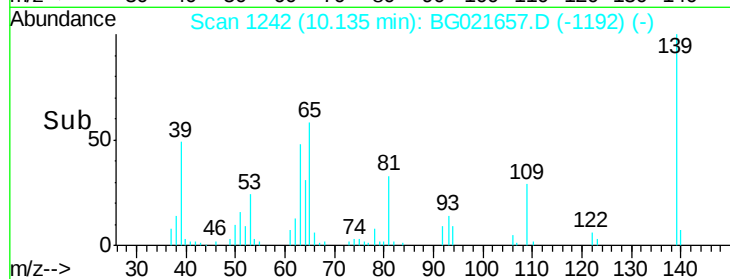
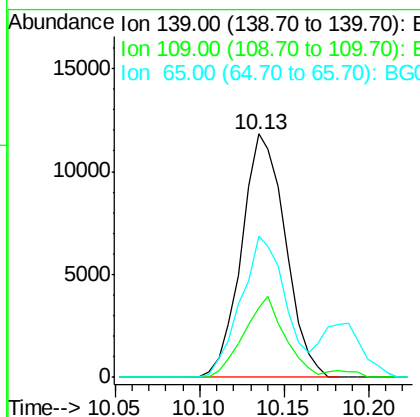
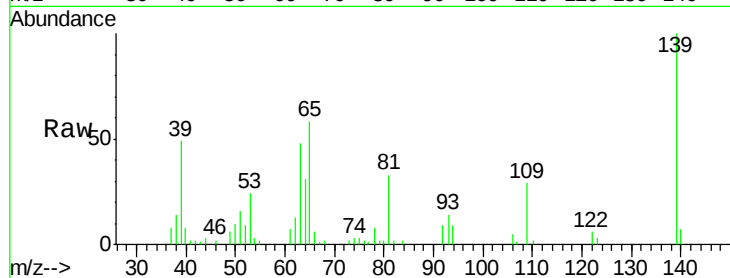




#26
2-Nitrophenol
Concen: 18.28 ng
RT: 10.13 min Scan# 1242
Delta R.T. -0.01 min
Lab File: BG021657.D
Acq: 14 Apr 2016 17:55

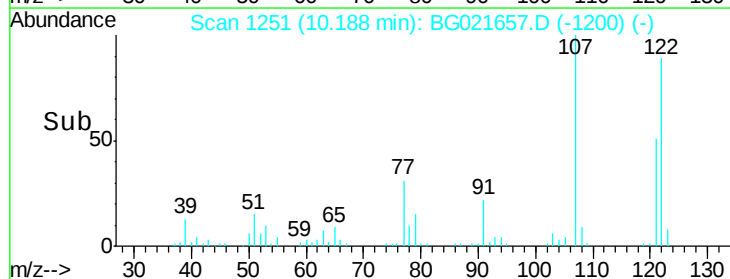
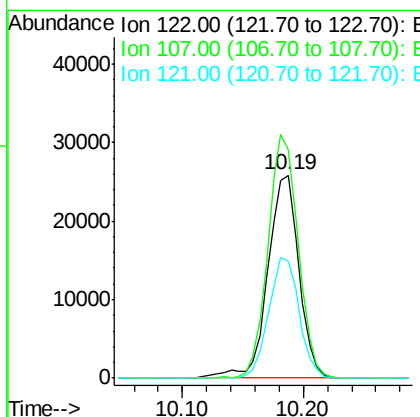
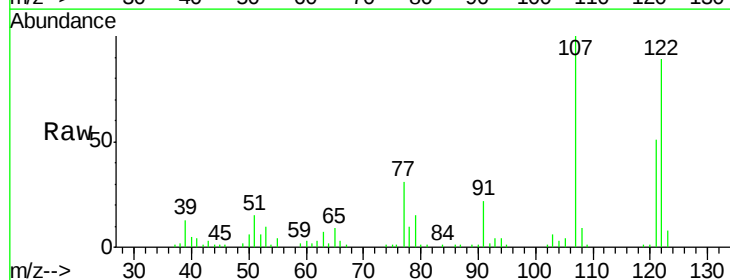
Instrument :
BNA_G
ClientSampleId :
PT-ACIDS-WPDL

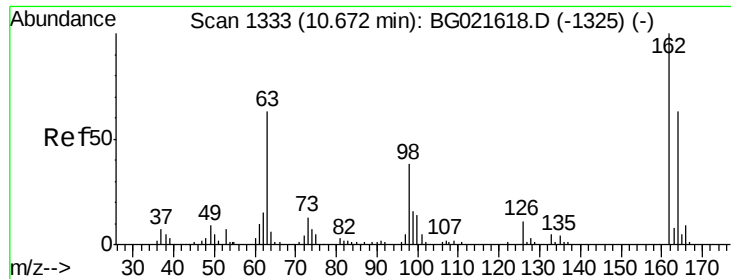
Tgt Ion:139 Resp: 21265
Ion Ratio Lower Upper
139 100
109 28.8 26.6 40.0
65 58.2 45.3 67.9



#27
2,4-Dimethylphenol
Concen: 17.24 ng
RT: 10.19 min Scan# 1251
Delta R.T. -0.00 min
Lab File: BG021657.D
Acq: 14 Apr 2016 17:55

Tgt Ion:122 Resp: 45544
Ion Ratio Lower Upper
122 100
107 112.7 97.2 145.8
121 57.4 49.0 73.4





#29

2,4-Dichlorophenol

Concen: 21.93 ng

RT: 10.67 min Scan# 1333

Delta R.T. -0.00 min

Lab File: BG021657.D

Acq: 14 Apr 2016 17:55

Instrument :

BNA_G

ClientSampleId :

PT-ACIDS-WPDL

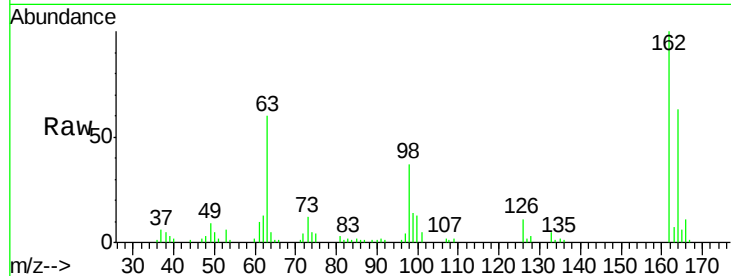
Tgt Ion:162 Resp: 49385

Ion Ratio Lower Upper

162 100

164 63.4 44.9 84.9

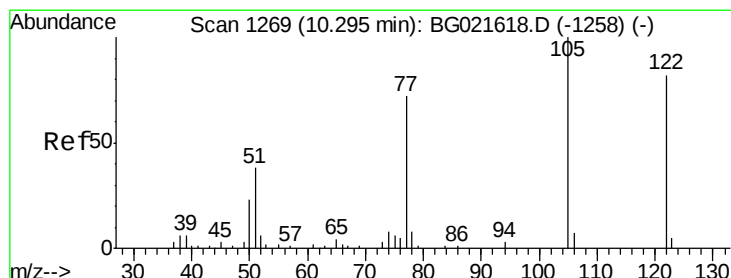
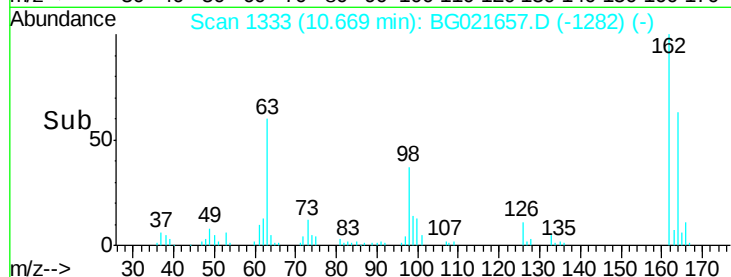
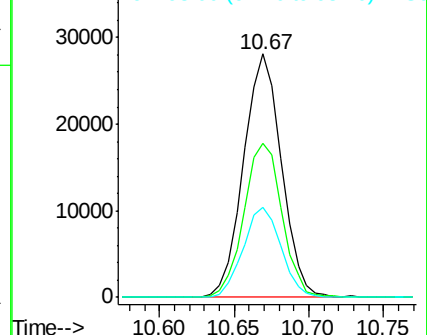
98 36.9 19.2 59.2



Abundance Ion 162.00 (161.70 to 162.70): E

Ion 164.00 (163.70 to 164.70): E

Ion 98.00 (97.70 to 98.70): BGC



#32

Benzoic acid

Concen: 33.81 ng

RT: 10.19 min Scan# 1251

Delta R.T. -0.11 min

Lab File: BG021657.D

Acq: 14 Apr 2016 17:55

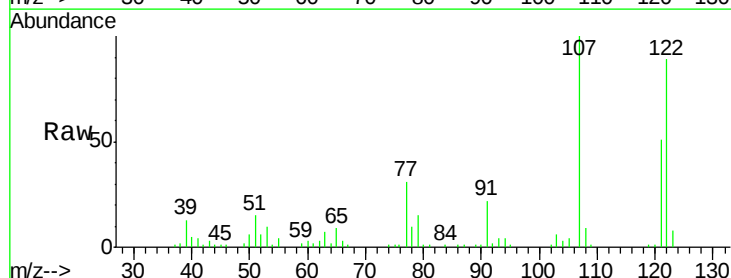
Tgt Ion:122 Resp: 45544

Ion Ratio Lower Upper

122 100

105 4.6 104.5 144.5#

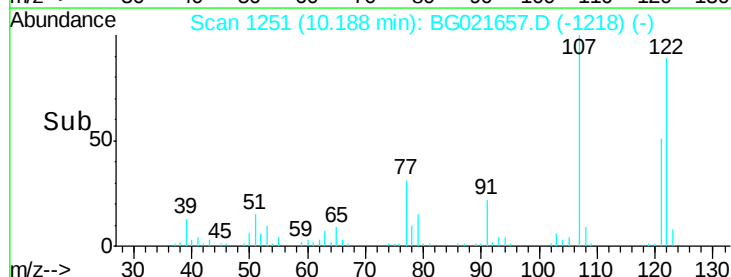
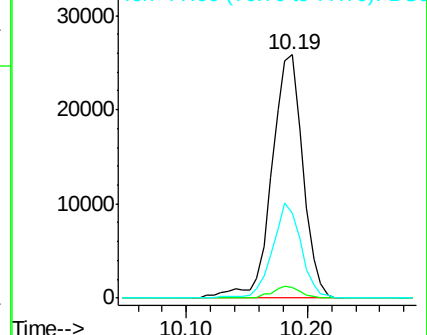
77 34.8 79.9 119.9#

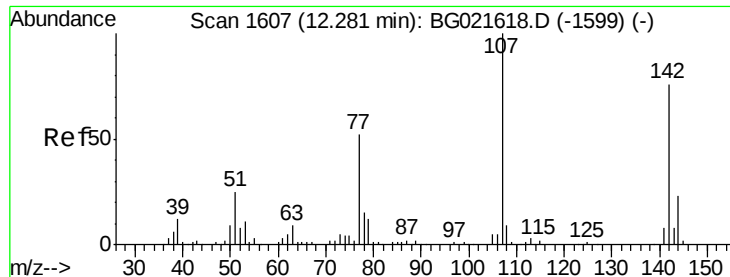


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BGC

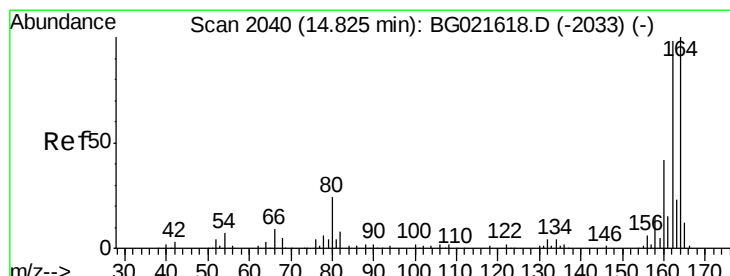
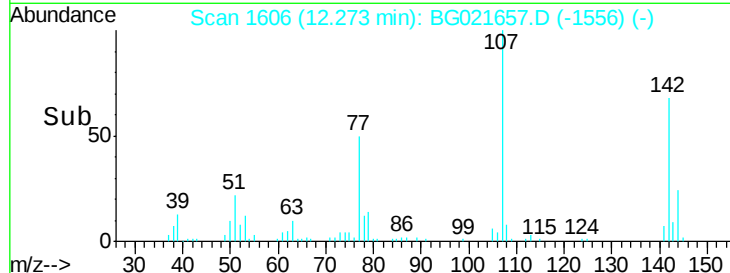
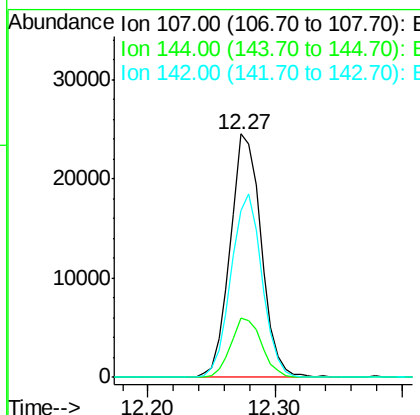
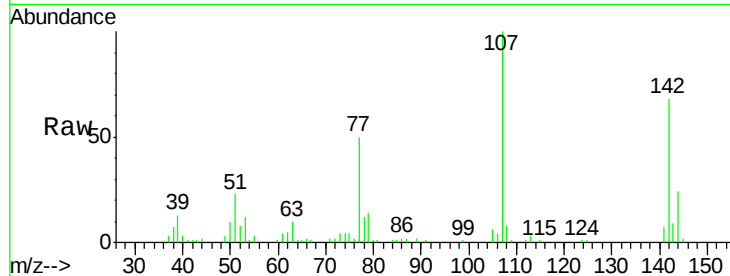




#36
 4-Chloro-3-methylphenol
 Concen: 14.62 ng
 RT: 12.27 min Scan# 1606
 Delta R.T. -0.01 min
 Lab File: BG021657.D
 Acq: 14 Apr 2016 17:55

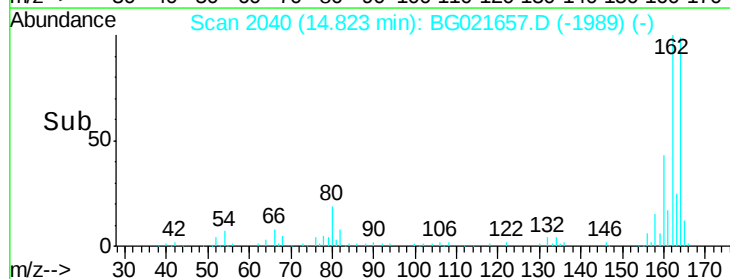
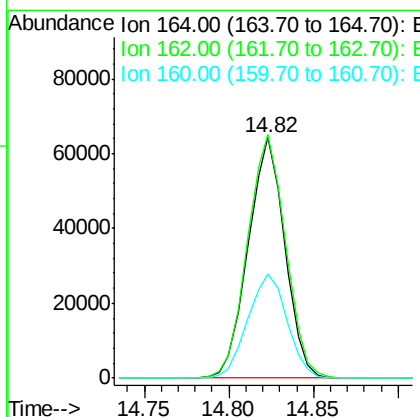
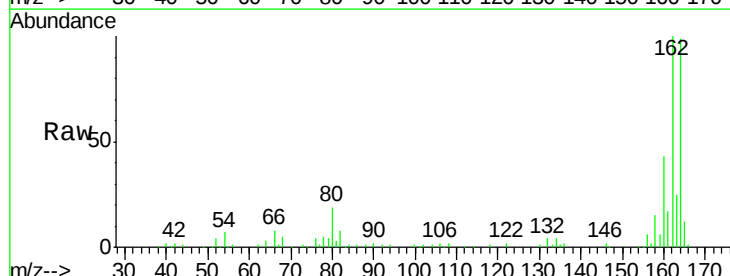
Instrument :
 BNA_G
 ClientSampleId :
 PT-ACIDS-WPDL

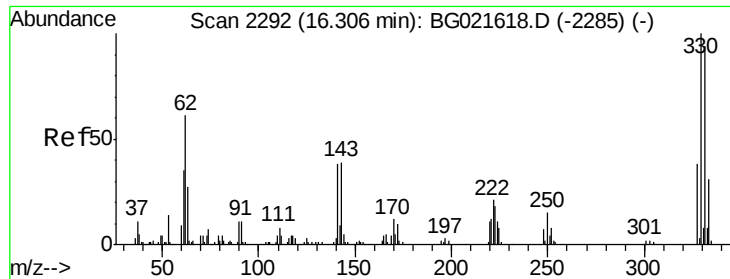
Tgt Ion:107 Resp: 41401
 Ion Ratio Lower Upper
 107 100
 144 24.2 19.2 28.8
 142 68.3 59.1 88.7



#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 14.82 min Scan# 2040
 Delta R.T. -0.00 min
 Lab File: BG021657.D
 Acq: 14 Apr 2016 17:55

Tgt Ion:164 Resp: 96874
 Ion Ratio Lower Upper
 164 100
 162 101.1 78.0 117.0
 160 43.2 32.9 49.3

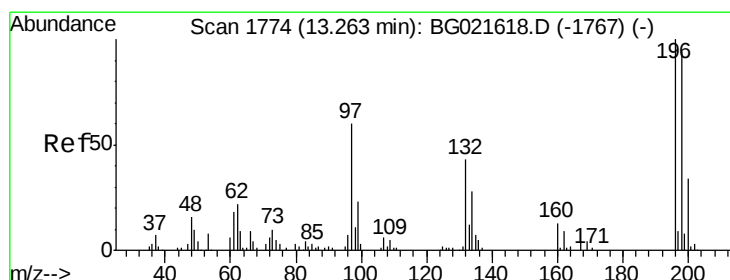
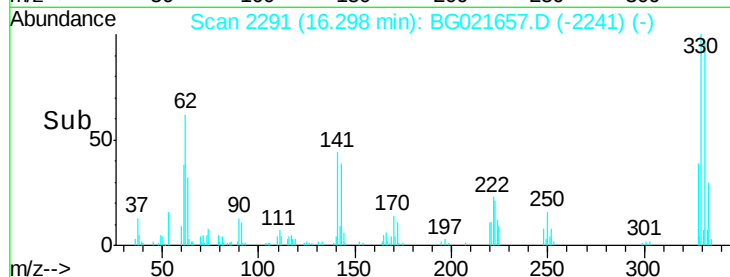
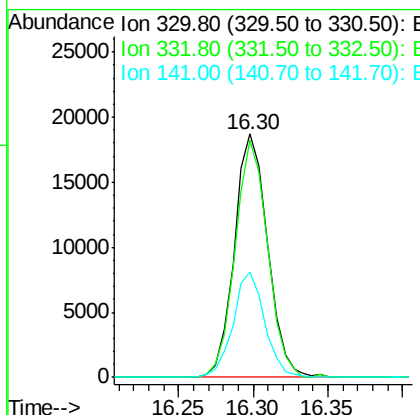
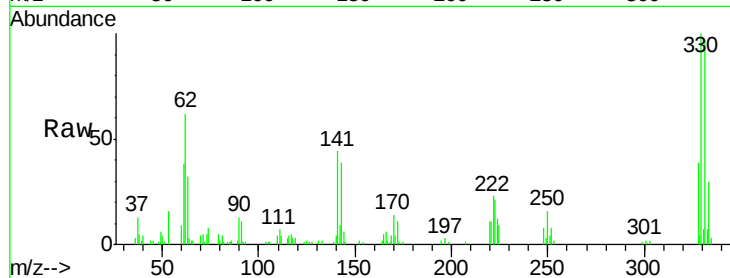




#41
 2,4,6-Tribromophenol
 Concen: 27.75 ng
 RT: 16.30 min Scan# 2291
 Delta R.T. -0.01 min
 Lab File: BG021657.D
 Acq: 14 Apr 2016 17:55

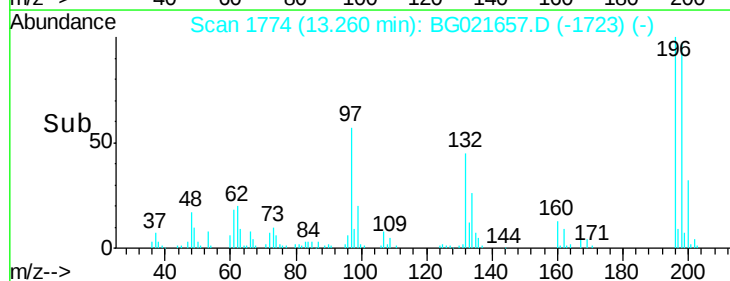
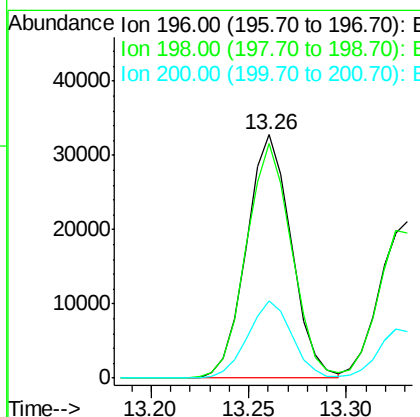
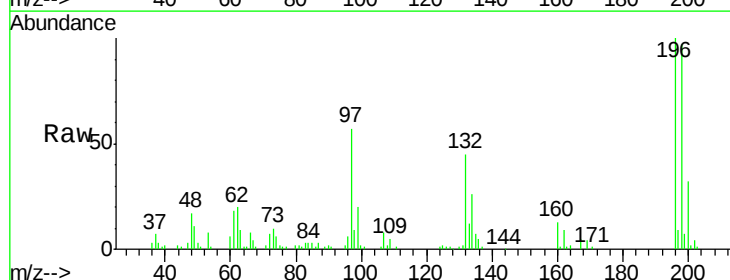
Instrument :
 BNA_G
 ClientSampleId :
 PT-ACIDS-WPDL

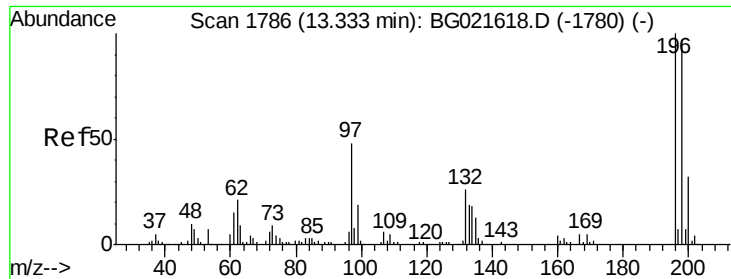
Tgt Ion:330 Resp: 28968
 Ion Ratio Lower Upper
 330 100
 332 94.8 78.0 117.0
 141 41.4 33.8 50.8



#42
 2,4,6-Trichlorophenol
 Concen: 26.96 ng
 RT: 13.26 min Scan# 1774
 Delta R.T. -0.00 min
 Lab File: BG021657.D
 Acq: 14 Apr 2016 17:55

Tgt Ion:196 Resp: 52046
 Ion Ratio Lower Upper
 196 100
 198 96.6 80.1 120.1
 200 31.5 24.1 36.1

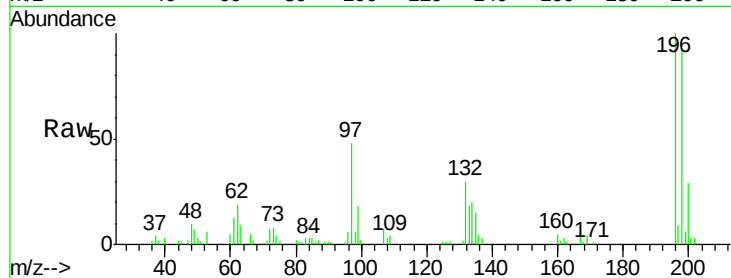




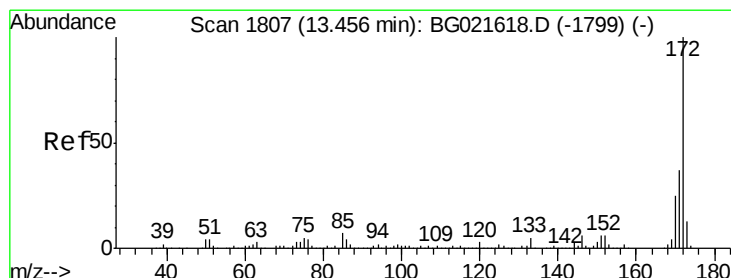
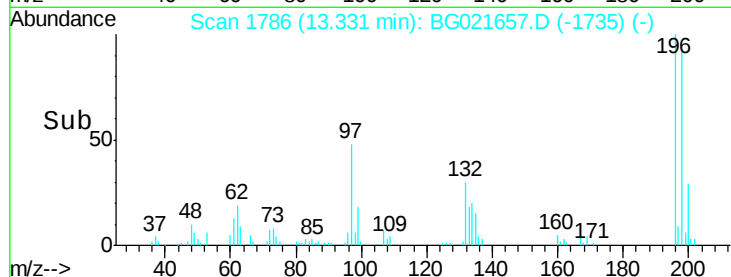
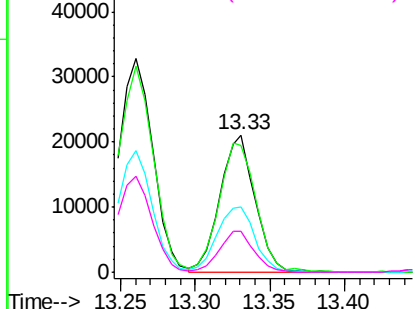
#43
 2,4,5-Trichlorophenol
 Concen: 16.66 ng
 RT: 13.33 min Scan# 1786
 Delta R.T. -0.00 min
 Lab File: BG021657.D
 Acq: 14 Apr 2016 17:55

Instrument :
 BNA_G
 ClientSampleId :
 PT-ACIDS-WPDL

Tgt Ion:	196	Resp:	34697
Ion	Ratio	Lower	Upper
196	100		
198	92.9	78.0	117.0
97	47.8	43.0	64.6
132	29.9	23.0	34.4

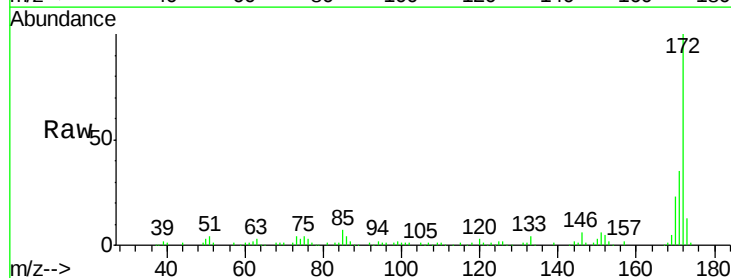


Abundance Ion 196.00 (195.70 to 196.70): E
 Ion 198.00 (197.70 to 198.70): E
 Ion 97.00 (96.70 to 97.70): BG
 Ion 132.00 (131.70 to 132.70): E

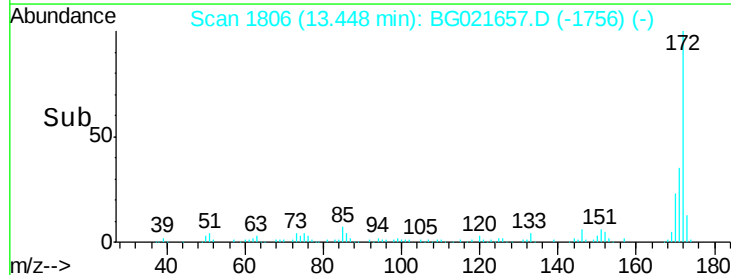
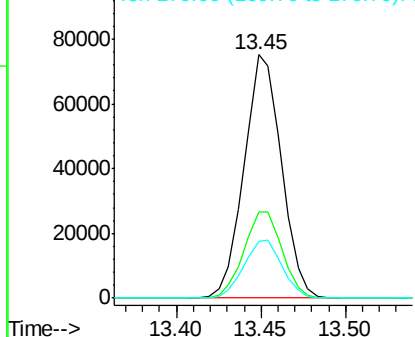


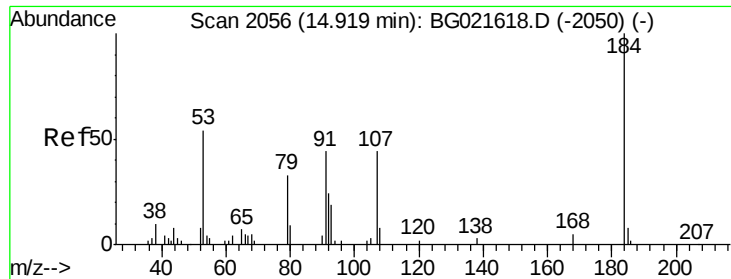
#44
 2-Fluorobiphenyl
 Concen: 17.44 ng
 RT: 13.45 min Scan# 1806
 Delta R.T. -0.01 min
 Lab File: BG021657.D
 Acq: 14 Apr 2016 17:55

Tgt Ion:	172	Resp:	115320
Ion	Ratio	Lower	Upper
172	100		
171	35.1	27.8	41.6
170	23.4	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

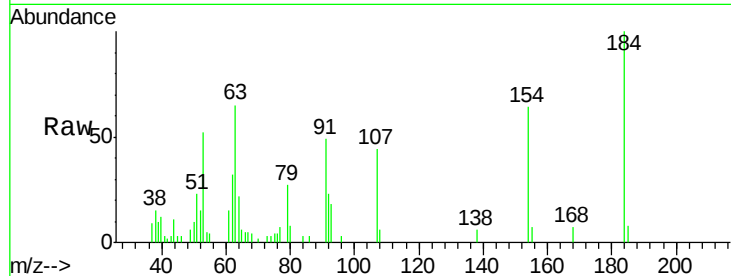




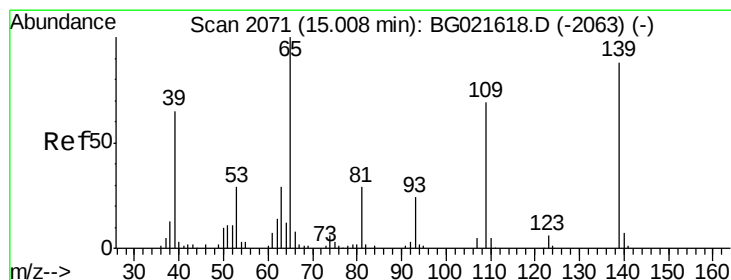
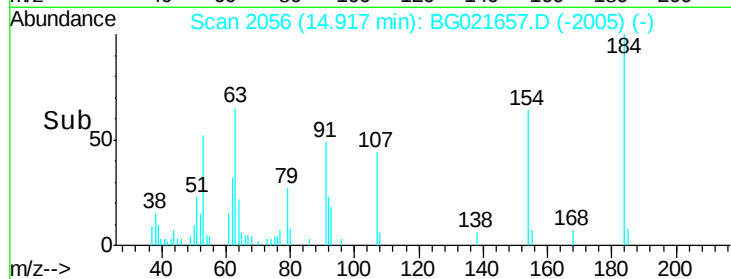
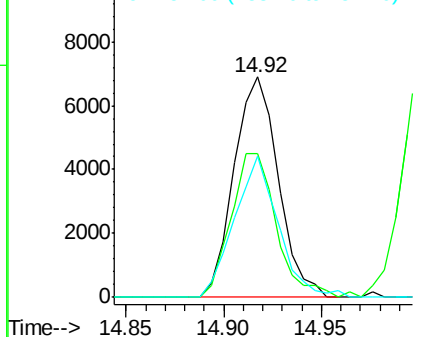
#53
2,4-Dinitrophenol
Concen: 23.43 ng
RT: 14.92 min Scan# 2056
Delta R.T. -0.00 min
Lab File: BG021657.D
Acq: 14 Apr 2016 17:55

Instrument :
BNA_G
ClientSampleId :
PT-ACIDS-WPDL

Tgt Ion:184 Resp: 10823
Ion Ratio Lower Upper
184 100
63 65.1 57.3 85.9
154 64.3 55.2 82.8

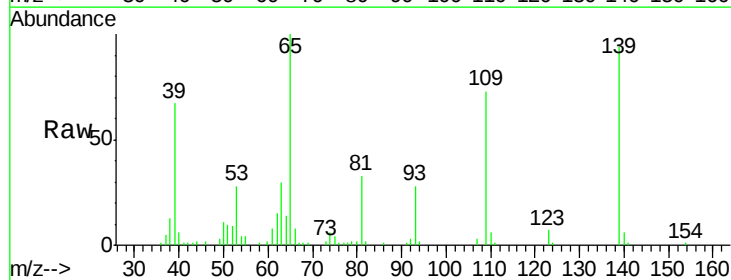


Abundance Ion 184.00 (183.70 to 184.70): E
Ion 63.00 (62.70 to 63.70): BG
Ion 154.00 (153.70 to 154.70): E

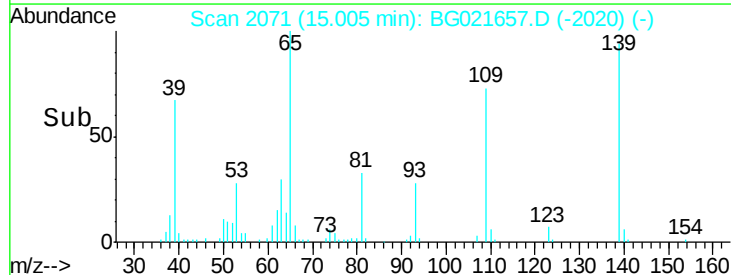
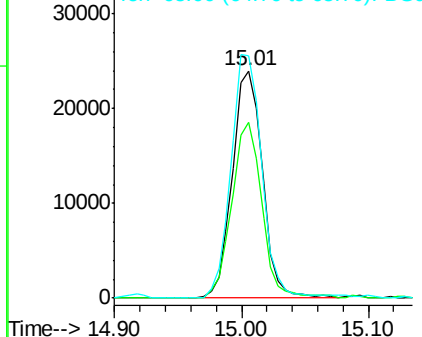


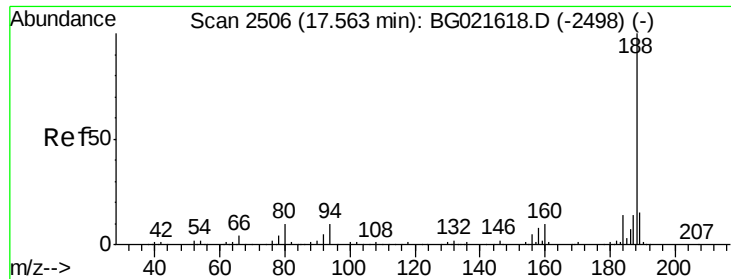
#55
4-Nitrophenol
Concen: 26.03 ng
RT: 15.01 min Scan# 2071
Delta R.T. -0.00 min
Lab File: BG021657.D
Acq: 14 Apr 2016 17:55

Tgt Ion:139 Resp: 39473
Ion Ratio Lower Upper
139 100
109 77.5 49.2 89.2
65 106.7 83.2 123.2



Abundance Ion 139.00 (138.70 to 139.70): E
Ion 109.00 (108.70 to 109.70): E
Ion 65.00 (64.70 to 65.70): BG

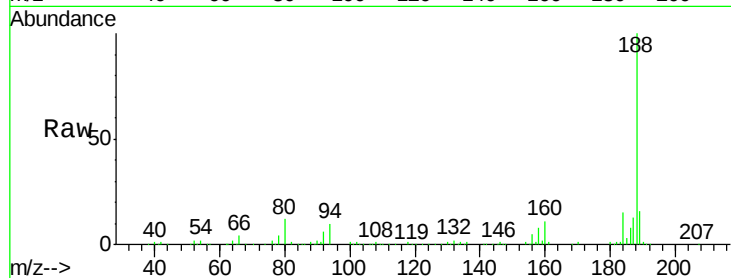




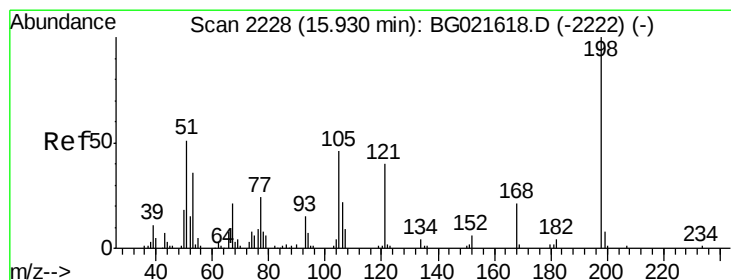
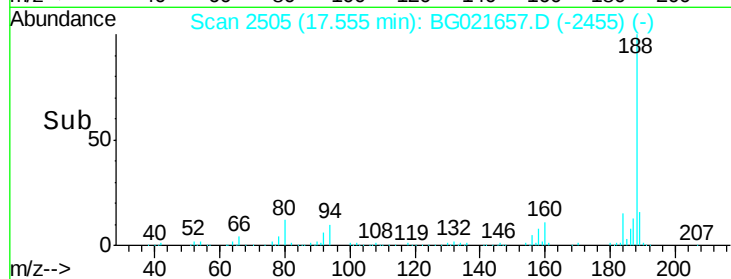
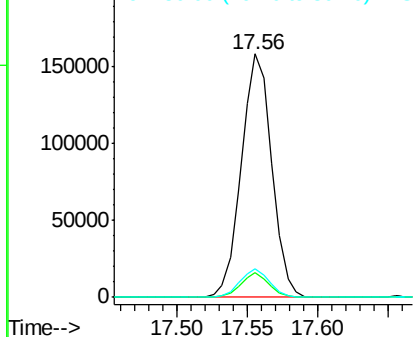
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 17.56 min Scan# 2505
Delta R.T. -0.01 min
Lab File: BG021657.D
Acq: 14 Apr 2016 17:55

Instrument :
BNA_G
ClientSampleId :
PT-ACIDS-WPDL

Tgt Ion:188 Resp: 238724
Ion Ratio Lower Upper
188 100
94 10.1 7.5 11.3
80 11.7 8.6 13.0

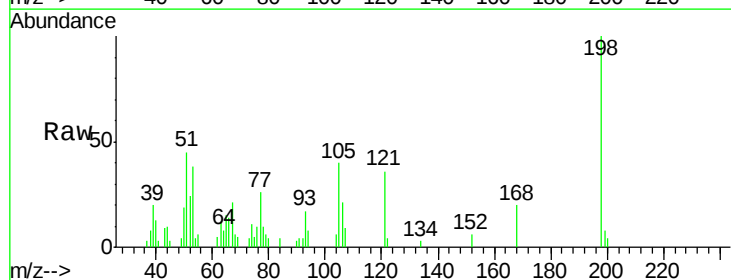


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BGC
Ion 80.00 (79.70 to 80.70): BGC

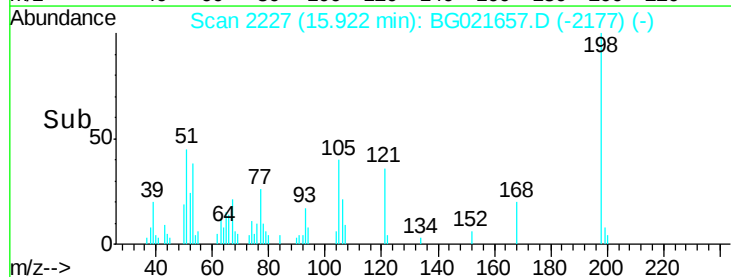
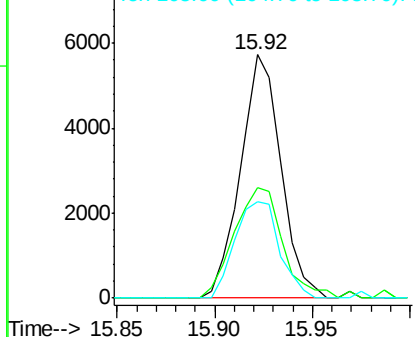


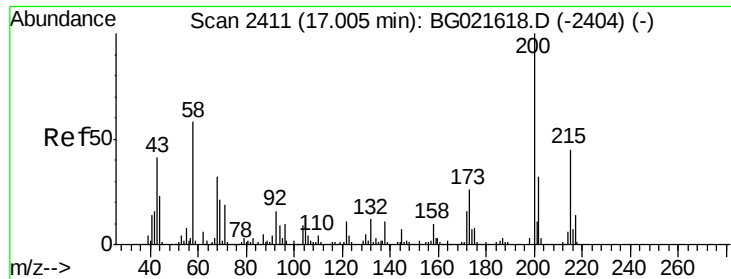
#64
4,6-Dinitro-2-methylphenol
Concen: 12.75 ng
RT: 15.92 min Scan# 2227
Delta R.T. -0.01 min
Lab File: BG021657.D
Acq: 14 Apr 2016 17:55

Tgt Ion:198 Resp: 8232
Ion Ratio Lower Upper
198 100
51 45.5 29.2 69.2
105 39.6 24.0 64.0



Abundance Ion 198.00 (197.70 to 198.70): E
Ion 51.00 (50.70 to 51.70): BGC
Ion 105.00 (104.70 to 105.70): E

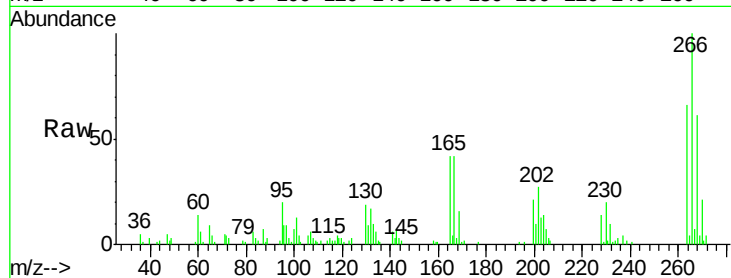




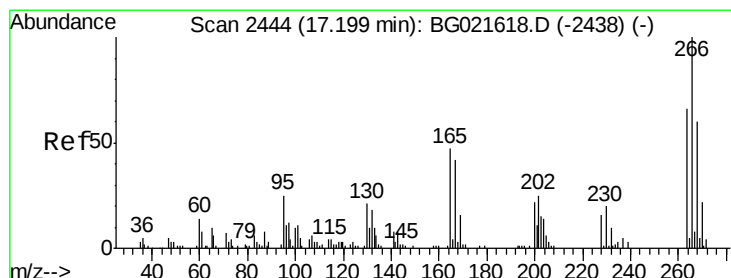
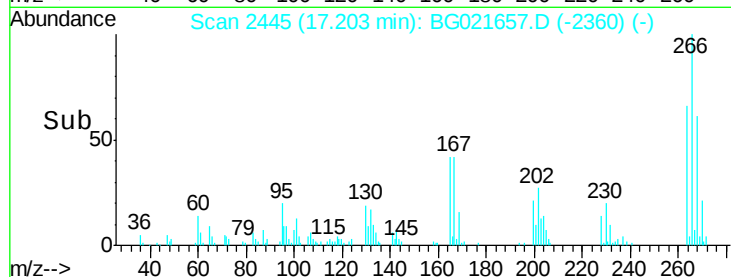
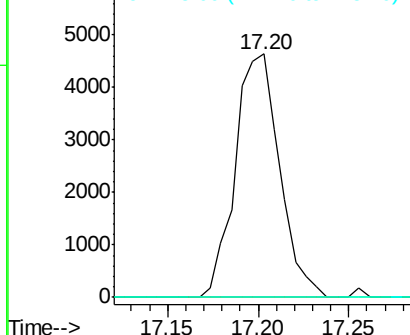
#68
Atrazine
Concen: 2.79 ng
RT: 17.20 min Scan# 2445
Delta R.T. 0.20 min
Lab File: BG021657.D
Acq: 14 Apr 2016 17:55

Instrument :
BNA_G
ClientSampleId :
PT-ACIDS-WPDL

Tgt Ion	Ratio	Lower	Upper
200	100		
173	0.0	5.1	45.1#
215	0.0	28.0	68.0#

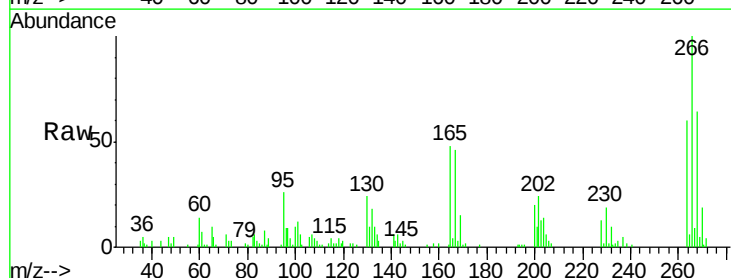


Abundance Ion 200.00 (199.70 to 200.70): E
Ion 173.00 (172.70 to 173.70): E
Ion 215.00 (214.70 to 215.70): E

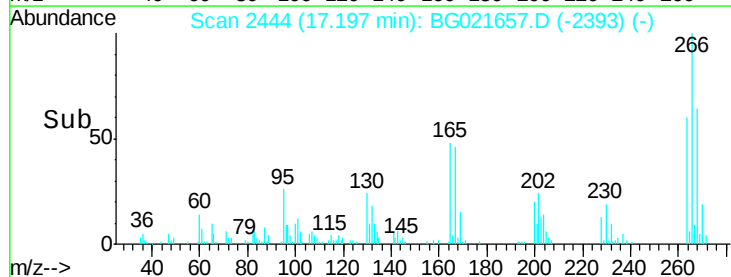
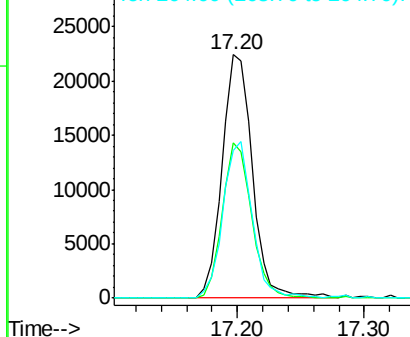


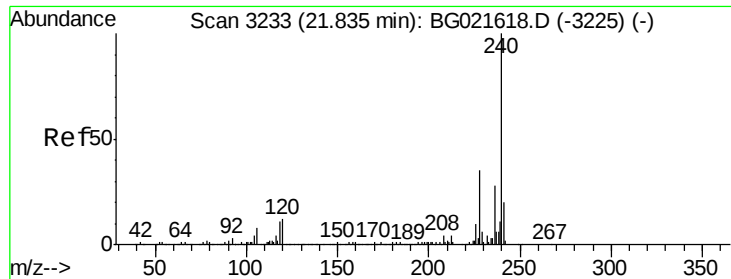
#69
Pentachlorophenol
Concen: 24.05 ng
RT: 17.20 min Scan# 2444
Delta R.T. -0.00 min
Lab File: BG021657.D
Acq: 14 Apr 2016 17:55

Tgt Ion	Ratio	Lower	Upper
266	100		
268	64.0	54.5	81.7
264	60.4	53.8	80.6



Abundance Ion 265.70 (265.40 to 266.40): E
Ion 268.00 (267.70 to 268.70): E
Ion 264.00 (263.70 to 264.70): E

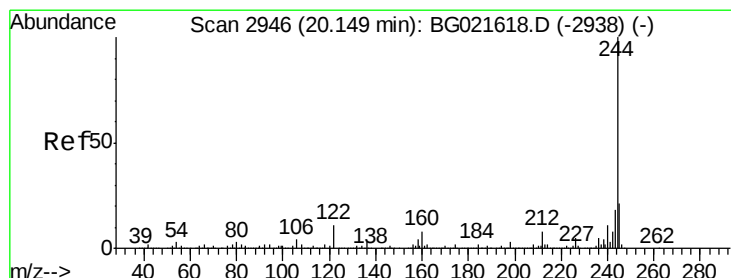
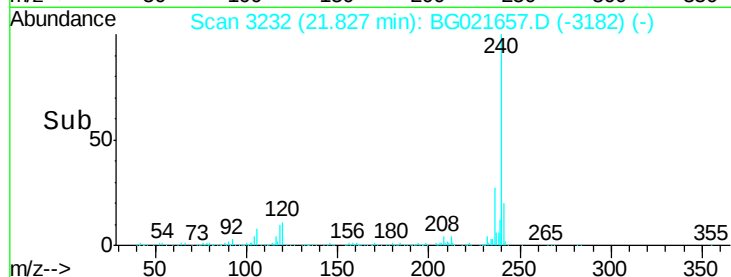
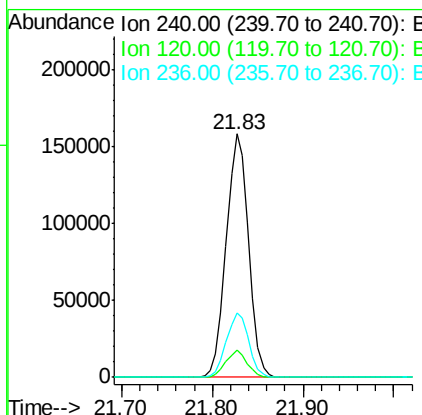
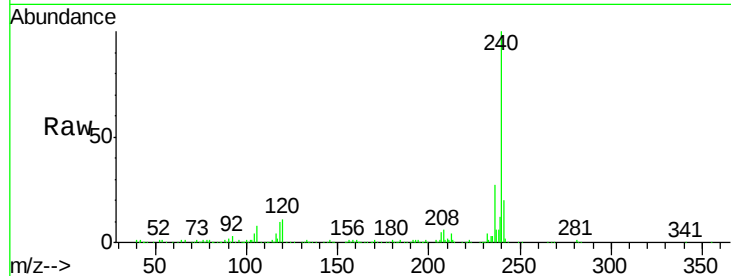




#75
Chrysene-d12
Concen: 20.00 ng
RT: 21.83 min Scan# 3232
Delta R.T. -0.01 min
Lab File: BG021657.D
Acq: 14 Apr 2016 17:55

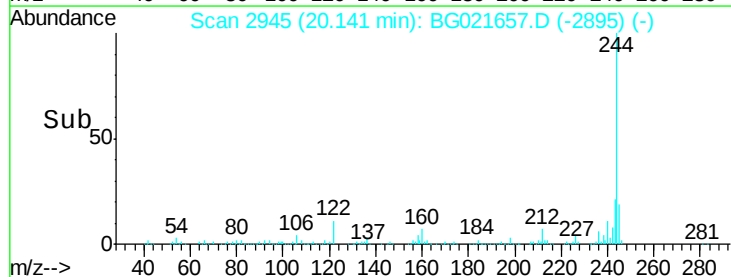
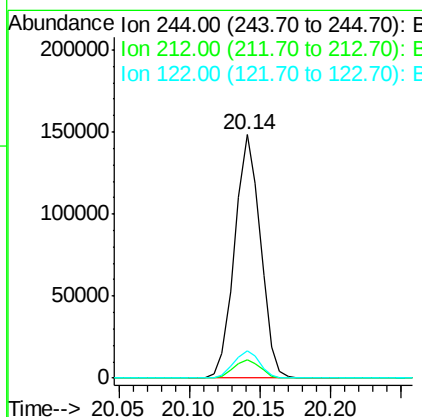
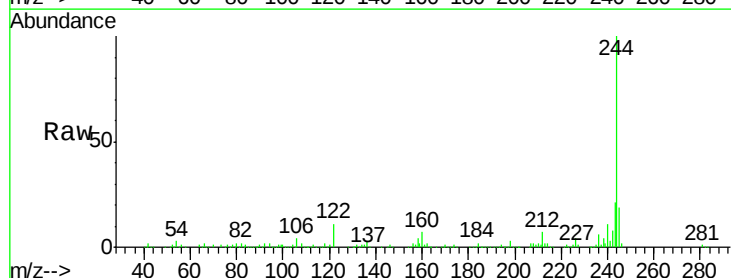
Instrument :
BNA_G
ClientSampleId :
PT-ACIDS-WPDL

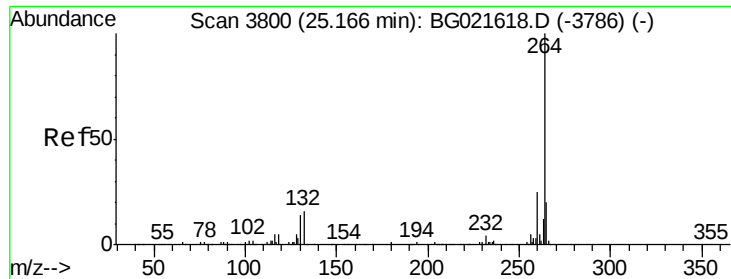
Tgt Ion:240 Resp: 269804
Ion Ratio Lower Upper
240 100
120 11.3 8.4 12.6
236 26.5 19.6 29.4



#78
Terphenyl-d14
Concen: 17.46 ng
RT: 20.14 min Scan# 2945
Delta R.T. -0.01 min
Lab File: BG021657.D
Acq: 14 Apr 2016 17:55

Tgt Ion:244 Resp: 188831
Ion Ratio Lower Upper
244 100
212 7.5 6.5 9.7
122 11.0 8.6 12.8





#86
Perylene-d12
Concen: 20.00 ng
RT: 25.16 min Scan# 3799
Delta R.T. -0.01 min
Lab File: BG021657.D
Acq: 14 Apr 2016 17:55

Instrument :
BNA_G
ClientSampleId :
PT-ACIDS-WPDL

Tgt Ion: 264 Resp: 260974
Ion Ratio Lower Upper
264 100
260 22.5 20.2 30.4
265 19.6 17.8 26.8

