

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG092316\
 Data File : BG024093.D
 Acq On : 23 Sep 2016 18:47
 Operator : UM/SJ
 Sample : H4803-06
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 PT-ACIDS-WP

Quant Time: Sep 24 00:52:05 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	42621	20.00	ng	0.00
21) Naphthalene-d8	10.87	136	185313	20.00	ng	0.00
38) Acenaphthene-d10	14.72	164	158461	20.00	ng	0.00
63) Phenanthrene-d10	17.48	188	367788	20.00	ng	0.00
75) Chrysene-d12	21.79	240	420003	20.00	ng	0.00
86) Perylene-d12	25.13	264	395490	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.59	112	345638	140.50	ng	0.00
7) Phenol-d6	7.21	99	547217	132.19	ng	0.00
23) Nitrobenzene-d5	9.22	82	406197	86.39	ng	0.00
41) 2,4,6-Tribromophenol	16.22	330	290089	127.36	ng	0.00
44) 2-Fluorobiphenyl	13.33	172	797844	84.63	ng	0.00
78) Terphenyl-d14	20.10	244	1556548	75.89	ng	0.00

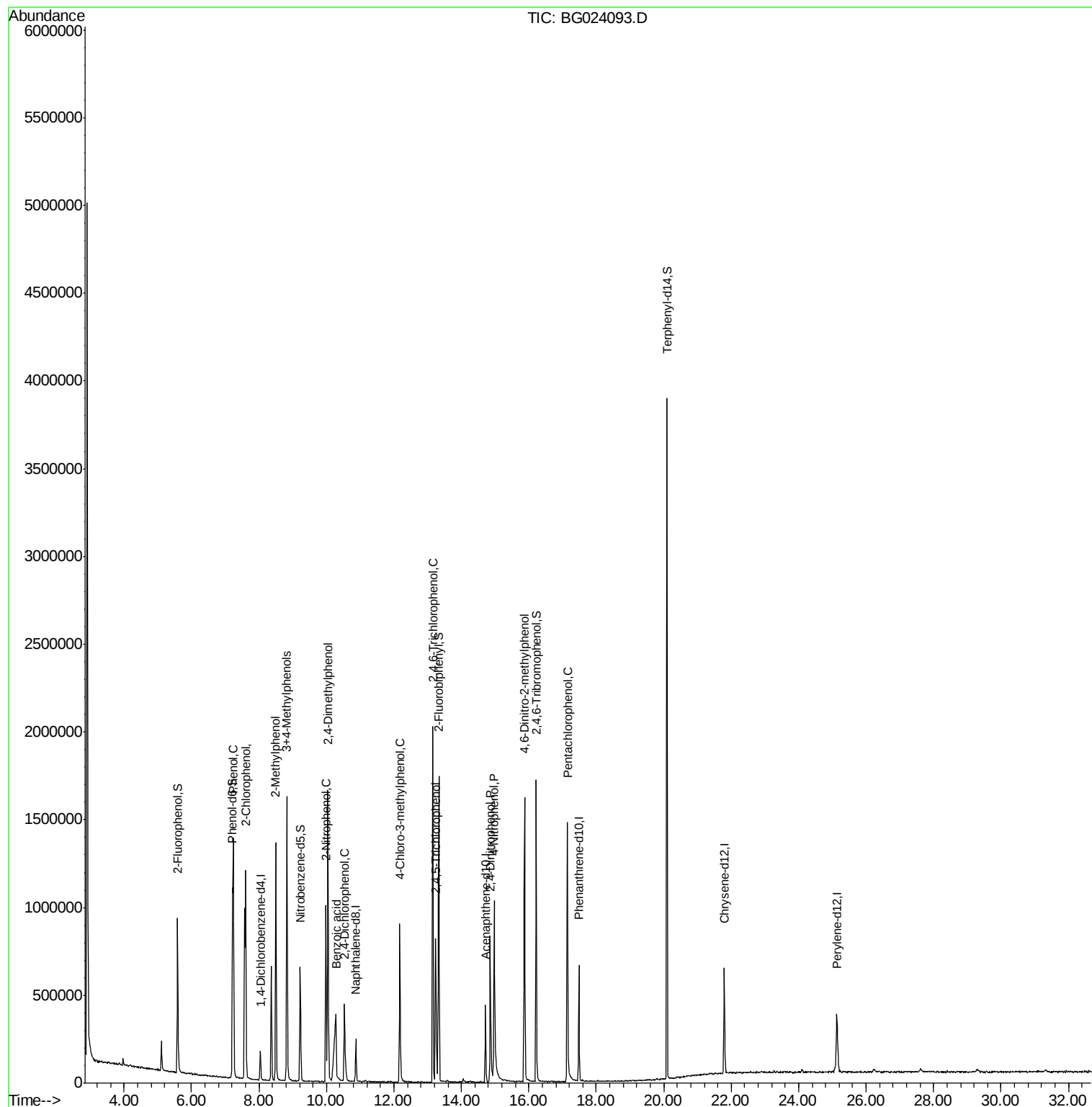
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
8) 2-Chlorophenol	7.61	128	426817	144.93	ng	96
10) Phenol	7.24	94	640872	147.27	ng	94
17) 2-Methylphenol	8.50	107	364198	125.88	ng	94
20) 3+4-Methylphenols	8.83	107	666053	158.51	ng	91
26) 2-Nitrophenol	9.99	139	256764	143.63	ng	96
27) 2,4-Dimethylphenol	10.05	122	412431	137.97	ng	97
29) 2,4-Dichlorophenol	10.53	162	183621	59.02	ng	98
32) Benzoic acid	10.28	122	262214	95.05	ng	95
36) 4-Chloro-3-methylphenol	12.18	107	325961	74.45	ng	99
42) 2,4,6-Trichlorophenol	13.15	196	450615	150.61	ng	99
43) 2,4,5-Trichlorophenol	13.24	196	247114	80.27	ng	95
53) 2,4-Dinitrophenol	14.86	184	186236	94.03	ng	92
55) 4-Nitrophenol	14.97	139	274103	131.65	ng	97
64) 4,6-Dinitro-2-methylphenol	15.87	198	336703	131.83	ng	88
69) Pentachlorophenol	17.14	266	288504	114.21	ng	95

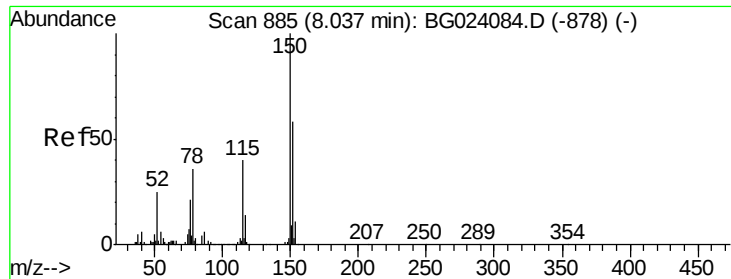
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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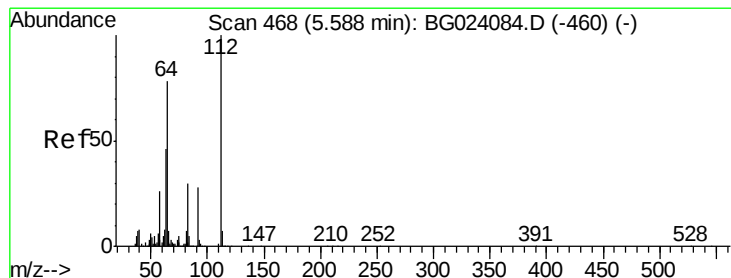
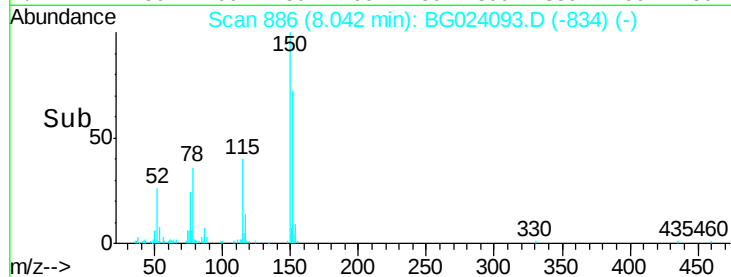
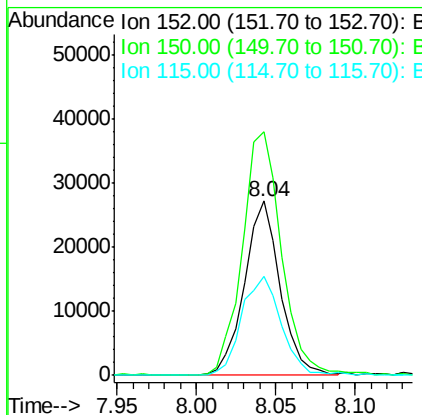
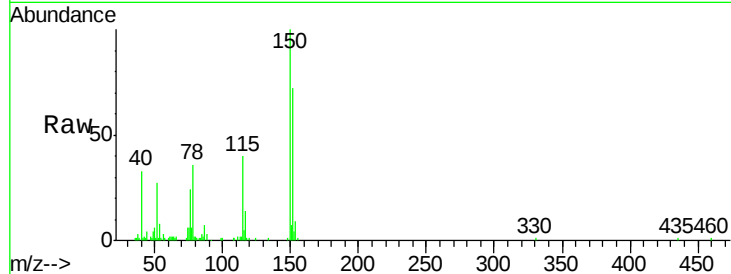


#1

1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 8.04 min Scan# 886
Delta R.T. 0.01 min
Lab File: BG024093.D
Acq: 23 Sep 2016 18:47

Instrument :
BNA_G
ClientSampleId :
PT-ACIDS-WP

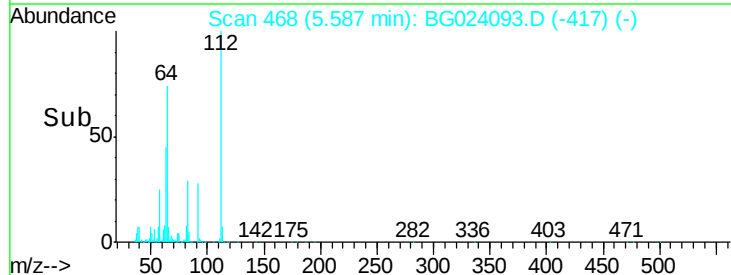
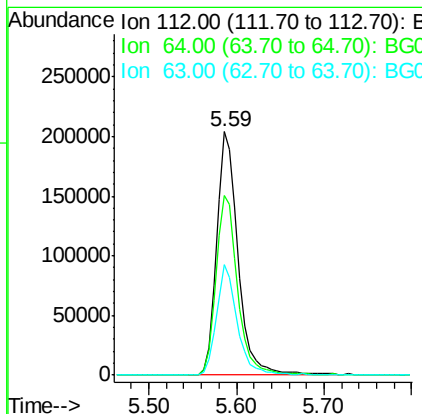
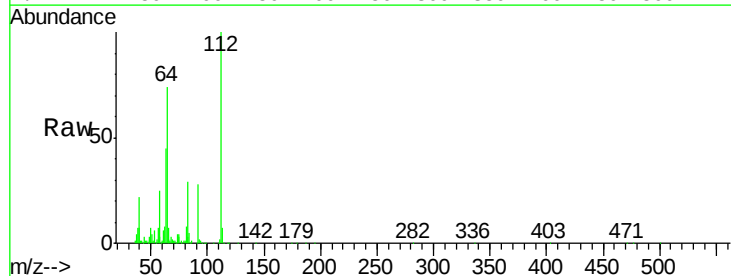
Tgt Ion:152 Resp: 42621
Ion Ratio Lower Upper
152 100
150 139.8 144.7 217.1#
115 56.5 64.0 96.0#

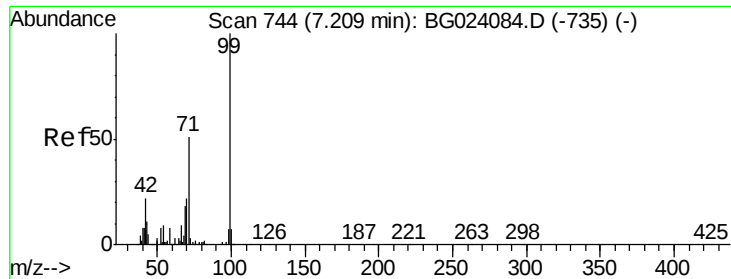


#5

2-Fluorophenol
Concen: 140.50 ng
RT: 5.59 min Scan# 468
Delta R.T. -0.00 min
Lab File: BG024093.D
Acq: 23 Sep 2016 18:47

Tgt Ion:112 Resp: 345638
Ion Ratio Lower Upper
112 100
64 74.0 59.0 88.4
63 45.3 37.8 56.8





#7

Phenol-d6

Concen: 132.19 ng

RT: 7.21 min Scan# 745

Delta R.T. 0.01 min

Lab File: BG024093.D

Acq: 23 Sep 2016 18:47

Instrument :

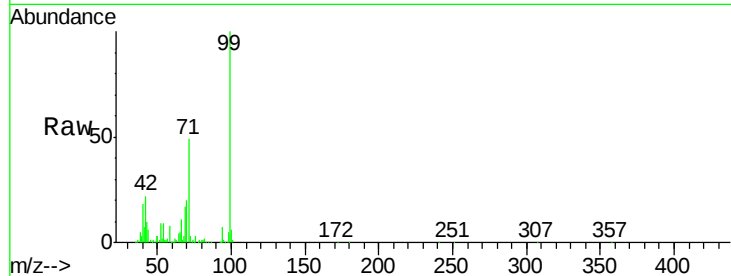
BNA_G

ClientSampleId :

PT-ACIDS-WP

Tgt Ion: 99 Resp: 547217

Ion	Ratio	Lower	Upper
99	100		
42	22.4	17.8	26.6
71	49.2	41.5	62.3

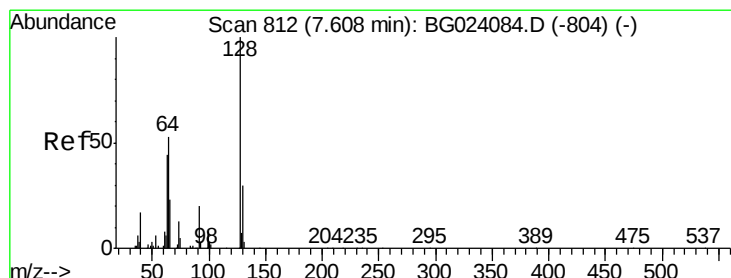
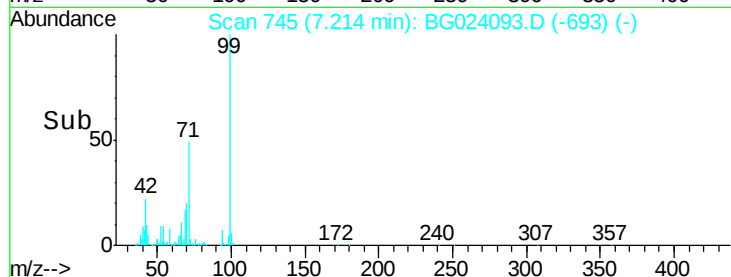
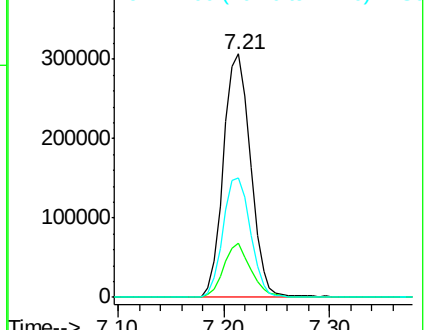


Abundance

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: 144.93 ng

RT: 7.61 min Scan# 812

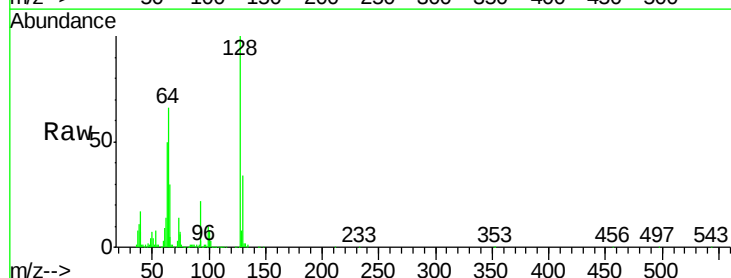
Delta R.T. -0.00 min

Lab File: BG024093.D

Acq: 23 Sep 2016 18:47

Tgt Ion: 128 Resp: 426817

Ion	Ratio	Lower	Upper
128	100		
130	33.8	12.9	52.9
64	65.7	42.0	82.0

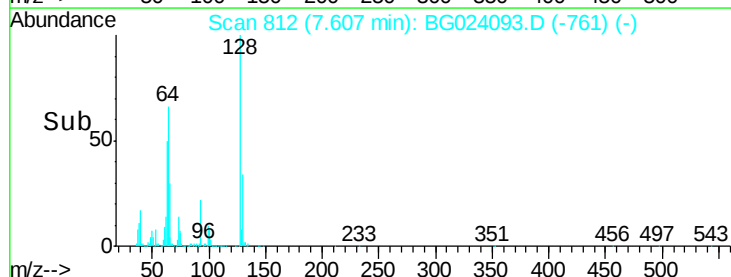
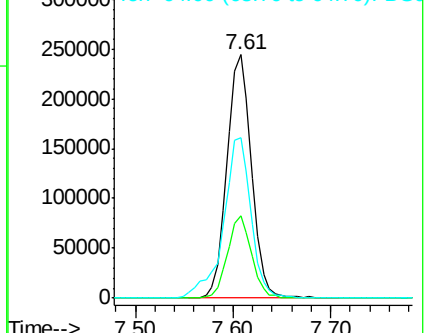


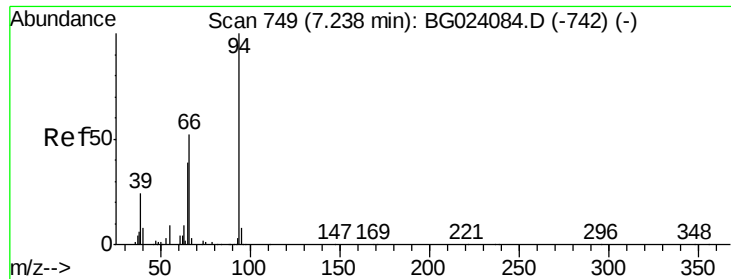
Abundance

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: 147.27 ng

RT: 7.24 min Scan# 749

Delta R.T. -0.00 min

Lab File: BG024093.D

Acq: 23 Sep 2016 18:47

Instrument :

BNA_G

ClientSampleId :

PT-ACIDS-WP

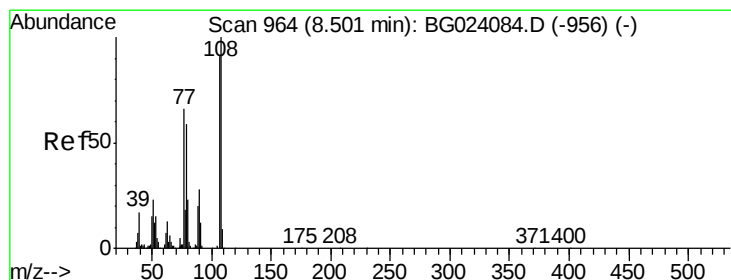
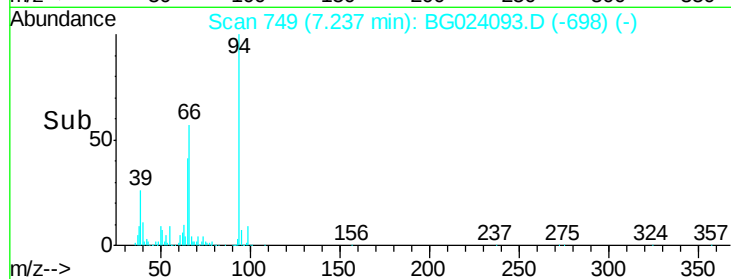
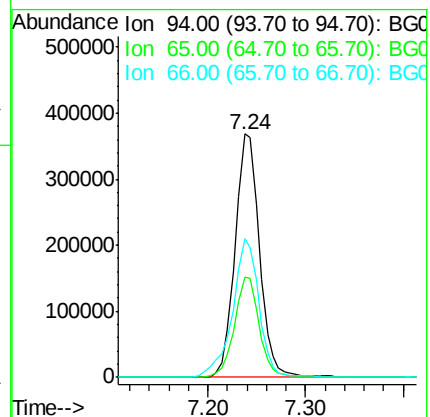
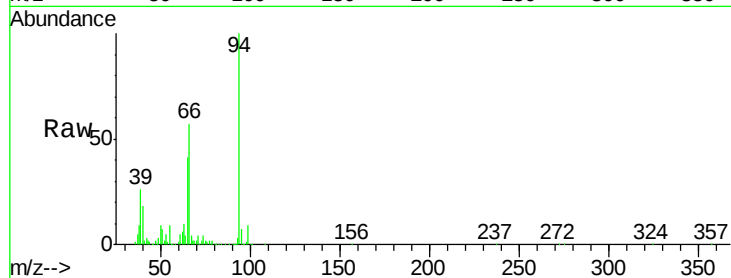
Tgt Ion: 94 Resp: 640872

Ion Ratio Lower Upper

94 100

65 41.1 18.1 58.1

66 57.0 42.1 82.1



#17

2-Methylphenol

Concen: 125.88 ng

RT: 8.50 min Scan# 964

Delta R.T. -0.00 min

Lab File: BG024093.D

Acq: 23 Sep 2016 18:47

Tgt Ion: 107 Resp: 364198

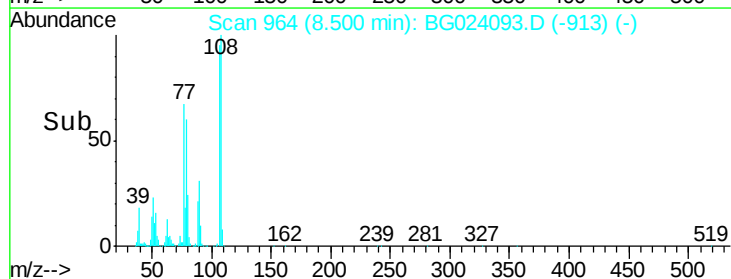
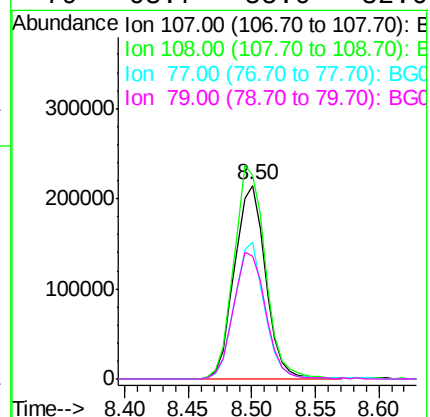
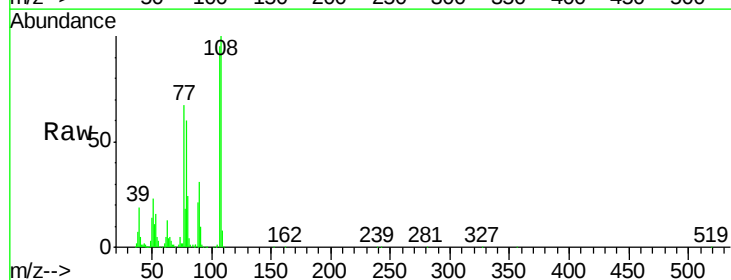
Ion Ratio Lower Upper

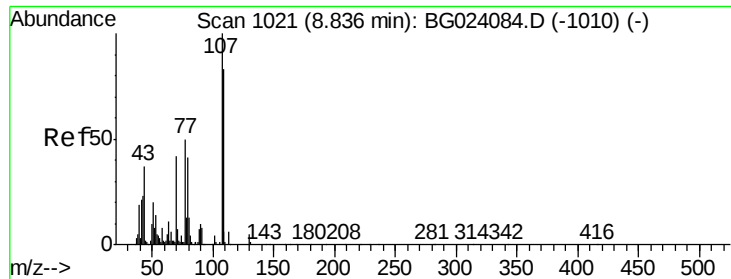
107 100

108 105.5 92.0 138.0

77 70.6 55.8 83.6

79 63.7 55.0 82.6

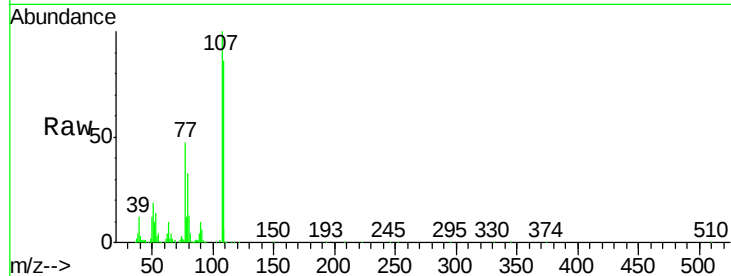




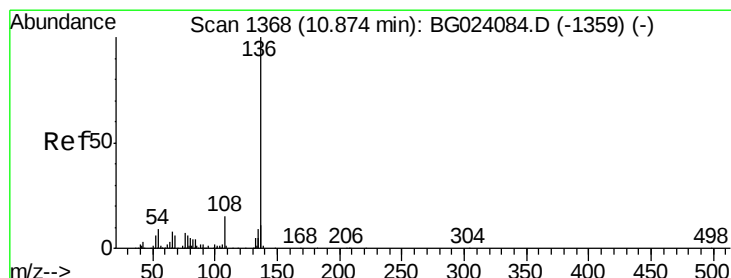
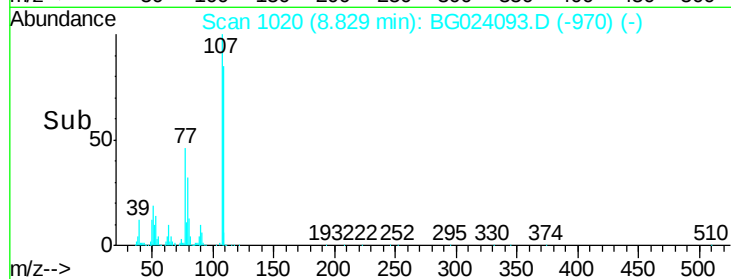
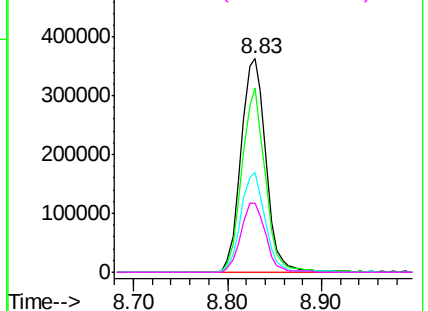
#20
3+4-Methylphenols
Concen: 158.51 ng
RT: 8.83 min Scan# 1020
Delta R.T. -0.01 min
Lab File: BG024093.D
Acq: 23 Sep 2016 18:47

Instrument :
BNA_G
ClientSampleId :
PT-ACIDS-WP

Tgt Ion:	107	Resp:	666053
Ion	Ratio	Lower	Upper
107	100		
108	86.1	72.5	112.5
77	46.5	30.1	70.1
79	32.6	24.2	64.2

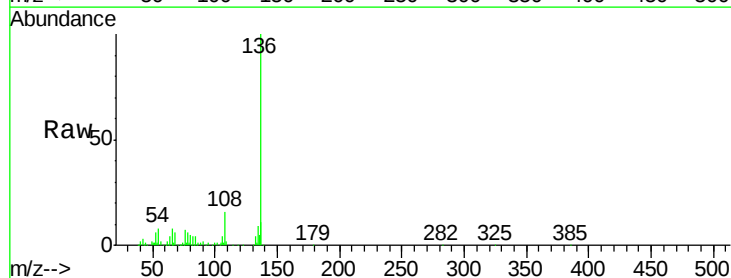


Abundance Ion 107.00 (106.70 to 107.70): E
Ion 108.00 (107.70 to 108.70): E
Ion 77.00 (76.70 to 77.70): BGC
Ion 79.00 (78.70 to 79.70): BGC

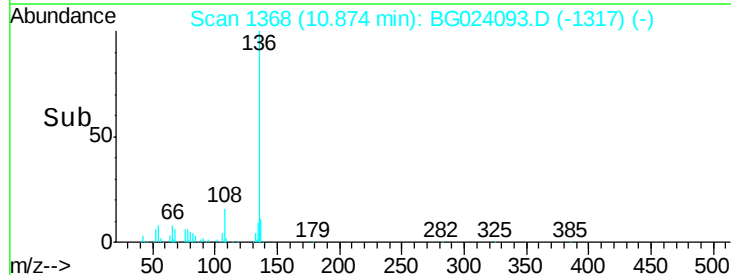
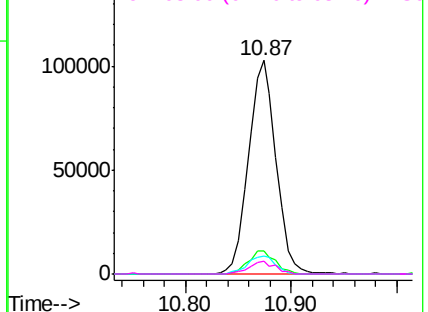


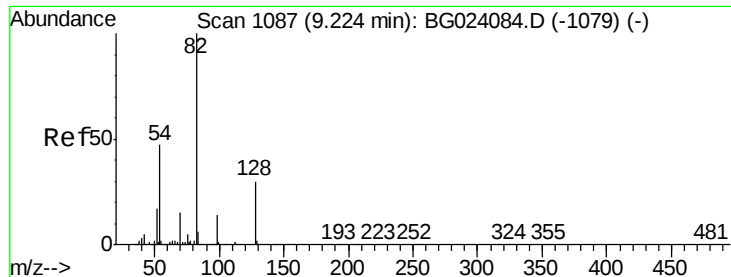
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 10.87 min Scan# 1368
Delta R.T. -0.00 min
Lab File: BG024093.D
Acq: 23 Sep 2016 18:47

Tgt Ion:	136	Resp:	185313
Ion	Ratio	Lower	Upper
136	100		
137	10.9	9.6	14.4
54	8.4	7.3	10.9
68	5.7	5.3	7.9



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

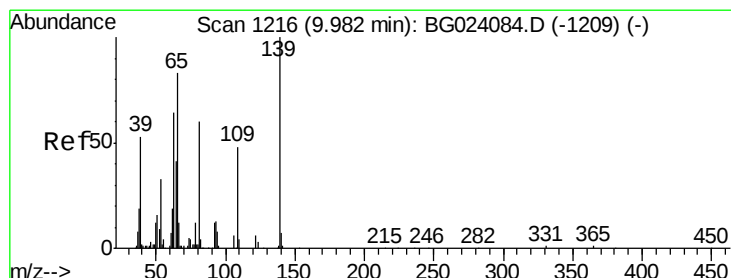
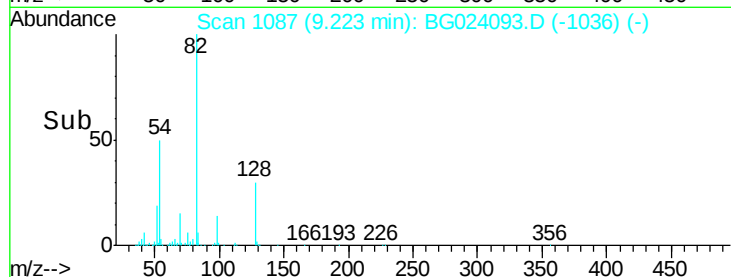
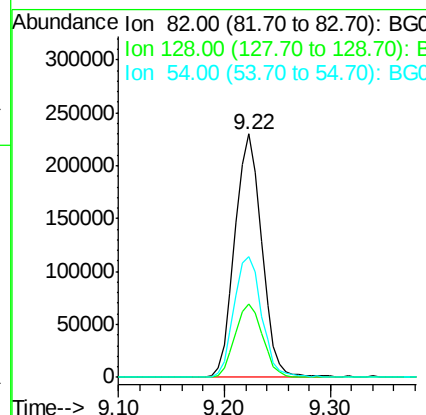
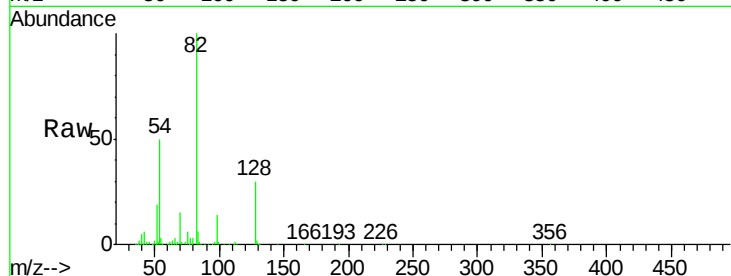




#23
 Nitrobenzene-d5
 Concen: 86.39 ng
 RT: 9.22 min Scan# 1087
 Delta R.T. -0.00 min
 Lab File: BG024093.D
 Acq: 23 Sep 2016 18:47

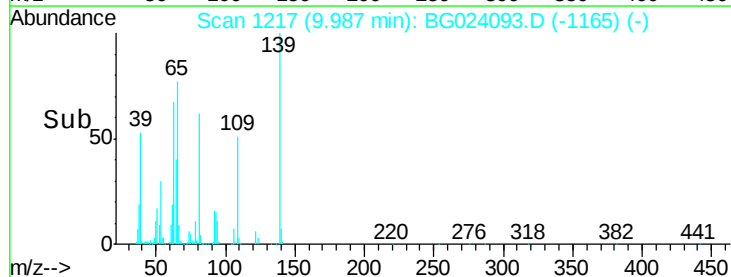
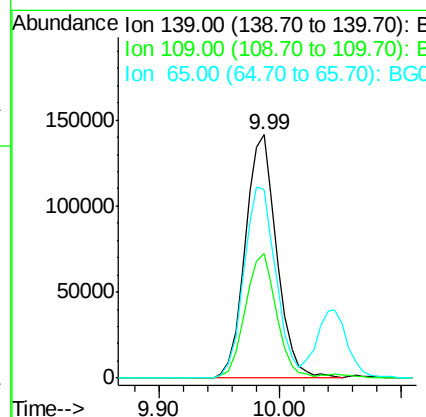
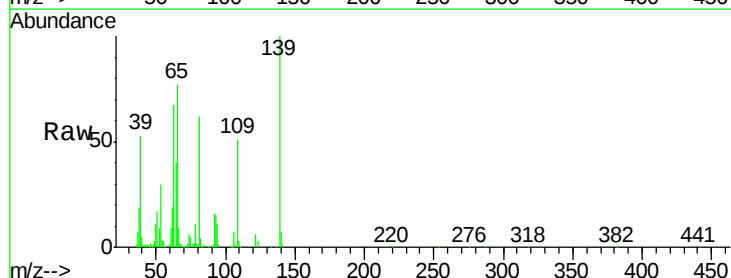
Instrument :
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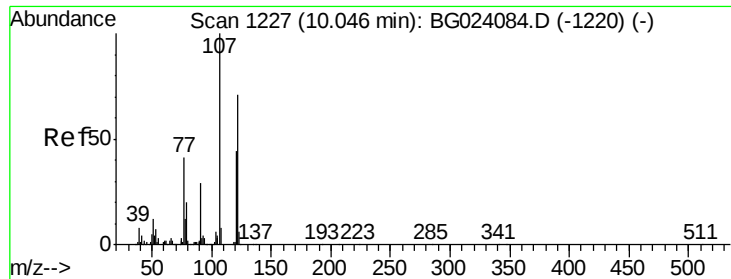
Tgt Ion	Ratio	Lower	Upper
82	100		
128	30.3	24.4	36.6
54	49.8	41.4	62.0



#26
 2-Nitrophenol
 Concen: 143.63 ng
 RT: 9.99 min Scan# 1217
 Delta R.T. 0.01 min
 Lab File: BG024093.D
 Acq: 23 Sep 2016 18:47

Tgt Ion	Ratio	Lower	Upper
139	100		
109	51.2	43.5	65.3
65	77.5	64.3	96.5

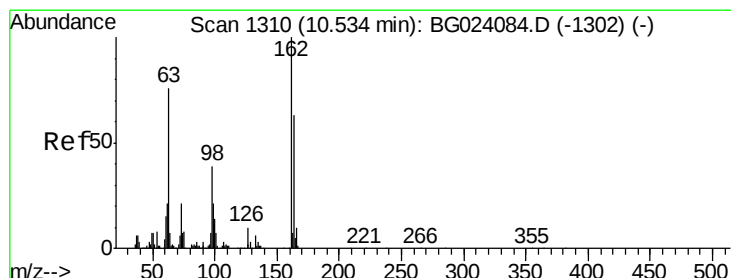
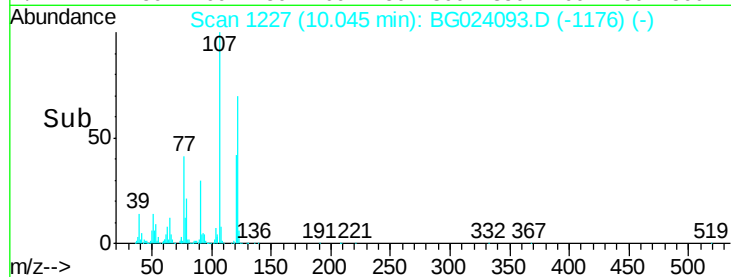
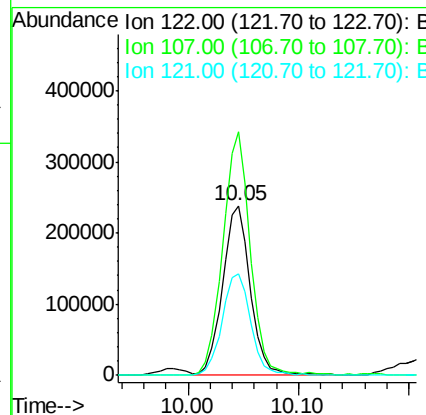
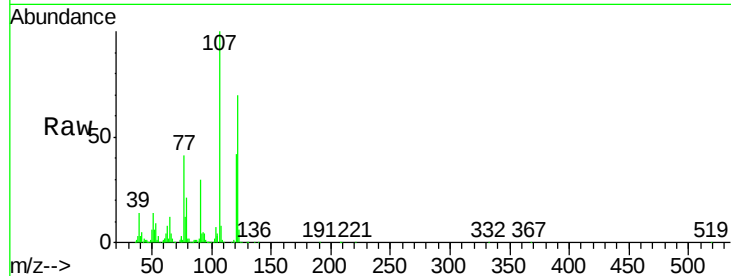




#27
 2,4-Dimethylphenol
 Concen: 137.97 ng
 RT: 10.05 min Scan# 1227
 Delta R.T. -0.00 min
 Lab File: BG024093.D
 Acq: 23 Sep 2016 18:47

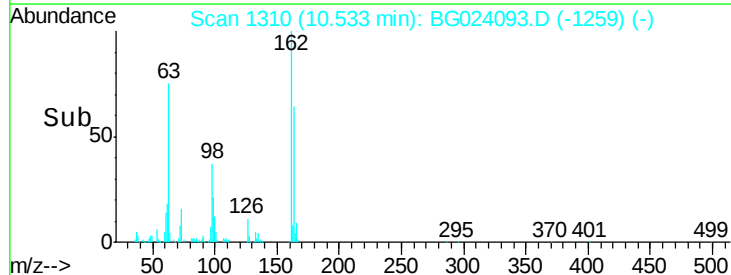
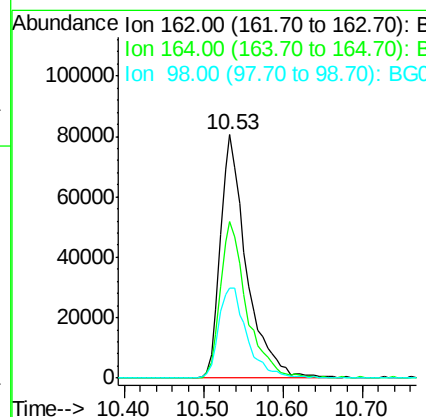
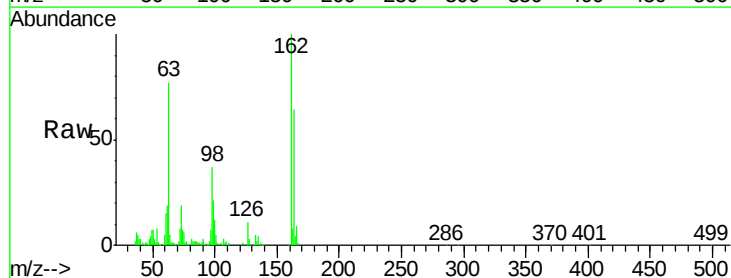
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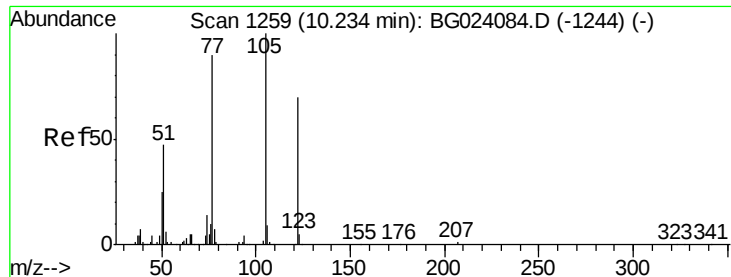
Tgt Ion	Ratio	Lower	Upper
122	100		
107	143.6	117.0	175.4
121	59.7	50.1	75.1



#29
 2,4-Dichlorophenol
 Concen: 59.02 ng
 RT: 10.53 min Scan# 1310
 Delta R.T. -0.00 min
 Lab File: BG024093.D
 Acq: 23 Sep 2016 18:47

Tgt Ion	Ratio	Lower	Upper
162	100		
164	64.4	44.3	84.3
98	37.1	19.5	59.5

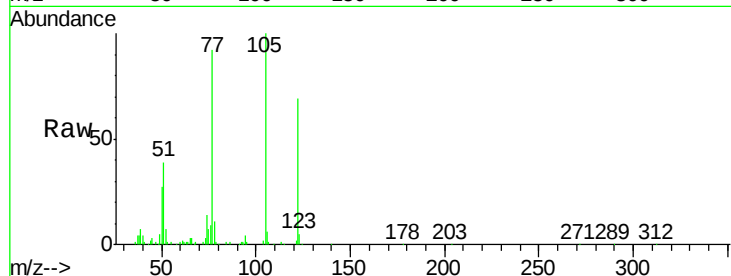




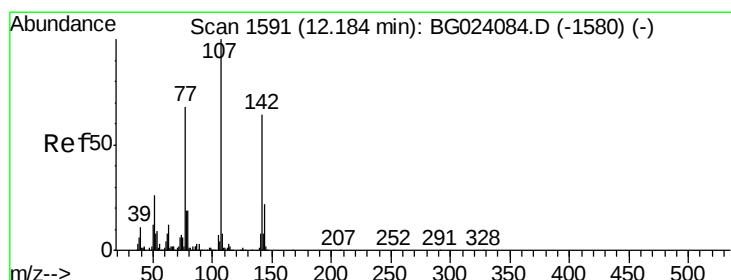
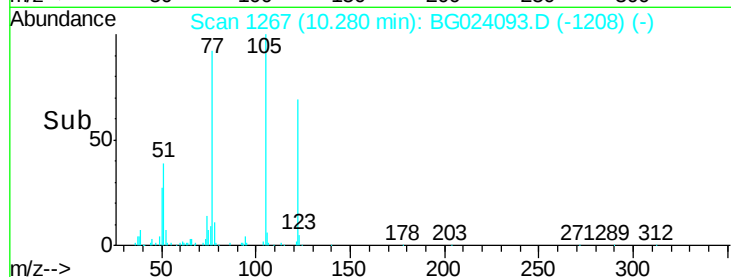
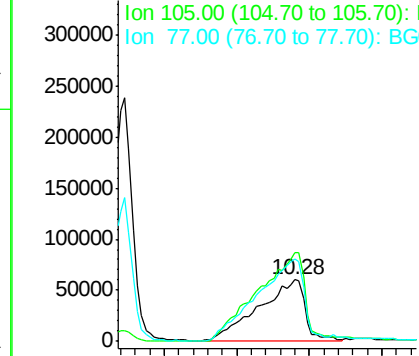
#32
Benzoic acid
Concen: 95.05 ng
RT: 10.28 min Scan# 1267
Delta R.T. 0.05 min
Lab File: BG024093.D
Acq: 23 Sep 2016 18:47

Instrument :
BNA_G
ClientSampleId :
PT-ACIDS-WP

Tgt Ion:122 Resp: 262214
Ion Ratio Lower Upper
122 100
105 143.9 117.2 157.2
77 133.1 109.2 149.2

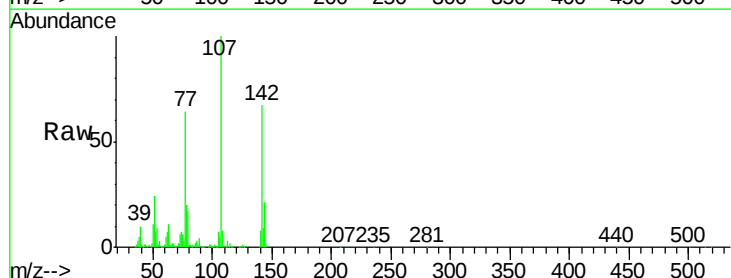


Abundance Ion 122.00 (121.70 to 122.70): E
Ion 105.00 (104.70 to 105.70): E
Ion 77.00 (76.70 to 77.70): B

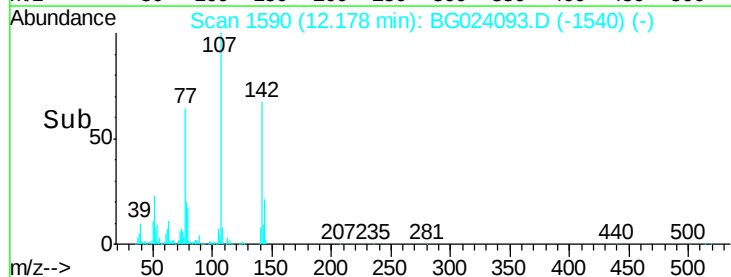
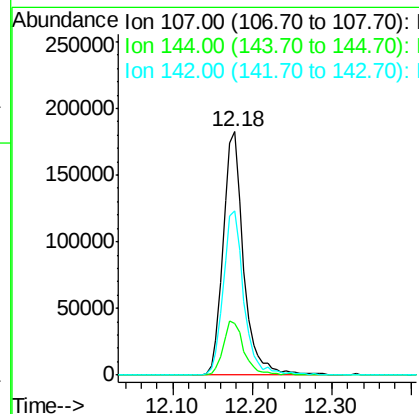


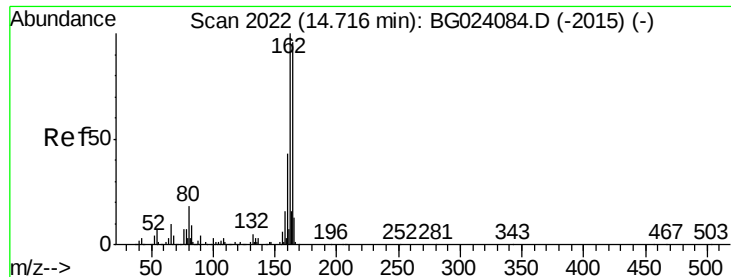
#36
4-Chloro-3-methylphenol
Concen: 74.45 ng
RT: 12.18 min Scan# 1590
Delta R.T. -0.01 min
Lab File: BG024093.D
Acq: 23 Sep 2016 18:47

Tgt Ion:107 Resp: 325961
Ion Ratio Lower Upper
107 100
144 21.0 17.0 25.6
142 67.3 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: BG024093.D

Acq: 23 Sep 2016 18:47

Instrument :

BNA_G

ClientSampleId :

PT-ACIDS-WP

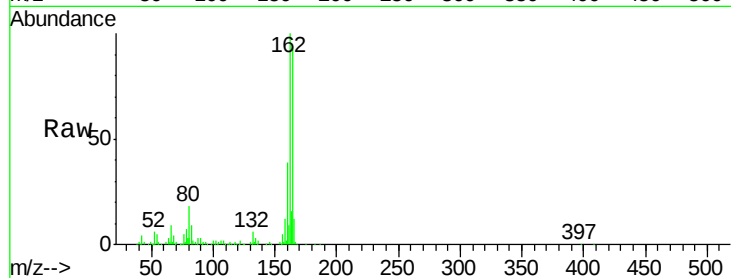
Tgt Ion:164 Resp: 158461

Ion Ratio Lower Upper

164 100

162 106.1 87.7 131.5

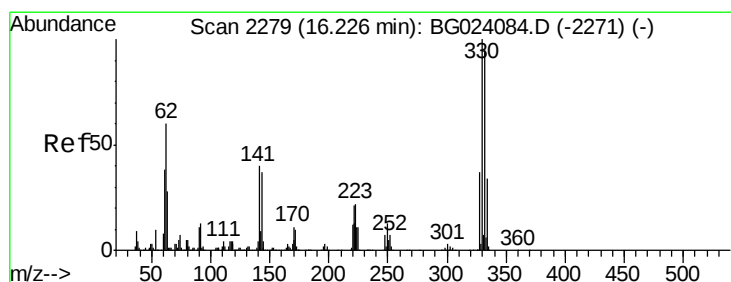
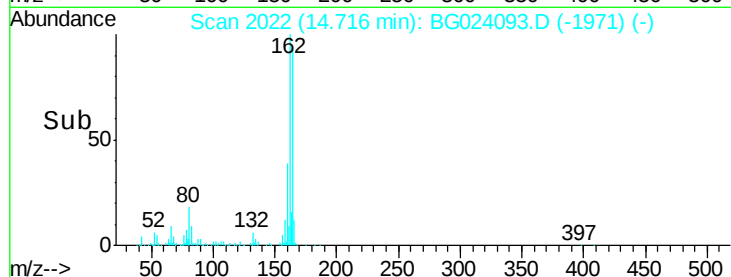
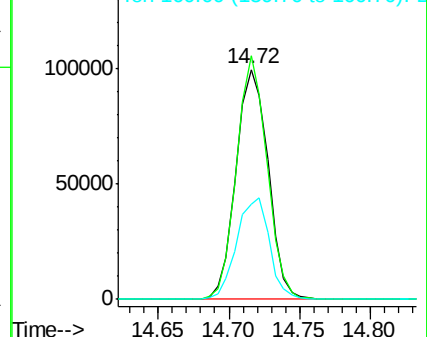
160 41.7 37.2 55.8



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: 127.36 ng

RT: 16.22 min Scan# 2278

Delta R.T. -0.01 min

Lab File: BG024093.D

Acq: 23 Sep 2016 18:47

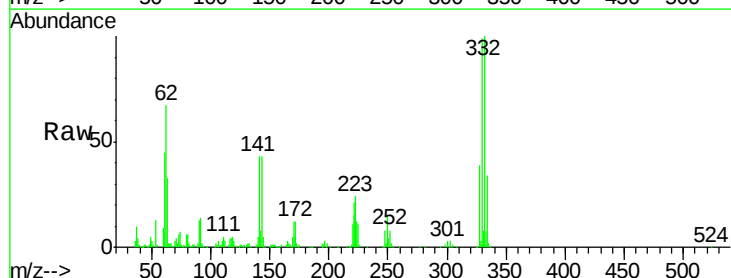
Tgt Ion:330 Resp: 290089

Ion Ratio Lower Upper

330 100

332 95.3 77.4 116.2

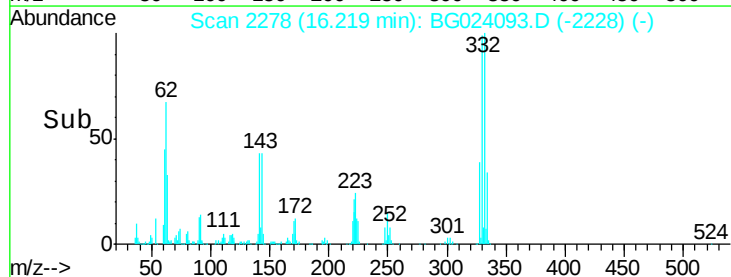
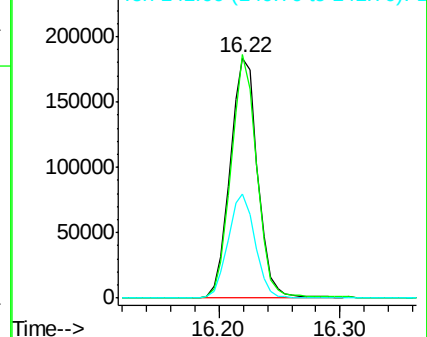
141 42.6 31.7 47.5

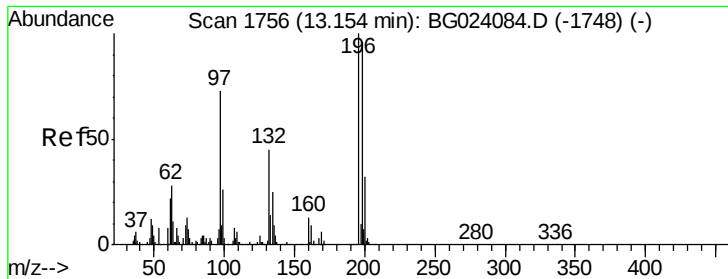


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

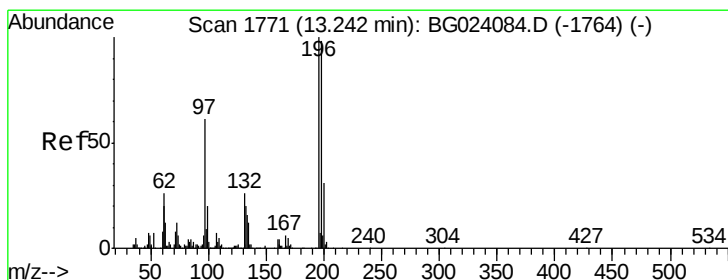
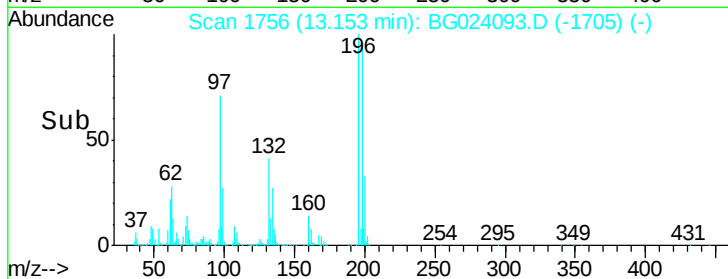
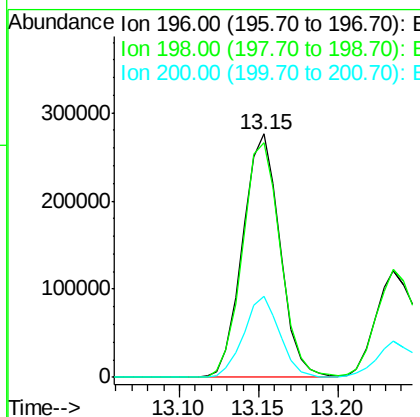
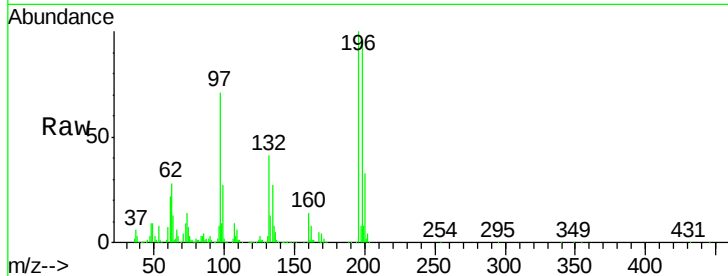




#42
 2,4,6-Trichlorophenol
 Concen: 150.61 ng
 RT: 13.15 min Scan# 1756
 Delta R.T. -0.00 min
 Lab File: BG024093.D
 Acq: 23 Sep 2016 18:47

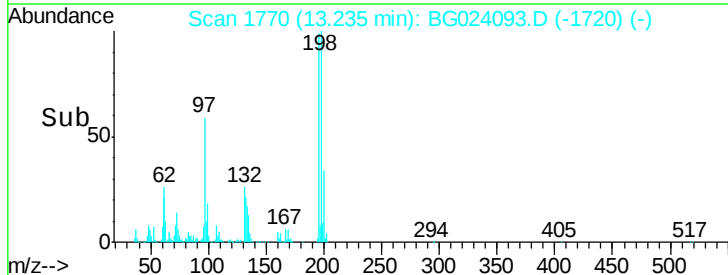
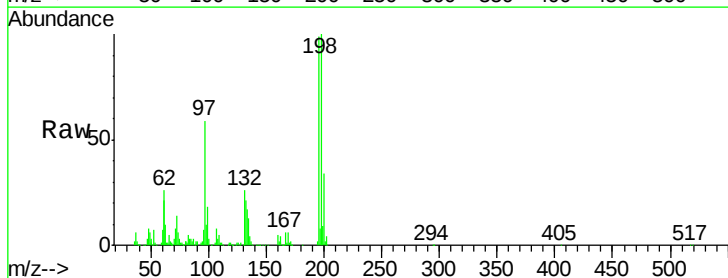
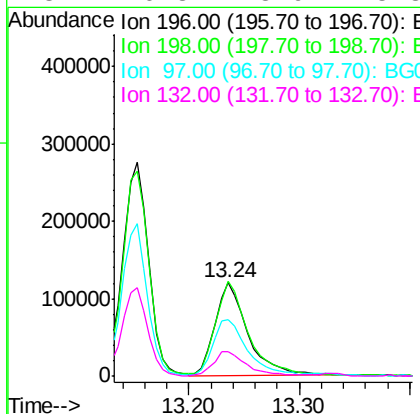
Instrument :
 BNA_G
 ClientSampleId :
 PT-ACIDS-WP

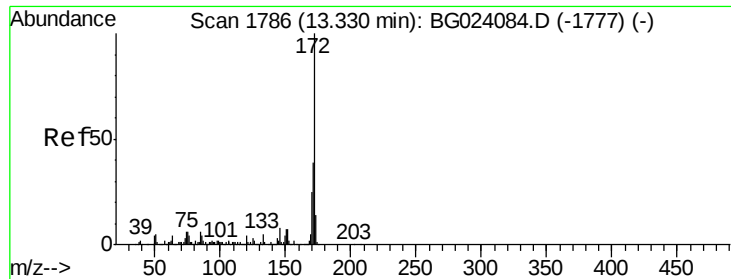
Tgt Ion	Ratio	Lower	Upper
196	100		
198	96.2	78.2	117.2
200	33.4	27.0	40.4



#43
 2,4,5-Trichlorophenol
 Concen: 80.27 ng
 RT: 13.24 min Scan# 1770
 Delta R.T. -0.01 min
 Lab File: BG024093.D
 Acq: 23 Sep 2016 18:47

Tgt Ion	Ratio	Lower	Upper
196	100		
198	100.9	85.7	128.5
97	59.9	45.5	68.3
132	26.3	18.9	28.3

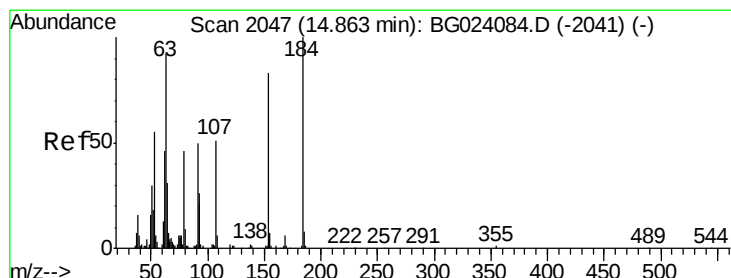
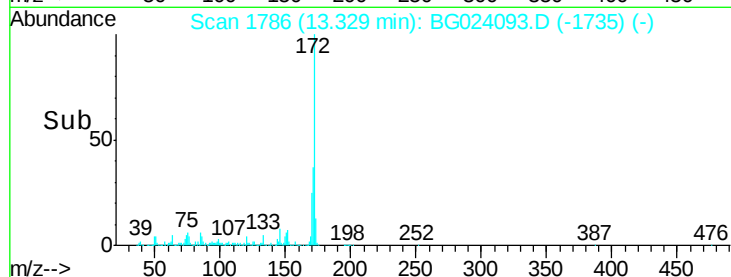
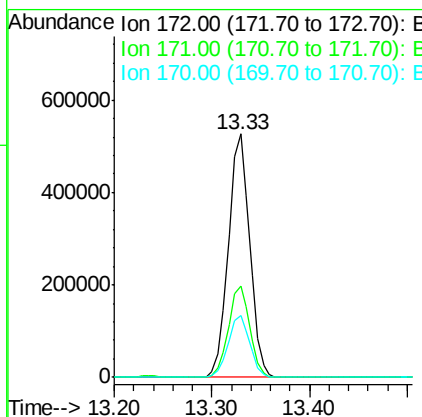
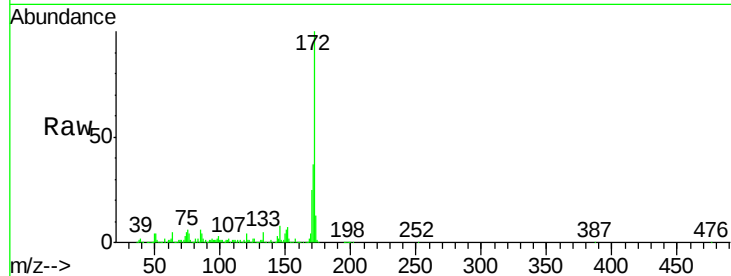




#44
 2-Fluorobiphenyl
 Concen: 84.63 ng
 RT: 13.33 min Scan# 1786
 Delta R.T. -0.00 min
 Lab File: BG024093.D
 Acq: 23 Sep 2016 18:47

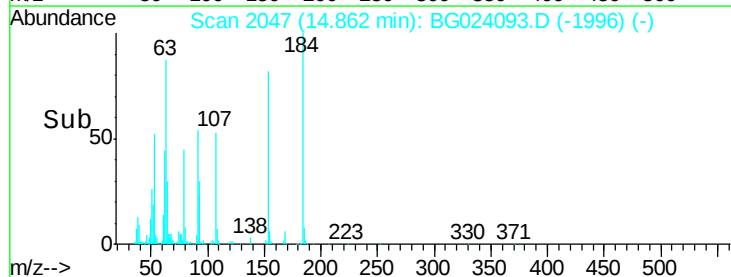
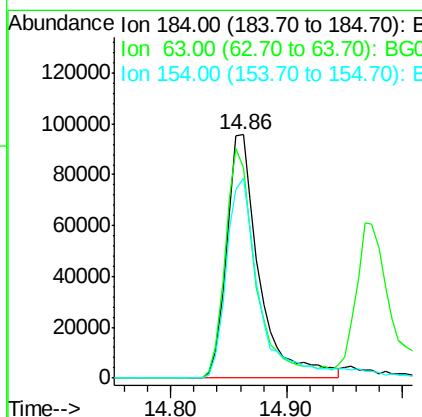
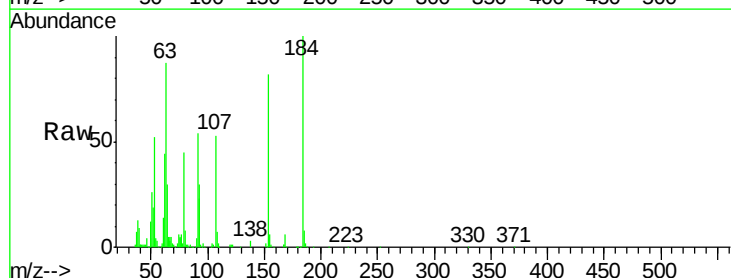
Instrument :
 BNA_G
 ClientSampleId :
 PT-ACIDS-WP

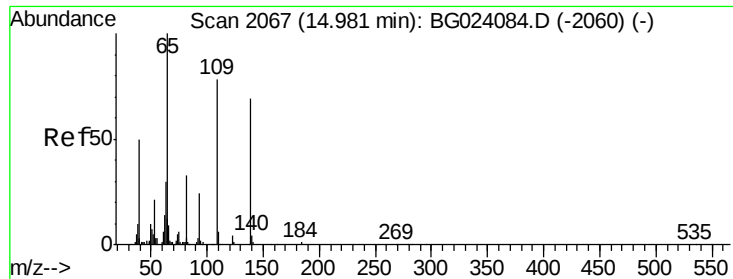
Tgt Ion:172 Resp: 797844
 Ion Ratio Lower Upper
 172 100
 171 37.5 31.6 47.4
 170 25.3 21.3 31.9



#53
 2,4-Dinitrophenol
 Concen: 94.03 ng
 RT: 14.86 min Scan# 2047
 Delta R.T. -0.00 min
 Lab File: BG024093.D
 Acq: 23 Sep 2016 18:47

Tgt Ion:184 Resp: 186236
 Ion Ratio Lower Upper
 184 100
 63 86.5 59.6 89.4
 154 82.3 67.4 101.0

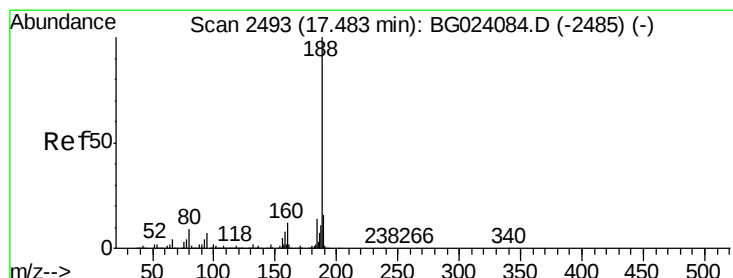
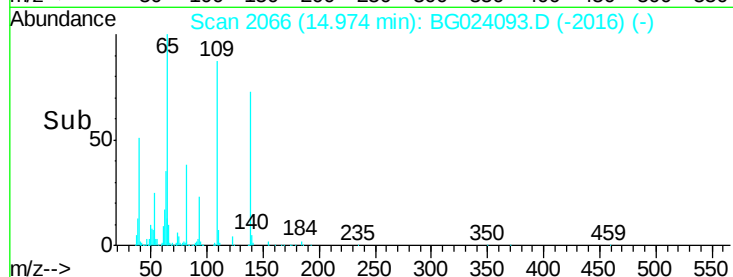
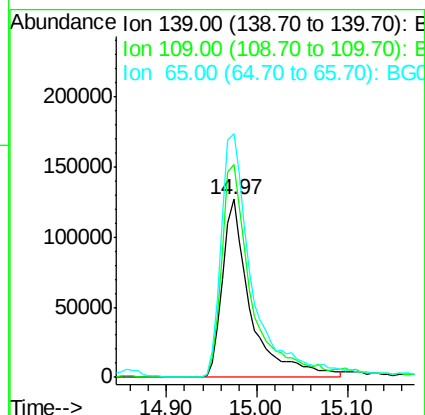
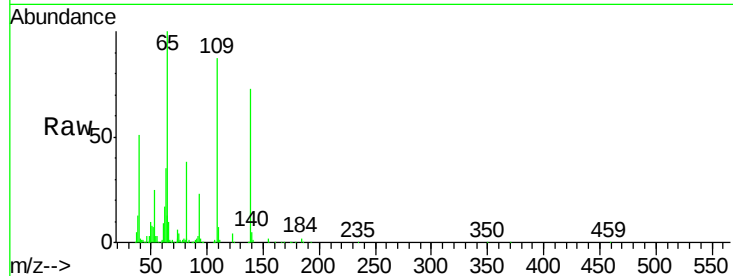




#55
4-Nitrophenol
Concen: 131.65 ng
RT: 14.97 min Scan# 2066
Delta R.T. -0.01 min
Lab File: BG024093.D
Acq: 23 Sep 2016 18:47

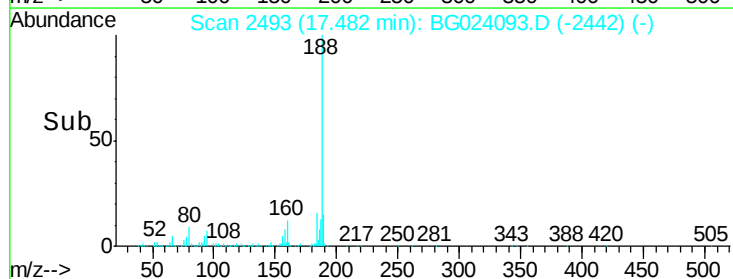
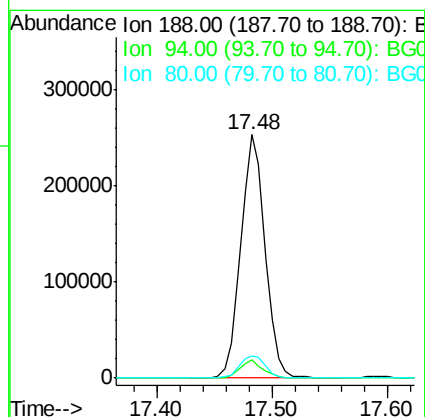
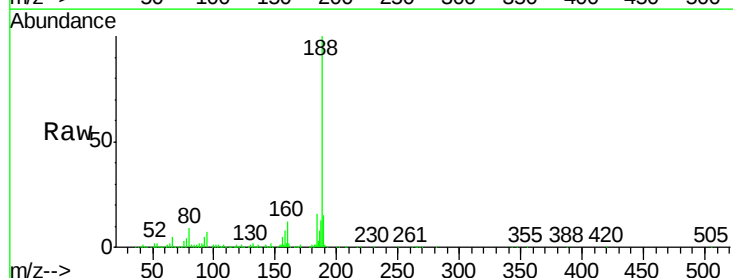
Instrument :
BNA_G
ClientSampleId :
PT-ACIDS-WP

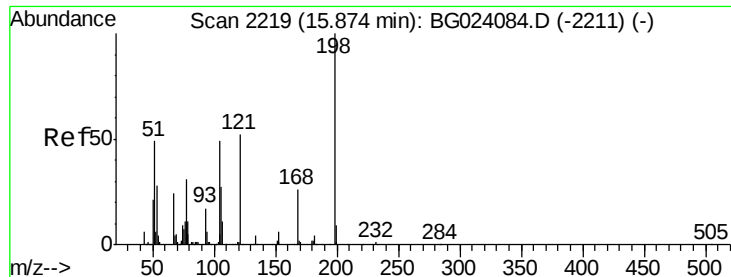
Tgt Ion:139 Resp: 274103
Ion Ratio Lower Upper
139 100
109 119.4 103.0 143.0
65 136.6 112.7 152.7



#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 17.48 min Scan# 2493
Delta R.T. -0.00 min
Lab File: BG024093.D
Acq: 23 Sep 2016 18:47

Tgt Ion:188 Resp: 367788
Ion Ratio Lower Upper
188 100
94 7.4 5.2 7.8
80 9.3 7.2 10.8

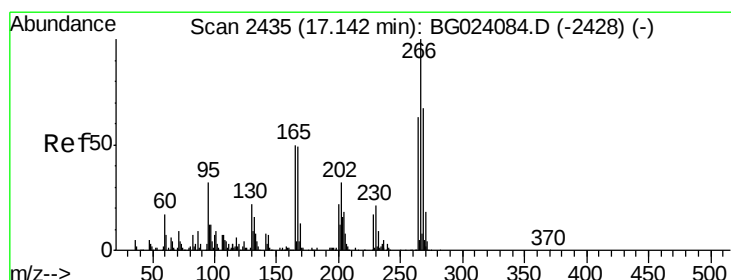
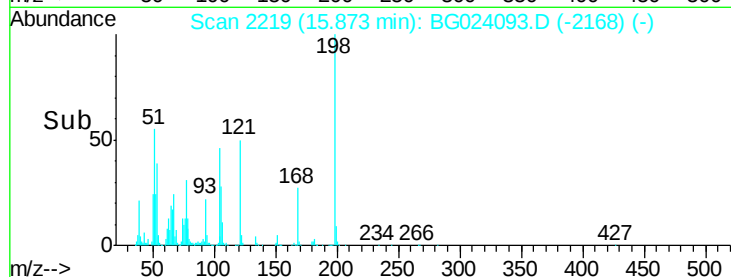
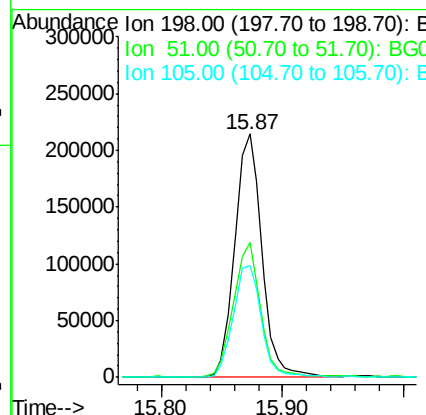
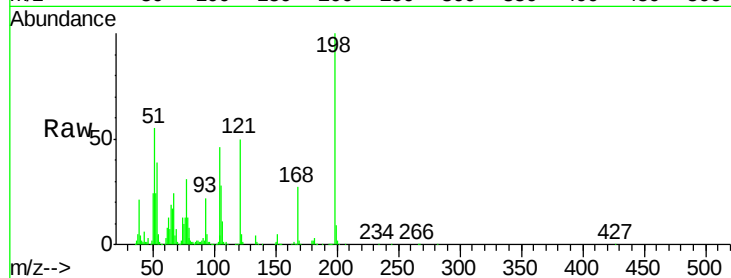




#64
 4,6-Dinitro-2-methylphenol
 Concen: 131.83 ng
 RT: 15.87 min Scan# 2219
 Delta R.T. -0.00 min
 Lab File: BG024093.D
 Acq: 23 Sep 2016 18:47

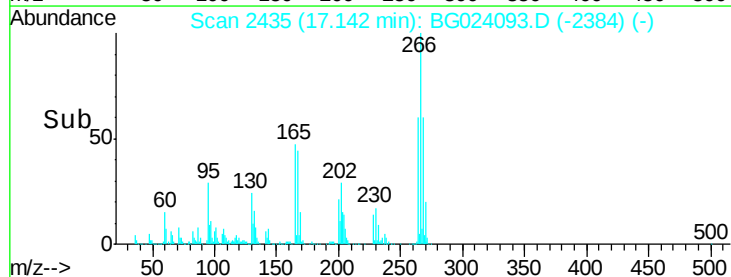
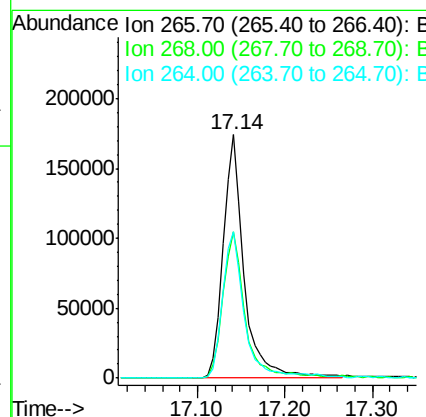
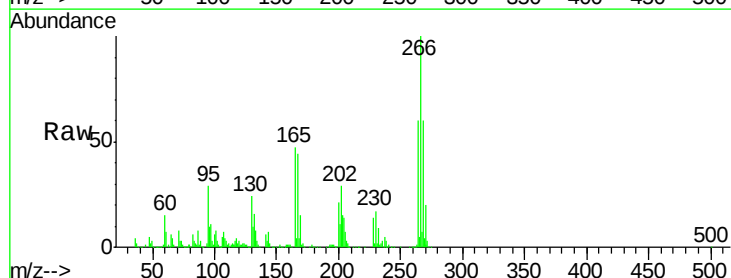
Instrument :
 BNA_G
 ClientSampleId :
 PT-ACIDS-WP

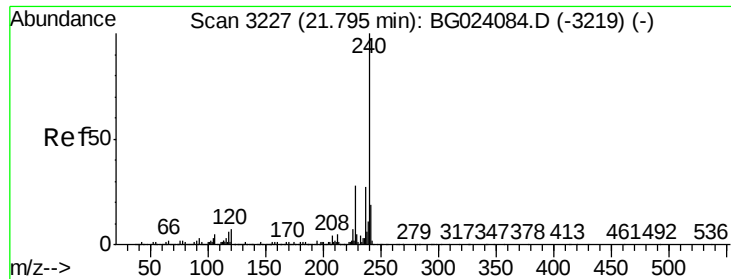
Tgt Ion	Ratio	Lower	Upper
198	100		
51	55.1	26.0	66.0
105	45.9	20.1	60.1



#69
 Pentachlorophenol
 Concen: 114.21 ng
 RT: 17.14 min Scan# 2435
 Delta R.T. -0.00 min
 Lab File: BG024093.D
 Acq: 23 Sep 2016 18:47

Tgt Ion	Ratio	Lower	Upper
266	100		
268	60.3	51.9	77.9
264	60.0	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: BG024093.D

Acq: 23 Sep 2016 18:47

Instrument :

BNA_G

ClientSampleId :

PT-ACIDS-WP

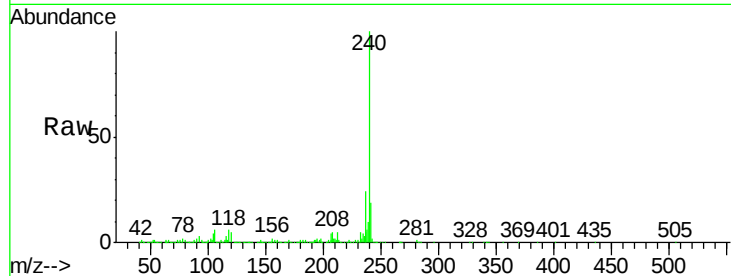
Tgt Ion:240 Resp: 420003

Ion Ratio Lower Upper

240 100

120 5.0 4.1 6.1

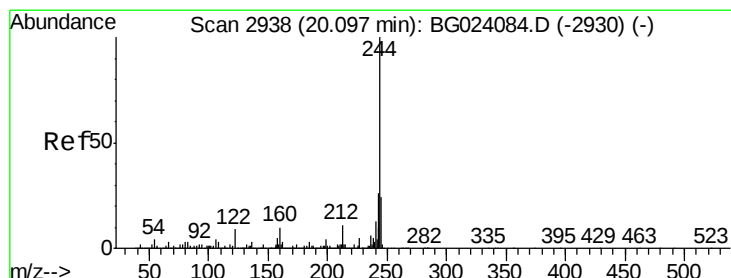
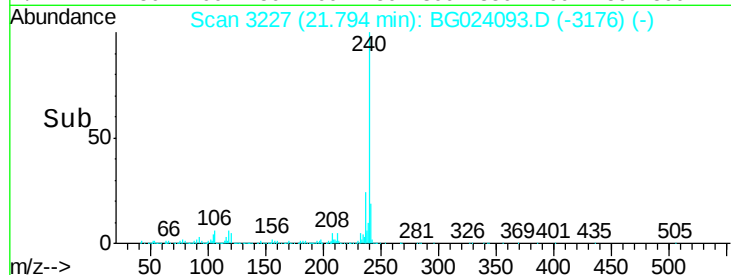
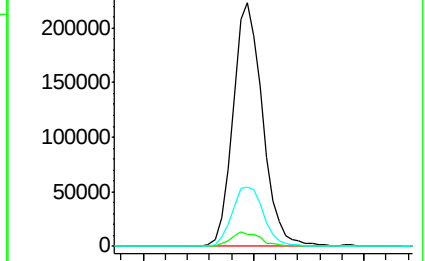
236 24.3 21.1 31.7



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: 75.89 ng

RT: 20.10 min Scan# 2938

Delta R.T. -0.00 min

Lab File: BG024093.D

Acq: 23 Sep 2016 18:47

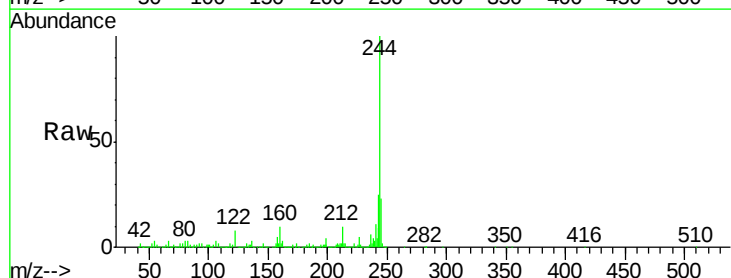
Tgt Ion:244 Resp: 1556548

Ion Ratio Lower Upper

244 100

212 10.1 10.8 16.2#

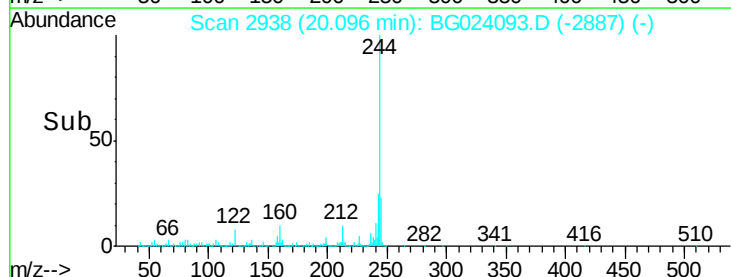
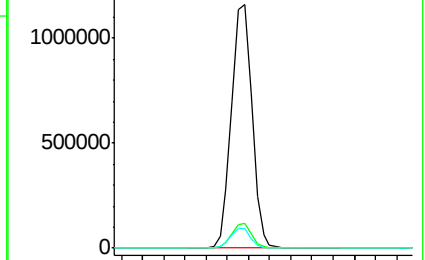
122 8.1 8.0 12.0

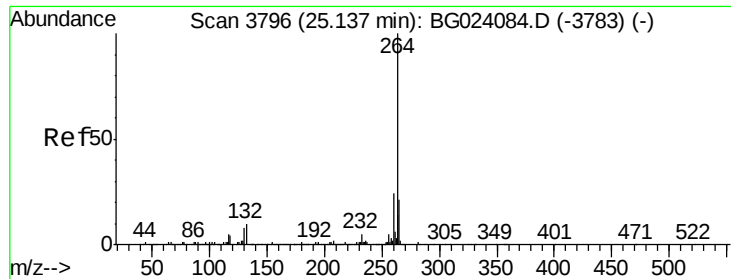


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#86
Perylene-d12
Concen: 20.00 ng
RT: 25.13 min Scan# 3795
Delta R.T. -0.01 min
Lab File: BG024093.D
Acq: 23 Sep 2016 18:47

Instrument :
BNA_G
ClientSampleId :
PT-ACIDS-WP

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.0	18.4	27.6
265	19.8	18.9	28.3

