

Data Path : Z:\HPCHEM1\BNA_G\Data\BG080216\
 Data File : BG023397.D
 Acq On : 2 Aug 2016 12:01
 Operator : UM/SJ
 Sample : H4145-12DL 5X
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 9535DL

Quant Time: Aug 02 15:52:27 2016
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG080116.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Aug 01 19:22:14 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.12	152	113803	20.00	ng	0.00
21) Naphthalene-d8	10.95	136	508981	20.00	ng	0.00
38) Acenaphthene-d10	14.78	164	352469	20.00	ng	0.00
63) Phenanthrene-d10	17.54	188	900367	20.00	ng	0.00
75) Chrysene-d12	21.86	240	987328	20.00	ng	0.00
86) Perylene-d12	25.24	264	995679	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.66	112	199707	29.54	ng	0.00
7) Phenol-d6	7.27	99	309704	29.41	ng	0.00
23) Nitrobenzene-d5	9.29	82	193424	18.89	ng	0.00
41) 2,4,6-Tribromophenol	16.28	330	152717	29.62	ng	0.00
44) 2-Fluorobiphenyl	13.39	172	462559	22.13	ng	0.00
78) Terphenyl-d14	20.15	244	844965	9.86	ng	0.00

Target Compounds

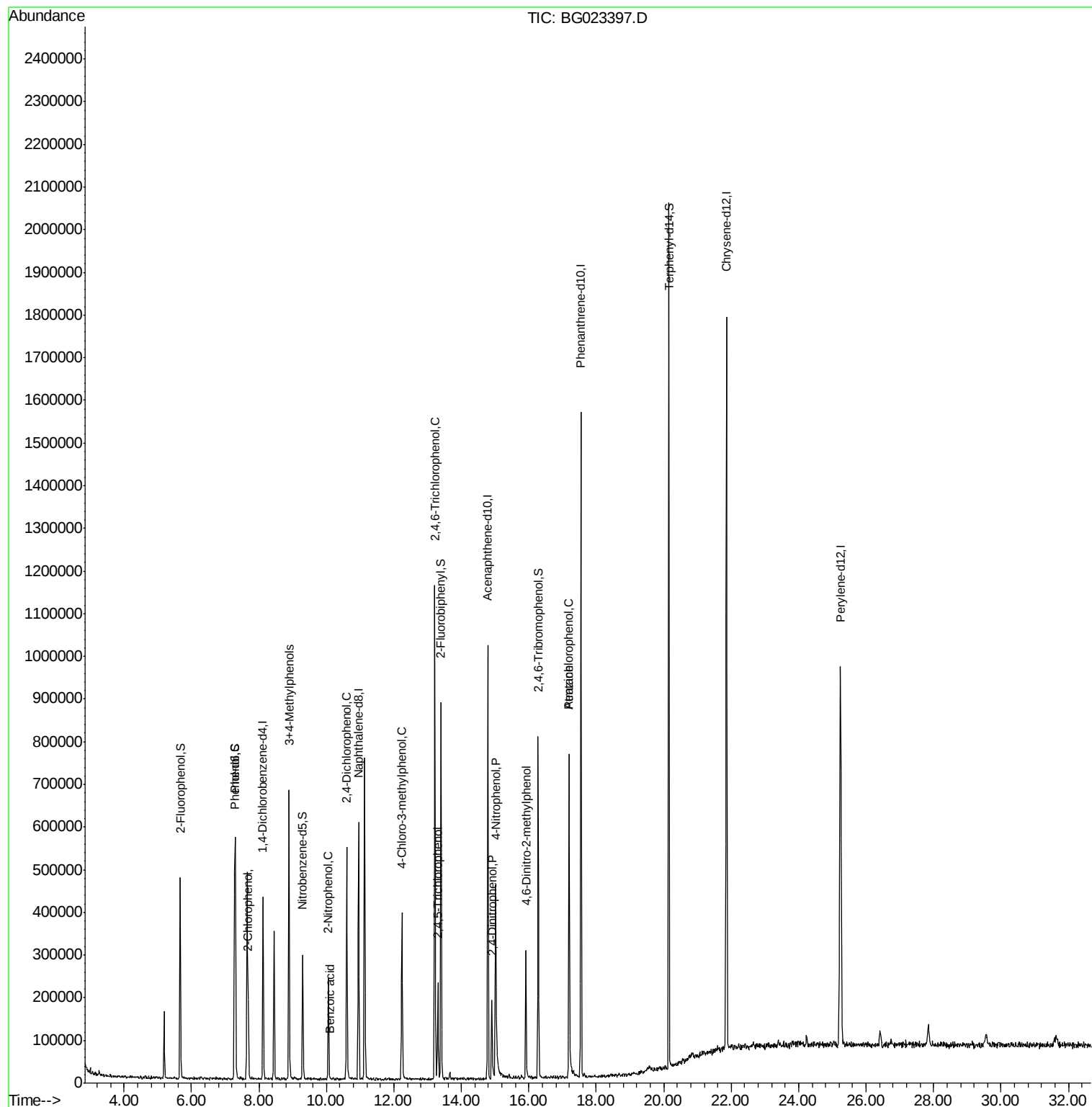
						Qvalue
8) 2-Chlorophenol	7.68	128	79416	10.22	ng	90
9) Benzaldehyde	7.30	77	4741	Below	Cal	# 8
10) Phenol	7.30	94	319816	28.39	ng	# 79
20) 3+4-Methylphenols	8.89	107	313306	29.43	ng	# 78
26) 2-Nitrophenol	10.06	139	73614	15.38	ng	# 78
29) 2,4-Dichlorophenol	10.60	162	202202	24.68	ng	97
32) Benzoic acid	10.12	122	186	6.46	ng	# 40
36) 4-Chloro-3-methylphenol	12.24	107	147194	13.68	ng	# 94
42) 2,4,6-Trichlorophenol	13.21	196	280644	36.86	ng	97
43) 2,4,5-Trichlorophenol	13.30	196	66630	8.50	ng	94
53) 2,4-Dinitrophenol	14.90	184	47329	11.53	ng	96
55) 4-Nitrophenol	15.02	139	155886	27.48	ng	# 75
64) 4,6-Dinitro-2-methylphenol	15.91	198	69197	11.30	ng	96
68) Atrazine	17.19	200	33081	3.26	ng	# 36
69) Pentachlorophenol	17.19	266	157965	23.60	ng	97
73) Di-n-butylphthalate	18.49	149	738	Below	Cal	# 41
74) Fluoranthene	19.59	202	101	Below	Cal	# 60
77) Pyrene	19.96	202	161	Below	Cal	# 28

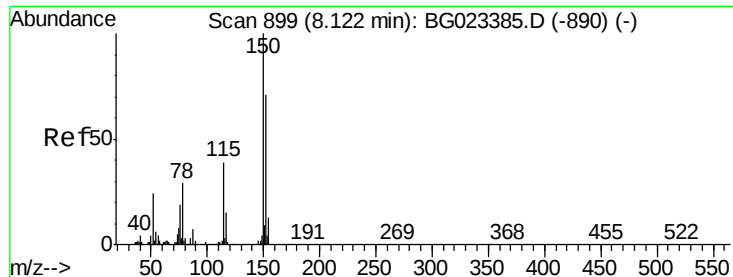
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 8.12 min Scan# 899

Delta R.T. -0.00 min

Lab File: BG023397.D

Acq: 2 Aug 2016 12:01

Instrument :

BNA_G

ClientSampleId :

9535DL

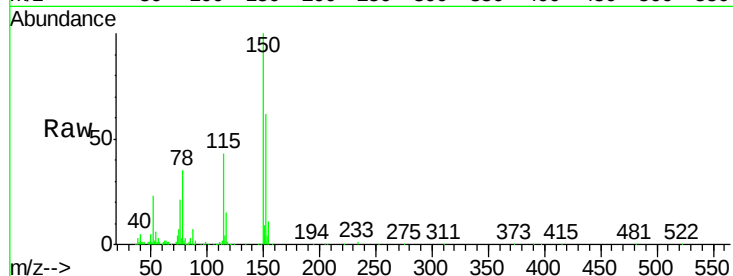
Tgt Ion:152 Resp: 113803

Ion Ratio Lower Upper

152 100

150 160.6 144.7 217.1

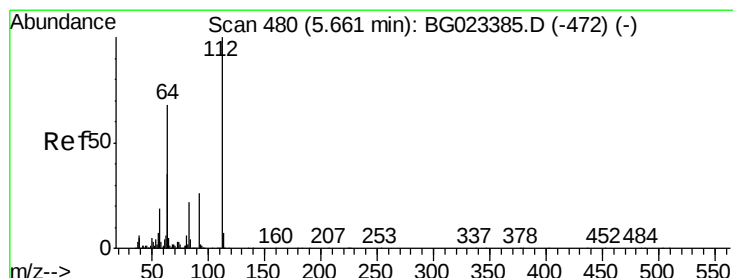
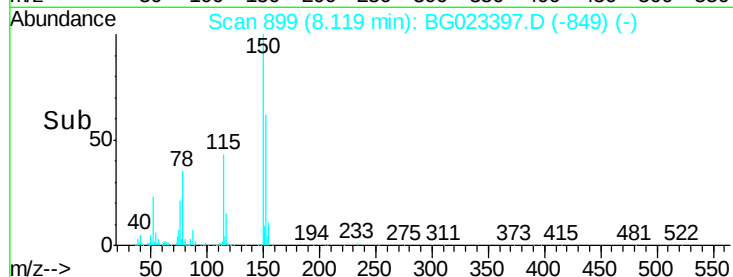
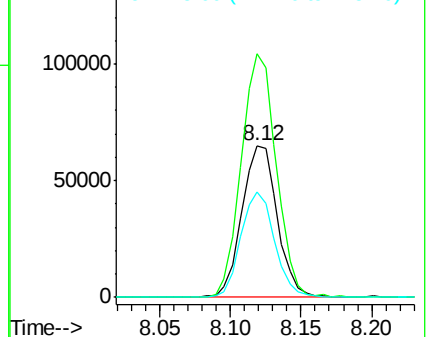
115 69.2 64.0 96.0



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: 29.54 ng

RT: 5.66 min Scan# 481

Delta R.T. 0.00 min

Lab File: BG023397.D

Acq: 2 Aug 2016 12:01

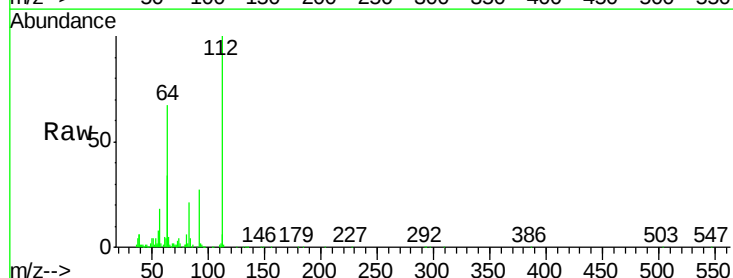
Tgt Ion:112 Resp: 199707

Ion Ratio Lower Upper

112 100

64 66.7 59.0 88.4

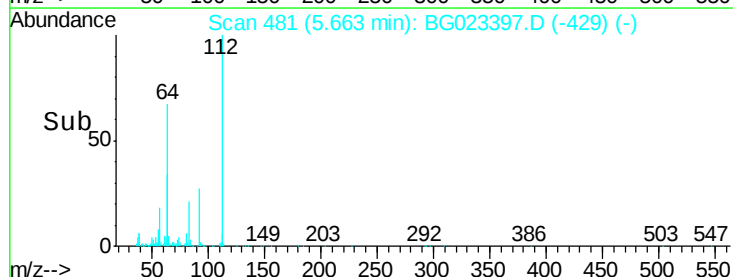
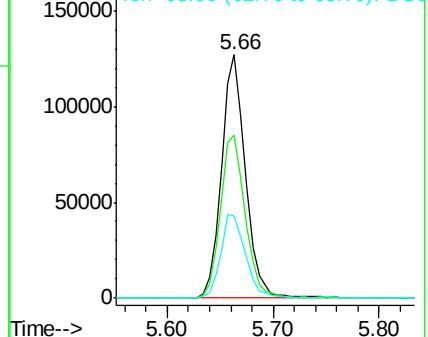
63 33.8 37.8 56.8#

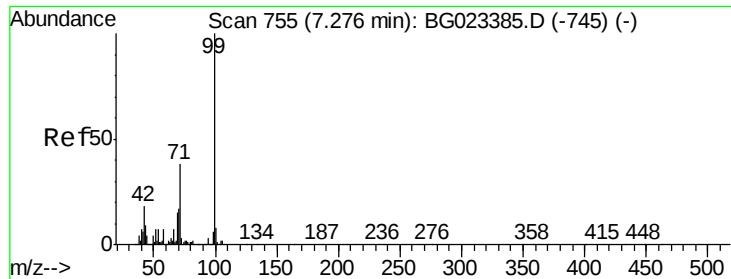


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BGC

Ion 63.00 (62.70 to 63.70): BGC





#7

Phenol-d6

Concen: 29.41 ng

RT: 7.27 min Scan# 755

Delta R.T. -0.00 min

Lab File: BG023397.D

Acq: 2 Aug 2016 12:01

Instrument :

BNA_G

ClientSampleId :

9535DL

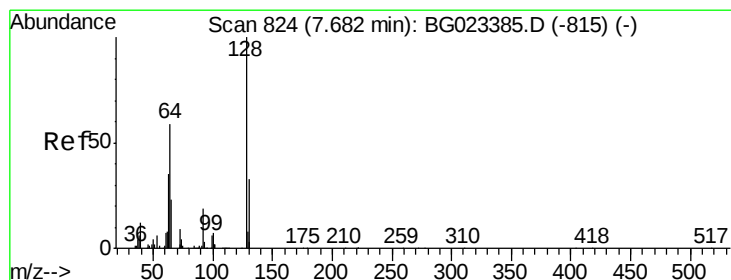
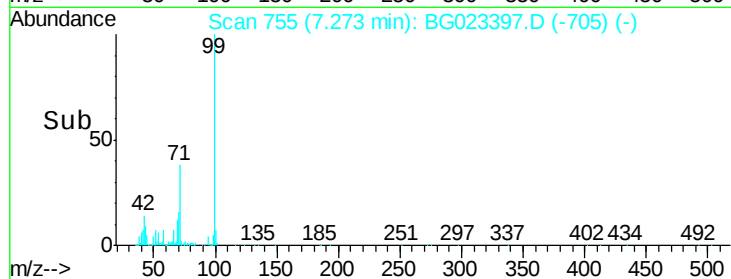
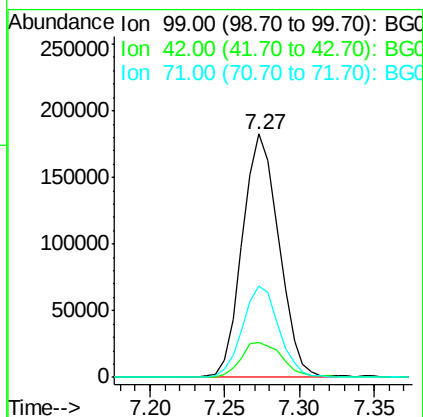
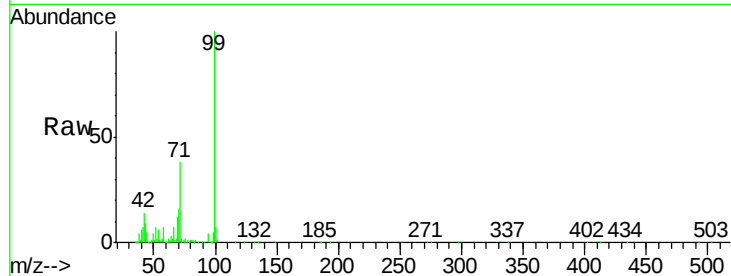
Tgt Ion: 99 Resp: 309704

Ion Ratio Lower Upper

99 100

42 14.2 17.8 26.6#

71 37.6 41.5 62.3#



#8

2-Chlorophenol

Concen: 10.22 ng

RT: 7.68 min Scan# 825

Delta R.T. 0.00 min

Lab File: BG023397.D

Acq: 2 Aug 2016 12:01

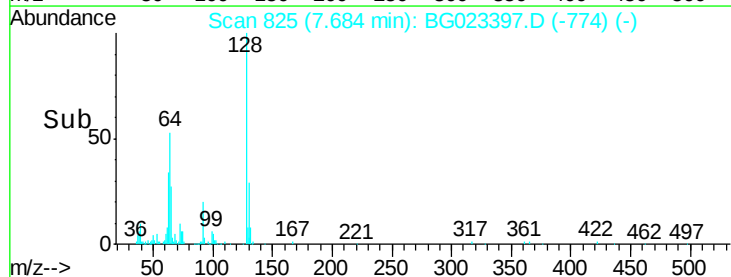
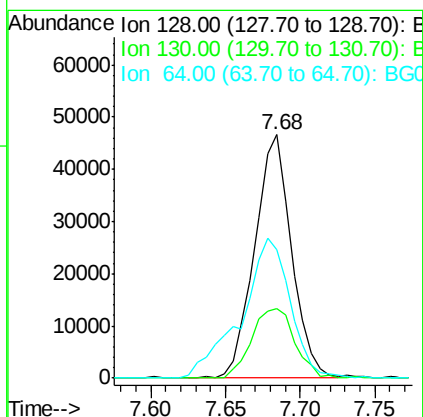
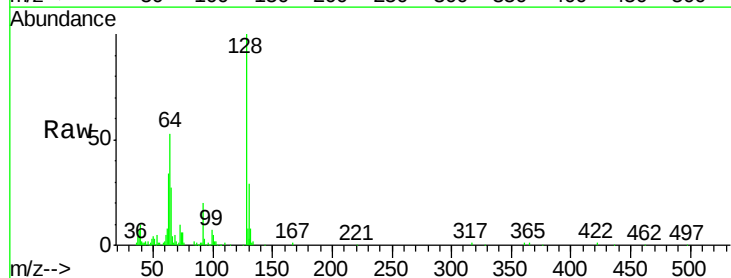
Tgt Ion: 128 Resp: 79416

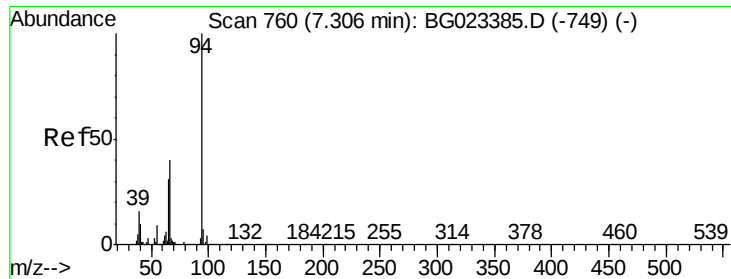
Ion Ratio Lower Upper

128 100

130 28.8 12.9 52.9

64 53.0 42.0 82.0





#10

Phenol

Concen: 28.39 ng

RT: 7.30 min Scan# 760

Delta R.T. -0.00 min

Lab File: BG023397.D

Acq: 2 Aug 2016 12:01

Instrument :

BNA_G

ClientSampleId :

9535DL

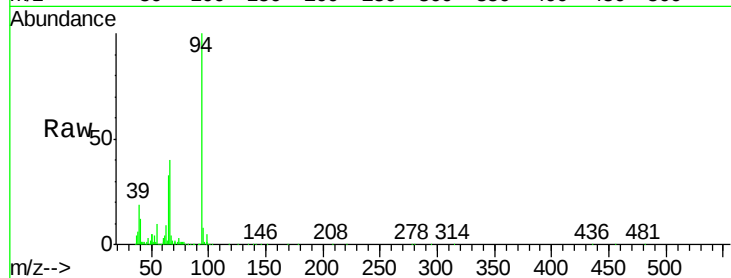
Tgt Ion: 94 Resp: 319816

Ion Ratio Lower Upper

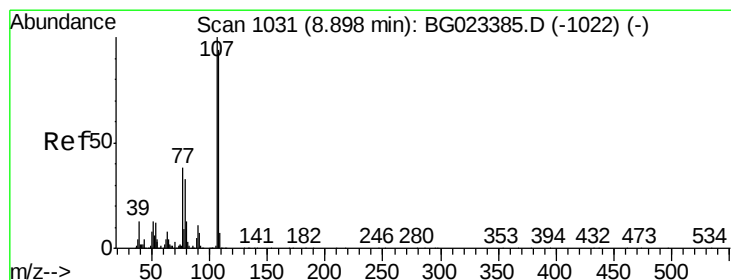
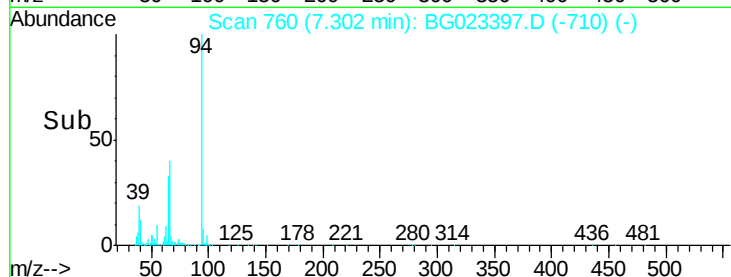
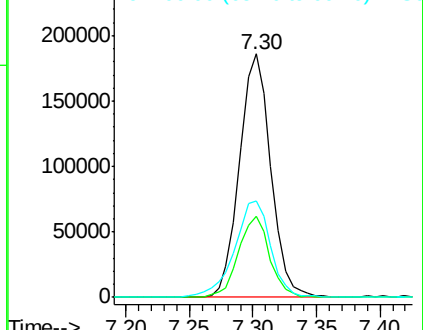
94 100

65 33.2 18.1 58.1

66 39.7 42.1 82.1#



Abundance Ion 94.00 (93.70 to 94.70): BGC
Ion 65.00 (64.70 to 65.70): BGC
Ion 66.00 (65.70 to 66.70): BGC



#20

3+4-Methylphenols

Concen: 29.43 ng

RT: 8.89 min Scan# 1030

Delta R.T. -0.01 min

Lab File: BG023397.D

Acq: 2 Aug 2016 12:01

Tgt Ion: 107 Resp: 313306

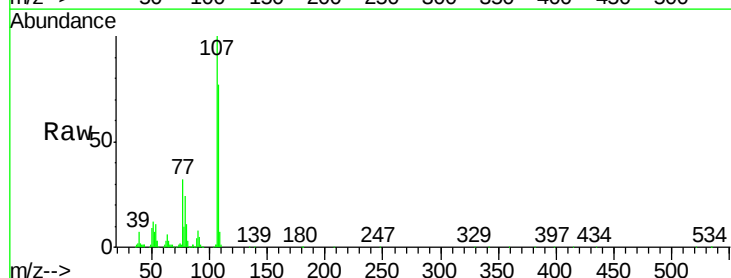
Ion Ratio Lower Upper

107 100

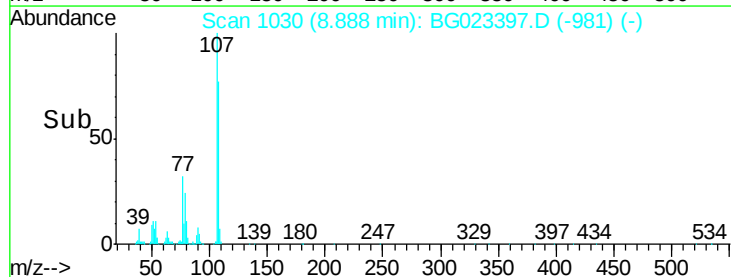
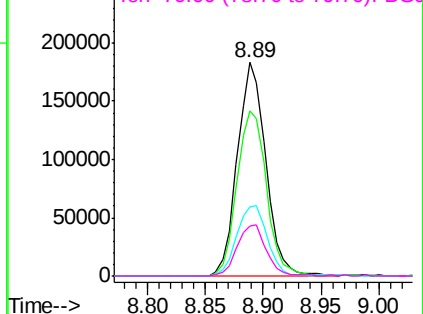
108 77.2 72.5 112.5

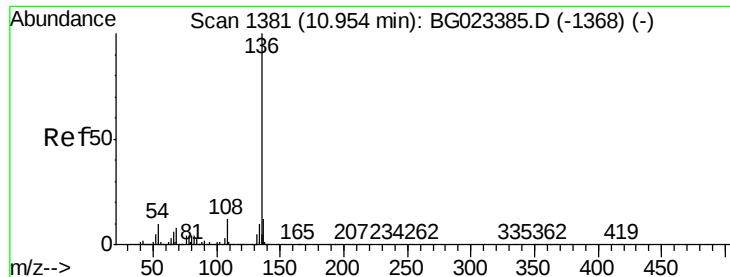
77 32.5 30.1 70.1

79 23.6 24.2 64.2#



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

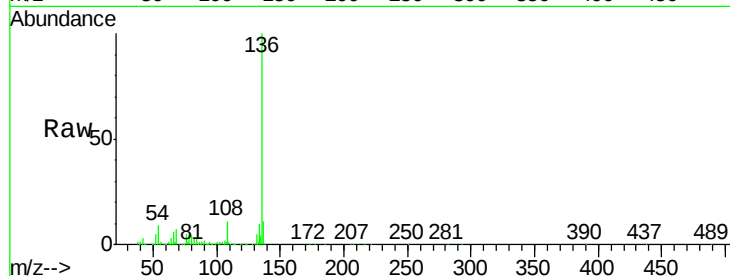




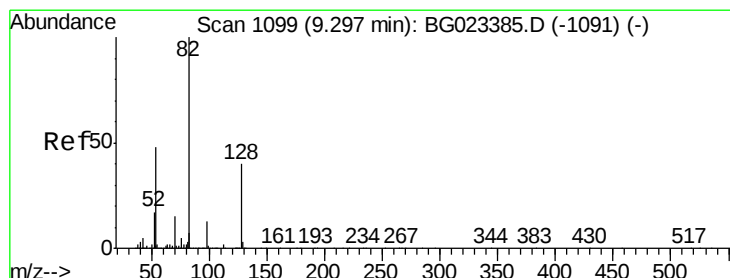
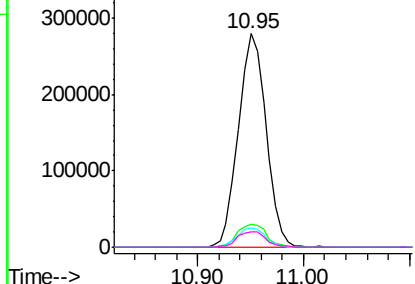
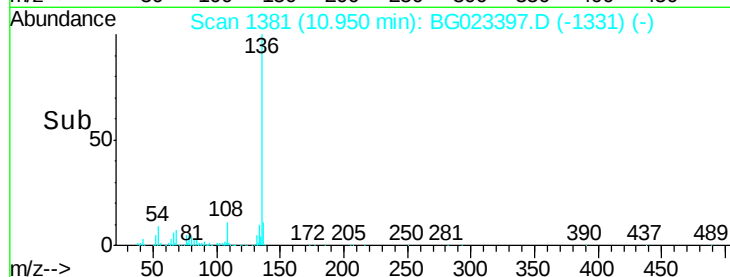
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 10.95 min Scan# 1381
Delta R.T. -0.00 min
Lab File: BG023397.D
Acq: 2 Aug 2016 12:01

Instrument :
BNA_G
ClientSampleId :
9535DL

Tgt Ion:	136	Resp:	508981
Ion	Ratio	Lower	Upper
136	100		
137	10.9	9.6	14.4
54	9.1	7.3	10.9
68	7.1	5.3	7.9

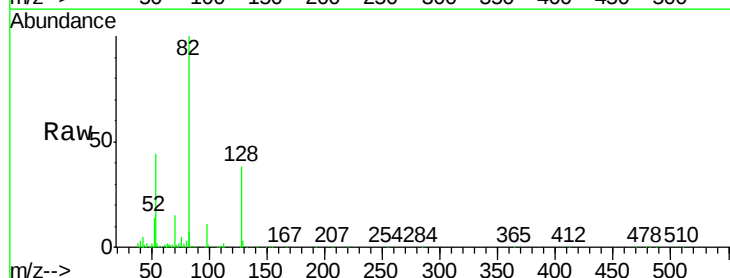


Abundance Ion 136.00 (135.70 to 136.70): BGC
Ion 137.00 (136.70 to 137.70): BGC
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

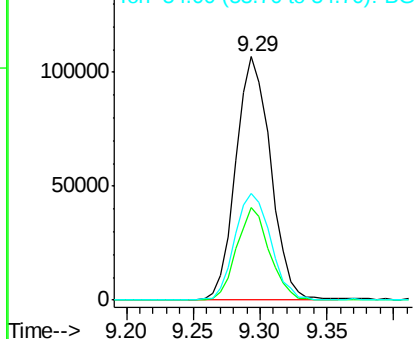
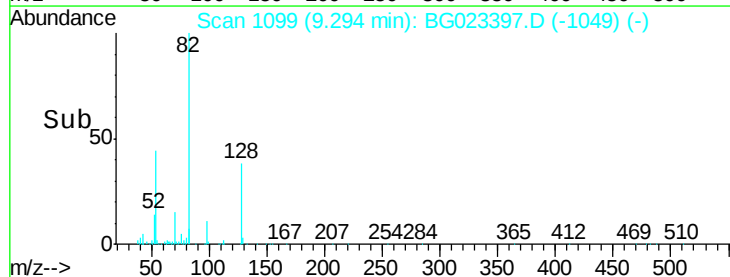


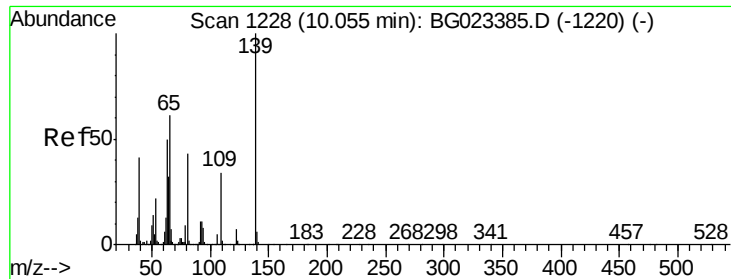
#23
Nitrobenzene-d5
Concen: 18.89 ng
RT: 9.29 min Scan# 1099
Delta R.T. -0.00 min
Lab File: BG023397.D
Acq: 2 Aug 2016 12:01

Tgt Ion:	82	Resp:	193424
Ion	Ratio	Lower	Upper
82	100		
128	38.1	24.4	36.6#
54	43.6	41.4	62.0



Abundance Ion 82.00 (81.70 to 82.70): BGC
Ion 128.00 (127.70 to 128.70): BGC
Ion 54.00 (53.70 to 54.70): BGC

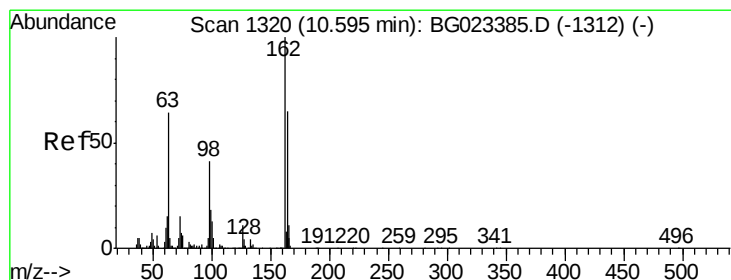
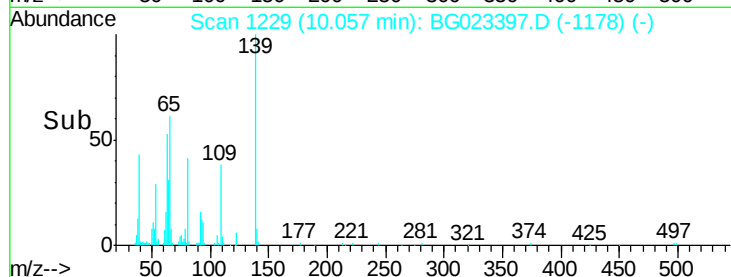
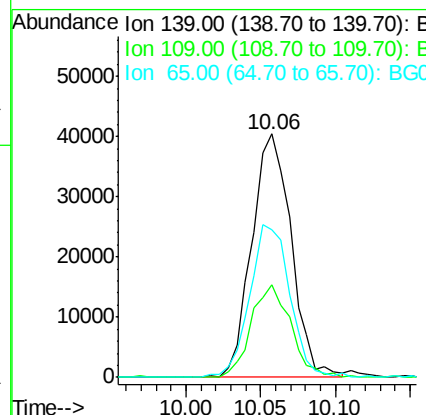
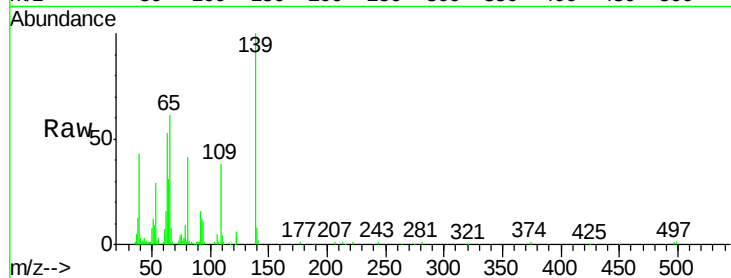




#26
2-Nitrophenol
Concen: 15.38 ng
RT: 10.06 min Scan# 1229
Delta R.T. 0.00 min
Lab File: BG023397.D
Acq: 2 Aug 2016 12:01

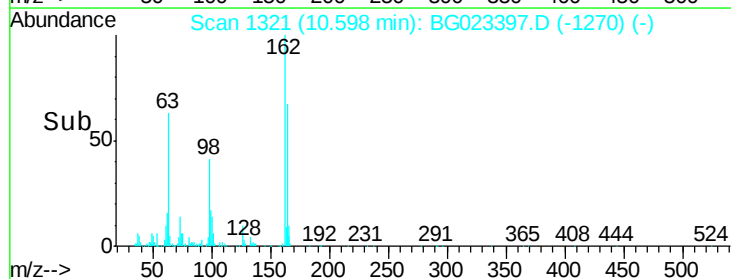
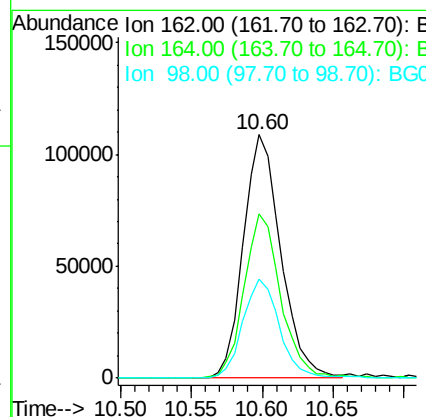
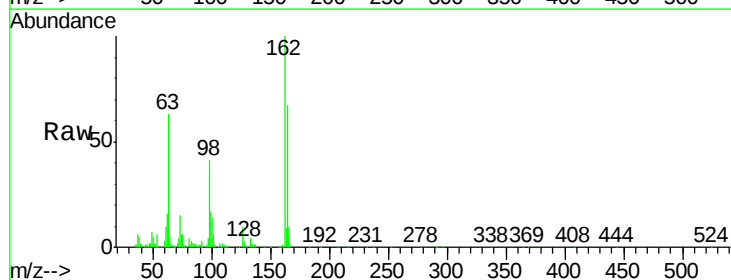
Instrument :
BNA_G
ClientSampleId :
9535DL

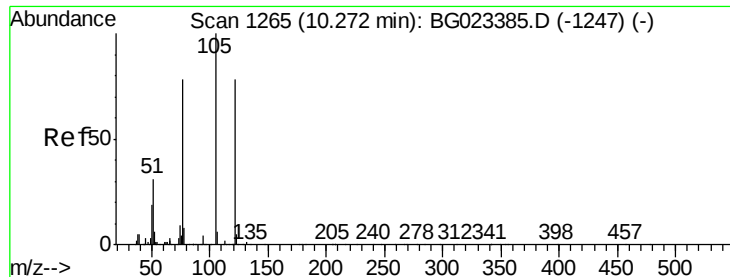
Tgt Ion:139 Resp: 73614
Ion Ratio Lower Upper
139 100
109 38.1 43.5 65.3#
65 60.7 64.3 96.5#



#29
2,4-Dichlorophenol
Concen: 24.68 ng
RT: 10.60 min Scan# 1321
Delta R.T. 0.00 min
Lab File: BG023397.D
Acq: 2 Aug 2016 12:01

Tgt Ion:162 Resp: 202202
Ion Ratio Lower Upper
162 100
164 67.5 44.3 84.3
98 40.7 19.5 59.5





#32

Benzoic acid

Concen: 6.46 ng

RT: 10.12 min Scan# 1240

Delta R.T. -0.15 min

Lab File: BG023397.D

Acq: 2 Aug 2016 12:01

Instrument :

BNA_G

ClientSampleId :

9535DL

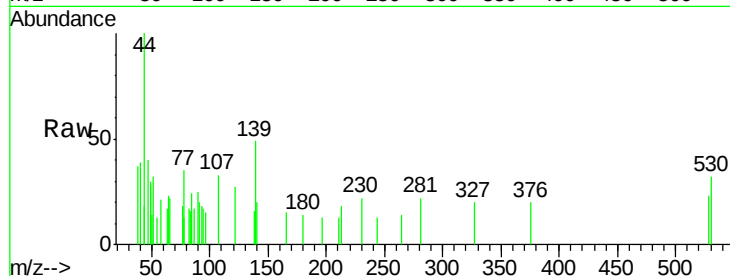
Tgt Ion:122 Resp: 186

Ion Ratio Lower Upper

122 100

105 0.0 117.2 157.2#

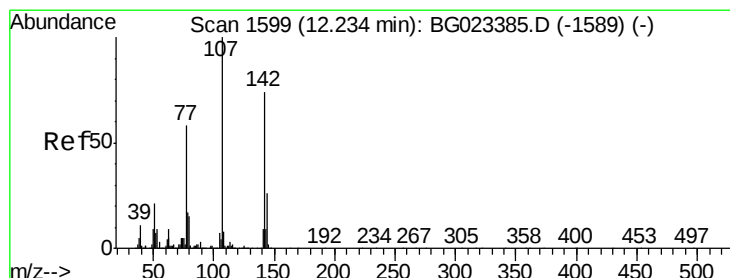
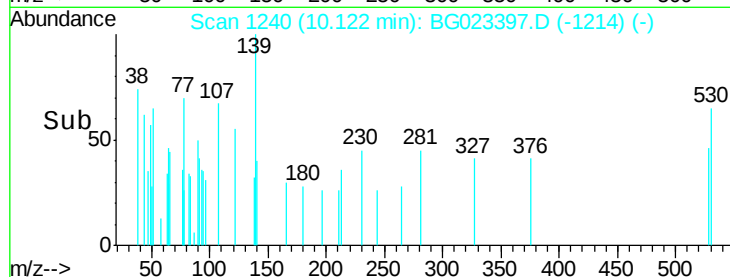
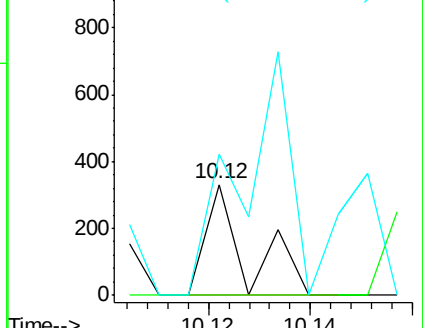
77 127.1 109.2 149.2



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): BGC



#36

4-Chloro-3-methylphenol

Concen: 13.68 ng

RT: 12.24 min Scan# 1600

Delta R.T. 0.00 min

Lab File: BG023397.D

Acq: 2 Aug 2016 12:01

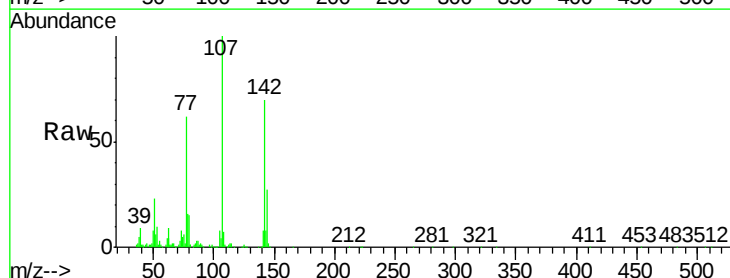
Tgt Ion:107 Resp: 147194

Ion Ratio Lower Upper

107 100

144 27.0 17.0 25.6#

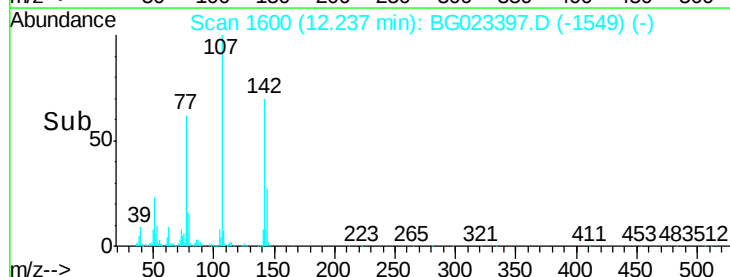
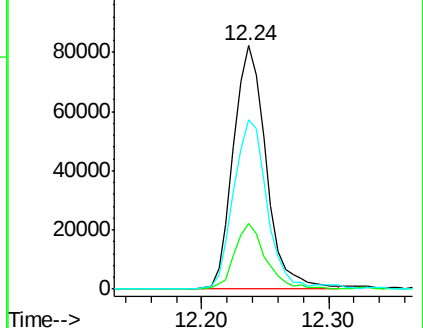
142 69.6 53.0 79.6

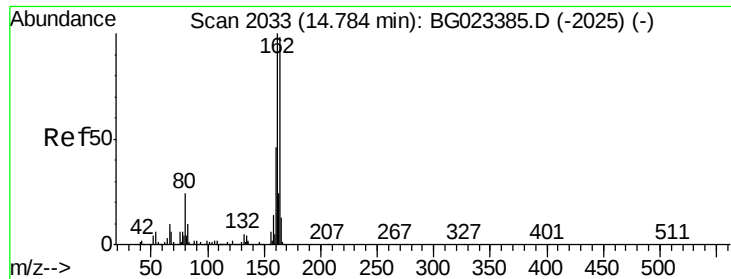


Abundance Ion 107.00 (106.70 to 107.70): E

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: 14.78 min Scan# 2033

Delta R.T. -0.00 min

Lab File: BG023397.D

Acq: 2 Aug 2016 12:01

Instrument :

BNA_G

ClientSampleId :

9535DL

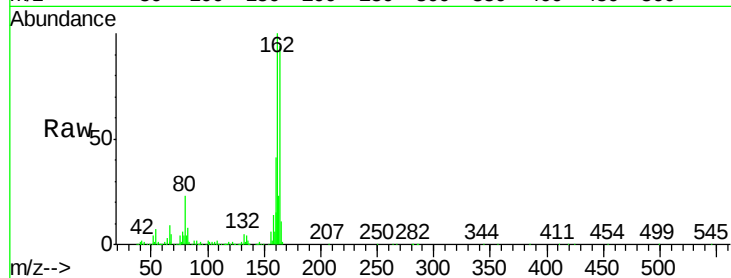
Tgt Ion:164 Resp: 352469

Ion Ratio Lower Upper

164 100

162 106.4 87.7 131.5

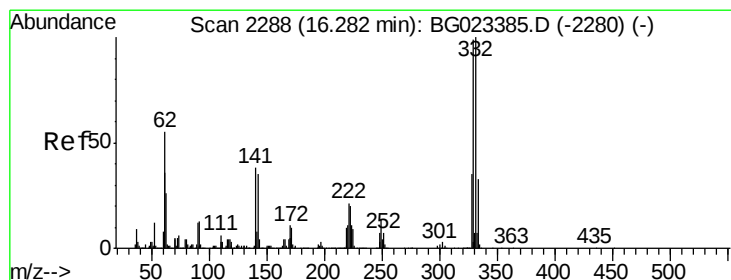
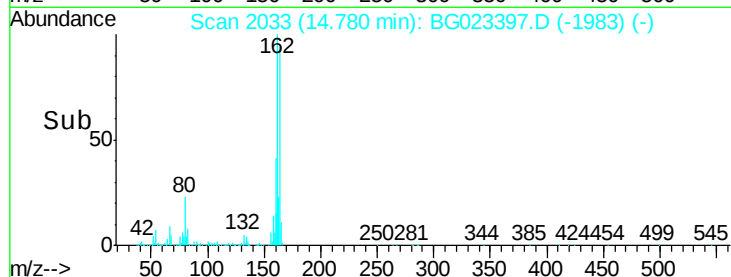
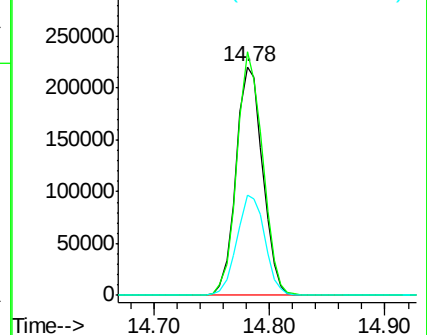
160 43.9 37.2 55.8



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: 29.62 ng

RT: 16.28 min Scan# 2288

Delta R.T. -0.00 min

Lab File: BG023397.D

Acq: 2 Aug 2016 12:01

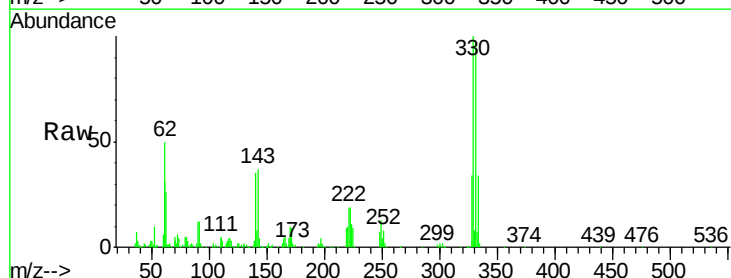
Tgt Ion:330 Resp: 152717

Ion Ratio Lower Upper

330 100

332 99.0 77.4 116.2

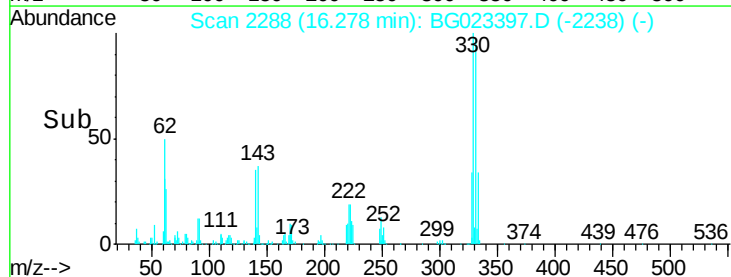
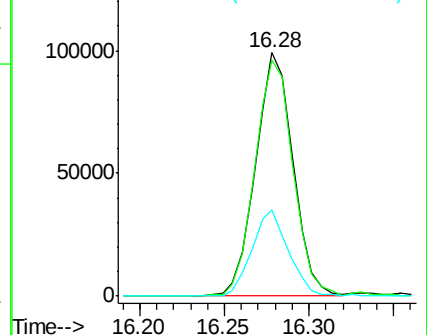
141 34.7 31.7 47.5

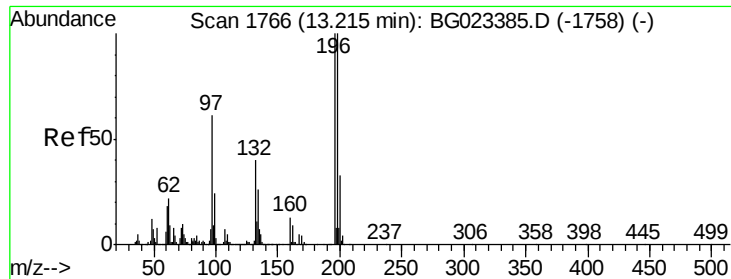


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

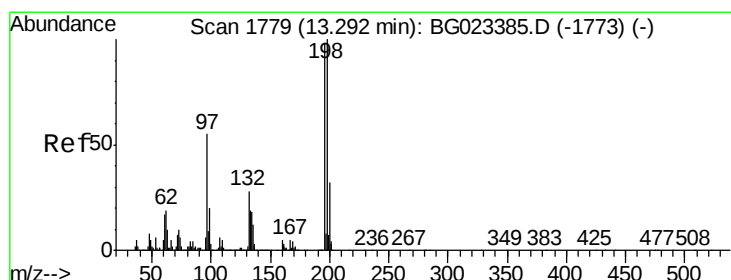
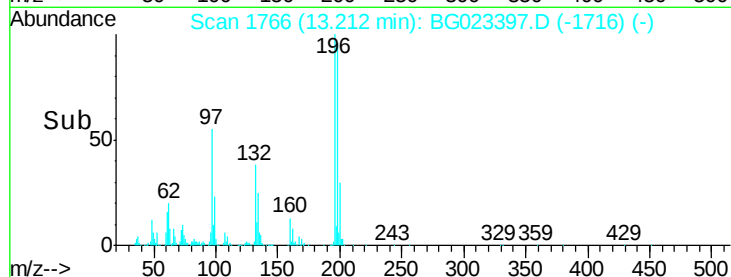
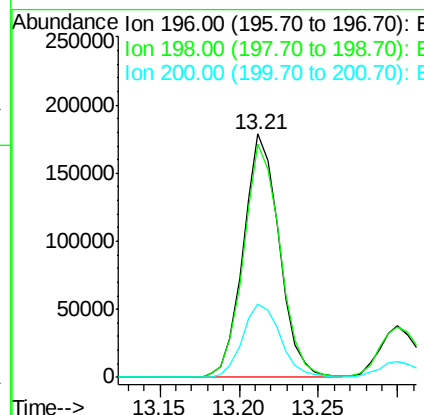
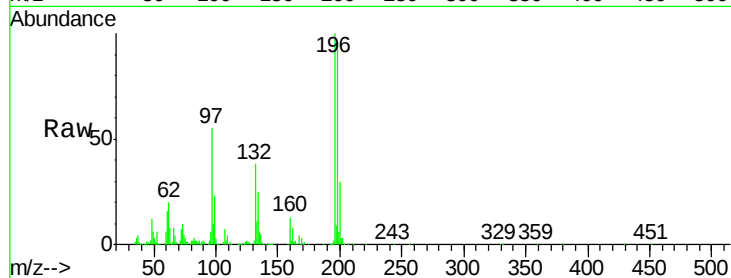




#42
 2,4,6-Trichlorophenol
 Concen: 36.86 ng
 RT: 13.21 min Scan# 1766
 Delta R.T. -0.00 min
 Lab File: BG023397.D
 Acq: 2 Aug 2016 12:01

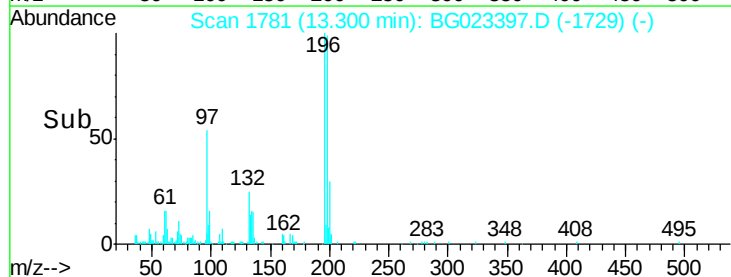
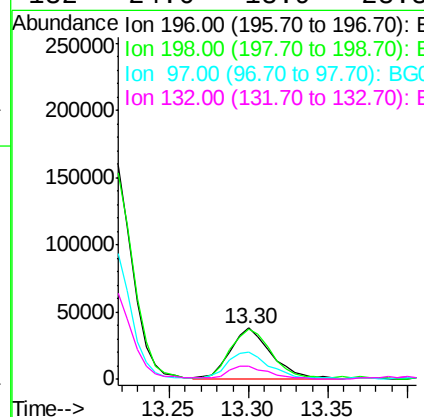
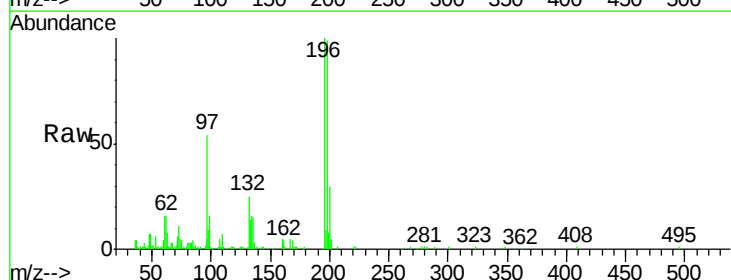
Instrument :
 BNA_G
 ClientSampleId :
 9535DL

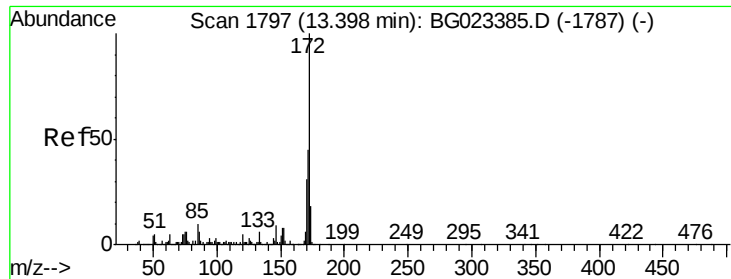
Tgt Ion:196 Resp: 280644
 Ion Ratio Lower Upper
 196 100
 198 96.0 78.2 117.2
 200 30.4 27.0 40.4



#43
 2,4,5-Trichlorophenol
 Concen: 8.50 ng
 RT: 13.30 min Scan# 1781
 Delta R.T. 0.01 min
 Lab File: BG023397.D
 Acq: 2 Aug 2016 12:01

Tgt Ion:196 Resp: 66630
 Ion Ratio Lower Upper
 196 100
 198 98.8 85.7 128.5
 97 54.1 45.5 68.3
 132 24.6 18.9 28.3

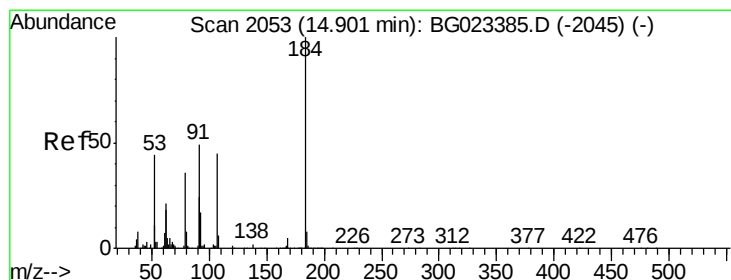
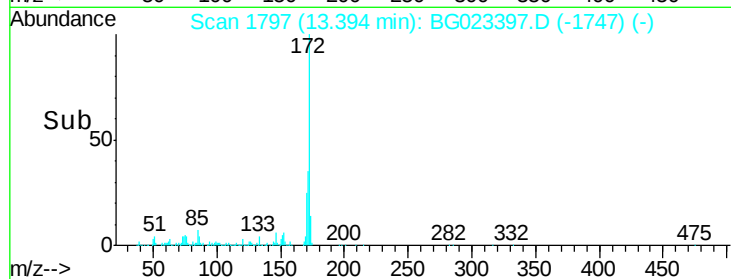
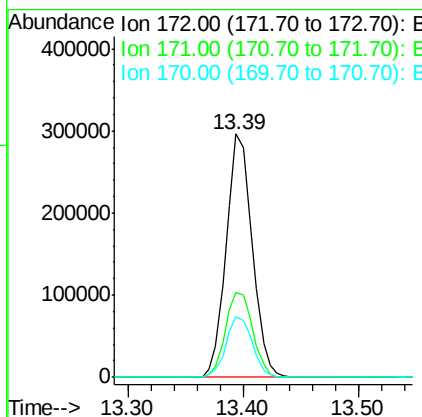
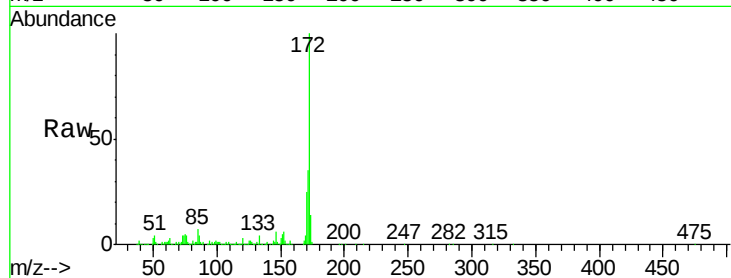




#44
 2-Fluorobiphenyl
 Concen: 22.13 ng
 RT: 13.39 min Scan# 1797
 Delta R.T. -0.00 min
 Lab File: BG023397.D
 Acq: 2 Aug 2016 12:01

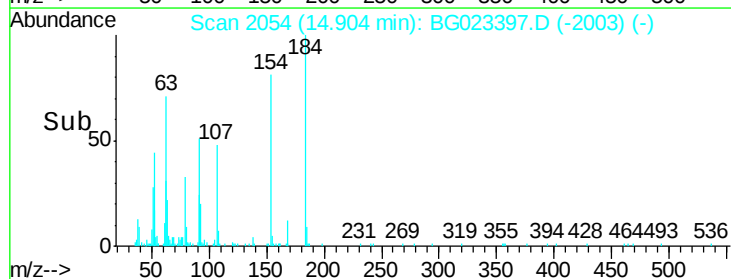
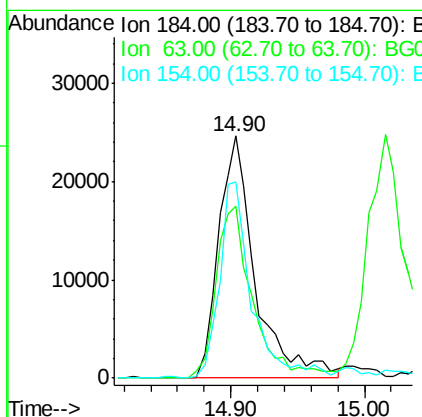
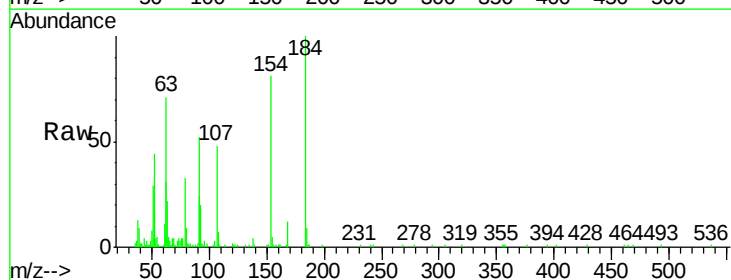
Instrument :
 BNA_G
 ClientSampleId :
 9535DL

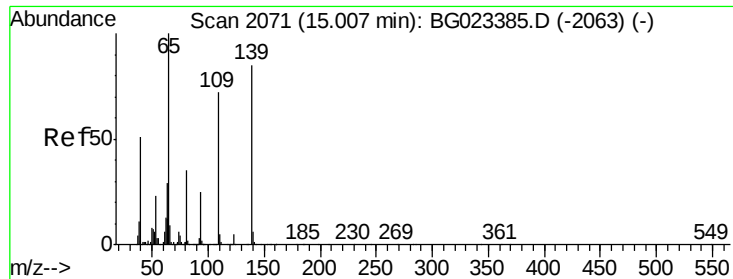
Tgt Ion:172 Resp: 462559
 Ion Ratio Lower Upper
 172 100
 171 35.1 31.6 47.4
 170 24.7 21.3 31.9



#53
 2,4-Dinitrophenol
 Concen: 11.53 ng
 RT: 14.90 min Scan# 2054
 Delta R.T. 0.00 min
 Lab File: BG023397.D
 Acq: 2 Aug 2016 12:01

Tgt Ion:184 Resp: 47329
 Ion Ratio Lower Upper
 184 100
 63 70.9 59.6 89.4
 154 80.8 67.4 101.0

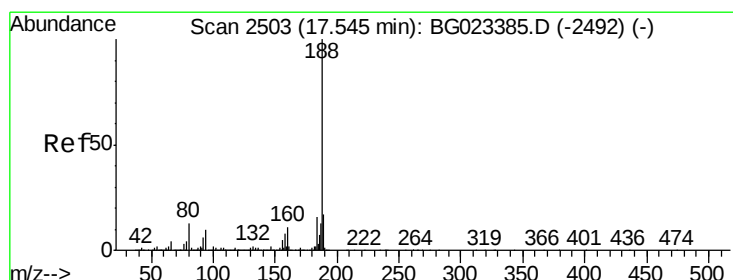
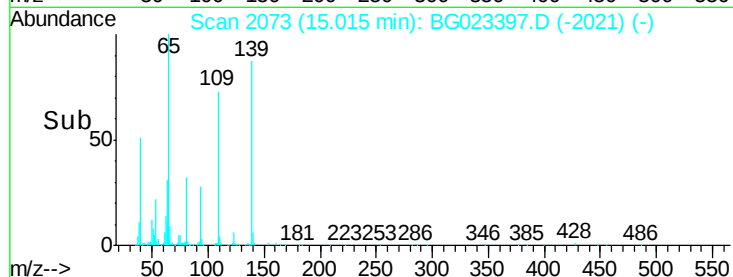
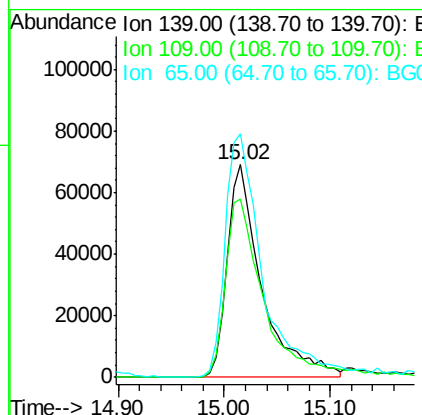
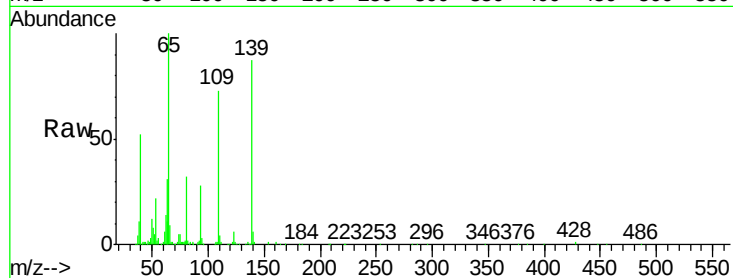




#55
4-Nitrophenol
Concen: 27.48 ng
RT: 15.02 min Scan# 2073
Delta R.T. 0.01 min
Lab File: BG023397.D
Acq: 2 Aug 2016 12:01

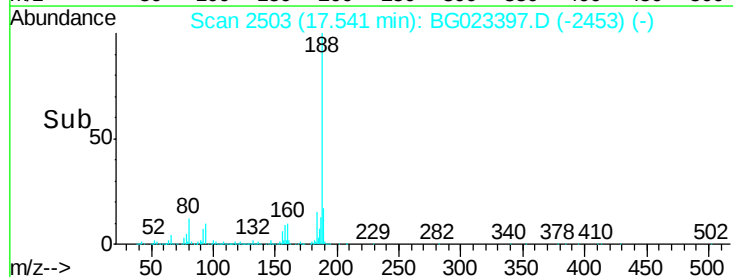
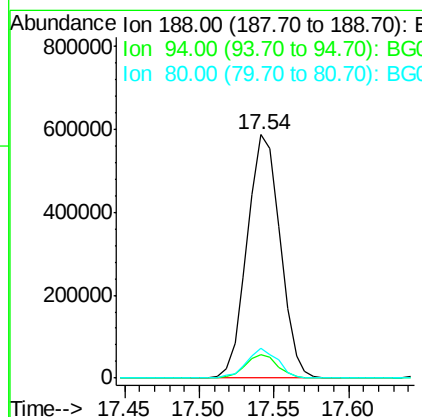
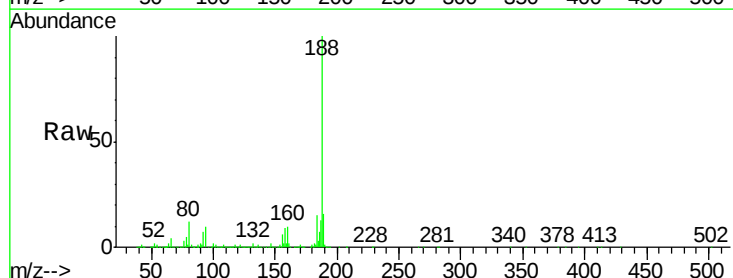
Instrument :
BNA_G
ClientSampled :
9535DL

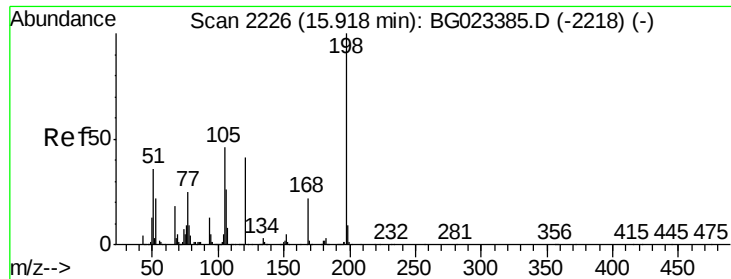
Tgt Ion:139 Resp: 155886
Ion Ratio Lower Upper
139 100
109 83.7 103.0 143.0#
65 114.4 112.7 152.7



#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 17.54 min Scan# 2503
Delta R.T. -0.00 min
Lab File: BG023397.D
Acq: 2 Aug 2016 12:01

Tgt Ion:188 Resp: 900367
Ion Ratio Lower Upper
188 100
94 9.6 5.2 7.8#
80 12.4 7.2 10.8#

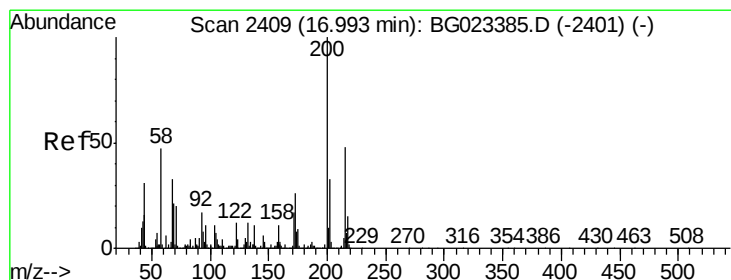
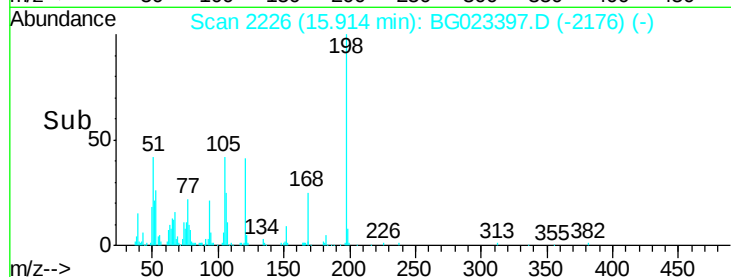
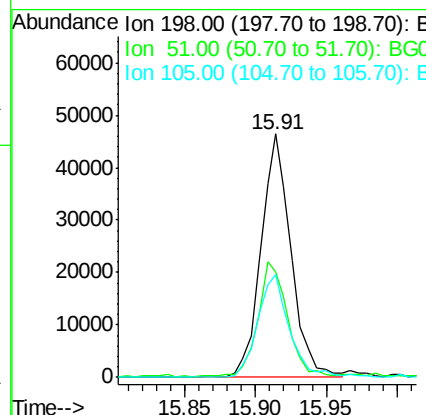
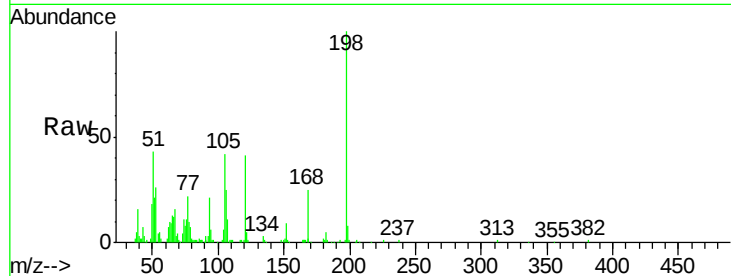




#64
 4,6-Dinitro-2-methylphenol
 Concen: 11.30 ng
 RT: 15.91 min Scan# 2226
 Delta R.T. -0.00 min
 Lab File: BG023397.D
 Acq: 2 Aug 2016 12:01

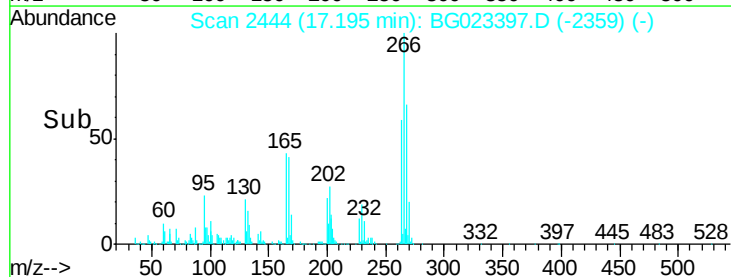
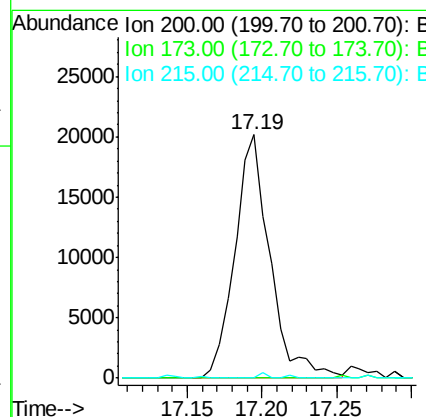
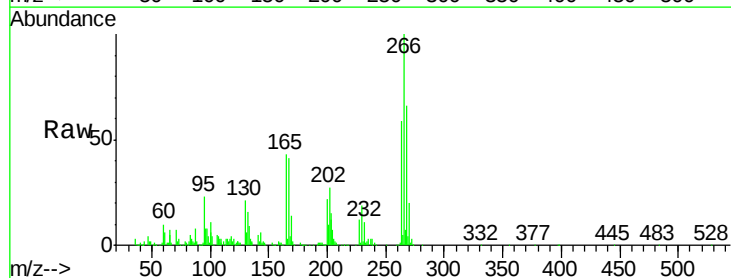
Instrument :
 BNA_G
 ClientSampleId :
 9535DL

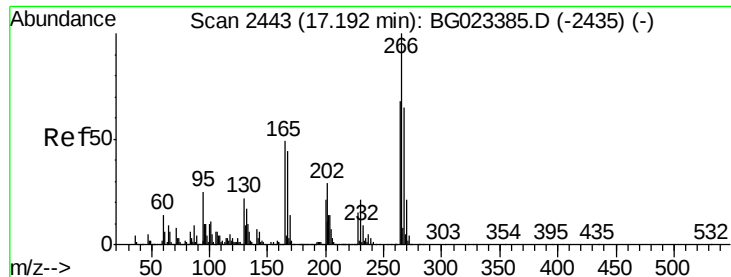
Tgt Ion	Ratio	Lower	Upper
198	100		
51	43.5	26.0	66.0
105	42.1	20.1	60.1



#68
 Atrazine
 Concen: 3.26 ng
 RT: 17.19 min Scan# 2444
 Delta R.T. 0.20 min
 Lab File: BG023397.D
 Acq: 2 Aug 2016 12:01

Tgt Ion	Ratio	Lower	Upper
200	100		
173	0.0	1.6	41.6#
215	0.0	28.7	68.7#

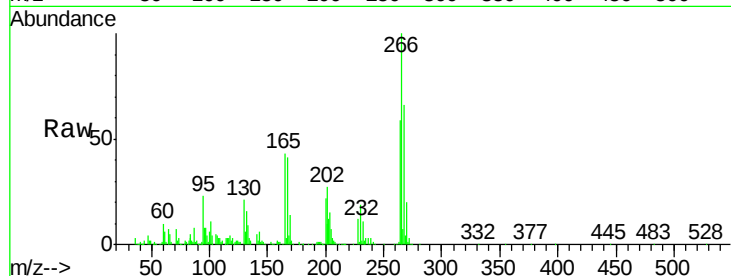




#69
 Pentachlorophenol
 Concen: 23.60 ng
 RT: 17.19 min Scan# 2444
 Delta R.T. 0.00 min
 Lab File: BG023397.D
 Acq: 2 Aug 2016 12:01

Instrument :
 BNA_G
 ClientSampleId :
 9535DL

Tgt Ion	Ratio	Lower	Upper
266	100		
268	65.6	51.9	77.9
264	59.4	50.6	75.8

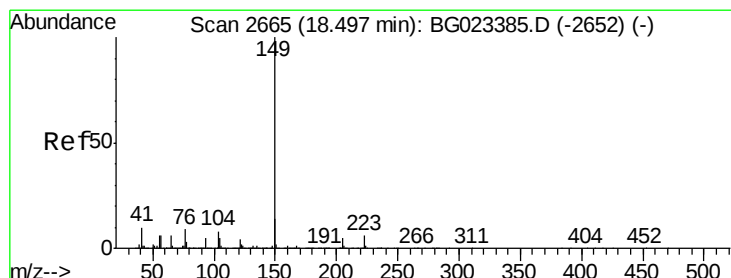
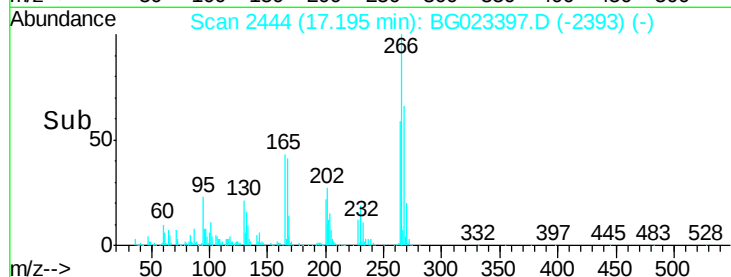
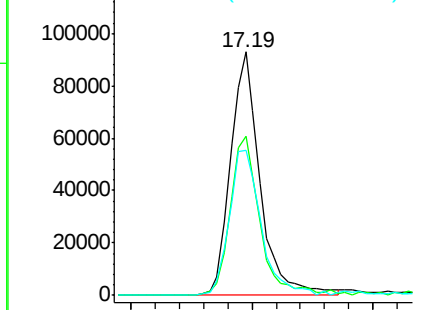


Abundance

Ion 265.70 (265.40 to 266.40): E

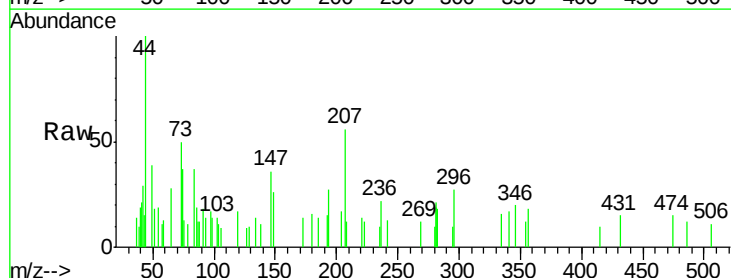
Ion 268.00 (267.70 to 268.70): E

Ion 264.00 (263.70 to 264.70): E



#73
 Di-n-butylphthalate
 Concen: Below Cal
 RT: 18.49 min Scan# 2665
 Delta R.T. -0.00 min
 Lab File: BG023397.D
 Acq: 2 Aug 2016 12:01

Tgt Ion	Ratio	Lower	Upper
149	100		
150	0.0	9.1	13.7#
104	43.2	6.9	10.3#

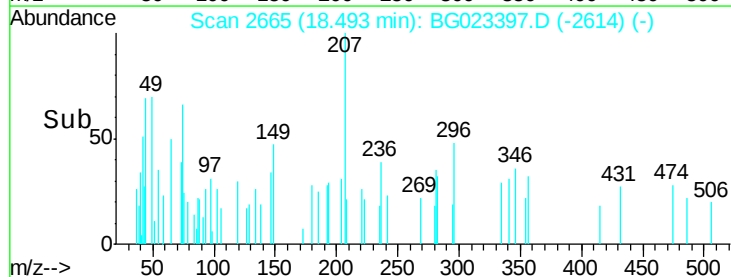
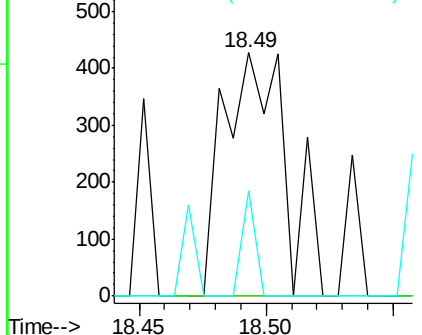


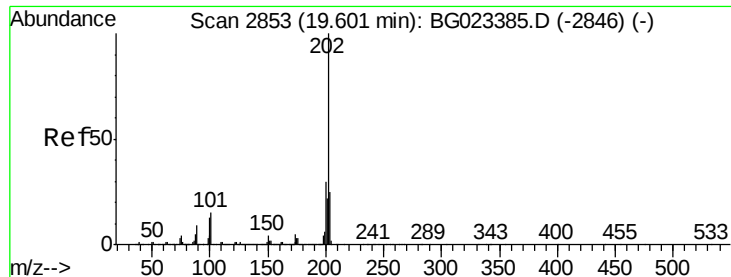
Abundance

Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E





#74

Fluoranthene

Concen: Below Cal

RT: 19.59 min Scan# 2852

Delta R.T. -0.01 min

Lab File: BG023397.D

Acq: 2 Aug 2016 12:01

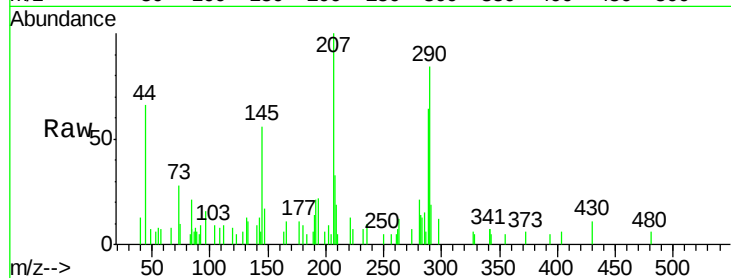
Instrument :

BNA_G

ClientSampleId :

9535DL

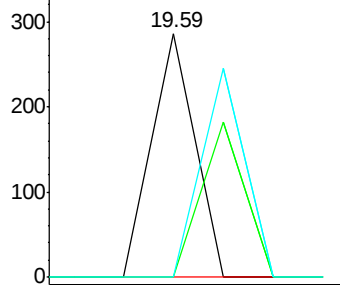
Tgt Ion:	202	Resp:	101
Ion	Ratio	Lower	Upper
202	100		
101	0.0	0.0	27.4
203	0.0	1.7	41.7#



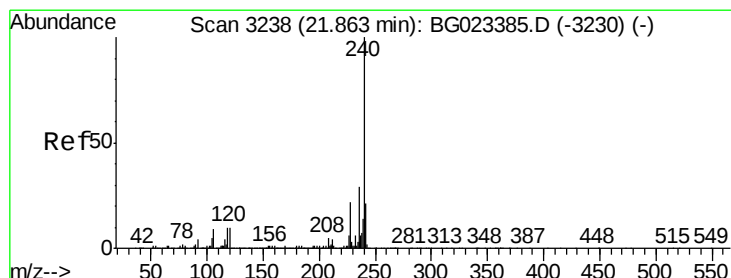
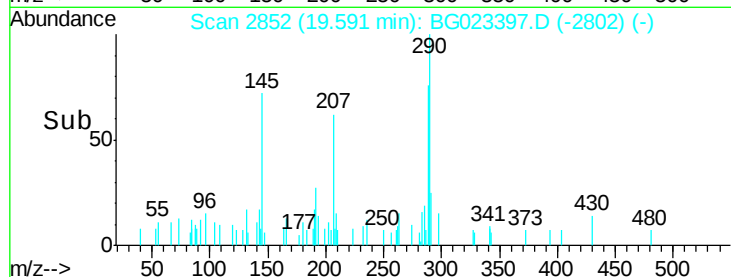
Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



Time-->



#75

Chrysene-d12

Concen: 20.00 ng

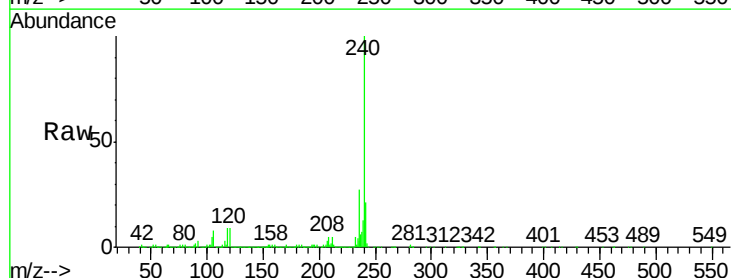
RT: 21.86 min Scan# 3238

Delta R.T. -0.00 min

Lab File: BG023397.D

Acq: 2 Aug 2016 12:01

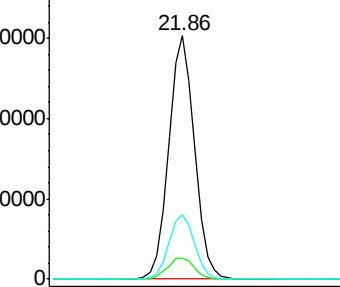
Tgt Ion:	240	Resp:	987328
Ion	Ratio	Lower	Upper
240	100		
120	8.8	4.1	6.1#
236	26.6	21.1	31.7



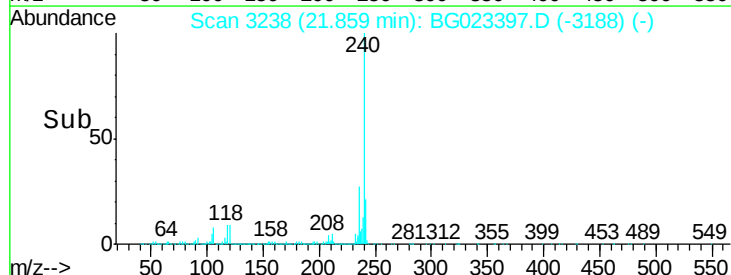
Abundance Ion 240.00 (239.70 to 240.70): E

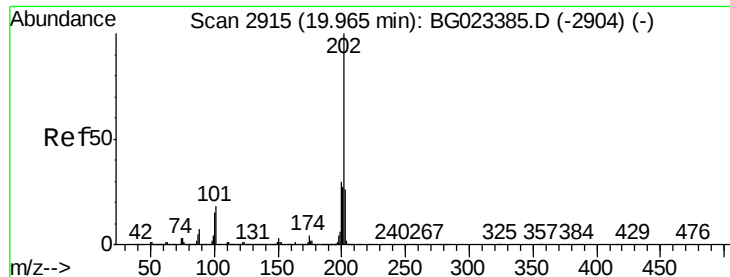
Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



Time-->





#77

Pyrene

Concen: Below Cal

RT: 19.96 min Scan# 2914

Delta R.T. -0.01 min

Lab File: BG023397.D

Acq: 2 Aug 2016 12:01

Instrument :

BNA_G

ClientSampleId :

9535DL

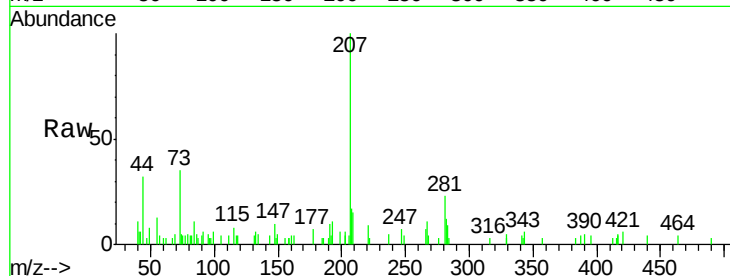
Tgt Ion:202 Resp: 161

Ion Ratio Lower Upper

202 100

200 0.0 21.2 31.8#

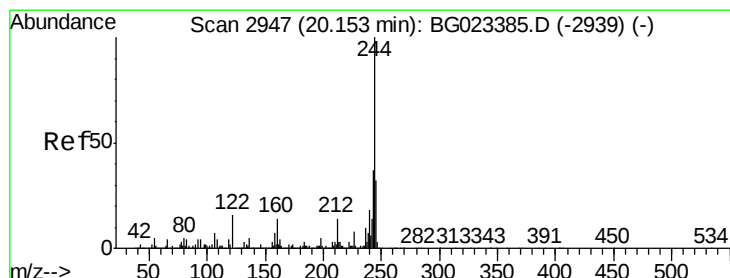
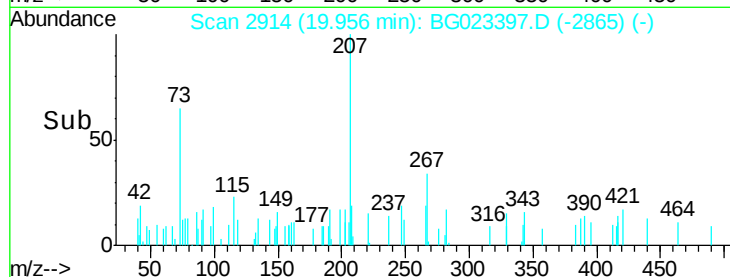
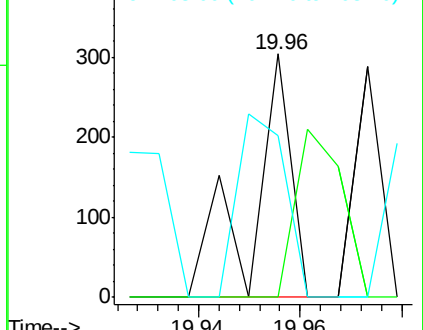
203 66.4 16.8 25.2#



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E



#78

Terphenyl-d14

Concen: 9.86 ng

RT: 20.15 min Scan# 2947

Delta R.T. -0.00 min

Lab File: BG023397.D

Acq: 2 Aug 2016 12:01

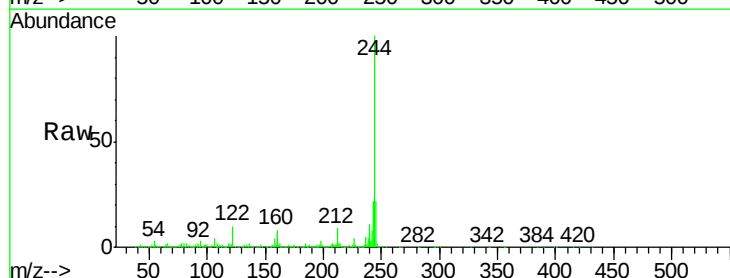
Tgt Ion:244 Resp: 844965

Ion Ratio Lower Upper

244 100

212 9.0 10.8 16.2#

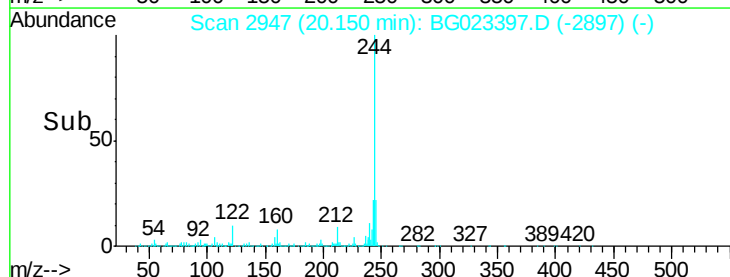
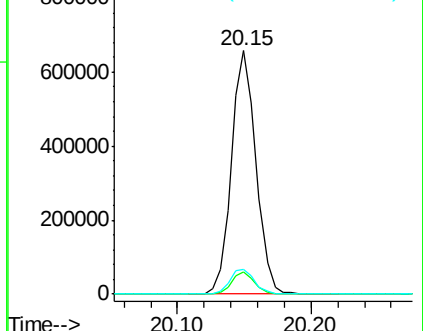
122 9.9 8.0 12.0

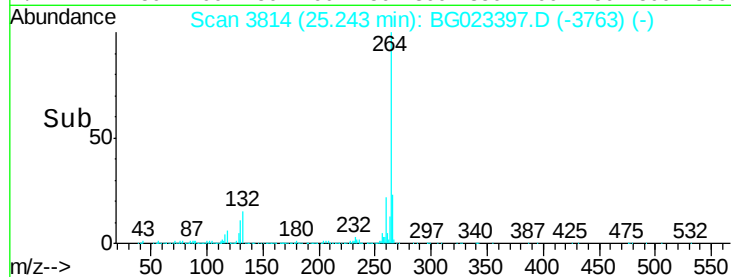
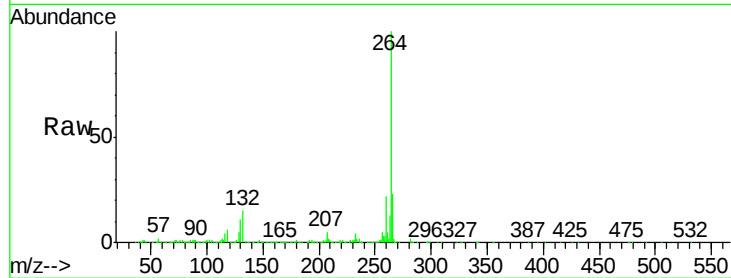
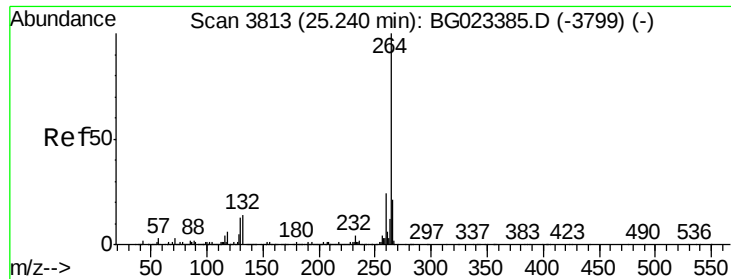


Abundance Ion 244.00 (243.70 to 244.70): E

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: 25.24 min Scan# 3814

Delta R.T. 0.00 min

Lab File: BG023397.D

Acq: 2 Aug 2016 12:01

Instrument :

BNA_G

ClientSampleId :

9535DL

Tgt Ion:264 Resp: 995679

Ion Ratio Lower Upper

264 100

260 22.2 18.4 27.6

265 22.9 18.9 28.3

