

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG013017\
 Data File : BG025711.D
 Acq On : 30 Jan 2017 19:12
 Operator : SJ/MA
 Sample : I1305-22DL 5X
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 0035DL

Quant Time: Jan 31 00:22:22 2017
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG013017.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jan 30 18:29:38 2017
 Response via : Initial Calibration

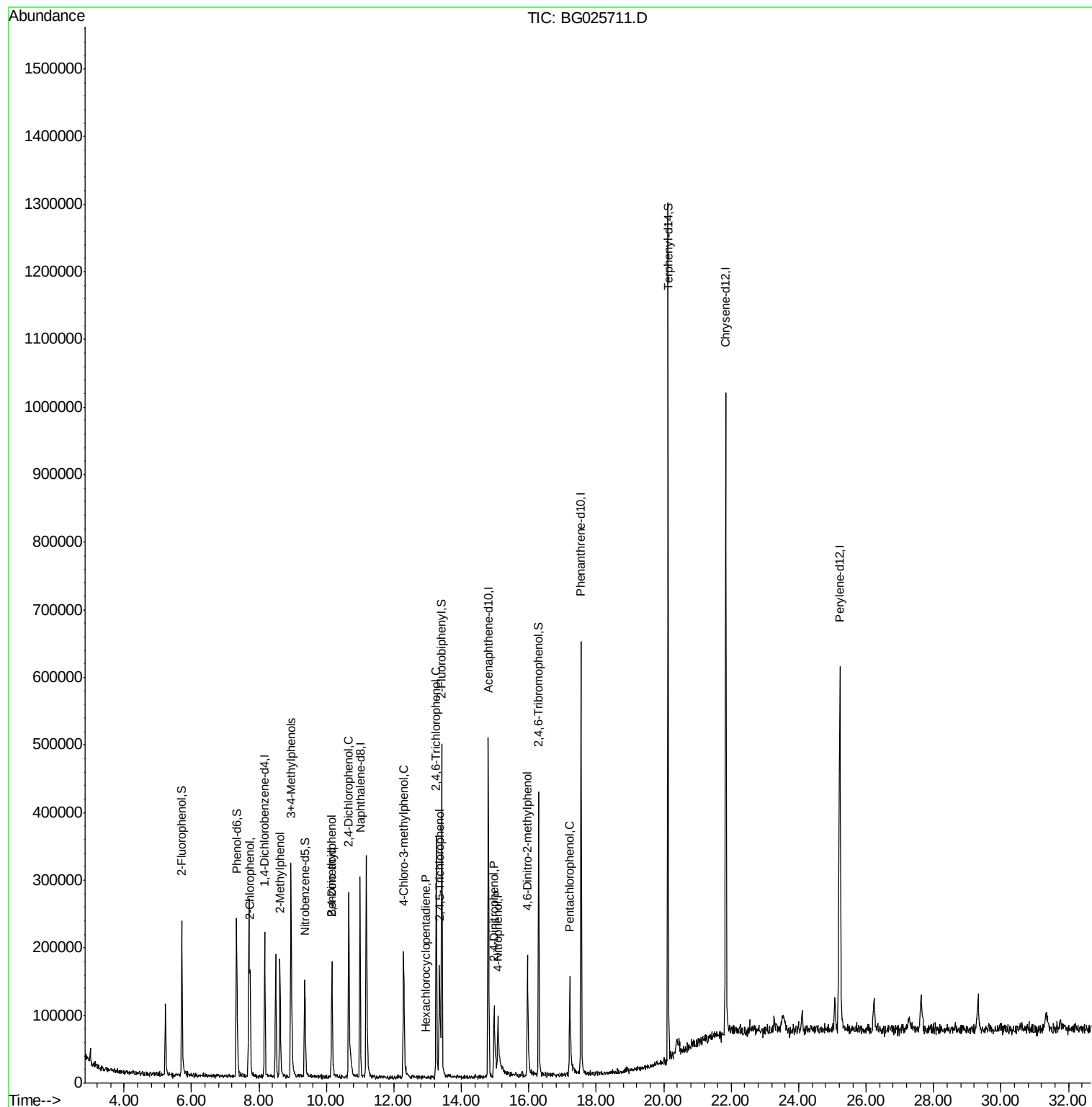
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.17	152	54165	20.00	ng	0.00
21) Naphthalene-d8	10.99	136	235114	20.00	ng	0.00
38) Acenaphthene-d10	14.80	164	179927	20.00	ng	0.00
63) Phenanthrene-d10	17.55	188	410145	20.00	ng	0.00
75) Chrysene-d12	21.83	240	690304	20.00	ng	0.00
86) Perylene-d12	25.22	264	672046	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.70	112	103073	34.10	ng	0.00
7) Phenol-d6	7.33	99	146225	33.13	ng	0.00
23) Nitrobenzene-d5	9.35	82	108630	19.52	ng	0.00
41) 2,4,6-Tribromophenol	16.29	330	78508	30.60	ng	0.00
44) 2-Fluorobiphenyl	13.42	172	233469	21.07	ng	0.00
78) Terphenyl-d14	20.13	244	572631	20.02	ng	0.00
Target Compounds						Qvalue
8) 2-Chlorophenol	7.73	128	59564	17.36	ng	99
17) 2-Methylphenol	8.62	107	51653	15.24	ng	# 90
20) 3+4-Methylphenols	8.95	107	167838	36.29	ng	85
27) 2,4-Dimethylphenol	10.16	122	49311	13.15	ng	93
29) 2,4-Dichlorophenol	10.66	162	121239	31.51	ng	97
32) Benzoic acid	10.16	122	49311	24.87	ng	# 11
36) 4-Chloro-3-methylphenol	12.28	107	76304	16.28	ng	95
40) Hexachlorocyclopentadiene	12.94	237	107	10.72	ng	# 29
42) 2,4,6-Trichlorophenol	13.25	196	96181	27.27	ng	# 94
43) 2,4,5-Trichlorophenol	13.34	196	72951	19.16	ng	# 91
53) 2,4-Dinitrophenol	14.97	184	32173	24.90	ng	89
55) 4-Nitrophenol	15.08	139	25771	16.30	ng	# 77
64) 4,6-Dinitro-2-methylphenol	15.96	198	56756	19.47	ng	93
69) Pentachlorophenol	17.21	266	42655	17.31	ng	91

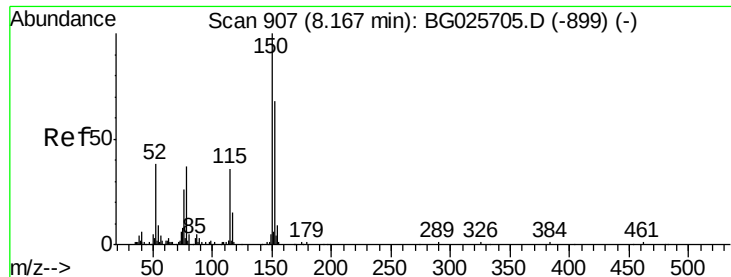
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 8.17 min Scan# 908

Delta R.T. 0.00 min

Lab File: BG025711.D

Acq: 30 Jan 2017 19:12

Instrument :

BNA_G

ClientSampleId :

0035DL

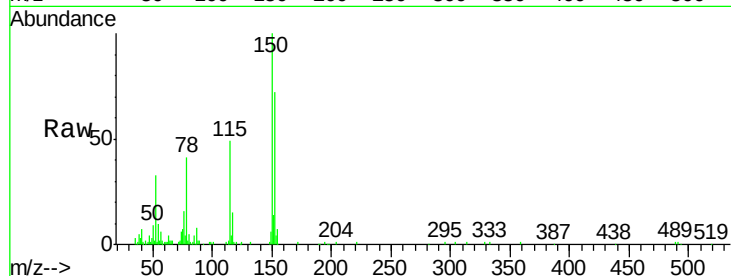
Tgt Ion:152 Resp: 54165

Ion Ratio Lower Upper

152 100

150 138.7 114.0 171.0

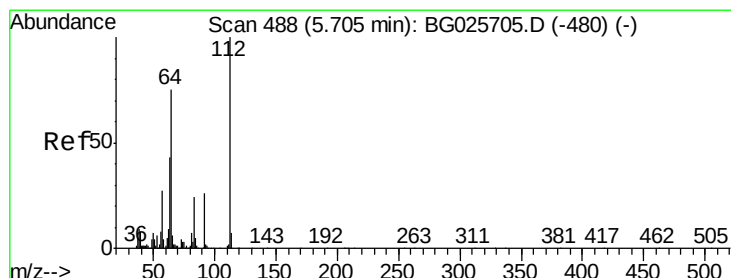
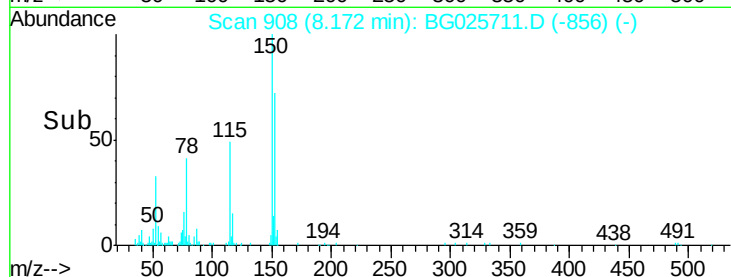
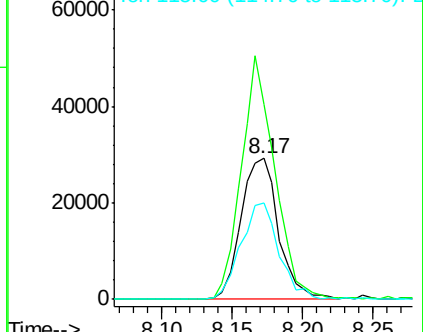
115 68.5 48.1 72.1



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: 34.10 ng

RT: 5.70 min Scan# 488

Delta R.T. -0.00 min

Lab File: BG025711.D

Acq: 30 Jan 2017 19:12

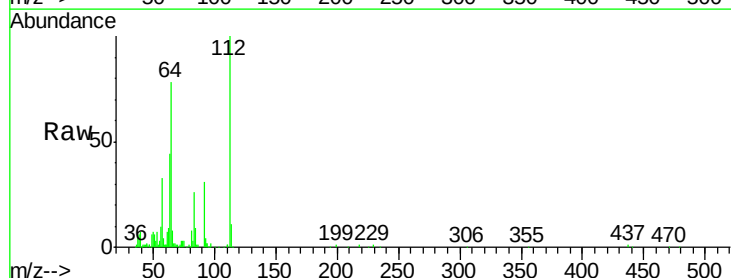
Tgt Ion:112 Resp: 103073

Ion Ratio Lower Upper

112 100

64 78.5 61.8 92.6

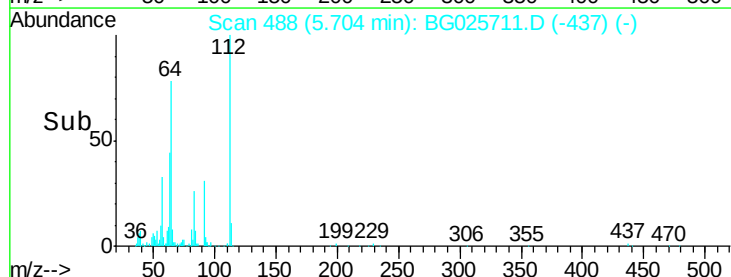
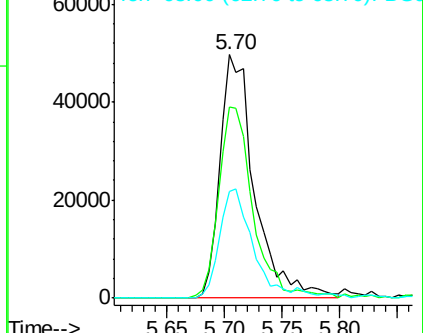
63 44.0 37.2 55.8

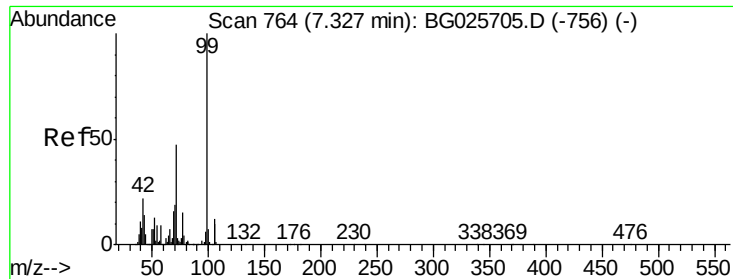


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BGC

Ion 63.00 (62.70 to 63.70): BGC





#7

Phenol-d6

Concen: 33.13 ng

RT: 7.33 min Scan# 765

Delta R.T. 0.00 min

Lab File: BG025711.D

Acq: 30 Jan 2017 19:12

Instrument :

BNA_G

ClientSampleId :

0035DL

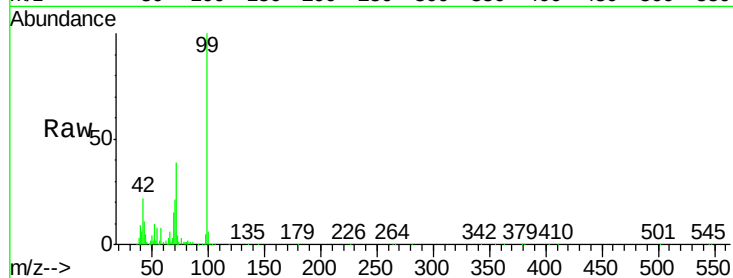
Tgt Ion: 99 Resp: 146225

Ion Ratio Lower Upper

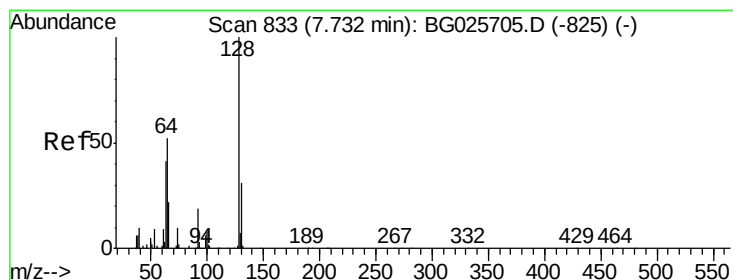
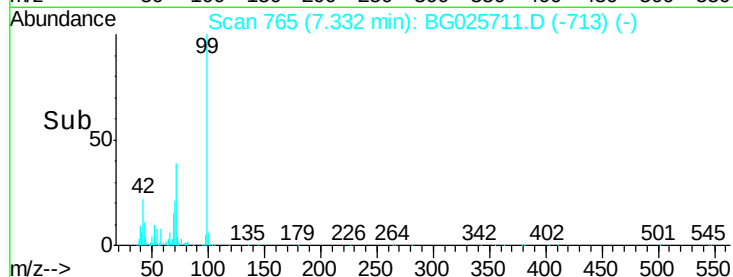
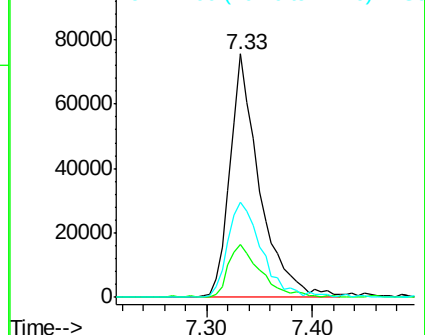
99 100

42 21.5 20.5 30.7

71 39.1 37.6 56.4



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: 17.36 ng

RT: 7.73 min Scan# 833

Delta R.T. -0.00 min

Lab File: BG025711.D

Acq: 30 Jan 2017 19:12

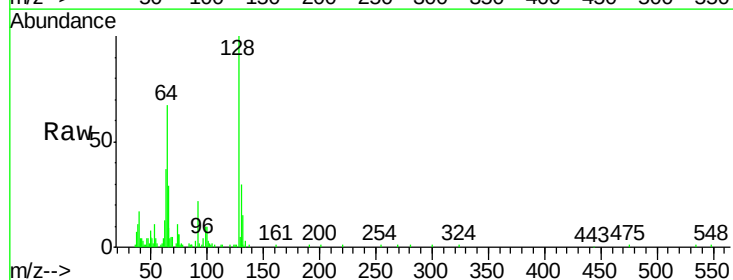
Tgt Ion: 128 Resp: 59564

Ion Ratio Lower Upper

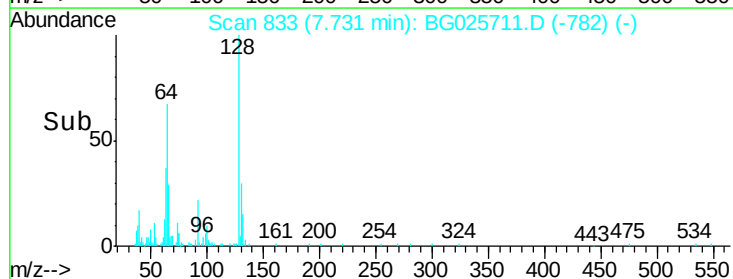
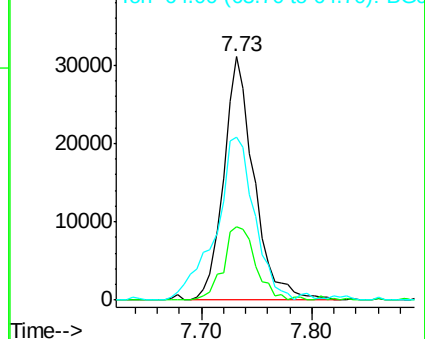
128 100

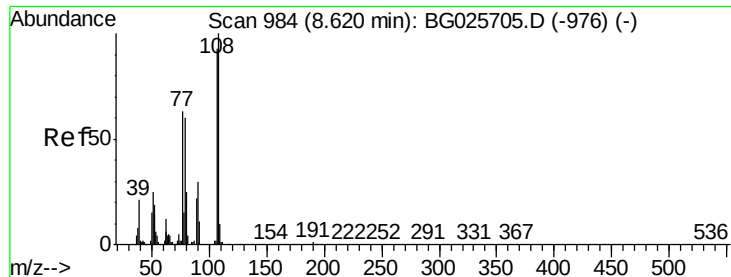
130 30.3 11.4 51.4

64 66.9 46.6 86.6



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





#17

2-Methylphenol

Concen: 15.24 ng

RT: 8.62 min Scan# 985

Delta R.T. 0.00 min

Lab File: BG025711.D

Acq: 30 Jan 2017 19:12

Instrument :

BNA_G

ClientSampleId :

0035DL

Tgt Ion:107 Resp: 51653

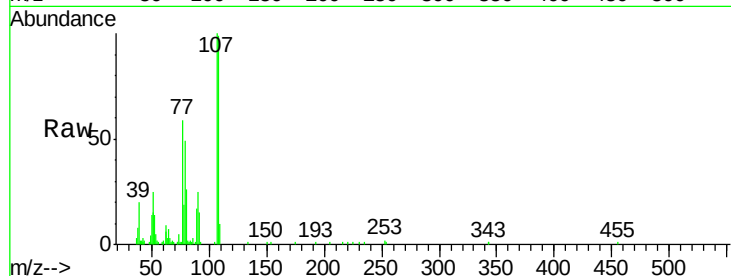
Ion Ratio Lower Upper

107 100

108 98.8 85.6 128.4

77 59.4 51.4 77.2

79 48.6 49.2 73.8#

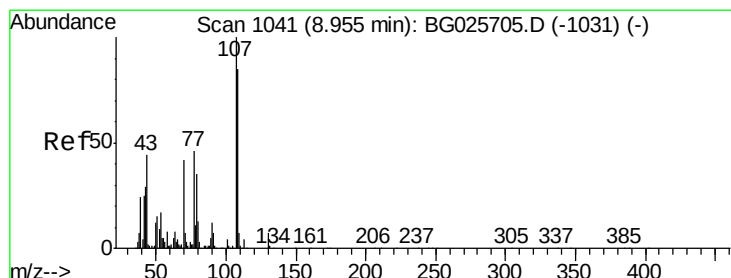
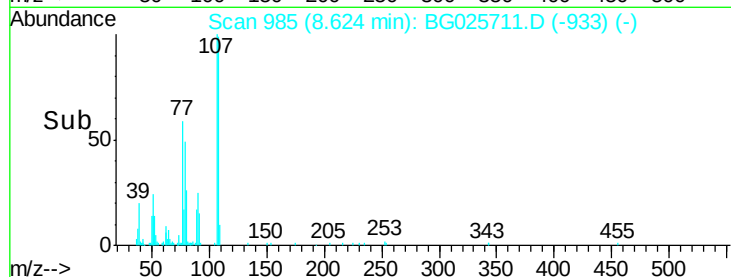
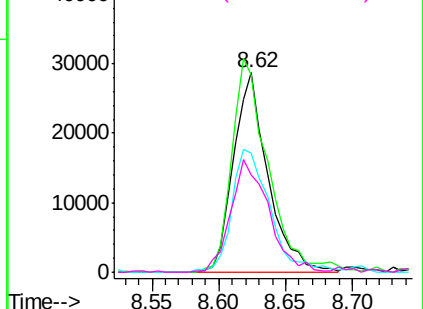


Abundance Ion 107.00 (106.70 to 107.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 77.00 (76.70 to 77.70): BGC

Ion 79.00 (78.70 to 79.70): BGC



#20

3+4-Methylphenols

Concen: 36.29 ng

RT: 8.95 min Scan# 1040

Delta R.T. -0.01 min

Lab File: BG025711.D

Acq: 30 Jan 2017 19:12

Tgt Ion:107 Resp: 167838

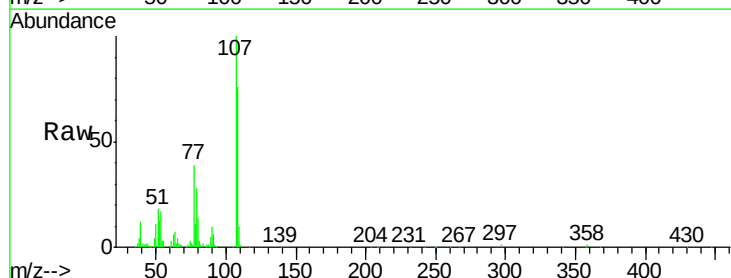
Ion Ratio Lower Upper

107 100

108 75.8 70.8 110.8

77 39.2 25.8 65.8

79 28.0 20.1 60.1

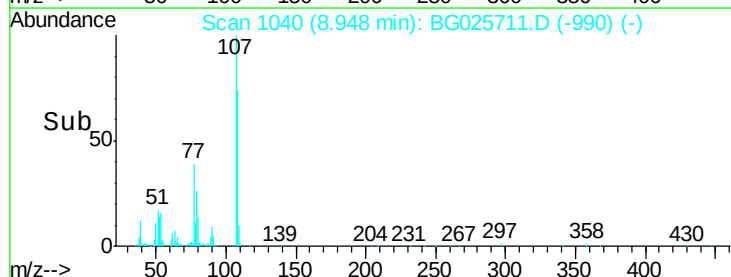
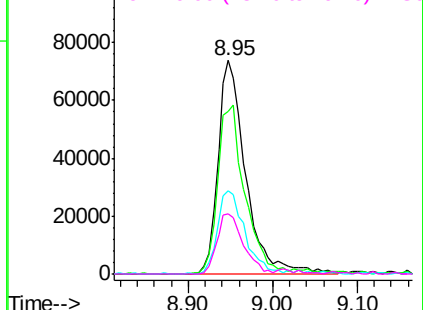


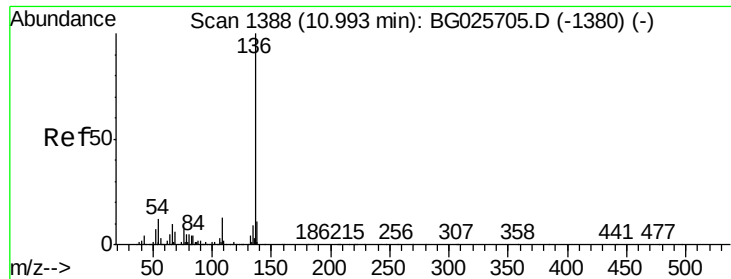
Abundance Ion 107.00 (106.70 to 107.70): E

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

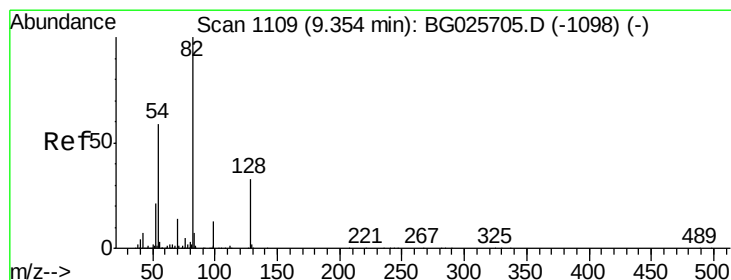
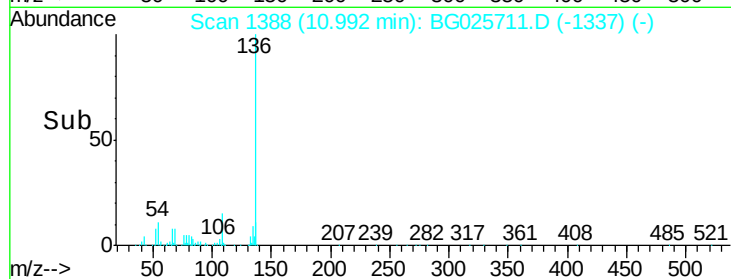
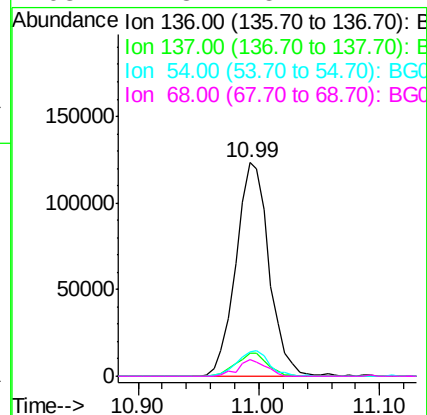
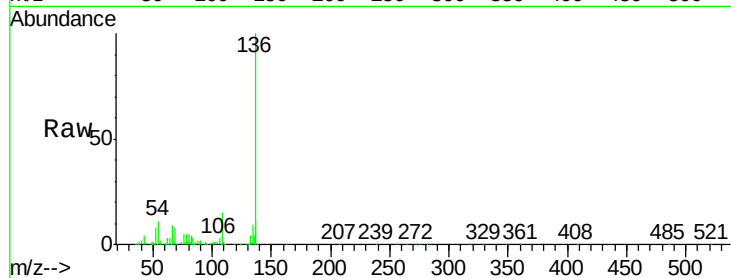




#21
Naphthalene-d8
Concen: 20.00 ng
RT: 10.99 min Scan# 1388
Delta R.T. -0.00 min
Lab File: BG025711.D
Acq: 30 Jan 2017 19:12

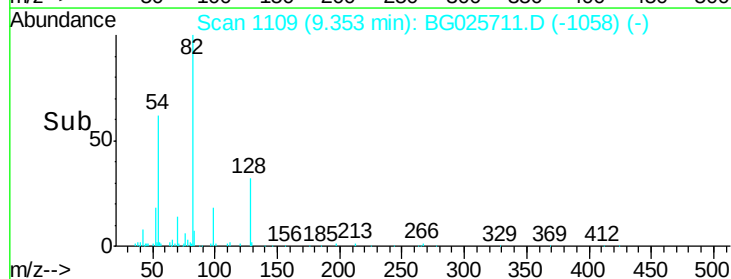
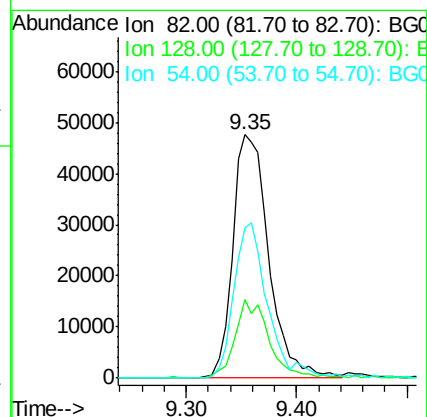
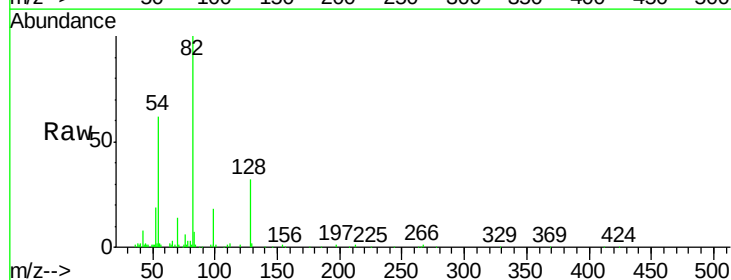
Instrument :
BNA_G
ClientSampleId :
0035DL

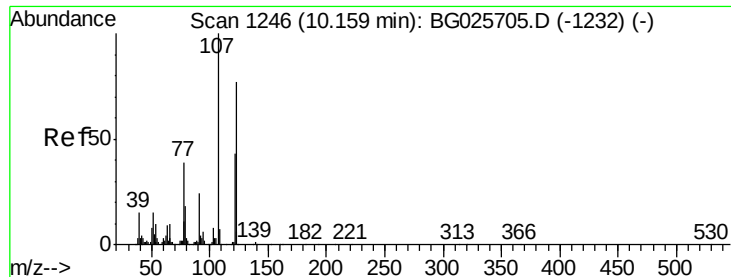
Tgt Ion:	136	Resp:	235114
Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.9	13.3
54	11.4	9.3	13.9
68	7.8	5.1	7.7#



#23
Nitrobenzene-d5
Concen: 19.52 ng
RT: 9.35 min Scan# 1109
Delta R.T. -0.00 min
Lab File: BG025711.D
Acq: 30 Jan 2017 19:12

Tgt Ion:	82	Resp:	108630
Ion	Ratio	Lower	Upper
82	100		
128	32.2	26.4	39.6
54	61.6	49.4	74.2

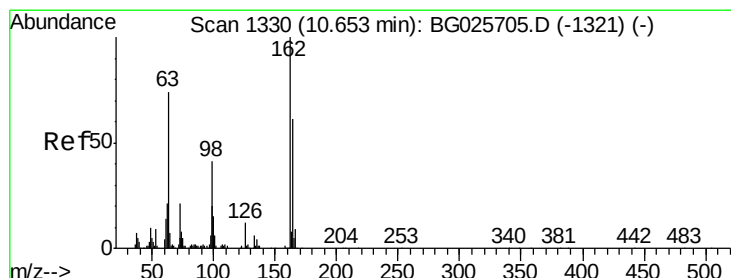
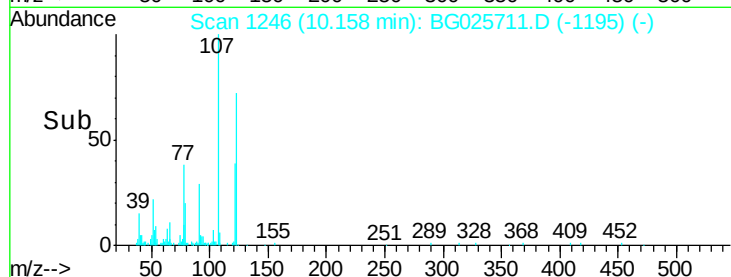
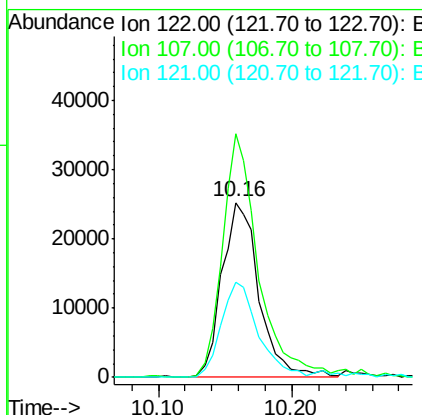
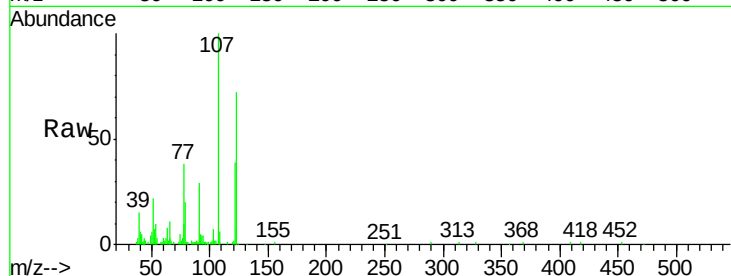




#27
2,4-Dimethylphenol
Concen: 13.15 ng
RT: 10.16 min Scan# 1246
Delta R.T. -0.00 min
Lab File: BG025711.D
Acq: 30 Jan 2017 19:12

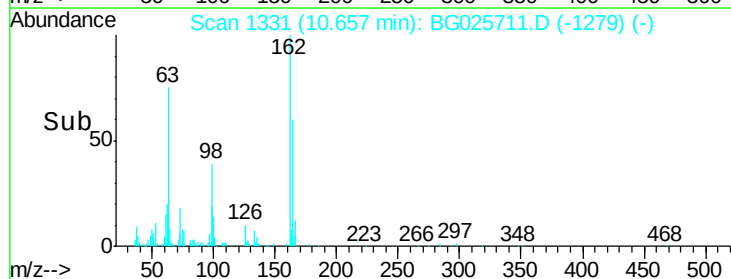
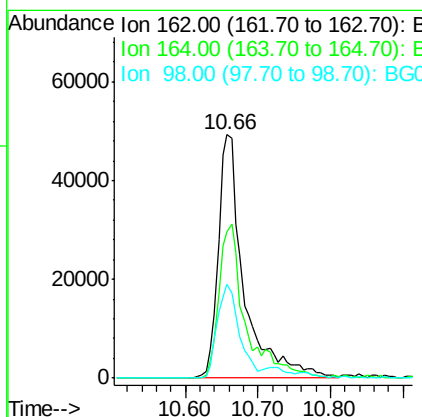
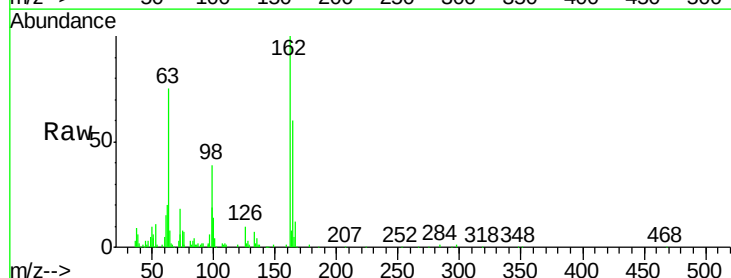
Instrument :
BNA_G
ClientSampleId :
0035DL

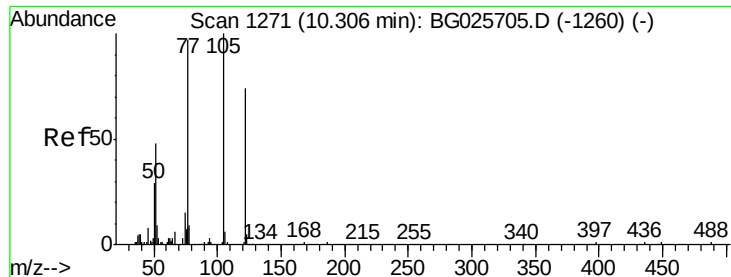
Tgt Ion	Ratio	Lower	Upper
122	100		
107	139.2	104.2	156.4
121	54.2	46.0	69.0



#29
2,4-Dichlorophenol
Concen: 31.51 ng
RT: 10.66 min Scan# 1331
Delta R.T. 0.00 min
Lab File: BG025711.D
Acq: 30 Jan 2017 19:12

Tgt Ion	Ratio	Lower	Upper
162	100		
164	59.9	42.4	82.4
98	38.6	20.3	60.3





#32

Benzoic acid

Concen: 24.87 ng

RT: 10.16 min Scan# 1246

Delta R.T. -0.15 min

Lab File: BG025711.D

Acq: 30 Jan 2017 19:12

Instrument :

BNA_G

ClientSampleId :

0035DL

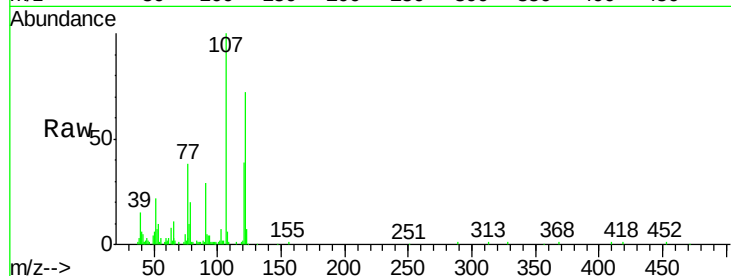
Tgt Ion:122 Resp: 49311

Ion Ratio Lower Upper

122 100

105 2.4 120.1 160.1#

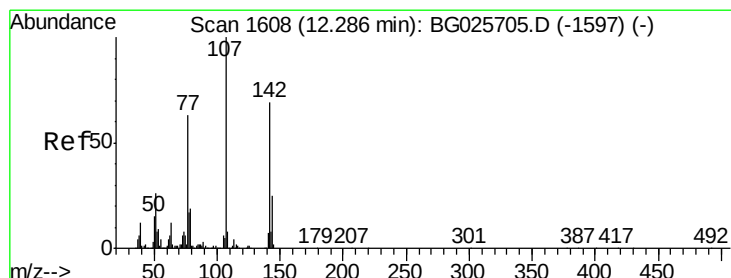
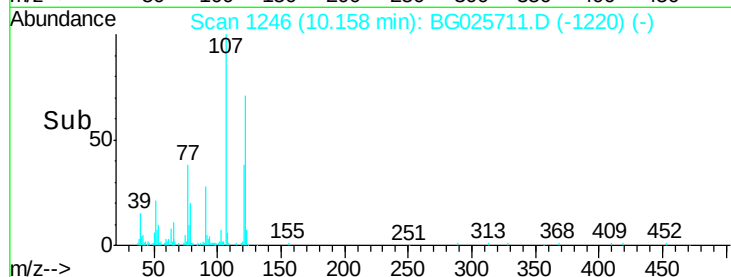
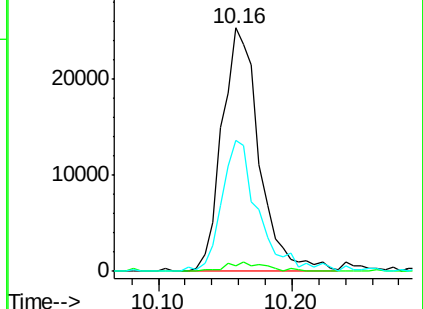
77 53.5 104.6 144.6#



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): BGC



#36

4-Chloro-3-methylphenol

Concen: 16.28 ng

RT: 12.28 min Scan# 1608

Delta R.T. -0.00 min

Lab File: BG025711.D

Acq: 30 Jan 2017 19:12

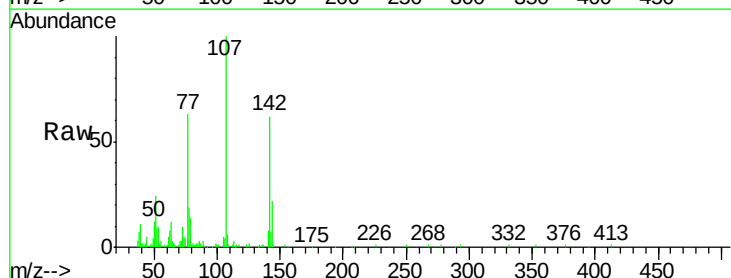
Tgt Ion:107 Resp: 76304

Ion Ratio Lower Upper

107 100

144 21.5 17.4 26.0

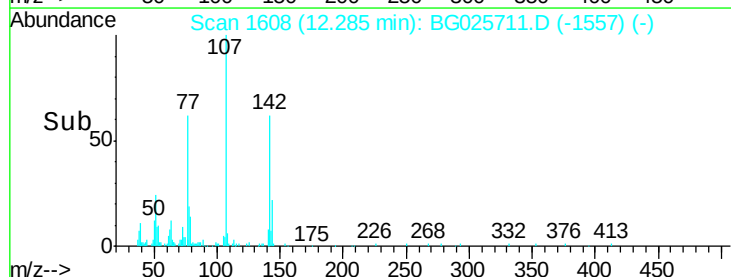
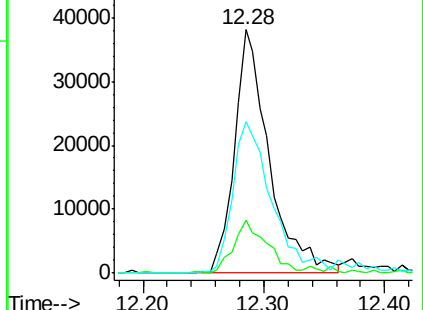
142 62.5 54.1 81.1

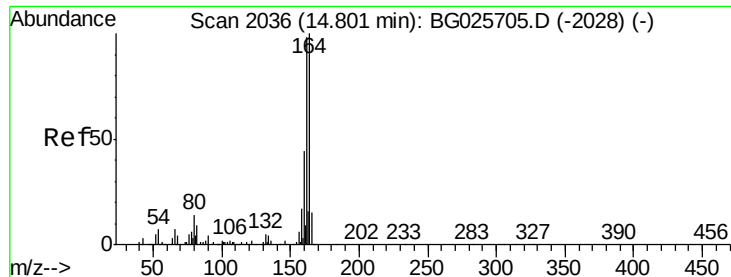


Abundance Ion 107.00 (106.70 to 107.70): E

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: 14.80 min Scan# 2036

Delta R.T. -0.00 min

Lab File: BG025711.D

Acq: 30 Jan 2017 19:12

Instrument :

BNA_G

ClientSampleId :

0035DL

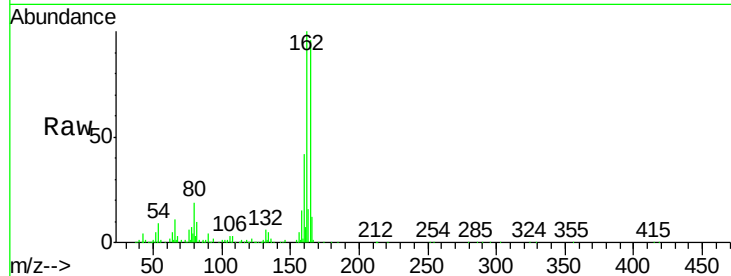
Tgt Ion:164 Resp: 179927

Ion Ratio Lower Upper

164 100

162 104.2 85.1 127.7

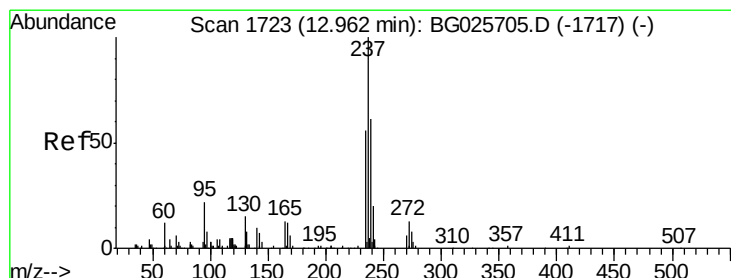
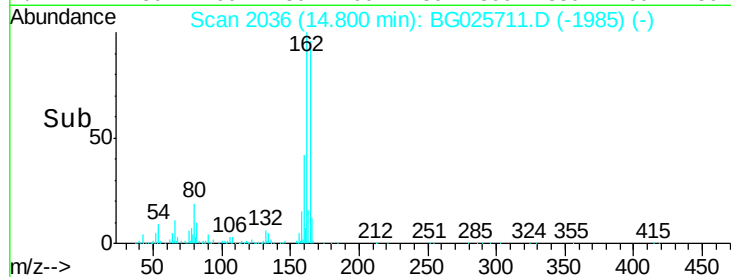
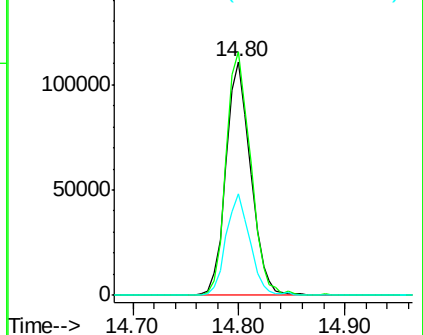
160 43.6 34.7 52.1



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



#40

Hexachlorocyclopentadiene

Concen: 10.72 ng

RT: 12.94 min Scan# 1719

Delta R.T. -0.02 min

Lab File: BG025711.D

Acq: 30 Jan 2017 19:12

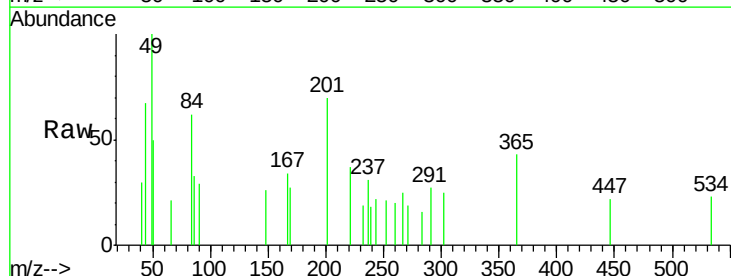
Tgt Ion:237 Resp: 107

Ion Ratio Lower Upper

237 100

235 0.0 39.4 79.4#

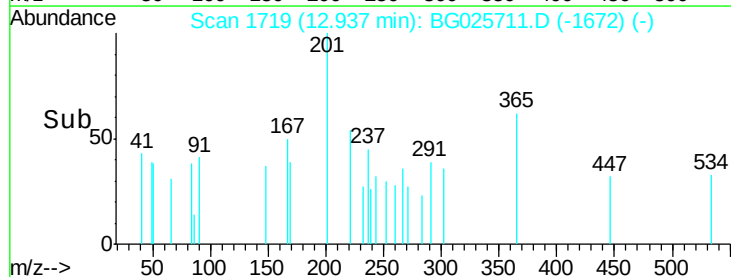
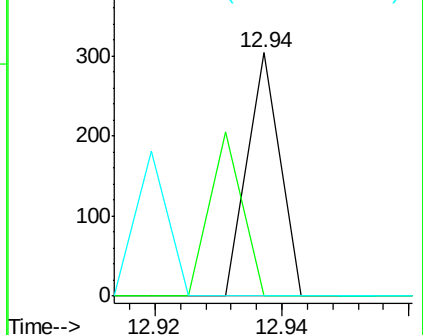
272 0.0 0.0 32.0

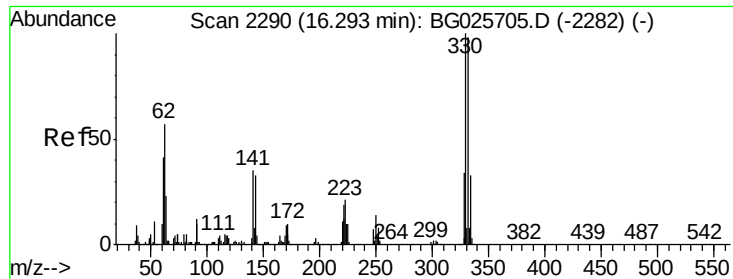


Abundance Ion 236.80 (236.50 to 237.50): E

Ion 234.90 (234.60 to 235.60): E

Ion 271.75 (271.45 to 272.45): E

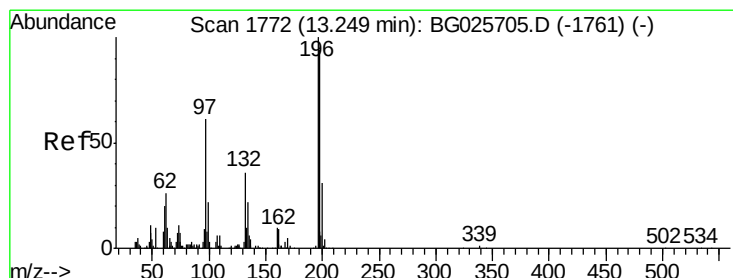
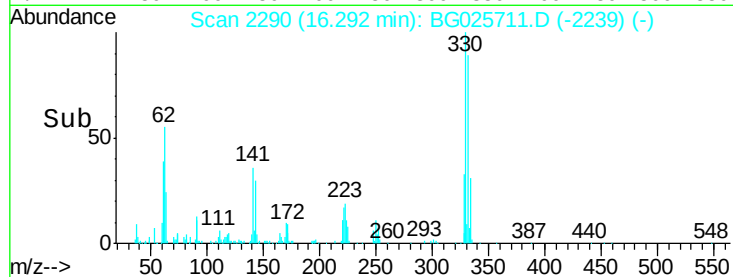
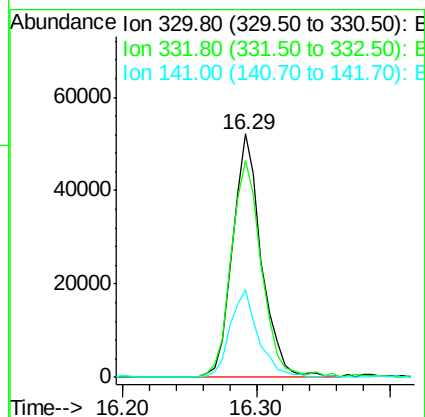
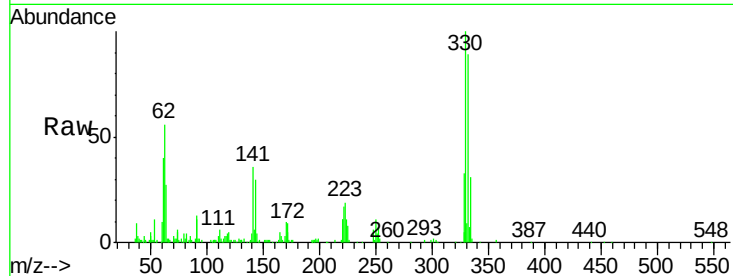




#41
 2,4,6-Tribromophenol
 Concen: 30.60 ng
 RT: 16.29 min Scan# 2290
 Delta R.T. -0.00 min
 Lab File: BG025711.D
 Acq: 30 Jan 2017 19:12

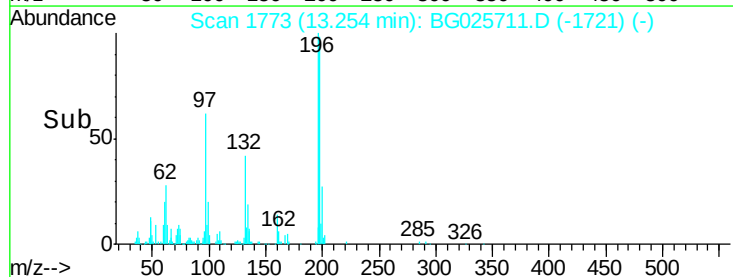
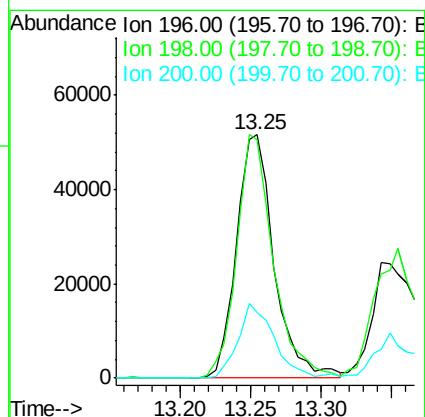
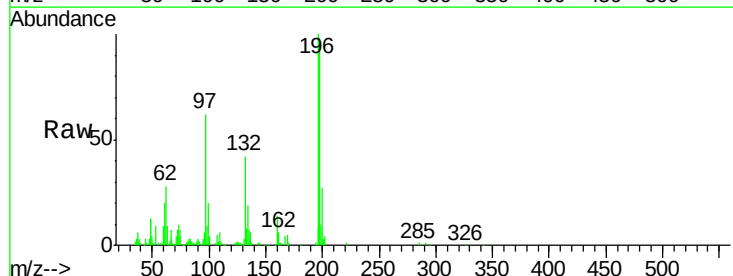
Instrument :
 BNA_G
 ClientSampleId :
 0035DL

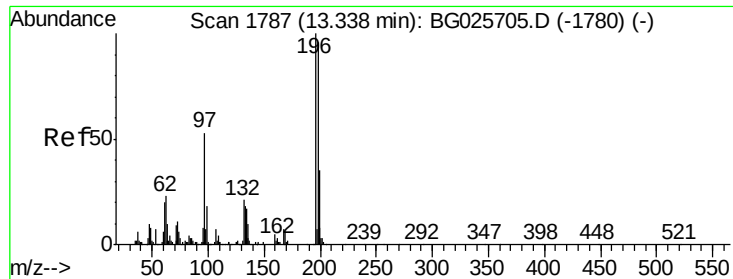
Tgt Ion: 330 Resp: 78508
 Ion Ratio Lower Upper
 330 100
 332 93.0 77.3 115.9
 141 35.4 32.1 48.1



#42
 2,4,6-Trichlorophenol
 Concen: 27.27 ng
 RT: 13.25 min Scan# 1773
 Delta R.T. 0.00 min
 Lab File: BG025711.D
 Acq: 30 Jan 2017 19:12

Tgt Ion: 196 Resp: 96181
 Ion Ratio Lower Upper
 196 100
 198 98.0 81.4 122.2
 200 27.0 27.0 40.6#

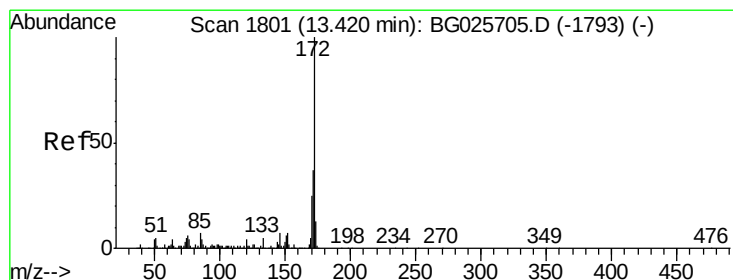
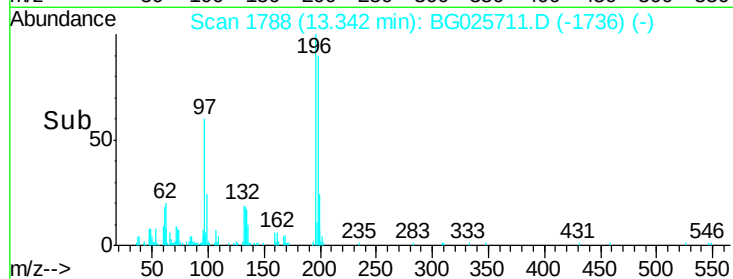
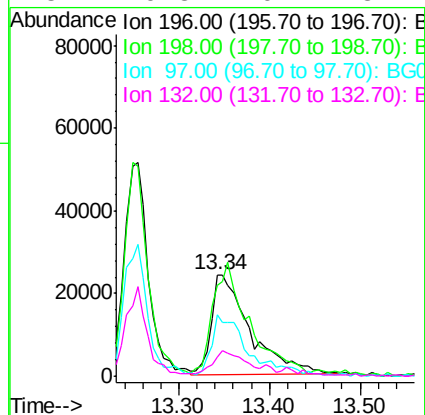
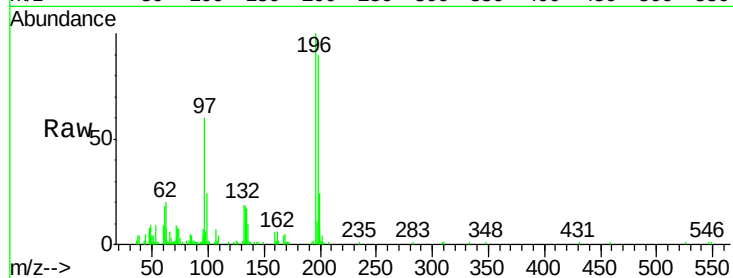




#43
 2,4,5-Trichlorophenol
 Concen: 19.16 ng
 RT: 13.34 min Scan# 1788
 Delta R.T. 0.00 min
 Lab File: BG025711.D
 Acq: 30 Jan 2017 19:12

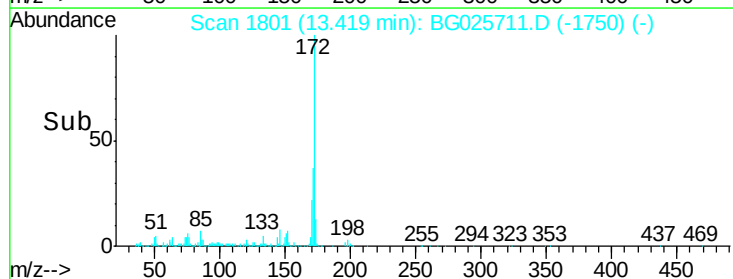
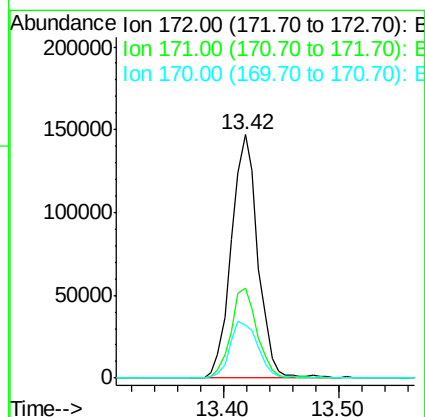
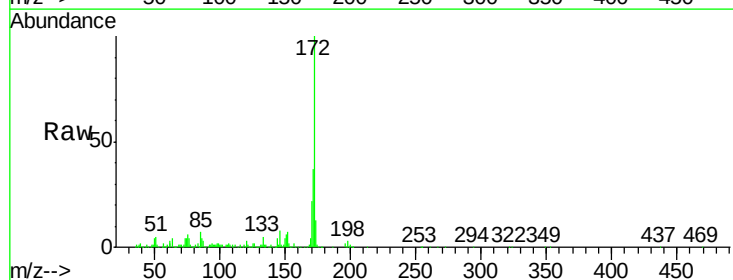
Instrument :
 BNA_G
 ClientSampleId :
 0035DL

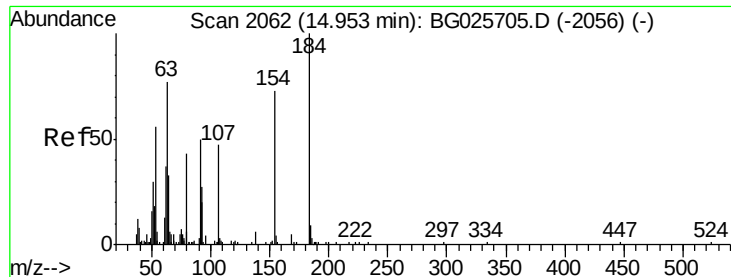
Tgt Ion:196 Resp: 72951
 Ion Ratio Lower Upper
 196 100
 198 90.1 79.9 119.9
 97 60.3 45.4 68.0
 132 19.3 20.7 31.1#



#44
 2-Fluorobiphenyl
 Concen: 21.07 ng
 RT: 13.42 min Scan# 1801
 Delta R.T. -0.00 min
 Lab File: BG025711.D
 Acq: 30 Jan 2017 19:12

Tgt Ion:172 Resp: 233469
 Ion Ratio Lower Upper
 172 100
 171 36.9 32.2 48.2
 170 21.8 21.8 32.6

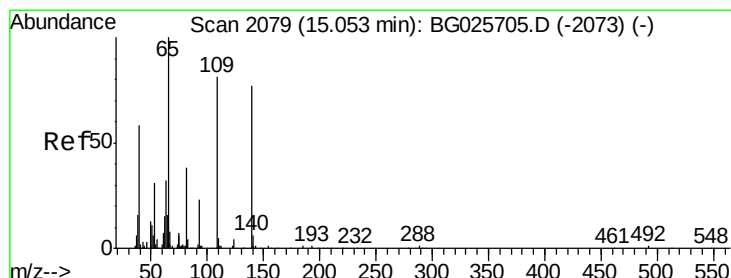
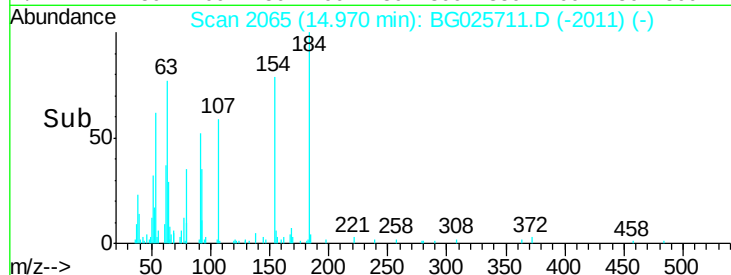
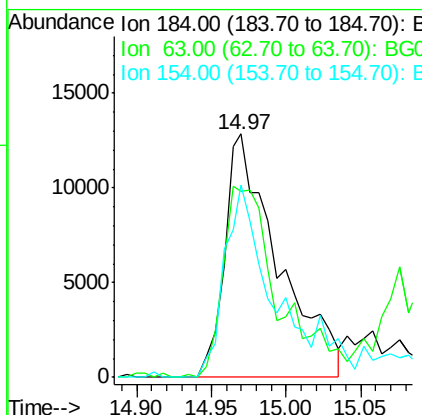
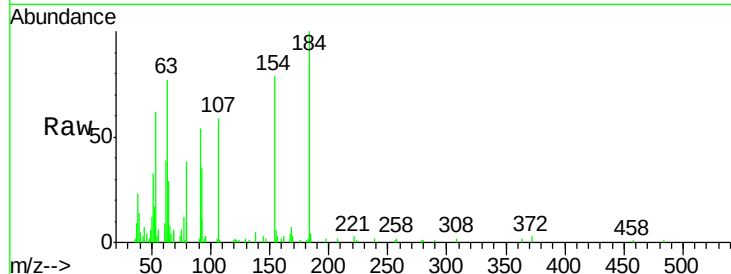




#53
2,4-Dinitrophenol
Concen: 24.90 ng
RT: 14.97 min Scan# 2065
Delta R.T. 0.02 min
Lab File: BG025711.D
Acq: 30 Jan 2017 19:12

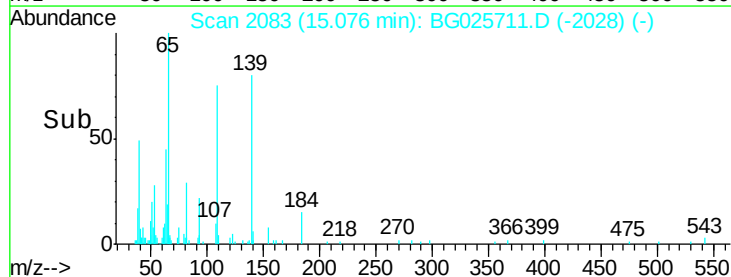
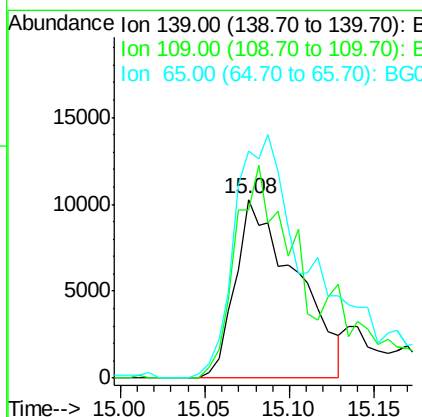
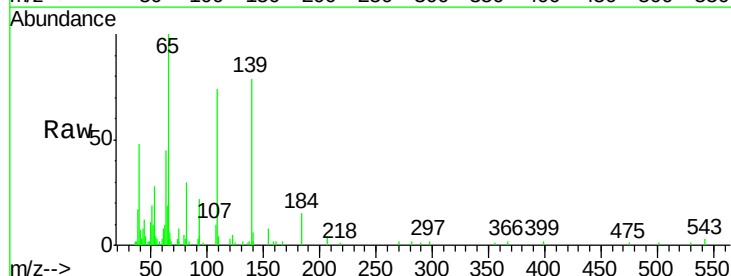
Instrument :
BNA_G
ClientSampleId :
0035DL

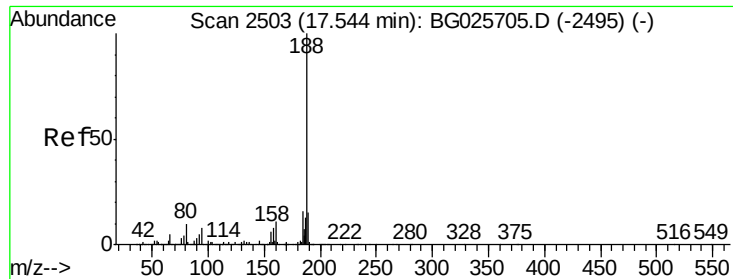
Tgt Ion:184 Resp: 32173
Ion Ratio Lower Upper
184 100
63 76.5 52.7 79.1
154 78.8 57.3 85.9



#55
4-Nitrophenol
Concen: 16.30 ng
RT: 15.08 min Scan# 2083
Delta R.T. 0.02 min
Lab File: BG025711.D
Acq: 30 Jan 2017 19:12

Tgt Ion:139 Resp: 25771
Ion Ratio Lower Upper
139 100
109 94.0 101.2 141.2#
65 127.3 135.3 175.3#

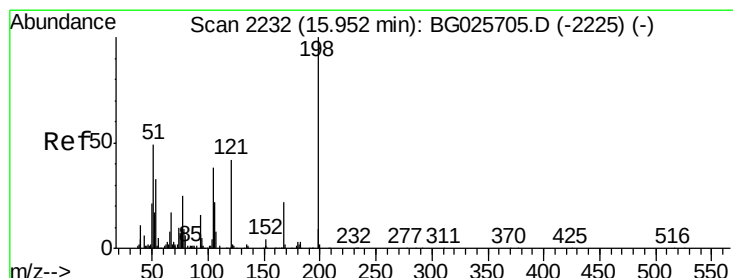
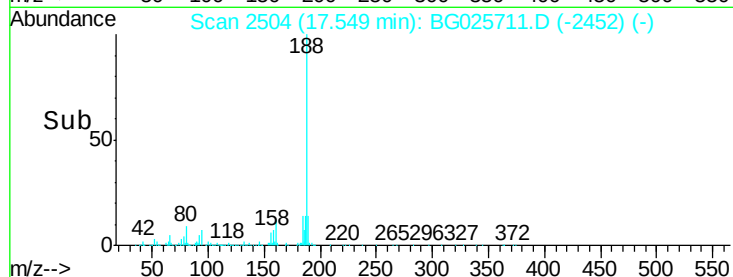
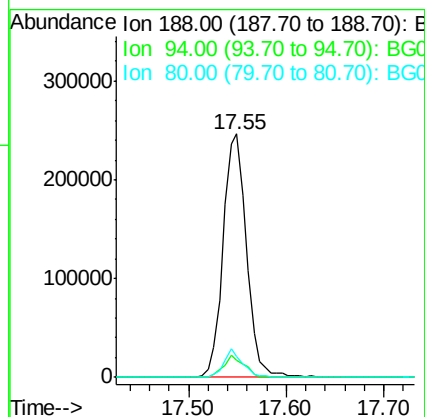
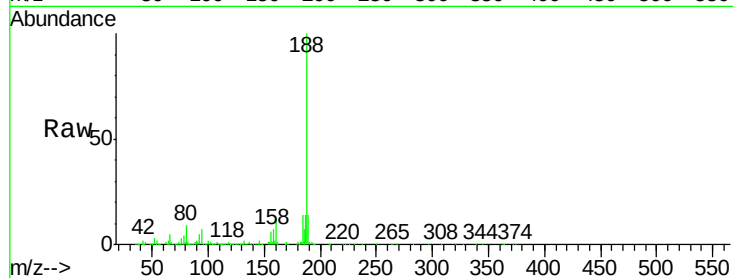




#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 17.55 min Scan# 2504
Delta R.T. 0.00 min
Lab File: BG025711.D
Acq: 30 Jan 2017 19:12

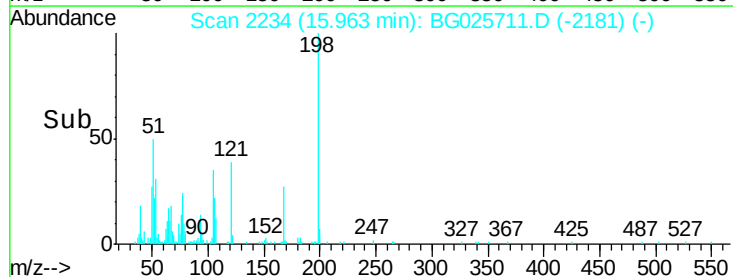
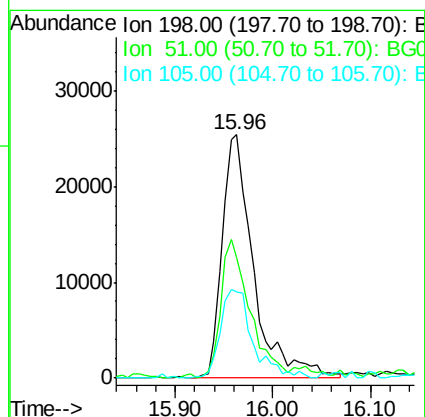
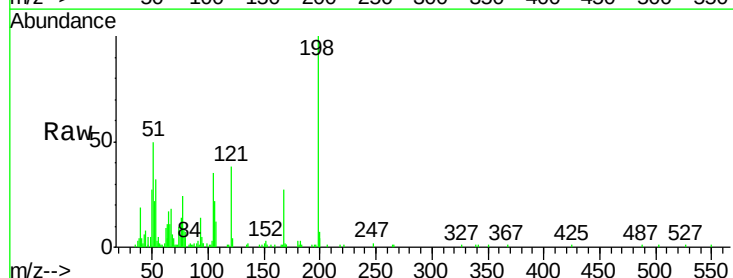
Instrument :
BNA_G
ClientSampleId :
0035DL

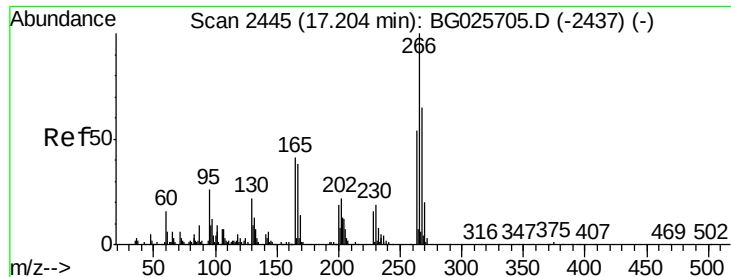
Tgt Ion:188 Resp: 410145
Ion Ratio Lower Upper
188 100
94 7.2 5.8 8.8
80 8.7 7.5 11.3



#64
4,6-Dinitro-2-methylphenol
Concen: 19.47 ng
RT: 15.96 min Scan# 2234
Delta R.T. 0.01 min
Lab File: BG025711.D
Acq: 30 Jan 2017 19:12

Tgt Ion:198 Resp: 56756
Ion Ratio Lower Upper
198 100
51 49.7 22.6 62.6
105 35.2 14.4 54.4





#69

Pentachlorophenol

Concen: 17.31 ng

RT: 17.21 min Scan# 2447

Delta R.T. 0.01 min

Lab File: BG025711.D

Acq: 30 Jan 2017 19:12

Instrument :

BNA_G

ClientSampleId :

0035DL

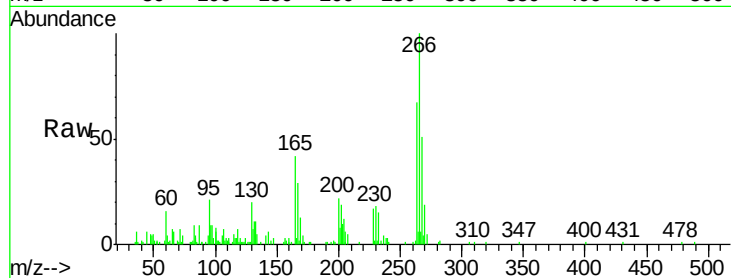
Tgt Ion:266 Resp: 42655

Ion Ratio Lower Upper

266 100

268 50.6 48.6 72.8

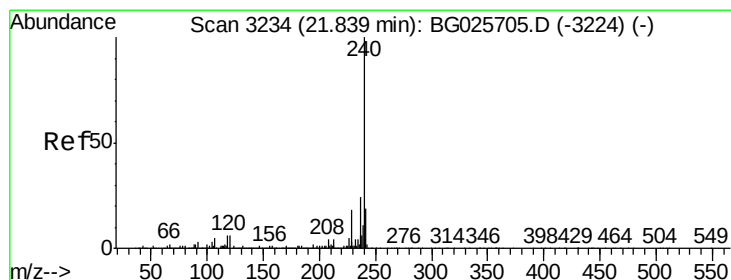
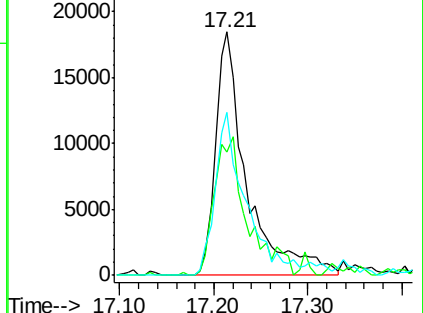
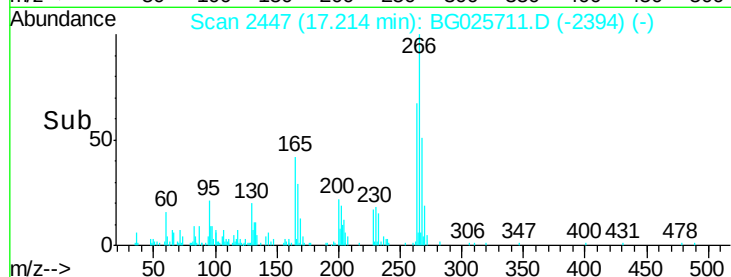
264 66.7 50.1 75.1



Abundance Ion 265.70 (265.40 to 266.40): E

Ion 268.00 (267.70 to 268.70): E

Ion 264.00 (263.70 to 264.70): E



#75

Chrysene-d12

Concen: 20.00 ng

RT: 21.83 min Scan# 3233

Delta R.T. -0.01 min

Lab File: BG025711.D

Acq: 30 Jan 2017 19:12

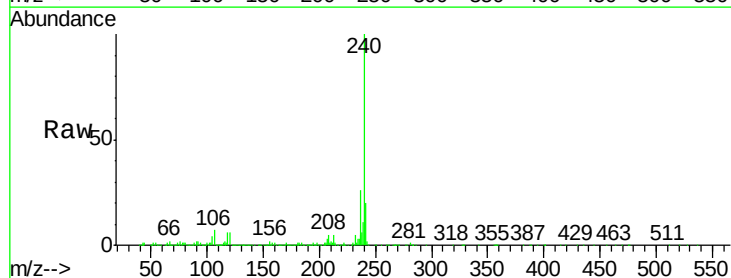
Tgt Ion:240 Resp: 690304

Ion Ratio Lower Upper

240 100

120 6.3 5.7 8.5

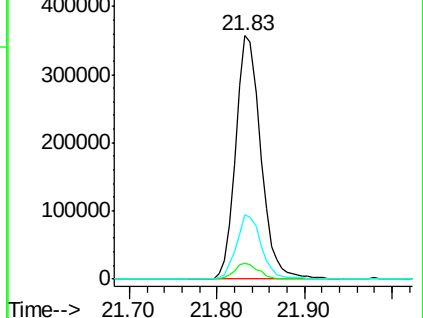
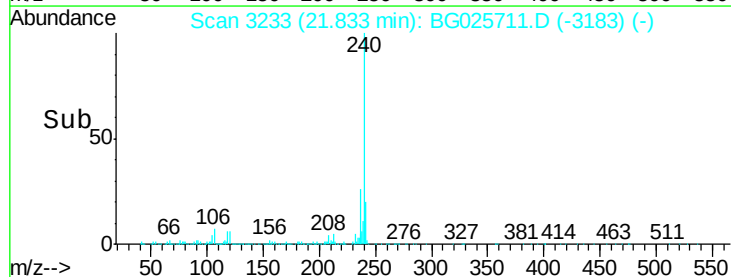
236 26.4 22.2 33.4

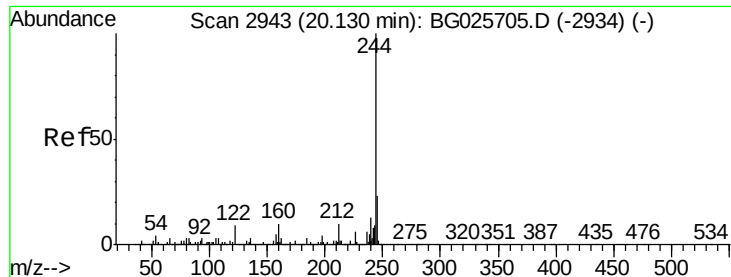


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#78

Terphenyl-d14

Concen: 20.02 ng

RT: 20.13 min Scan# 2943

Delta R.T. -0.00 min

Lab File: BG025711.D

Acq: 30 Jan 2017 19:12

Instrument :

BNA_G

ClientSampleId :

0035DL

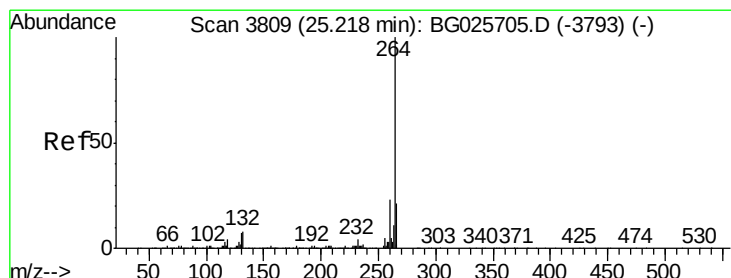
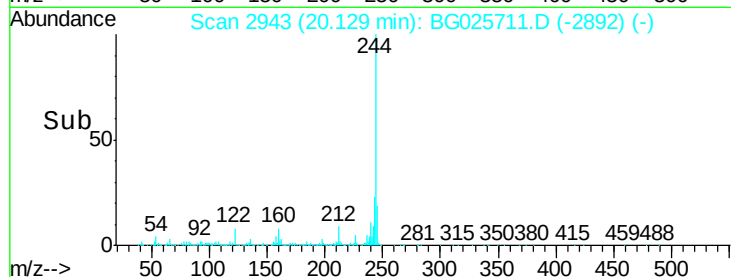
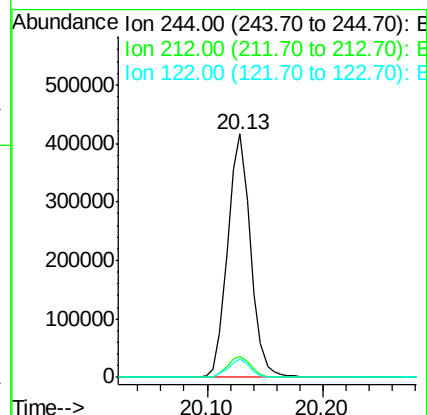
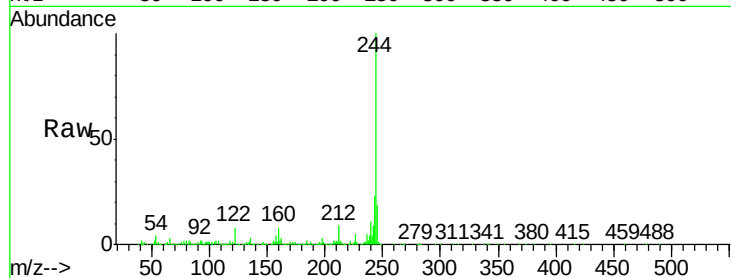
Tgt Ion:244 Resp: 572631

Ion Ratio Lower Upper

244 100

212 8.7 10.0 15.0#

122 7.6 8.6 12.8#



#86

Perylene-d12

Concen: 20.00 ng

RT: 25.22 min Scan# 3809

Delta R.T. -0.00 min

Lab File: BG025711.D

Acq: 30 Jan 2017 19:12

Tgt Ion:264 Resp: 672046

Ion Ratio Lower Upper

264 100

260 22.1 21.8 32.8

265 21.0 18.2 27.4

