

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 04:48:02 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

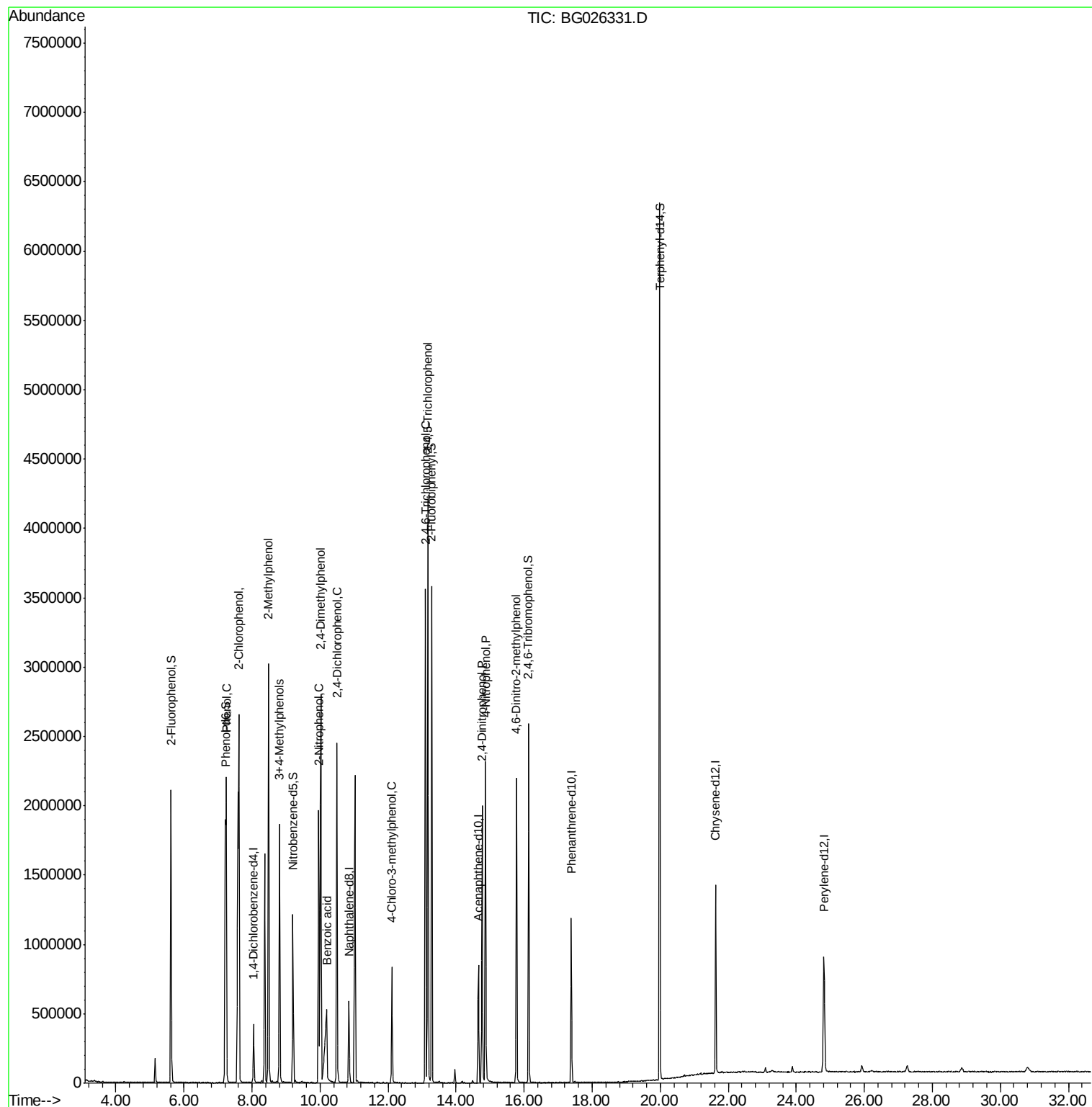
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.05	152	129651	20.00	ng	0.00
21) Naphthalene-d8	10.85	136	538689	20.00	ng	0.00
38) Acenaphthene-d10	14.66	164	309483	20.00	ng	0.00
63) Phenanthrene-d10	17.39	188	729584	20.00	ng	0.00
75) Chrysene-d12	21.63	240	856619	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						
8) 2-Chlorophenol	7.62	128	1282674	155.94	ng	Qvalue 86
10) Phenol	7.24	94	1344747	128.50	ng	# 73
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
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
53) 2,4-Dinitrophenol	14.77	184	546753	172.88	ng	# 80
55) 4-Nitrophenol	14.87	139	829360	168.72	ng	# 42
64) 4,6-Dinitro-2-methylphenol	15.78	198	647293	140.72	ng	85

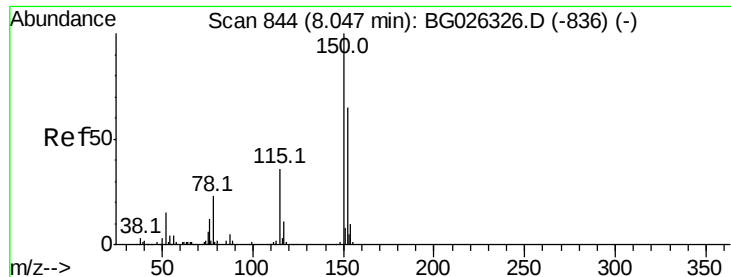
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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

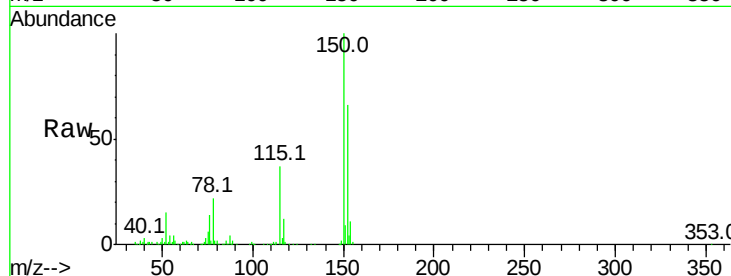
Tot Ion:152 Resp: 129651

Ion Ratio Lower Upper

152 100

150 150.7 114.0 171.0

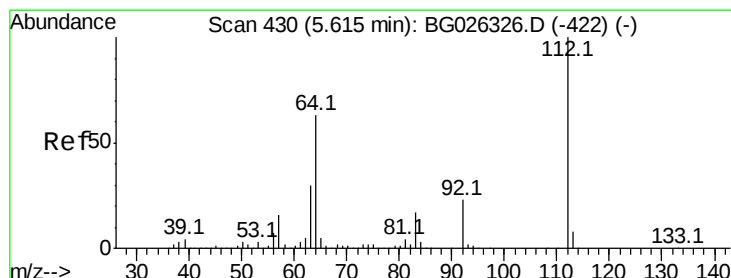
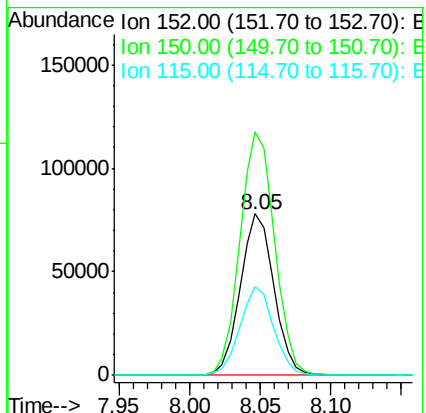
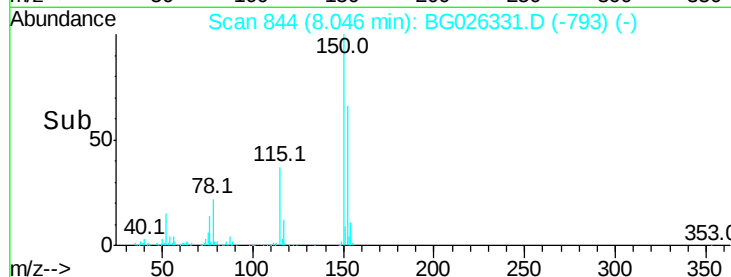
115 55.2 48.1 72.1



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: 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

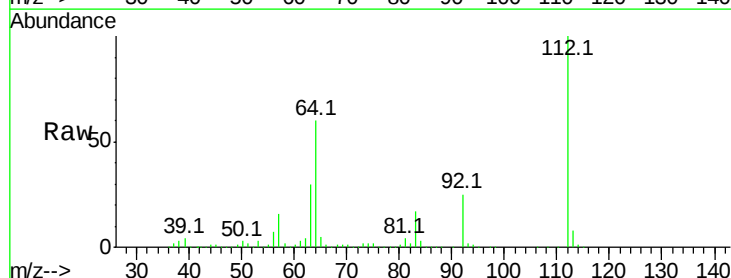
Tgt Ion:112 Resp: 1044738

Ion Ratio Lower Upper

112 100

64 60.3 61.8 92.6#

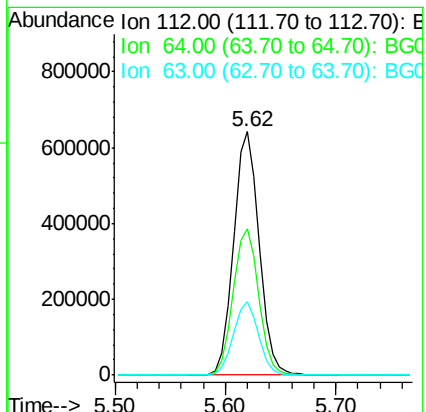
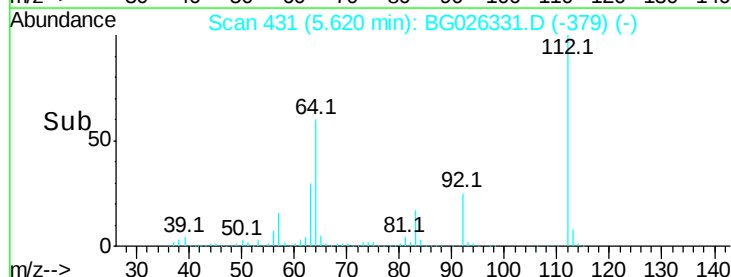
63 30.2 37.2 55.8#

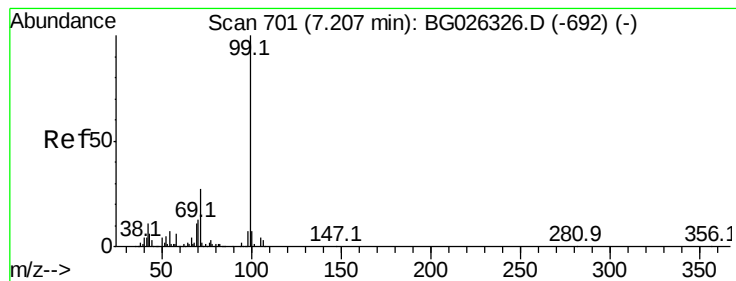


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BGC

Ion 63.00 (62.70 to 63.70): BGC





#7

Phenol-d6

Concen: 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 :

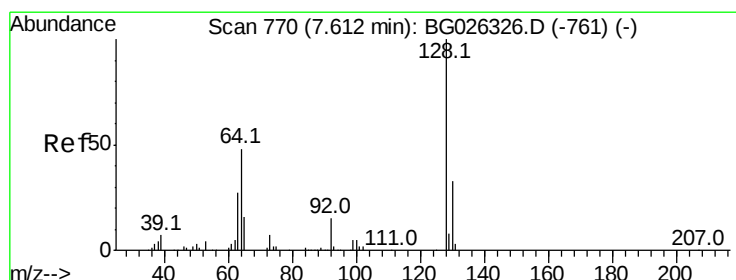
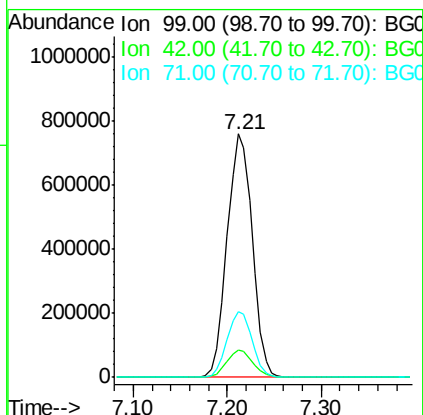
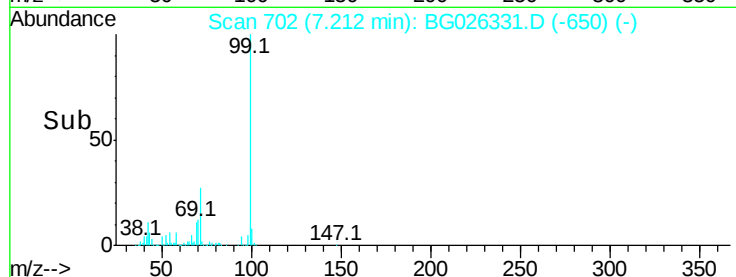
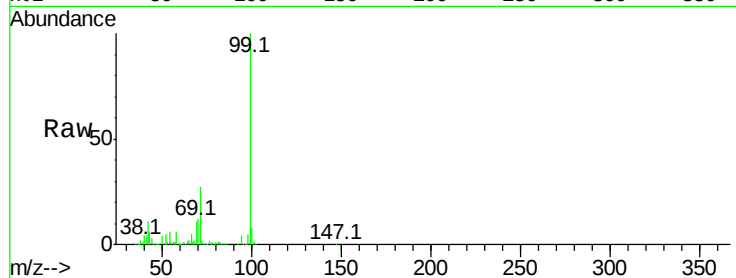
BNA_G

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

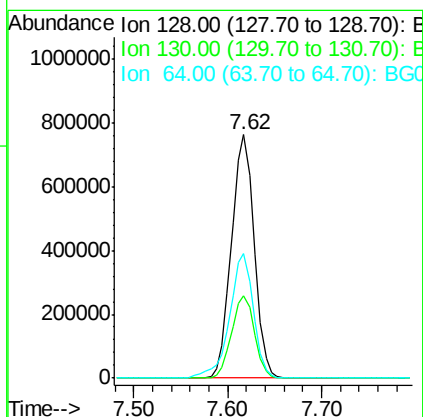
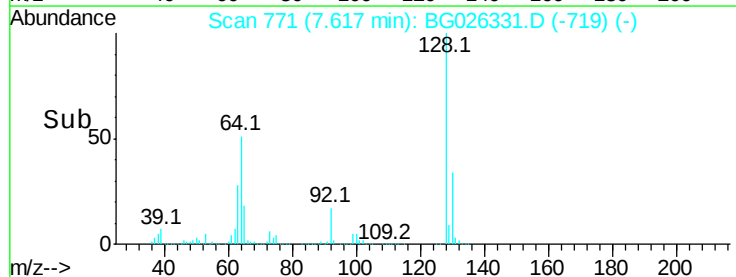
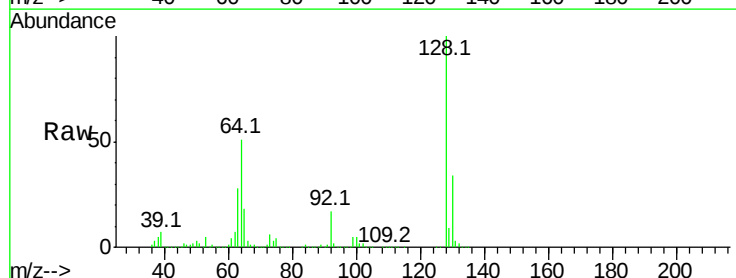
Delta R.T. 0.00 min

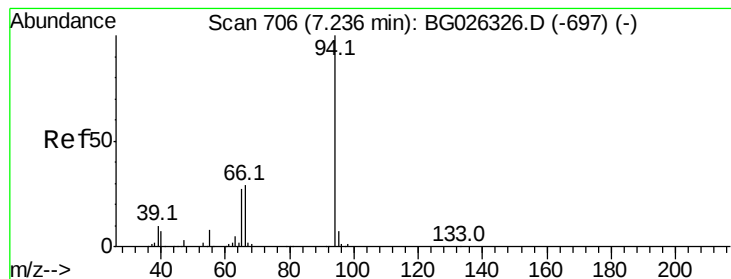
Lab File: BG026331.D

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





#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

Instrument :

BNA_G

ClientSampleId :

PT-ACIDS-WP

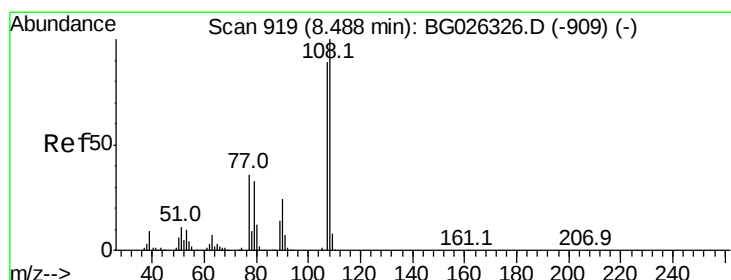
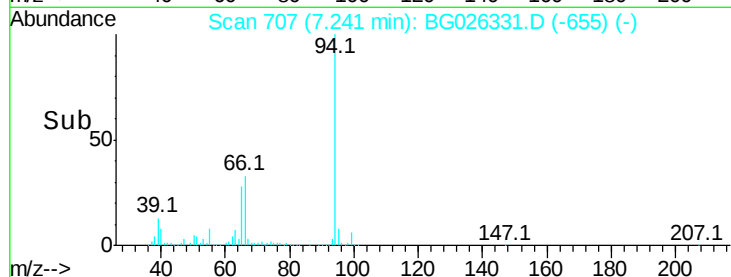
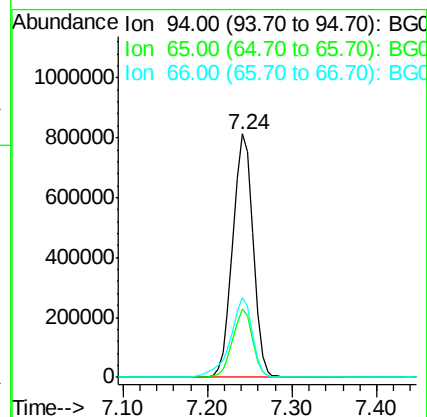
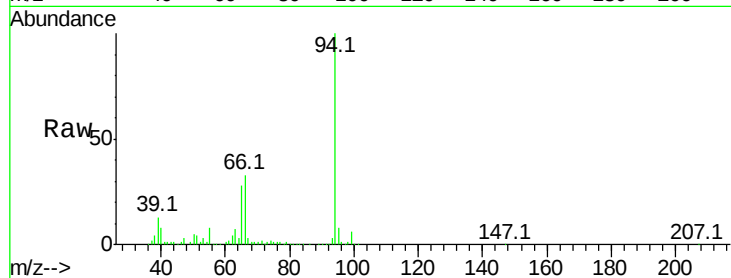
Tot Ion: 94 Resp: 1344747

Ion Ratio Lower Upper

94 100

65 27.9 20.6 60.6

66 32.8 35.5 75.5#



#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

Tgt Ion:107 Resp: 1076824

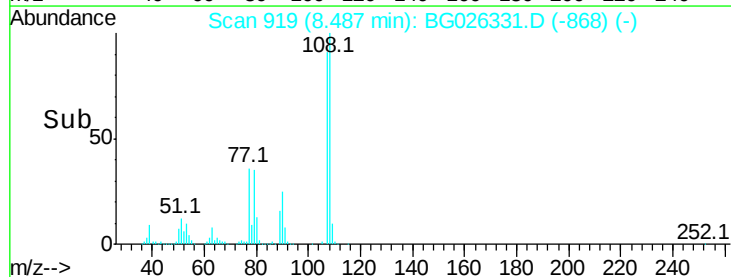
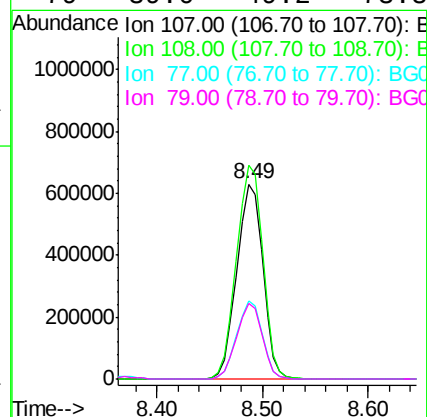
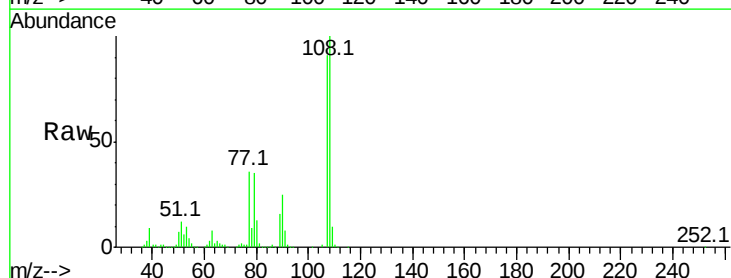
Ion Ratio Lower Upper

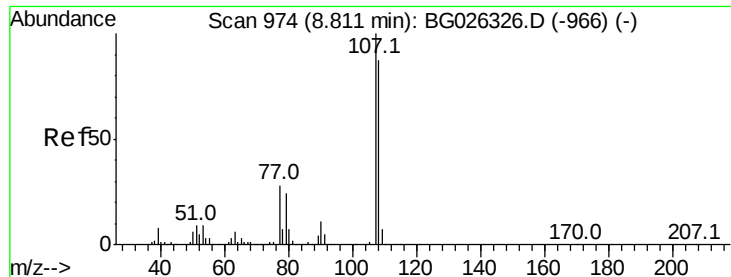
107 100

108 109.8 85.6 128.4

77 39.8 51.4 77.2#

79 39.0 49.2 73.8#

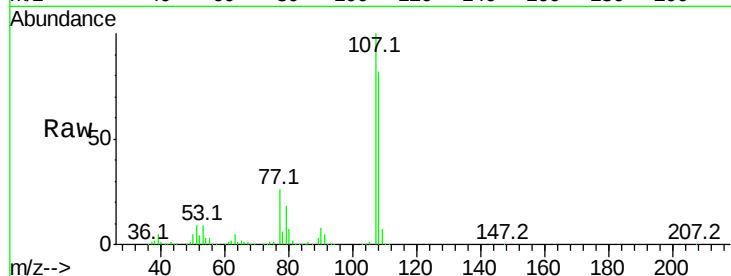




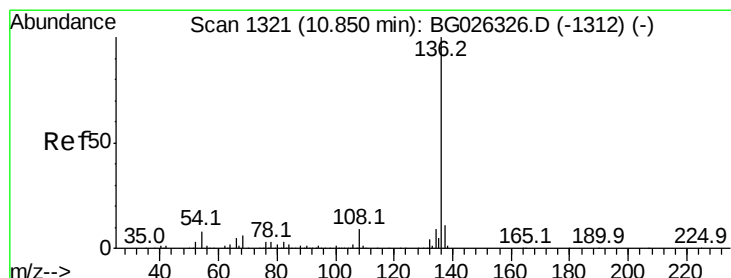
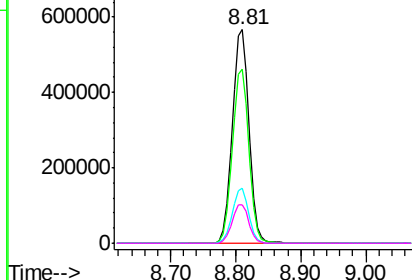
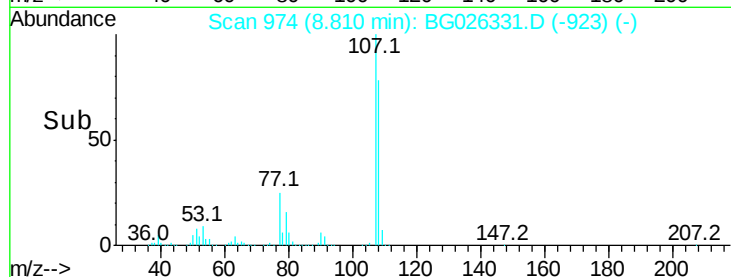
#20
3+4-Methylphenols
Concen: 98.17 ng
RT: 8.81 min Scan# 974
Delta R.T. -0.00 min
Lab File: BG026331.D
Acq: 20 Mar 2017 17:47

Instrument :
BNA_G
ClientSampleId :
PT-ACIDS-WP

Tot 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#

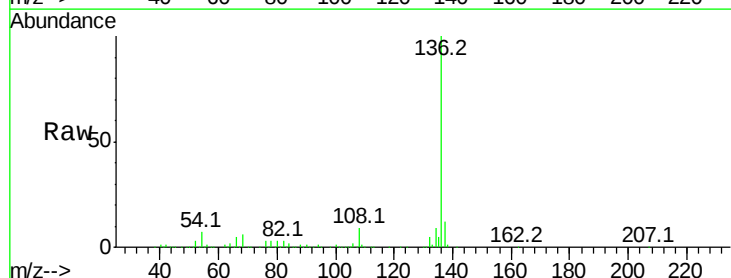


Abundance Ion 107.00 (106.70 to 107.70): E
Ion 108.00 (107.70 to 108.70): E
Ion 77.00 (76.70 to 77.70): BGC
Ion 79.00 (78.70 to 79.70): BGC

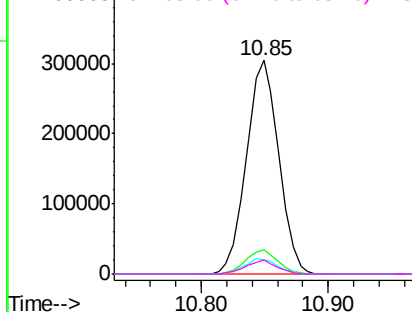
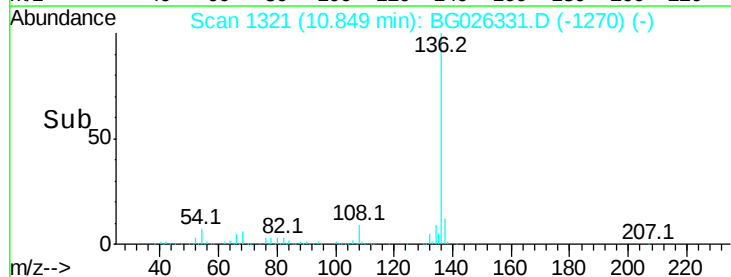


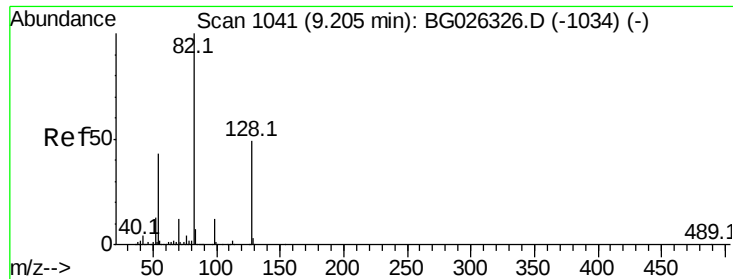
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 10.85 min Scan# 1321
Delta R.T. -0.00 min
Lab File: BG026331.D
Acq: 20 Mar 2017 17:47

Tgt 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

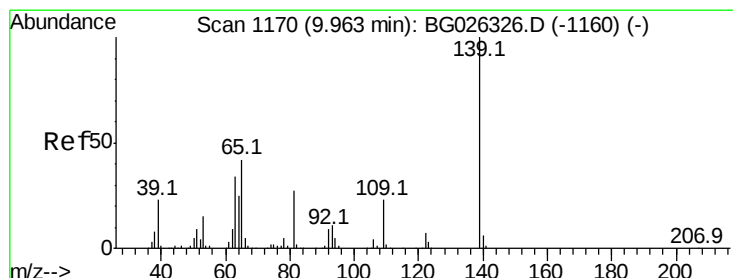
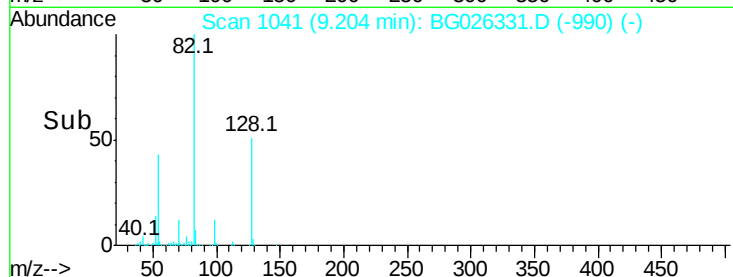
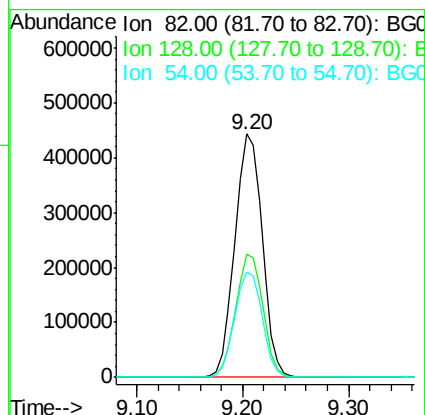
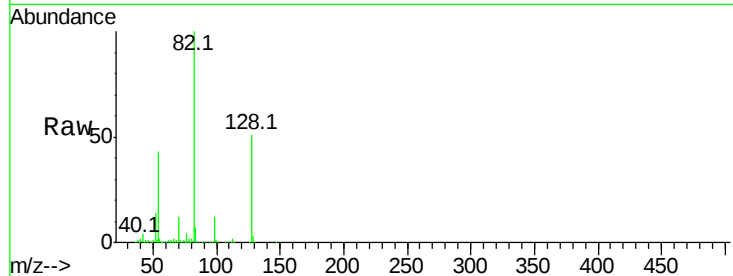




#23
Nitrobenzene-d5
Concen: 88.61 ng
RT: 9.20 min Scan# 1041
Delta R.T. -0.00 min
Lab File: BG026331.D
Acq: 20 Mar 2017 17:47

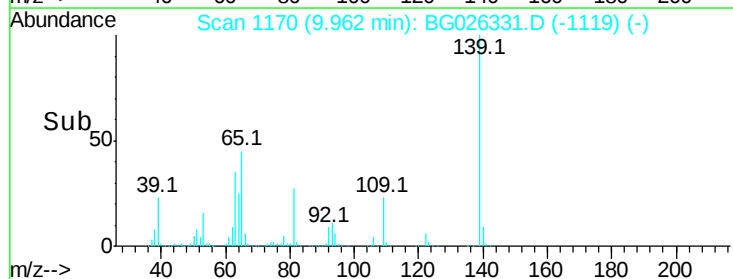
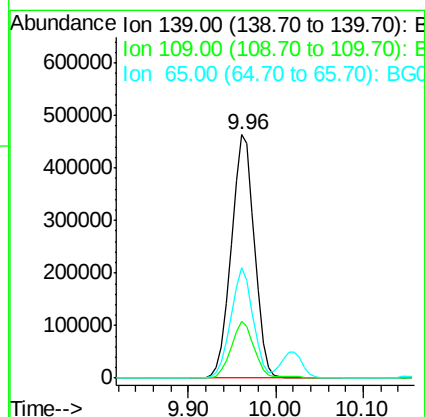
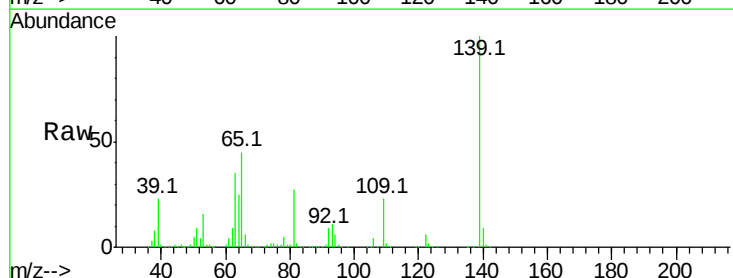
Instrument :
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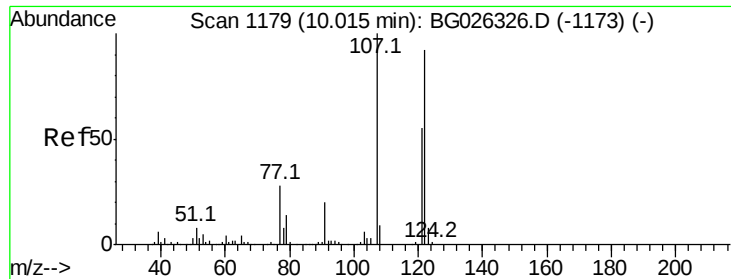
Tot Ion	Ratio	Lower	Upper
82	100		
128	50.8	26.4	39.6#
54	43.4	49.4	74.2#



#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

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

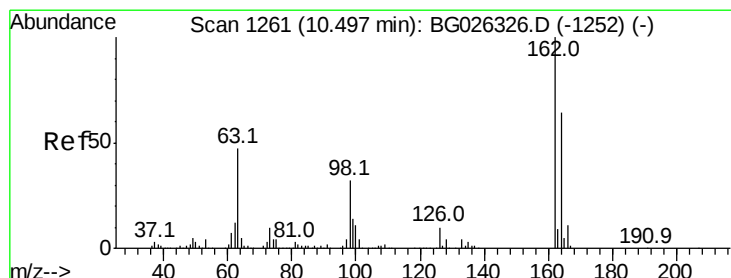
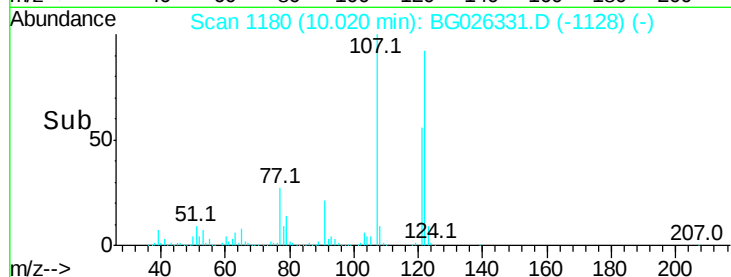
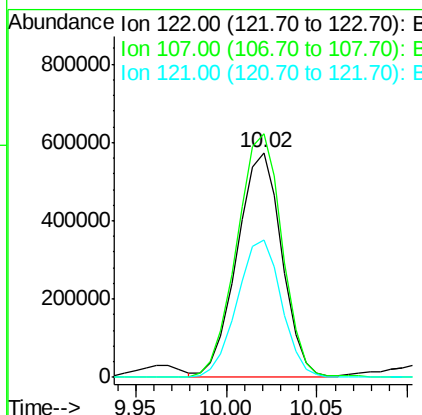
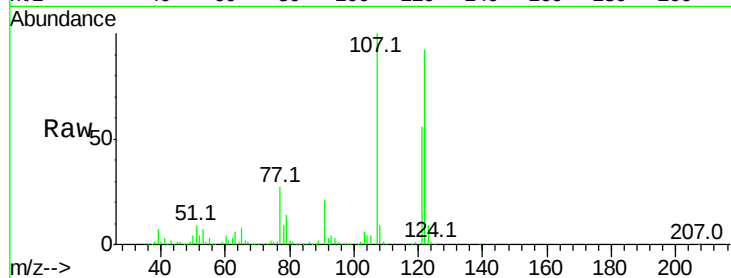




#27
2,4-Dimethylphenol
Concen: 130.66 ng
RT: 10.02 min Scan# 1180
Delta R.T. 0.00 min
Lab File: BG026331.D
Acq: 20 Mar 2017 17:47

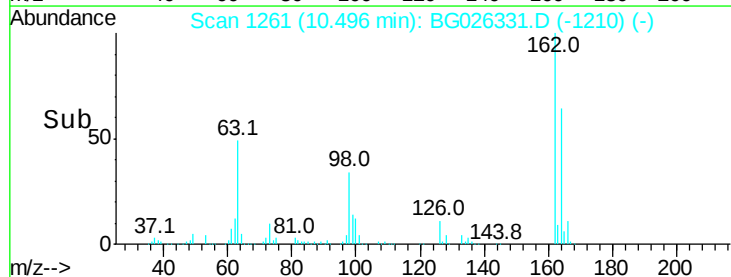
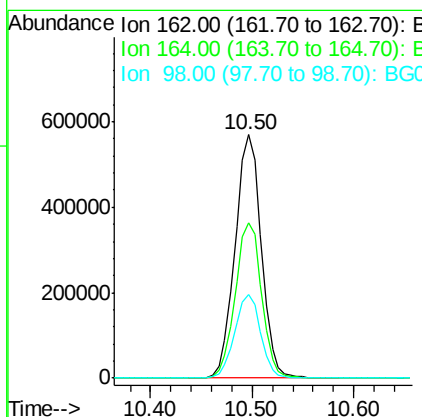
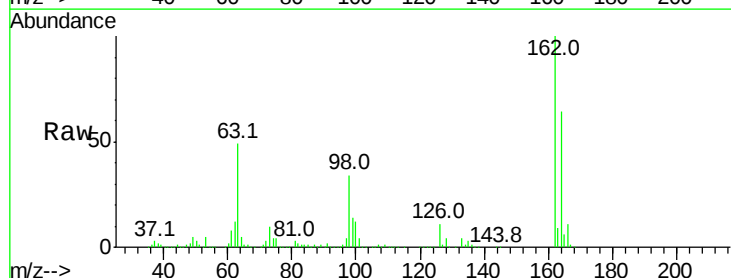
Instrument :
BNA_G
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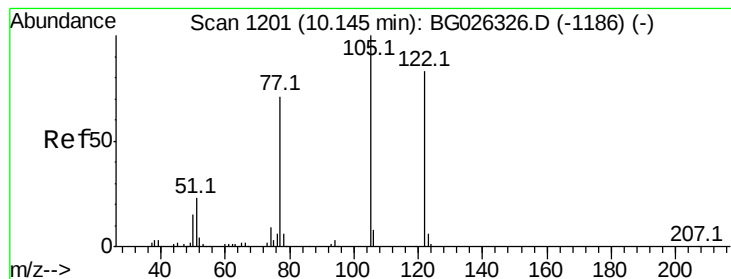
Tot Ion:122 Resp: 987159
Ion Ratio Lower Upper
122 100
107 108.3 104.2 156.4
121 61.1 46.0 69.0



#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

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





#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

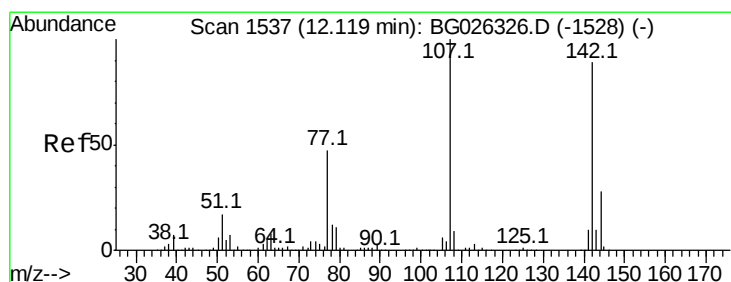
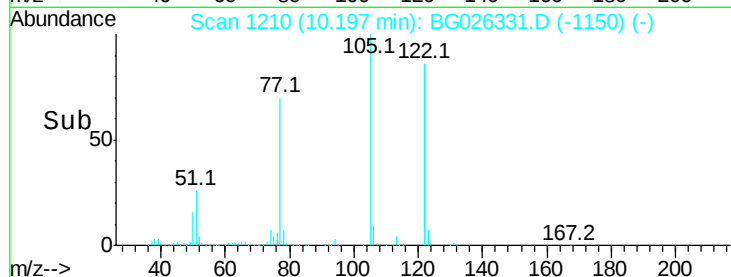
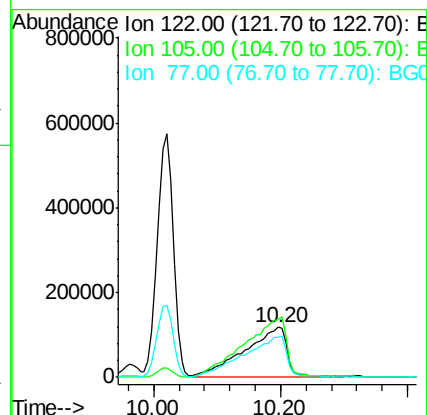
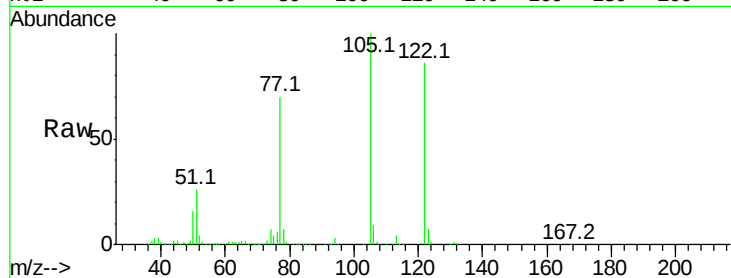
Tot Ion:122 Resp: 538742

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

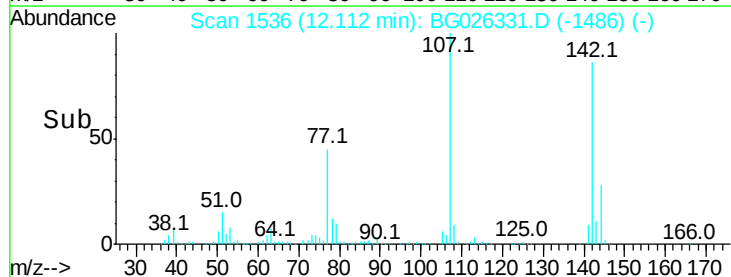
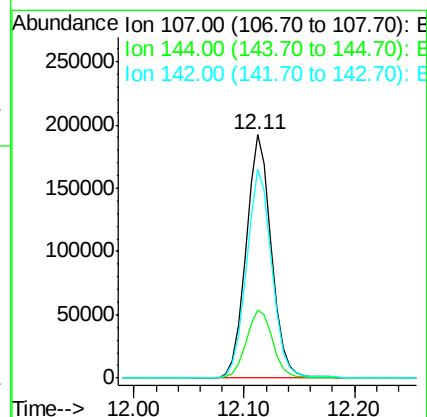
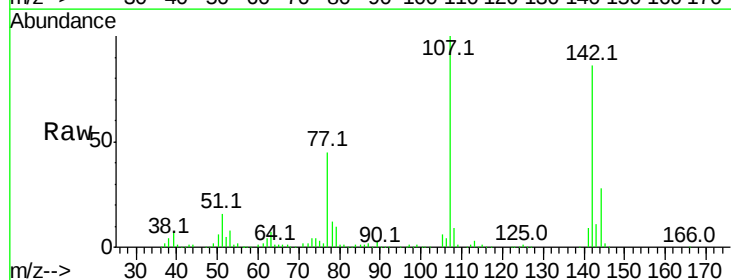
Tgt Ion:107 Resp: 309819

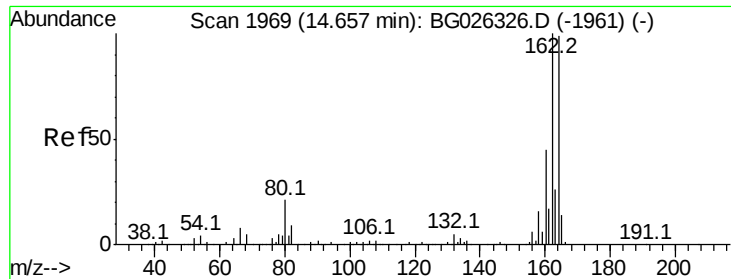
Ion Ratio Lower Upper

107 100

144 28.1 17.4 26.0#

142 85.7 54.1 81.1#

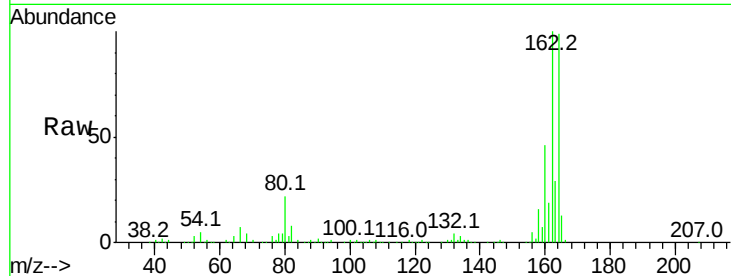




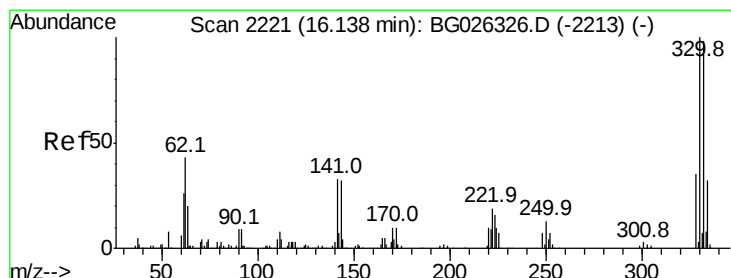
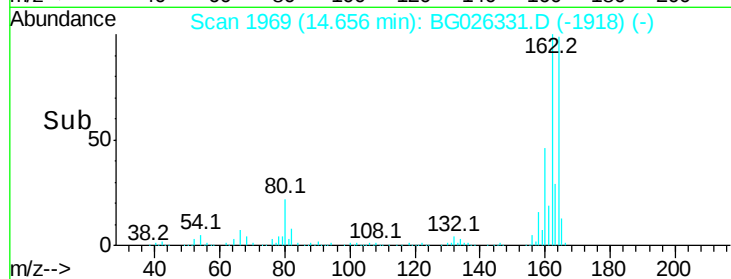
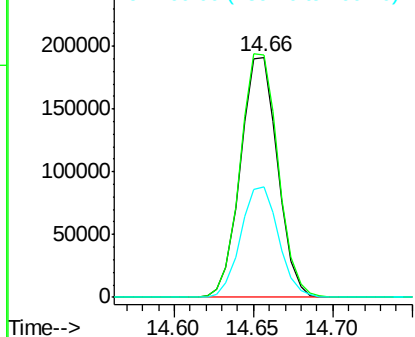
#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 14.66 min Scan# 1969
Delta R.T. -0.00 min
Lab File: BG026331.D
Acq: 20 Mar 2017 17:47

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

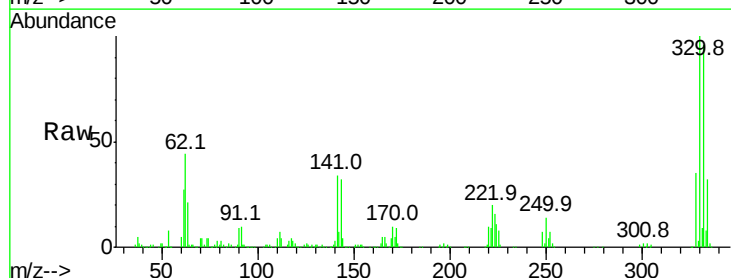


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

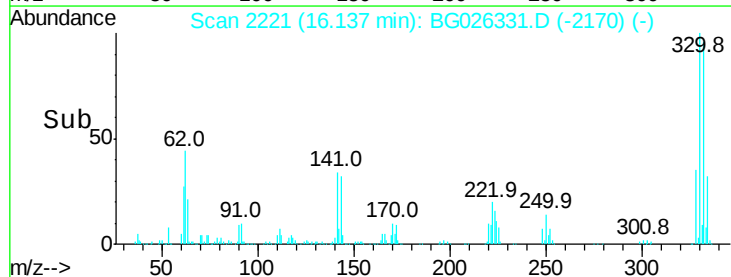
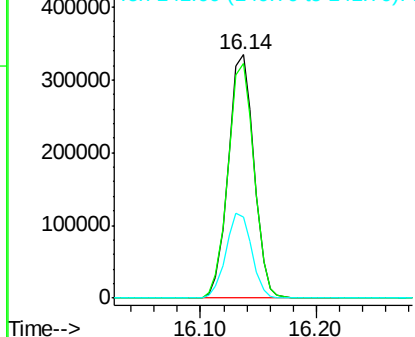


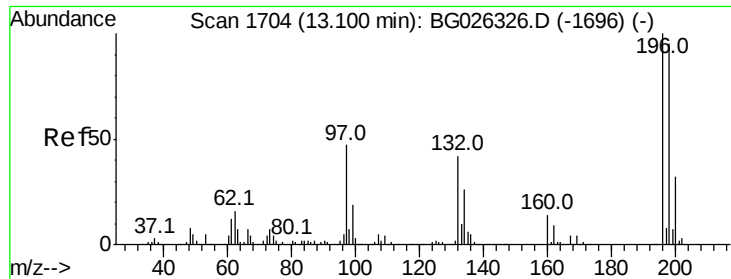
#41
2,4,6-Tribromophenol
Concen: 145.51 ng
RT: 16.14 min Scan# 2221
Delta R.T. -0.00 min
Lab File: BG026331.D
Acq: 20 Mar 2017 17:47

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

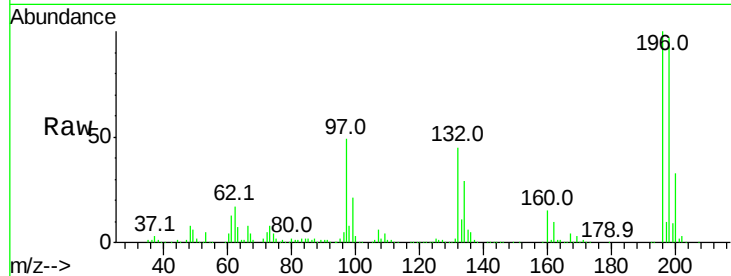




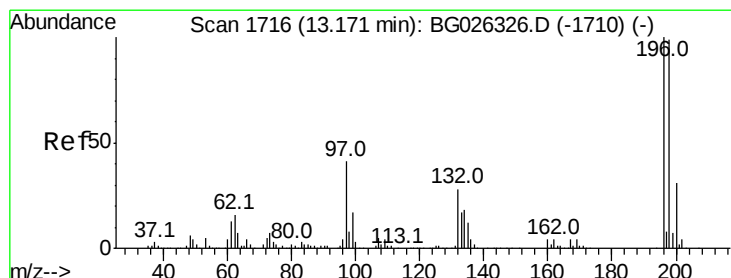
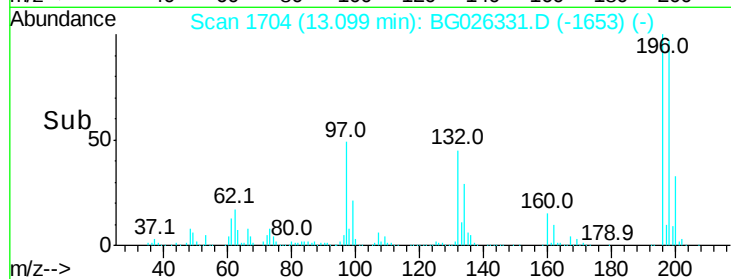
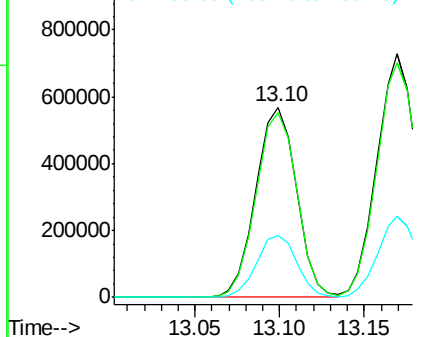
#42
 2,4,6-Trichlorophenol
 Concen: 156.39 ng
 RT: 13.10 min Scan# 1704
 Delta R.T. -0.00 min
 Lab File: BG026331.D
 Acq: 20 Mar 2017 17:47

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

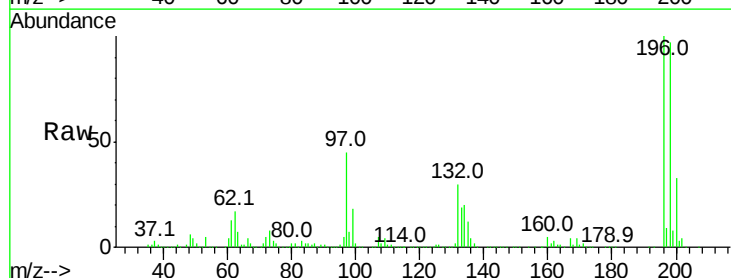


Abundance Ion 196.00 (195.70 to 196.70): E
 Ion 198.00 (197.70 to 198.70): E
 Ion 200.00 (199.70 to 200.70): E

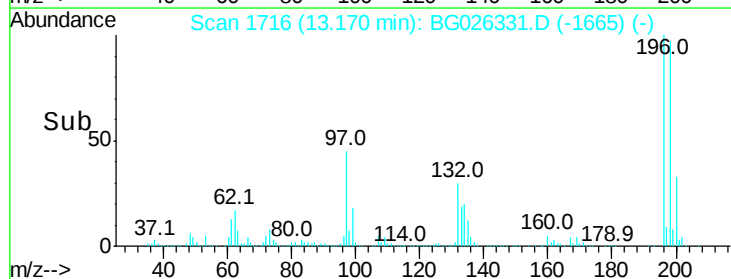
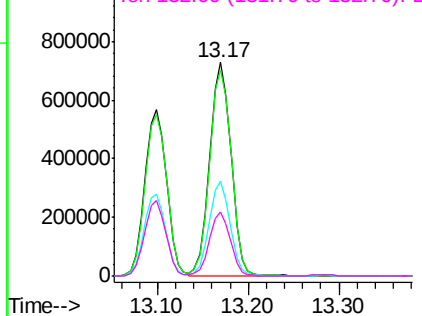


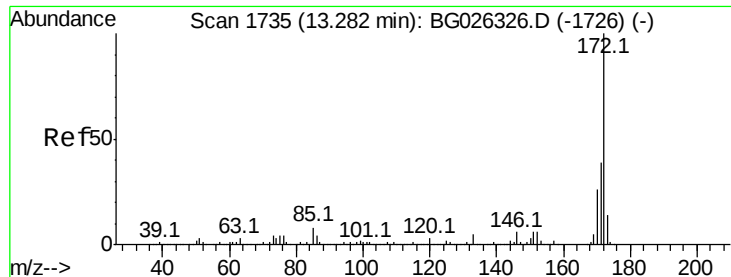
#43
 2,4,5-Trichlorophenol
 Concen: 177.04 ng
 RT: 13.17 min Scan# 1716
 Delta R.T. -0.00 min
 Lab File: BG026331.D
 Acq: 20 Mar 2017 17:47

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



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): BGC
 Ion 132.00 (131.70 to 132.70): E



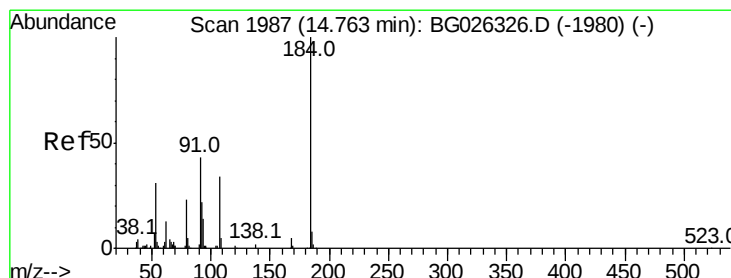
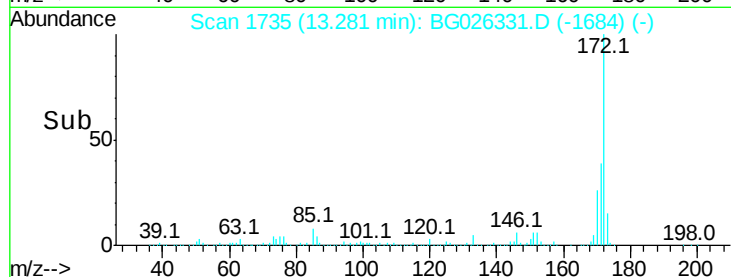
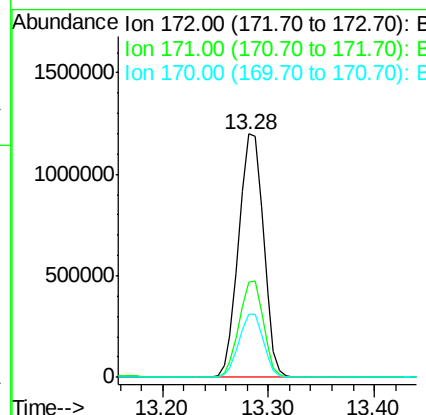
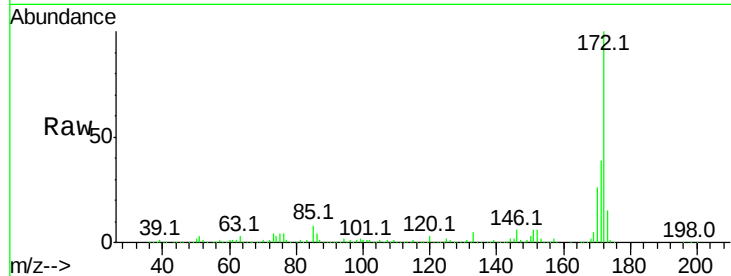


#44
 2-Fluorobiphenyl
 Concen: 88.12 ng
 RT: 13.28 min Scan# 1735
 Delta R.T. -0.00 min
 Lab File: BG026331.D
 Acq: 20 Mar 2017 17:47

Instrument :
 BNA_G
 ClientSampleId :
 PT-ACIDS-WP

Tot Ion:172 Resp: 1944681

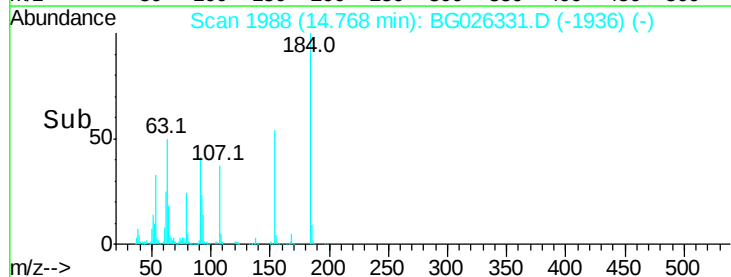
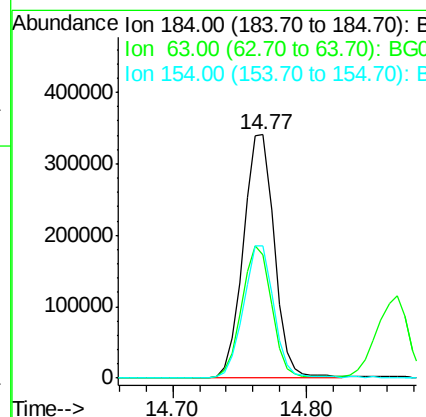
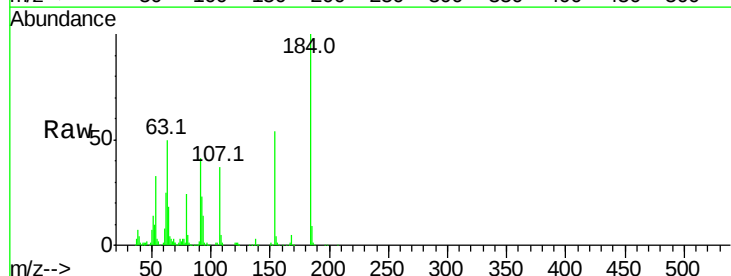
Ion	Ratio	Lower	Upper
172	100		
171	39.3	32.2	48.2
170	26.2	21.8	32.6

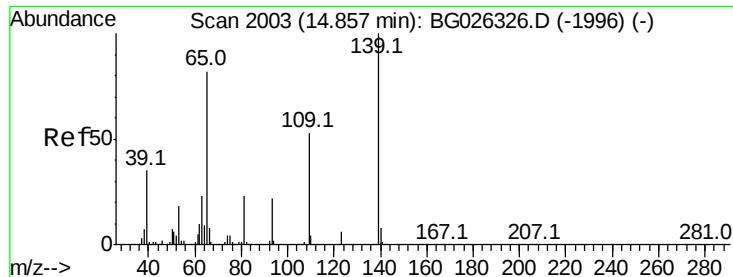


#53
 2,4-Dinitrophenol
 Concen: 172.88 ng
 RT: 14.77 min Scan# 1988
 Delta R.T. 0.00 min
 Lab File: BG026331.D
 Acq: 20 Mar 2017 17:47

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

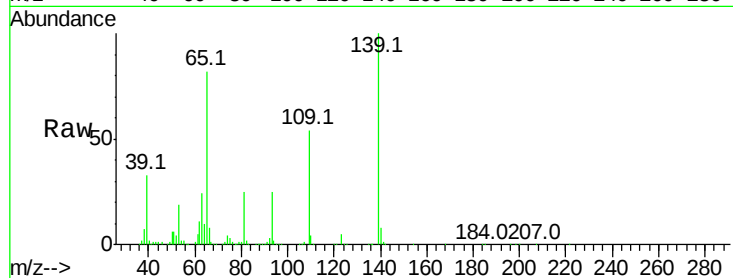
Tot Ion:139 Resp: 829360

Ion Ratio Lower Upper

139 100

109 54.4 101.2 141.2#

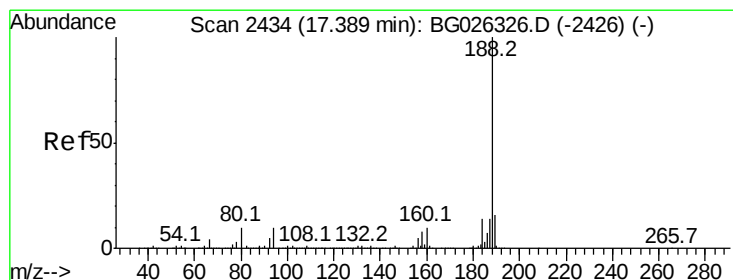
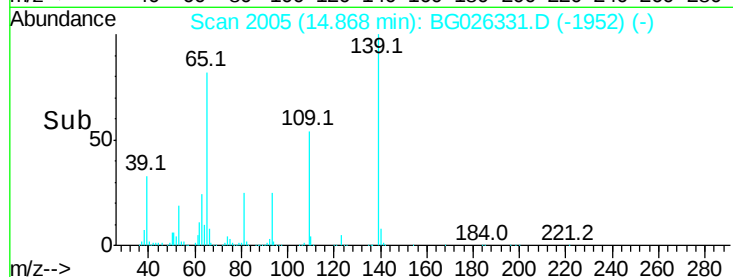
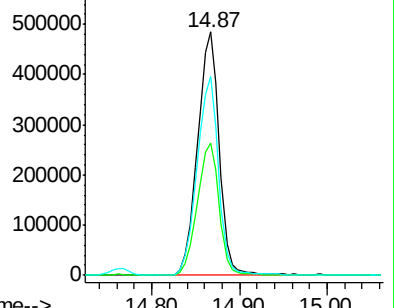
65 81.9 135.3 175.3#



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): BGC



#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

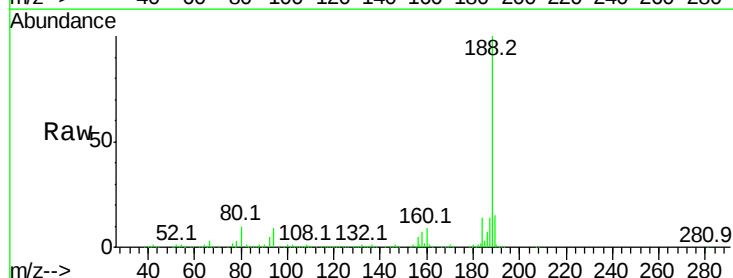
Tgt Ion:188 Resp: 729584

Ion Ratio Lower Upper

188 100

94 9.3 5.8 8.8#

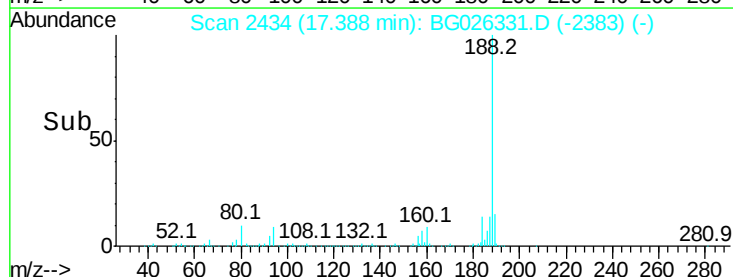
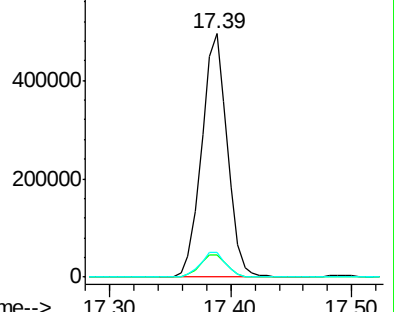
80 10.2 7.5 11.3

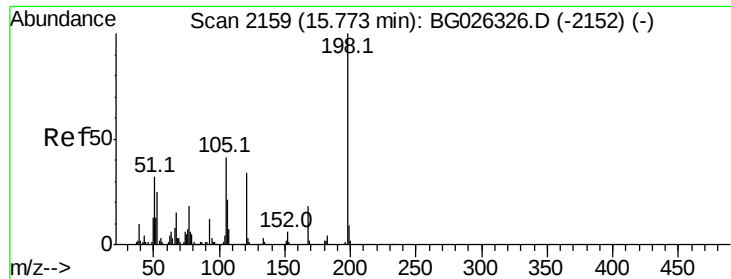


Abundance Ion 188.00 (187.70 to 188.70): E

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: 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

Instrument :

BNA_G

ClientSampleId :

PT-ACIDS-WP

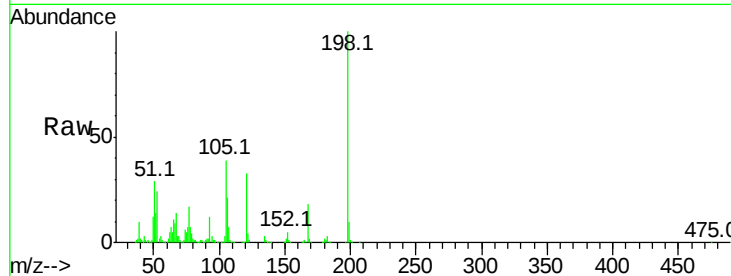
Tot Ion:198 Resp: 647293

Ion Ratio Lower Upper

198 100

51 28.9 22.6 62.6

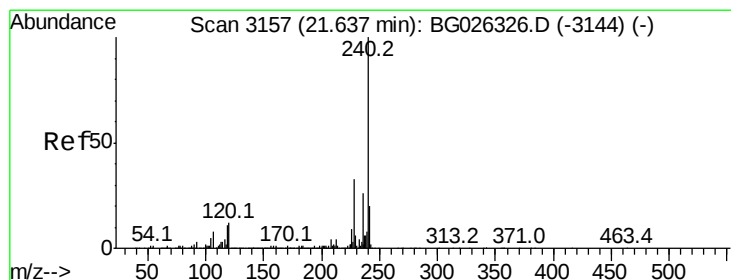
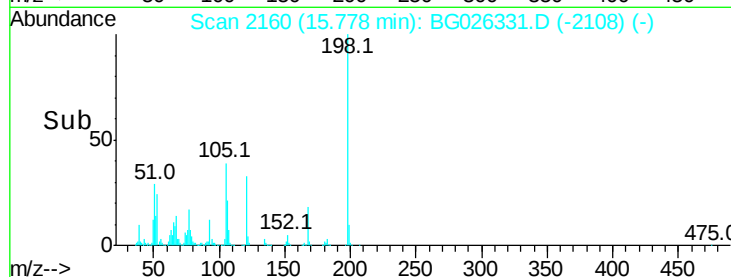
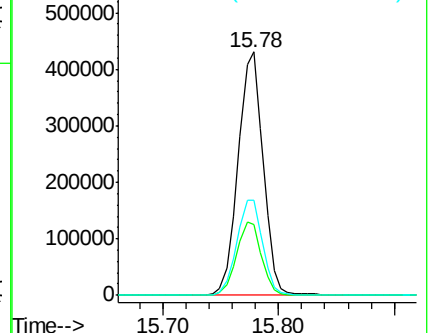
105 39.0 14.4 54.4



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



#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

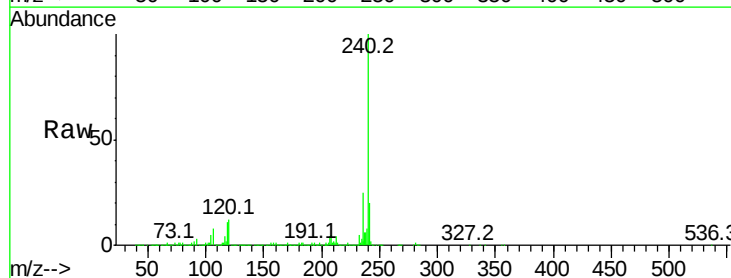
Tgt Ion:240 Resp: 856619

Ion Ratio Lower Upper

240 100

120 11.9 5.7 8.5#

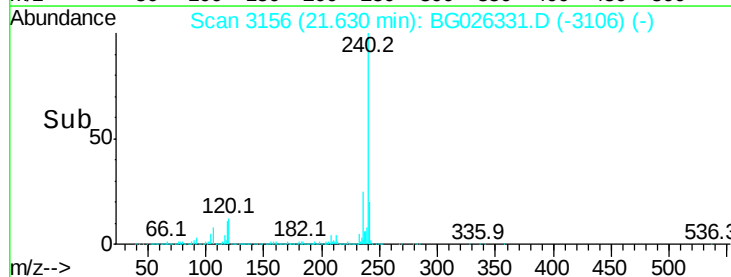
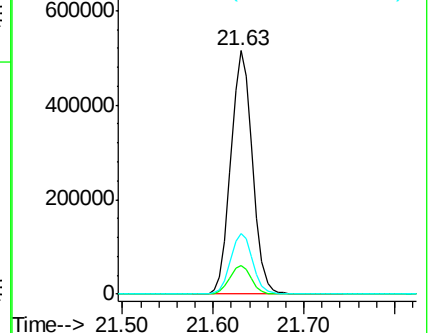
236 24.9 22.2 33.4

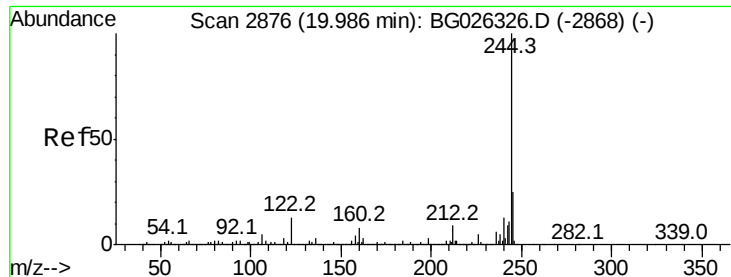


Abundance Ion 240.00 (239.70 to 240.70): E

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

Instrument :

BNA_G

ClientSampleId :

PT-ACIDS-WP

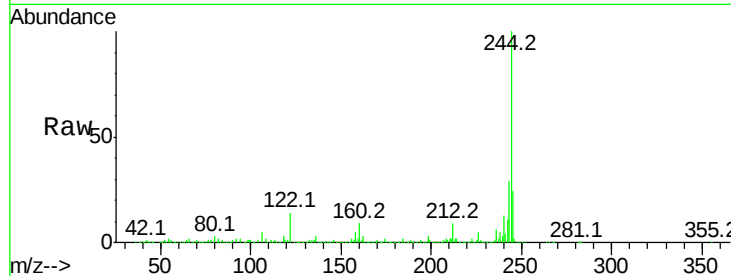
Tot Ion:244 Resp: 2704642

Ion Ratio Lower Upper

244 100

212 8.9 10.0 15.0#

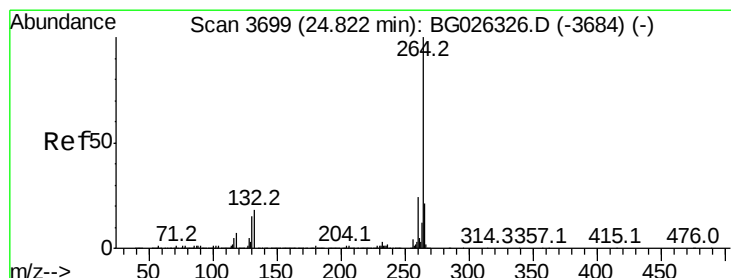
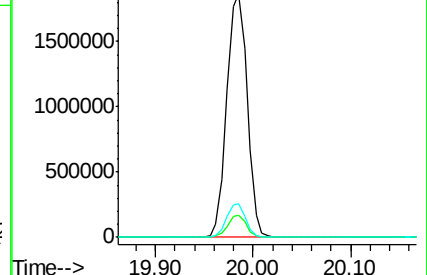
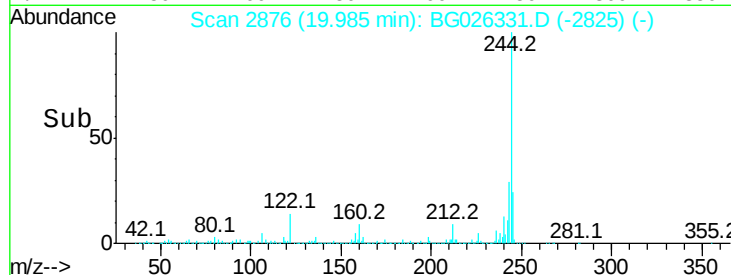
122 13.9 8.6 12.8#



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

Perylene-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

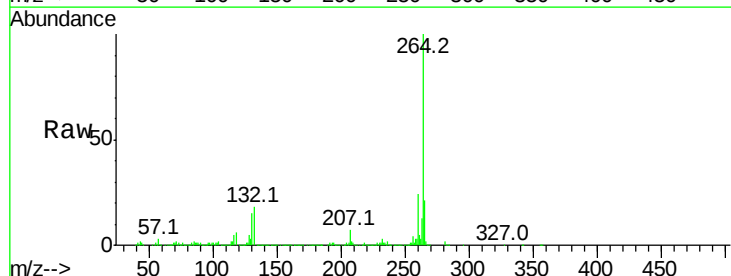
Tgt Ion:264 Resp: 811704

Ion Ratio Lower Upper

264 100

260 24.0 21.8 32.8

265 21.2 18.2 27.4



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

