

Data Path : Z:\HPCHEM1\BNA G\DATA\BG032017\
 Data File : BG026331.D
 Acq On : 20 Mar 2017 17:47
 Operator : SJ/MA
 Sample : I2194-06
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 PT-ACIDS-WP

Quant Time: Mar 21 01:11:34 2017
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG032017.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Mar 20 17:43:27 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.05	152	129651	20.00	ng	0.00
21) Naphthalene-d8	10.85	136	538689	20.00	ng	0.00
38) Acenaphthene-d10	14.66	164	309483	20.00	ng	0.00
63) Phenanthrene-d10	17.39	188	729584	20.00	ng	0.00
75) Chrysene-d12	21.63	240	856619	20.00	ng	0.00
86) Perylene-d12	24.81	264	811704	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.62	112	1044738	143.02	ng	0.00
7) Phenol-d6	7.21	99	1414244	144.21	ng	0.00
23) Nitrobenzene-d5	9.20	82	793874	88.61	ng	0.00
41) 2,4,6-Tribromophenol	16.14	330	515717	145.51	ng	0.00
44) 2-Fluorobiphenyl	13.28	172	1944681	88.12	ng	0.00
78) Terphenyl-d14	19.99	244	2704642	76.68	ng	0.00

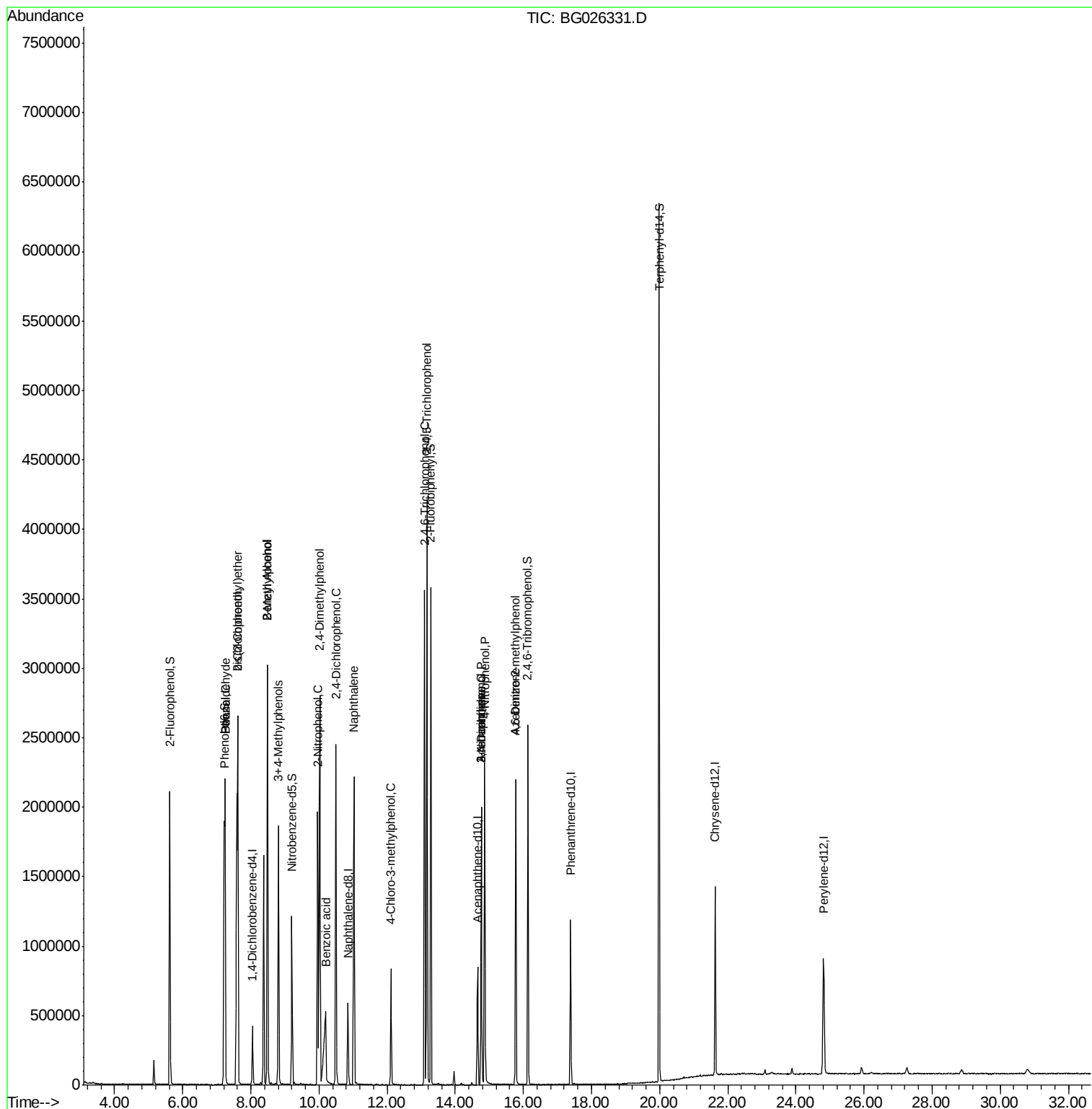
Target Compounds						Qvalue
8) 2-Chlorophenol	7.62	128	1282674	155.94	ng	86
9) Benzaldehyde	7.24	77	14061	2.12	ng	# 10
10) Phenol	7.24	94	1344747	128.50	ng	# 73
11) bis(2-Chloroethyl)ether	7.62	93	29086	3.39	ng	# 1
15) Benzyl Alcohol	8.49	79	410284	63.81	ng	# 1
17) 2-Methylphenol	8.49	107	1076824	144.89	ng	# 82
20) 3+4-Methylphenols	8.81	107	1004512	98.17	ng	# 79
26) 2-Nitrophenol	9.96	139	830901	180.52	ng	# 67
27) 2,4-Dimethylphenol	10.02	122	987159	130.66	ng	85
29) 2,4-Dichlorophenol	10.50	162	1021780	133.73	ng	95
31) Naphthalene	11.03	128	62320	2.29	ng	# 82
32) Benzoic acid	10.20	122	538742	92.67	ng	# 72
36) 4-Chloro-3-methylphenol	12.11	107	309819	37.91	ng	# 80
42) 2,4,6-Trichlorophenol	13.10	196	953484	156.39	ng	96
43) 2,4,5-Trichlorophenol	13.17	196	1193063	177.04	ng	# 92
51) Acenaphthene	14.77	154	290287	14.45	ng	# 6
52) 3-Nitroaniline	14.76	138	15306	2.55	ng	# 1
53) 2,4-Dinitrophenol	14.77	184	546753	172.88	ng	# 80
55) 4-Nitrophenol	14.87	139	829360	168.72	ng	# 42
62) Azobenzene	15.77	77	115738	5.96	ng	# 1
64) 4,6-Dinitro-2-methylphenol	15.78	198	647293	140.72	ng	85

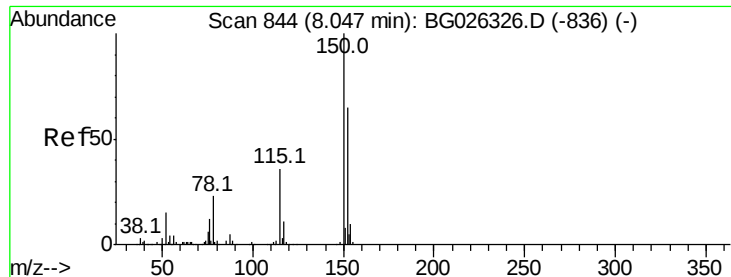
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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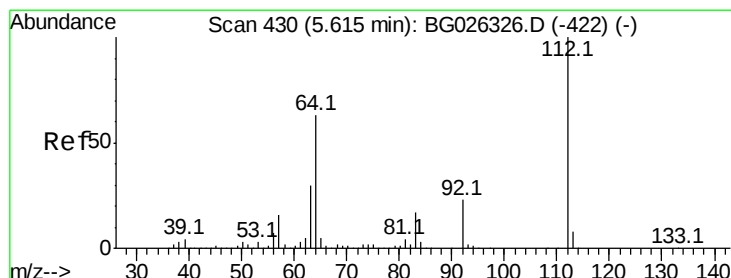
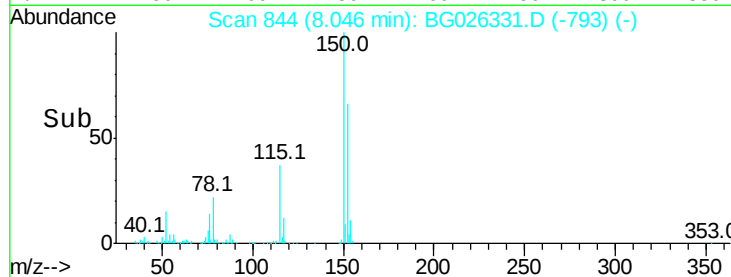
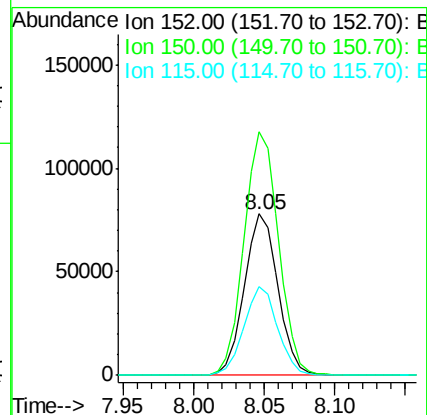
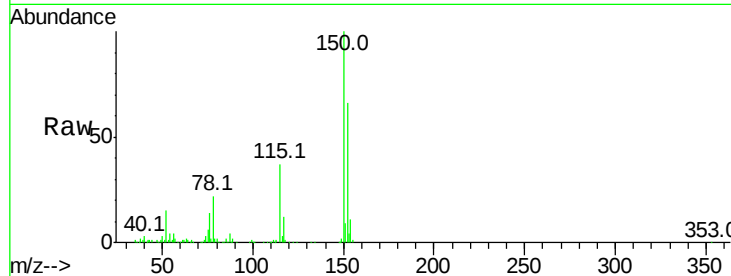


#1

1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 8.05 min Scan# 844
Delta R.T. -0.00 min
Lab File: BG026331.D
Acq: 20 Mar 2017 17:47

Instrument :
BNA_G
ClientSampleId :
PT-ACIDS-WP

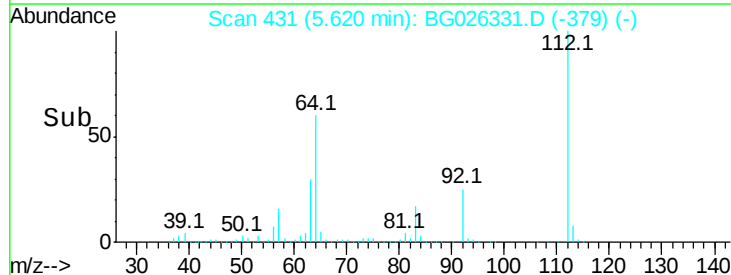
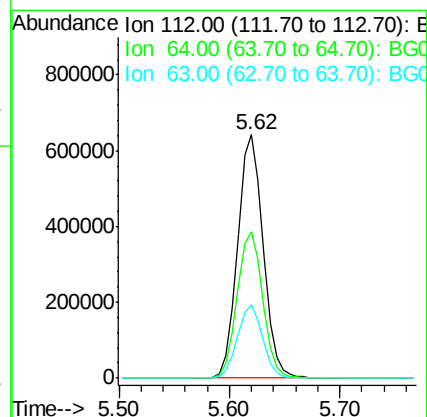
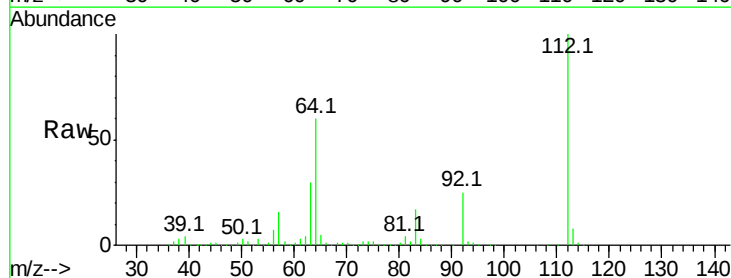
Tot Ion	Ratio	Lower	Upper
152	100		
150	150.7	114.0	171.0
115	55.2	48.1	72.1

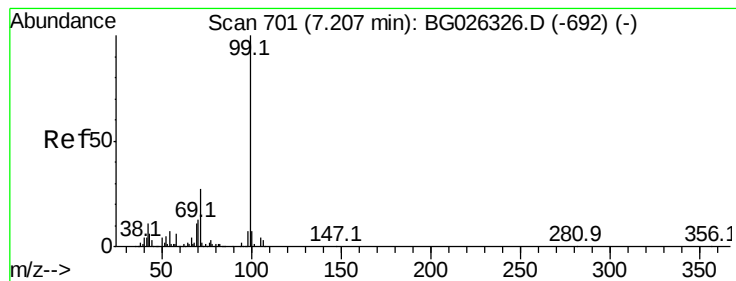


#5

2-Fluorophenol
Concen: 143.02 ng
RT: 5.62 min Scan# 431
Delta R.T. 0.00 min
Lab File: BG026331.D
Acq: 20 Mar 2017 17:47

Tgt Ion	Ratio	Lower	Upper
112	100		
64	60.3	61.8	92.6#
63	30.2	37.2	55.8#





#7

Phenol-d6

Concen: 144.21 ng

RT: 7.21 min Scan# 702

Delta R.T. 0.00 min

Lab File: BG026331.D

Acq: 20 Mar 2017 17:47

Instrument :

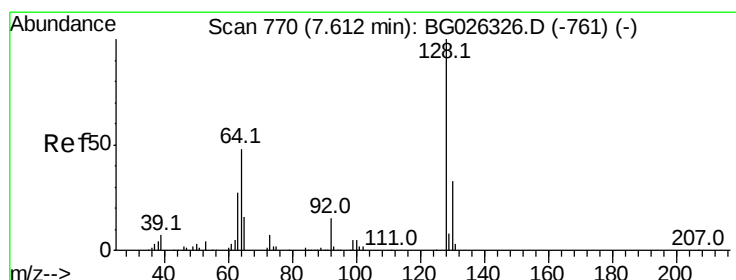
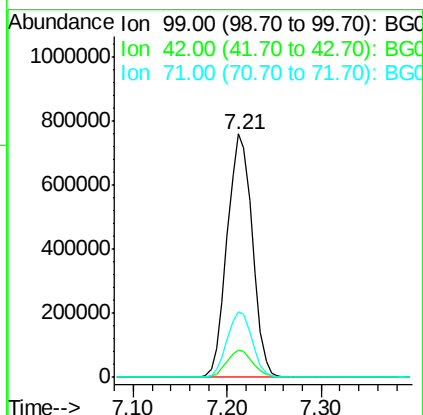
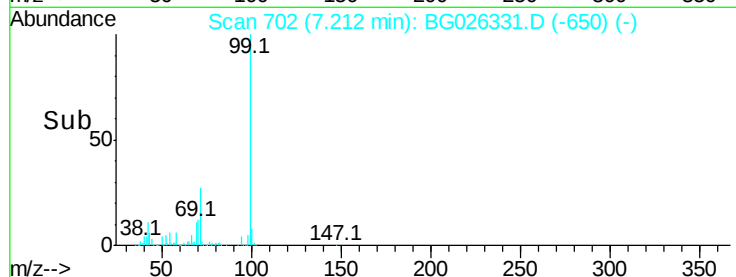
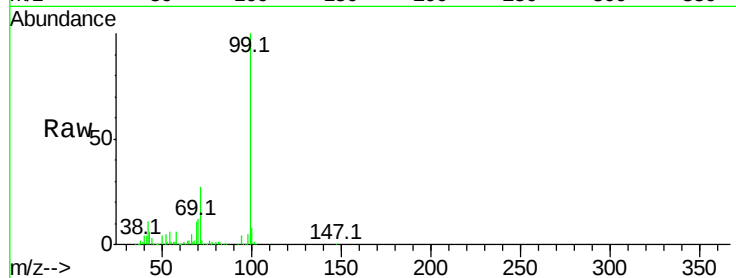
BNA_G

ClientSampleId :

PT-ACIDS-WP

Tot Ion: 99 Resp: 1414244

Ion	Ratio	Lower	Upper
99	100		
42	11.3	20.5	30.7#
71	26.9	37.6	56.4#



#8

2-Chlorophenol

Concen: 155.94 ng

RT: 7.62 min Scan# 771

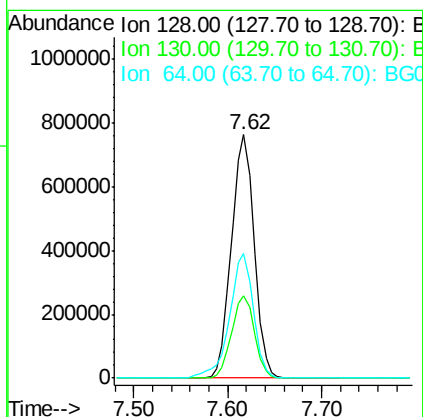
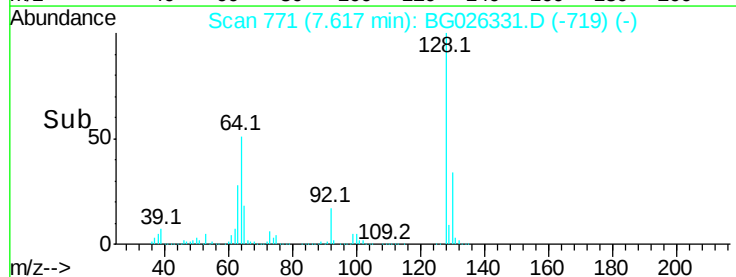
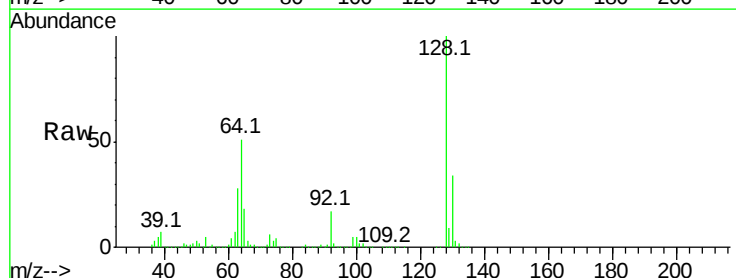
Delta R.T. 0.00 min

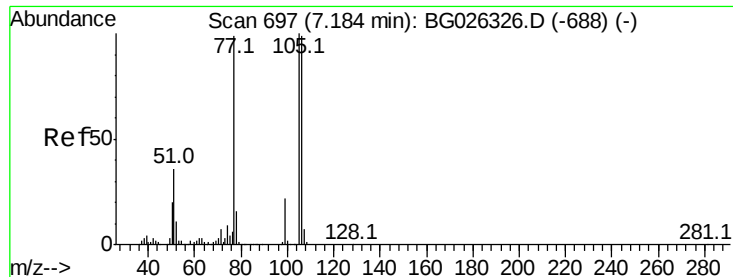
Lab File: BG026331.D

Acq: 20 Mar 2017 17:47

Tgt Ion:128 Resp: 1282674

Ion	Ratio	Lower	Upper
128	100		
130	33.7	11.4	51.4
64	51.4	46.6	86.6





#9

Benzaldehyde

Concen: 2.12 ng

RT: 7.24 min Scan# 707

Delta R.T. 0.06 min

Lab File: BG026331.D

Acq: 20 Mar 2017 17:47

Instrument :

BNA_G

ClientSampleId :

PT-ACIDS-WP

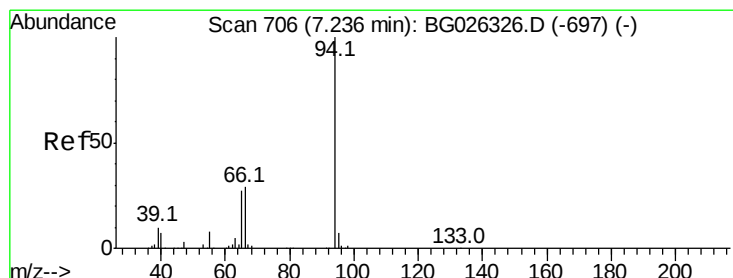
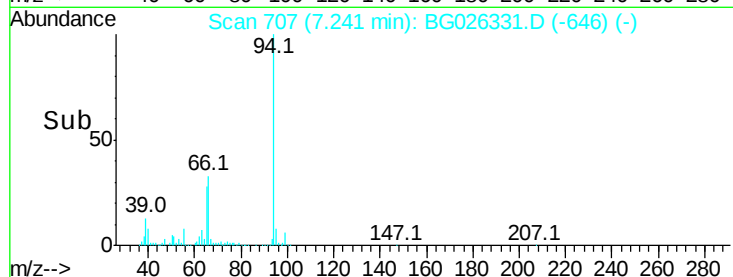
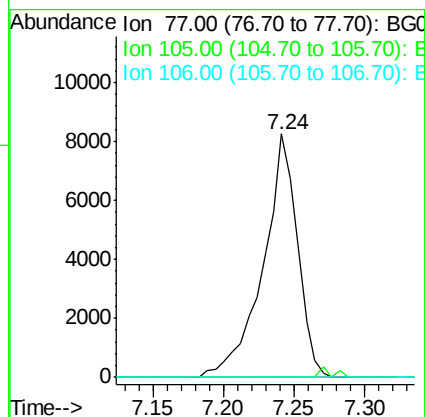
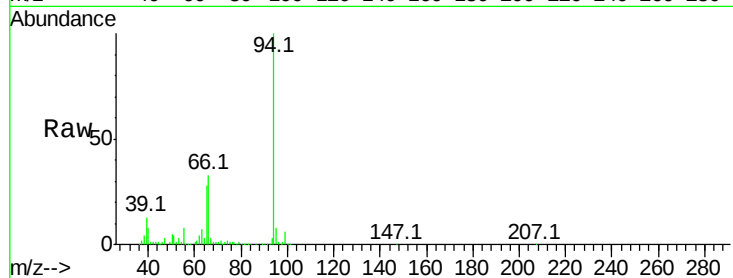
Tot Ion: 77 Resp: 14061

Ion Ratio Lower Upper

77 100

105 0.0 60.9 100.9#

106 0.0 55.1 95.1#



#10

Phenol

Concen: 128.50 ng

RT: 7.24 min Scan# 707

Delta R.T. 0.00 min

Lab File: BG026331.D

Acq: 20 Mar 2017 17:47

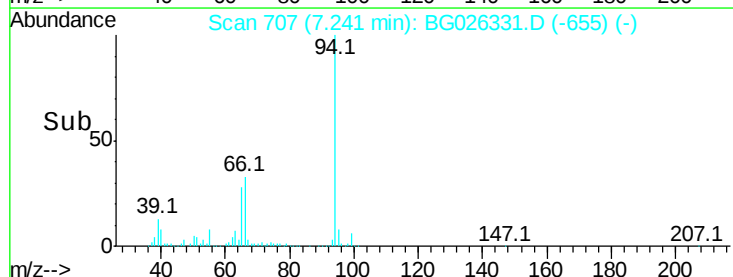
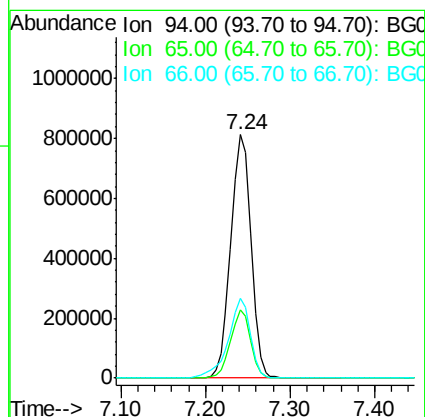
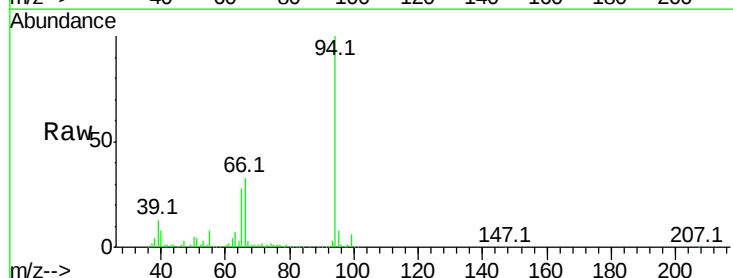
Tgt Ion: 94 Resp: 1344747

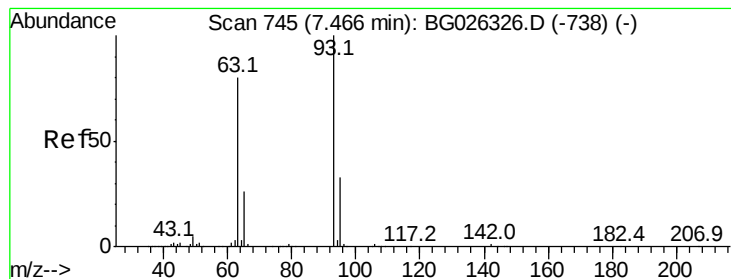
Ion Ratio Lower Upper

94 100

65 27.9 20.6 60.6

66 32.8 35.5 75.5#





#11

bis(2-Chloroethyl)ether

Concen: 3.39 ng

RT: 7.62 min Scan# 771

Delta R.T. 0.15 min

Lab File: BG026331.D

Acq: 20 Mar 2017 17:47

Instrument :

BNA_G

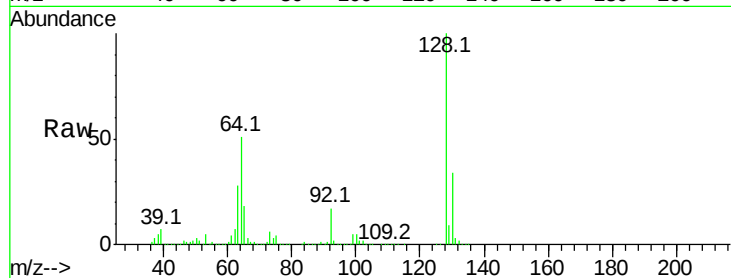
ClientSampleId :

PT-ACIDS-WP

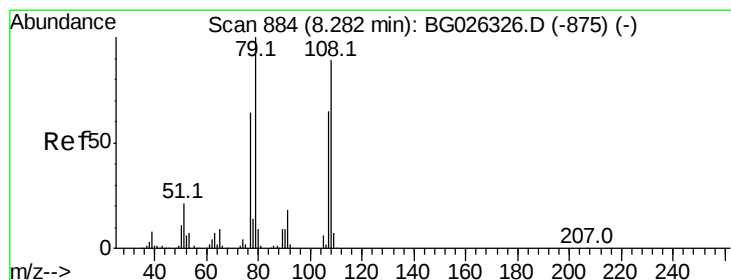
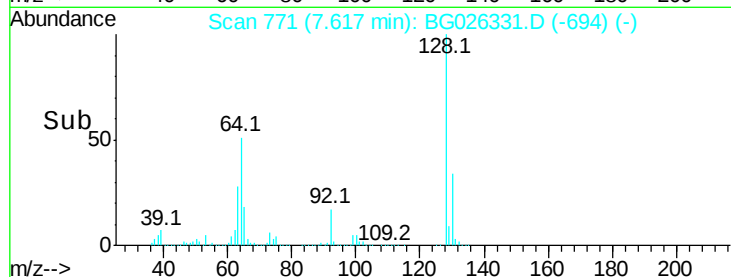
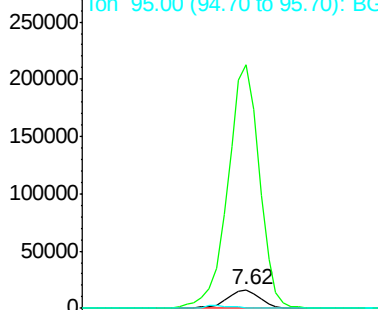
Tot Ion: 93 Resp: 29086

Ion Ratio Lower Upper

93	100		
63	1306.0	78.5	118.5#
95	3.7	9.8	49.8#



Abundance Ion 93.00 (92.70 to 93.70): BGC
Ion 63.00 (62.70 to 63.70): BGC
Ion 95.00 (94.70 to 95.70): BGC



#15

Benzyl Alcohol

Concen: 63.81 ng

RT: 8.49 min Scan# 919

Delta R.T. 0.20 min

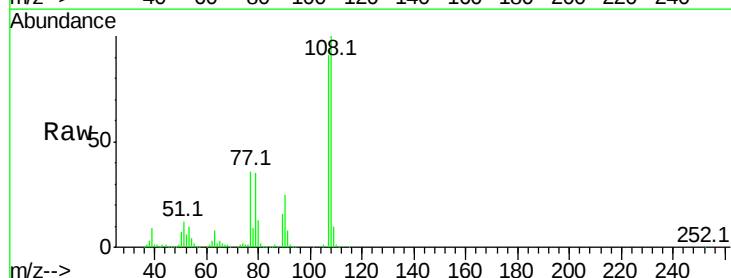
Lab File: BG026331.D

Acq: 20 Mar 2017 17:47

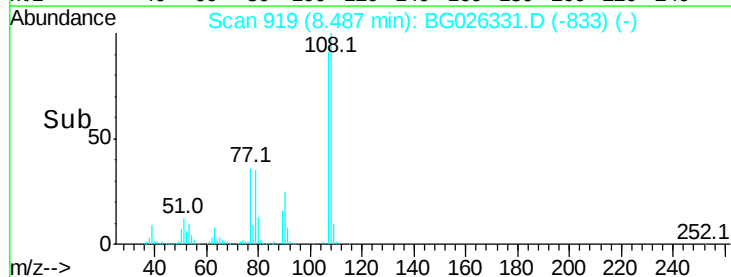
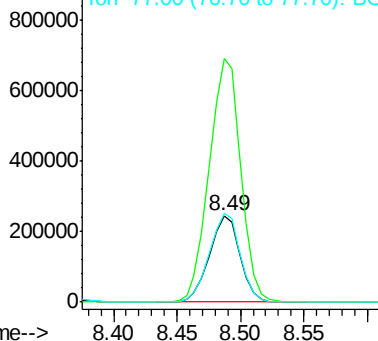
Tgt Ion: 79 Resp: 410284

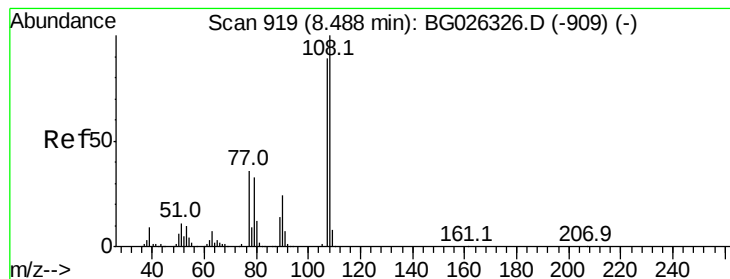
Ion Ratio Lower Upper

79	100		
108	281.8	45.5	68.3#
77	102.2	54.3	81.5#



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





#17

2-Methylphenol

Concen: 144.89 ng

RT: 8.49 min Scan# 919

Delta R.T. -0.00 min

Lab File: BG026331.D

Acq: 20 Mar 2017 17:47

Instrument :

BNA_G

ClientSampleId :

PT-ACIDS-WP

Tot Ion:107 Resp: 1076824

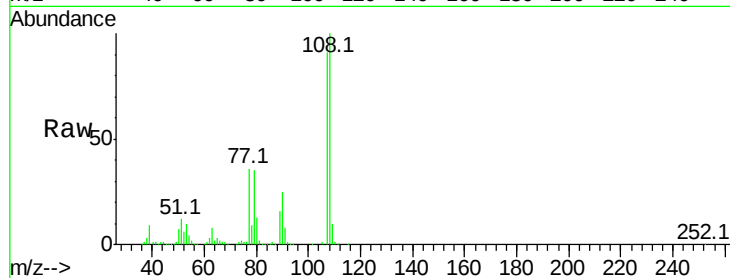
Ion Ratio Lower Upper

107 100

108 109.8 85.6 128.4

77 39.8 51.4 77.2#

79 39.0 49.2 73.8#

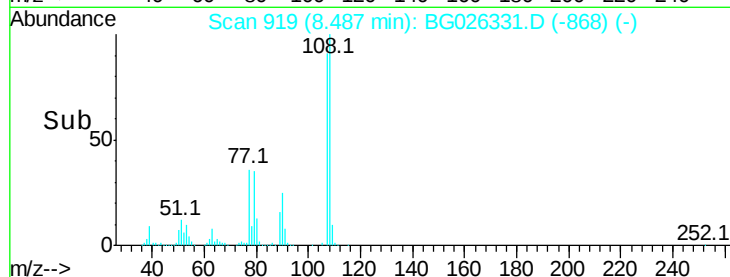


Abundance Ion 107.00 (106.70 to 107.70): E

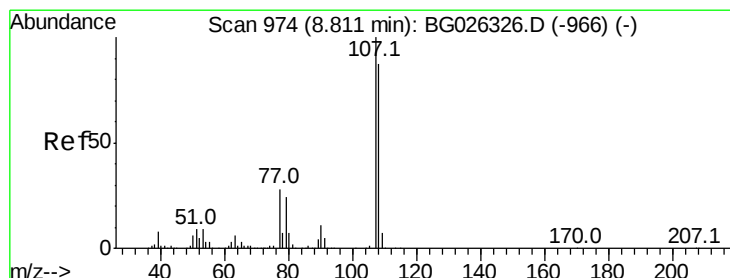
Ion 108.00 (107.70 to 108.70): E

Ion 77.00 (76.70 to 77.70): BG

Ion 79.00 (78.70 to 79.70): BG



Time-->



#20

3+4-Methylphenols

Concen: 98.17 ng

RT: 8.81 min Scan# 974

Delta R.T. -0.00 min

Lab File: BG026331.D

Acq: 20 Mar 2017 17:47

Tgt Ion:107 Resp: 1004512

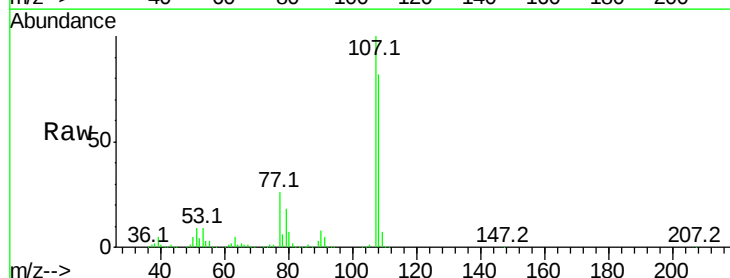
Ion Ratio Lower Upper

107 100

108 81.7 70.8 110.8

77 25.9 25.8 65.8

79 18.2 20.1 60.1#

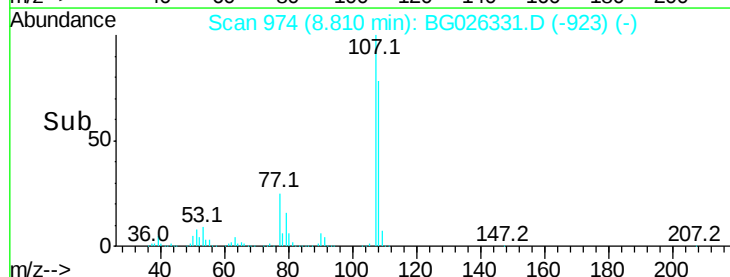


Abundance Ion 107.00 (106.70 to 107.70): E

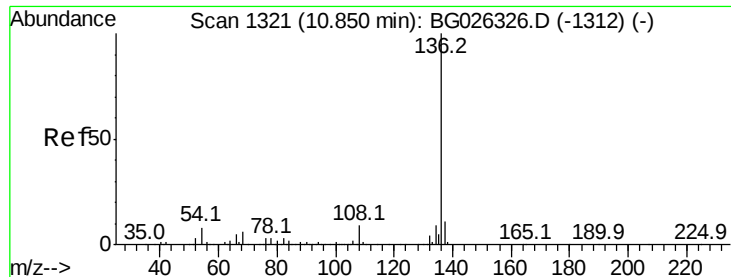
Ion 108.00 (107.70 to 108.70): E

Ion 77.00 (76.70 to 77.70): BG

Ion 79.00 (78.70 to 79.70): BG



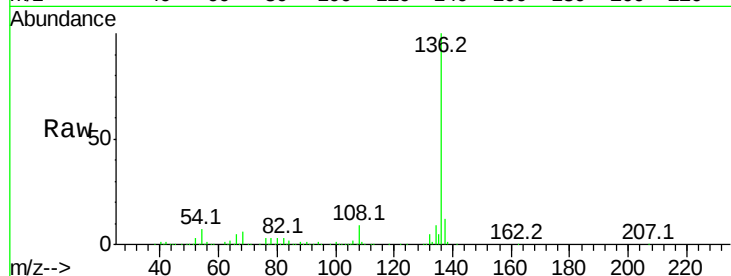
Time-->



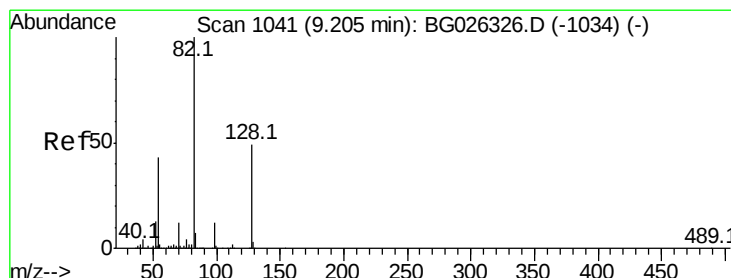
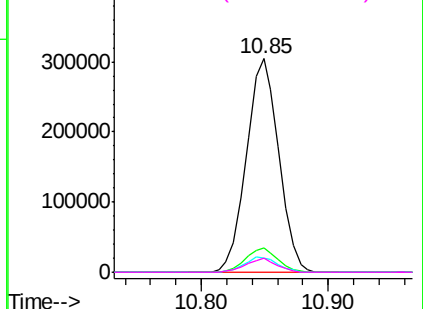
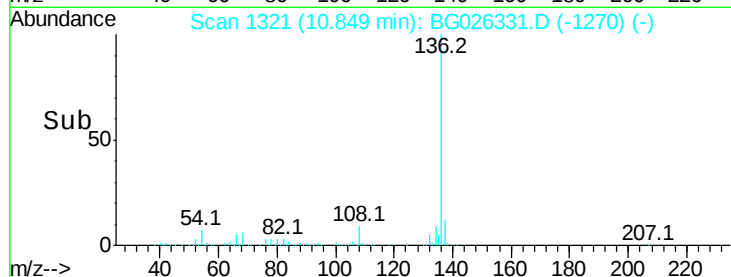
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 10.85 min Scan# 1321
Delta R.T. -0.00 min
Lab File: BG026331.D
Acq: 20 Mar 2017 17:47

Instrument :
BNA_G
ClientSampleId :
PT-ACIDS-WP

Tot Ion:136	Resp: 538689
Ion Ratio	Lower Upper
136 100	
137 11.6	8.9 13.3
54 6.9	9.3 13.9#
68 6.3	5.1 7.7

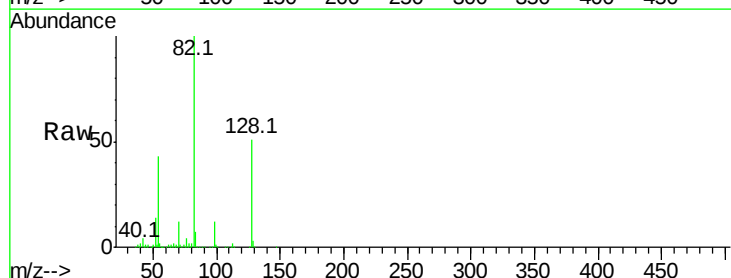


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

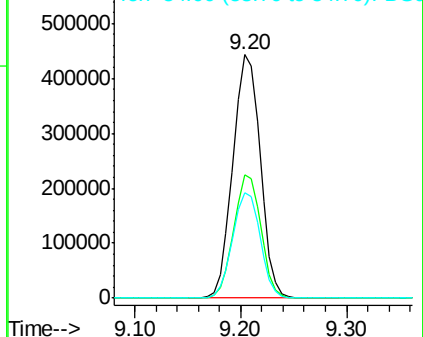
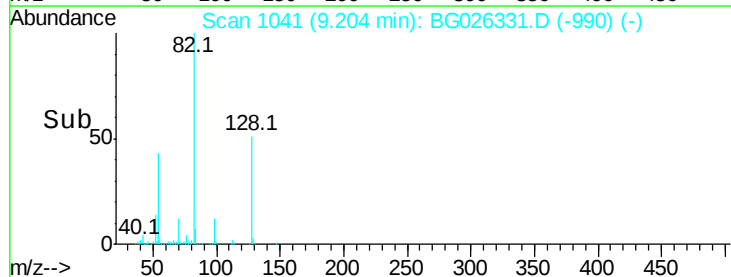


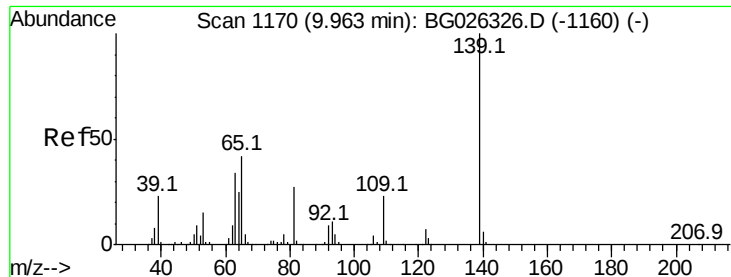
#23
Nitrobenzene-d5
Concen: 88.61 ng
RT: 9.20 min Scan# 1041
Delta R.T. -0.00 min
Lab File: BG026331.D
Acq: 20 Mar 2017 17:47

Tgt	Ion: 82	Resp:	793874
Ion	Ratio	Lower	Upper
82	100		
128	50.8	26.4	39.6#
54	43.4	49.4	74.2#



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

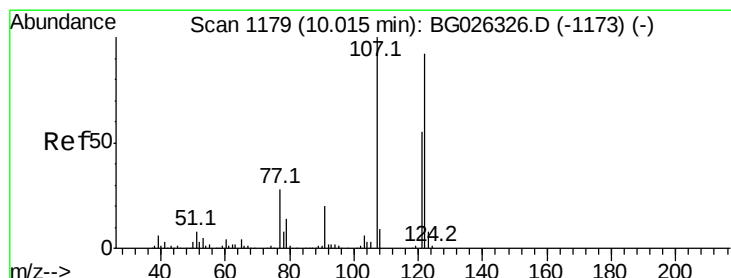
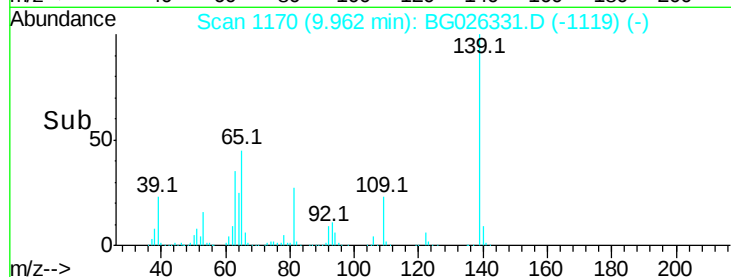
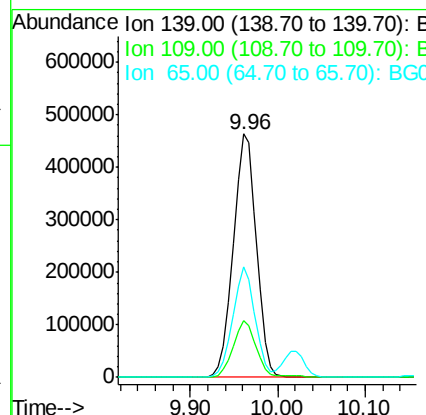
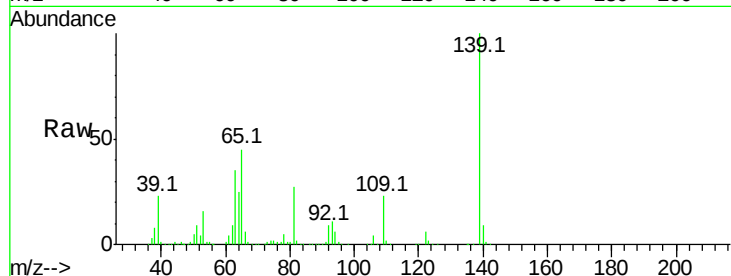




#26
2-Nitrophenol
Concen: 180.52 ng
RT: 9.96 min Scan# 1170
Delta R.T. -0.00 min
Lab File: BG026331.D
Acq: 20 Mar 2017 17:47

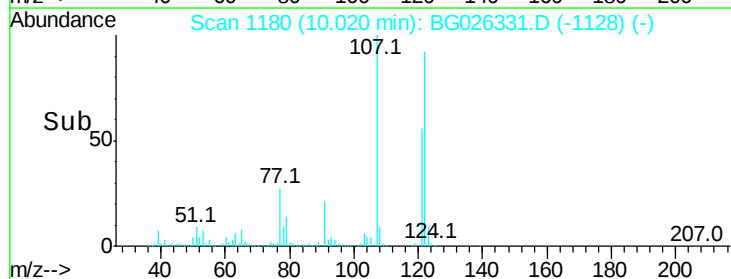
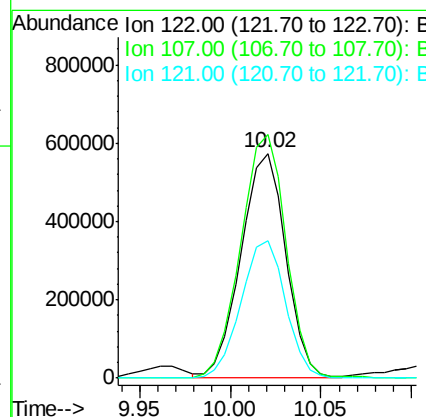
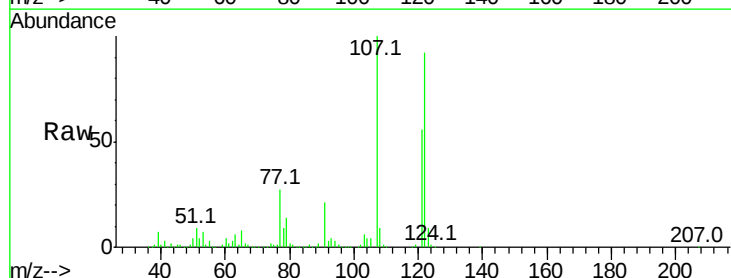
Instrument :
BNA_G
ClientSampleId :
PT-ACIDS-WP

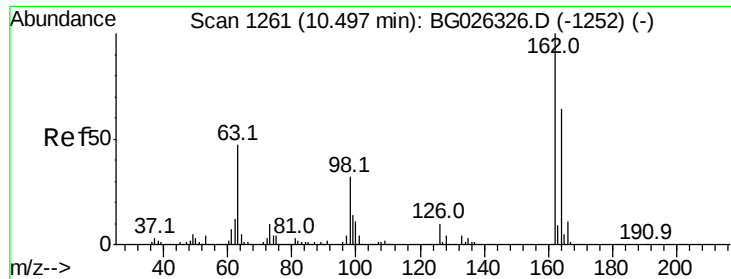
Tot Ion	Ratio	Lower	Upper
139	100		
109	23.4	38.6	58.0#
65	45.5	57.1	85.7#



#27
2,4-Dimethylphenol
Concen: 130.66 ng
RT: 10.02 min Scan# 1180
Delta R.T. 0.00 min
Lab File: BG026331.D
Acq: 20 Mar 2017 17:47

Tgt Ion	Ratio	Lower	Upper
122	100		
107	108.3	104.2	156.4
121	61.1	46.0	69.0

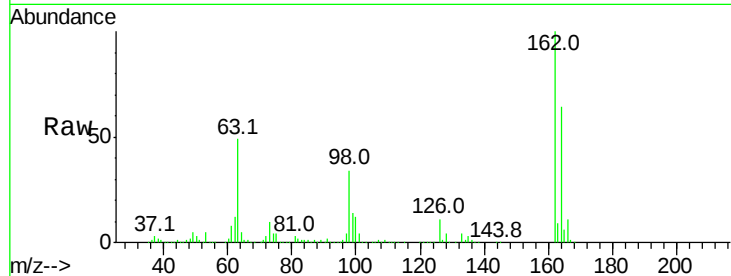




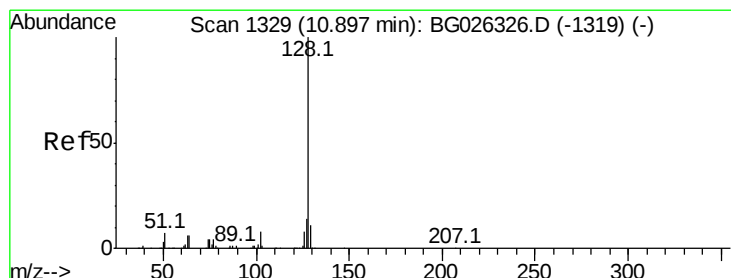
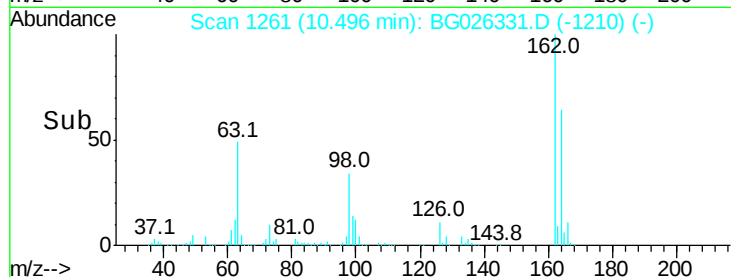
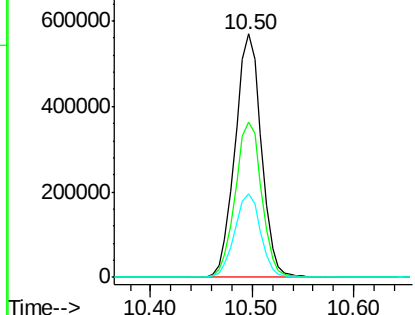
#29
2,4-Dichlorophenol
Concen: 133.73 ng
RT: 10.50 min Scan# 1261
Delta R.T. -0.00 min
Lab File: BG026331.D
Acq: 20 Mar 2017 17:47

Instrument :
BNA_G
ClientSampleId :
PT-ACIDS-WP

Tot Ion:162 Resp: 1021780
Ion Ratio Lower Upper
162 100
164 64.0 42.4 82.4
98 34.1 20.3 60.3

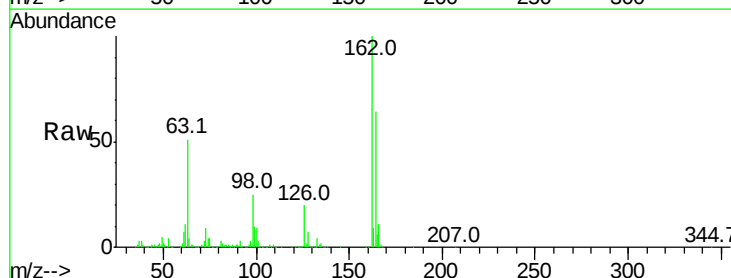


Abundance Ion 162.00 (161.70 to 162.70): E
Ion 164.00 (163.70 to 164.70): E
Ion 98.00 (97.70 to 98.70): B

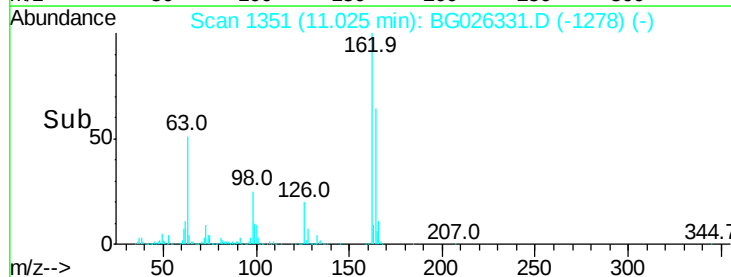
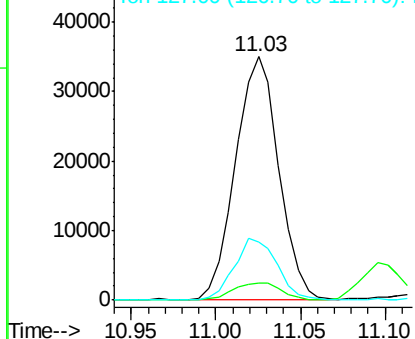


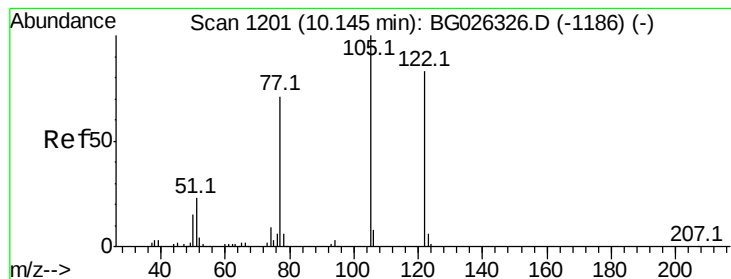
#31
Naphthalene
Concen: 2.29 ng
RT: 11.03 min Scan# 1351
Delta R.T. 0.13 min
Lab File: BG026331.D
Acq: 20 Mar 2017 17:47

Tgt Ion:128 Resp: 62320
Ion Ratio Lower Upper
128 100
129 6.8 9.3 13.9#
127 23.8 11.4 17.0#



Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E





#32

Benzoic acid

Concen: 92.67 ng

RT: 10.20 min Scan# 1210

Delta R.T. 0.05 min

Lab File: BG026331.D

Acq: 20 Mar 2017 17:47

Instrument :

BNA_G

ClientSampleId :

PT-ACIDS-WP

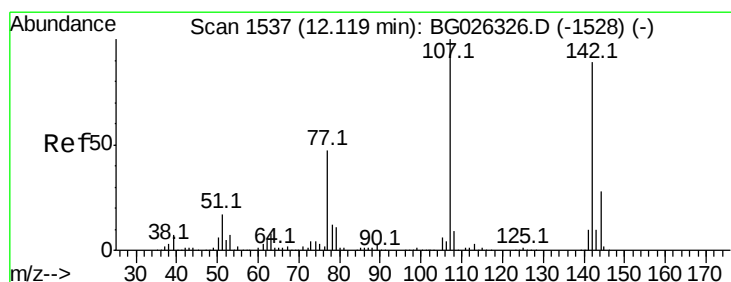
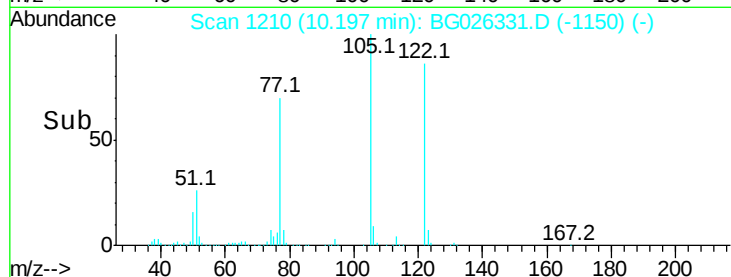
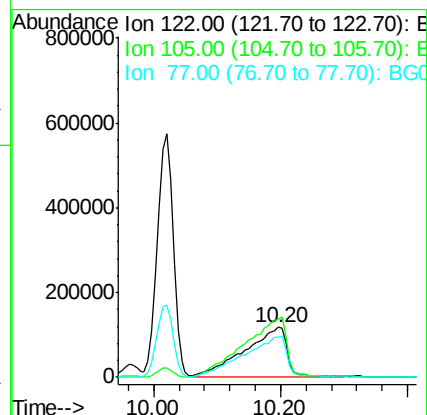
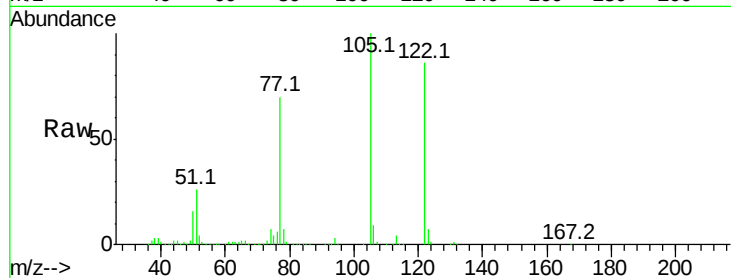
Tot Ion:122 Resp: 538742

Ion Ratio Lower Upper

122 100

105 116.2 120.1 160.1#

77 81.1 104.6 144.6#



#36

4-Chloro-3-methylphenol

Concen: 37.91 ng

RT: 12.11 min Scan# 1536

Delta R.T. -0.01 min

Lab File: BG026331.D

Acq: 20 Mar 2017 17:47

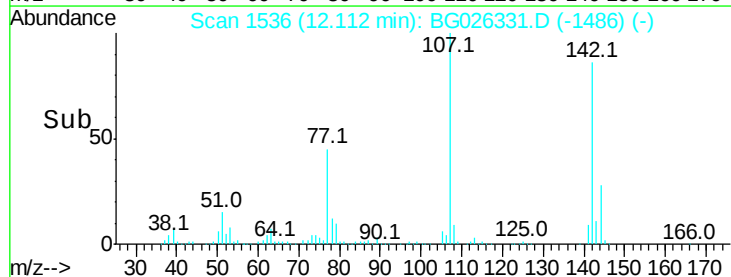
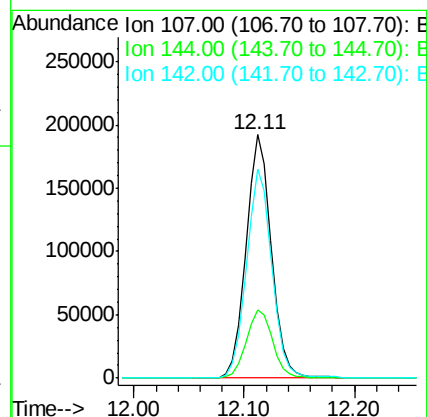
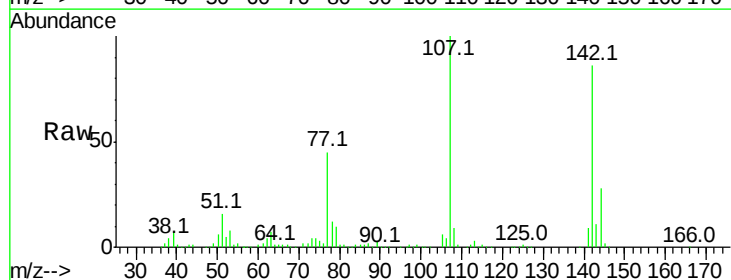
Tgt Ion:107 Resp: 309819

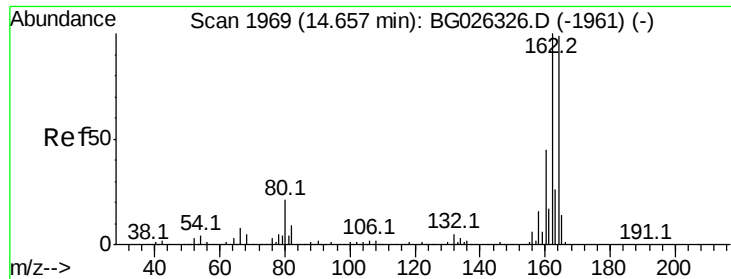
Ion Ratio Lower Upper

107 100

144 28.1 17.4 26.0#

142 85.7 54.1 81.1#





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 14.66 min Scan# 1969

Delta R.T. -0.00 min

Lab File: BG026331.D

Acq: 20 Mar 2017 17:47

Instrument :

BNA_G

ClientSampleId :

PT-ACIDS-WP

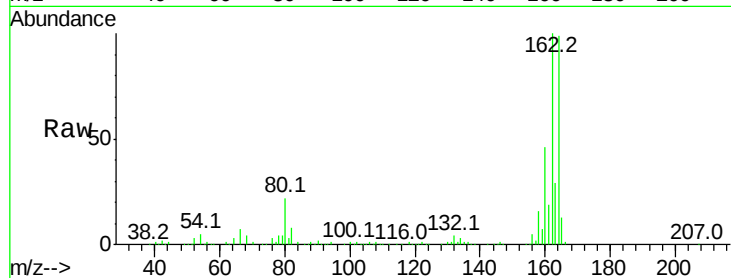
Tot Ion:164 Resp: 309483

Ion Ratio Lower Upper

164 100

162 100.7 85.1 127.7

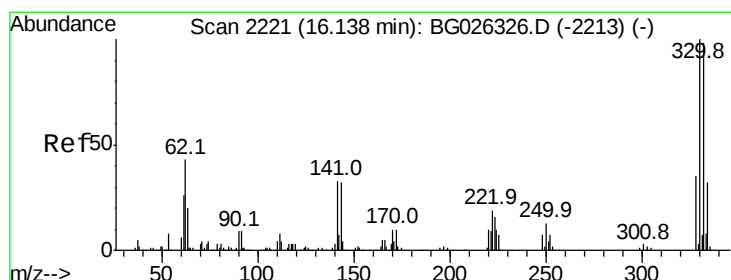
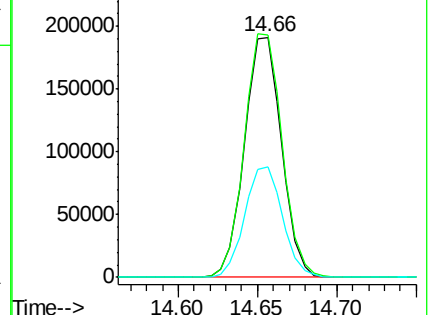
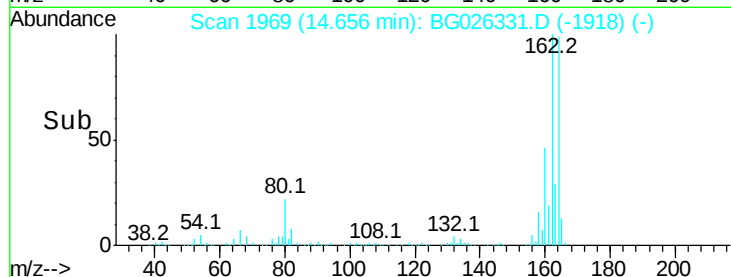
160 46.2 34.7 52.1



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: 145.51 ng

RT: 16.14 min Scan# 2221

Delta R.T. -0.00 min

Lab File: BG026331.D

Acq: 20 Mar 2017 17:47

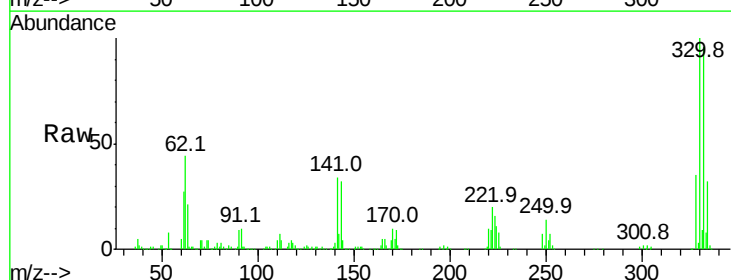
Tgt Ion:330 Resp: 515717

Ion Ratio Lower Upper

330 100

332 97.7 77.3 115.9

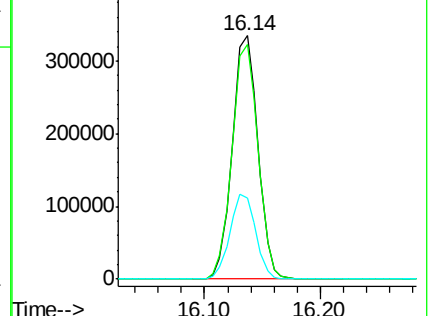
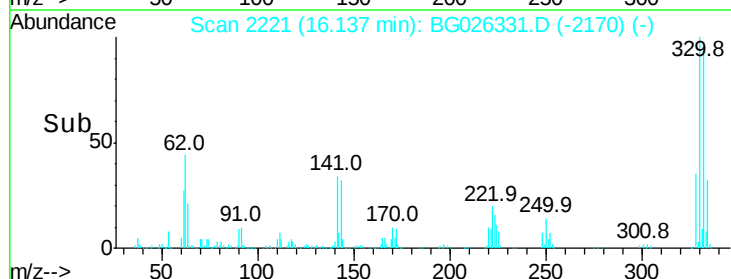
141 35.0 32.1 48.1

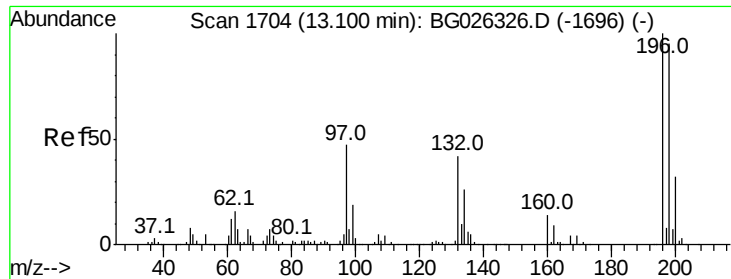


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

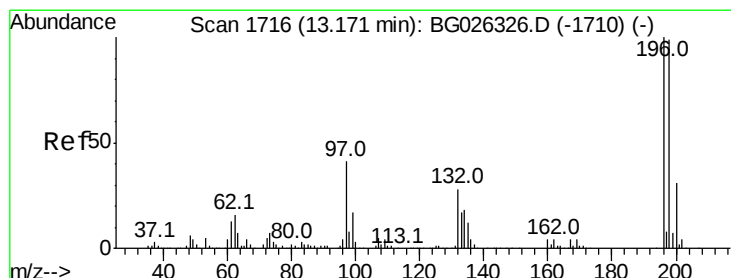
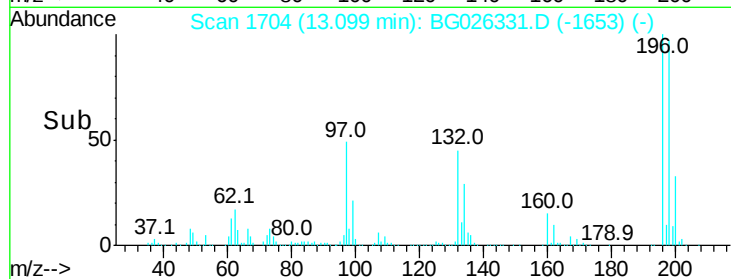
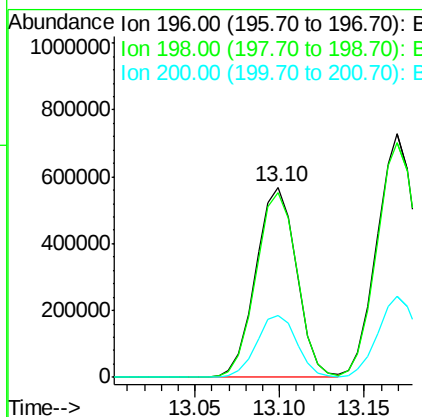
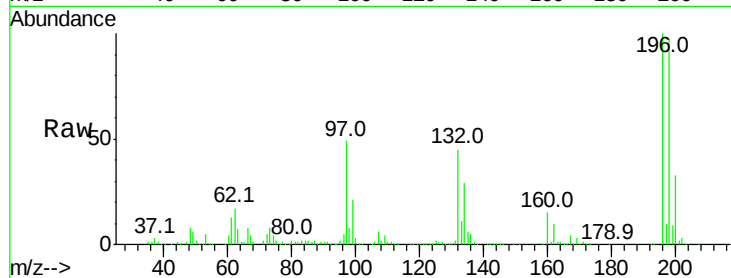




#42
 2,4,6-Trichlorophenol
 Concen: 156.39 ng
 RT: 13.10 min Scan# 1704
 Delta R.T. -0.00 min
 Lab File: BG026331.D
 Acq: 20 Mar 2017 17:47

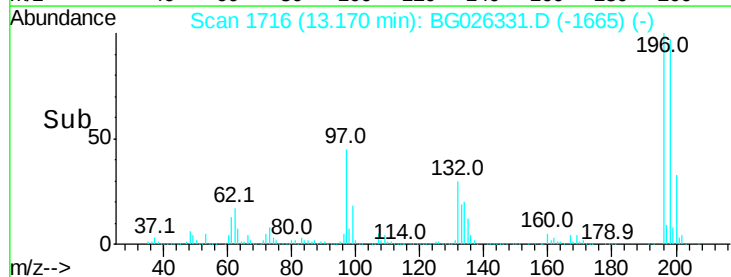
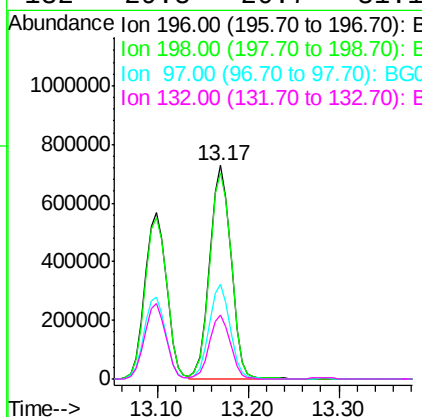
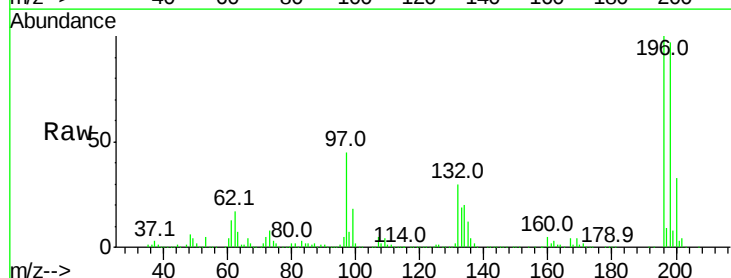
Instrument :
 BNA_G
 ClientSampleId :
 PT-ACIDS-WP

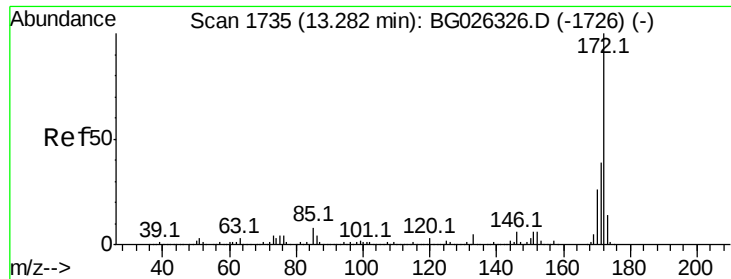
Tot Ion:196 Resp: 953484
 Ion Ratio Lower Upper
 196 100
 198 96.8 81.4 122.2
 200 32.8 27.0 40.6



#43
 2,4,5-Trichlorophenol
 Concen: 177.04 ng
 RT: 13.17 min Scan# 1716
 Delta R.T. -0.00 min
 Lab File: BG026331.D
 Acq: 20 Mar 2017 17:47

Tgt Ion:196 Resp: 1193063
 Ion Ratio Lower Upper
 196 100
 198 96.6 79.9 119.9
 97 44.5 45.4 68.0#
 132 29.8 20.7 31.1

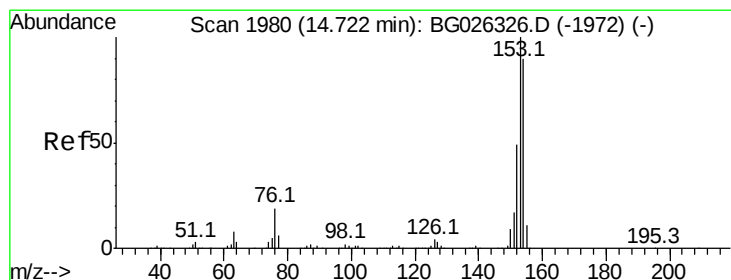
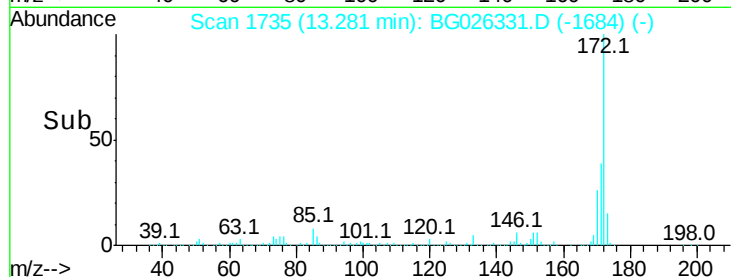
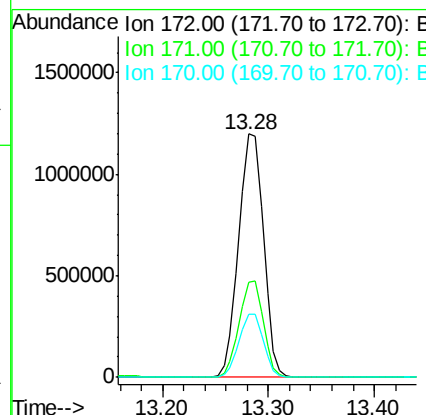
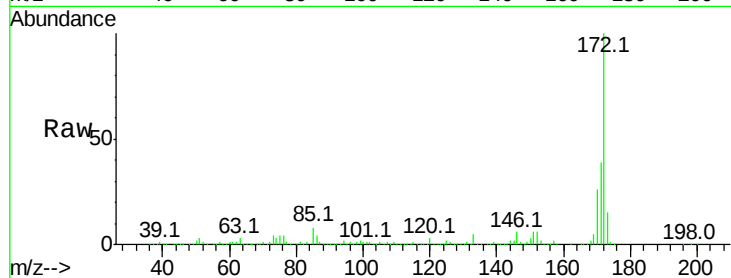




#44
2-Fluorobiphenyl
Concen: 88.12 ng
RT: 13.28 min Scan# 1735
Delta R.T. -0.00 min
Lab File: BG026331.D
Acq: 20 Mar 2017 17:47

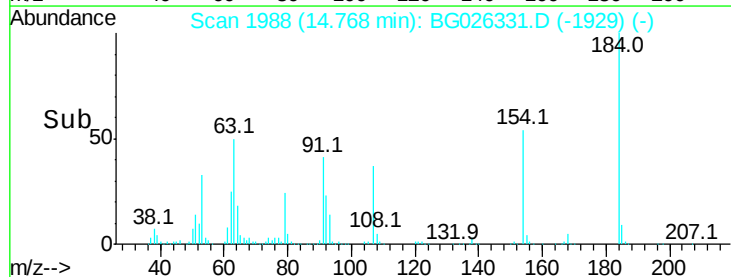
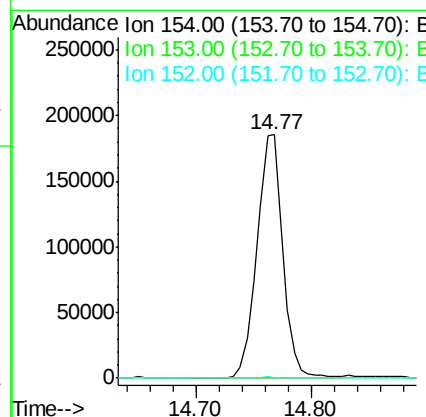
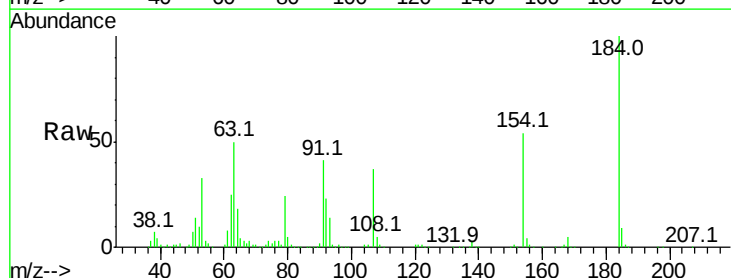
Instrument :
BNA_G
ClientSampleId :
PT-ACIDS-WP

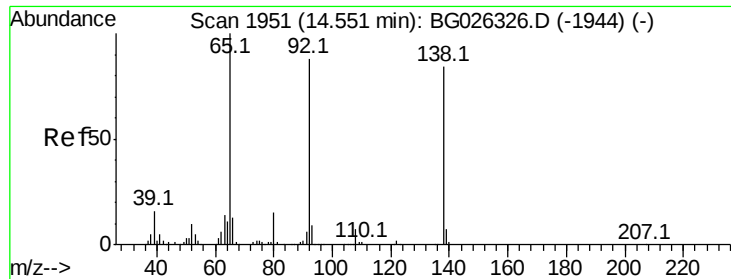
Tot Ion:172 Resp: 1944681
Ion Ratio Lower Upper
172 100
171 39.3 32.2 48.2
170 26.2 21.8 32.6



#51
Acenaphthene
Concen: 14.45 ng
RT: 14.77 min Scan# 1988
Delta R.T. 0.05 min
Lab File: BG026331.D
Acq: 20 Mar 2017 17:47

Tgt Ion:154 Resp: 290287
Ion Ratio Lower Upper
154 100
153 0.0 87.8 131.6#
152 0.4 42.2 63.4#

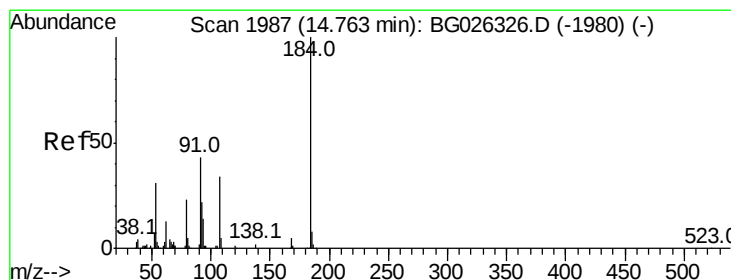
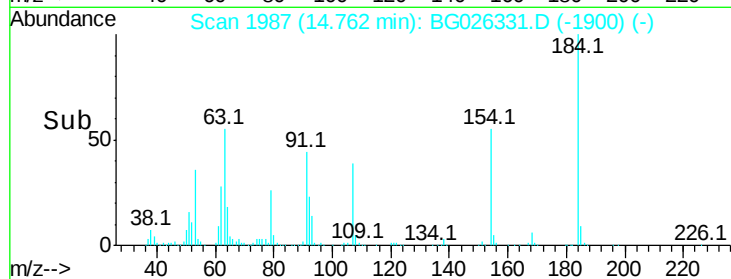
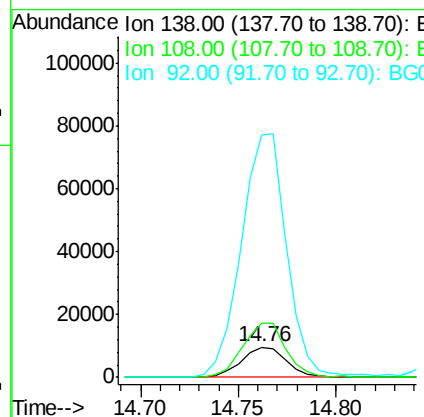
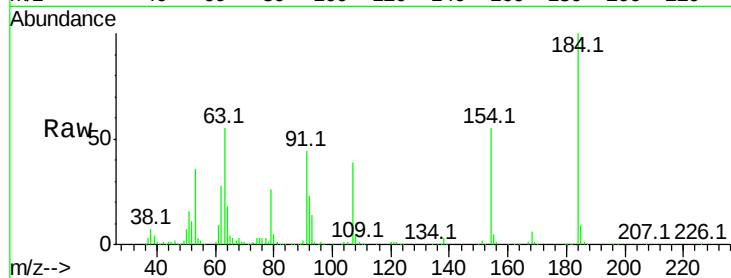




#52
3-Nitroaniline
Concen: 2.55 ng
RT: 14.76 min Scan# 1987
Delta R.T. 0.21 min
Lab File: BG026331.D
Acq: 20 Mar 2017 17:47

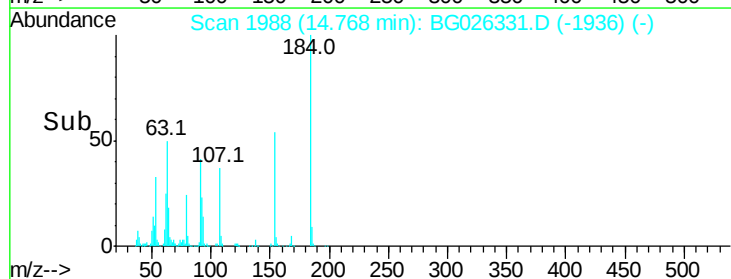
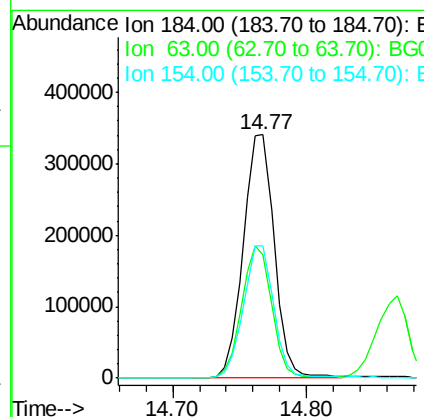
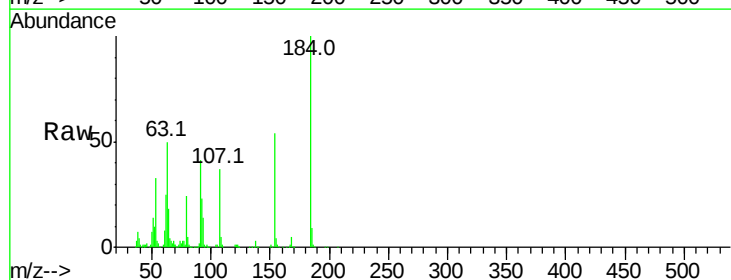
Instrument :
BNA_G
ClientSampleId :
PT-ACIDS-WP

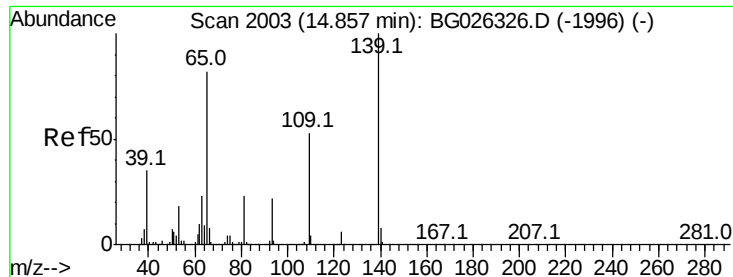
Tot Ion:138 Resp: 15306
Ion Ratio Lower Upper
138 100
108 181.4 10.9 16.3#
92 803.9 115.3 172.9#



#53
2,4-Dinitrophenol
Concen: 172.88 ng
RT: 14.77 min Scan# 1988
Delta R.T. 0.00 min
Lab File: BG026331.D
Acq: 20 Mar 2017 17:47

Tgt Ion:184 Resp: 546753
Ion Ratio Lower Upper
184 100
63 50.4 52.7 79.1#
154 54.4 57.3 85.9#





#55

4-Nitrophenol

Concen: 168.72 ng

RT: 14.87 min Scan# 2005

Delta R.T. 0.01 min

Lab File: BG026331.D

Acq: 20 Mar 2017 17:47

Instrument :

BNA_G

ClientSampleId :

PT-ACIDS-WP

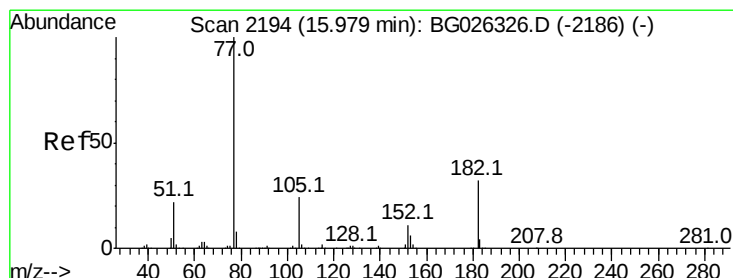
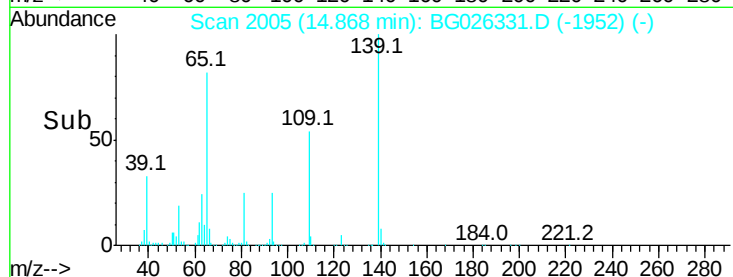
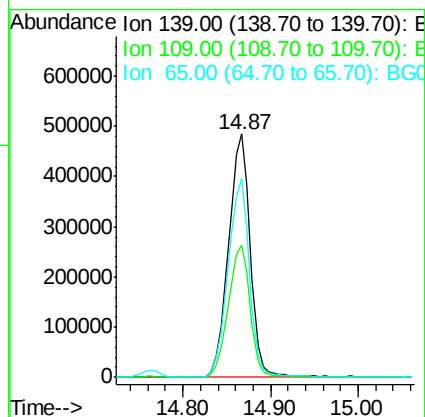
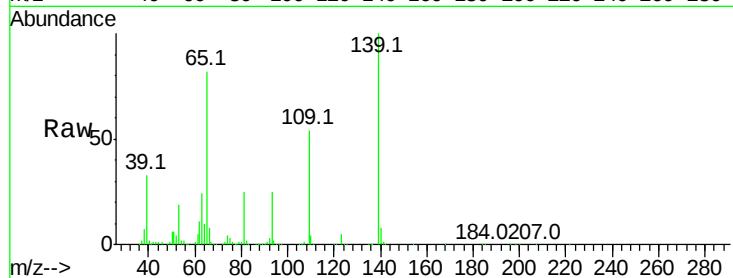
Tot Ion:139 Resp: 829360

Ion Ratio Lower Upper

139 100

109 54.4 101.2 141.2#

65 81.9 135.3 175.3#



#62

Azobenzene

Concen: 5.96 ng

RT: 15.77 min Scan# 2159

Delta R.T. -0.21 min

Lab File: BG026331.D

Acq: 20 Mar 2017 17:47

Tgt Ion: 77 Resp: 115738

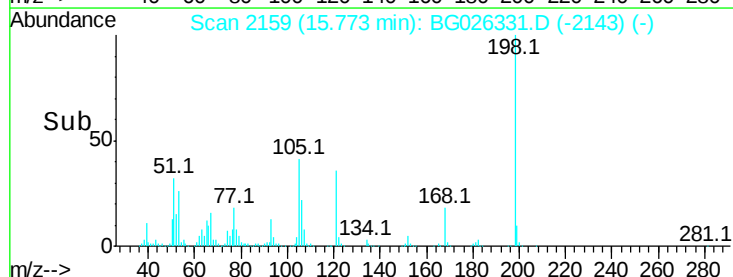
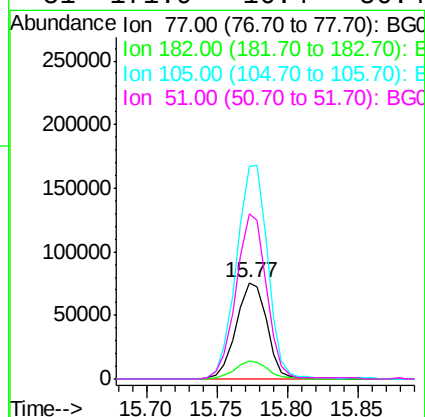
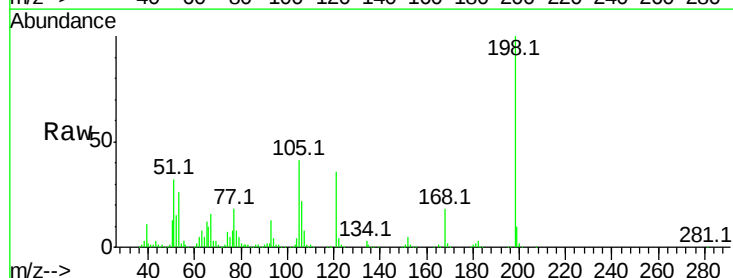
Ion Ratio Lower Upper

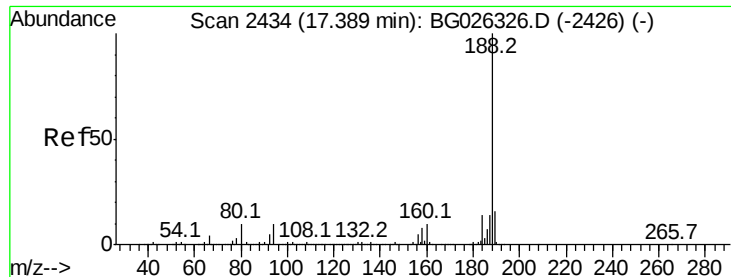
77 100

182 18.8 4.7 44.7

105 222.0 0.0 36.3#

51 171.9 16.4 56.4#

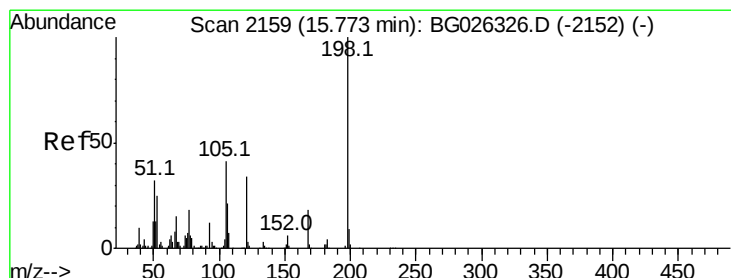
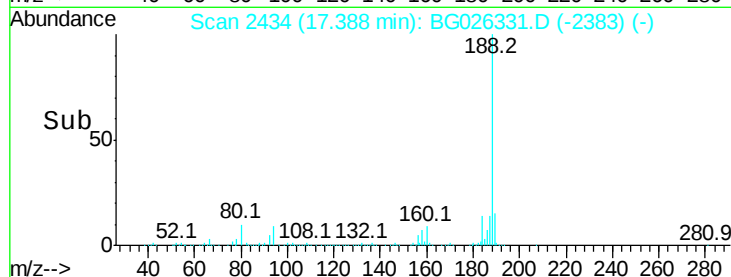
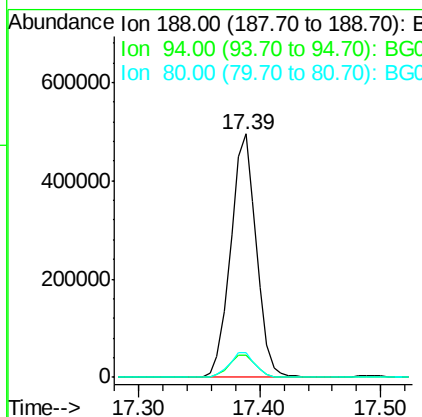
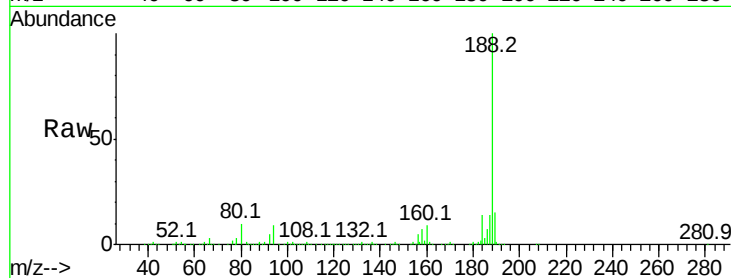




#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 17.39 min Scan# 2434
 Delta R.T. -0.00 min
 Lab File: BG026331.D
 Acq: 20 Mar 2017 17:47

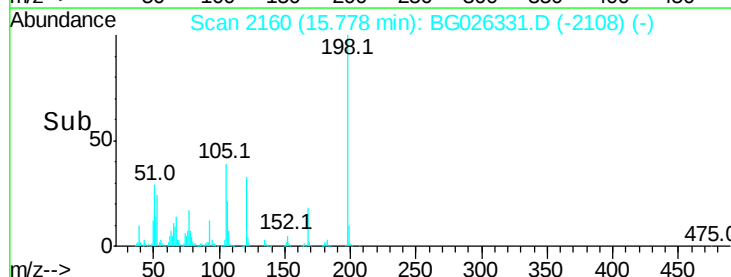
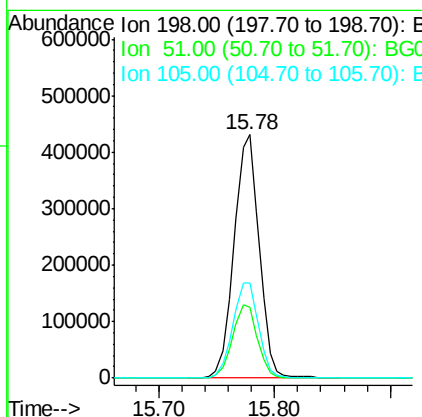
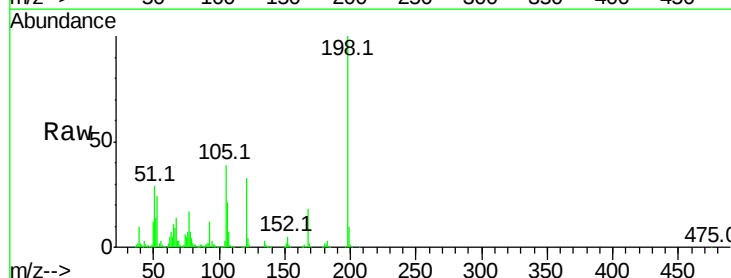
Instrument :
 BNA_G
 ClientSampleId :
 PT-ACIDS-WP

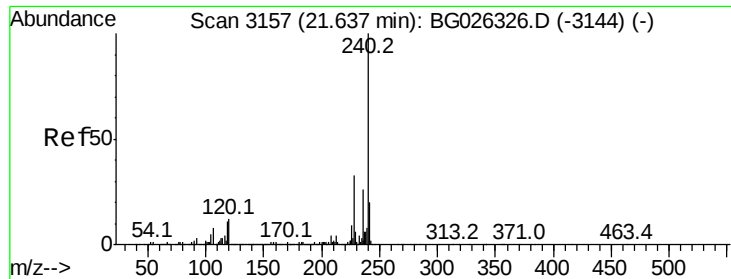
Tot Ion:188 Resp: 729584
 Ion Ratio Lower Upper
 188 100
 94 9.3 5.8 8.8#
 80 10.2 7.5 11.3



#64
 4,6-Dinitro-2-methylphenol
 Concen: 140.72 ng
 RT: 15.78 min Scan# 2160
 Delta R.T. 0.00 min
 Lab File: BG026331.D
 Acq: 20 Mar 2017 17:47

Tgt Ion:198 Resp: 647293
 Ion Ratio Lower Upper
 198 100
 51 28.9 22.6 62.6
 105 39.0 14.4 54.4





#75

Chrysene-d12

Concen: 20.00 ng

RT: 21.63 min Scan# 3156

Delta R.T. -0.01 min

Lab File: BG026331.D

Acq: 20 Mar 2017 17:47

Instrument :

BNA_G

ClientSampleId :

PT-ACIDS-WP

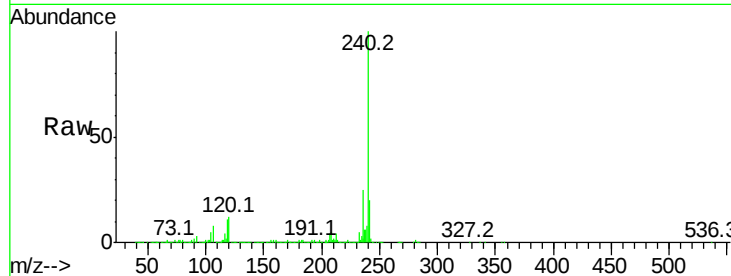
Tot Ion:240 Resp: 856619

Ion Ratio Lower Upper

240 100

120 11.9 5.7 8.5#

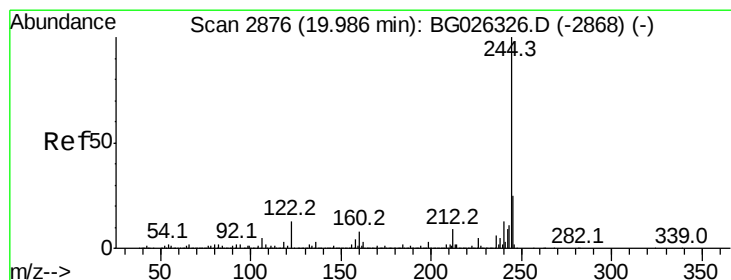
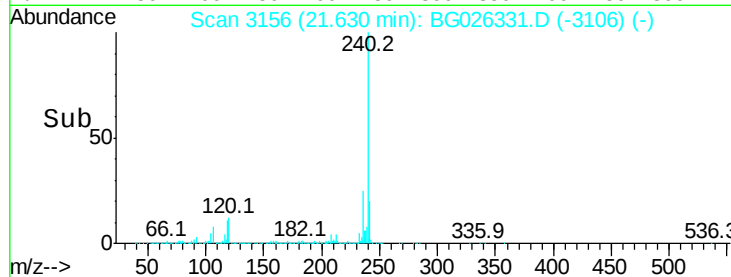
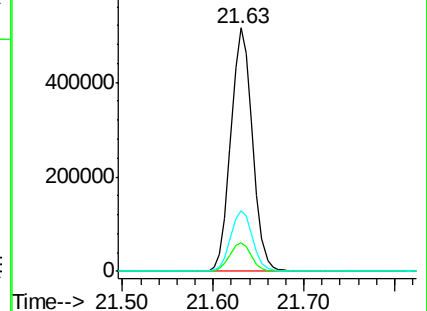
236 24.9 22.2 33.4



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: 76.68 ng

RT: 19.99 min Scan# 2876

Delta R.T. -0.00 min

Lab File: BG026331.D

Acq: 20 Mar 2017 17:47

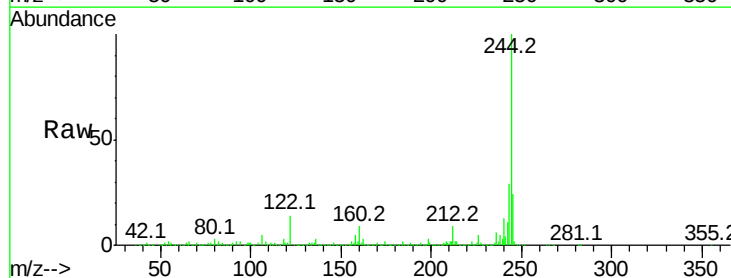
Tgt Ion:244 Resp: 2704642

Ion Ratio Lower Upper

244 100

212 8.9 10.0 15.0#

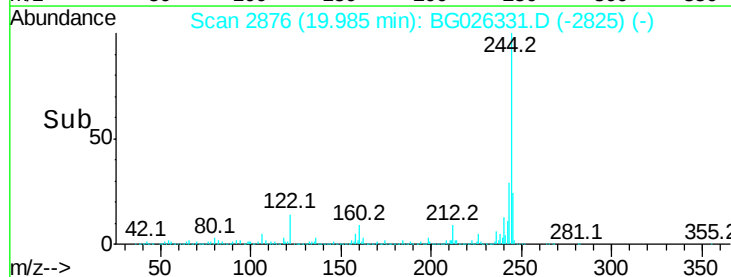
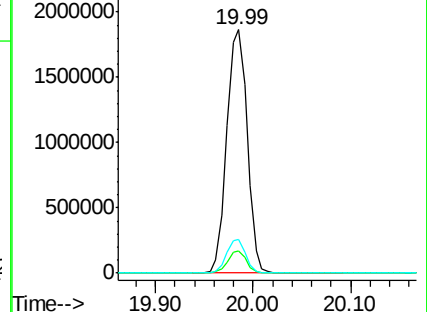
122 13.9 8.6 12.8#

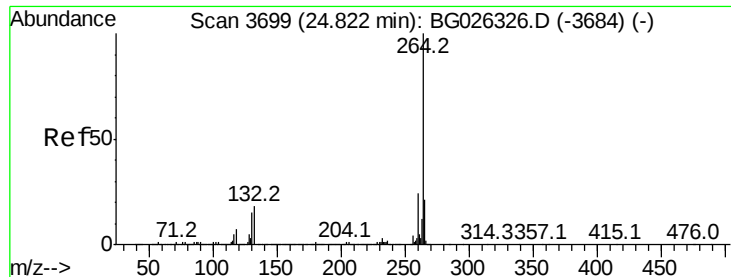


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#86
 Pervlene-d12
 Concen: 20.00 ng
 RT: 24.81 min Scan# 3698
 Delta R.T. -0.01 min
 Lab File: BG026331.D
 Acq: 20 Mar 2017 17:47

Instrument :
 BNA_G
 ClientSampleId :
 PT-ACIDS-WP

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.0	21.8	32.8
265	21.2	18.2	27.4

