

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG092316\
 Data File : BG024094.D
 Acq On : 23 Sep 2016 19:25
 Operator : UM/SJ
 Sample : H4803-06DL 5X
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 PT-ACIDS-WPDL

Quant Time: Sep 24 00:54:06 2016
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG092316.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Sep 23 15:35:28 2016
 Response via : Initial Calibration

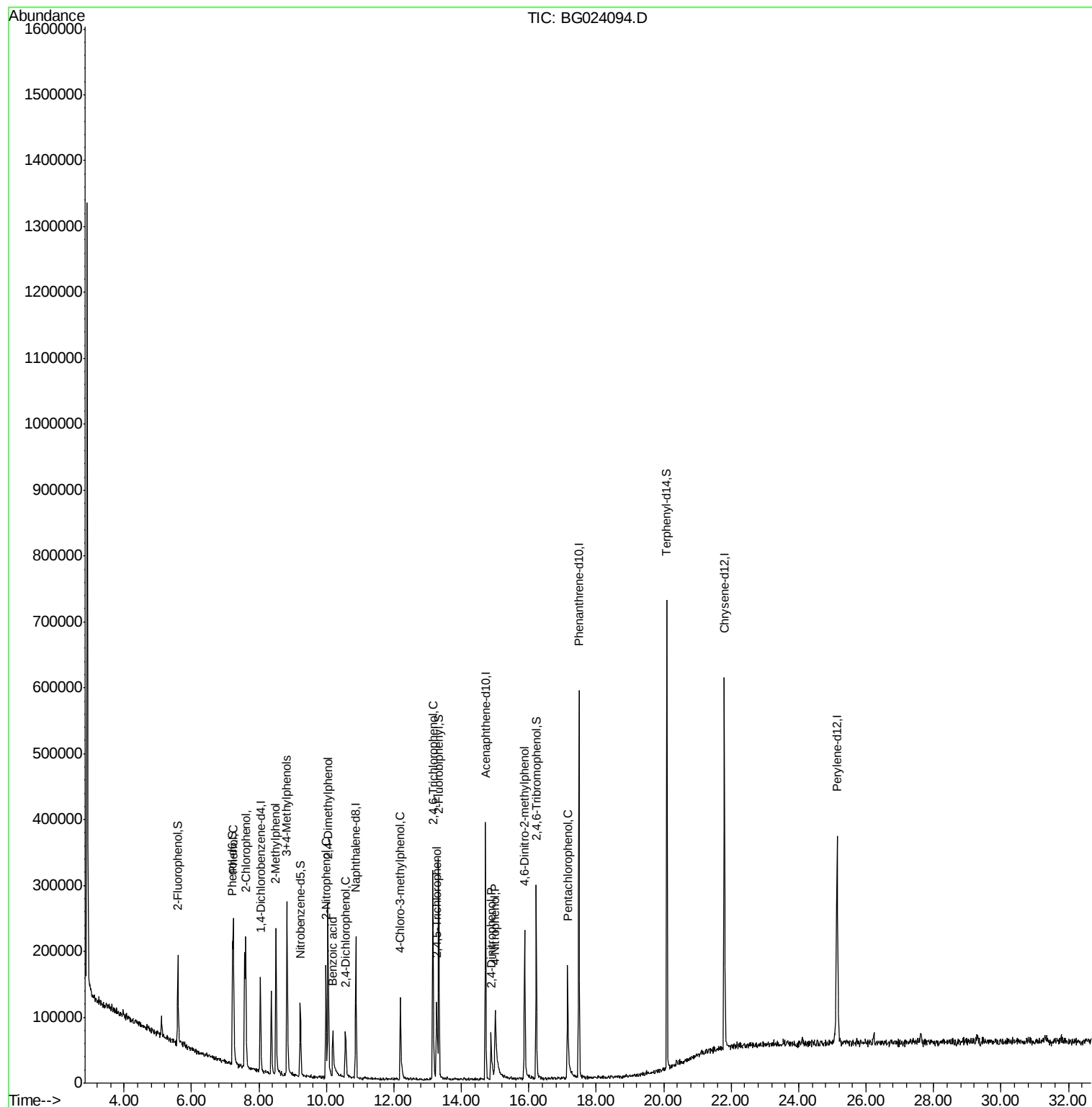
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.04	152	35883	20.00	ng	0.00
21) Naphthalene-d8	10.87	136	166187	20.00	ng	0.00
38) Acenaphthene-d10	14.72	164	140923	20.00	ng	0.00
63) Phenanthrene-d10	17.48	188	342257	20.00	ng	0.00
75) Chrysene-d12	21.79	240	394721	20.00	ng	0.00
86) Perylene-d12	25.14	264	367924	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.59	112	55423	26.76	ng	0.00
7) Phenol-d6	7.21	99	94137	27.01	ng	0.00
23) Nitrobenzene-d5	9.22	82	73406	17.41	ng	0.00
41) 2,4,6-Tribromophenol	16.22	330	52792	26.06	ng	0.00
44) 2-Fluorobiphenyl	13.32	172	156931	18.72	ng	0.00
78) Terphenyl-d14	20.09	244	320975	16.65	ng	0.00
Target Compounds						Qvalue
8) 2-Chlorophenol	7.60	128	79907	32.23	ng	95
10) Phenol	7.24	94	118356	32.30	ng	95
17) 2-Methylphenol	8.50	107	59760	24.53	ng	99
20) 3+4-Methylphenols	8.83	107	124816	35.28	ng	88
26) 2-Nitrophenol	9.99	139	46102	28.76	ng	93
27) 2,4-Dimethylphenol	10.05	122	76611	28.58	ng	95
29) 2,4-Dichlorophenol	10.56	162	30335	10.87	ng	96
32) Benzoic acid	10.18	122	26520	15.41	ng	# 87
36) 4-Chloro-3-methylphenol	12.19	107	56314	14.34	ng	98
42) 2,4,6-Trichlorophenol	13.16	196	83614	31.42	ng	91
43) 2,4,5-Trichlorophenol	13.27	196	46462	16.97	ng	98
53) 2,4-Dinitrophenol	14.88	184	21055	18.41	ng	85
55) 4-Nitrophenol	15.00	139	38337	25.21	ng	91
64) 4,6-Dinitro-2-methylphenol	15.88	198	53161	22.37	ng	93
69) Pentachlorophenol	17.15	266	43866	21.64	ng	93

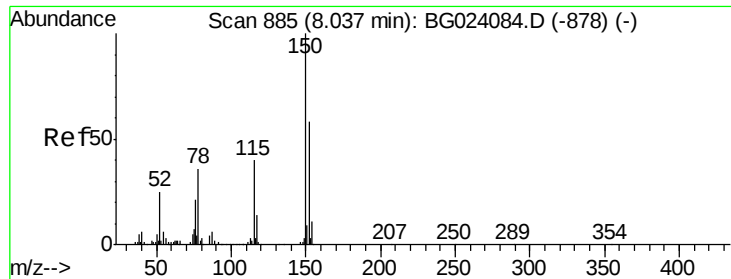
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 8.04 min Scan# 886

Delta R.T. 0.01 min

Lab File: BG024094.D

Acq: 23 Sep 2016 19:25

Instrument :

BNA_G

ClientSampleId :

PT-ACIDS-WPDL

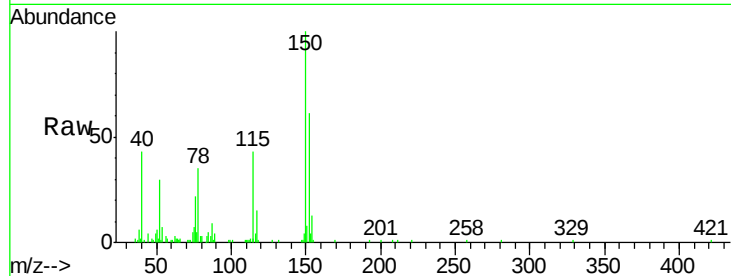
Tgt Ion:152 Resp: 35883

Ion Ratio Lower Upper

152 100

150 163.7 144.7 217.1

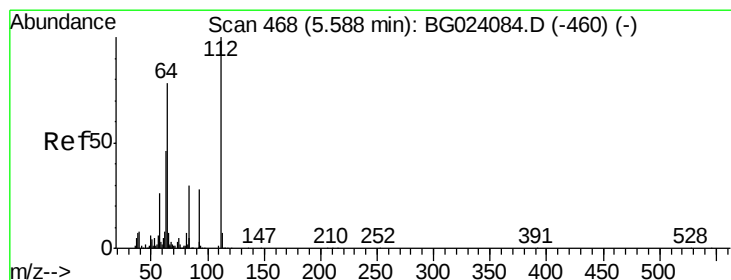
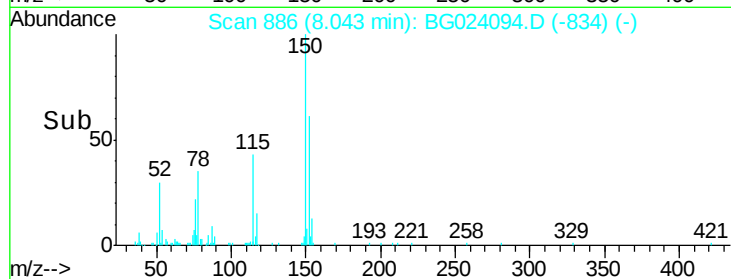
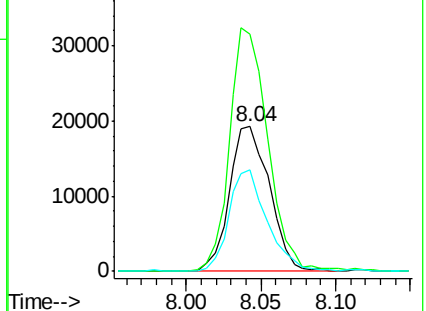
115 70.1 64.0 96.0



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol

Concen: 26.76 ng

RT: 5.59 min Scan# 469

Delta R.T. 0.01 min

Lab File: BG024094.D

Acq: 23 Sep 2016 19:25

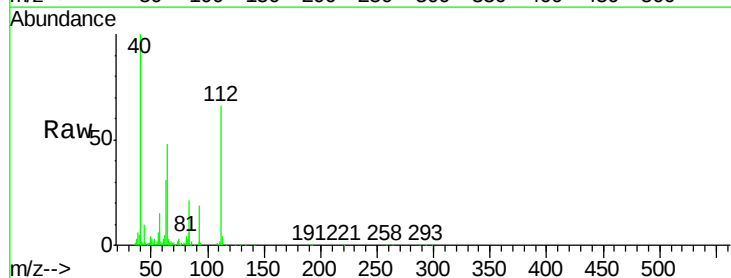
Tgt Ion:112 Resp: 55423

Ion Ratio Lower Upper

112 100

64 72.9 59.0 88.4

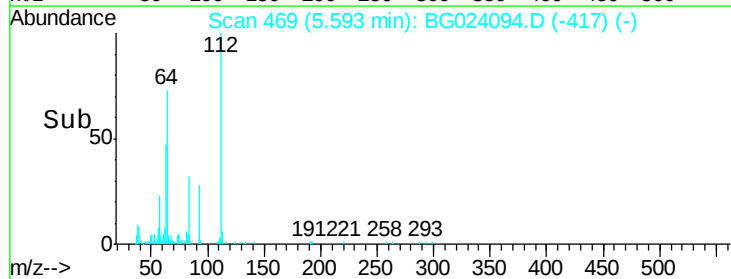
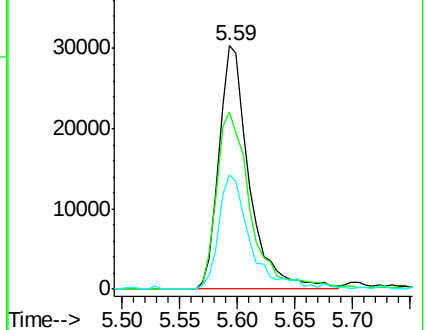
63 47.0 37.8 56.8

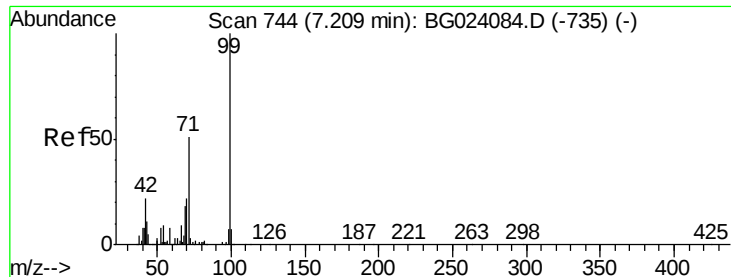


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BGC

Ion 63.00 (62.70 to 63.70): BGC





#7

Phenol-d6

Concen: 27.01 ng

RT: 7.21 min Scan# 745

Delta R.T. 0.01 min

Lab File: BG024094.D

Acq: 23 Sep 2016 19:25

Instrument :

BNA_G

ClientSampleId :

PT-ACIDS-WPDL

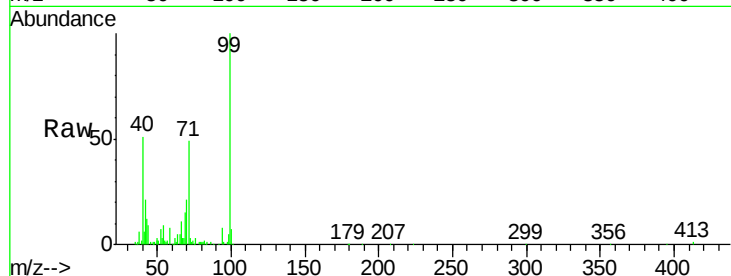
Tgt Ion: 99 Resp: 94137

Ion Ratio Lower Upper

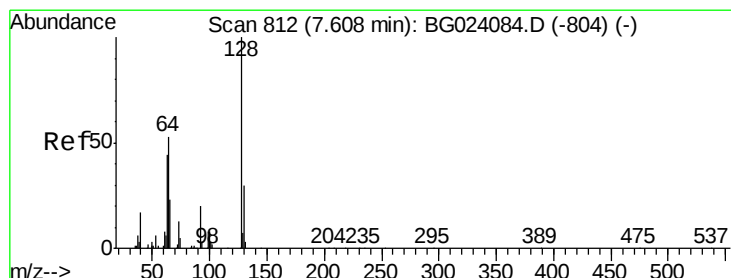
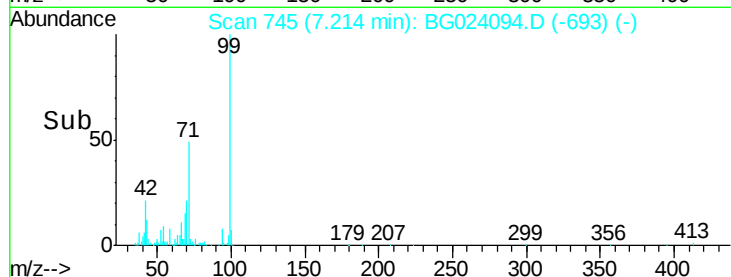
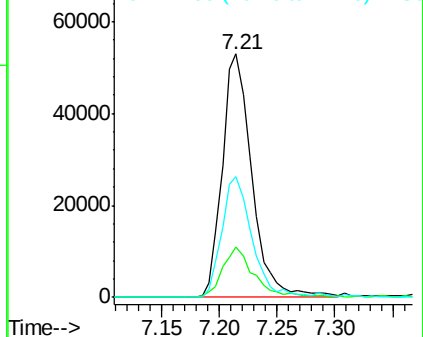
99 100

42 20.6 17.8 26.6

71 49.4 41.5 62.3



Abundance Ion 99.00 (98.70 to 99.70): BGC
Ion 42.00 (41.70 to 42.70): BGC
Ion 71.00 (70.70 to 71.70): BGC



#8

2-Chlorophenol

Concen: 32.23 ng

RT: 7.60 min Scan# 811

Delta R.T. -0.01 min

Lab File: BG024094.D

Acq: 23 Sep 2016 19:25

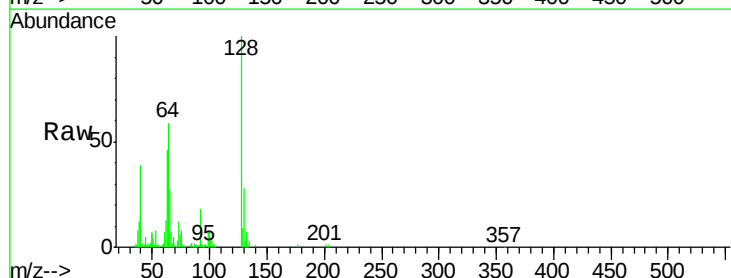
Tgt Ion: 128 Resp: 79907

Ion Ratio Lower Upper

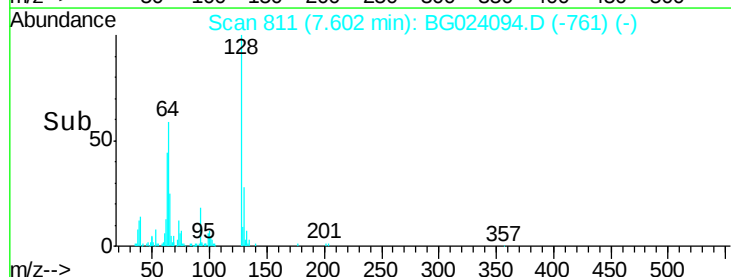
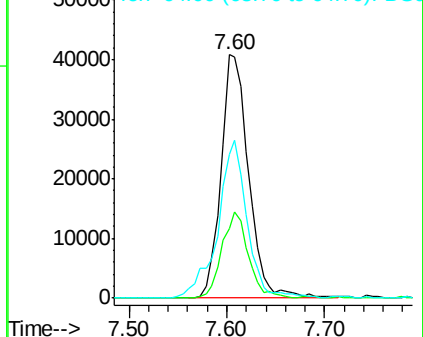
128 100

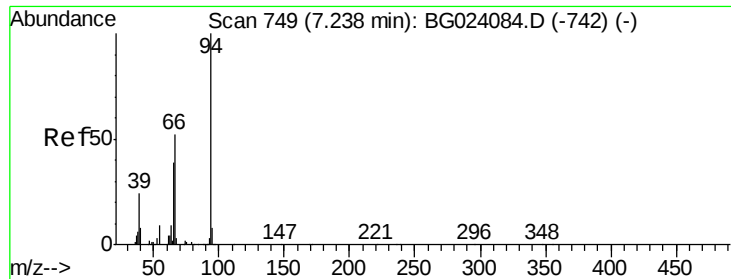
130 28.4 12.9 52.9

64 59.0 42.0 82.0



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





#10

Phenol

Concen: 32.30 ng

RT: 7.24 min Scan# 749

Delta R.T. -0.00 min

Lab File: BG024094.D

Acq: 23 Sep 2016 19:25

Instrument :

BNA_G

ClientSampleId :

PT-ACIDS-WPDL

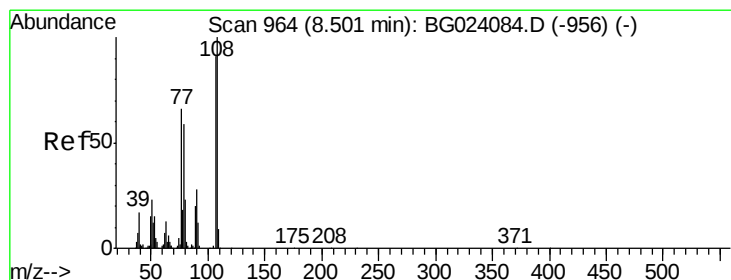
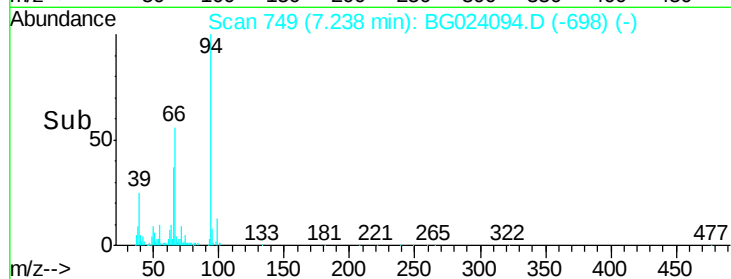
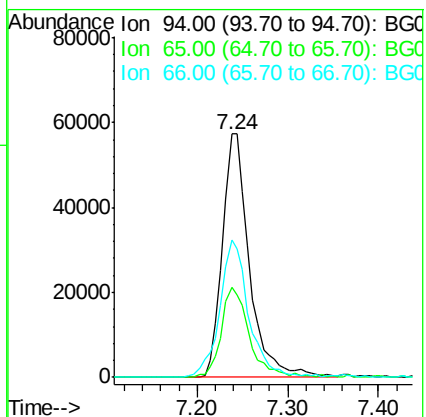
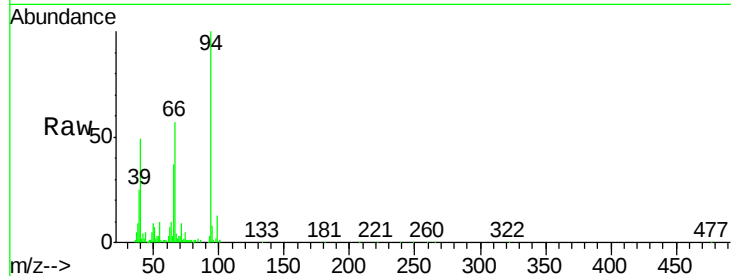
Tgt Ion: 94 Resp: 118356

Ion Ratio Lower Upper

94 100

65 37.0 18.1 58.1

66 56.7 42.1 82.1



#17

2-Methylphenol

Concen: 24.53 ng

RT: 8.50 min Scan# 964

Delta R.T. -0.00 min

Lab File: BG024094.D

Acq: 23 Sep 2016 19:25

Tgt Ion: 107 Resp: 59760

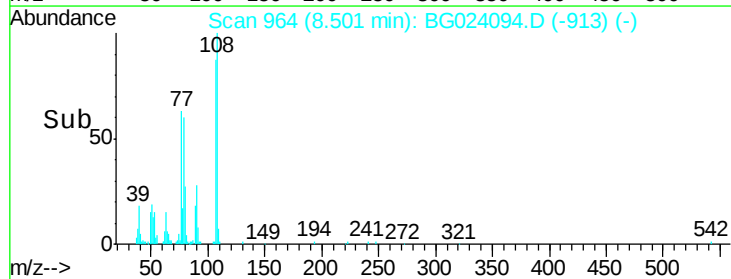
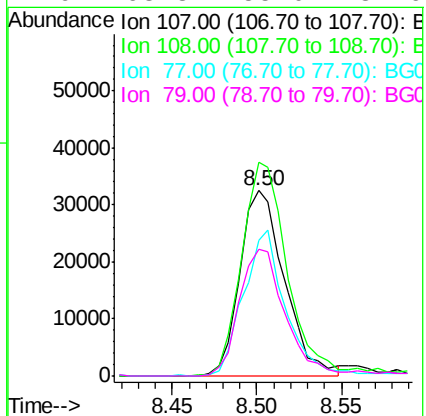
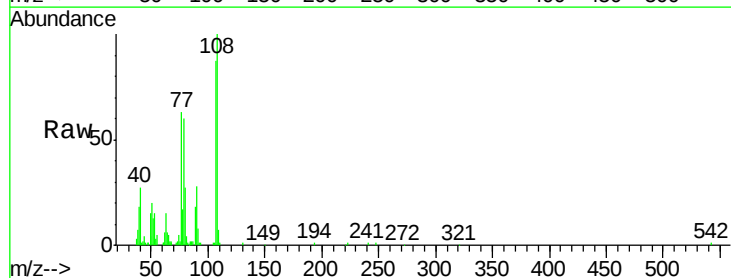
Ion Ratio Lower Upper

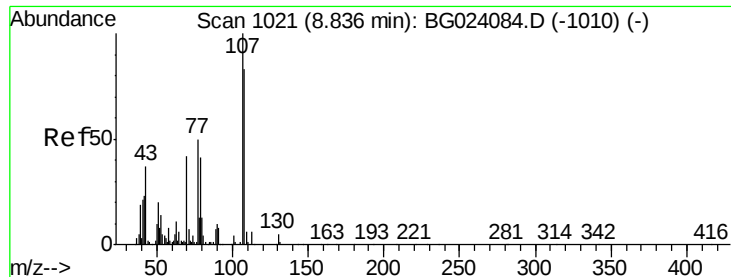
107 100

108 115.3 92.0 138.0

77 73.0 55.8 83.6

79 68.8 55.0 82.6

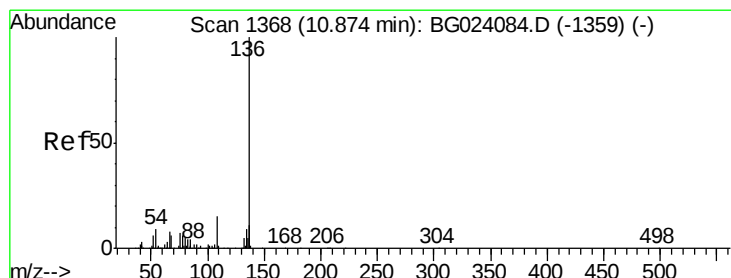
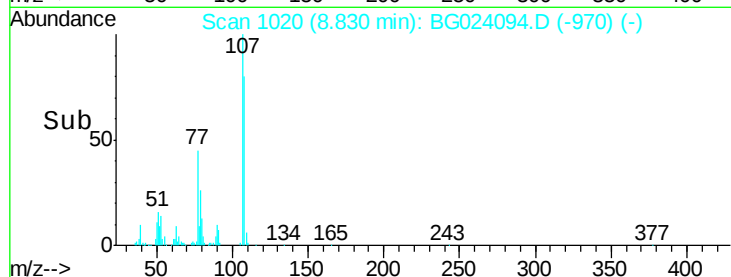
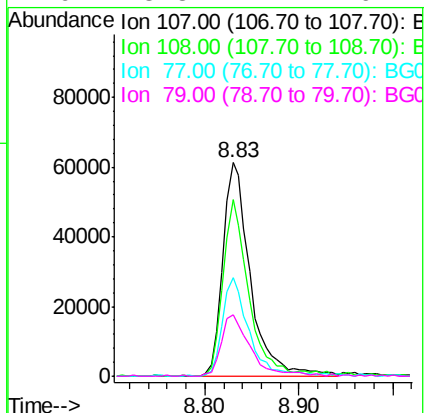
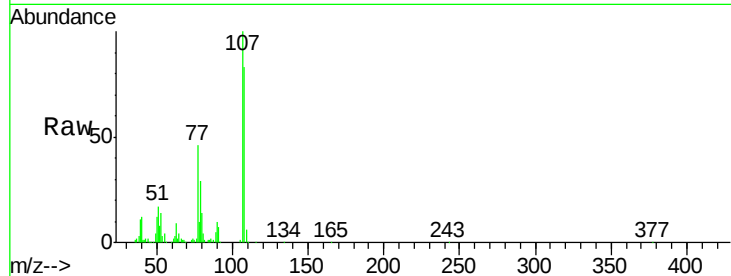




#20
 3+4-Methylphenols
 Concen: 35.28 ng
 RT: 8.83 min Scan# 1020
 Delta R.T. -0.01 min
 Lab File: BG024094.D
 Acq: 23 Sep 2016 19:25

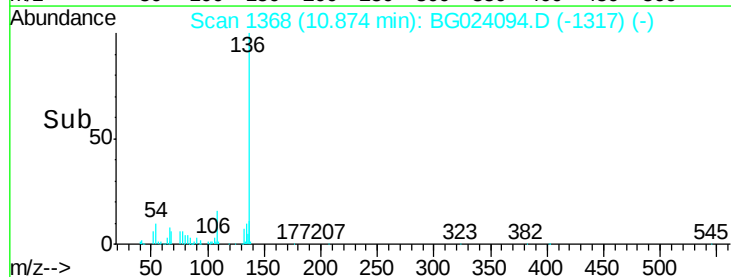
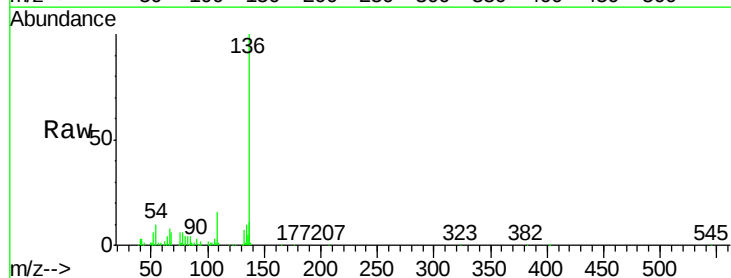
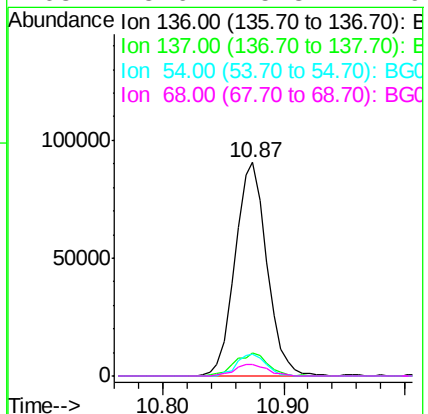
Instrument :
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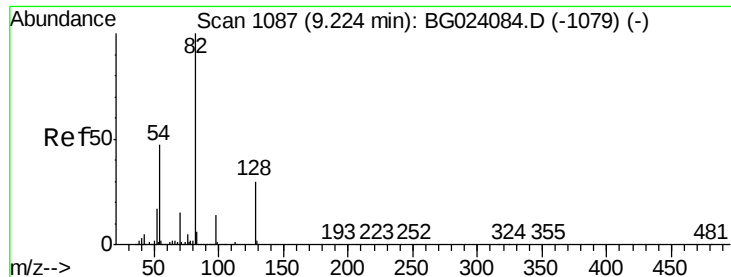
Tgt Ion:	107	Resp:	124816
Ion	Ratio	Lower	Upper
107	100		
108	82.9	72.5	112.5
77	46.2	30.1	70.1
79	28.8	24.2	64.2



#21
 Naphthalene-d8
 Concen: 20.00 ng
 RT: 10.87 min Scan# 1368
 Delta R.T. -0.00 min
 Lab File: BG024094.D
 Acq: 23 Sep 2016 19:25

Tgt Ion:	136	Resp:	166187
Ion	Ratio	Lower	Upper
136	100		
137	10.9	9.6	14.4
54	10.5	7.3	10.9
68	5.6	5.3	7.9

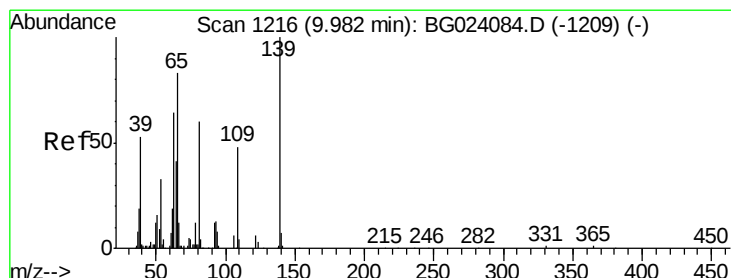
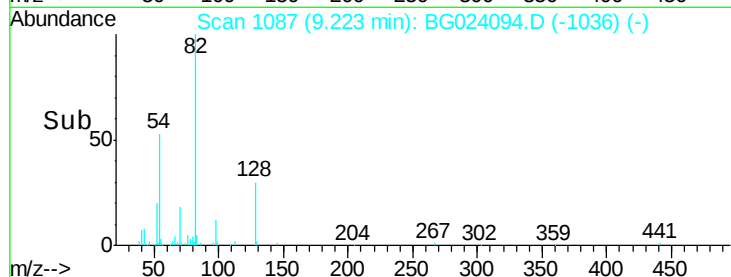
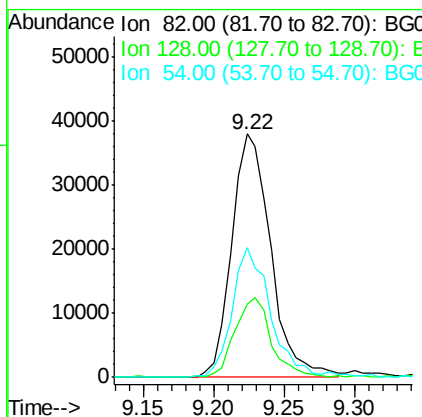
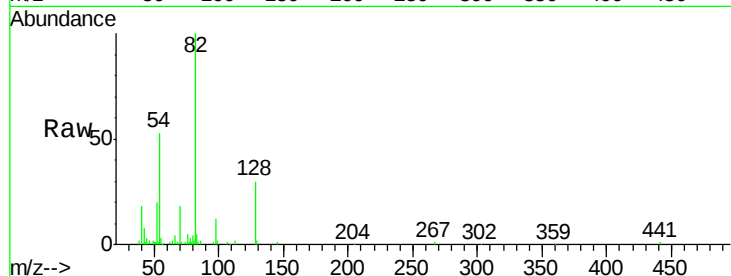




#23
Nitrobenzene-d5
Concen: 17.41 ng
RT: 9.22 min Scan# 1087
Delta R.T. -0.00 min
Lab File: BG024094.D
Acq: 23 Sep 2016 19:25

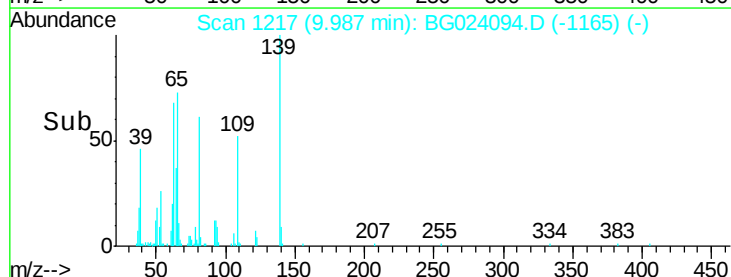
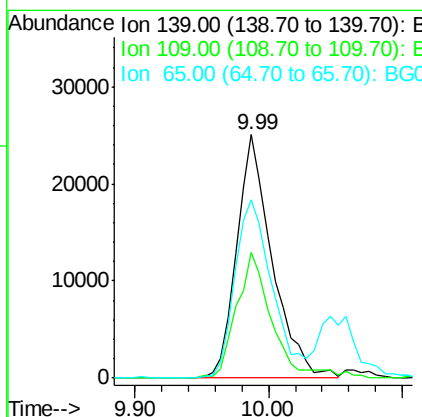
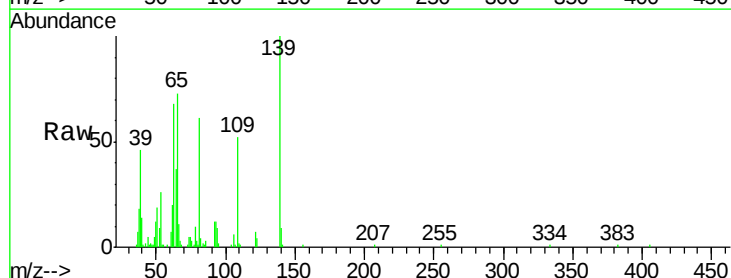
Instrument :
BNA_G
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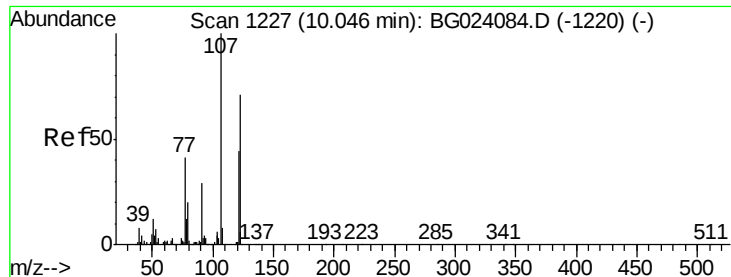
Tgt Ion: 82 Resp: 73406
Ion Ratio Lower Upper
82 100
128 30.0 24.4 36.6
54 53.3 41.4 62.0



#26
2-Nitrophenol
Concen: 28.76 ng
RT: 9.99 min Scan# 1217
Delta R.T. 0.01 min
Lab File: BG024094.D
Acq: 23 Sep 2016 19:25

Tgt Ion: 139 Resp: 46102
Ion Ratio Lower Upper
139 100
109 51.6 43.5 65.3
65 73.1 64.3 96.5

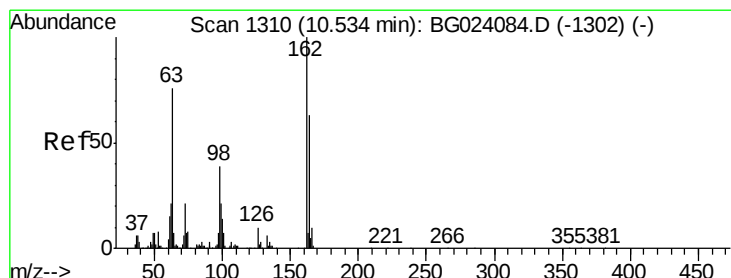
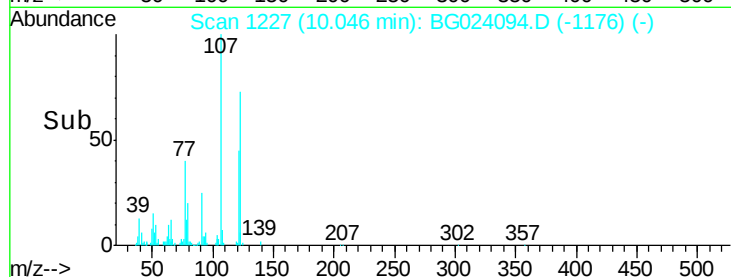
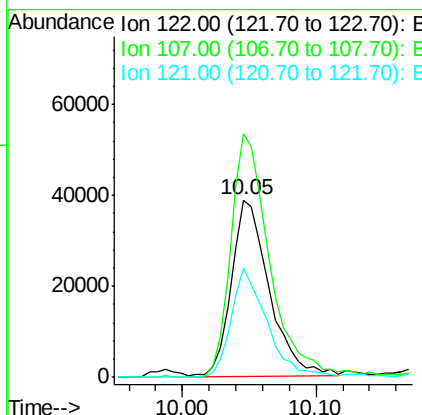
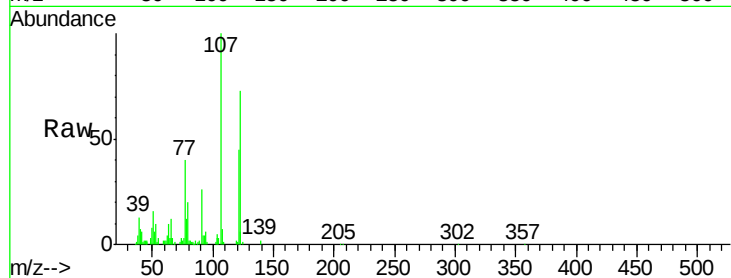




#27
 2,4-Dimethylphenol
 Concen: 28.58 ng
 RT: 10.05 min Scan# 1227
 Delta R.T. -0.00 min
 Lab File: BG024094.D
 Acq: 23 Sep 2016 19:25

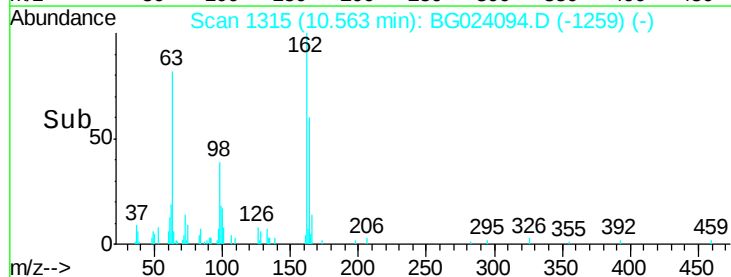
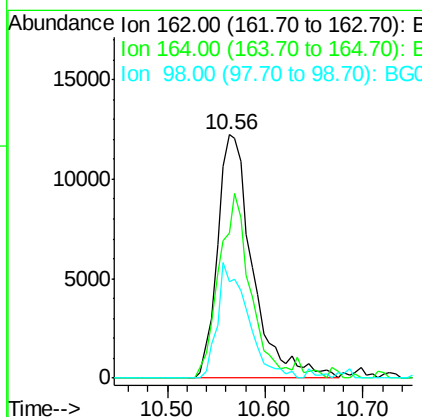
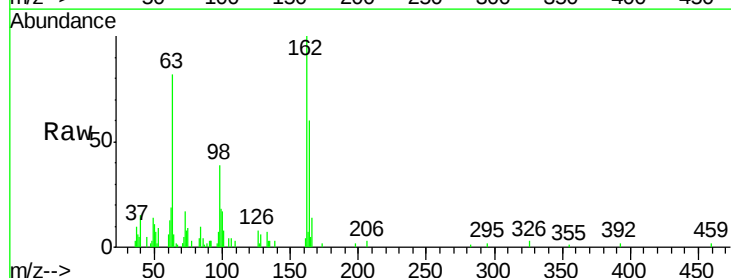
Instrument :
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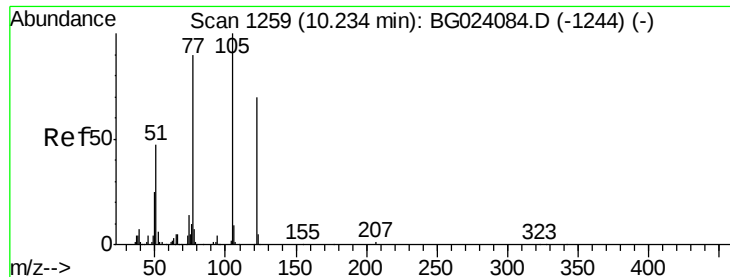
Tgt Ion:122 Resp: 76611
 Ion Ratio Lower Upper
 122 100
 107 137.5 117.0 175.4
 121 61.9 50.1 75.1



#29
 2,4-Dichlorophenol
 Concen: 10.87 ng
 RT: 10.56 min Scan# 1315
 Delta R.T. 0.03 min
 Lab File: BG024094.D
 Acq: 23 Sep 2016 19:25

Tgt Ion:162 Resp: 30335
 Ion Ratio Lower Upper
 162 100
 164 59.7 44.3 84.3
 98 39.4 19.5 59.5





#32

Benzoic acid

Concen: 15.41 ng

RT: 10.18 min Scan# 1250

Delta R.T. -0.05 min

Lab File: BG024094.D

Acq: 23 Sep 2016 19:25

Instrument :

BNA_G

ClientSampleId :

PT-ACIDS-WPDL

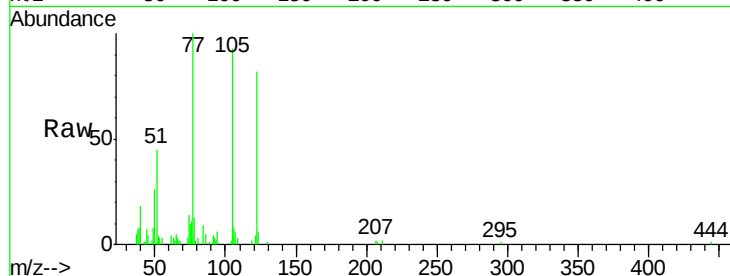
Tgt Ion:122 Resp: 26520

Ion Ratio Lower Upper

122 100

105 114.0 117.2 157.2#

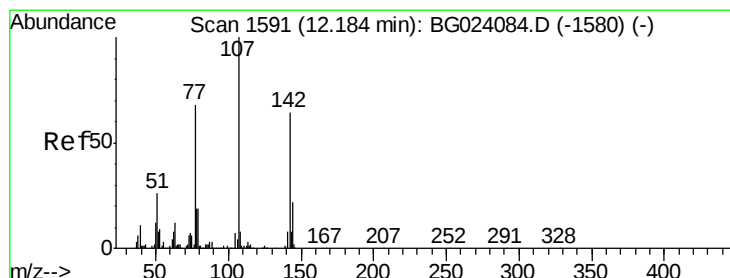
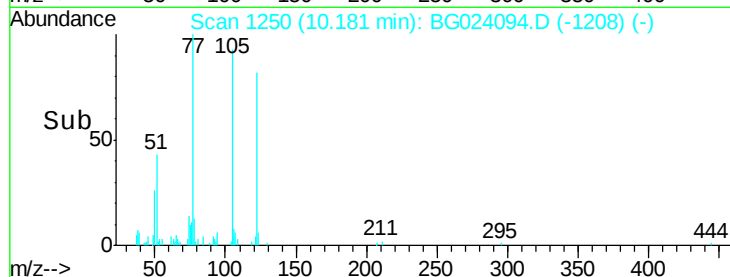
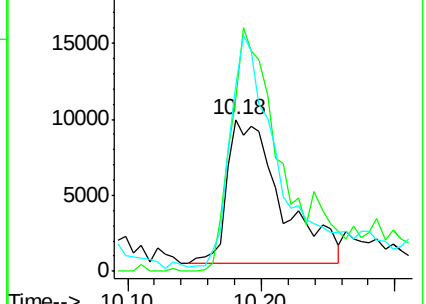
77 122.6 109.2 149.2



Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): B



#36

4-Chloro-3-methylphenol

Concen: 14.34 ng

RT: 12.19 min Scan# 1592

Delta R.T. 0.01 min

Lab File: BG024094.D

Acq: 23 Sep 2016 19:25

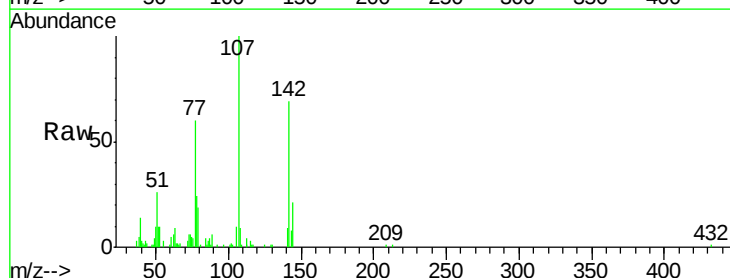
Tgt Ion:107 Resp: 56314

Ion Ratio Lower Upper

107 100

144 20.9 17.0 25.6

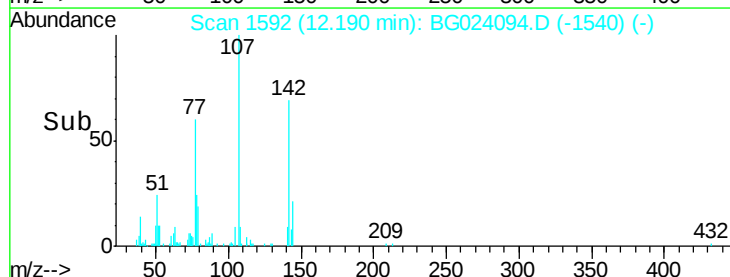
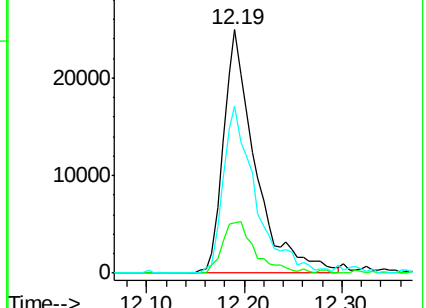
142 68.6 53.0 79.6

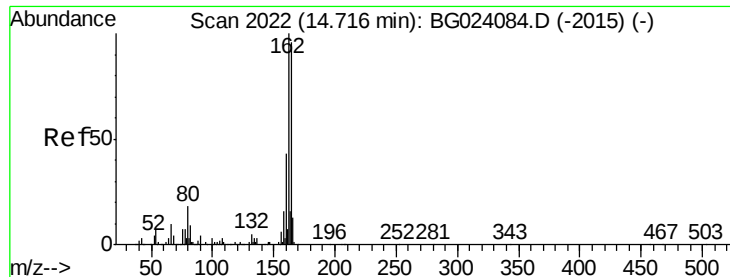


Abundance Ion 107.00 (106.70 to 107.70): E

Ion 144.00 (143.70 to 144.70): E

Ion 142.00 (141.70 to 142.70): E





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 14.72 min Scan# 2022

Delta R.T. -0.00 min

Lab File: BG024094.D

Acq: 23 Sep 2016 19:25

Instrument :

BNA_G

ClientSampleId :

PT-ACIDS-WPDL

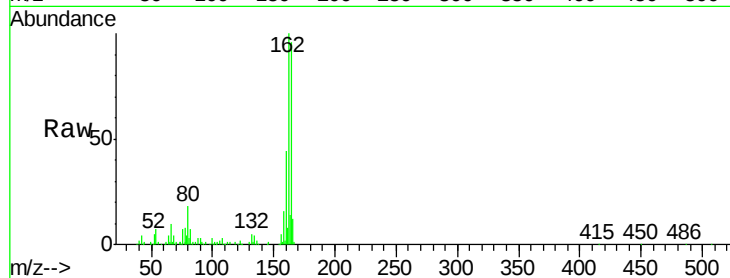
Tgt Ion:164 Resp: 140923

Ion Ratio Lower Upper

164 100

162 103.8 87.7 131.5

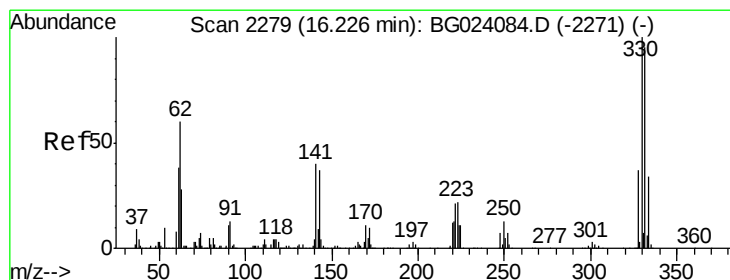
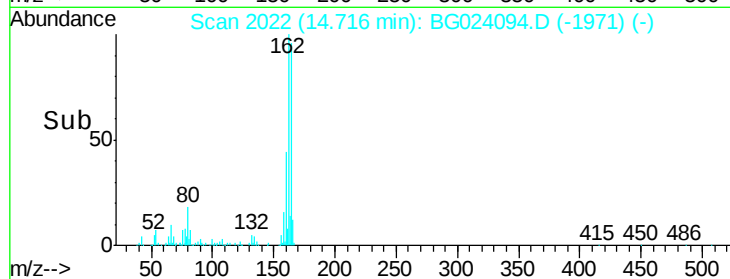
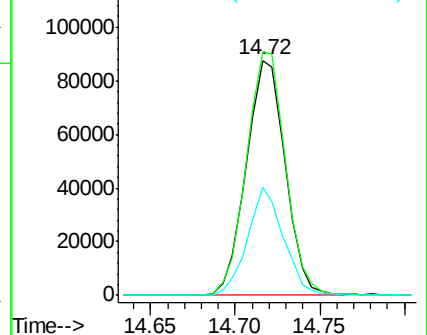
160 45.9 37.2 55.8



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: 26.06 ng

RT: 16.22 min Scan# 2278

Delta R.T. -0.01 min

Lab File: BG024094.D

Acq: 23 Sep 2016 19:25

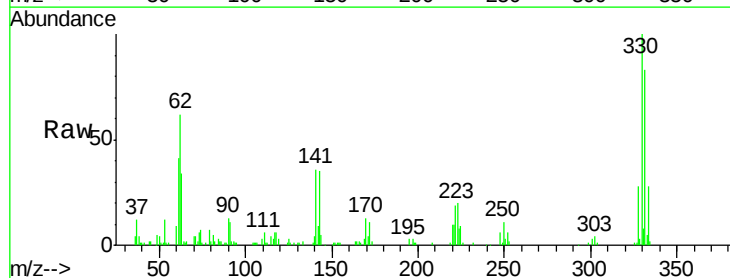
Tgt Ion:330 Resp: 52792

Ion Ratio Lower Upper

330 100

332 96.7 77.4 116.2

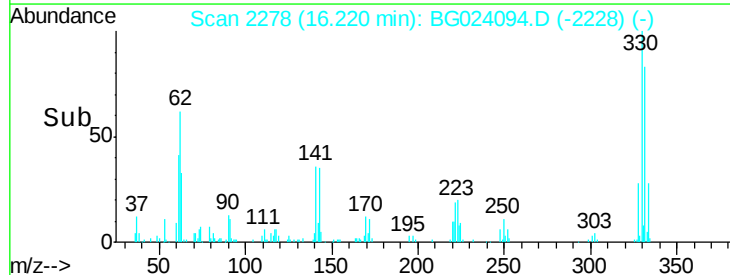
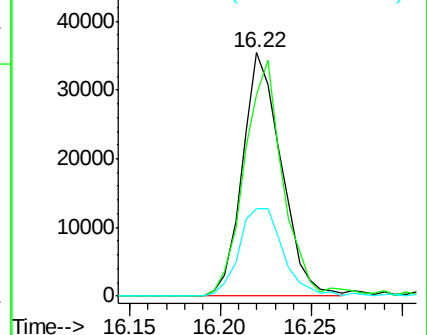
141 41.1 31.7 47.5

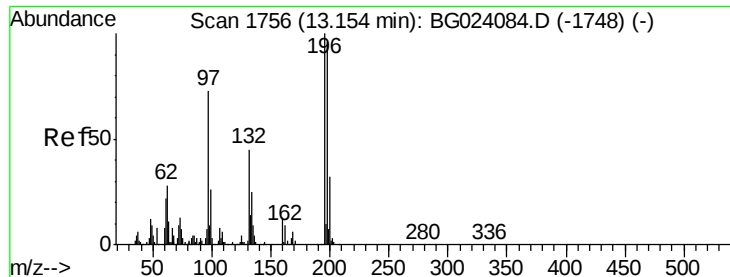


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E





#42

2,4,6-Trichlorophenol

Concen: 31.42 ng

RT: 13.16 min Scan# 1757

Delta R.T. 0.01 min

Lab File: BG024094.D

Acq: 23 Sep 2016 19:25

Instrument :

BNA_G

ClientSampleId :

PT-ACIDS-WPDL

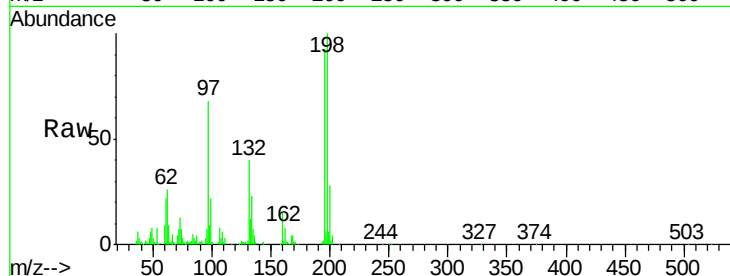
Tgt Ion:196 Resp: 83614

Ion Ratio Lower Upper

196 100

198 107.8 78.2 117.2

200 30.0 27.0 40.4

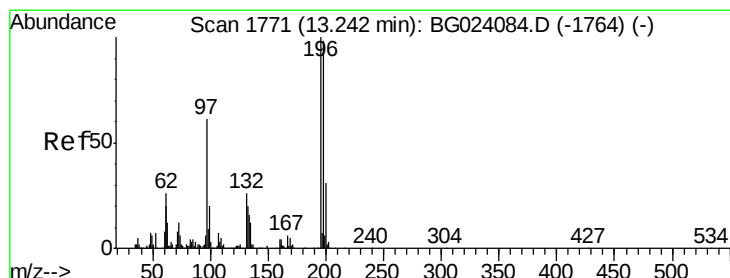
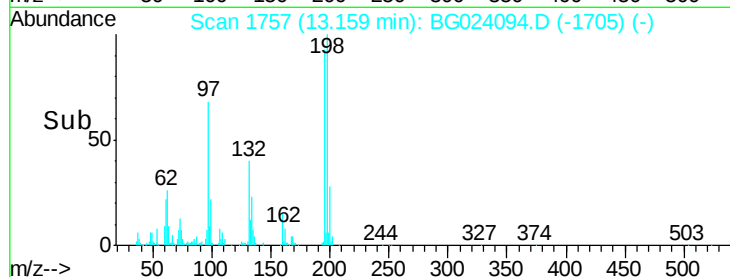
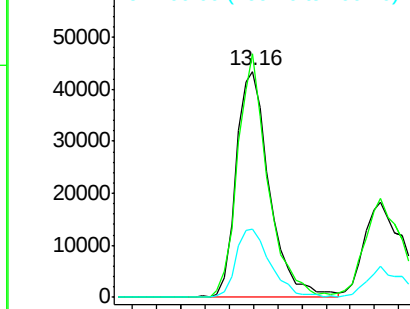


Abundance

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: 16.97 ng

RT: 13.27 min Scan# 1775

Delta R.T. 0.02 min

Lab File: BG024094.D

Acq: 23 Sep 2016 19:25

Tgt Ion:196 Resp: 46462

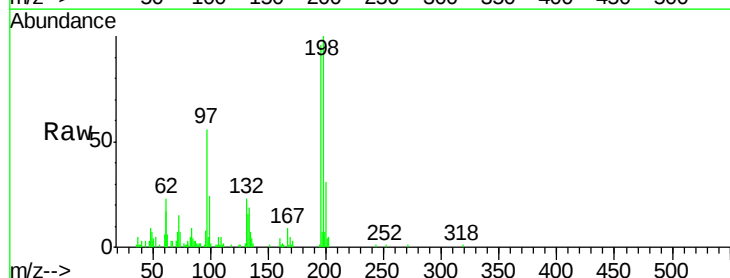
Ion Ratio Lower Upper

196 100

198 104.4 85.7 128.5

97 58.8 45.5 68.3

132 23.8 18.9 28.3



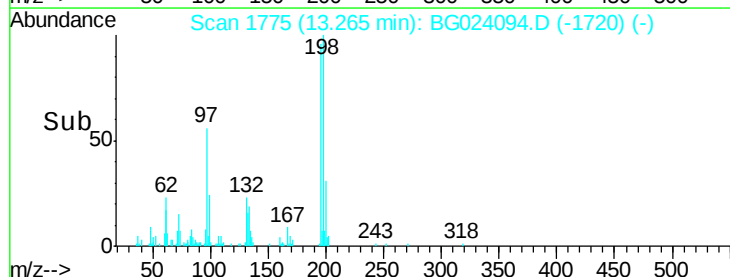
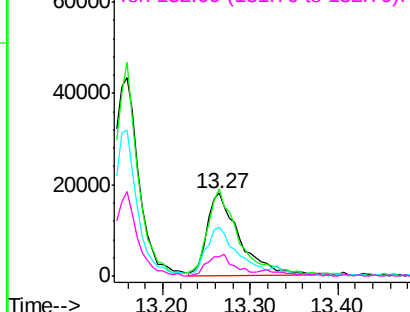
Abundance

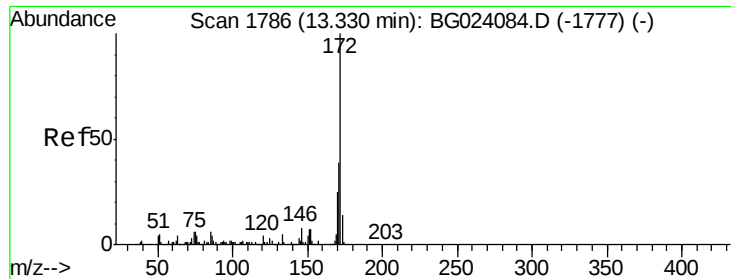
Ion 196.00 (195.70 to 196.70): E

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: 18.72 ng

RT: 13.32 min Scan# 1785

Delta R.T. -0.01 min

Lab File: BG024094.D

Acq: 23 Sep 2016 19:25

Instrument :

BNA_G

ClientSampleId :

PT-ACIDS-WPDL

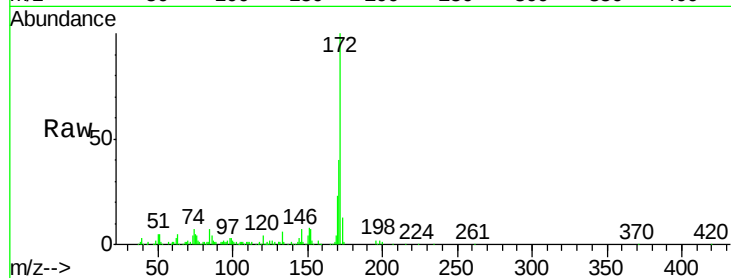
Tgt Ion:172 Resp: 156931

Ion Ratio Lower Upper

172 100

171 40.3 31.6 47.4

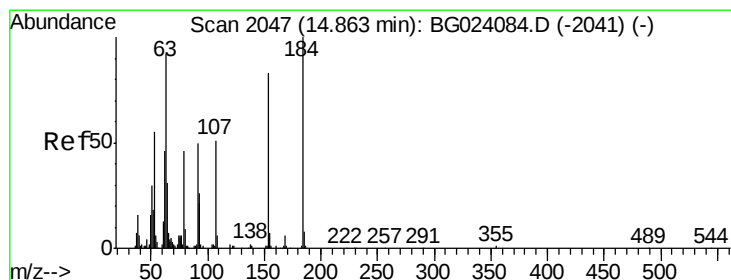
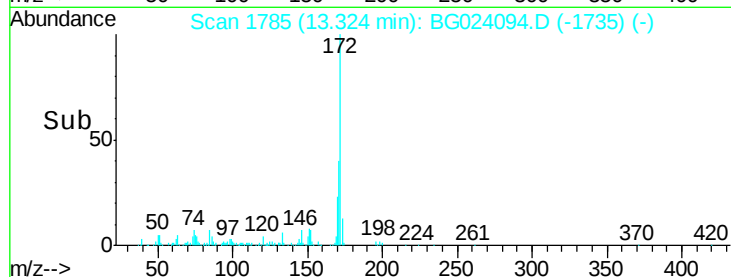
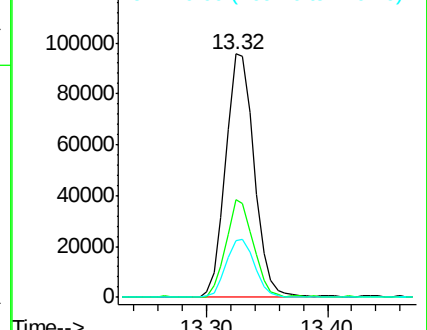
170 23.2 21.3 31.9



Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E



#53

2,4-Dinitrophenol

Concen: 18.41 ng

RT: 14.88 min Scan# 2050

Delta R.T. 0.02 min

Lab File: BG024094.D

Acq: 23 Sep 2016 19:25

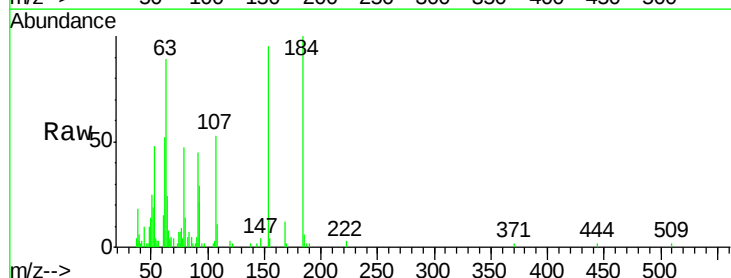
Tgt Ion:184 Resp: 21055

Ion Ratio Lower Upper

184 100

63 89.1 59.6 89.4

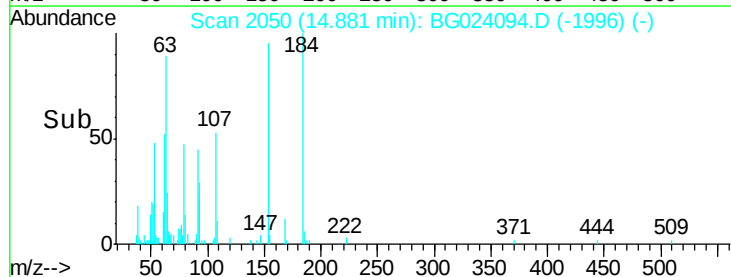
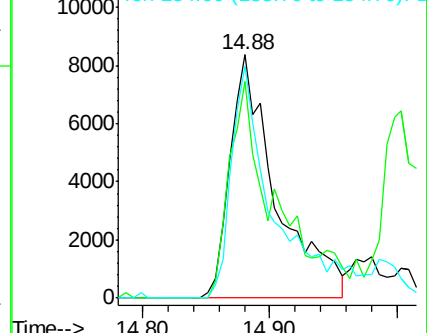
154 95.4 67.4 101.0

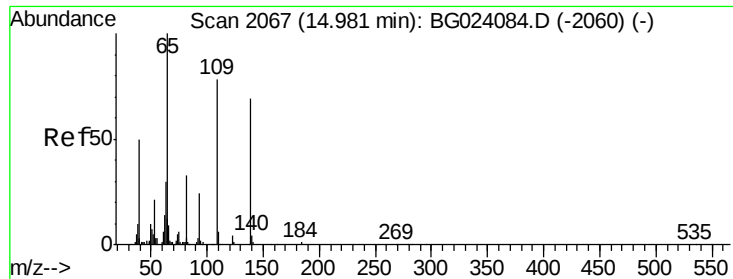


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 63.00 (62.70 to 63.70): BG

Ion 154.00 (153.70 to 154.70): E

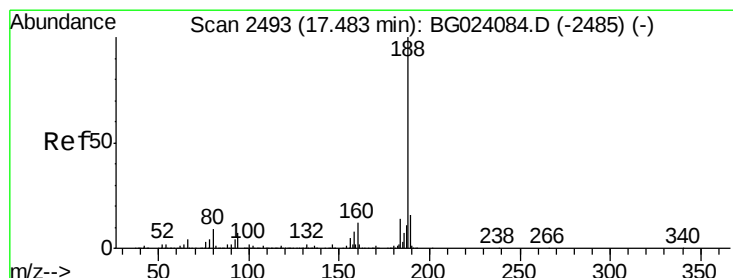
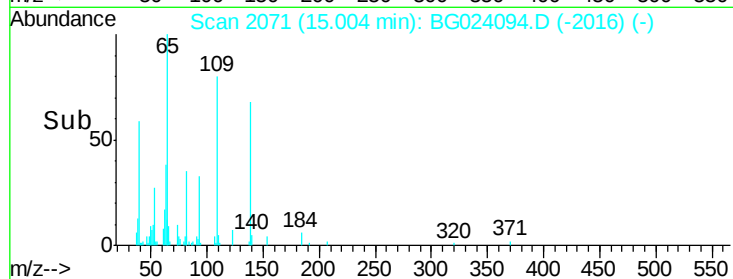
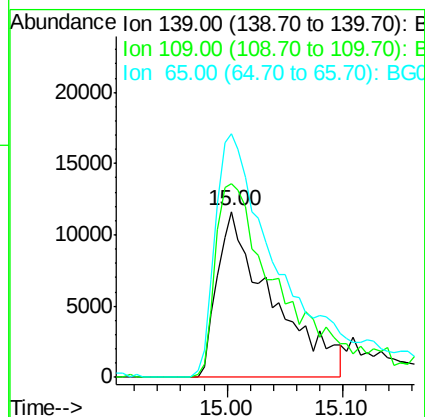
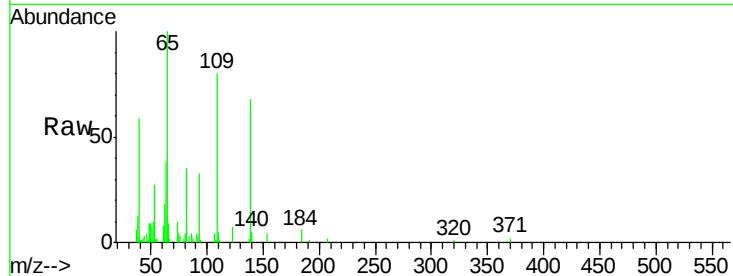




#55
4-Nitrophenol
Concen: 25.21 ng
RT: 15.00 min Scan# 2071
Delta R.T. 0.02 min
Lab File: BG024094.D
Acq: 23 Sep 2016 19:25

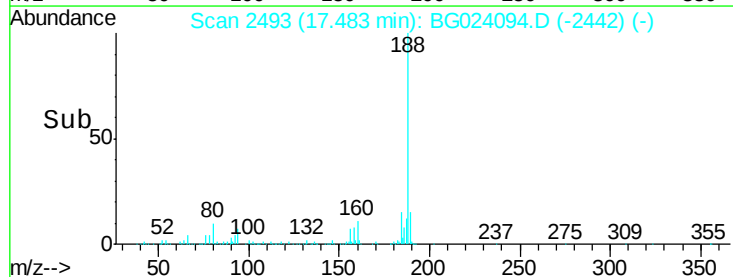
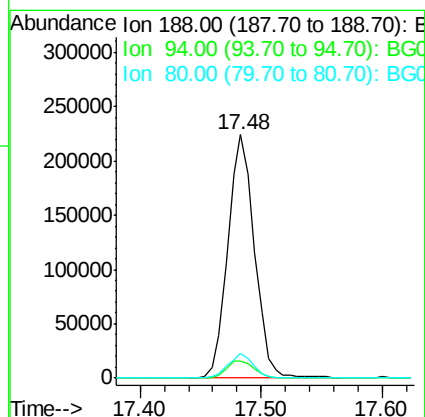
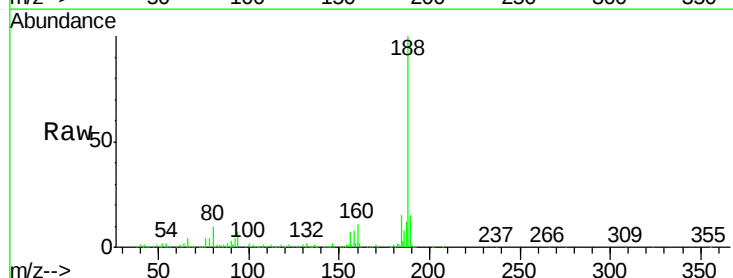
Instrument :
BNA_G
ClientSampleId :
PT-ACIDS-WPDL

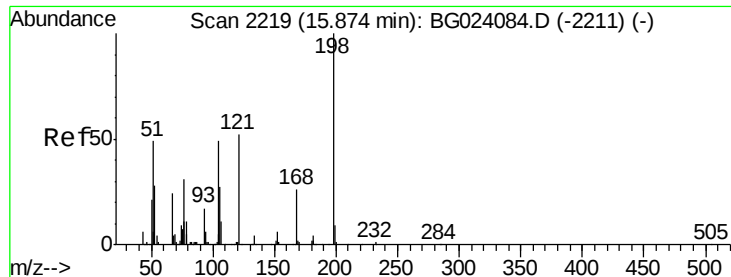
Tgt Ion:139 Resp: 38337
Ion Ratio Lower Upper
139 100
109 117.1 103.0 143.0
65 147.1 112.7 152.7



#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 17.48 min Scan# 2493
Delta R.T. -0.00 min
Lab File: BG024094.D
Acq: 23 Sep 2016 19:25

Tgt Ion:188 Resp: 342257
Ion Ratio Lower Upper
188 100
94 7.1 5.2 7.8
80 10.1 7.2 10.8

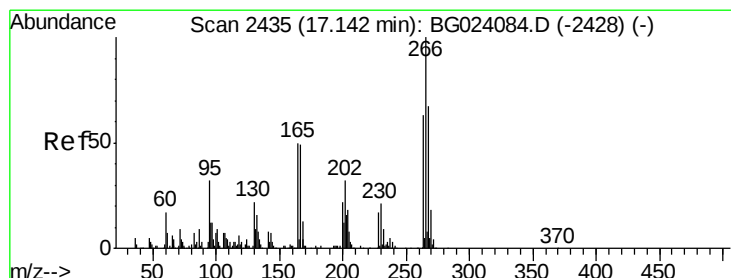
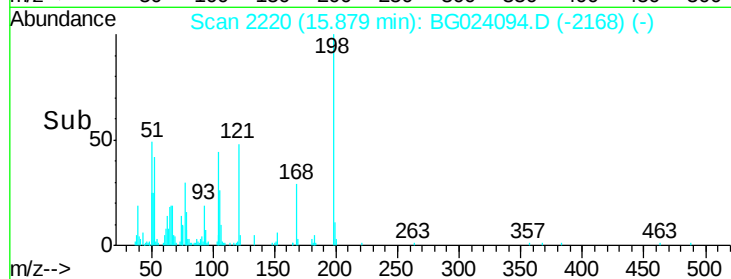
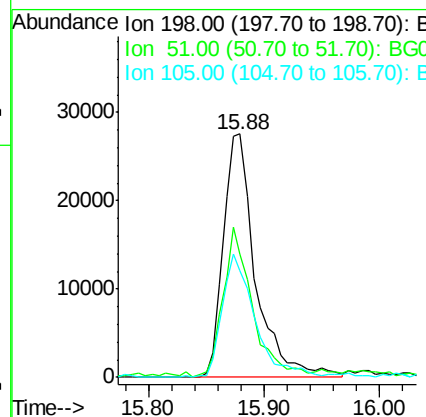
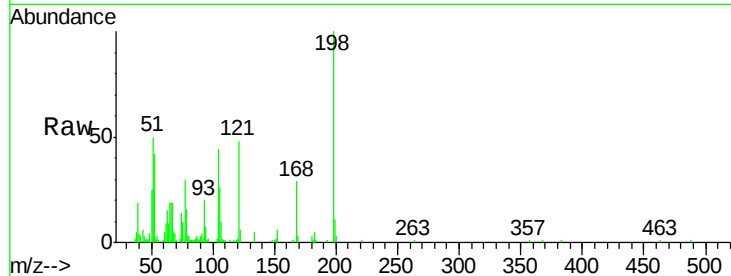




#64
 4,6-Dinitro-2-methylphenol
 Concen: 22.37 ng
 RT: 15.88 min Scan# 2220
 Delta R.T. 0.01 min
 Lab File: BG024094.D
 Acq: 23 Sep 2016 19:25

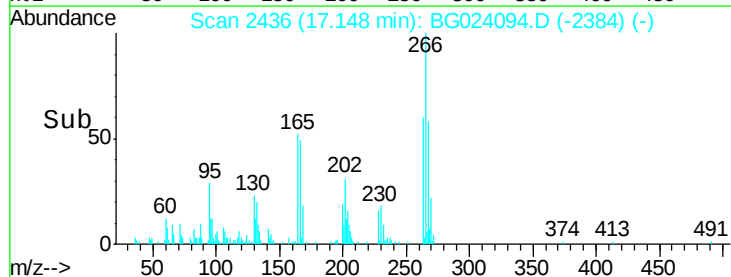
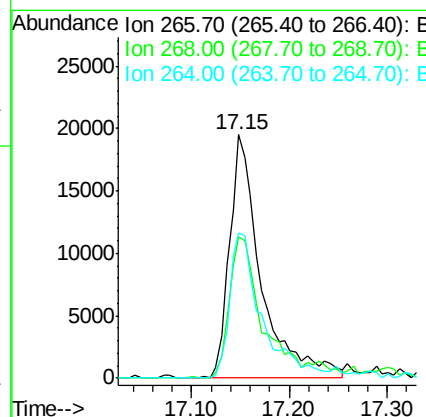
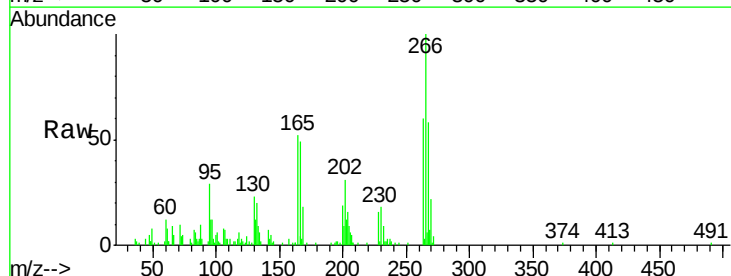
Instrument :
 BNA_G
 ClientSampleId :
 PT-ACIDS-WPDL

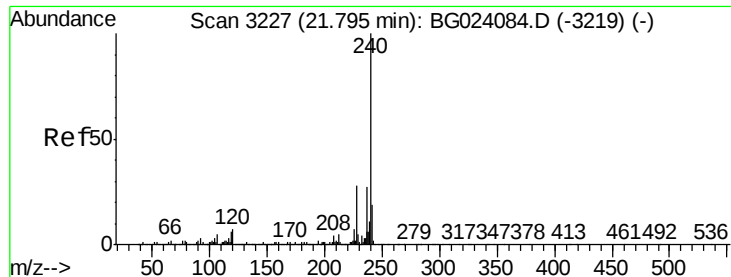
Tgt Ion:198 Resp: 53161
 Ion Ratio Lower Upper
 198 100
 51 50.5 26.0 66.0
 105 44.0 20.1 60.1



#69
 Pentachlorophenol
 Concen: 21.64 ng
 RT: 17.15 min Scan# 2436
 Delta R.T. 0.01 min
 Lab File: BG024094.D
 Acq: 23 Sep 2016 19:25

Tgt Ion:266 Resp: 43866
 Ion Ratio Lower Upper
 266 100
 268 58.1 51.9 77.9
 264 59.5 50.6 75.8

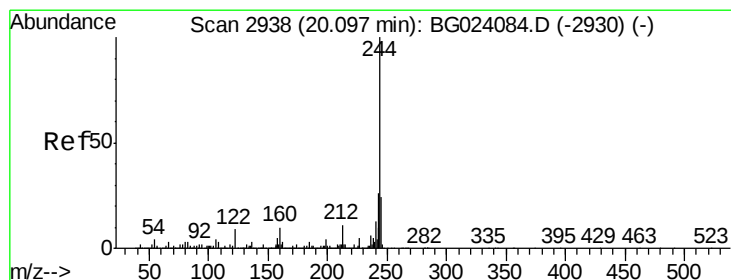
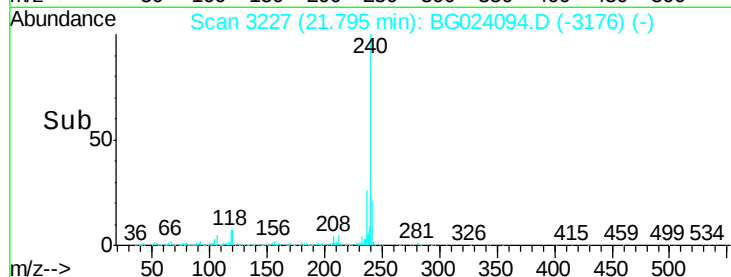
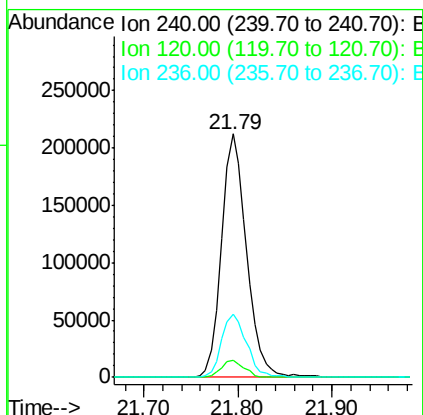
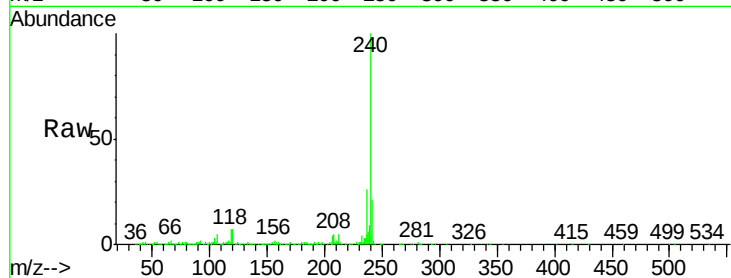




#75
Chrysene-d12
Concen: 20.00 ng
RT: 21.79 min Scan# 3227
Delta R.T. -0.00 min
Lab File: BG024094.D
Acq: 23 Sep 2016 19:25

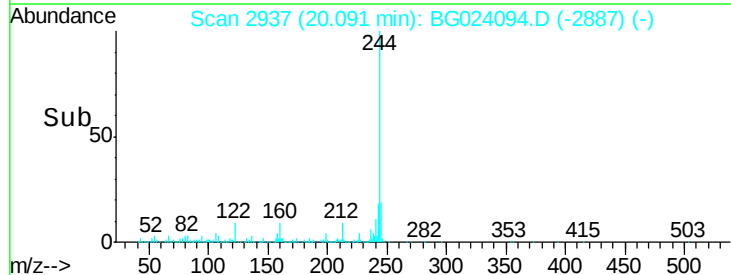
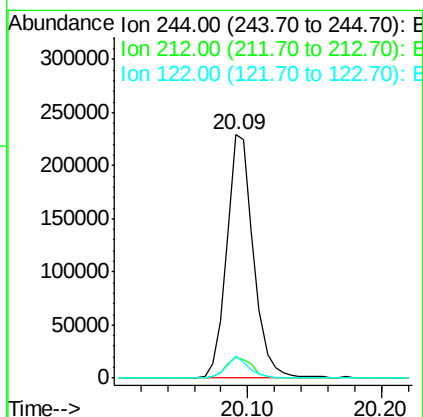
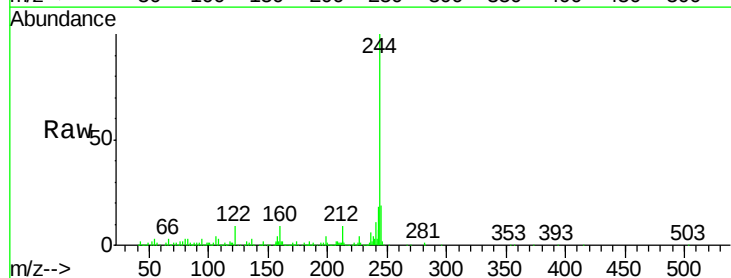
Instrument :
BNA_G
ClientSampleId :
PT-ACIDS-WPDL

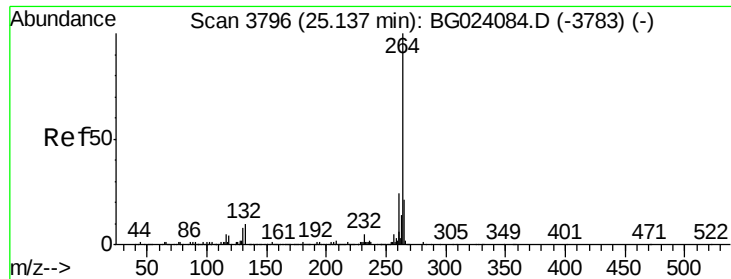
Tgt Ion:240 Resp: 394721
Ion Ratio Lower Upper
240 100
120 7.0 4.1 6.1#
236 25.7 21.1 31.7



#78
Terphenyl-d14
Concen: 16.65 ng
RT: 20.09 min Scan# 2937
Delta R.T. -0.01 min
Lab File: BG024094.D
Acq: 23 Sep 2016 19:25

Tgt Ion:244 Resp: 320975
Ion Ratio Lower Upper
244 100
212 8.6 10.8 16.2#
122 9.0 8.0 12.0

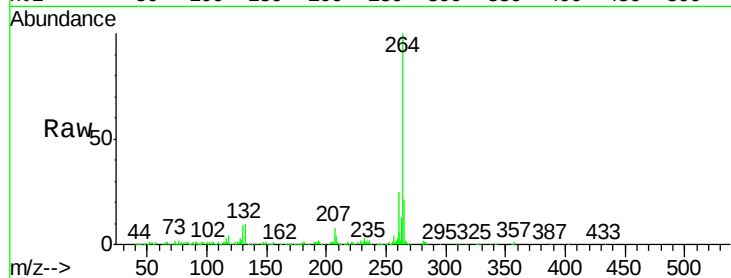




#86
Perylene-d12
Concen: 20.00 ng
RT: 25.14 min Scan# 3796
Delta R.T. -0.00 min
Lab File: BG024094.D
Acq: 23 Sep 2016 19:25

Instrument :
BNA_G
ClientSampleId :
PT-ACIDS-WPDL

Tgt Ion:	264	Resp:	367924
Ion	Ratio	Lower	Upper
264	100		
260	25.3	18.4	27.6
265	21.1	18.9	28.3



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

