

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG041416\
 Data File : BG021656.D
 Acq On : 14 Apr 2016 17:16
 Operator : UM/SJ
 Sample : H1739-06
 Misc :
 ALS Vial : 43 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 PT-ACIDS-WP

Quant Time: Apr 15 00:52:21 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	30161	20.00	ng	0.00
21) Naphthalene-d8	11.03	136	132232	20.00	ng	0.00
38) Acenaphthene-d10	14.82	164	88431	20.00	ng	0.00
63) Phenanthrene-d10	17.56	188	218904	20.00	ng	0.00
75) Chrysene-d12	21.83	240	251457	20.00	ng	0.00
86) Perylene-d12	25.16	264	246161	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.76	112	253133	139.76	ng	0.00
7) Phenol-d6	7.36	99	377377	139.49	ng	0.00
23) Nitrobenzene-d5	9.38	82	229648	89.27	ng	0.00
41) 2,4,6-Tribromophenol	16.30	330	153181	160.73	ng	0.00
44) 2-Fluorobiphenyl	13.45	172	529276	87.69	ng	0.00
78) Terphenyl-d14	20.15	244	893258	88.64	ng	0.00

Target Compounds

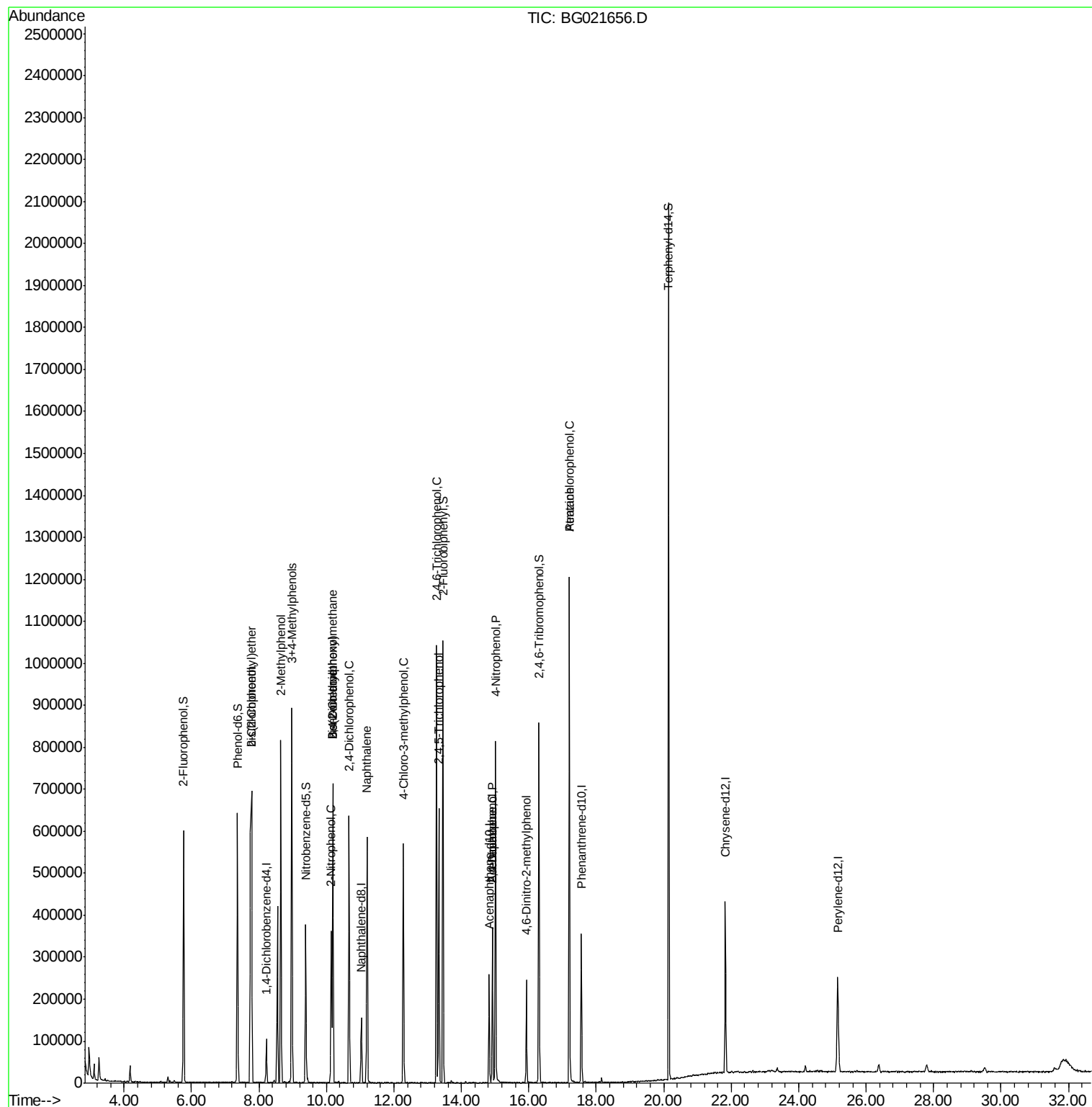
						Qvalue
8) 2-Chlorophenol	7.78	128	293836	135.33	ng	97
11) bis(2-Chloroethyl)ether	7.78	93	7092	3.05	ng	# 1
17) 2-Methylphenol	8.65	107	256589	127.54	ng	94
20) 3+4-Methylphenols	8.97	107	418415	151.99	ng	95
26) 2-Nitrophenol	10.14	139	116952	111.21	ng	98
27) 2,4-Dimethylphenol	10.19	122	222411	93.10	ng	98
28) bis(2-Chloroethoxy)methane	10.19	93	9194	3.07	ng	# 1
29) 2,4-Dichlorophenol	10.67	162	240600	118.13	ng	97
31) Naphthalene	11.20	128	14756	2.09	ng	# 79
32) Benzoic acid	10.19	122	222411	115.20	ng	# 13
36) 4-Chloro-3-methylphenol	12.28	107	204707	79.93	ng	99
42) 2,4,6-Trichlorophenol	13.26	196	260920	148.06	ng	97
43) 2,4,5-Trichlorophenol	13.33	196	165615	87.09	ng	98
51) Acenaphthene	14.92	154	48867	8.39	ng	# 4
53) 2,4-Dinitrophenol	14.92	184	76938	131.85	ng	97
55) 4-Nitrophenol	15.02	139	220008	158.91	ng	93
64) 4,6-Dinitro-2-methylphenol	15.93	198	53929	57.90	ng	97
68) Atrazine	17.20	200	44695	17.24	ng	# 37
69) Pentachlorophenol	17.20	266	221410	156.64	ng	94

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

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG041416\
Data File : BG021656.D
Acq On : 14 Apr 2016 17:16
Operator : UM/SJ
Sample : H1739-06
Misc :
ALS Vial : 43 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
PT-ACIDS-WP

Quant Time: Apr 15 00:52:21 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



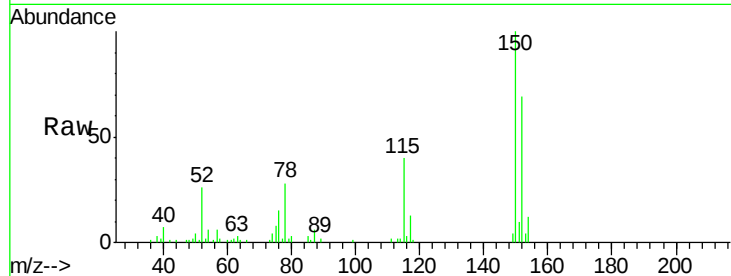


#1

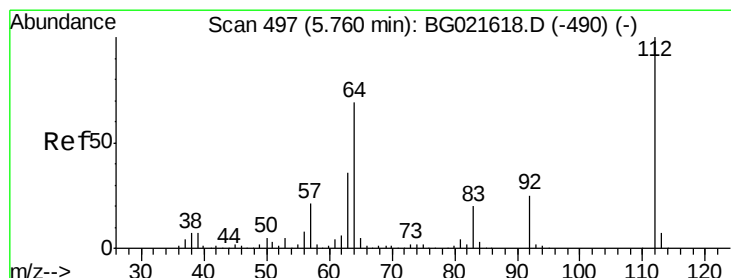
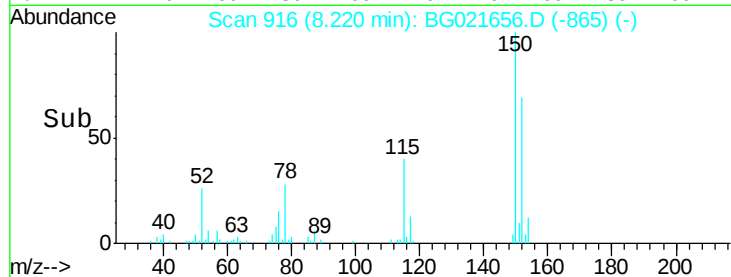
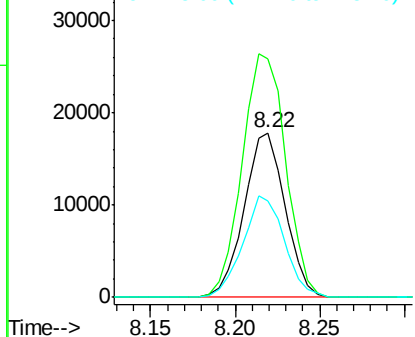
1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 8.22 min Scan# 916
 Delta R.T. -0.00 min
 Lab File: BG021656.D
 Acq: 14 Apr 2016 17:16

Instrument :
 BNA_G
 ClientSampleId :
 PT-ACIDS-WP

Tgt Ion:152 Resp: 30161
 Ion Ratio Lower Upper
 152 100
 150 145.1 130.1 195.1
 115 58.5 62.2 93.2#



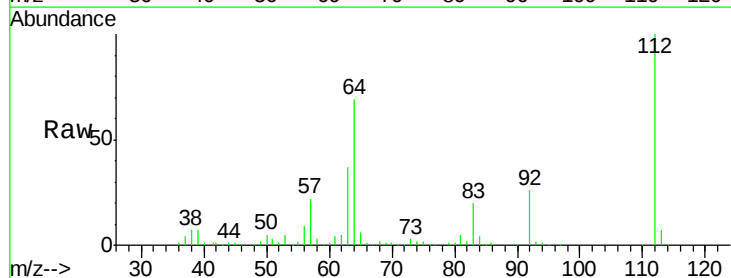
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



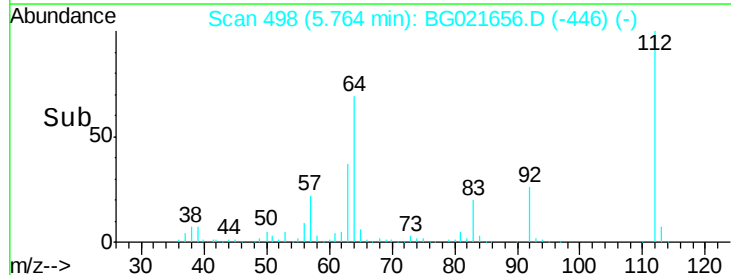
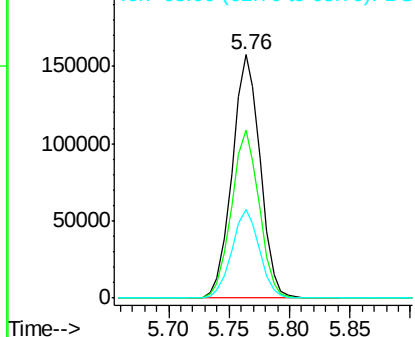
#5

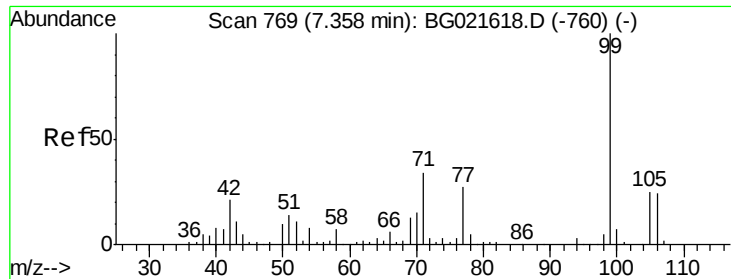
2-Fluorophenol
 Concen: 139.76 ng
 RT: 5.76 min Scan# 498
 Delta R.T. 0.00 min
 Lab File: BG021656.D
 Acq: 14 Apr 2016 17:16

Tgt Ion:112 Resp: 253133
 Ion Ratio Lower Upper
 112 100
 64 69.3 51.1 76.7
 63 36.6 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: 139.49 ng

RT: 7.36 min Scan# 770

Delta R.T. 0.00 min

Lab File: BG021656.D

Acq: 14 Apr 2016 17:16

Instrument :

BNA_G

ClientSampleId :

PT-ACIDS-WP

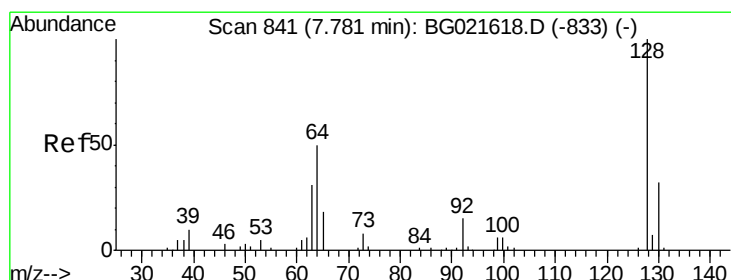
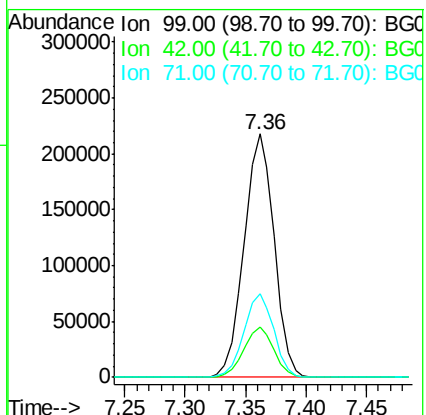
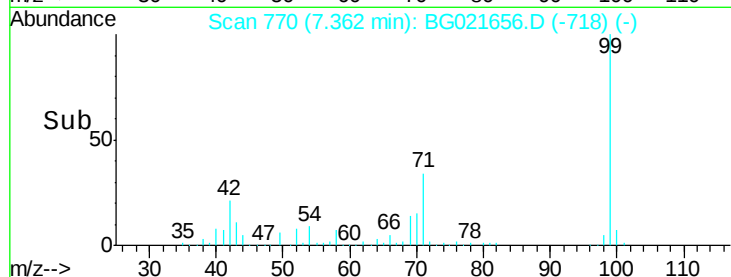
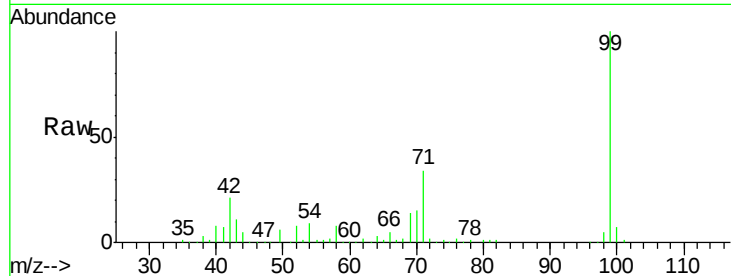
Tgt Ion: 99 Resp: 377377

Ion Ratio Lower Upper

99 100

42 20.8 16.4 24.6

71 34.4 25.0 37.4



#8

2-Chlorophenol

Concen: 135.33 ng

RT: 7.78 min Scan# 841

Delta R.T. -0.00 min

Lab File: BG021656.D

Acq: 14 Apr 2016 17:16

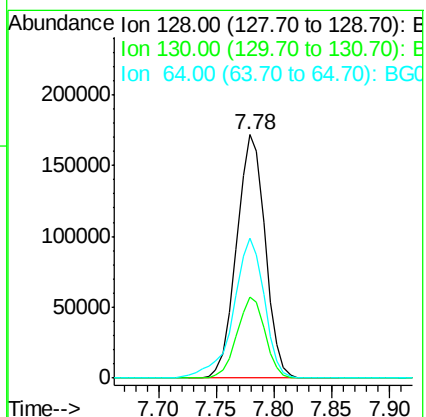
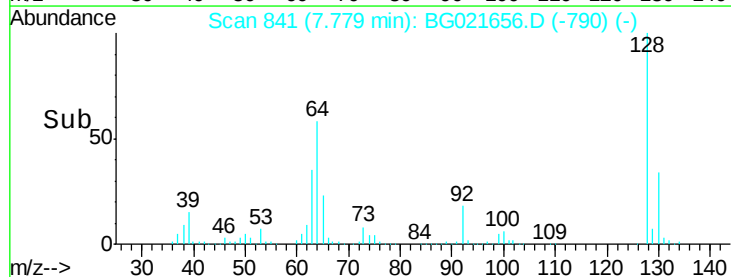
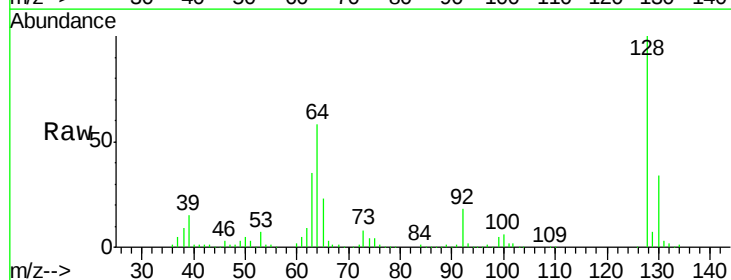
Tgt Ion: 128 Resp: 293836

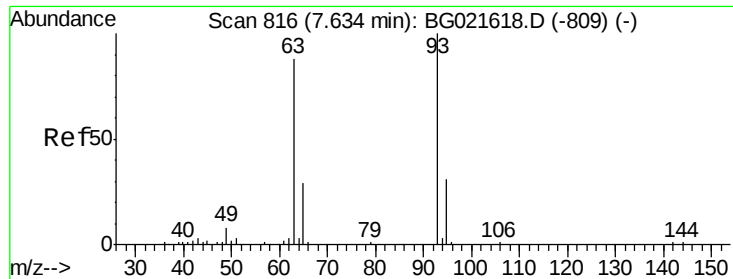
Ion Ratio Lower Upper

128 100

130 33.5 11.2 51.2

64 57.7 39.8 79.8

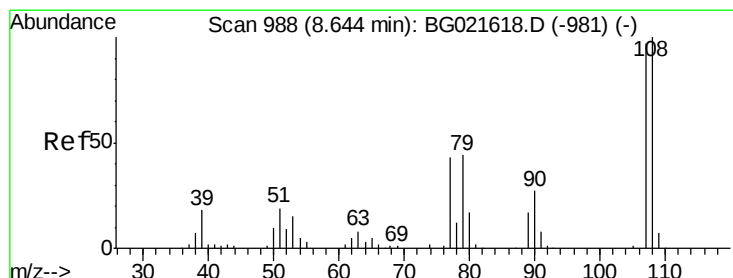
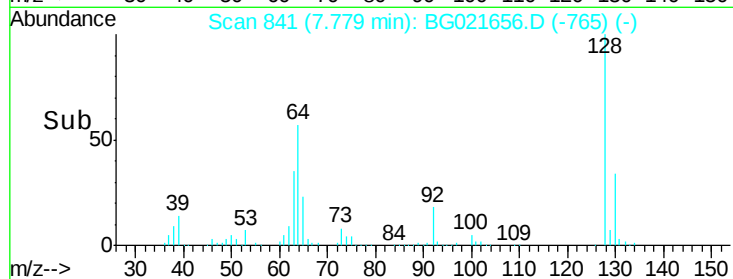
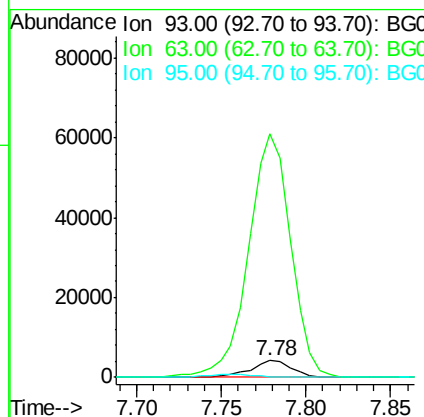
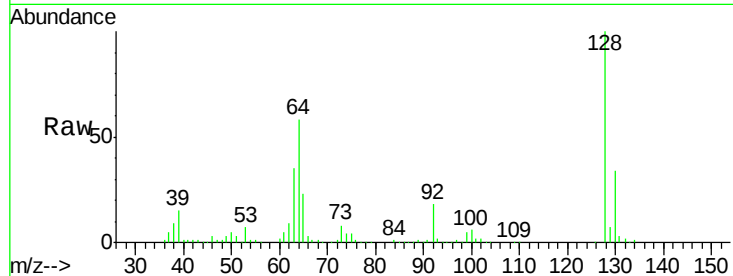




#11
 bis(2-Chloroethyl)ether
 Concen: 3.05 ng
 RT: 7.78 min Scan# 841
 Delta R.T. 0.15 min
 Lab File: BG021656.D
 Acq: 14 Apr 2016 17:16

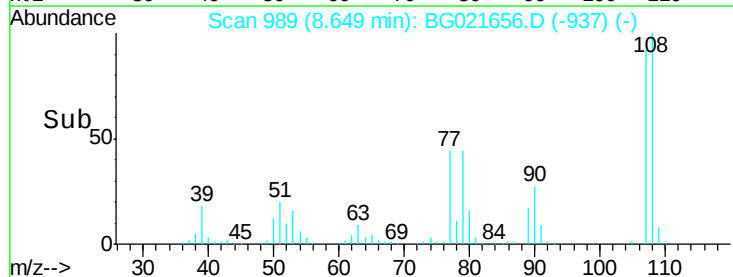
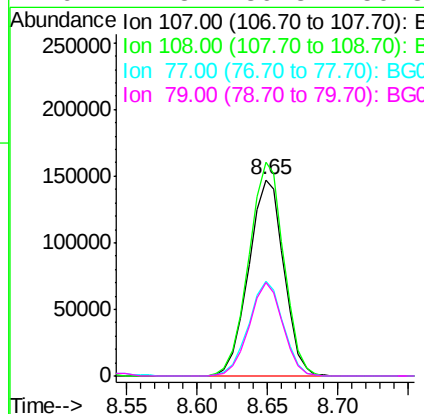
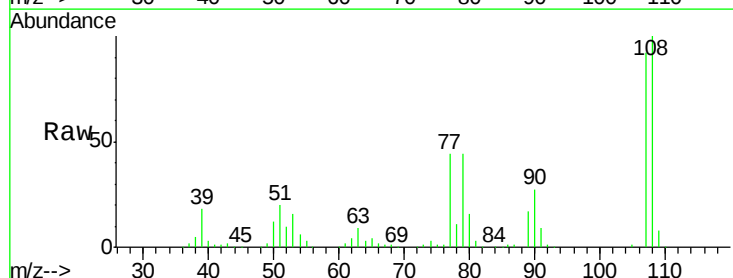
Instrument :
 BNA_G
 ClientSampleId :
 PT-ACIDS-WP

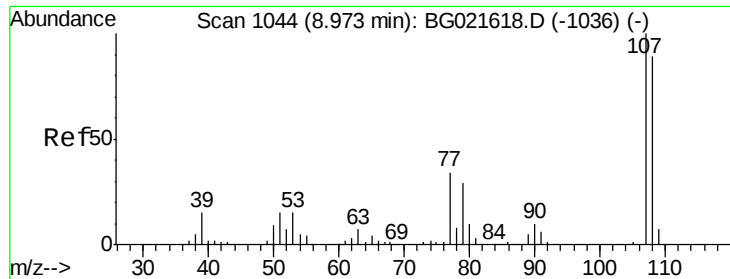
Tgt Ion: 93 Resp: 7092
 Ion Ratio Lower Upper
 93 100
 63 1435.7 74.9 114.9#
 95 4.2 8.3 48.3#



#17
 2-Methylphenol
 Concen: 127.54 ng
 RT: 8.65 min Scan# 989
 Delta R.T. 0.00 min
 Lab File: BG021656.D
 Acq: 14 Apr 2016 17:16

Tgt Ion: 107 Resp: 256589
 Ion Ratio Lower Upper
 107 100
 108 108.8 80.2 120.4
 77 48.3 40.7 61.1
 79 47.8 39.8 59.8

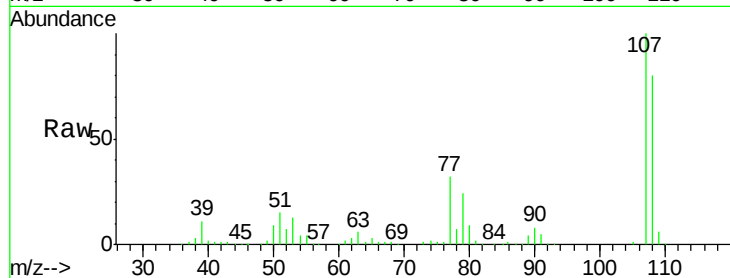




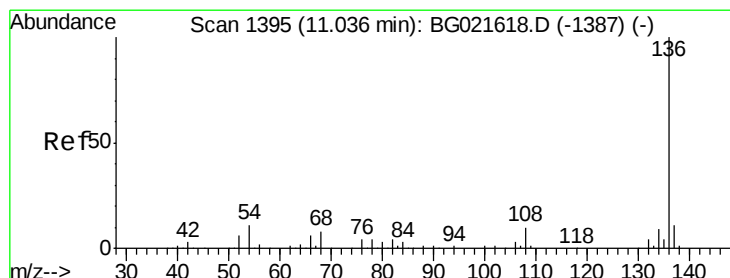
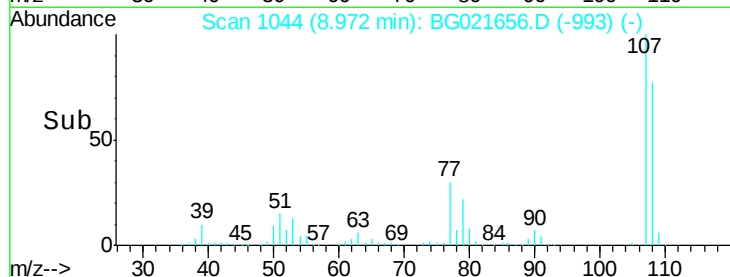
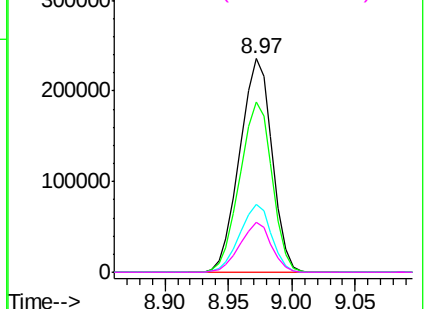
#20
3+4-Methylphenols
Concen: 151.99 ng
RT: 8.97 min Scan# 1044
Delta R.T. -0.00 min
Lab File: BG021656.D
Acq: 14 Apr 2016 17:16

Instrument :
BNA_G
ClientSampleId :
PT-ACIDS-WP

Tgt Ion:	107	Resp:	418415
Ion	Ratio	Lower	Upper
107	100		
108	79.8	66.2	106.2
77	32.0	11.5	51.5
79	23.6	5.6	45.6

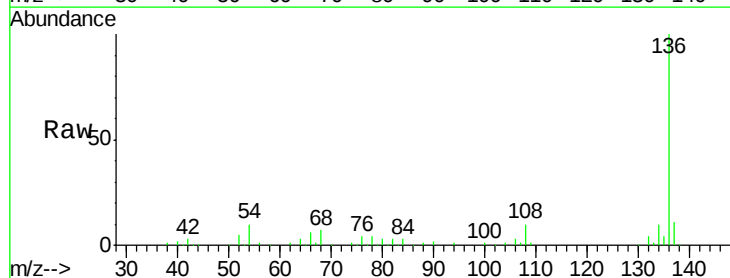


Abundance Ion 107.00 (106.70 to 107.70): E
Ion 108.00 (107.70 to 108.70): E
Ion 77.00 (76.70 to 77.70): BGC
Ion 79.00 (78.70 to 79.70): BGC

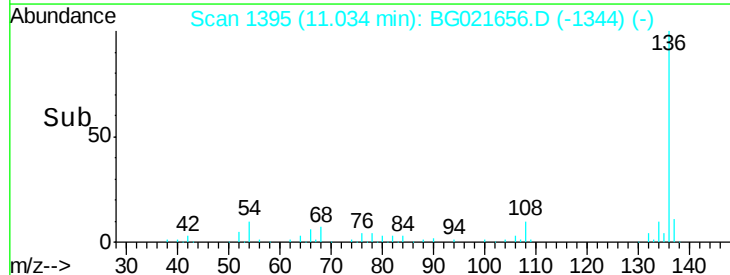
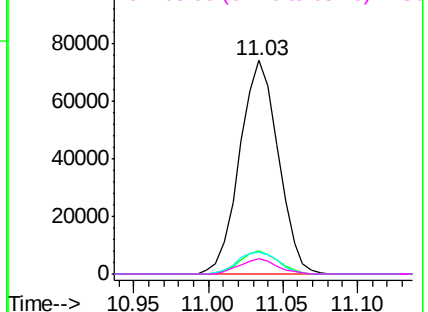


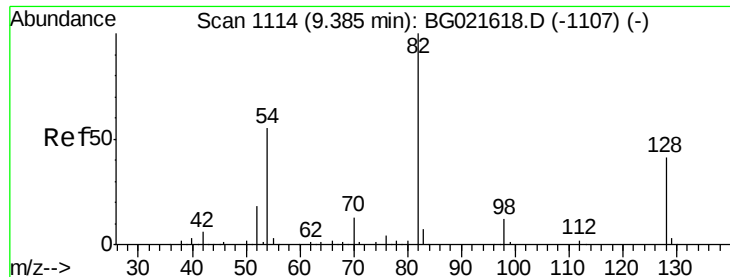
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 11.03 min Scan# 1395
Delta R.T. -0.00 min
Lab File: BG021656.D
Acq: 14 Apr 2016 17:16

Tgt Ion:	136	Resp:	132232
Ion	Ratio	Lower	Upper
136	100		
137	10.8	9.0	13.4
54	10.4	9.6	14.4
68	6.9	6.4	9.6



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

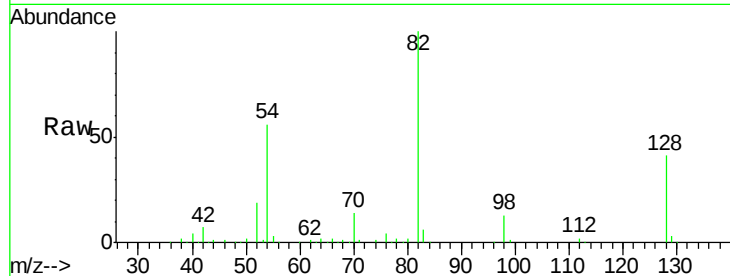




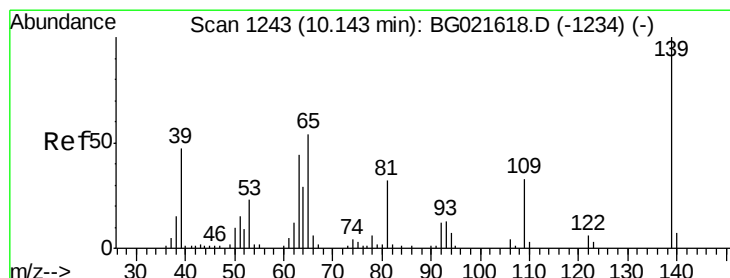
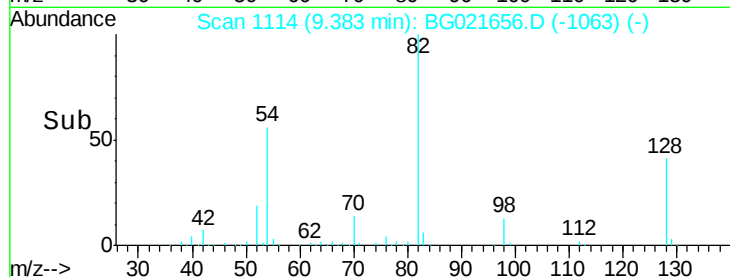
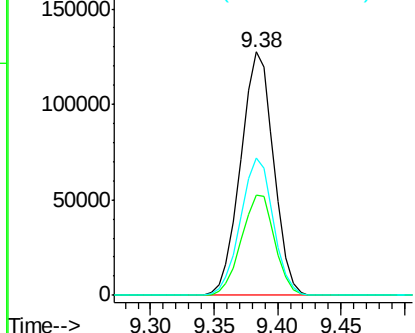
#23
 Nitrobenzene-d5
 Concen: 89.27 ng
 RT: 9.38 min Scan# 1114
 Delta R.T. -0.00 min
 Lab File: BG021656.D
 Acq: 14 Apr 2016 17:16

Instrument :
 BNA_G
 ClientSampleId :
 PT-ACIDS-WP

Tgt Ion: 82 Resp: 229648
 Ion Ratio Lower Upper
 82 100
 128 41.2 33.4 50.0
 54 56.4 46.1 69.1

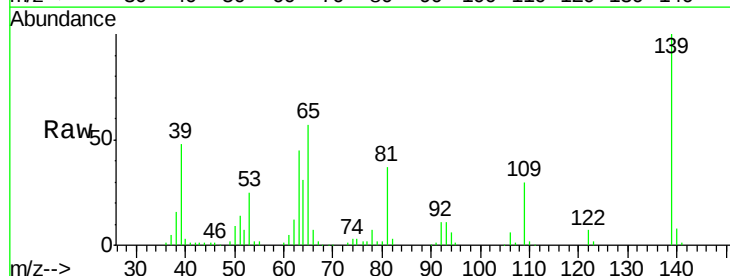


Abundance Ion 82.00 (81.70 to 82.70): BGC
 Ion 128.00 (127.70 to 128.70): BGC
 Ion 54.00 (53.70 to 54.70): BGC

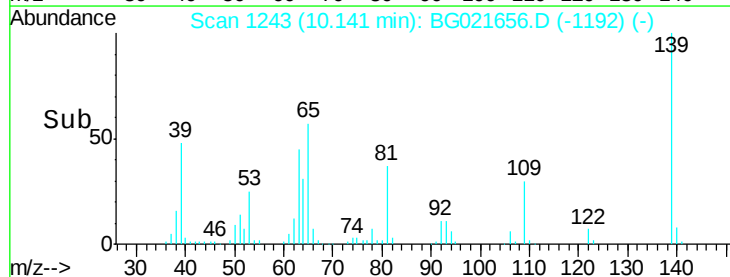
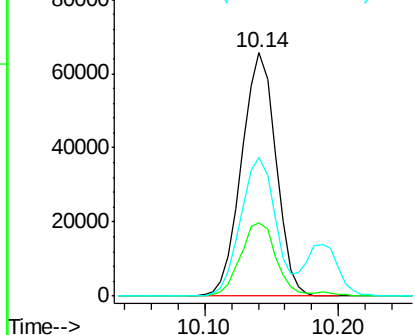


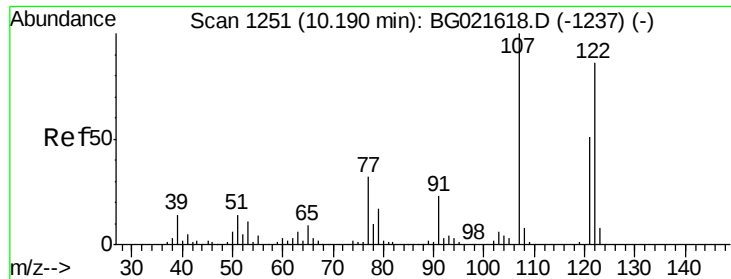
#26
 2-Nitrophenol
 Concen: 111.21 ng
 RT: 10.14 min Scan# 1243
 Delta R.T. -0.00 min
 Lab File: BG021656.D
 Acq: 14 Apr 2016 17:16

Tgt Ion: 139 Resp: 116952
 Ion Ratio Lower Upper
 139 100
 109 30.2 26.6 40.0
 65 56.9 45.3 67.9



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

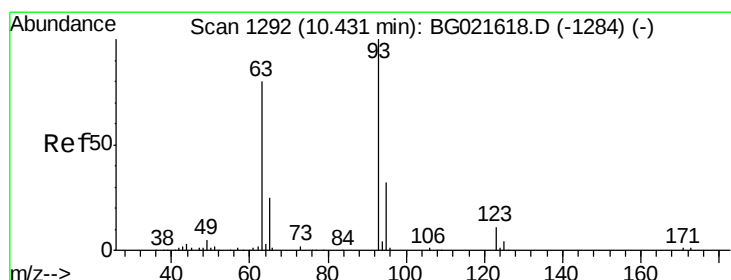
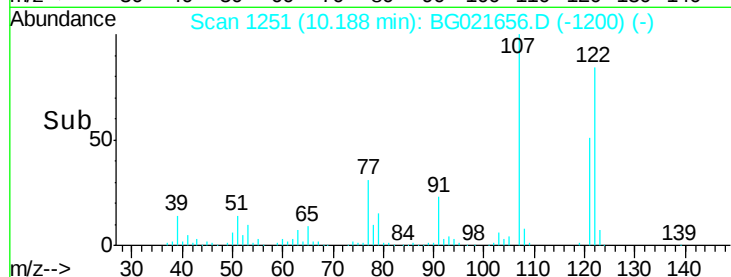
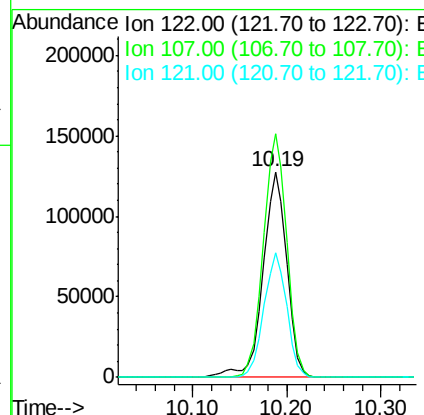
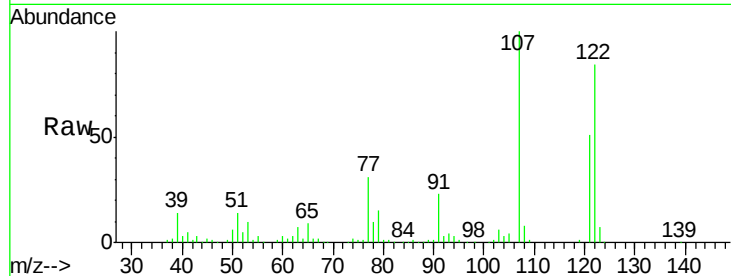




#27
 2,4-Dimethylphenol
 Concen: 93.10 ng
 RT: 10.19 min Scan# 1251
 Delta R.T. -0.00 min
 Lab File: BG021656.D
 Acq: 14 Apr 2016 17:16

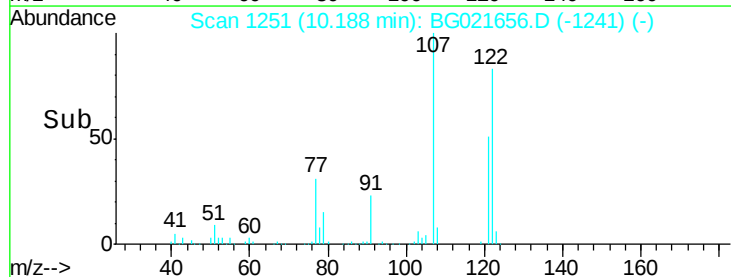
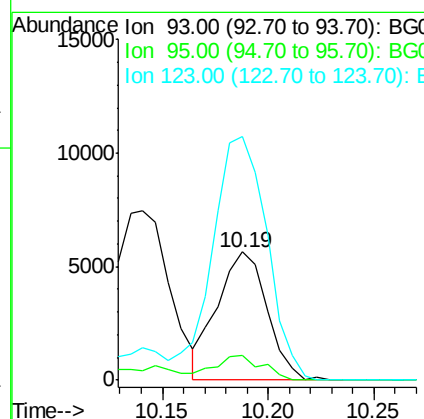
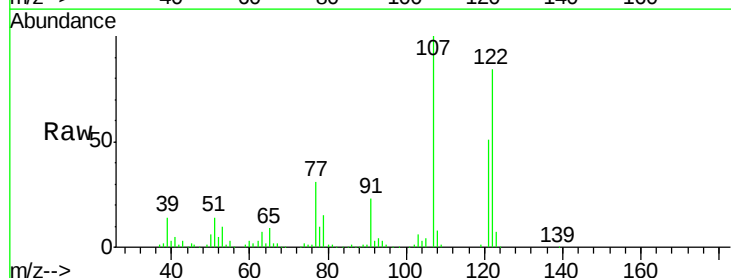
Instrument :
 BNA_G
 ClientSampleId :
 PT-ACIDS-WP

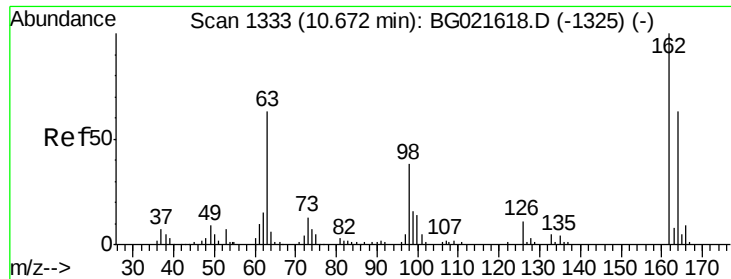
Tgt Ion: 122 Resp: 222411
 Ion Ratio Lower Upper
 122 100
 107 118.5 97.2 145.8
 121 60.4 49.0 73.4



#28
 bis(2-Chloroethoxy)methane
 Concen: 3.07 ng
 RT: 10.19 min Scan# 1251
 Delta R.T. -0.24 min
 Lab File: BG021656.D
 Acq: 14 Apr 2016 17:16

Tgt Ion: 93 Resp: 9194
 Ion Ratio Lower Upper
 93 100
 95 19.6 30.1 45.1#
 123 190.1 10.2 15.4#

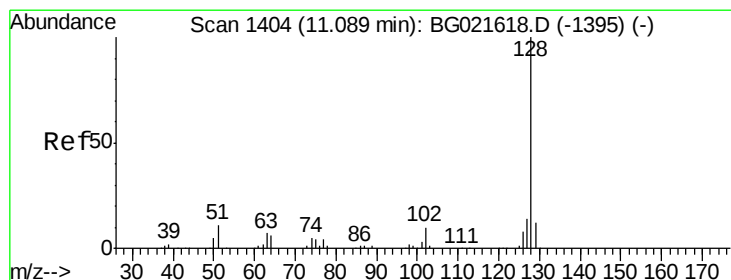
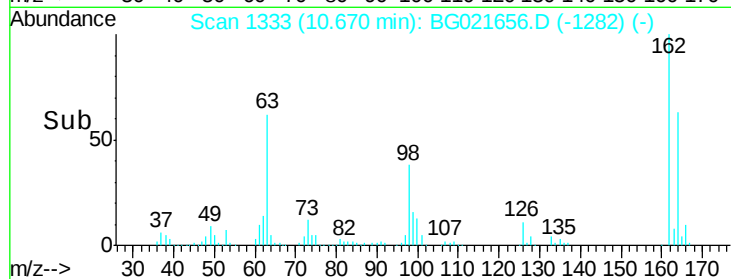
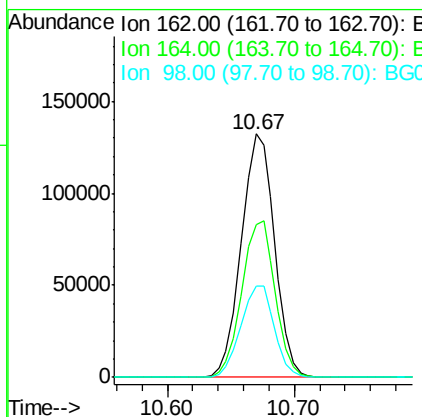
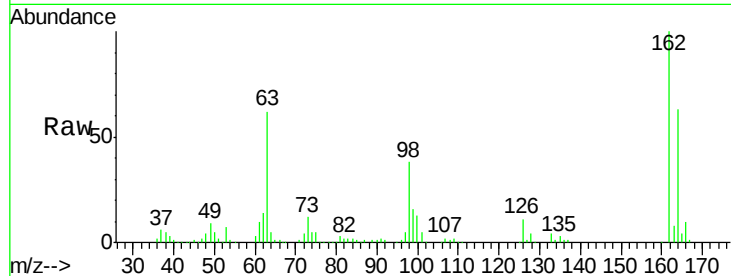




#29
2,4-Dichlorophenol
Concen: 118.13 ng
RT: 10.67 min Scan# 1333
Delta R.T. -0.00 min
Lab File: BG021656.D
Acq: 14 Apr 2016 17:16

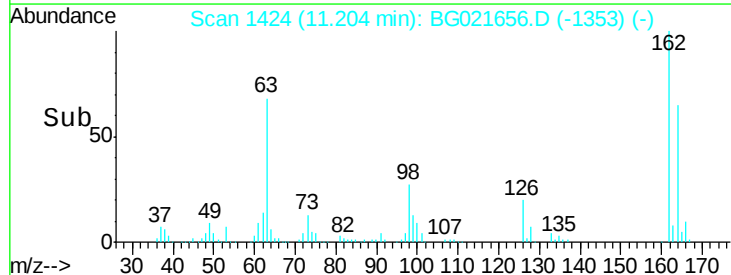
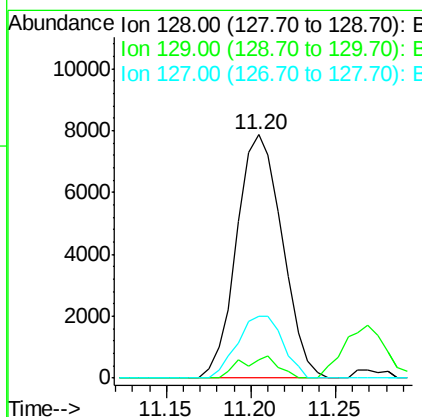
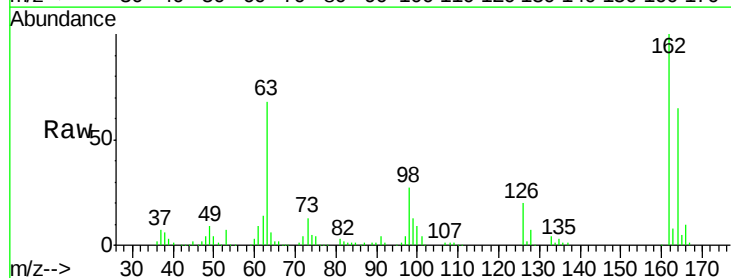
Instrument :
BNA_G
ClientSampleId :
PT-ACIDS-WP

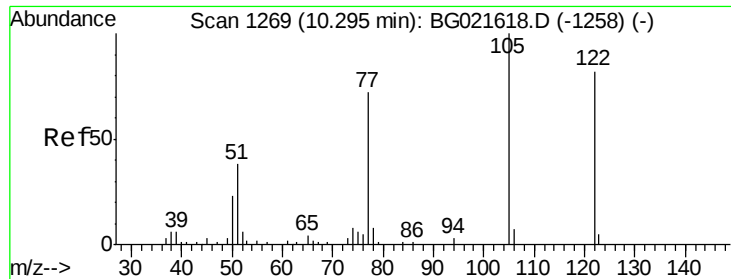
Tgt Ion	Ratio	Lower	Upper
162	100		
164	62.7	44.9	84.9
98	37.6	19.2	59.2



#31
Naphthalene
Concen: 2.09 ng
RT: 11.20 min Scan# 1424
Delta R.T. 0.12 min
Lab File: BG021656.D
Acq: 14 Apr 2016 17:16

Tgt Ion	Ratio	Lower	Upper
128	100		
129	7.5	7.0	10.6
127	25.6	10.1	15.1#





#32

Benzoic acid

Concen: 115.20 ng

RT: 10.19 min Scan# 1251

Delta R.T. -0.11 min

Lab File: BG021656.D

Acq: 14 Apr 2016 17:16

Instrument :

BNA_G

ClientSampleId :

PT-ACIDS-WP

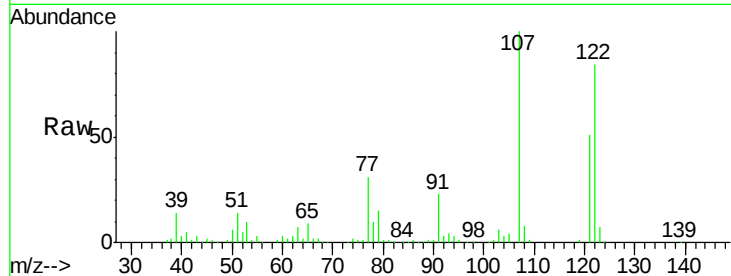
Tgt Ion:122 Resp: 222411

Ion Ratio Lower Upper

122 100

105 4.4 104.5 144.5#

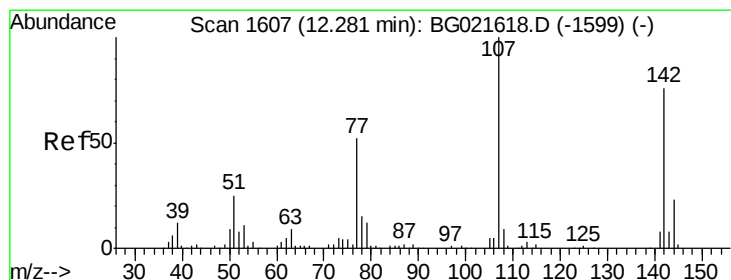
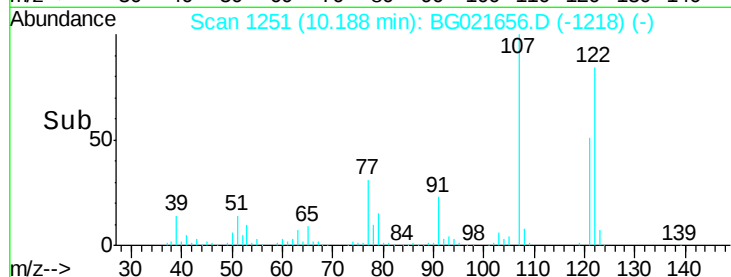
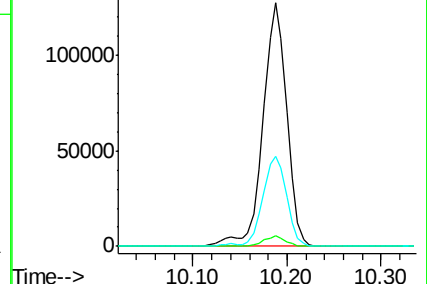
77 37.1 79.9 119.9#



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: 79.93 ng

RT: 12.28 min Scan# 1607

Delta R.T. -0.00 min

Lab File: BG021656.D

Acq: 14 Apr 2016 17:16

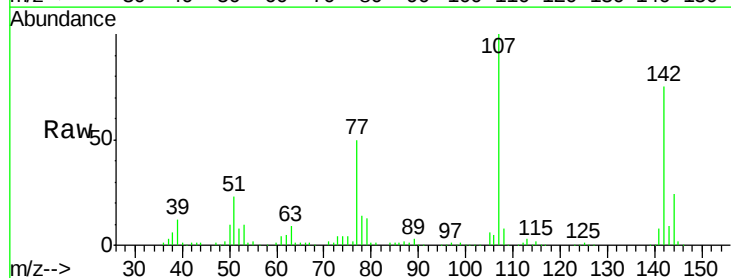
Tgt Ion:107 Resp: 204707

Ion Ratio Lower Upper

107 100

144 23.9 19.2 28.8

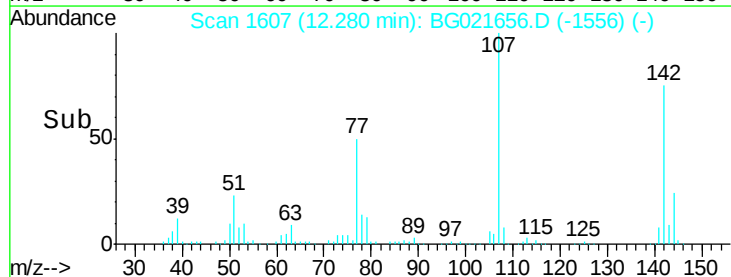
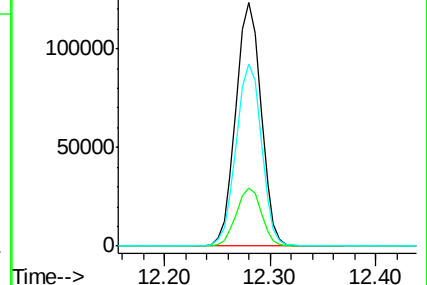
142 74.8 59.1 88.7

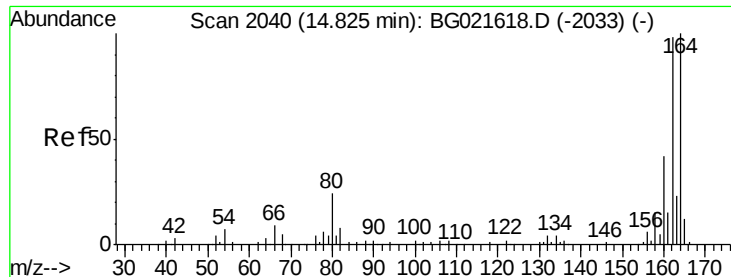


Abundance Ion 107.00 (106.70 to 107.70): E

Ion 144.00 (143.70 to 144.70): E

Ion 142.00 (141.70 to 142.70): E





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 14.82 min Scan# 2040

Delta R.T. -0.00 min

Lab File: BG021656.D

Acq: 14 Apr 2016 17:16

Instrument :

BNA_G

ClientSampleId :

PT-ACIDS-WP

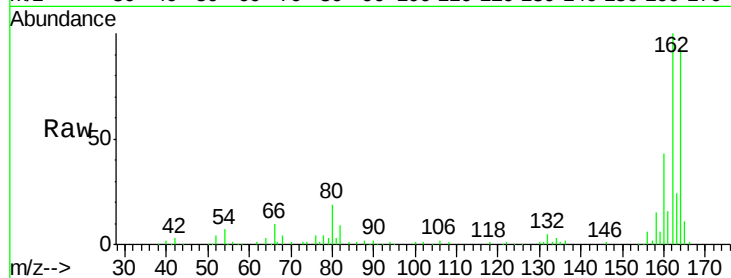
Tgt Ion:164 Resp: 88431

Ion Ratio Lower Upper

164 100

162 107.3 78.0 117.0

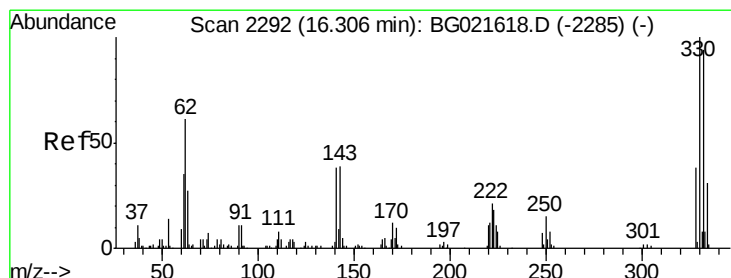
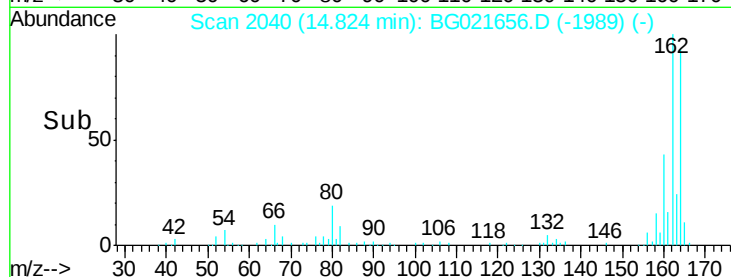
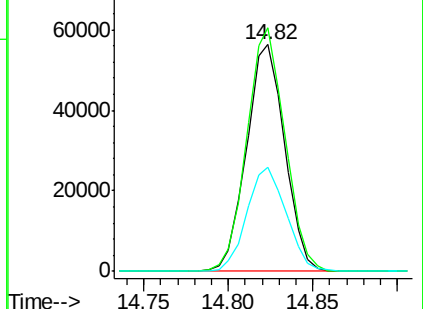
160 45.9 32.9 49.3



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: 160.73 ng

RT: 16.30 min Scan# 2292

Delta R.T. -0.00 min

Lab File: BG021656.D

Acq: 14 Apr 2016 17:16

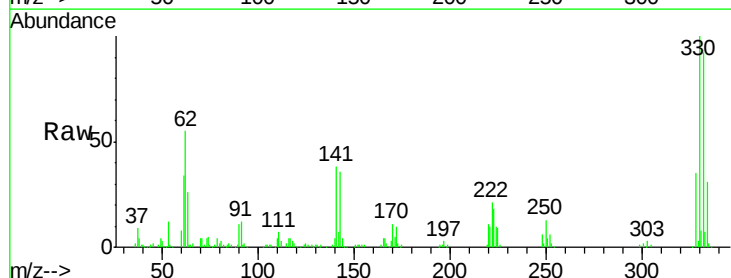
Tgt Ion:330 Resp: 153181

Ion Ratio Lower Upper

330 100

332 95.5 78.0 117.0

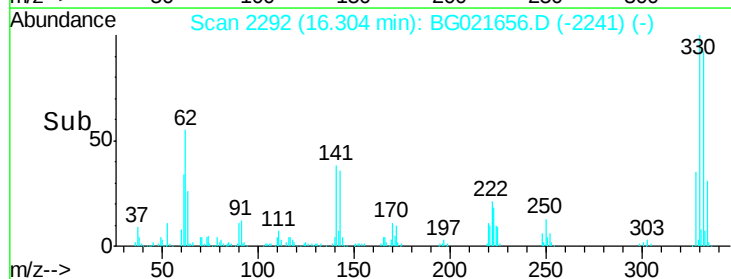
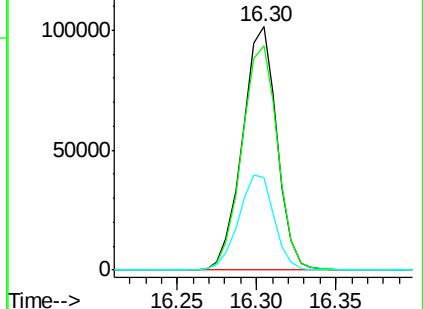
141 39.9 33.8 50.8

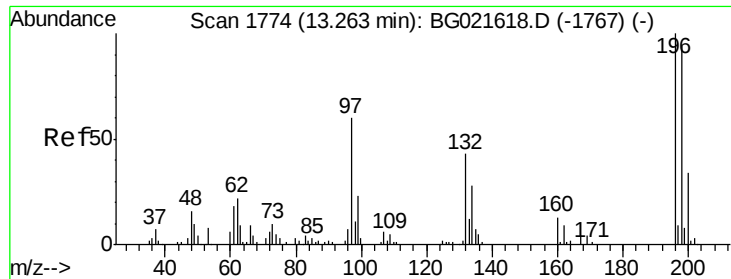


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

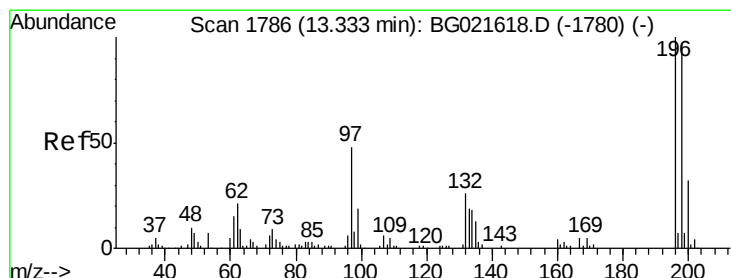
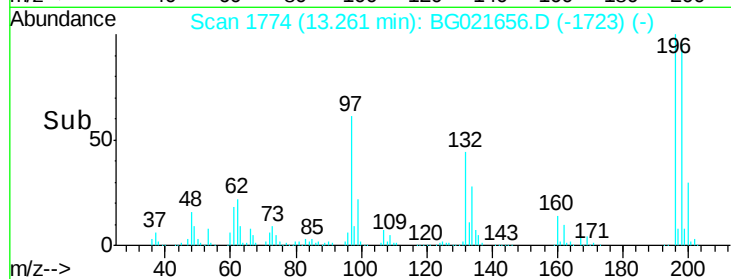
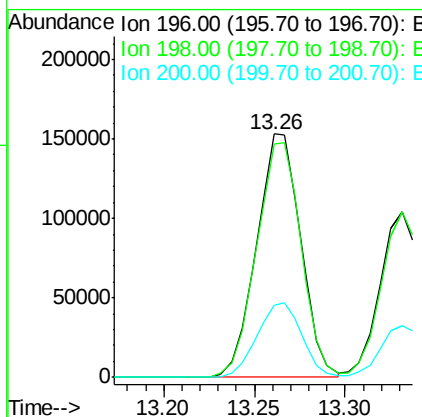
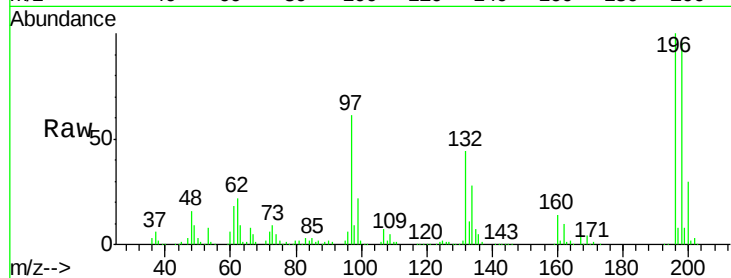




#42
 2,4,6-Trichlorophenol
 Concen: 148.06 ng
 RT: 13.26 min Scan# 1774
 Delta R.T. -0.00 min
 Lab File: BG021656.D
 Acq: 14 Apr 2016 17:16

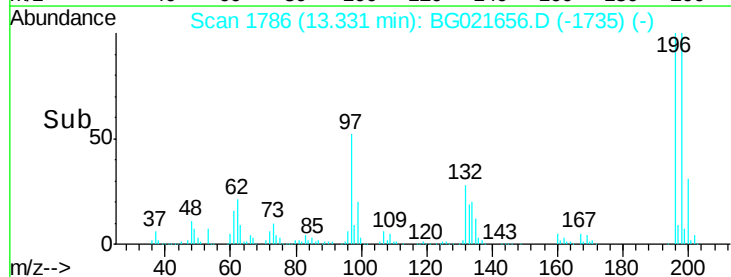
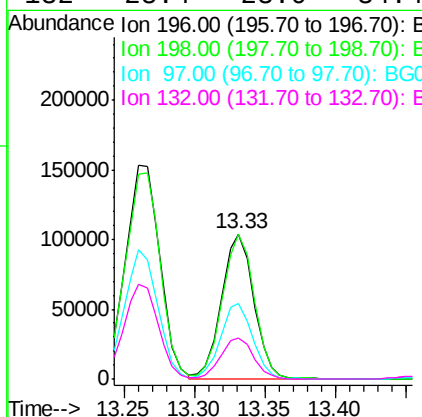
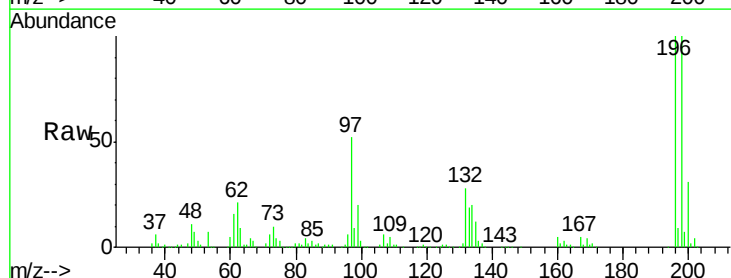
Instrument :
 BNA_G
 ClientSampleId :
 PT-ACIDS-WP

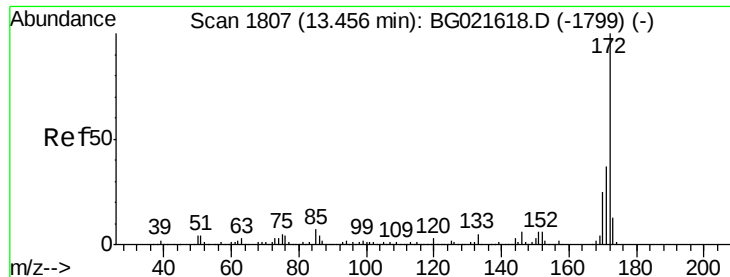
Tgt Ion:196 Resp: 260920
 Ion Ratio Lower Upper
 196 100
 198 96.1 80.1 120.1
 200 29.7 24.1 36.1



#43
 2,4,5-Trichlorophenol
 Concen: 87.09 ng
 RT: 13.33 min Scan# 1786
 Delta R.T. -0.00 min
 Lab File: BG021656.D
 Acq: 14 Apr 2016 17:16

Tgt Ion:196 Resp: 165615
 Ion Ratio Lower Upper
 196 100
 198 99.8 78.0 117.0
 97 51.9 43.0 64.6
 132 28.4 23.0 34.4





#44

2-Fluorobiphenyl

Concen: 87.69 ng

RT: 13.45 min Scan# 1807

Delta R.T. -0.00 min

Lab File: BG021656.D

Acq: 14 Apr 2016 17:16

Instrument :

BNA_G

ClientSampleId :

PT-ACIDS-WP

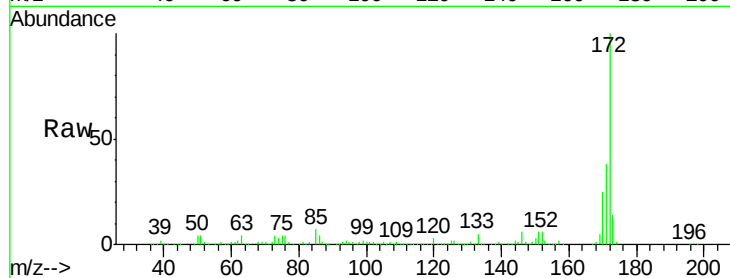
Tgt Ion:172 Resp: 529276

Ion Ratio Lower Upper

172 100

171 38.3 27.8 41.6

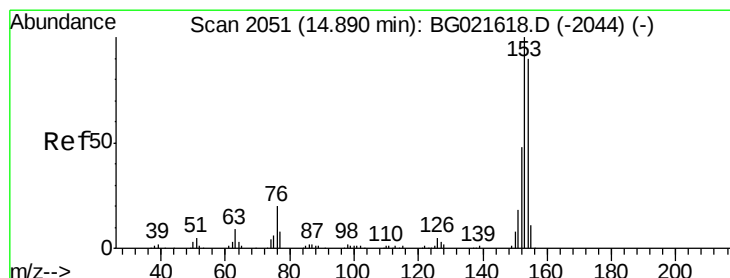
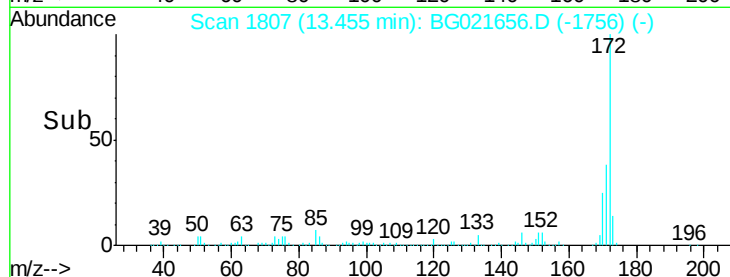
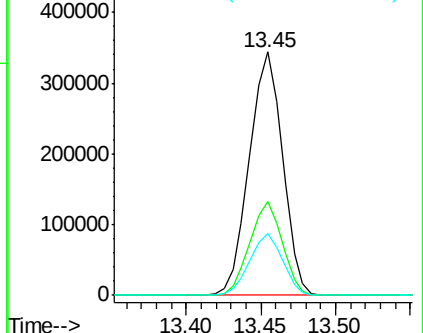
170 25.4 19.6 29.4



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



#51

Acenaphthene

Concen: 8.39 ng

RT: 14.92 min Scan# 2056

Delta R.T. 0.03 min

Lab File: BG021656.D

Acq: 14 Apr 2016 17:16

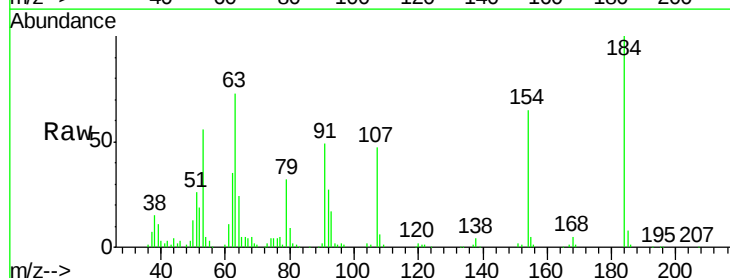
Tgt Ion:154 Resp: 48867

Ion Ratio Lower Upper

154 100

153 0.0 91.9 137.9#

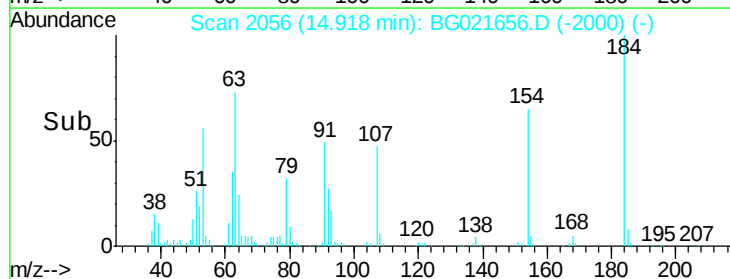
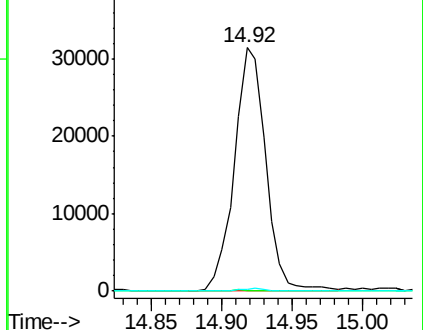
152 0.8 42.0 63.0#

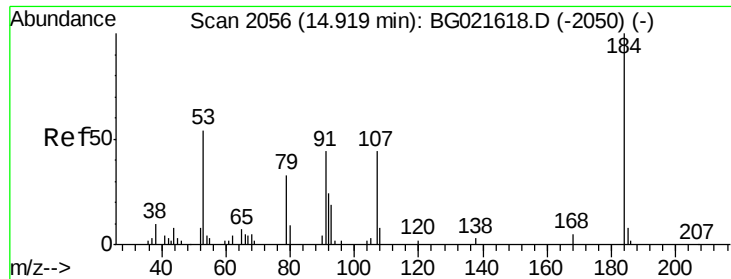


Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

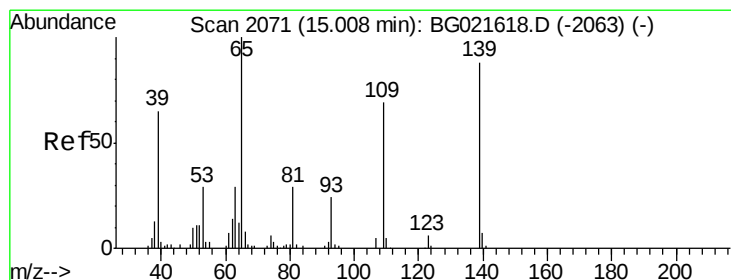
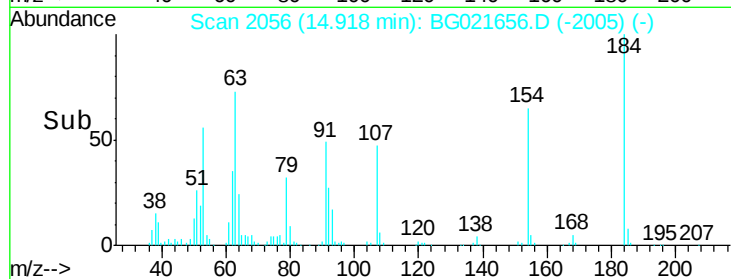
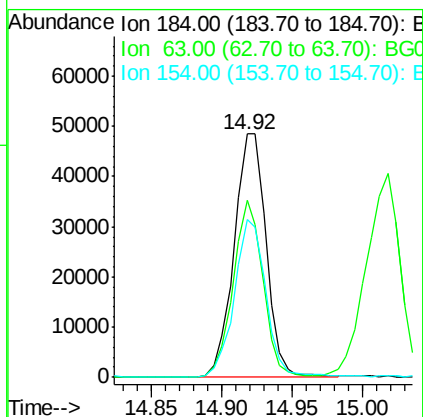
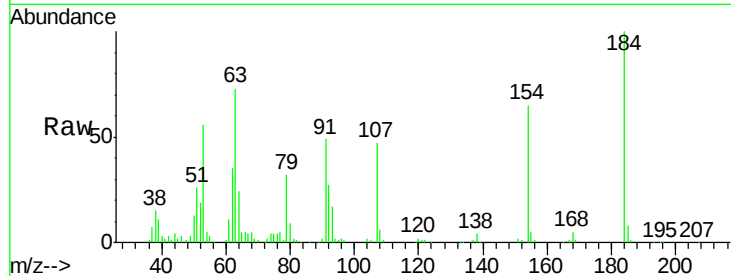




#53
2,4-Dinitrophenol
Concen: 131.85 ng
RT: 14.92 min Scan# 2056
Delta R.T. -0.00 min
Lab File: BG021656.D
Acq: 14 Apr 2016 17:16

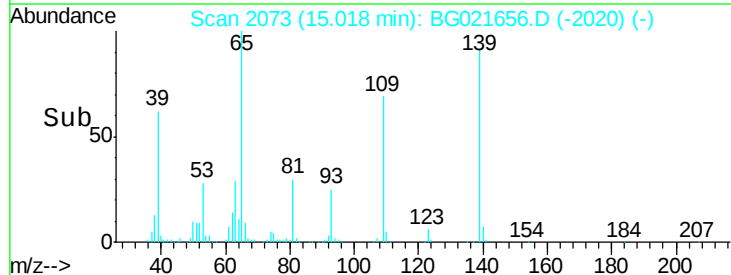
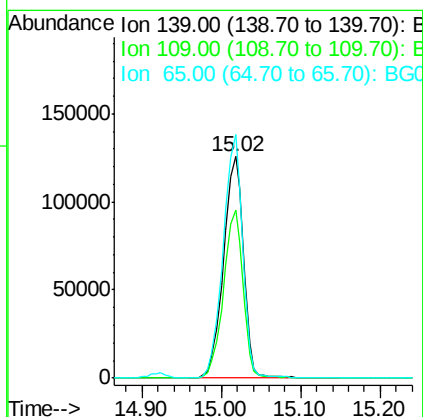
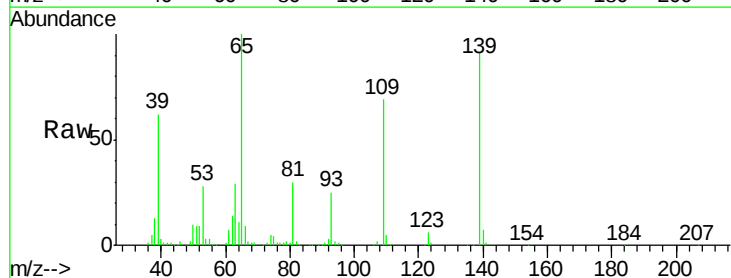
Instrument :
BNA_G
ClientSampleId :
PT-ACIDS-WP

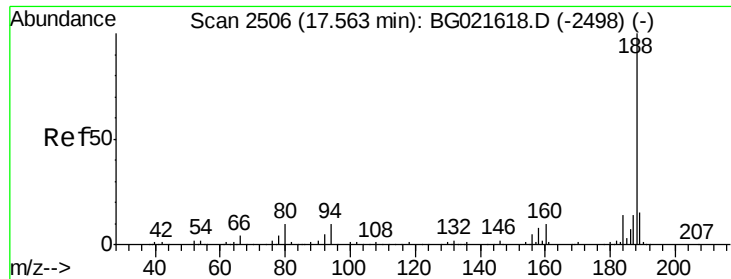
Tgt Ion:184 Resp: 76938
Ion Ratio Lower Upper
184 100
63 72.5 57.3 85.9
154 64.8 55.2 82.8



#55
4-Nitrophenol
Concen: 158.91 ng
RT: 15.02 min Scan# 2073
Delta R.T. 0.01 min
Lab File: BG021656.D
Acq: 14 Apr 2016 17:16

Tgt Ion:139 Resp: 220008
Ion Ratio Lower Upper
139 100
109 75.6 49.2 89.2
65 109.8 83.2 123.2

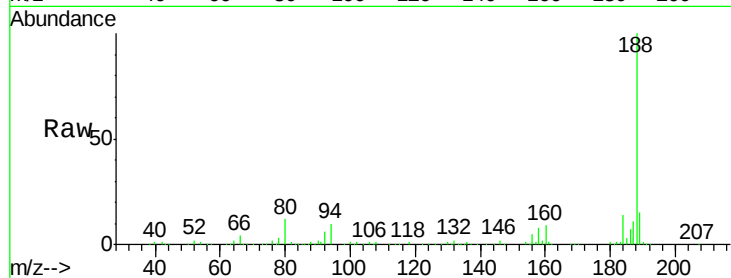




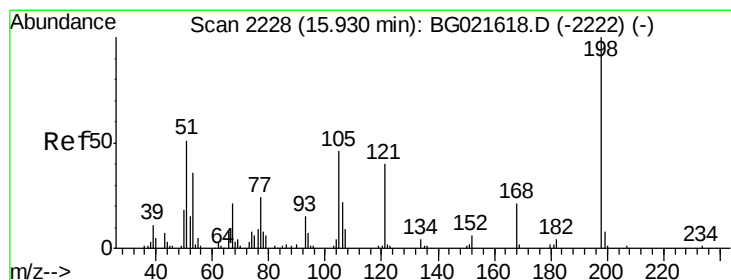
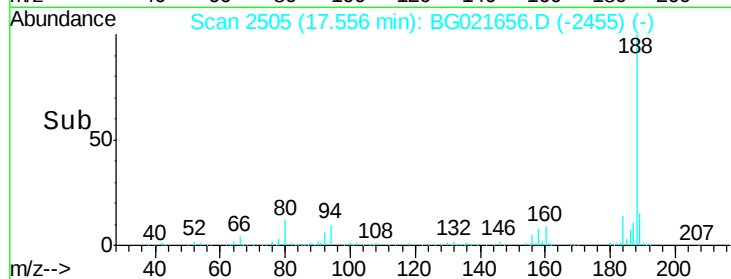
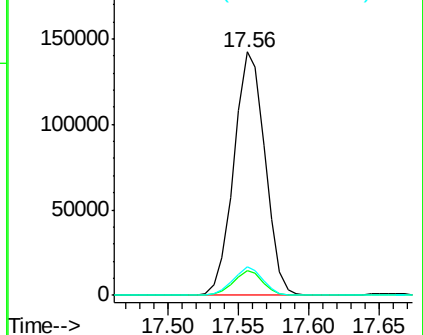
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 17.56 min Scan# 2505
Delta R.T. -0.01 min
Lab File: BG021656.D
Acq: 14 Apr 2016 17:16

Instrument :
BNA_G
ClientSampleId :
PT-ACIDS-WP

Tgt Ion:188 Resp: 218904
Ion Ratio Lower Upper
188 100
94 10.3 7.5 11.3
80 11.6 8.6 13.0

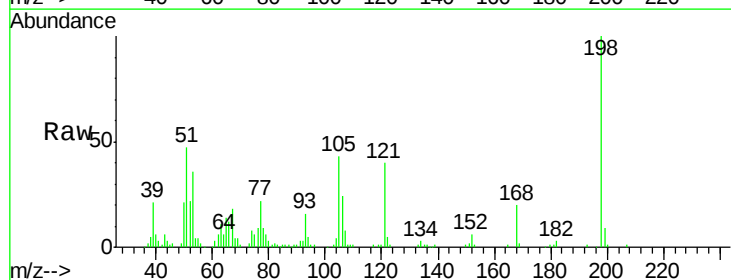


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BG
Ion 80.00 (79.70 to 80.70): BG

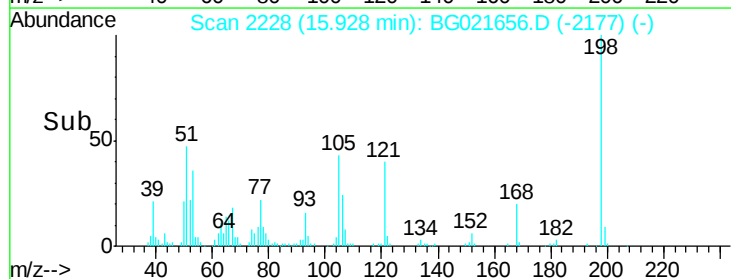
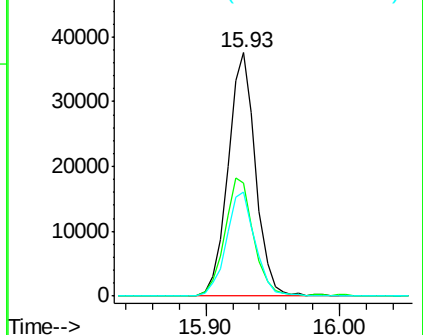


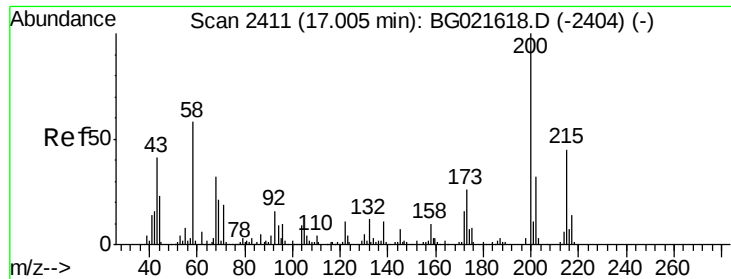
#64
4,6-Dinitro-2-methylphenol
Concen: 57.90 ng
RT: 15.93 min Scan# 2228
Delta R.T. -0.00 min
Lab File: BG021656.D
Acq: 14 Apr 2016 17:16

Tgt Ion:198 Resp: 53929
Ion Ratio Lower Upper
198 100
51 46.7 29.2 69.2
105 42.7 24.0 64.0



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

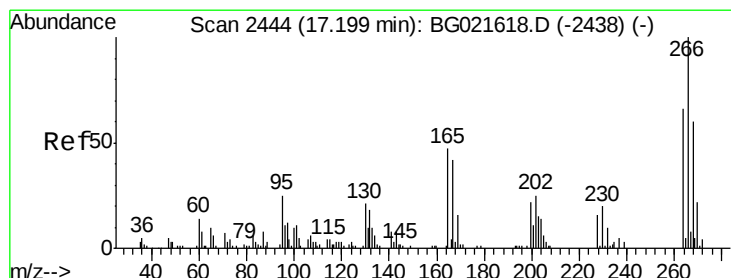
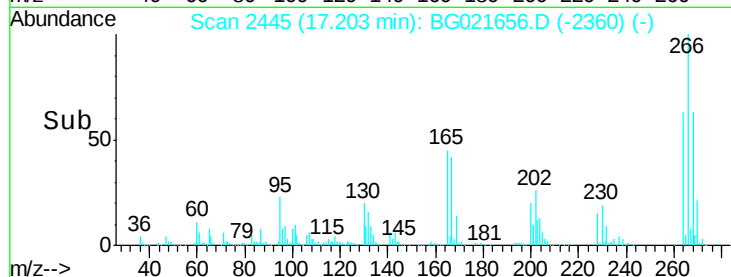
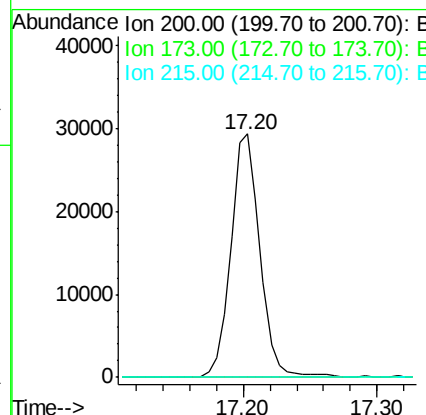
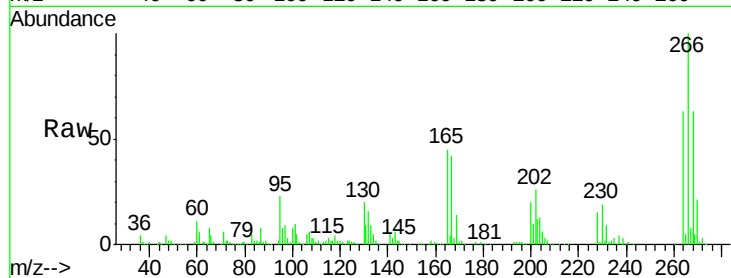




#68
 Atrazine
 Concen: 17.24 ng
 RT: 17.20 min Scan# 2445
 Delta R.T. 0.20 min
 Lab File: BG021656.D
 Acq: 14 Apr 2016 17:16

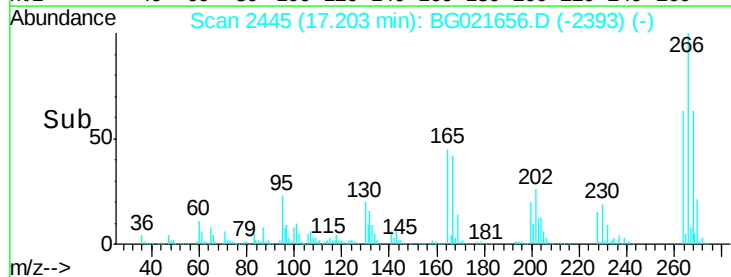
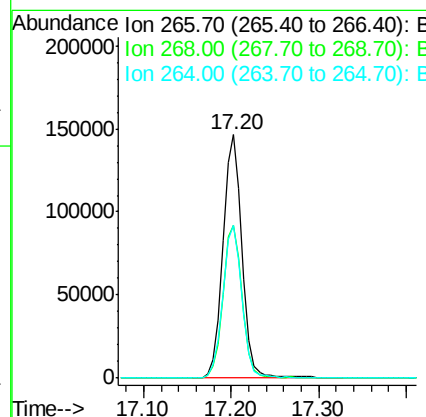
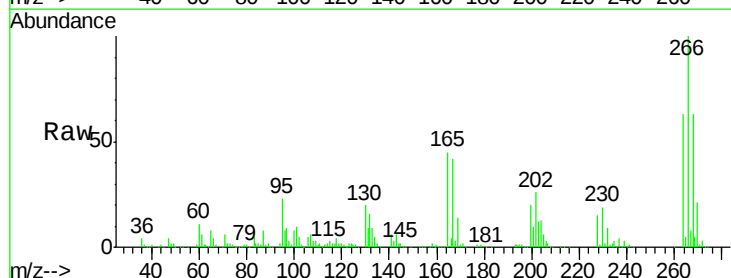
Instrument :
 BNA_G
 ClientSampleId :
 PT-ACIDS-WP

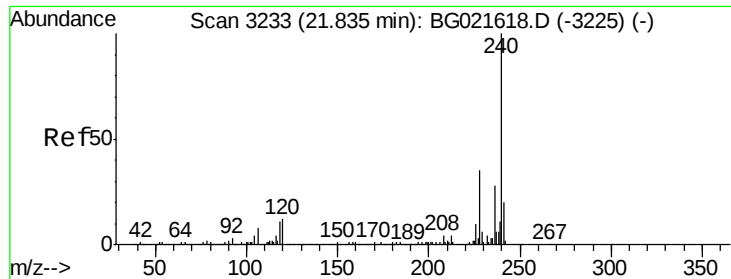
Tgt Ion	Ratio	Lower	Upper
200	100		
173	0.0	5.1	45.1#
215	0.7	28.0	68.0#



#69
 Pentachlorophenol
 Concen: 156.64 ng
 RT: 17.20 min Scan# 2445
 Delta R.T. 0.00 min
 Lab File: BG021656.D
 Acq: 14 Apr 2016 17:16

Tgt Ion	Ratio	Lower	Upper
266	100		
268	62.5	54.5	81.7
264	62.7	53.8	80.6

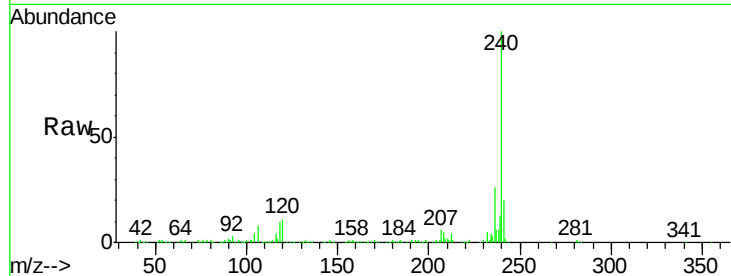




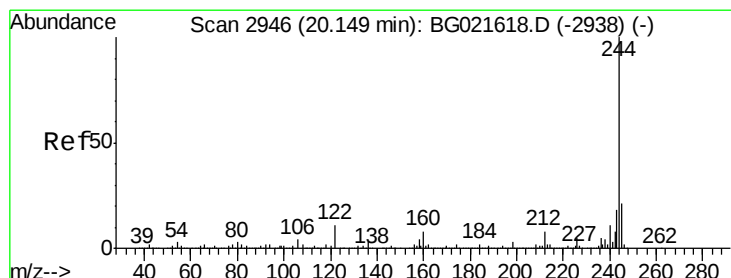
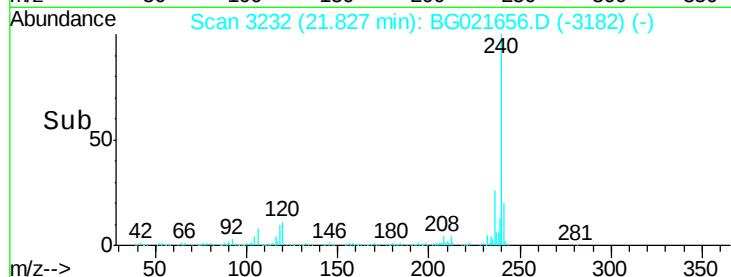
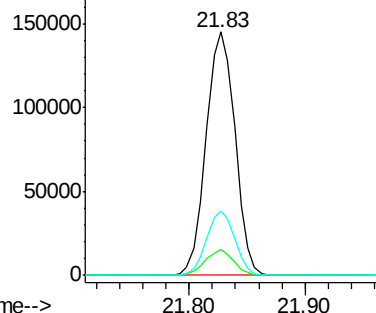
#75
Chrysene-d12
Concen: 20.00 ng
RT: 21.83 min Scan# 3232
Delta R.T. -0.01 min
Lab File: BG021656.D
Acq: 14 Apr 2016 17:16

Instrument :
BNA_G
ClientSampleId :
PT-ACIDS-WP

Tgt Ion:240 Resp: 251457
Ion Ratio Lower Upper
240 100
120 10.8 8.4 12.6
236 26.2 19.6 29.4

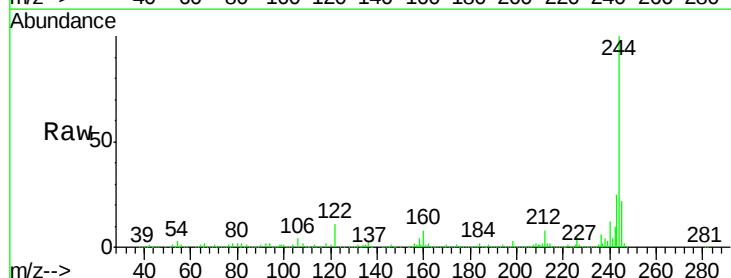


Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E

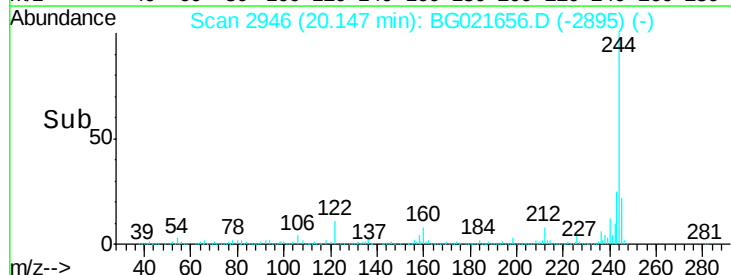
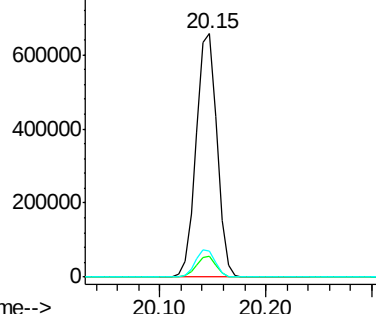


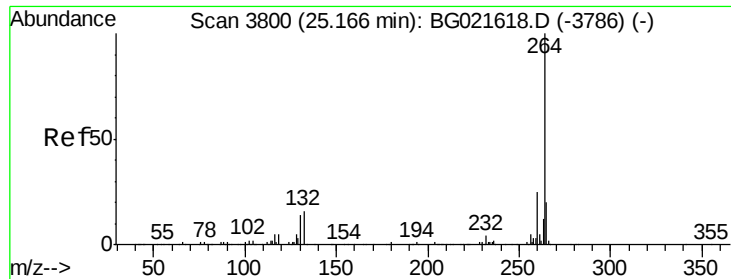
#78
Terphenyl-d14
Concen: 88.64 ng
RT: 20.15 min Scan# 2946
Delta R.T. -0.00 min
Lab File: BG021656.D
Acq: 14 Apr 2016 17:16

Tgt Ion:244 Resp: 893258
Ion Ratio Lower Upper
244 100
212 8.4 6.5 9.7
122 10.7 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

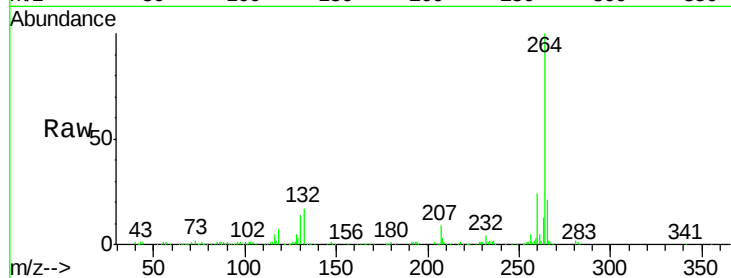




#86
Perylene-d12
Concen: 20.00 ng
RT: 25.16 min Scan# 3799
Delta R.T. -0.01 min
Lab File: BG021656.D
Acq: 14 Apr 2016 17:16

Instrument :
BNA_G
ClientSampleId :
PT-ACIDS-WP

Tgt Ion: 264 Resp: 246161
Ion Ratio Lower Upper
264 100
260 24.4 20.2 30.4
265 21.0 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

