

Data Path : Z:\HPCHEM1\BNA G\DATA\BG032017\
 Data File : BG026332.D
 Acq On : 20 Mar 2017 18:27
 Operator : SJ/MA
 Sample : I2194-06DL 5X
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 PT-ACIDS-WPDL

Quant Time: Mar 21 01:11:48 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

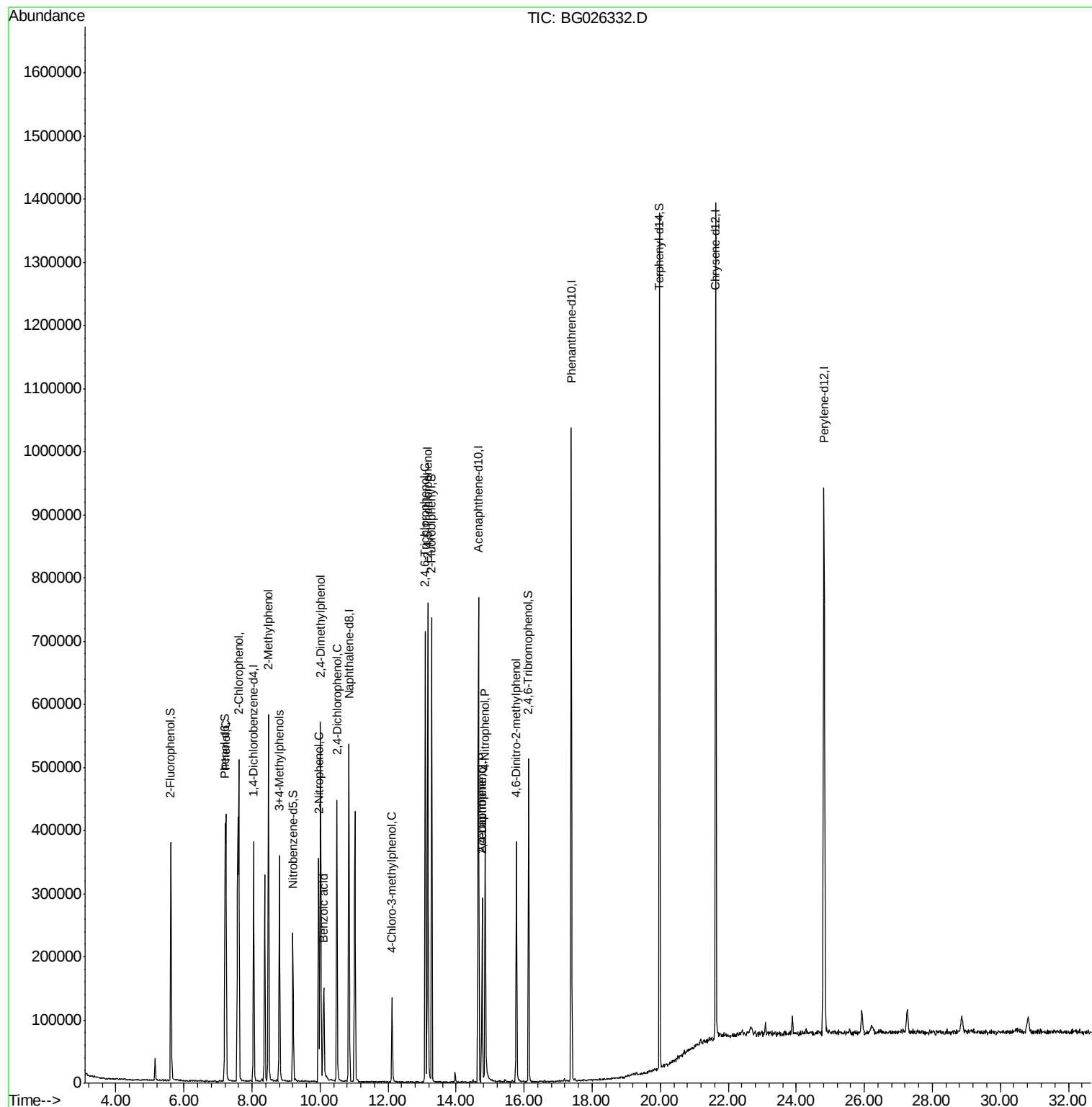
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.05	152	119340	20.00	ng	0.00
21) Naphthalene-d8	10.85	136	493901	20.00	ng	0.00
38) Acenaphthene-d10	14.66	164	276426	20.00	ng	0.00
63) Phenanthrene-d10	17.39	188	660888	20.00	ng	0.00
75) Chrysene-d12	21.63	240	837247	20.00	ng	0.00
86) Perylene-d12	24.81	264	825167	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.62	112	204645	30.44	ng	0.00
7) Phenol-d6	7.21	99	276892	30.67	ng	0.00
23) Nitrobenzene-d5	9.20	82	149395	18.19	ng	0.00
41) 2,4,6-Tribromophenol	16.13	330	99158	31.32	ng	0.00
44) 2-Fluorobiphenyl	13.28	172	412327	20.92	ng	0.00
78) Terphenyl-d14	19.98	244	634765	18.41	ng	0.00
Target Compounds						Qvalue
8) 2-Chlorophenol	7.61	128	259170	34.23	ng	83
10) Phenol	7.23	94	271705	28.21	ng	# 70
17) 2-Methylphenol	8.49	107	211266	30.88	ng	# 81
20) 3+4-Methylphenols	8.80	107	192211	20.41	ng	# 75
26) 2-Nitrophenol	9.96	139	157470	37.31	ng	# 64
27) 2,4-Dimethylphenol	10.01	122	196062	28.30	ng	86
29) 2,4-Dichlorophenol	10.50	162	198707	28.36	ng	95
32) Benzoic acid	10.11	122	88579	16.62	ng	# 74
36) 4-Chloro-3-methylphenol	12.12	107	55025	7.34	ng	# 79
42) 2,4,6-Trichlorophenol	13.09	196	183140	33.63	ng	95
43) 2,4,5-Trichlorophenol	13.16	196	237193	39.41	ng	94
51) Acenaphthene	14.76	154	44772	2.49	ng	# 6
53) 2,4-Dinitrophenol	14.76	184	85386	30.23	ng	# 81
55) 4-Nitrophenol	14.86	139	148792	33.89	ng	# 42
64) 4,6-Dinitro-2-methylphenol	15.77	198	113902	27.34	ng	83

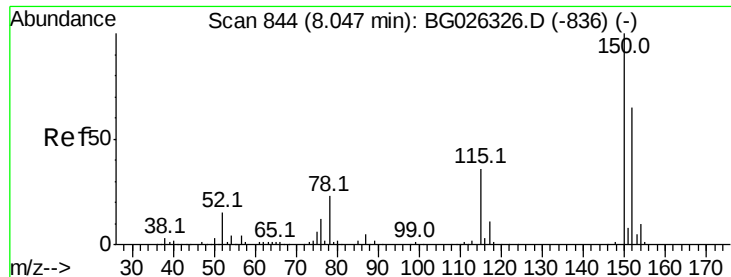
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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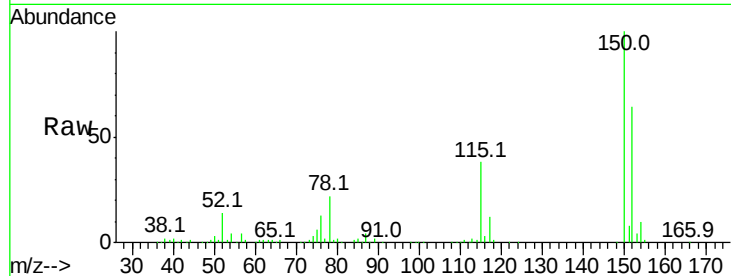


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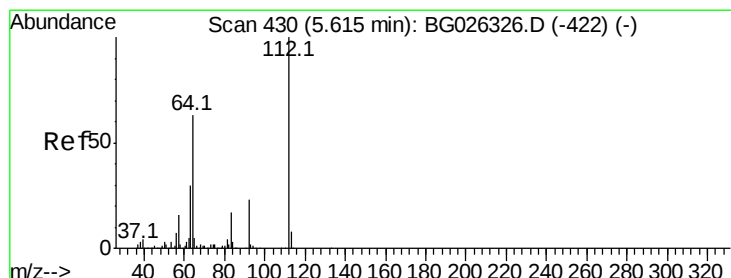
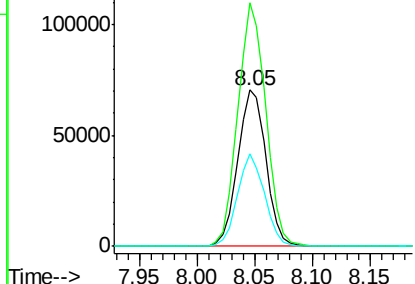
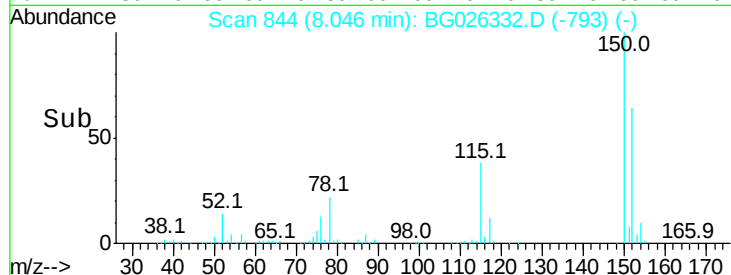
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 8.05 min Scan# 844
Delta R.T. -0.00 min
Lab File: BG026332.D
Acq: 20 Mar 2017 18:27

Instrument :
BNA_G
ClientSampleId :
PT-ACIDS-WPDL

Tot Ion:152 Resp: 119340
Ion Ratio Lower Upper
152 100
150 155.6 114.0 171.0
115 58.9 48.1 72.1



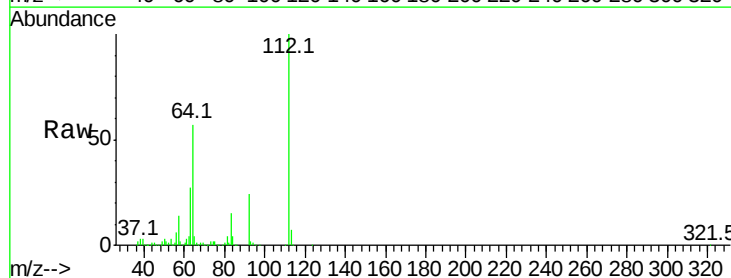
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



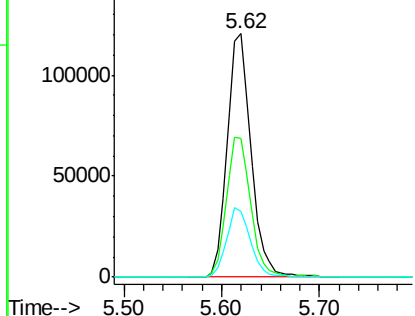
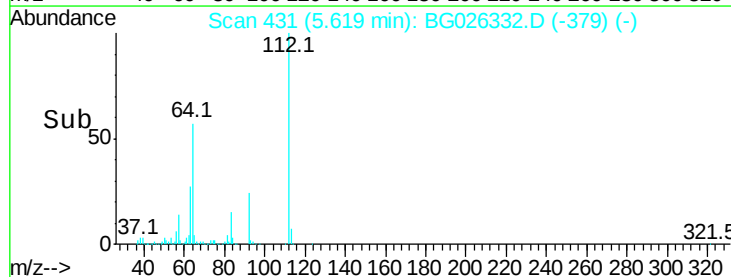
#5

2-Fluorophenol
Concen: 30.44 ng
RT: 5.62 min Scan# 431
Delta R.T. 0.00 min
Lab File: BG026332.D
Acq: 20 Mar 2017 18:27

Tgt Ion:112 Resp: 204645
Ion Ratio Lower Upper
112 100
64 56.9 61.8 92.6#
63 27.0 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: 30.67 ng

RT: 7.21 min Scan# 701

Delta R.T. -0.00 min

Lab File: BG026332.D

Acq: 20 Mar 2017 18:27

Instrument :

BNA_G

ClientSampleId :

PT-ACIDS-WPDL

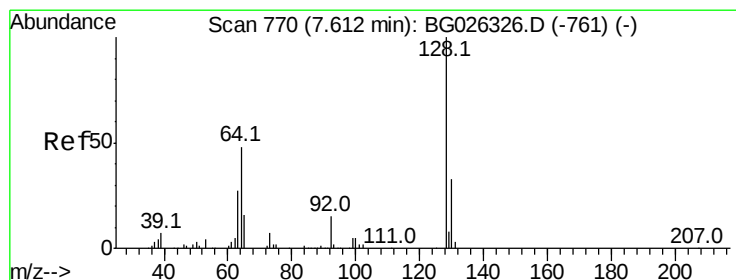
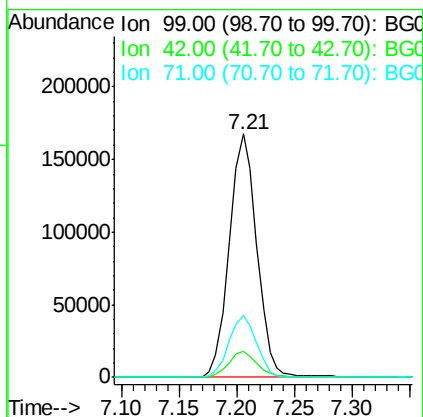
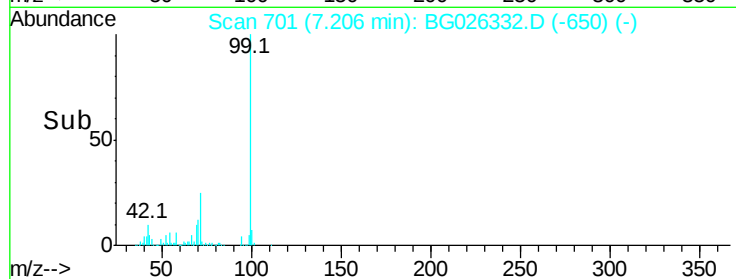
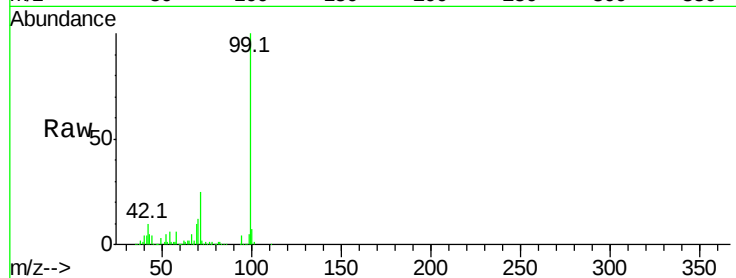
Tot Ion: 99 Resp: 276892

Ion Ratio Lower Upper

99 100

42 10.5 20.5 30.7#

71 25.5 37.6 56.4#



#8

2-Chlorophenol

Concen: 34.23 ng

RT: 7.61 min Scan# 770

Delta R.T. -0.00 min

Lab File: BG026332.D

Acq: 20 Mar 2017 18:27

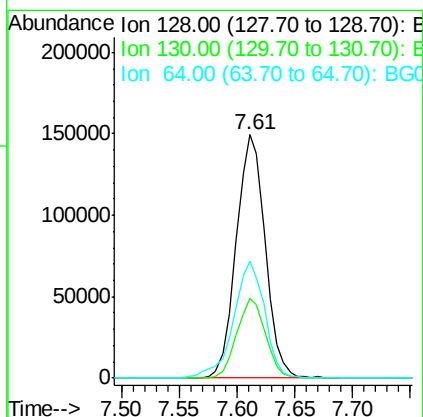
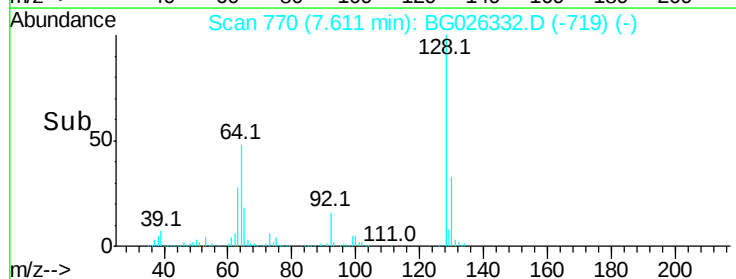
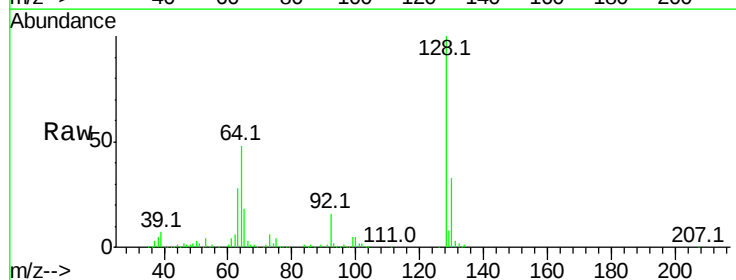
Tgt Ion:128 Resp: 259170

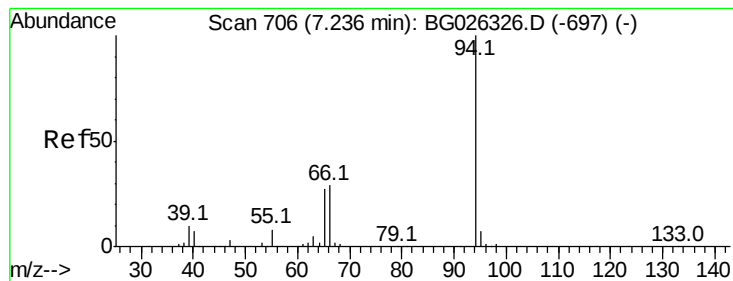
Ion Ratio Lower Upper

128 100

130 32.9 11.4 51.4

64 48.2 46.6 86.6





#10

Phenol

Concen: 28.21 ng

RT: 7.23 min Scan# 705

Delta R.T. -0.01 min

Lab File: BG026332.D

Acq: 20 Mar 2017 18:27

Instrument :

BNA_G

ClientSampleId :

PT-ACIDS-WPDL

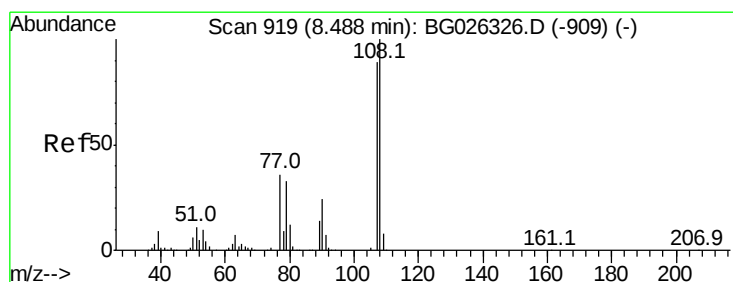
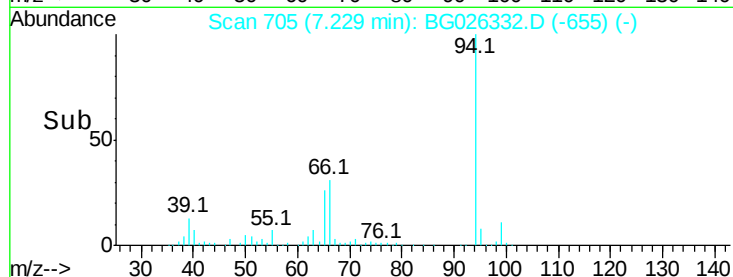
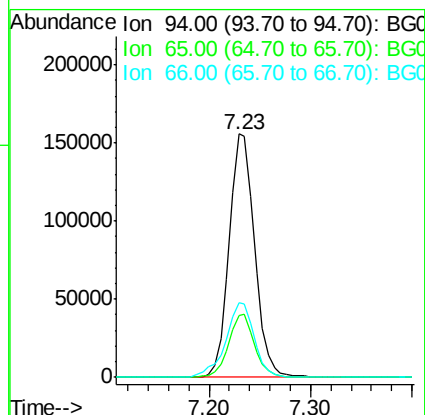
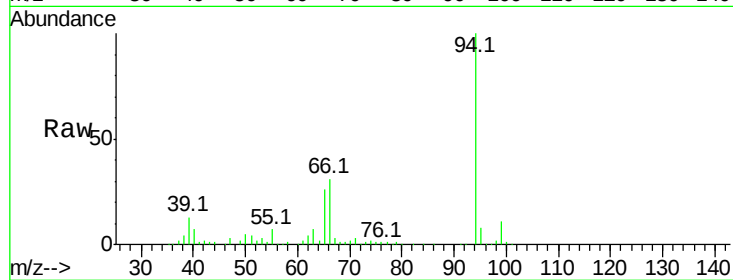
Tot Ion: 94 Resp: 271705

Ion Ratio Lower Upper

94 100

65 25.6 20.6 60.6

66 30.5 35.5 75.5#



#17

2-Methylphenol

Concen: 30.88 ng

RT: 8.49 min Scan# 919

Delta R.T. -0.00 min

Lab File: BG026332.D

Acq: 20 Mar 2017 18:27

Tgt Ion: 107 Resp: 211266

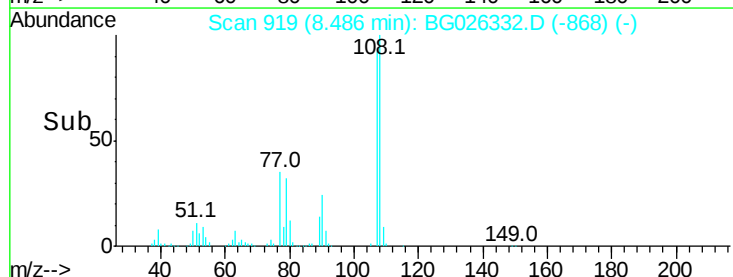
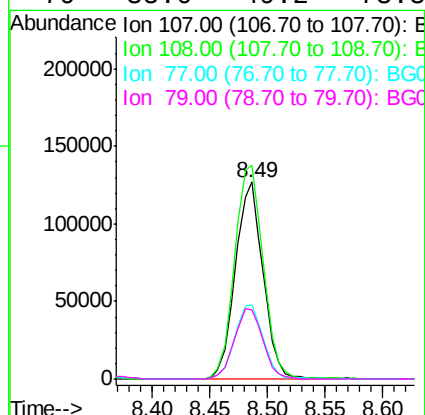
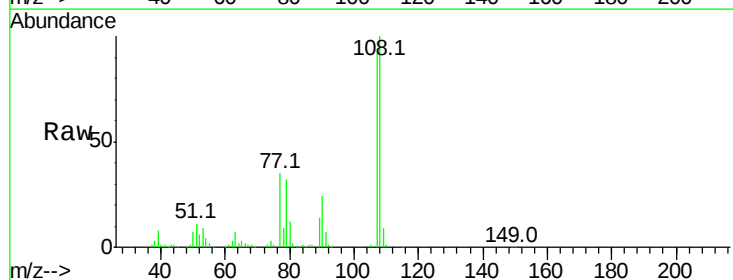
Ion Ratio Lower Upper

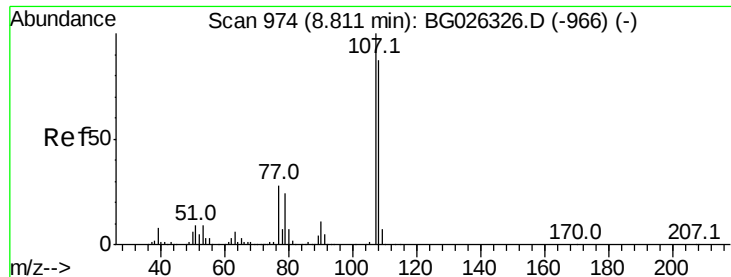
107 100

108 108.5 85.6 128.4

77 37.9 51.4 77.2#

79 35.0 49.2 73.8#

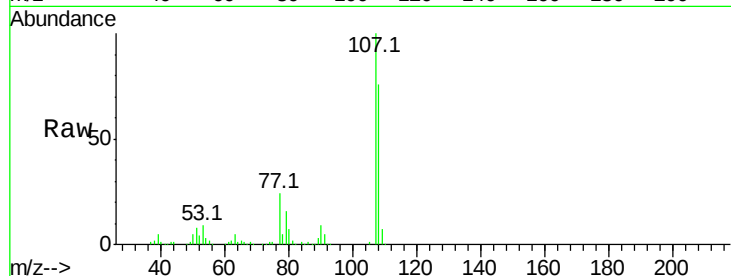




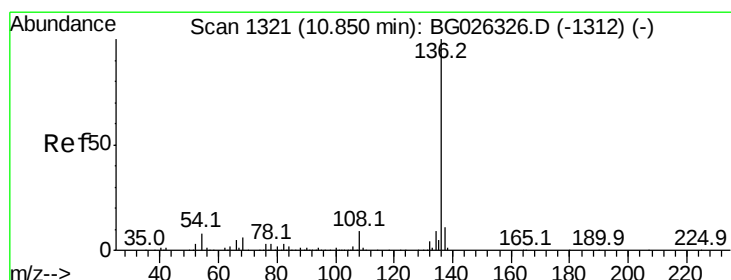
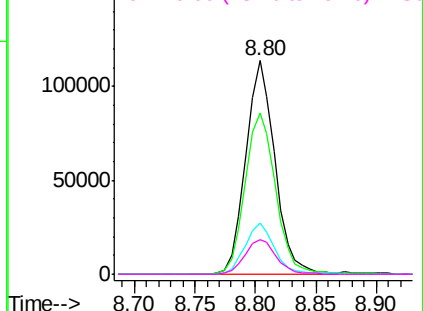
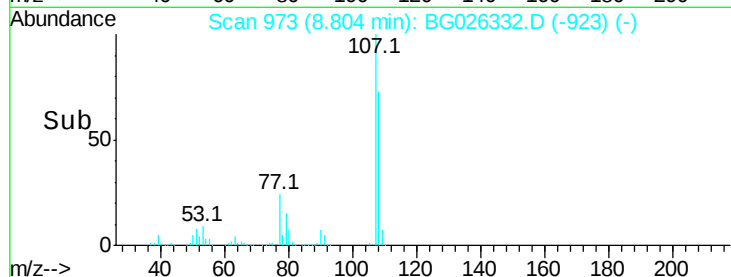
#20
3+4-Methylphenols
Concen: 20.41 ng
RT: 8.80 min Scan# 973
Delta R.T. -0.01 min
Lab File: BG026332.D
Acq: 20 Mar 2017 18:27

Instrument :
BNA_G
ClientSampleId :
PT-ACIDS-WPDL

Tot Ion:	107	Resp:	192211
Ion	Ratio	Lower	Upper
107	100		
108	75.8	70.8	110.8
77	24.0	25.8	65.8#
79	16.2	20.1	60.1#

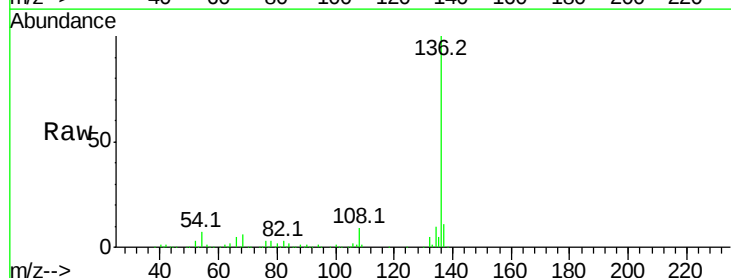


Abundance Ion 107.00 (106.70 to 107.70): E
Ion 108.00 (107.70 to 108.70): E
Ion 77.00 (76.70 to 77.70): BGC
Ion 79.00 (78.70 to 79.70): BGC

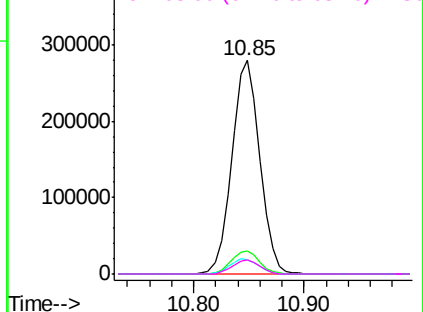
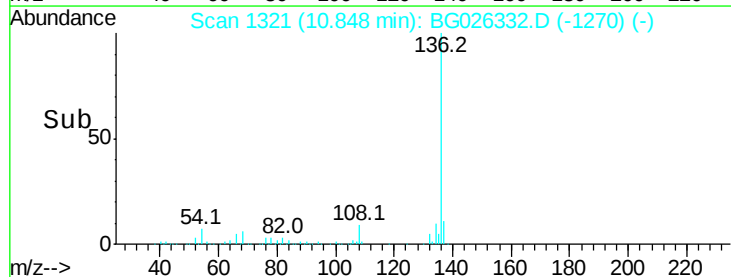


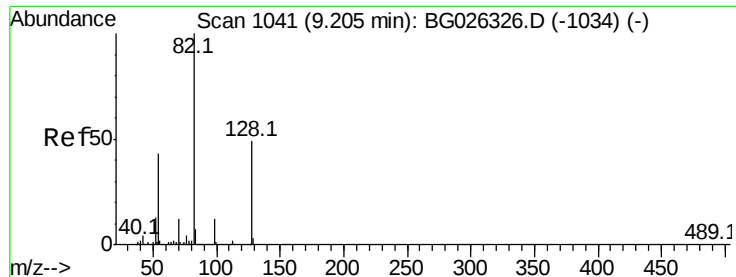
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 10.85 min Scan# 1321
Delta R.T. -0.00 min
Lab File: BG026332.D
Acq: 20 Mar 2017 18:27

Tgt Ion:	136	Resp:	493901
Ion	Ratio	Lower	Upper
136	100		
137	10.5	8.9	13.3
54	6.9	9.3	13.9#
68	6.4	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

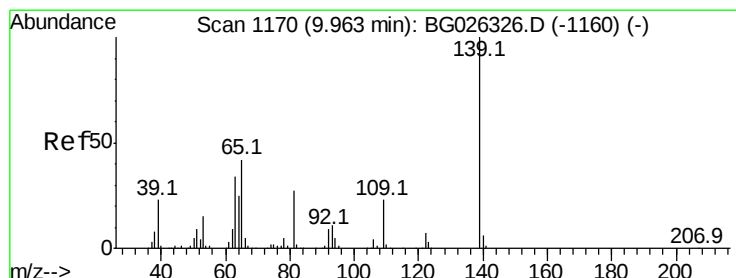
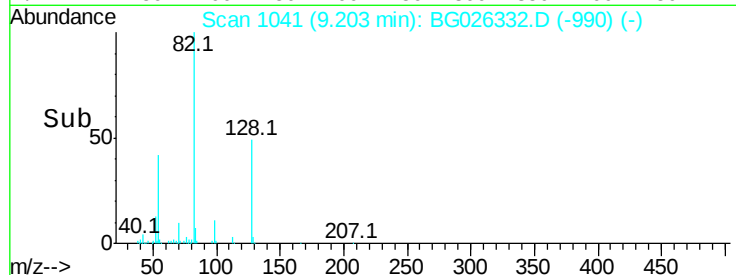
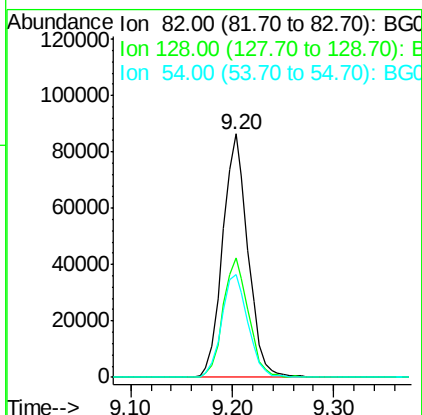
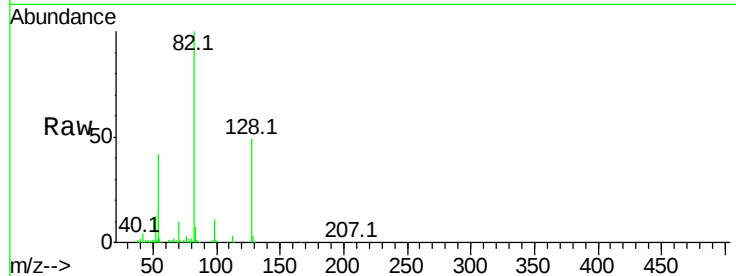




#23
Nitrobenzene-d5
Concen: 18.19 ng
RT: 9.20 min Scan# 1041
Delta R.T. -0.00 min
Lab File: BG026332.D
Acq: 20 Mar 2017 18:27

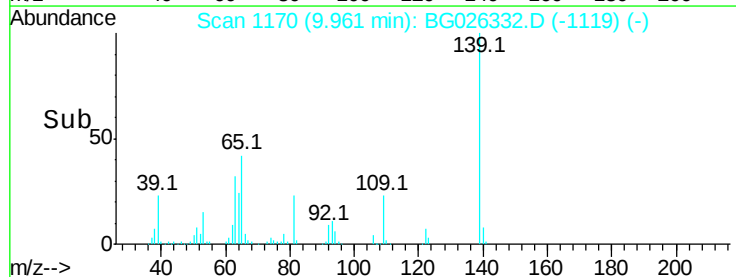
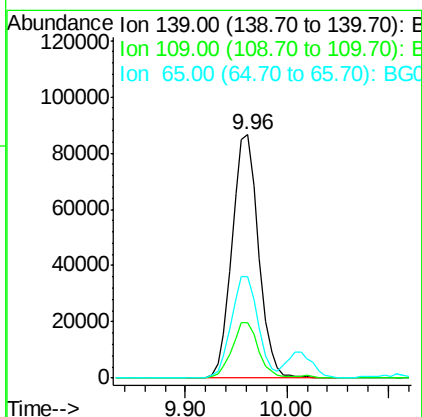
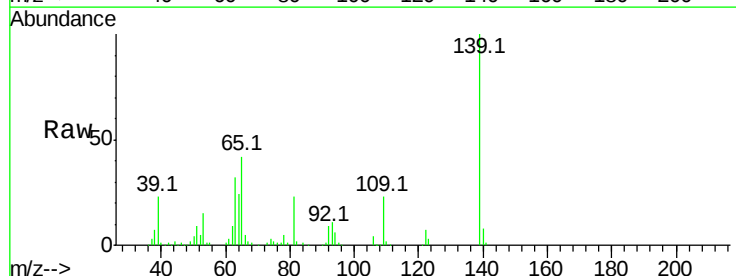
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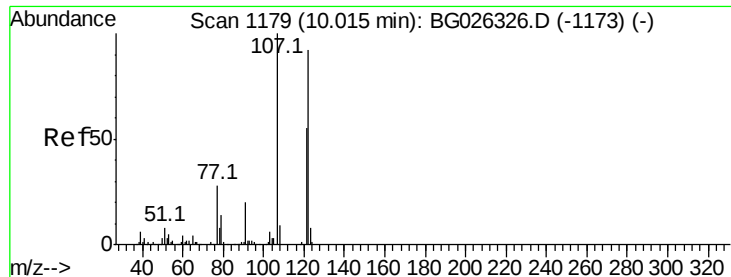
Tot Ion	82	Resp	149395
Ion	Ratio	Lower	Upper
82	100		
128	48.8	26.4	39.6#
54	42.4	49.4	74.2#



#26
2-Nitrophenol
Concen: 37.31 ng
RT: 9.96 min Scan# 1170
Delta R.T. -0.00 min
Lab File: BG026332.D
Acq: 20 Mar 2017 18:27

Tgt Ion	139	Resp	157470
Ion	Ratio	Lower	Upper
139	100		
109	22.7	38.6	58.0#
65	41.9	57.1	85.7#

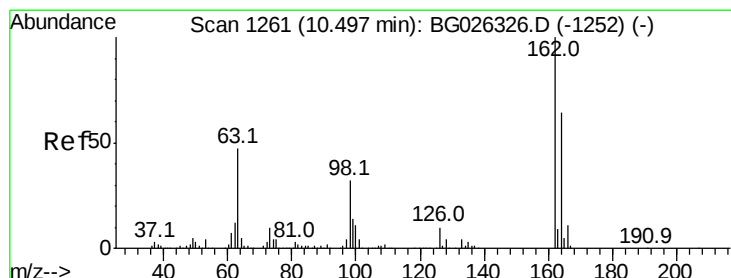
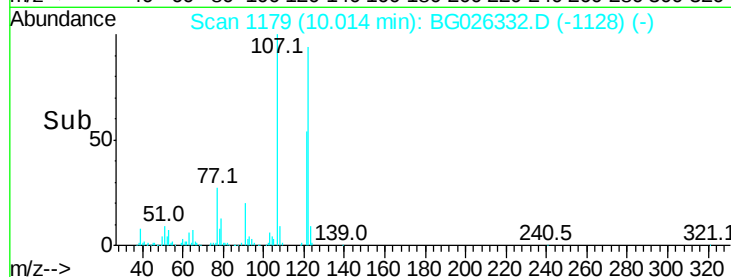
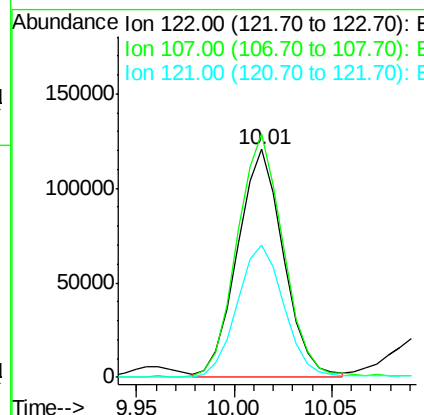
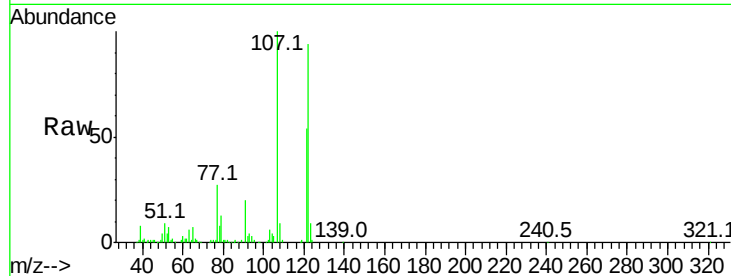




#27
2,4-Dimethylphenol
Concen: 28.30 ng
RT: 10.01 min Scan# 1179
Delta R.T. -0.00 min
Lab File: BG026332.D
Acq: 20 Mar 2017 18:27

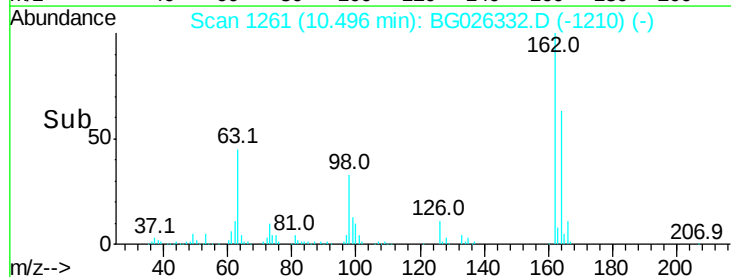
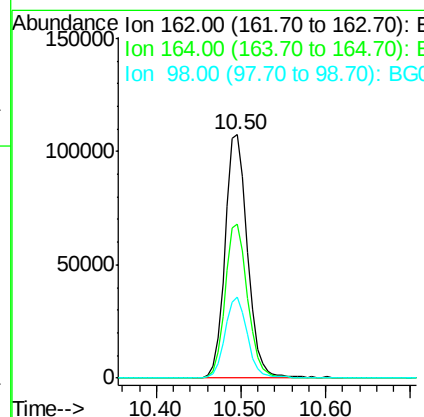
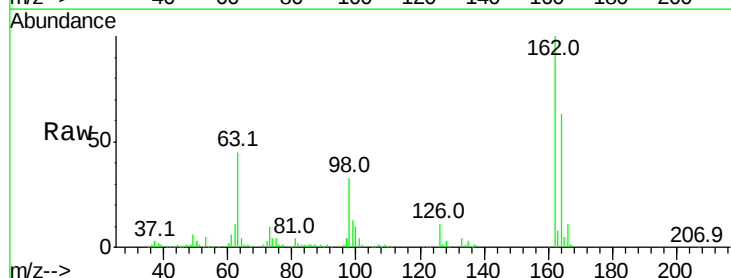
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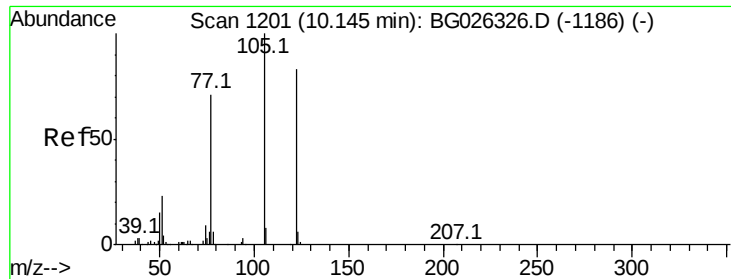
Tot Ion:122 Resp: 196062
Ion Ratio Lower Upper
122 100
107 106.8 104.2 156.4
121 58.2 46.0 69.0



#29
2,4-Dichlorophenol
Concen: 28.36 ng
RT: 10.50 min Scan# 1261
Delta R.T. -0.00 min
Lab File: BG026332.D
Acq: 20 Mar 2017 18:27

Tgt Ion:162 Resp: 198707
Ion Ratio Lower Upper
162 100
164 63.2 42.4 82.4
98 33.1 20.3 60.3





#32

Benzoic acid

Concen: 16.62 ng

RT: 10.11 min Scan# 1196

Delta R.T. -0.03 min

Lab File: BG026332.D

Acq: 20 Mar 2017 18:27

Instrument :

BNA_G

ClientSampleId :

PT-ACIDS-WPDL

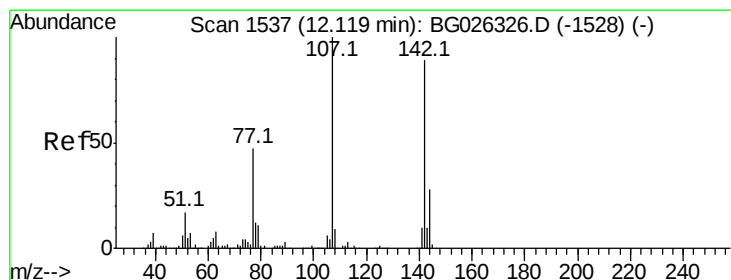
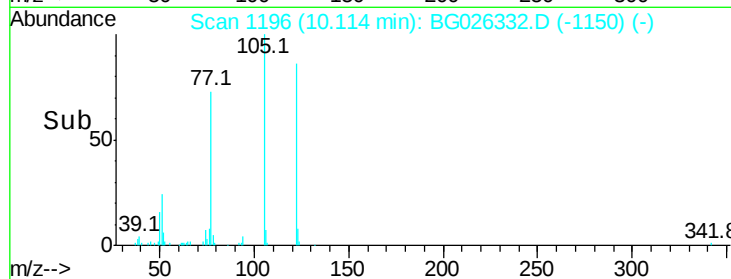
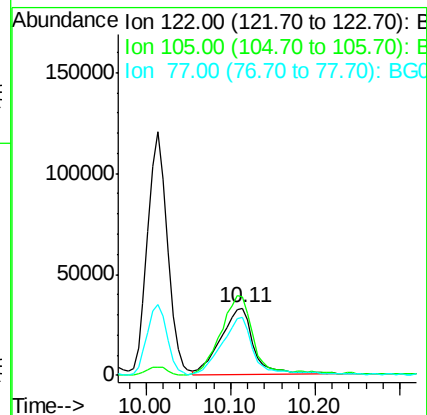
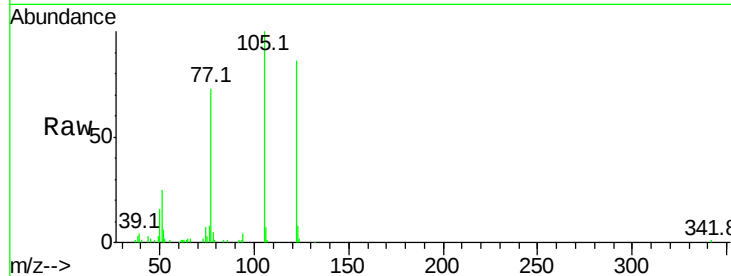
Tot Ion:122 Resp: 88579

Ion Ratio Lower Upper

122 100

105 116.9 120.1 160.1#

77 85.4 104.6 144.6#



#36

4-Chloro-3-methylphenol

Concen: 7.34 ng

RT: 12.12 min Scan# 1537

Delta R.T. -0.00 min

Lab File: BG026332.D

Acq: 20 Mar 2017 18:27

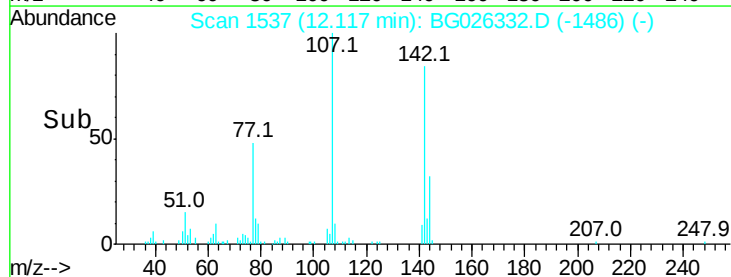
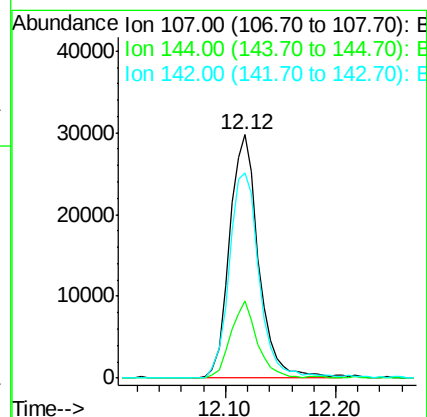
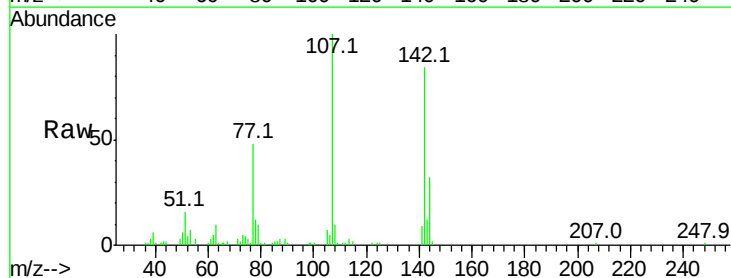
Tgt Ion:107 Resp: 55025

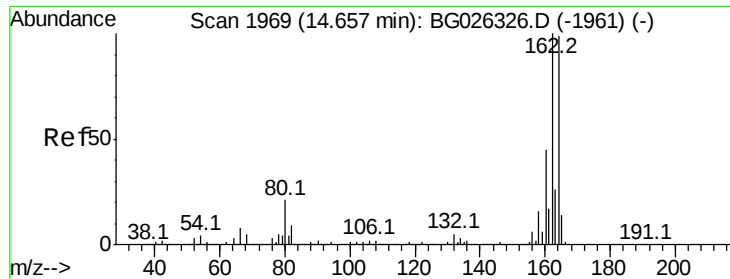
Ion Ratio Lower Upper

107 100

144 31.7 17.4 26.0#

142 84.2 54.1 81.1#

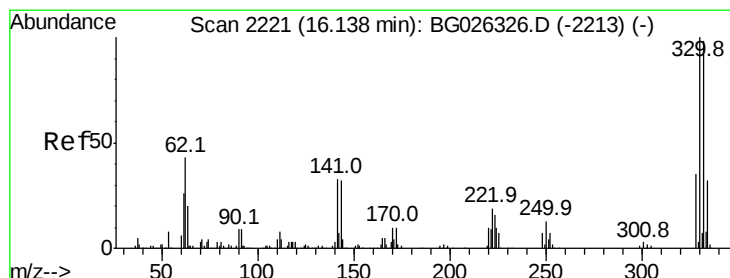
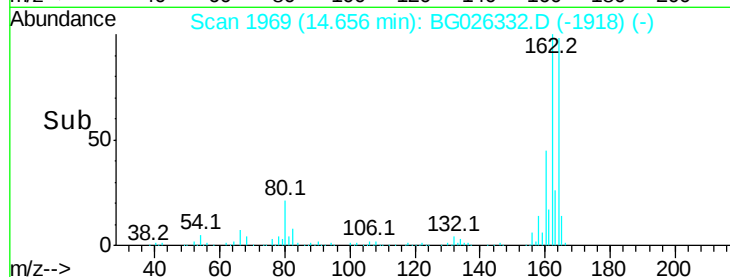
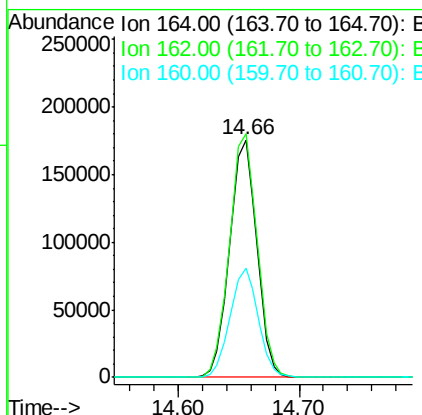
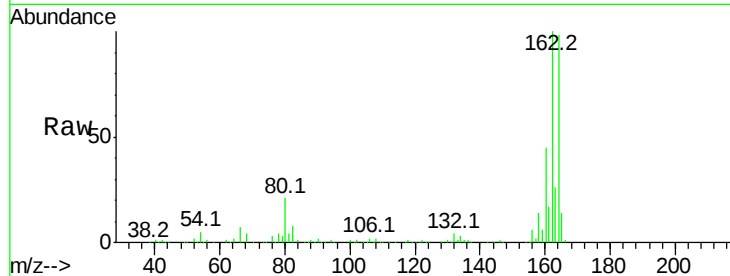




#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 14.66 min Scan# 1969
Delta R.T. -0.00 min
Lab File: BG026332.D
Acq: 20 Mar 2017 18:27

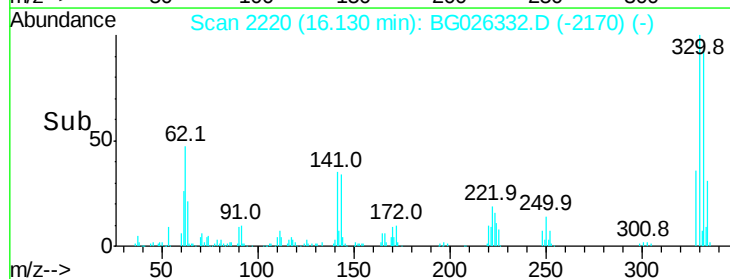
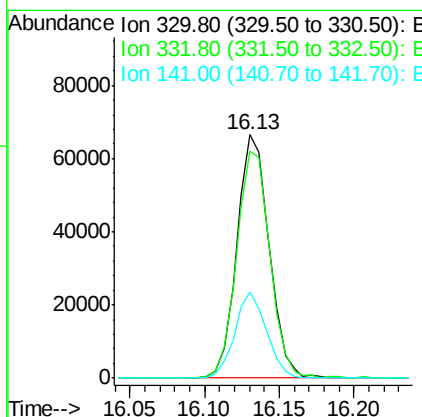
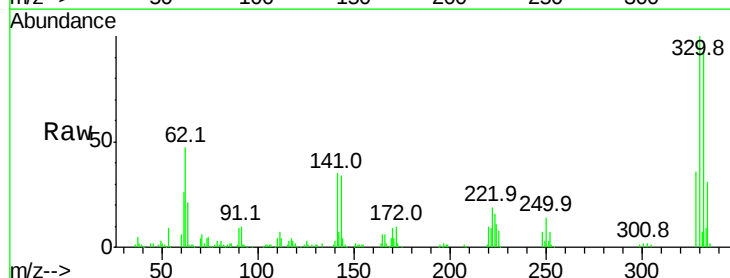
Instrument :
BNA_G
ClientSampleId :
PT-ACIDS-WPDL

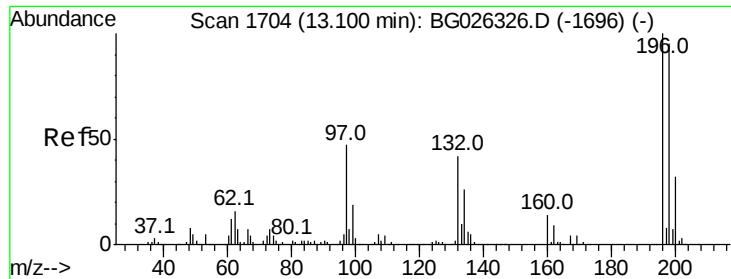
Tot Ion:164 Resp: 276426
Ion Ratio Lower Upper
164 100
162 102.4 85.1 127.7
160 45.8 34.7 52.1



#41
2,4,6-Tribromophenol
Concen: 31.32 ng
RT: 16.13 min Scan# 2220
Delta R.T. -0.01 min
Lab File: BG026332.D
Acq: 20 Mar 2017 18:27

Tgt Ion:330 Resp: 99158
Ion Ratio Lower Upper
330 100
332 96.6 77.3 115.9
141 34.9 32.1 48.1

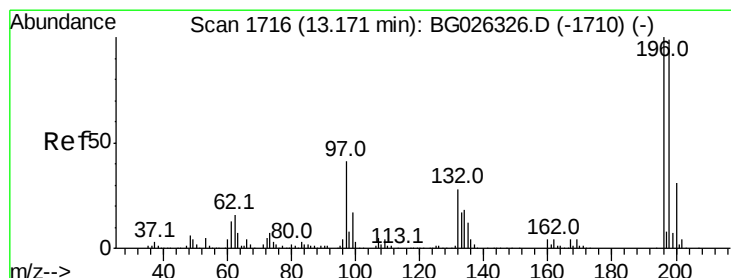
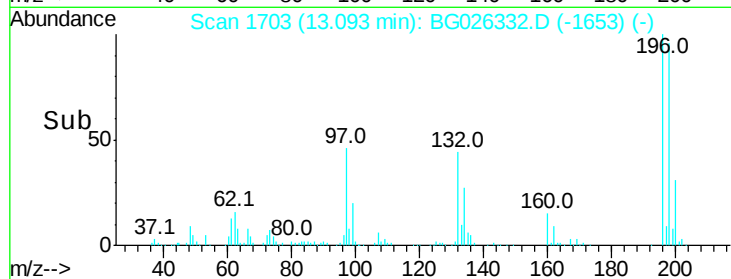
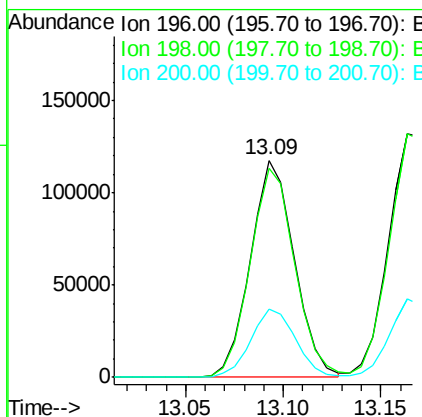
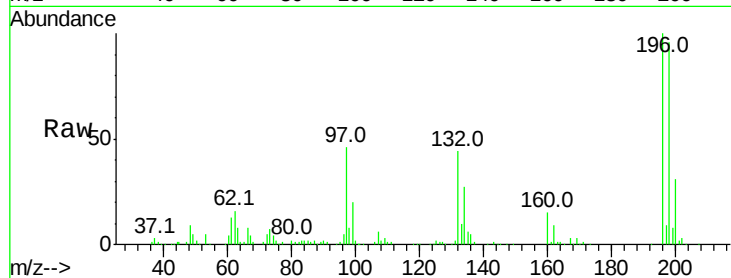




#42
 2,4,6-Trichlorophenol
 Concen: 33.63 ng
 RT: 13.09 min Scan# 1703
 Delta R.T. -0.01 min
 Lab File: BG026332.D
 Acq: 20 Mar 2017 18:27

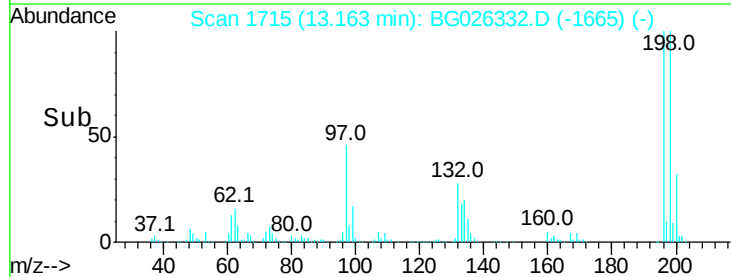
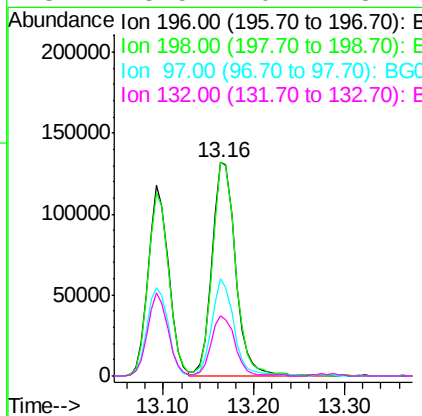
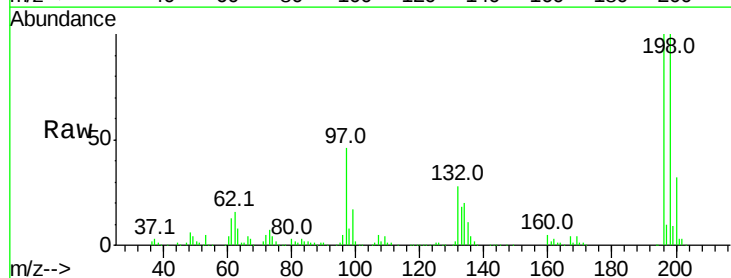
Instrument :
 BNA_G
 ClientSampleId :
 PT-ACIDS-WPDL

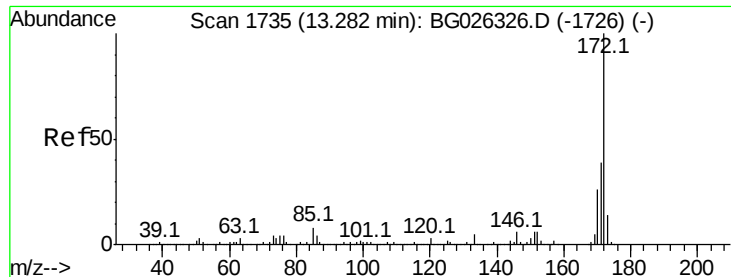
Tot Ion:196 Resp: 183140
 Ion Ratio Lower Upper
 196 100
 198 96.4 81.4 122.2
 200 31.4 27.0 40.6



#43
 2,4,5-Trichlorophenol
 Concen: 39.41 ng
 RT: 13.16 min Scan# 1715
 Delta R.T. -0.01 min
 Lab File: BG026332.D
 Acq: 20 Mar 2017 18:27

Tgt Ion:196 Resp: 237193
 Ion Ratio Lower Upper
 196 100
 198 100.2 79.9 119.9
 97 45.7 45.4 68.0
 132 28.5 20.7 31.1

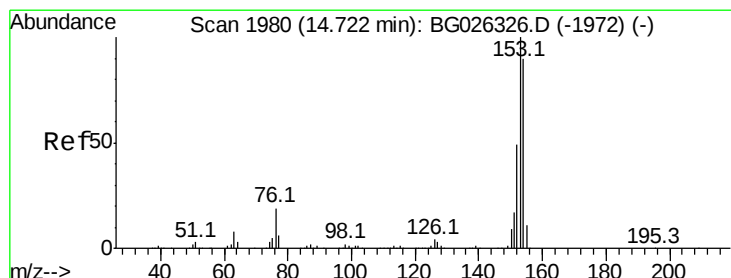
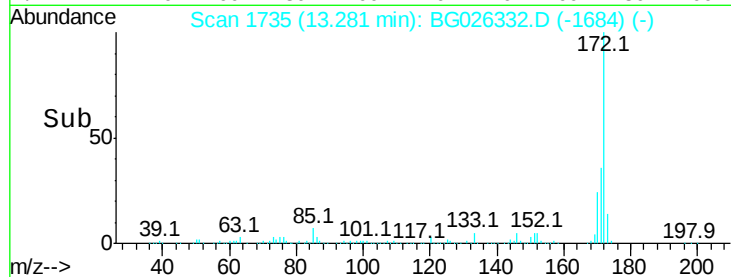
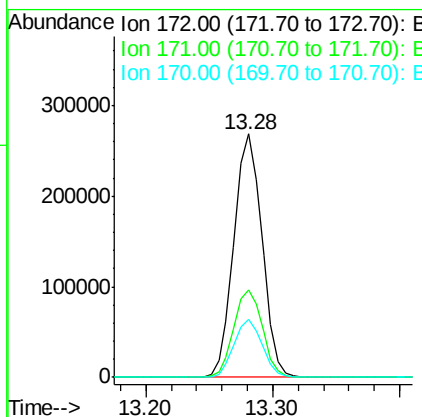
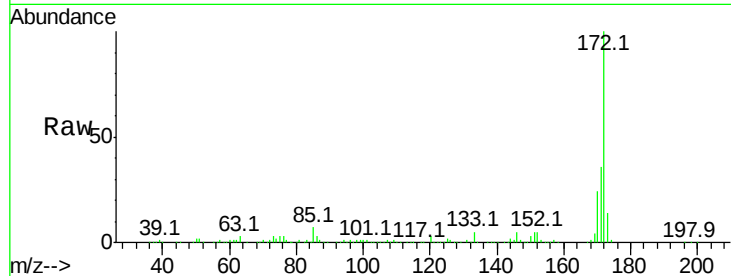




#44
2-Fluorobiphenyl
Concen: 20.92 ng
RT: 13.28 min Scan# 1735
Delta R.T. -0.00 min
Lab File: BG026332.D
Acq: 20 Mar 2017 18:27

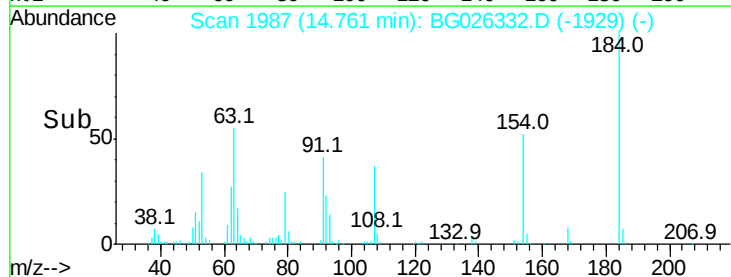
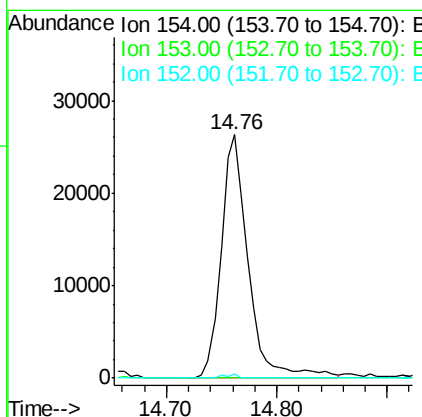
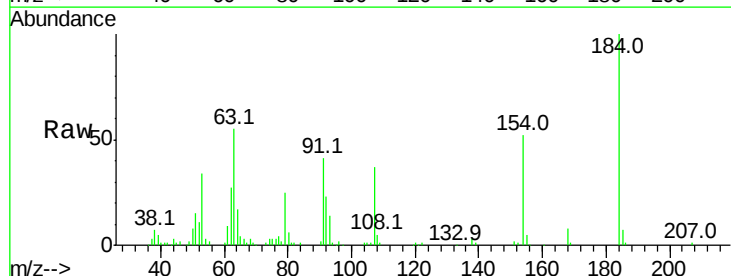
Instrument :
BNA_G
ClientSampleId :
PT-ACIDS-WPDL

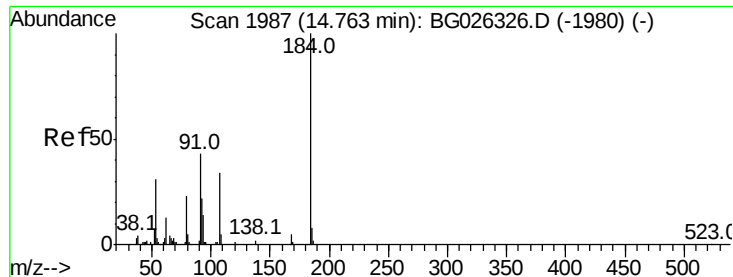
Tot Ion:172 Resp: 412327
Ion Ratio Lower Upper
172 100
171 35.9 32.2 48.2
170 23.7 21.8 32.6



#51
Acenaphthene
Concen: 2.49 ng
RT: 14.76 min Scan# 1987
Delta R.T. 0.04 min
Lab File: BG026332.D
Acq: 20 Mar 2017 18:27

Tgt Ion:154 Resp: 44772
Ion Ratio Lower Upper
154 100
153 0.0 87.8 131.6#
152 1.7 42.2 63.4#

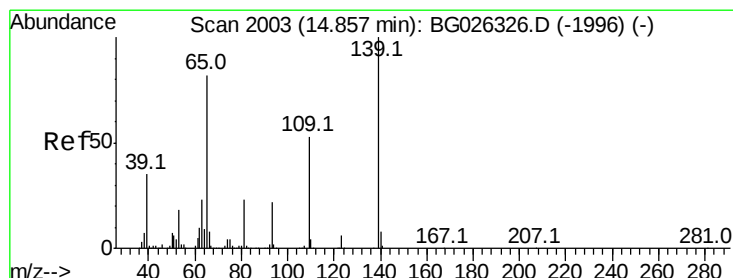
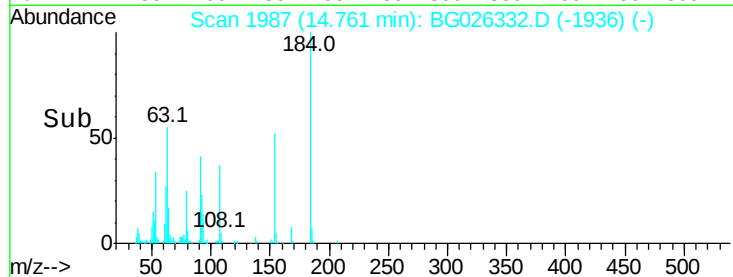
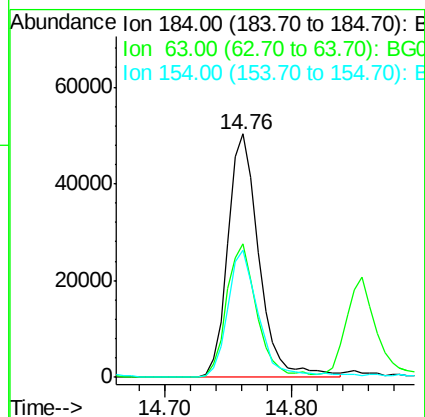
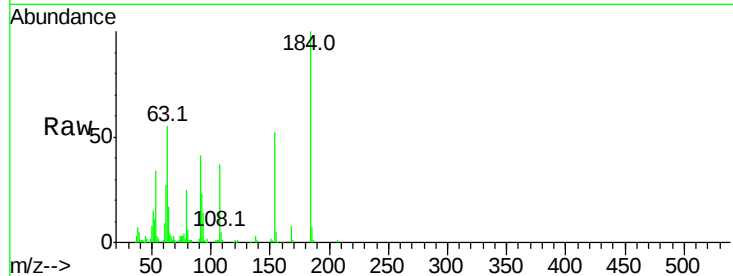




#53
2,4-Dinitrophenol
Concen: 30.23 ng
RT: 14.76 min Scan# 1987
Delta R.T. -0.00 min
Lab File: BG026332.D
Acq: 20 Mar 2017 18:27

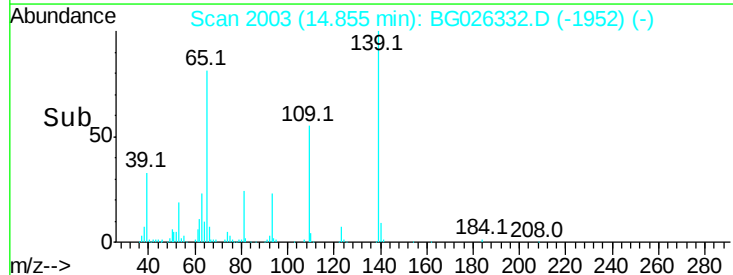
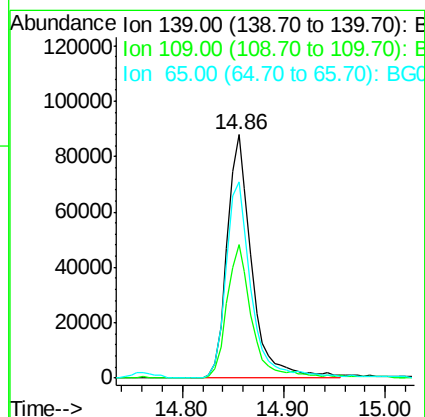
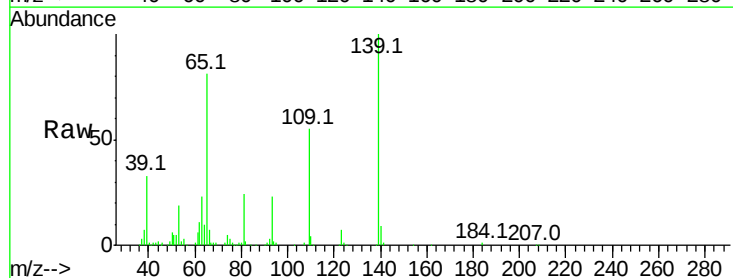
Instrument :
BNA_G
ClientSampleId :
PT-ACIDS-WPDL

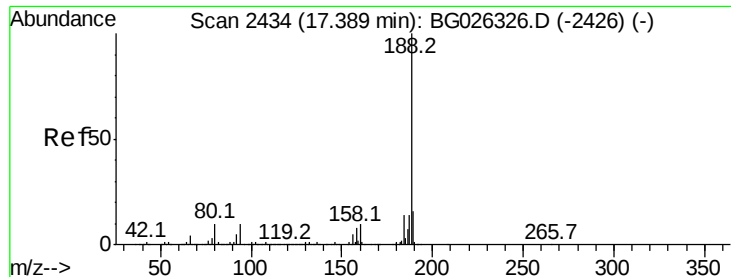
Tot Ion:184 Resp: 85386
Ion Ratio Lower Upper
184 100
63 54.6 52.7 79.1
154 52.3 57.3 85.9#



#55
4-Nitrophenol
Concen: 33.89 ng
RT: 14.86 min Scan# 2003
Delta R.T. -0.00 min
Lab File: BG026332.D
Acq: 20 Mar 2017 18:27

Tgt Ion:139 Resp: 148792
Ion Ratio Lower Upper
139 100
109 54.6 101.2 141.2#
65 80.7 135.3 175.3#





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 17.39 min Scan# 2434

Delta R.T. -0.00 min

Lab File: BG026332.D

Acq: 20 Mar 2017 18:27

Instrument :

BNA_G

ClientSampleId :

PT-ACIDS-WPDL

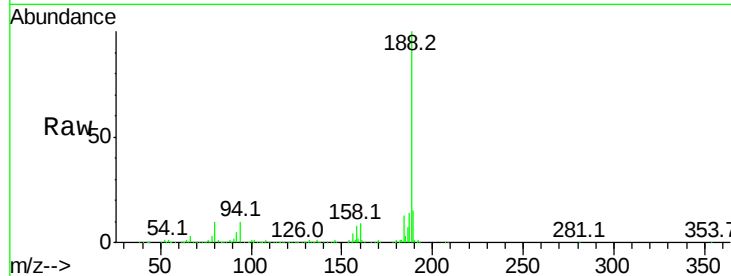
Tot Ion:188 Resp: 660888

Ion Ratio Lower Upper

188 100

94 9.7 5.8 8.8#

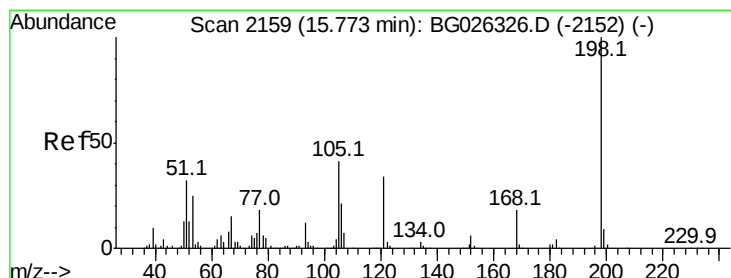
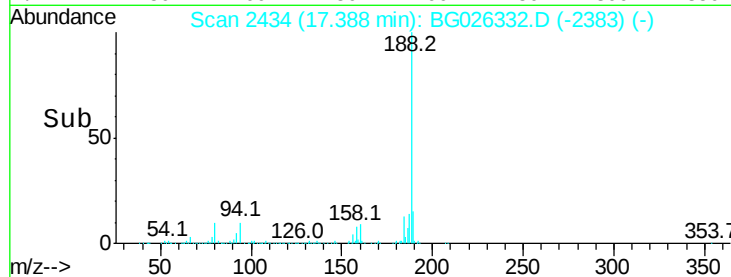
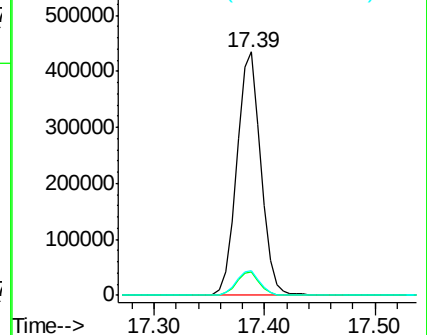
80 10.0 7.5 11.3



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: 27.34 ng

RT: 15.77 min Scan# 2159

Delta R.T. -0.00 min

Lab File: BG026332.D

Acq: 20 Mar 2017 18:27

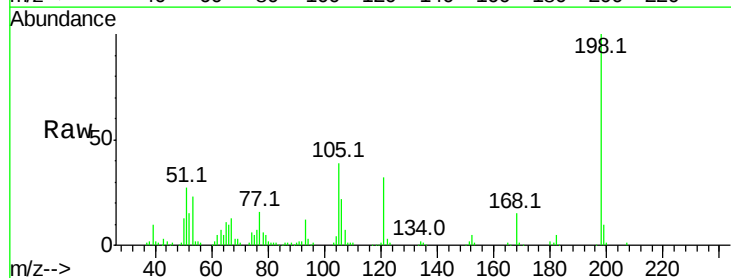
Tgt Ion:198 Resp: 113902

Ion Ratio Lower Upper

198 100

51 27.2 22.6 62.6

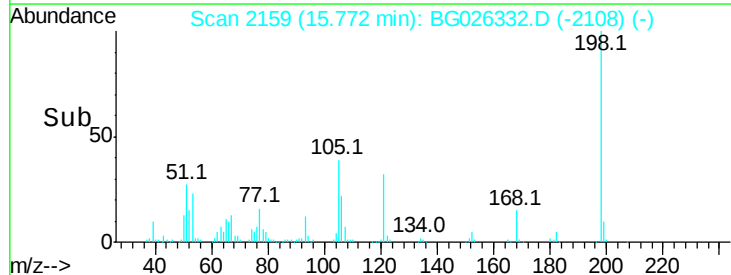
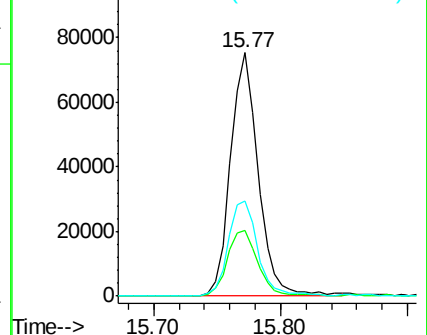
105 39.1 14.4 54.4

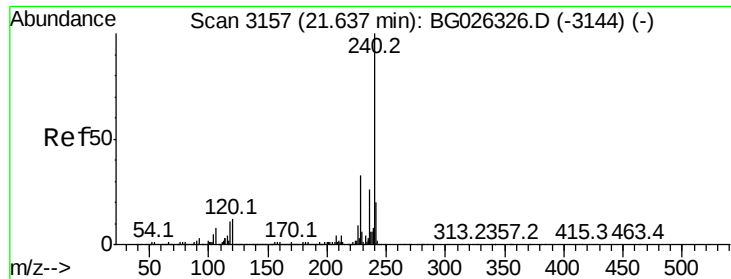


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BGC

Ion 105.00 (104.70 to 105.70): E





#75

Chrysene-d12

Concen: 20.00 ng

RT: 21.63 min Scan# 3156

Delta R.T. -0.01 min

Lab File: BG026332.D

Acq: 20 Mar 2017 18:27

Instrument :

BNA_G

ClientSampleId :

PT-ACIDS-WPDL

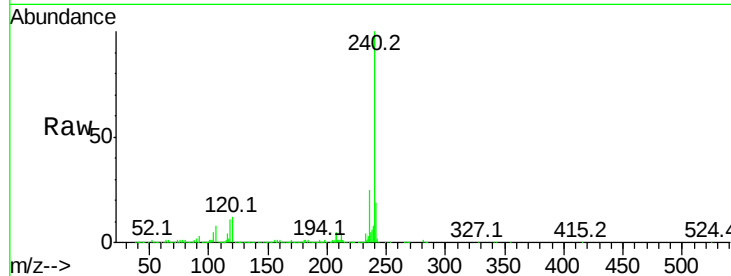
Tot Ion:240 Resp: 837247

Ion Ratio Lower Upper

240 100

120 12.2 5.7 8.5#

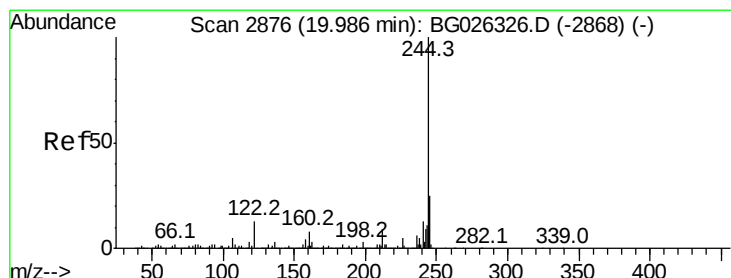
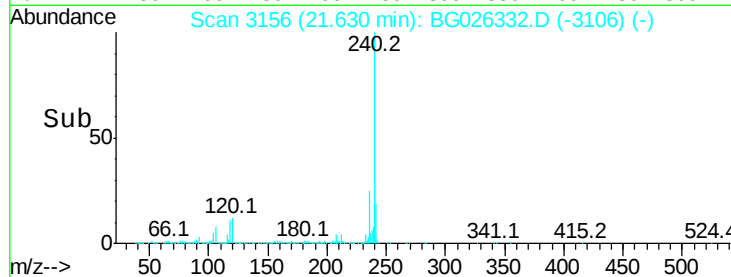
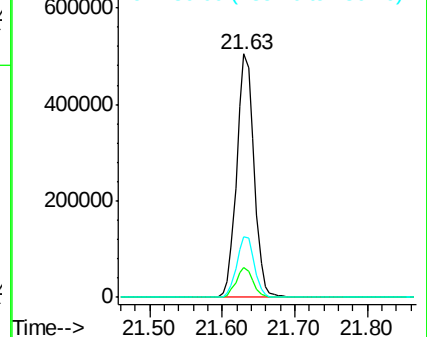
236 24.8 22.2 33.4



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: 18.41 ng

RT: 19.98 min Scan# 2875

Delta R.T. -0.01 min

Lab File: BG026332.D

Acq: 20 Mar 2017 18:27

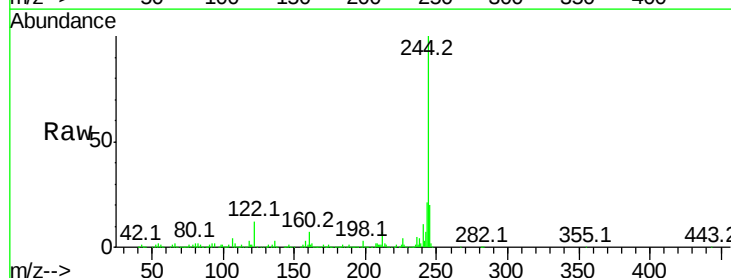
Tgt Ion:244 Resp: 634765

Ion Ratio Lower Upper

244 100

212 7.5 10.0 15.0#

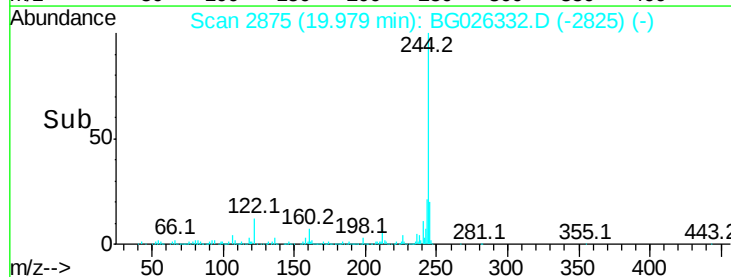
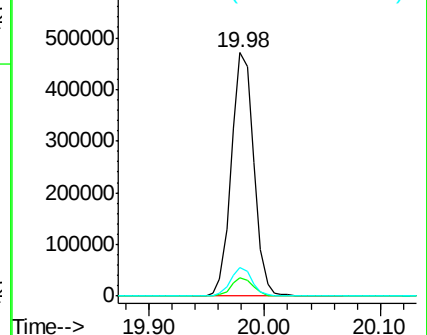
122 11.7 8.6 12.8

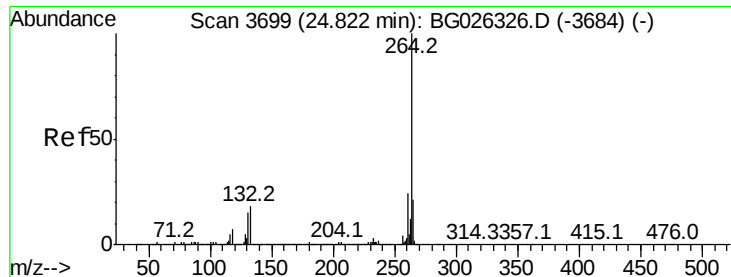


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#86
 Pervlene-d12
 Concen: 20.00 ng
 RT: 24.81 min Scan# 3698
 Delta R.T. -0.01 min
 Lab File: BG026332.D
 Acq: 20 Mar 2017 18:27

Instrument :
 BNA_G
 ClientSampleId :
 PT-ACIDS-WPDL

Tot Ion:	264	Resp:	825167
Ion	Ratio	Lower	Upper
264	100		
260	24.3	21.8	32.8
265	21.5	18.2	27.4

