

Data Path : Z:\HPCHEM1\BNA G\Data\BG060916\
 Data File : BG022265.D
 Acq On : 9 Jun 2016 12:34
 Operator : UM/SJ
 Sample : H3457-02
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 MPB-E-3-SOIL

Quant Time: Jun 09 15:40:56 2016
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG060616.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jun 06 16:12:45 2016
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

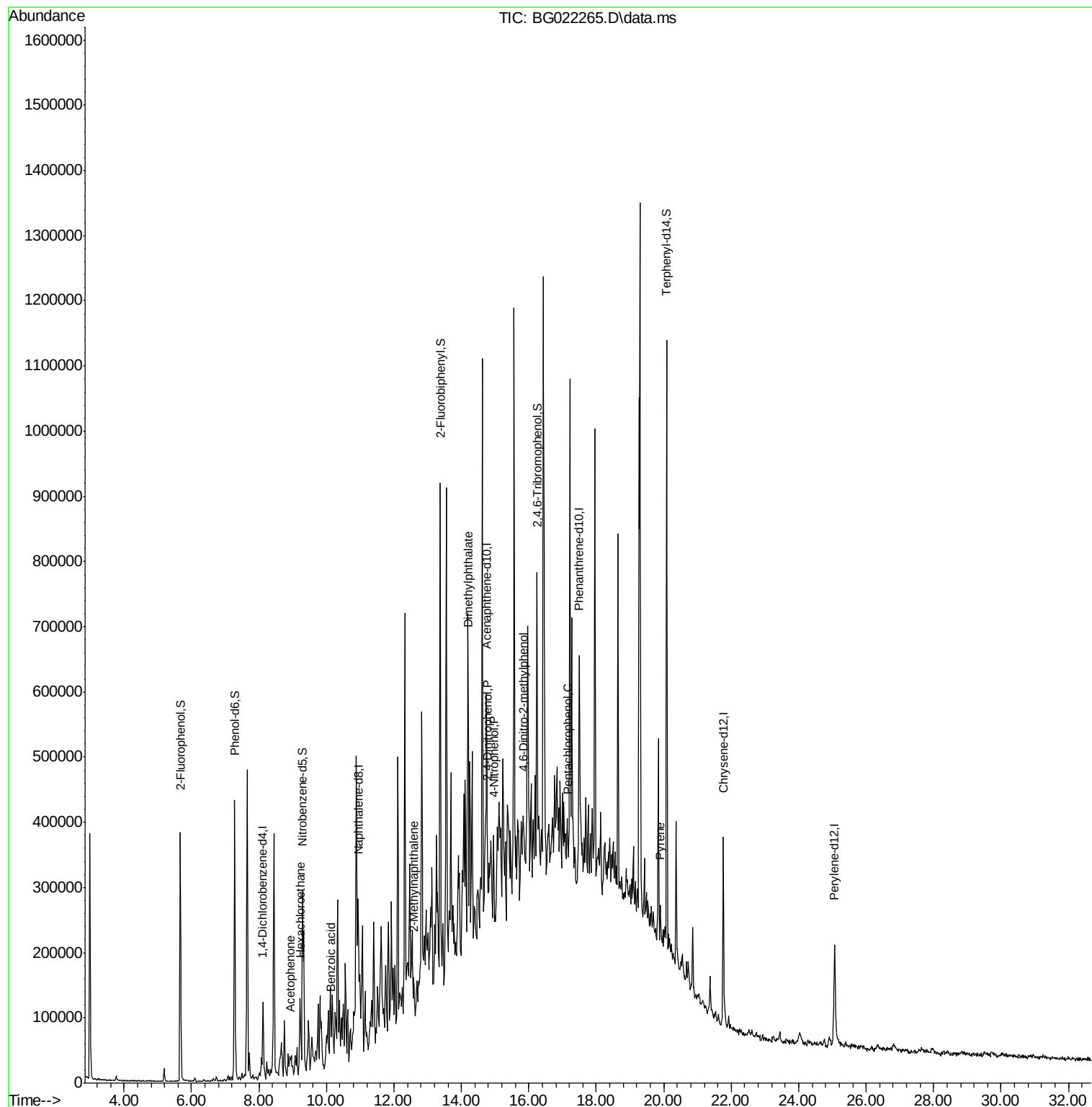
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.113	152	42740	20.00	ng	0.00
21) Naphthalene-d8	10.939	136	202402	20.00	ng	0.00
38) Acenaphthene-d10	14.746	164	108103	20.00	ng	0.00
63) Phenanthrene-d10	17.490	188	201934	20.00	ng	0.00
75) Chrysene-d12	21.768	240	188282	20.00	ng	0.00
86) Perylene-d12	25.064	264	187951	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.669	112	253206	114.54	ng	0.00
7) Phenol-d6	7.279	99	380503	109.48	ng	0.00
23) Nitrobenzene-d5	9.288	82	201592	69.44	ng	0.00
41) 2,4,6-Tribromophenol	16.239	330	104013	85.15	ng	0.00
44) 2-Fluorobiphenyl	13.372	172	451333	63.63	ng	0.00
78) Terphenyl-d14	20.087	244	454289	57.28	ng	0.00
Target Compounds						
						Qvalue
18) Hexachloroethane	9.223	117	13006	10.92	ng	# 1
22) Acetophenone	8.918	105	25333	5.81	ng	# 52
32) Benzoic acid	10.140	122	355	7.68	ng	# 1
37) 2-Methylnaphthalene	12.584	142	31083	4.17	ng	95
49) Dimethylphthalate	14.188	163	130422	14.55	ng	# 98
53) 2,4-Dinitrophenol	14.764	184	65	10.99	ng	# 1
55) 4-Nitrophenol	14.958	139	4175	2.80	ng	# 11
64) 4,6-Dinitro-2-methylph...	15.828	198	74	5.54	ng	# 1
69) Pentachlorophenol	17.149	266	58	6.83	ng	# 32
77) Pyrene	19.899	202	32614	2.79	ng	94

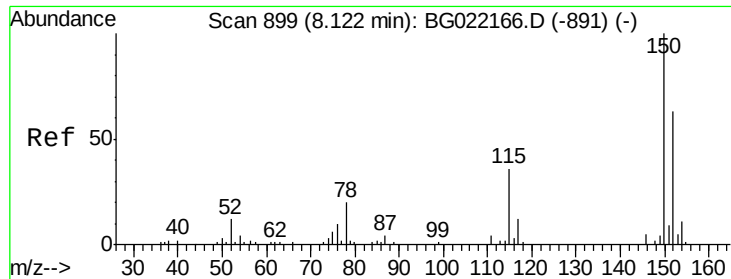
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 8.113 min Scan# 89

Delta R.T. -0.009 min

Lab File: BG022265.D

Acq: 9 Jun 2016 12:34

Instrument :

BNA_G

ClientSampleId :

MPB-E-3-SOIL

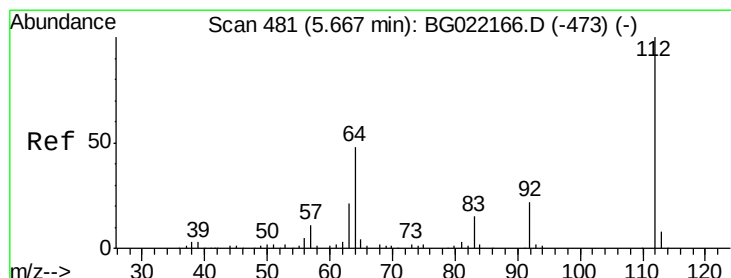
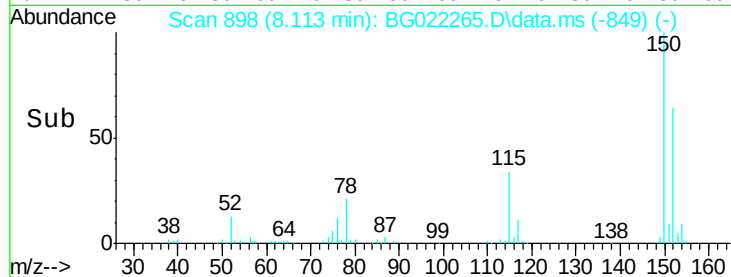
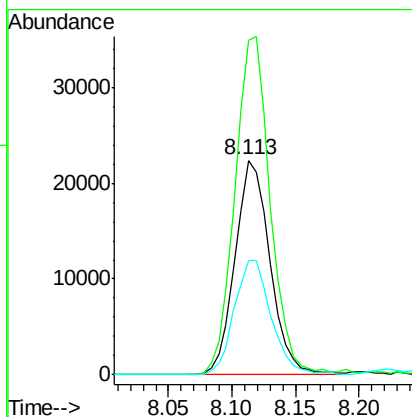
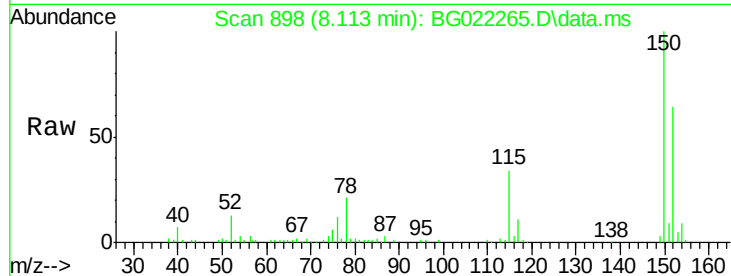
Tot Ion:152 Resp: 42740

Ion Ratio Lower Upper

152 100

150 156.1 130.1 195.1

115 53.0 62.2 93.2#



#5

2-Fluorophenol

Concen: 114.54 ng

RT: 5.669 min Scan# 482

Delta R.T. 0.003 min

Lab File: BG022265.D

Acq: 9 Jun 2016 12:34

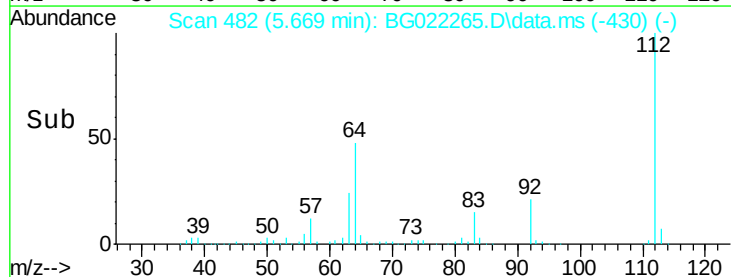
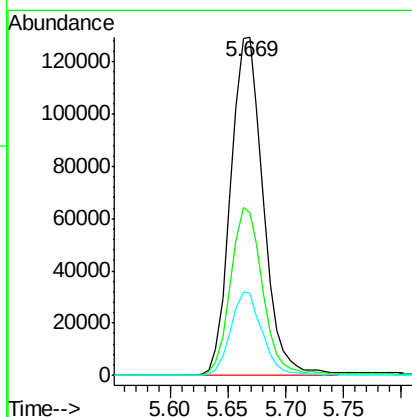
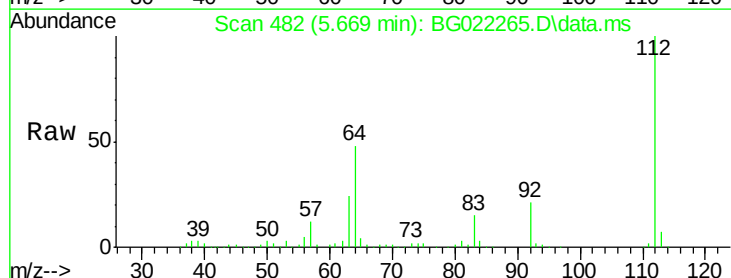
Tgt Ion:112 Resp: 253206

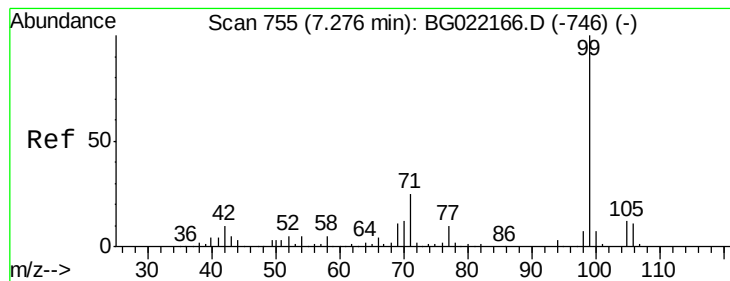
Ion Ratio Lower Upper

112 100

64 48.2 51.1 76.7#

63 24.2 24.6 37.0#





#7

Phenol-d6

Concen: 109.48 ng

RT: 7.279 min Scan# 75

Delta R.T. 0.002 min

Lab File: BG022265.D

Acq: 9 Jun 2016 12:34

Instrument :

BNA_G

ClientSampleId :

MPB-E-3-SOIL

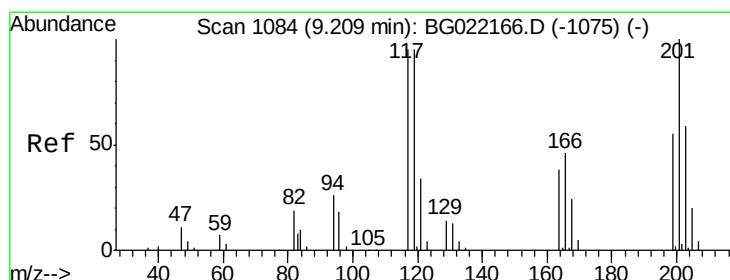
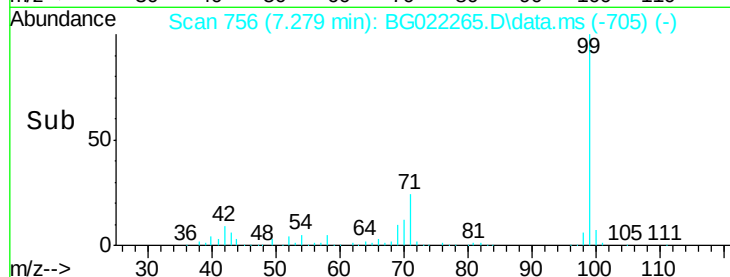
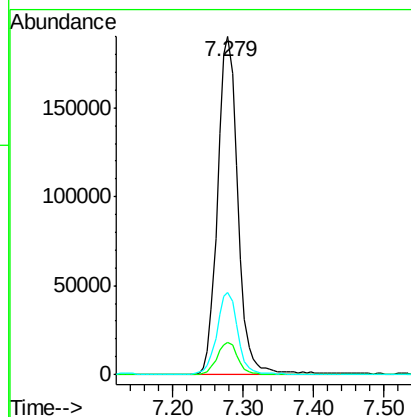
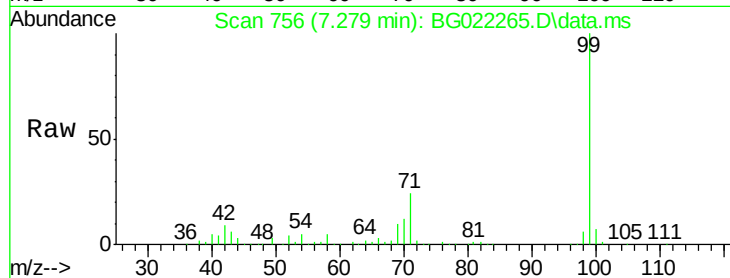
Tot Ion: 99 Resp: 380503

Ion Ratio Lower Upper

99 100

42 9.4 16.4 24.6#

71 24.5 25.0 37.4#



#18

Hexachloroethane

Concen: 10.92 ng

RT: 9.223 min Scan# 1087

Delta R.T. 0.014 min

Lab File: BG022265.D

Acq: 9 Jun 2016 12:34

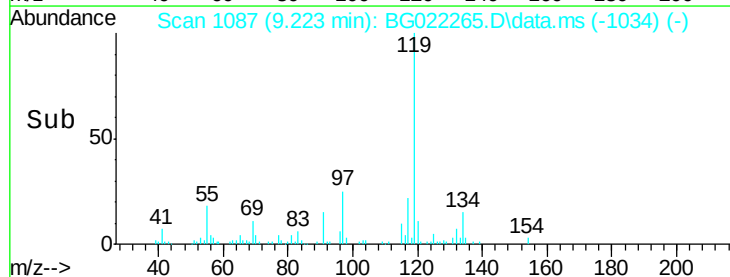
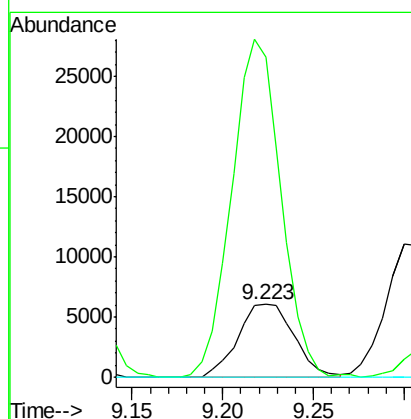
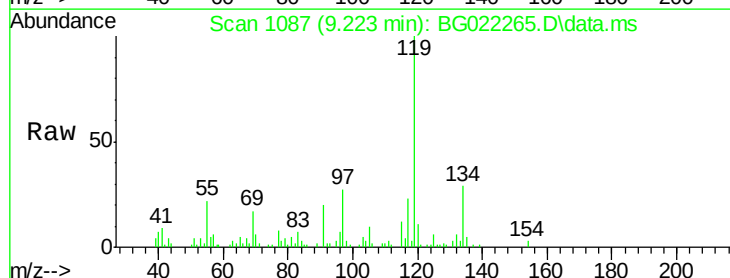
Tgt Ion: 117 Resp: 13006

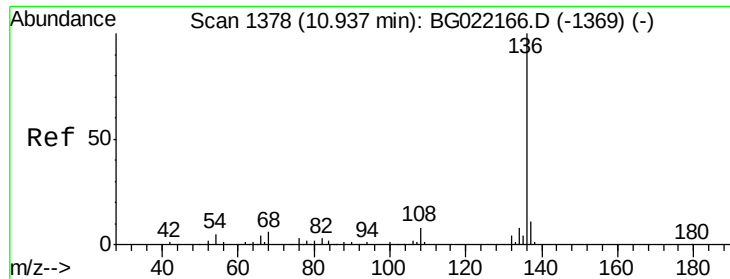
Ion Ratio Lower Upper

117 100

119 442.7 63.9 95.9#

201 0.0 61.2 91.8#

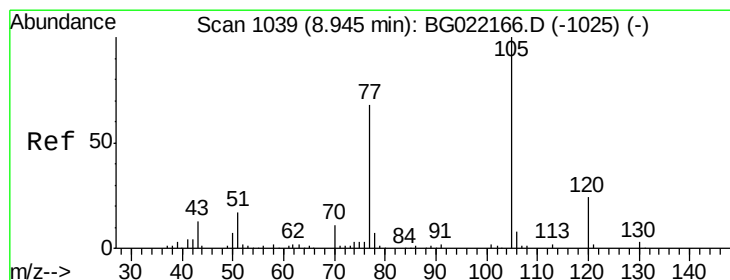
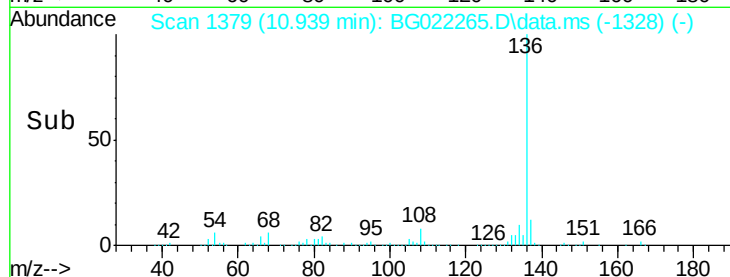
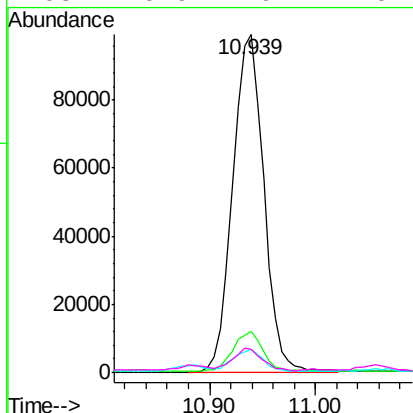
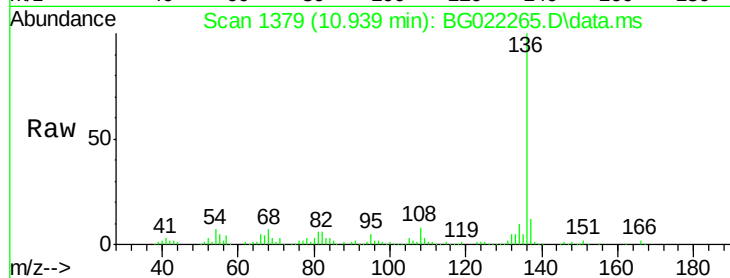




#21
Naphthalene-d8
Concen: 20.00 ng
RT: 10.939 min Scan# 1378
Delta R.T. 0.002 min
Lab File: BG022265.D
Acq: 9 Jun 2016 12:34

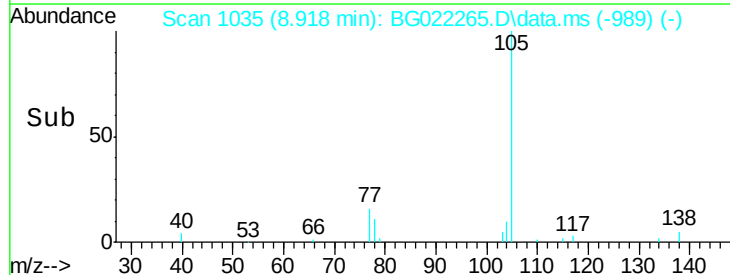
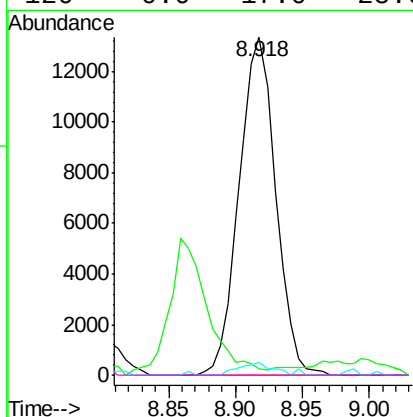
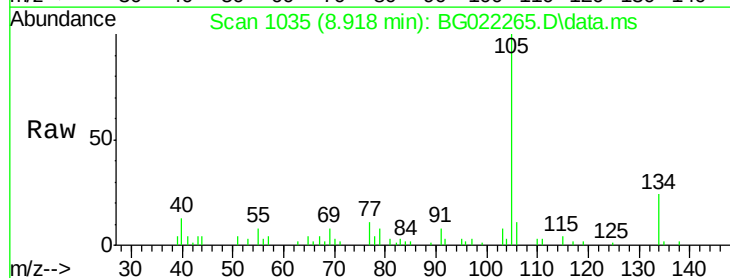
Instrument :
BNA_G
ClientSampleId :
MPB-E-3-SOIL

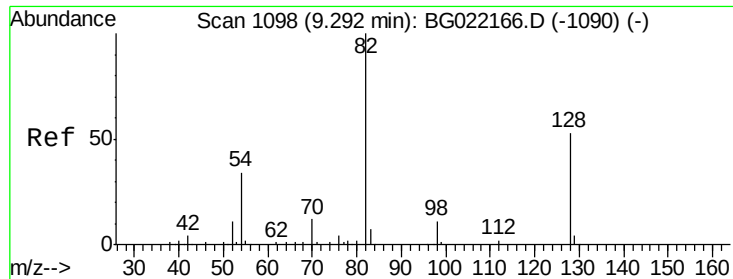
Tot Ion:136	Resp:	202402
Ion Ratio	Lower	Upper
136 100		
137 12.1	9.0	13.4
54 6.9	9.6	14.4#
68 6.9	6.4	9.6



#22
Acetophenone
Concen: 5.81 ng
RT: 8.918 min Scan# 1035
Delta R.T. -0.027 min
Lab File: BG022265.D
Acq: 9 Jun 2016 12:34

Tgt Ion:105	Resp:	25333
Ion Ratio	Lower	Upper
105 100		
71 2.1	0.0	0.0#
51 3.9	25.7	38.5#
120 0.0	17.0	25.6#





#23

Nitrobenzene-d5

Concen: 69.44 ng

RT: 9.288 min Scan# 10

Delta R.T. -0.004 min

Lab File: BG022265.D

Acq: 9 Jun 2016 12:34

Instrument :

BNA_G

ClientSampleId :

MPB-E-3-SOIL

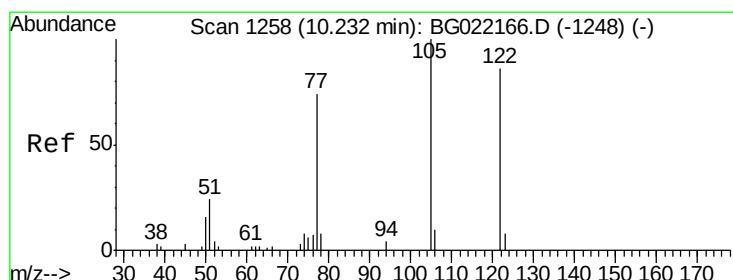
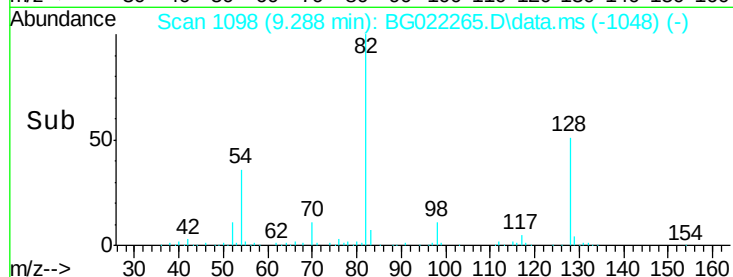
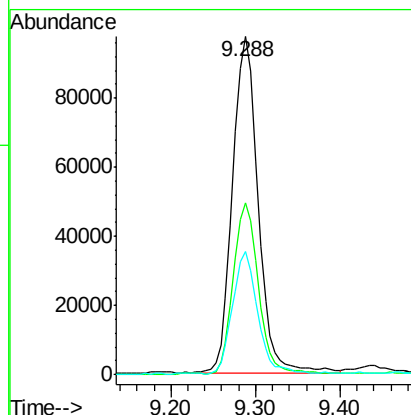
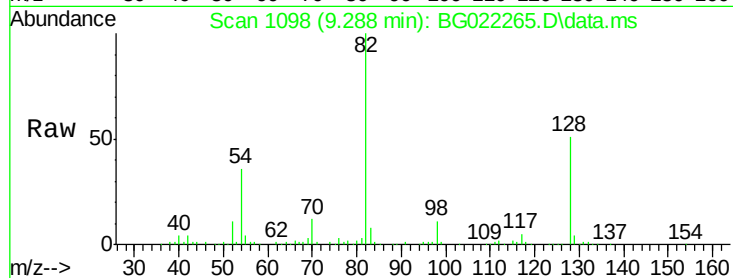
Tot Ion: 82 Resp: 201592

Ion Ratio Lower Upper

82 100

128 50.9 33.4 50.0#

54 36.4 46.1 69.1#



#32

Benzoic acid

Concen: 7.68 ng

RT: 10.140 min Scan# 1243

Delta R.T. -0.091 min

Lab File: BG022265.D

Acq: 9 Jun 2016 12:34

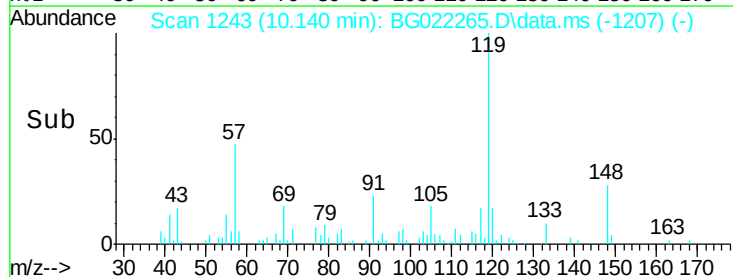
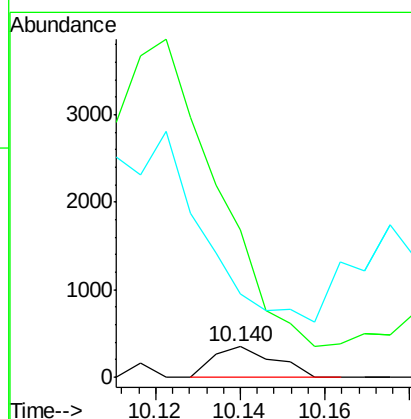
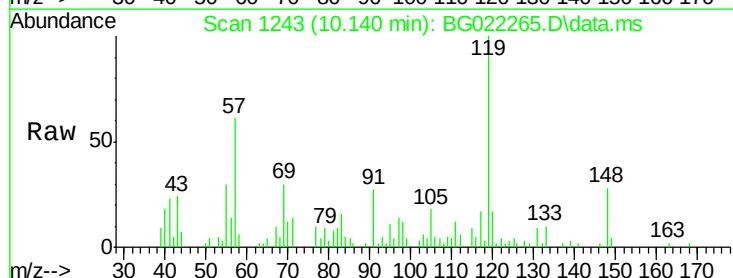
Tgt Ion: 122 Resp: 355

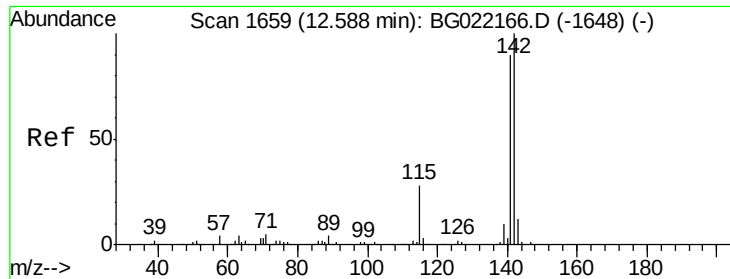
Ion Ratio Lower Upper

122 100

105 484.2 104.5 144.5#

77 272.7 79.9 119.9#

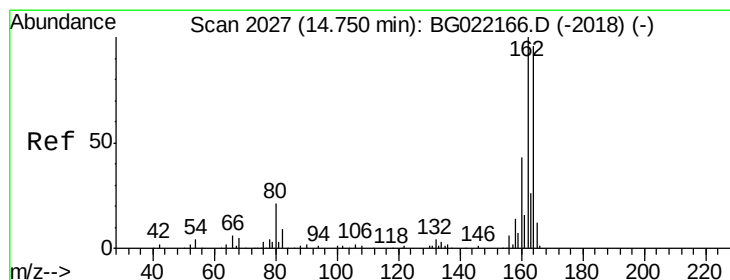
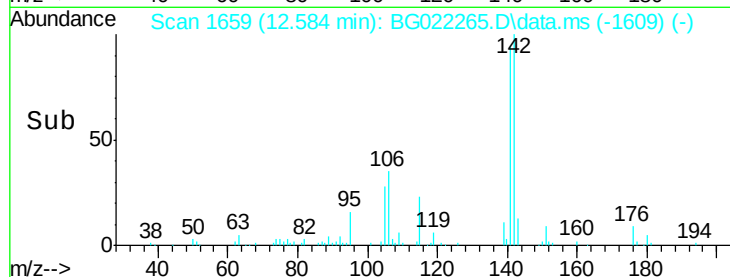
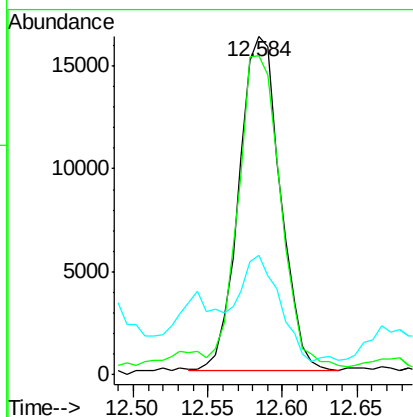
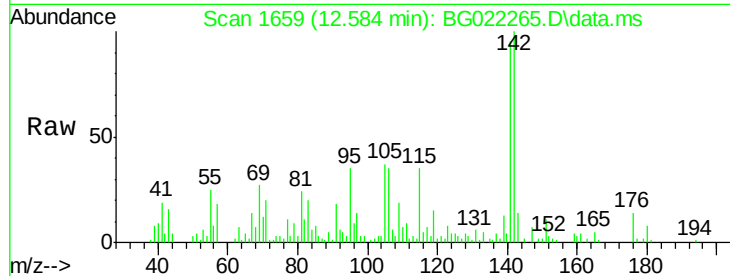




#37
2-Methylnaphthalene
Concen: 4.17 ng
RT: 12.584 min Scan# 1659
Delta R.T. -0.004 min
Lab File: BG022265.D
Acq: 9 Jun 2016 12:34

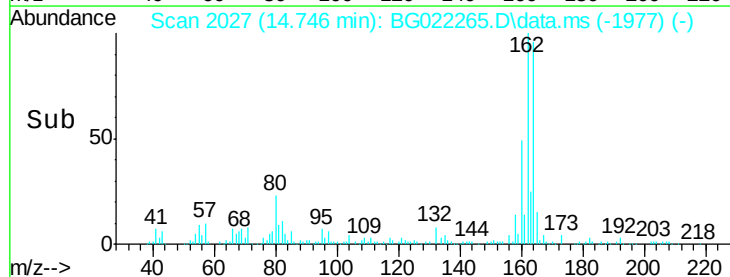
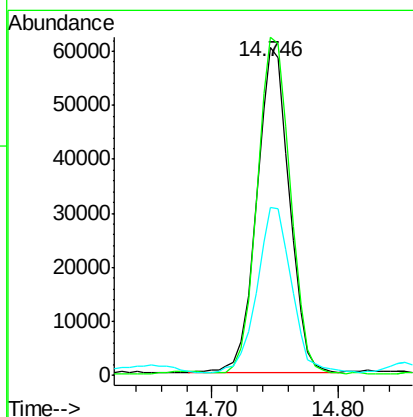
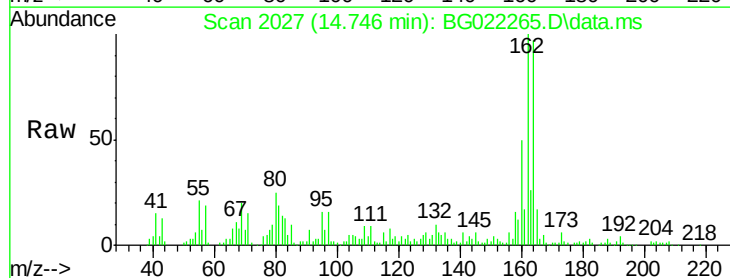
Instrument :
BNA_G
ClientSampleId :
MPB-E-3-SOIL

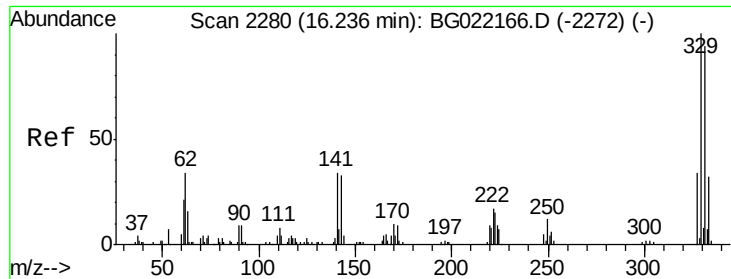
Tot Ion	Ratio	Lower	Upper
142	100		
141	94.5	71.4	107.0
115	35.3	27.4	41.2



#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 14.746 min Scan# 2027
Delta R.T. -0.004 min
Lab File: BG022265.D
Acq: 9 Jun 2016 12:34

Tgt Ion	Ratio	Lower	Upper
164	100		
162	103.1	78.0	117.0
160	51.1	32.9	49.3

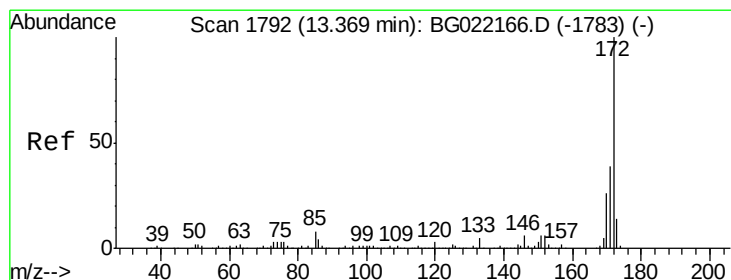
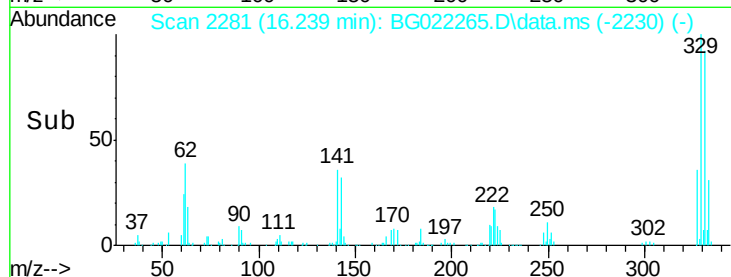
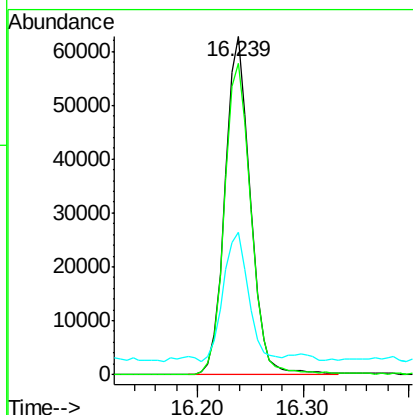
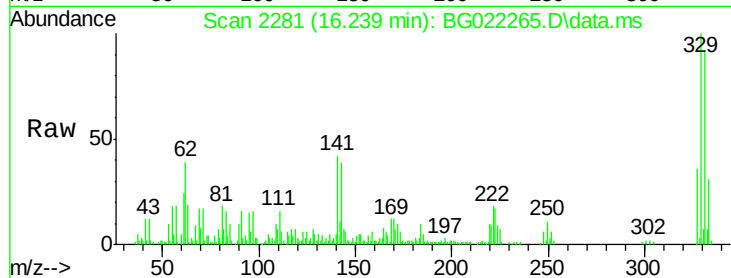




#41
 2,4,6-Tribromophenol
 Concen: 85.15 ng
 RT: 16.239 min Scan# 22
 Delta R.T. 0.002 min
 Lab File: BG022265.D
 Acq: 9 Jun 2016 12:34

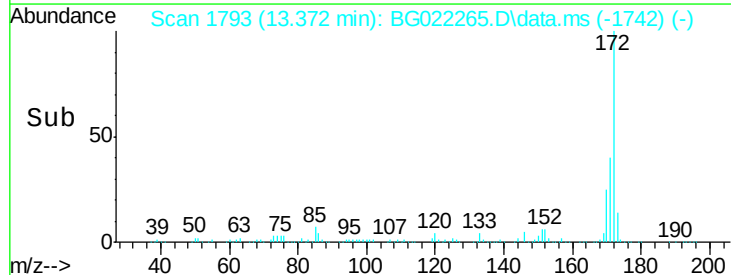
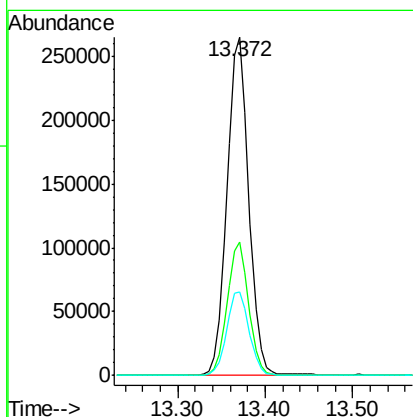
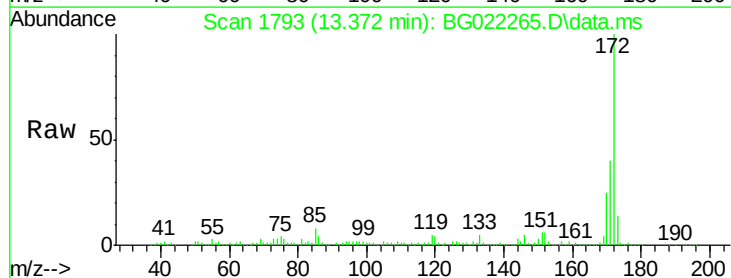
Instrument :
 BNA_G
 ClientSampleId :
 MPB-E-3-SOIL

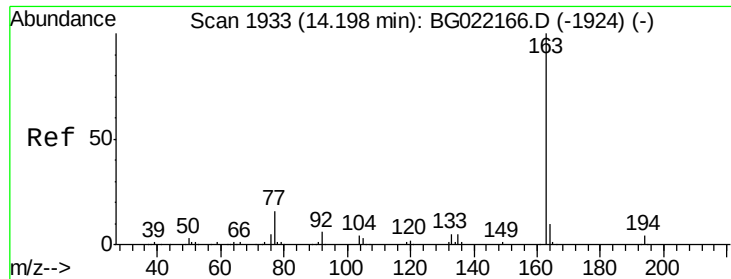
Tot Ion:330 Resp: 104013
 Ion Ratio Lower Upper
 330 100
 332 96.1 78.0 117.0
 141 38.6 33.8 50.8



#44
 2-Fluorobiphenyl
 Concen: 63.63 ng
 RT: 13.372 min Scan# 1793
 Delta R.T. 0.002 min
 Lab File: BG022265.D
 Acq: 9 Jun 2016 12:34

Tgt Ion:172 Resp: 451333
 Ion Ratio Lower Upper
 172 100
 171 39.6 27.8 41.6
 170 24.8 19.6 29.4





#49

Dimethylphthalate

Concen: 14.55 ng

RT: 14.188 min Scan# 19

Delta R.T. -0.009 min

Lab File: BG022265.D

Acq: 9 Jun 2016 12:34

Instrument :

BNA_G

ClientSampleId :

MPB-E-3-SOIL

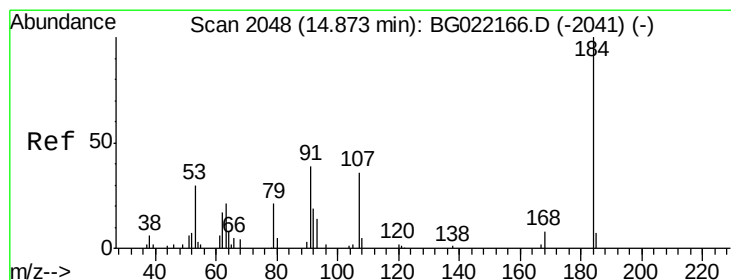
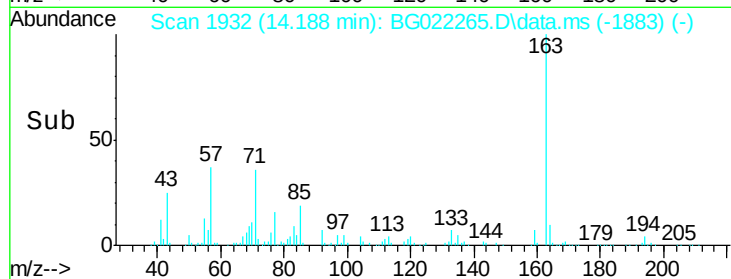
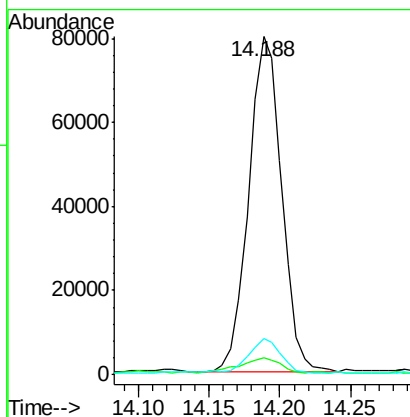
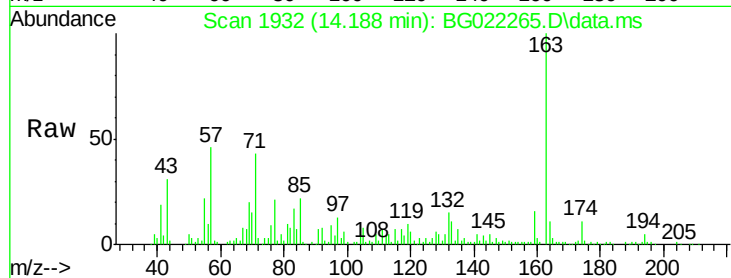
Tot Ion:163 Resp: 130422

Ion Ratio Lower Upper

163 100

194 5.1 3.0 4.6#

164 10.8 8.1 12.1



#53

2,4-Dinitrophenol

Concen: 10.99 ng

RT: 14.764 min Scan# 2030

Delta R.T. -0.109 min

Lab File: BG022265.D

Acq: 9 Jun 2016 12:34

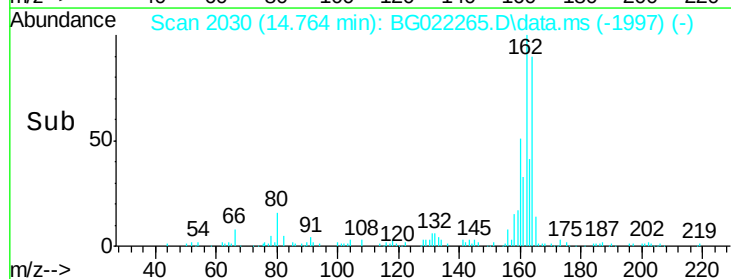
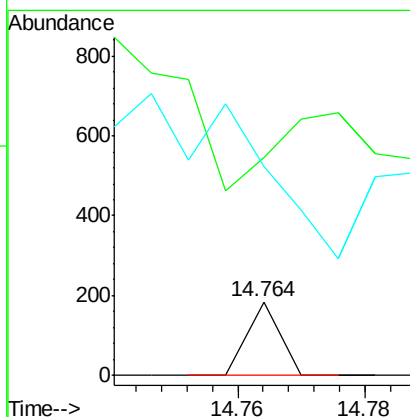
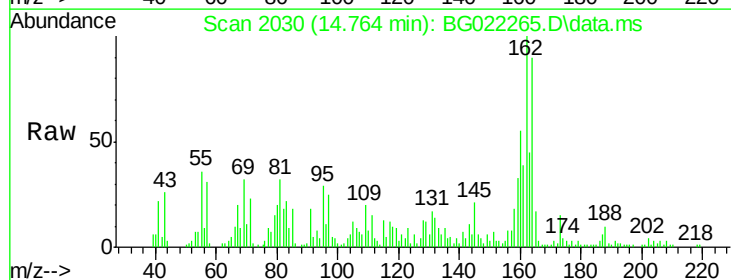
Tgt Ion:184 Resp: 65

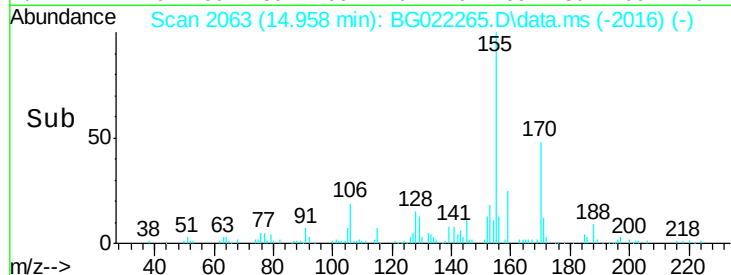
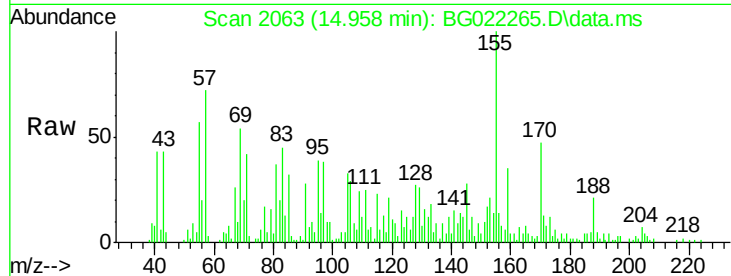
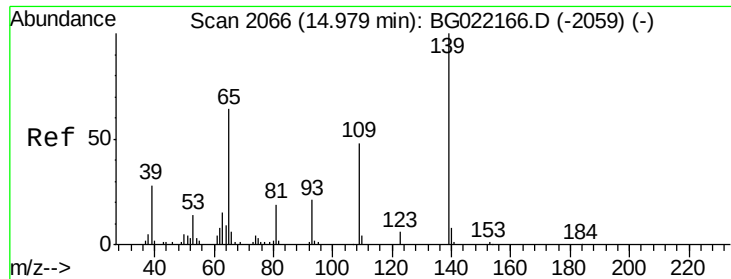
Ion Ratio Lower Upper

184 100

63 296.7 57.3 85.9#

154 283.7 55.2 82.8#





#55

4-Nitrophenol

Concen: 2.80 ng

RT: 14.958 min Scan# 20

Delta R.T. -0.021 min

Lab File: BG022265.D

Acq: 9 Jun 2016 12:34

Instrument :

BNA_G

ClientSampleId :

MPB-E-3-SOIL

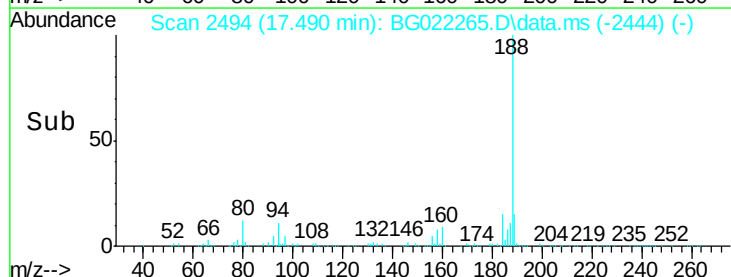
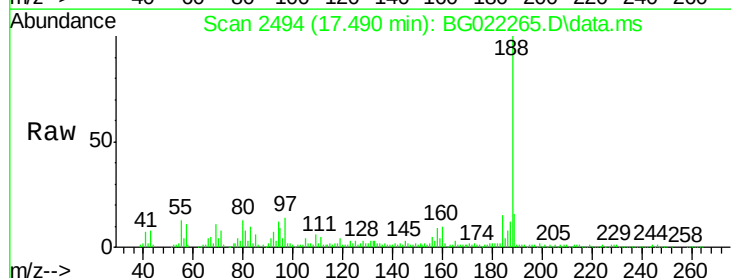
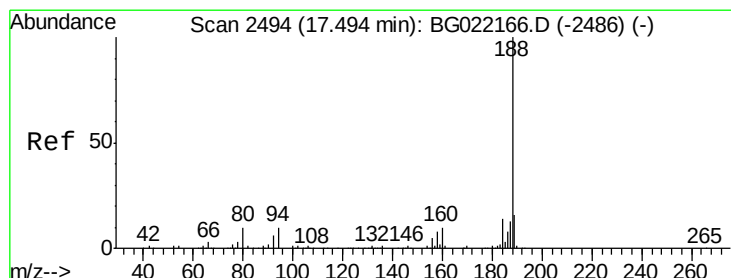
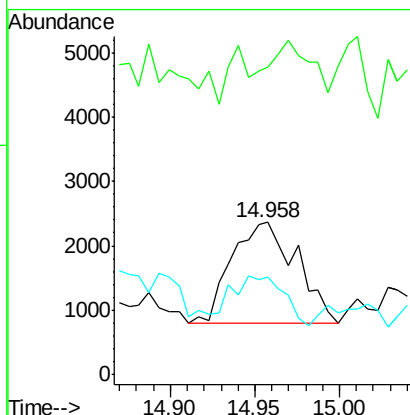
Tot Ion:139 Resp: 4175

Ion Ratio Lower Upper

139 100

109 202.2 49.2 89.2#

65 63.7 83.2 123.2#



#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 17.490 min Scan# 2494

Delta R.T. -0.004 min

Lab File: BG022265.D

Acq: 9 Jun 2016 12:34

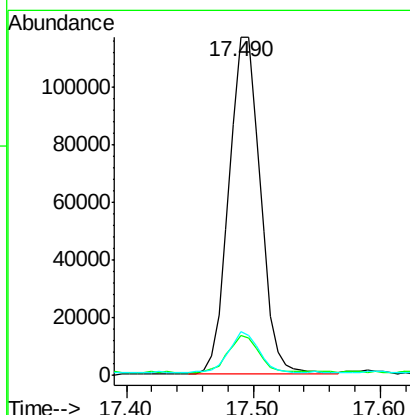
Tgt Ion:188 Resp: 201934

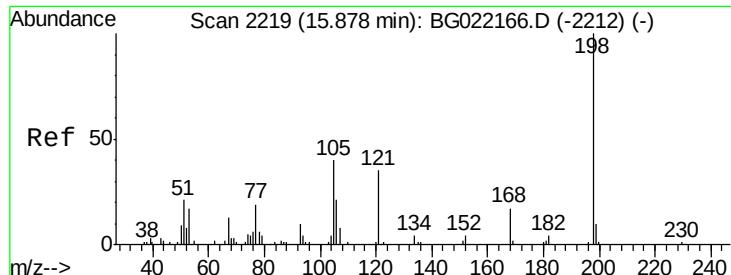
Ion Ratio Lower Upper

188 100

94 11.7 7.5 11.3#

80 13.0 8.6 13.0#

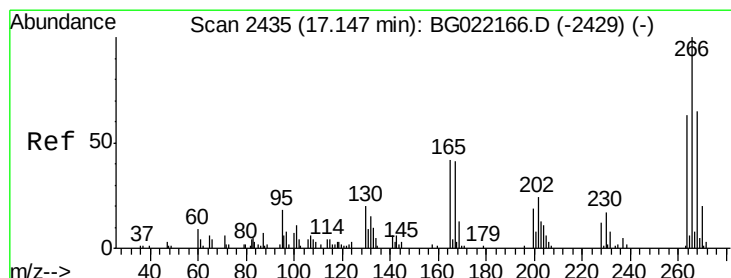
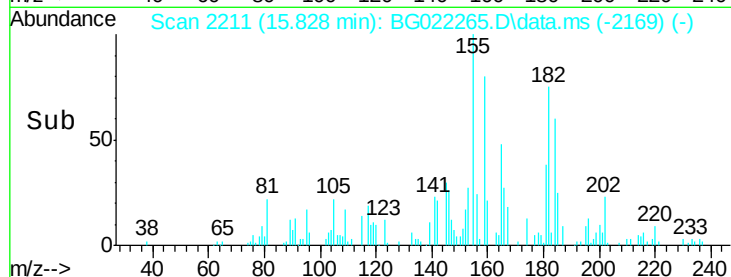
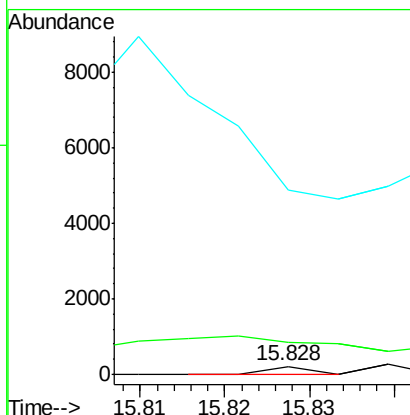
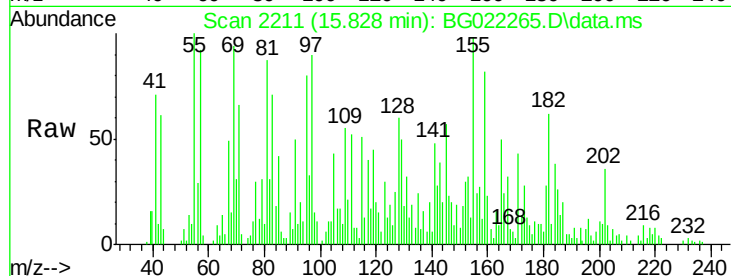




#64
 4,6-Dinitro-2-methylphenol
 Concen: 5.54 ng
 RT: 15.828 min Scan# 2219
 Delta R.T. -0.050 min
 Lab File: BG022265.D
 Acq: 9 Jun 2016 12:34

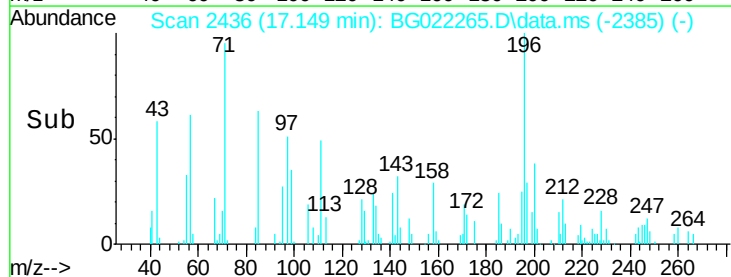
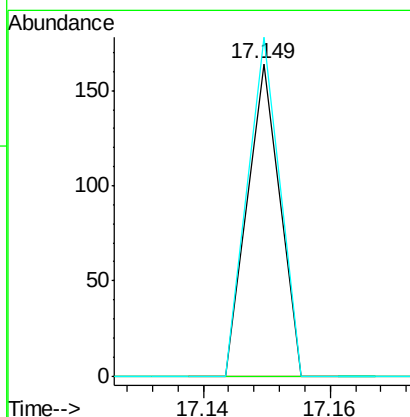
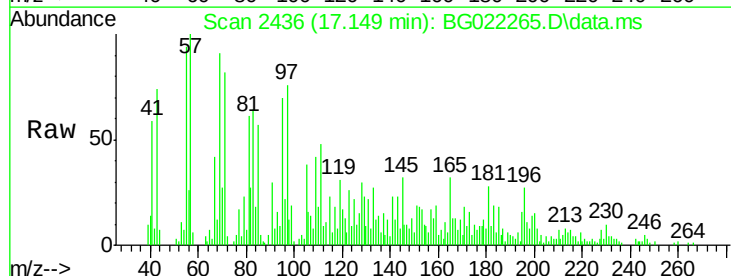
Instrument :
 BNA_G
 ClientSampleId :
 MPB-E-3-SOIL

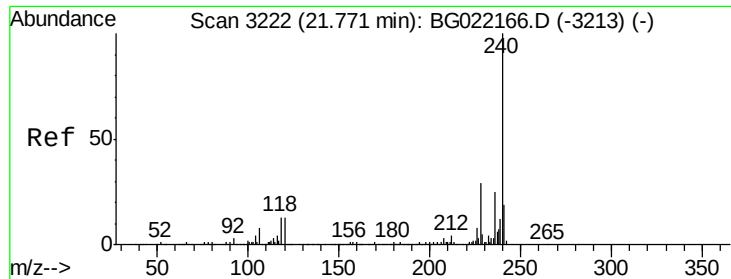
Tot Ion:198 Resp: 74
 Ion Ratio Lower Upper
 198 100
 51 401.4 29.2 69.2#
 105 2337.3 24.0 64.0#



#69
 Pentachlorophenol
 Concen: 6.83 ng
 RT: 17.149 min Scan# 2436
 Delta R.T. 0.002 min
 Lab File: BG022265.D
 Acq: 9 Jun 2016 12:34

Tgt Ion:266 Resp: 58
 Ion Ratio Lower Upper
 266 100
 268 0.0 54.5 81.7#
 264 108.5 53.8 80.6#





#75

Chrysene-d12

Concen: 20.00 ng

RT: 21.768 min Scan# 32

Delta R.T. -0.004 min

Lab File: BG022265.D

Acq: 9 Jun 2016 12:34

Instrument :

BNA_G

ClientSampleId :

MPB-E-3-SOIL

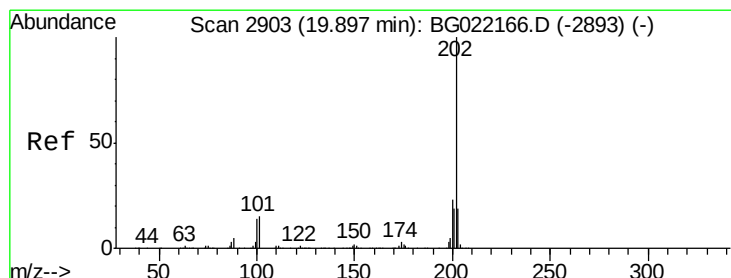
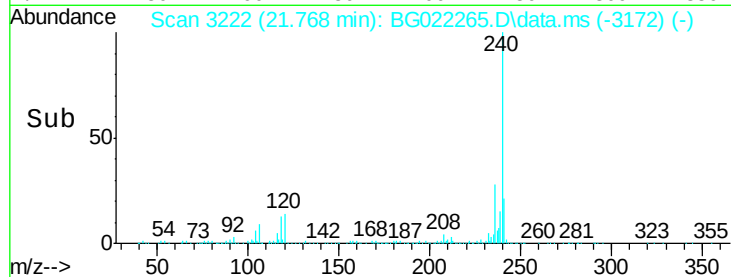
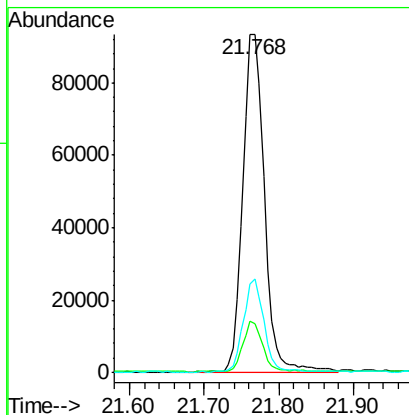
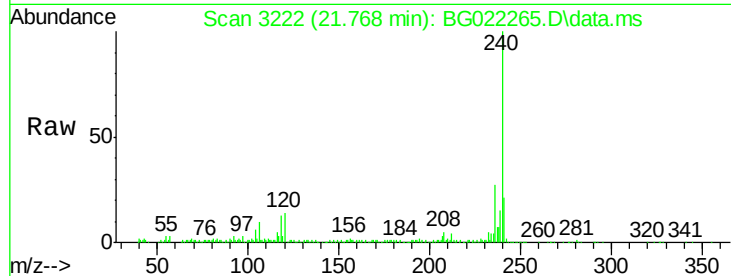
Tot Ion:240 Resp: 188282

Ion Ratio Lower Upper

240 100

120 14.3 8.4 12.6#

236 27.5 19.6 29.4



#77

Pyrene

Concen: 2.79 ng

RT: 19.899 min Scan# 2904

Delta R.T. 0.002 min

Lab File: BG022265.D

Acq: 9 Jun 2016 12:34

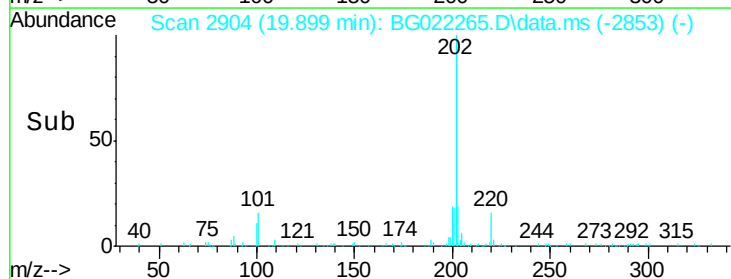
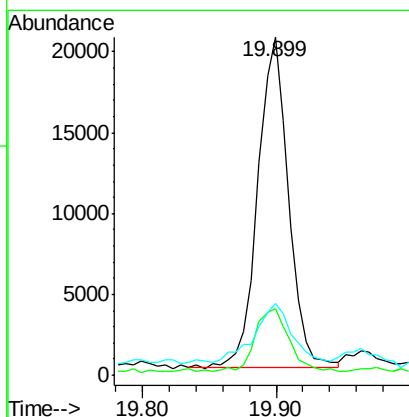
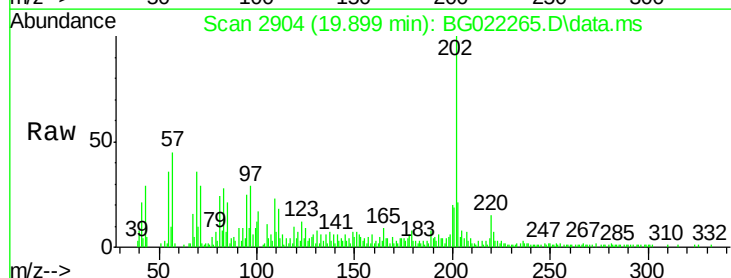
Tgt Ion:202 Resp: 32614

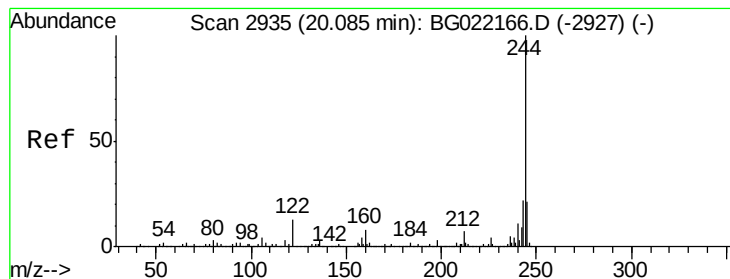
Ion Ratio Lower Upper

202 100

200 19.8 18.2 27.2

203 21.2 15.0 22.4





#78

Terphenyl-d14

Concen: 57.28 ng

RT: 20.087 min Scan# 29

Delta R.T. 0.002 min

Lab File: BG022265.D

Acq: 9 Jun 2016 12:34

Instrument :

BNA_G

ClientSampleId :

MPB-E-3-SOIL

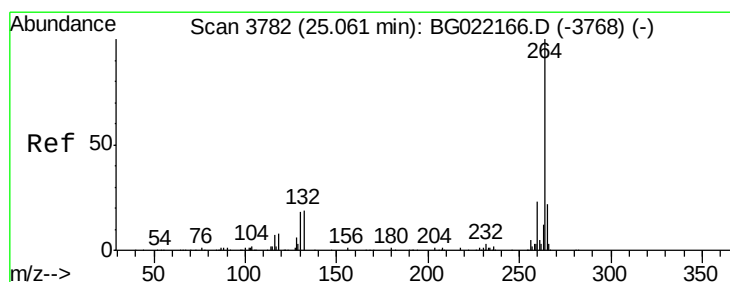
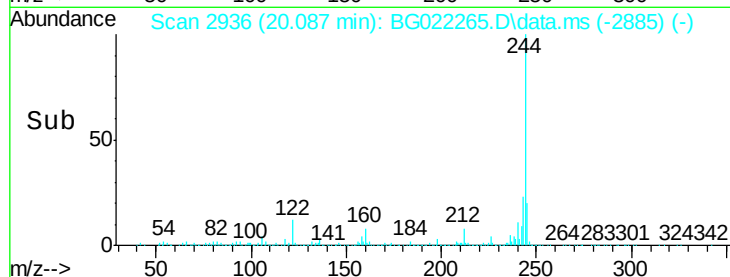
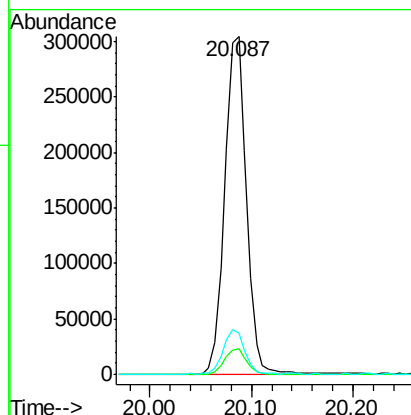
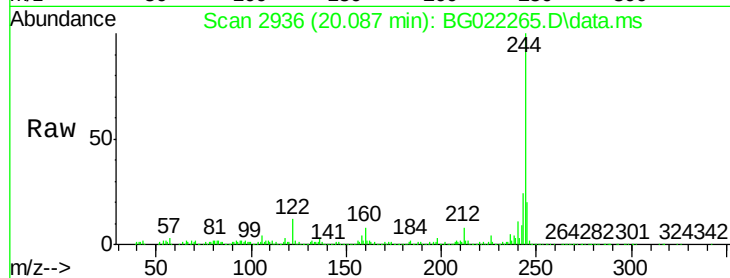
Tot Ion:244 Resp: 454289

Ion Ratio Lower Upper

244 100

212 7.7 6.5 9.7

122 12.3 8.6 12.8



#86

Perylene-d12

Concen: 20.00 ng

RT: 25.064 min Scan# 3783

Delta R.T. 0.002 min

Lab File: BG022265.D

Acq: 9 Jun 2016 12:34

Tgt Ion:264 Resp: 187951

Ion Ratio Lower Upper

264 100

260 23.7 20.2 30.4

265 21.1 17.8 26.8

