

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

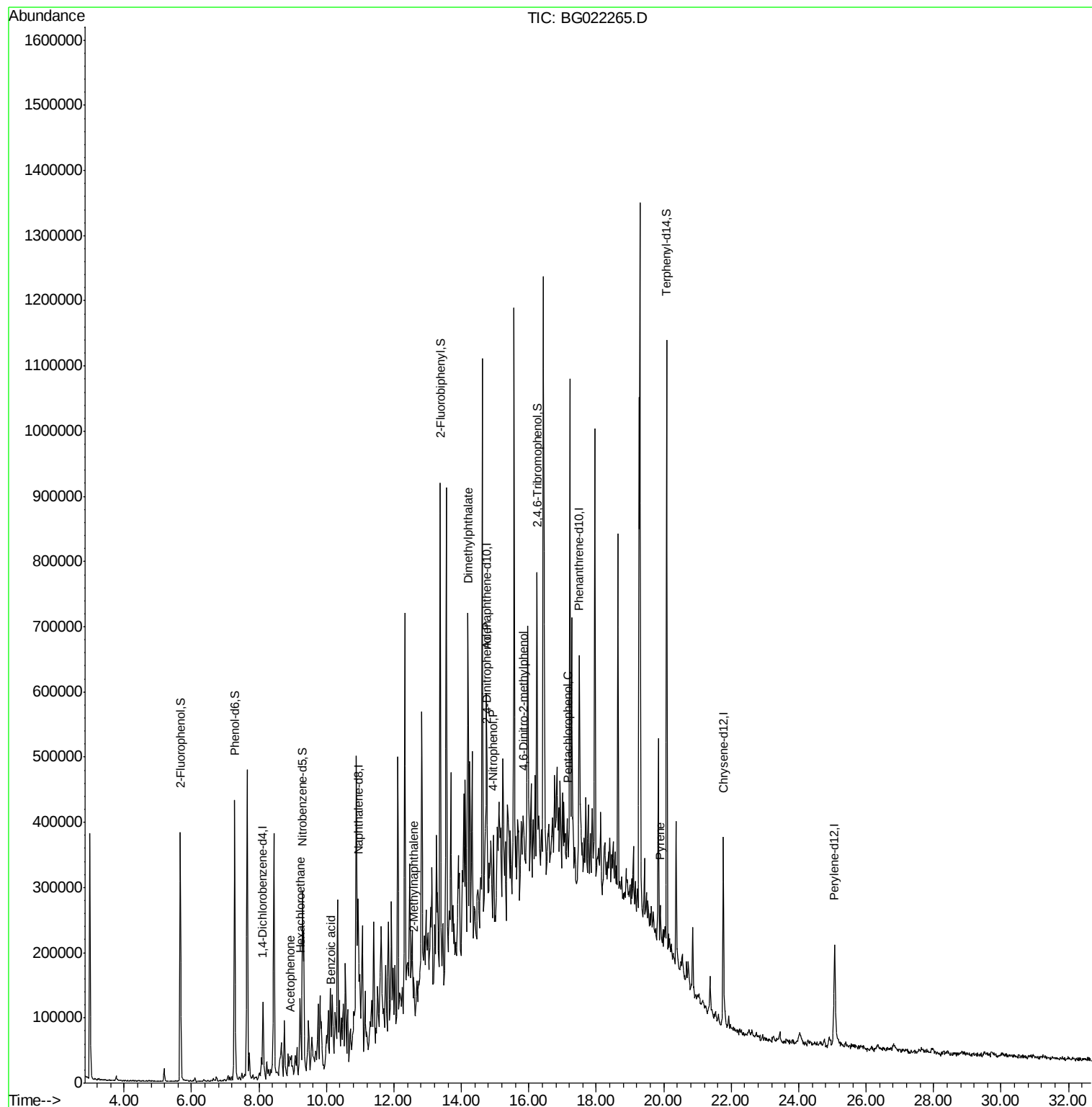
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.11	152	42740	20.00	ng	0.00
21) Naphthalene-d8	10.94	136	202402	20.00	ng	0.00
38) Acenaphthene-d10	14.75	164	108103	20.00	ng	0.00
63) Phenanthrene-d10	17.49	188	201934	20.00	ng	0.00
75) Chrysene-d12	21.77	240	188282	20.00	ng	0.00
86) Perylene-d12	25.06	264	187951	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.67	112	253206	114.54	ng	0.00
7) Phenol-d6	7.28	99	380503	109.48	ng	0.00
23) Nitrobenzene-d5	9.29	82	201592	69.44	ng	0.00
41) 2,4,6-Tribromophenol	16.24	330	104013	85.15	ng	0.00
44) 2-Fluorobiphenyl	13.37	172	451333	63.63	ng	0.00
78) Terphenyl-d14	20.09	244	454289	57.28	ng	0.00
Target Compounds						
18) Hexachloroethane	9.22	117	13006	10.92	ng	# 1
22) Acetophenone	8.92	105	25333	5.81	ng	# 52
32) Benzoic acid	10.14	122	355	7.68	ng	# 1
37) 2-Methylnaphthalene	12.58	142	31083	4.17	ng	95
49) Dimethylphthalate	14.19	163	130422	14.55	ng	# 98
53) 2,4-Dinitrophenol	14.76	184	65	10.99	ng	# 1
55) 4-Nitrophenol	14.96	139	4175	2.80	ng	# 11
64) 4,6-Dinitro-2-methylphenol	15.83	198	74	5.54	ng	# 1
69) Pentachlorophenol	17.15	266	58	6.83	ng	# 32
77) Pyrene	19.90	202	32614	2.79	ng	94

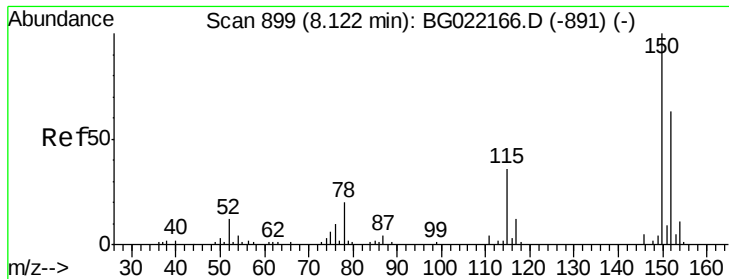
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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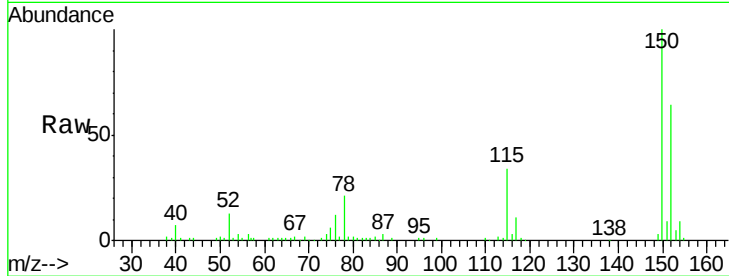


#1

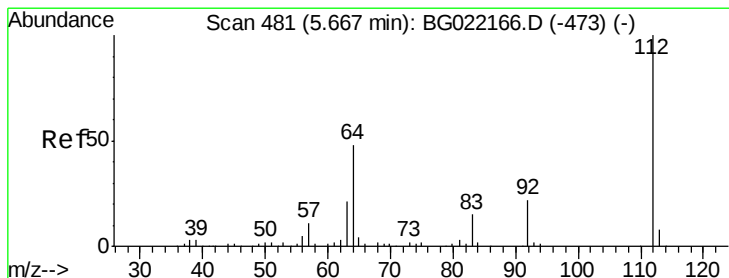
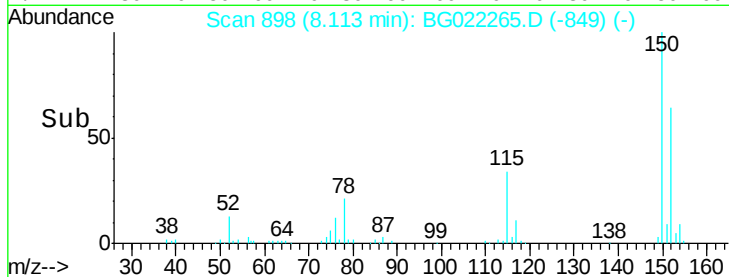
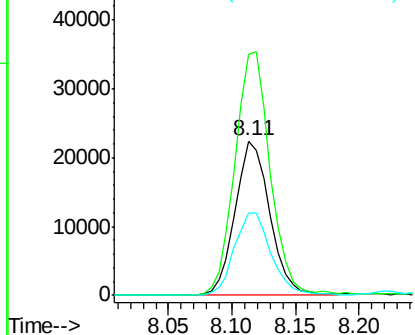
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 8.11 min Scan# 898
Delta R.T. -0.01 min
Lab File: BG022265.D
Acq: 9 Jun 2016 12:34

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#



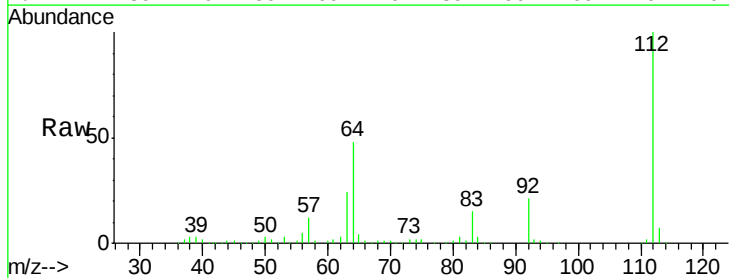
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



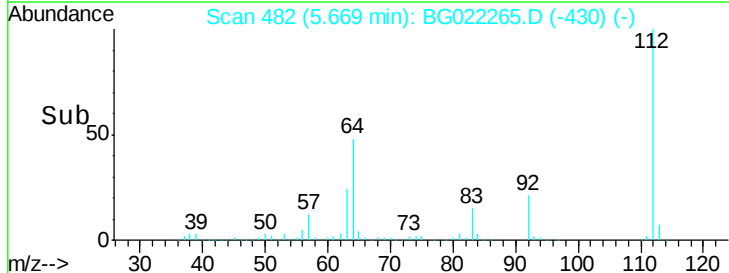
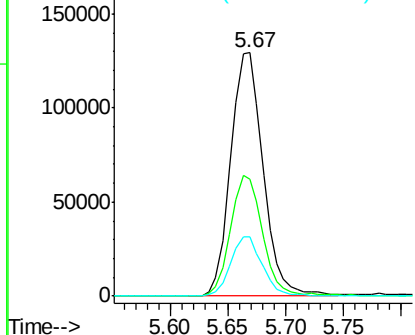
#5

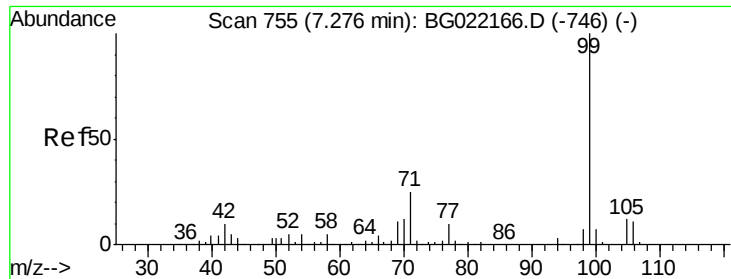
2-Fluorophenol
Concen: 114.54 ng
RT: 5.67 min Scan# 482
Delta R.T. 0.00 min
Lab File: BG022265.D
Acq: 9 Jun 2016 12:34

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#



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BG0
Ion 63.00 (62.70 to 63.70): BG0





#7

Phenol-d6

Concen: 109.48 ng

RT: 7.28 min Scan# 756

Delta R.T. 0.00 min

Lab File: BG022265.D

Acq: 9 Jun 2016 12:34

Instrument :

BNA_G

ClientSampleId :

MPB-E-3-SOIL

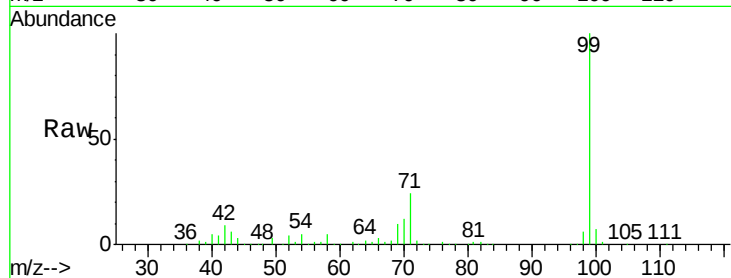
Tot Ion: 99 Resp: 380503

Ion Ratio Lower Upper

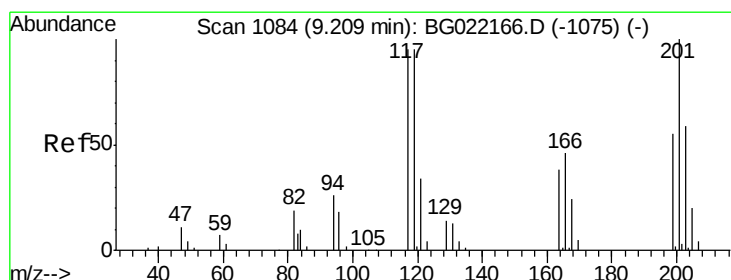
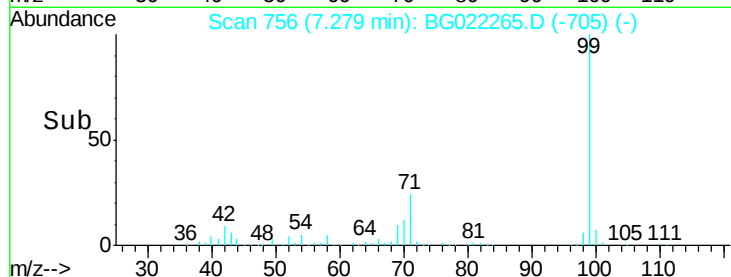
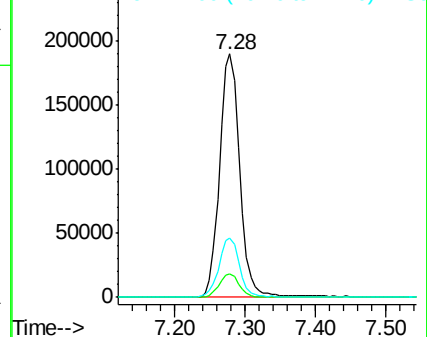
99 100

42 9.4 16.4 24.6#

71 24.5 25.0 37.4#



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



#18

Hexachloroethane

Concen: 10.92 ng

RT: 9.22 min Scan# 1087

Delta R.T. 0.01 min

Lab File: BG022265.D

Acq: 9 Jun 2016 12:34

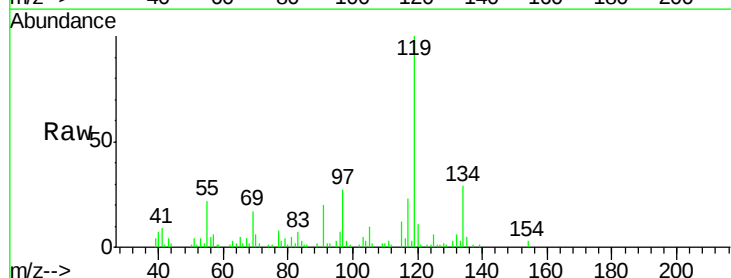
Tgt Ion: 117 Resp: 13006

Ion Ratio Lower Upper

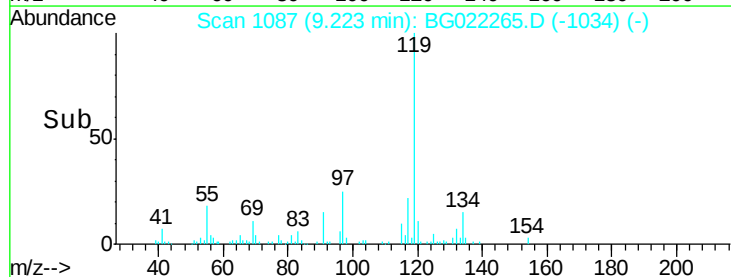
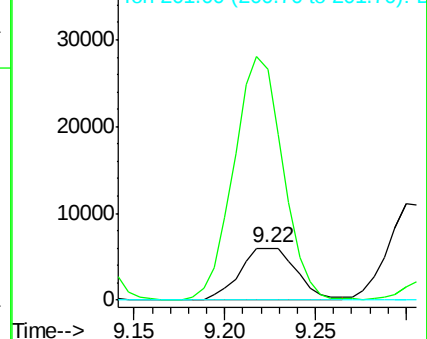
117 100

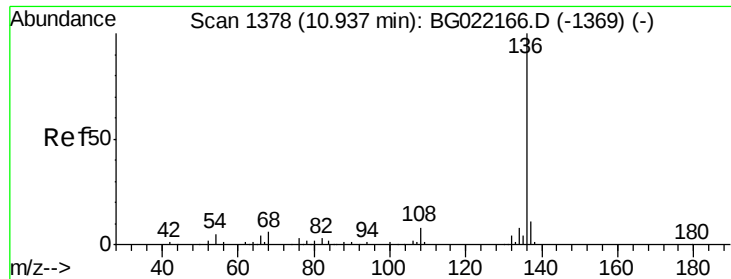
119 442.7 63.9 95.9#

201 0.0 61.2 91.8#



Abundance Ion 117.00 (116.70 to 117.70): E
Ion 119.00 (118.70 to 119.70): E
Ion 201.00 (200.70 to 201.70): E





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 10.94 min Scan# 1379

Delta R.T. 0.00 min

Lab File: BG022265.D

Acq: 9 Jun 2016 12:34

Instrument :

BNA_G

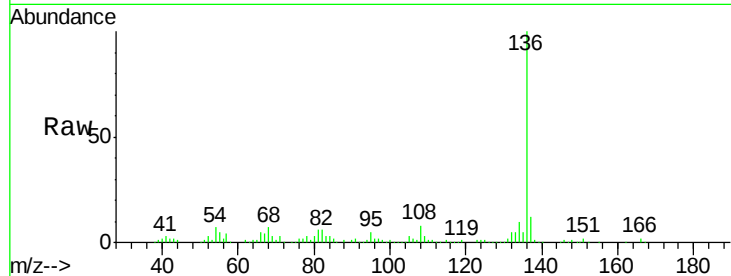
ClientSampleId :

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

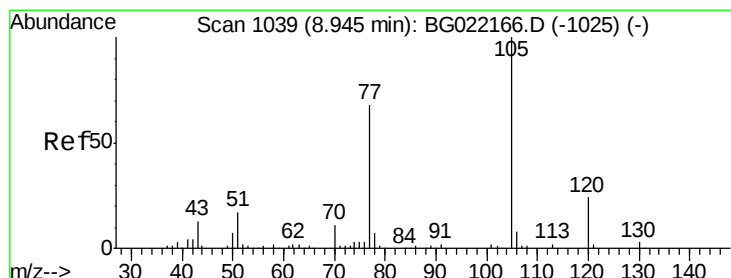
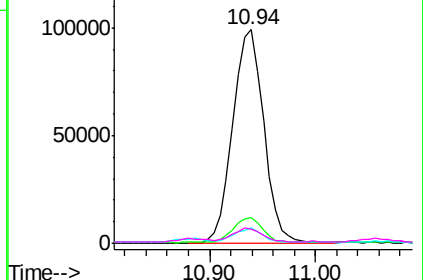
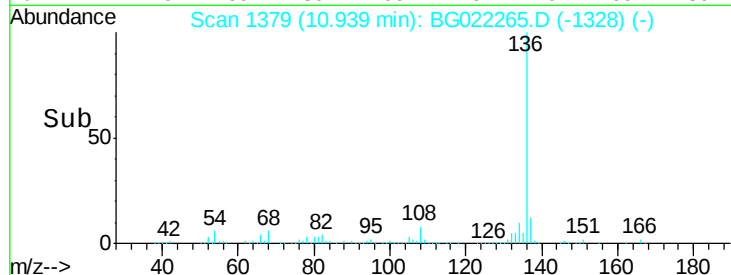


Abundance Ion 136.00 (135.70 to 136.70): E

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



#22

Acetophenone

Concen: 5.81 ng

RT: 8.92 min Scan# 1035

Delta R.T. -0.03 min

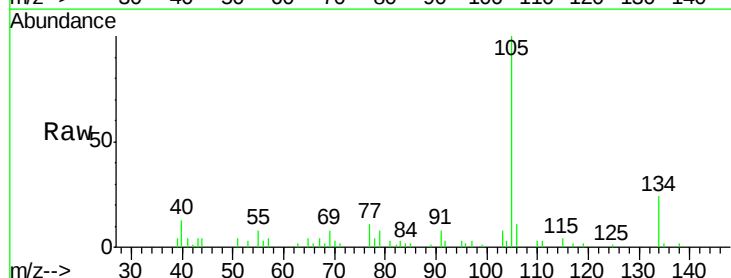
Lab File: BG022265.D

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#

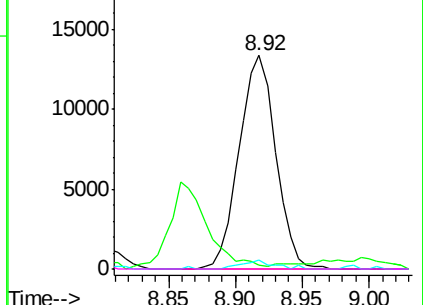
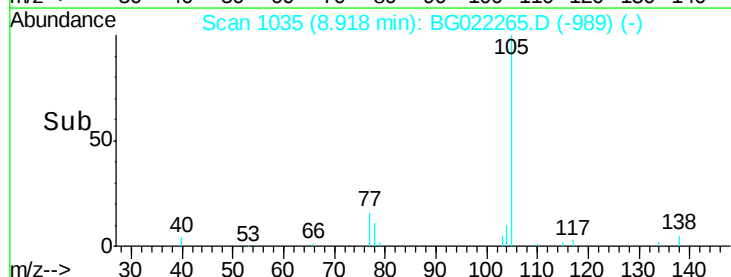


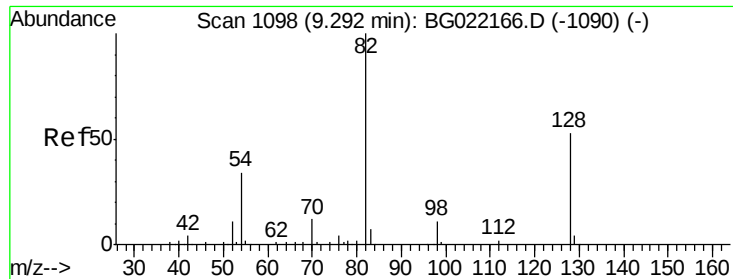
Abundance Ion 105.00 (104.70 to 105.70): E

Ion 71.00 (70.70 to 71.70): BGC

Ion 51.00 (50.70 to 51.70): BGC

Ion 120.00 (119.70 to 120.70): E

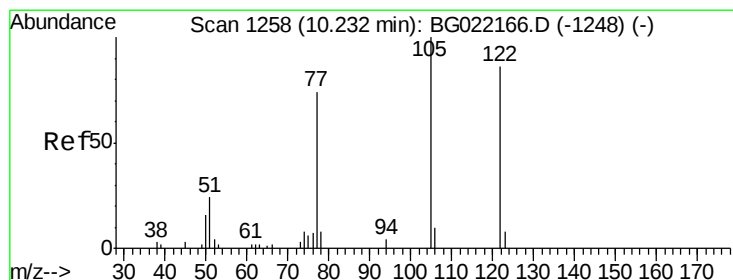
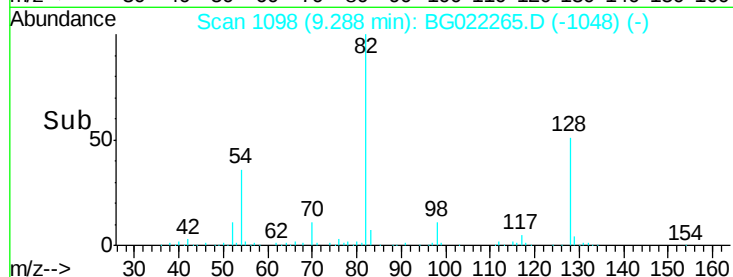
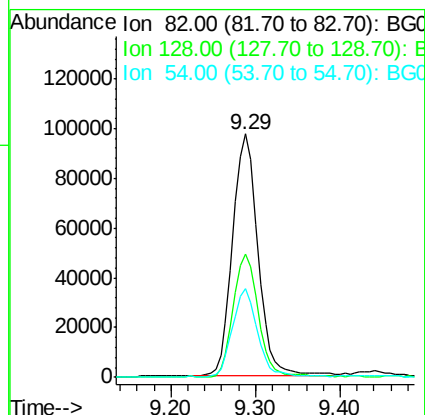
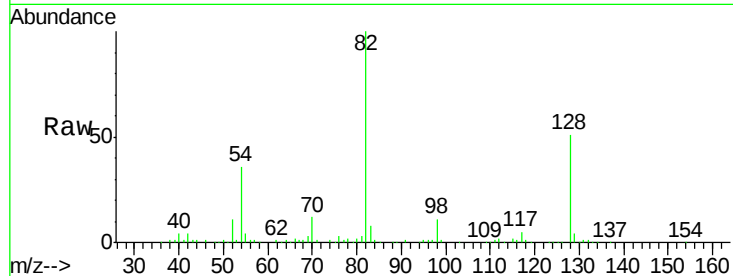




#23
 Nitrobenzene-d5
 Concen: 69.44 ng
 RT: 9.29 min Scan# 1098
 Delta R.T. -0.00 min
 Lab File: BG022265.D
 Acq: 9 Jun 2016 12:34

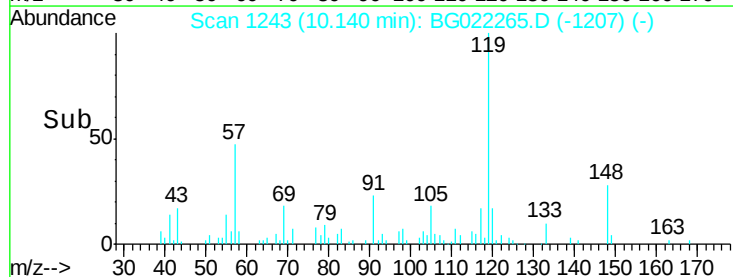
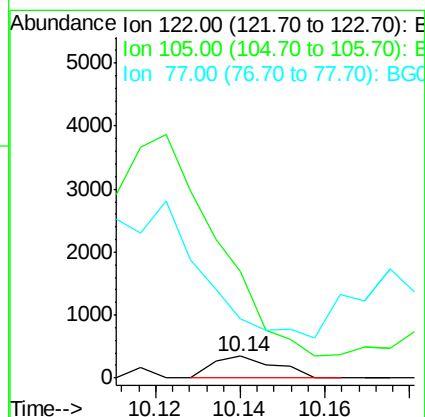
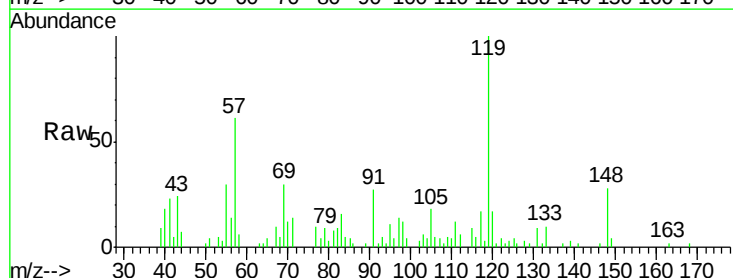
Instrument :
 BNA_G
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 MPB-E-3-SOIL

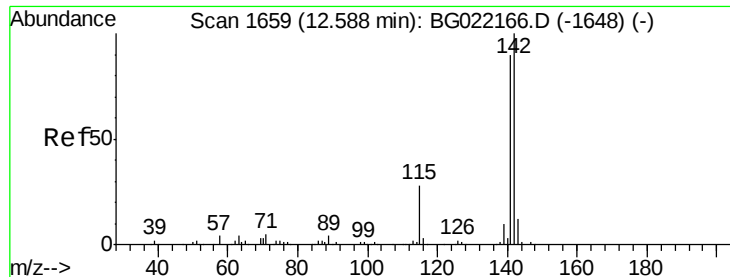
Tot Ion: 82 Resp: 201592
 Ion Ratio Lower Upper
 82 100
 128 50.9 33.4 50.0#
 54 36.4 46.1 69.1#



#32
 Benzoic acid
 Concen: 7.68 ng
 RT: 10.14 min Scan# 1243
 Delta R.T. -0.09 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#

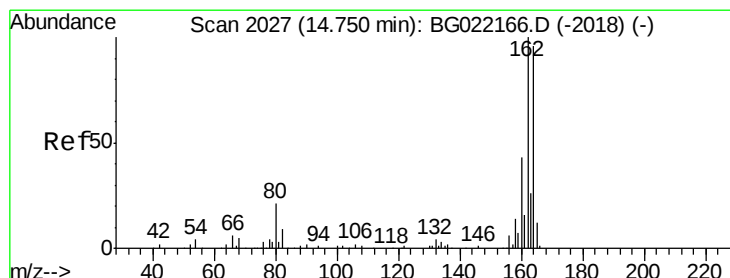
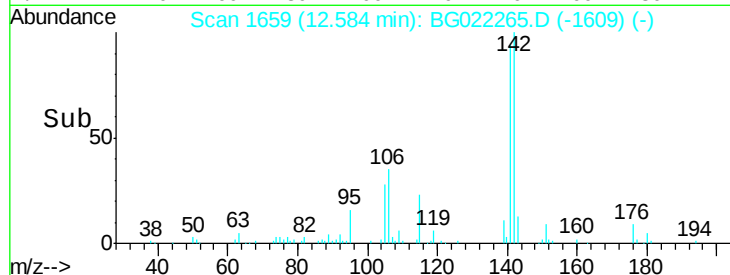
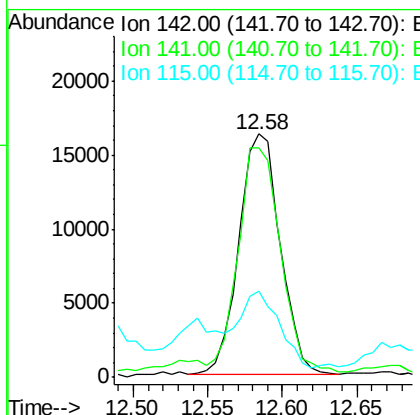
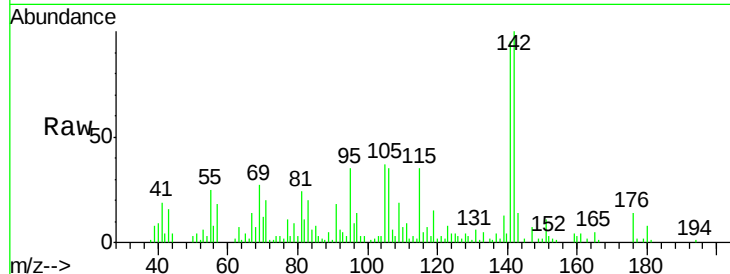




#37
2-Methylnaphthalene
Concen: 4.17 ng
RT: 12.58 min Scan# 1659
Delta R.T. -0.00 min
Lab File: BG022265.D
Acq: 9 Jun 2016 12:34

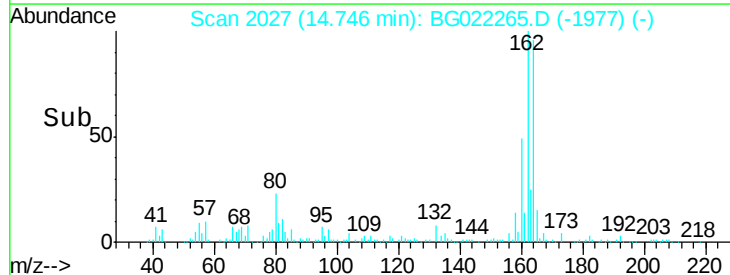
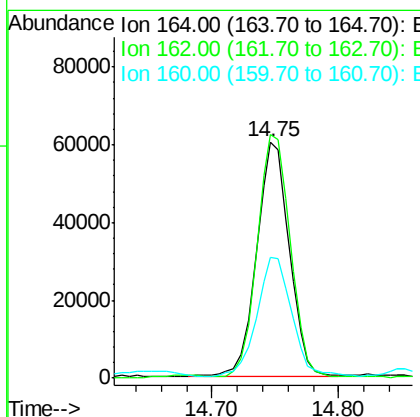
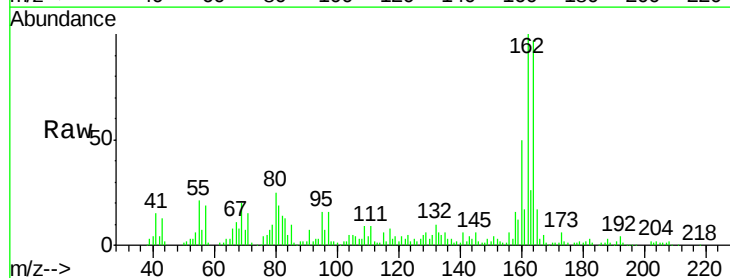
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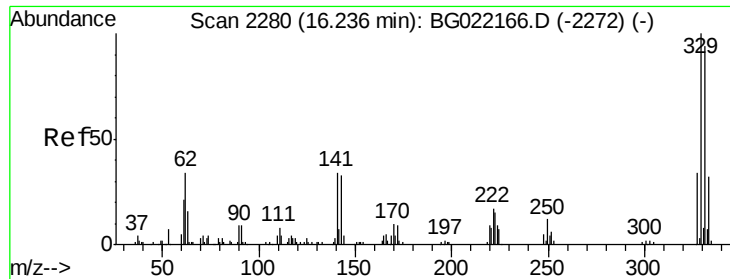
Tot Ion:142 Resp: 31083
Ion Ratio Lower Upper
142 100
141 94.5 71.4 107.0
115 35.3 27.4 41.2



#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 14.75 min Scan# 2027
Delta R.T. -0.00 min
Lab File: BG022265.D
Acq: 9 Jun 2016 12:34

Tgt Ion:164 Resp: 108103
Ion Ratio Lower Upper
164 100
162 103.1 78.0 117.0
160 51.1 32.9 49.3#

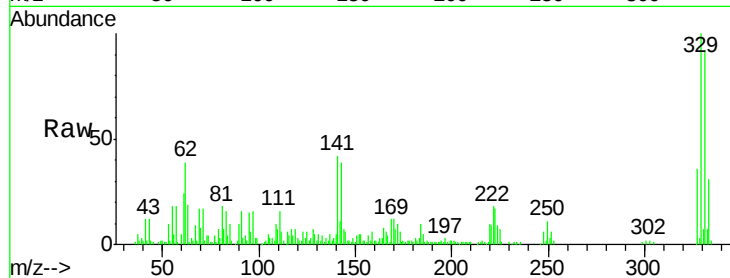




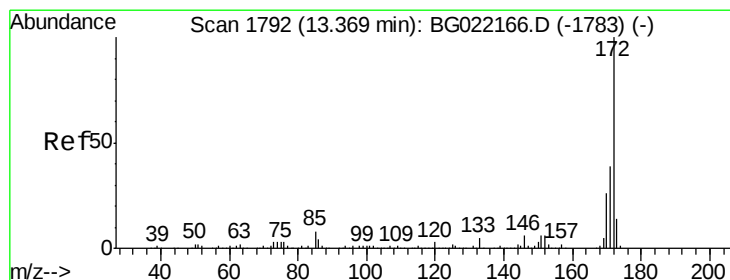
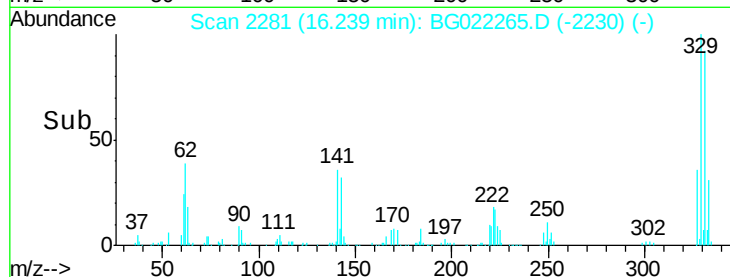
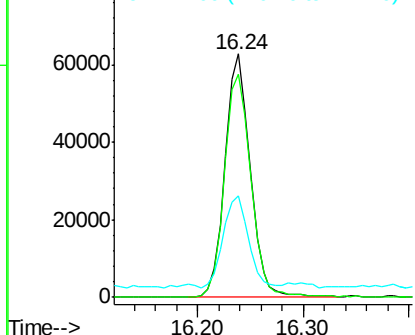
#41
 2,4,6-Tribromophenol
 Concen: 85.15 ng
 RT: 16.24 min Scan# 2281
 Delta R.T. 0.00 min
 Lab File: BG022265.D
 Acq: 9 Jun 2016 12:34

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

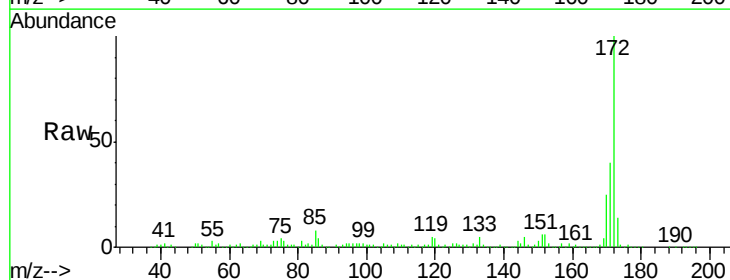


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

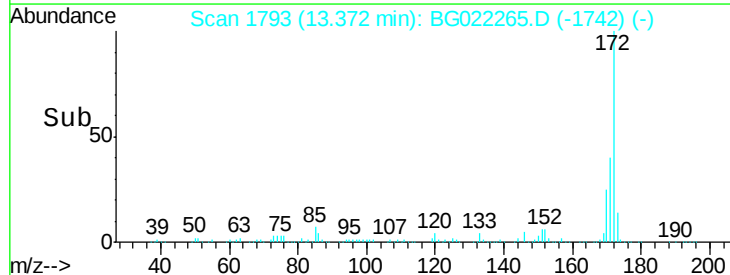
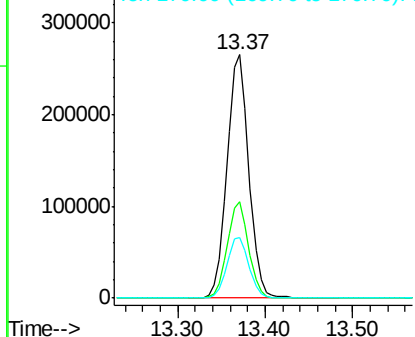


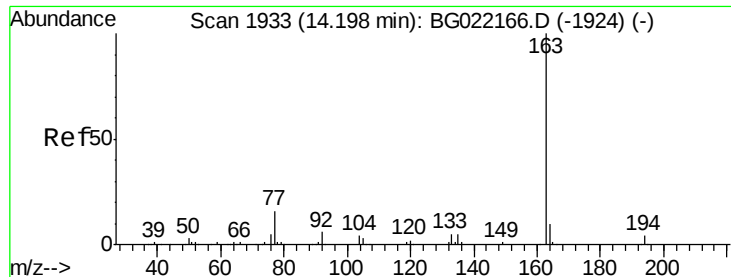
#44
 2-Fluorobiphenyl
 Concen: 63.63 ng
 RT: 13.37 min Scan# 1793
 Delta R.T. 0.00 min
 Lab File: BG022265.D
 Acq: 9 Jun 2016 12:34

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



Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E





#49

Dimethylphthalate

Concen: 14.55 ng

RT: 14.19 min Scan# 1932

Delta R.T. -0.01 min

Lab File: BG022265.D

Acq: 9 Jun 2016 12:34

Instrument :

BNA_G

ClientSampleId :

MPB-E-3-SOIL

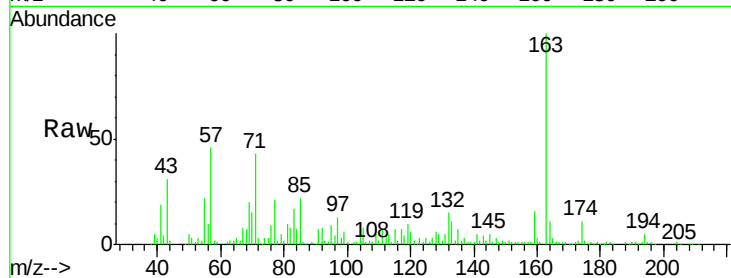
Tot Ion:163 Resp: 130422

Ion Ratio Lower Upper

163 100

194 5.1 3.0 4.6#

164 10.8 8.1 12.1

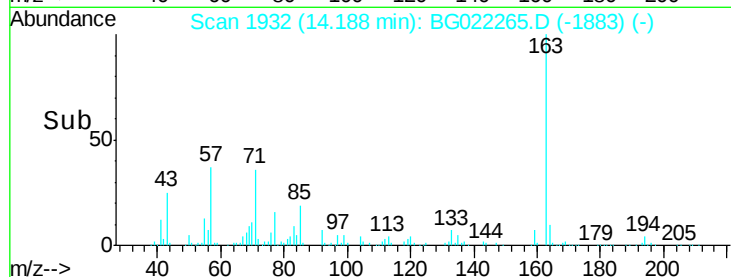


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

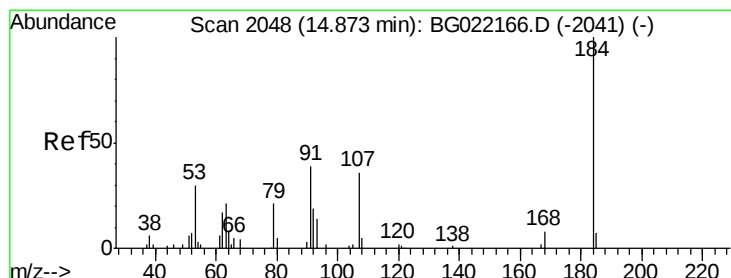
Ion 164.00 (163.70 to 164.70): E

Time-->



Abundance

Time-->



#53

2,4-Dinitrophenol

Concen: 10.99 ng

RT: 14.76 min Scan# 2030

Delta R.T. -0.11 min

Lab File: BG022265.D

Acq: 9 Jun 2016 12:34

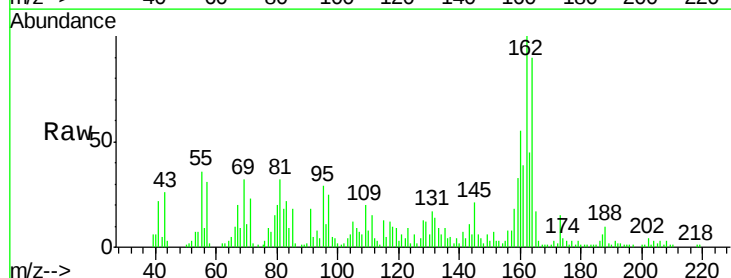
Tgt Ion:184 Resp: 65

Ion Ratio Lower Upper

184 100

63 296.7 57.3 85.9#

154 283.7 55.2 82.8#

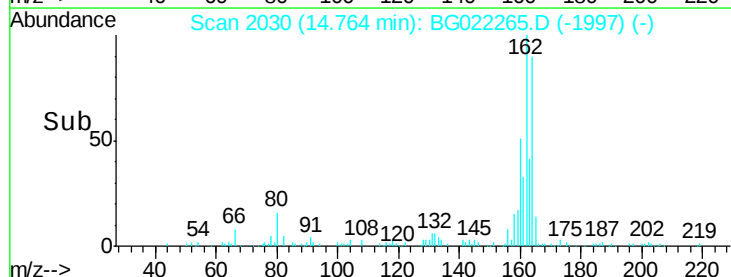


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 63.00 (62.70 to 63.70): BG

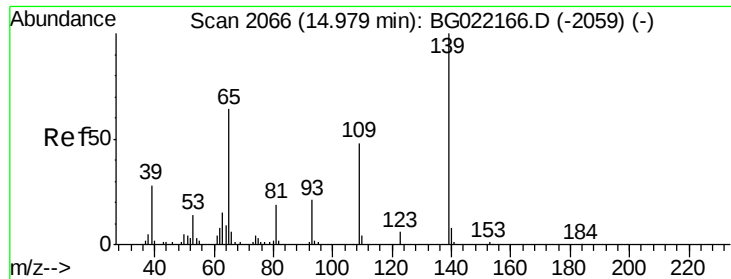
Ion 154.00 (153.70 to 154.70): E

Time-->



Abundance

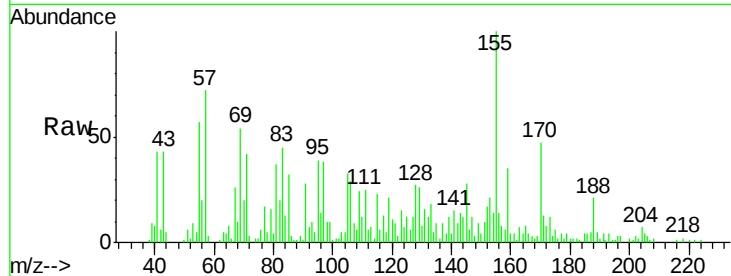
Time-->



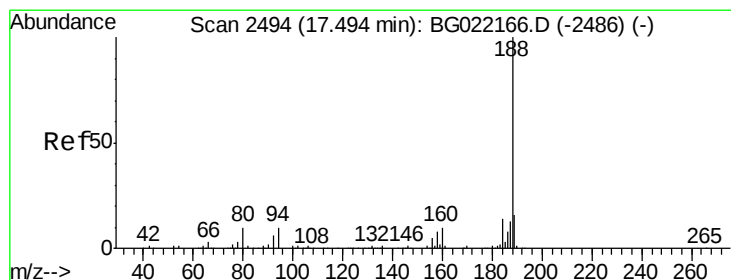
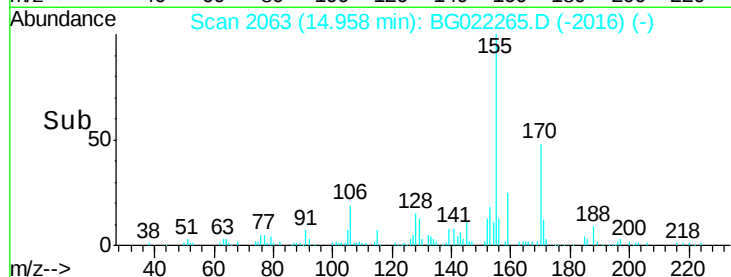
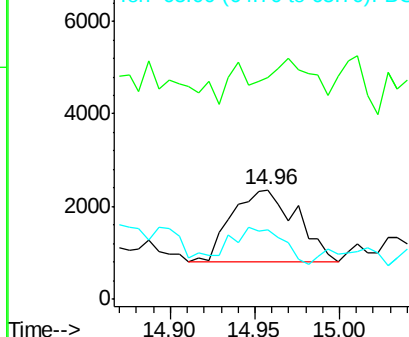
#55
4-Nitrophenol
Concen: 2.80 ng
RT: 14.96 min Scan# 2063
Delta R.T. -0.02 min
Lab File: BG022265.D
Acq: 9 Jun 2016 12:34

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#

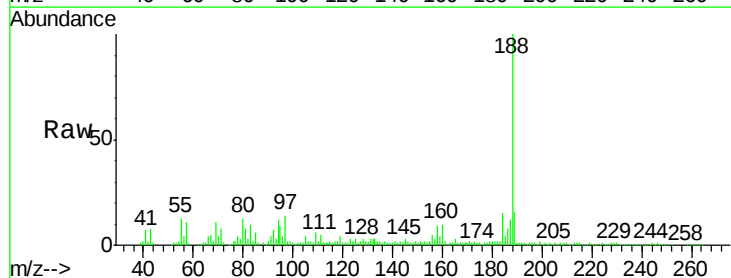


Abundance Ion 139.00 (138.70 to 139.70): E
Ion 109.00 (108.70 to 109.70): E
Ion 65.00 (64.70 to 65.70): BGC

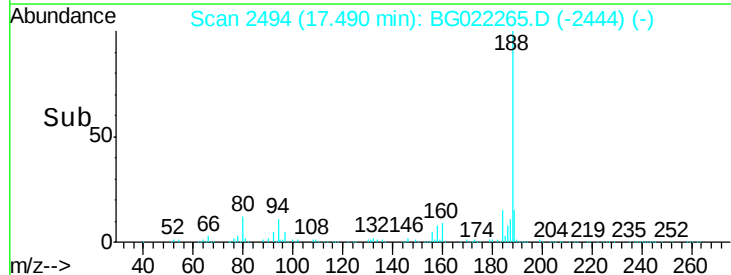
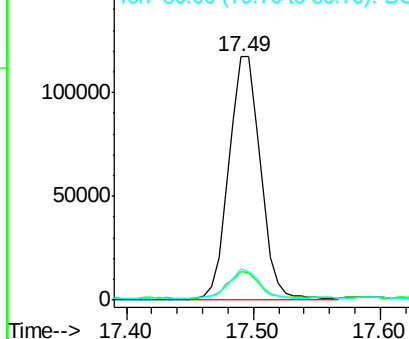


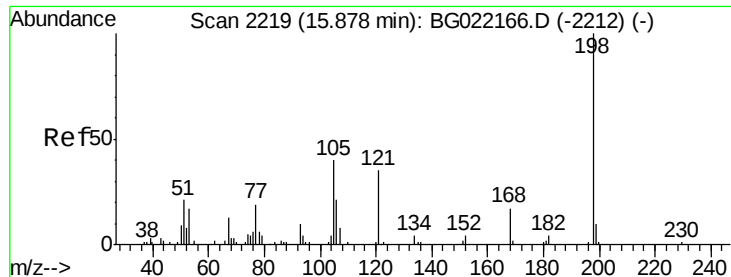
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 17.49 min Scan# 2494
Delta R.T. -0.00 min
Lab File: BG022265.D
Acq: 9 Jun 2016 12:34

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#



Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BGC
Ion 80.00 (79.70 to 80.70): BGC

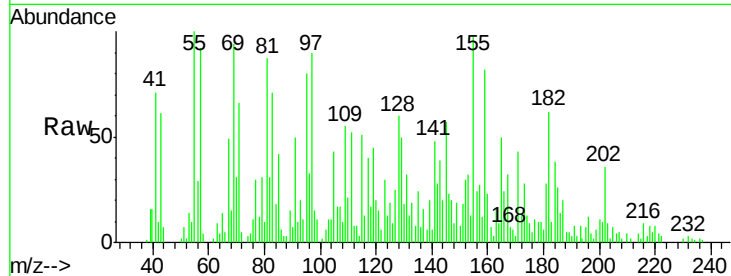




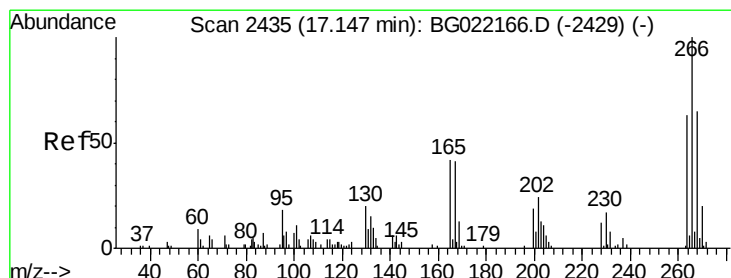
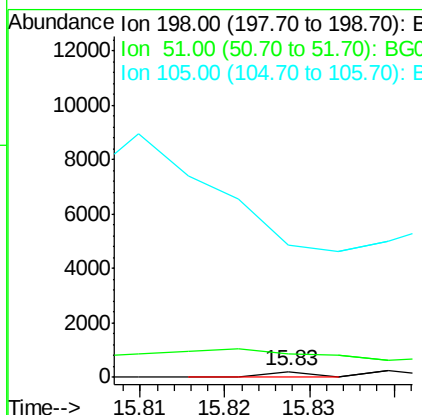
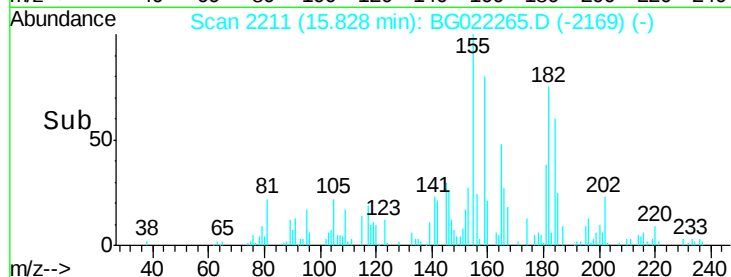
#64
 4,6-Dinitro-2-methylphenol
 Concen: 5.54 ng
 RT: 15.83 min Scan# 2211
 Delta R.T. -0.05 min
 Lab File: BG022265.D
 Acq: 9 Jun 2016 12:34

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#

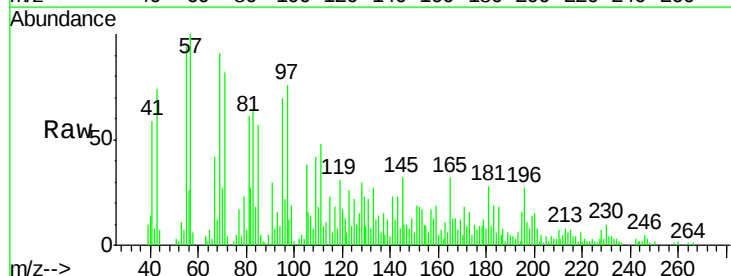


Abundance Ion 198.00 (197.70 to 198.70): E
 Ion 51.00 (50.70 to 51.70): BG
 Ion 105.00 (104.70 to 105.70): E

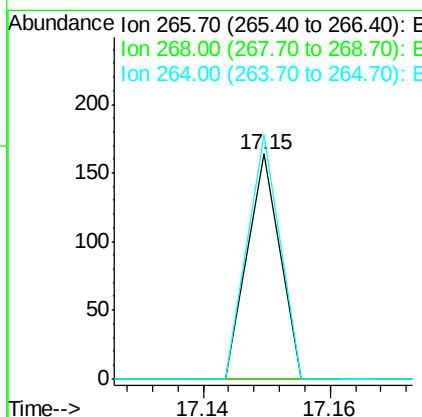
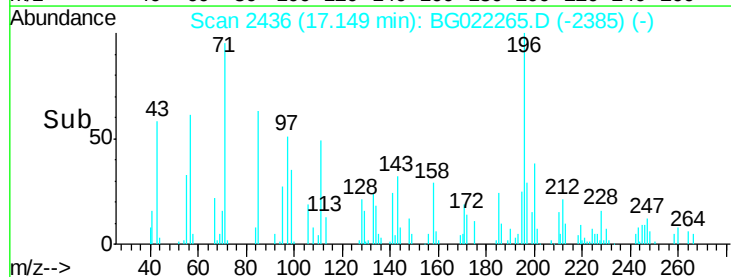


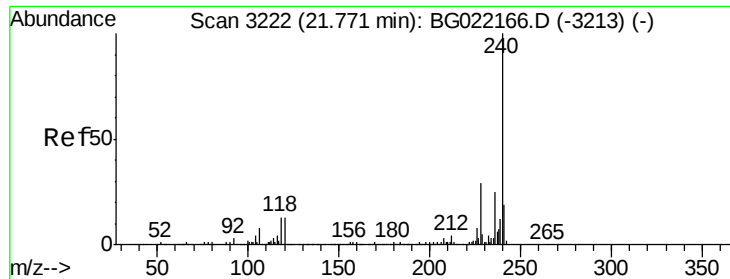
#69
 Pentachlorophenol
 Concen: 6.83 ng
 RT: 17.15 min Scan# 2436
 Delta R.T. 0.00 min
 Lab File: BG022265.D
 Acq: 9 Jun 2016 12:34

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#



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: 21.77 min Scan# 3222

Delta R.T. -0.00 min

Lab File: BG022265.D

Acq: 9 Jun 2016 12:34

Instrument :

BNA_G

ClientSampleId :

MPB-E-3-SOIL

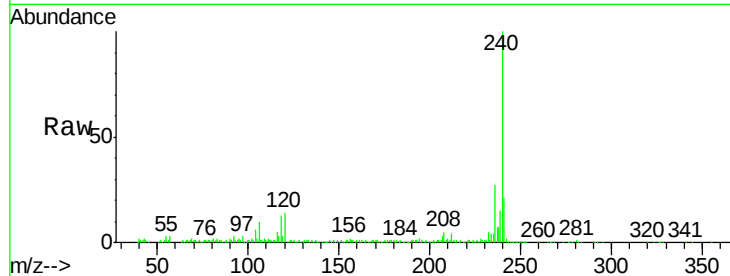
Tot Ion:240 Resp: 188282

Ion Ratio Lower Upper

240 100

120 14.3 8.4 12.6#

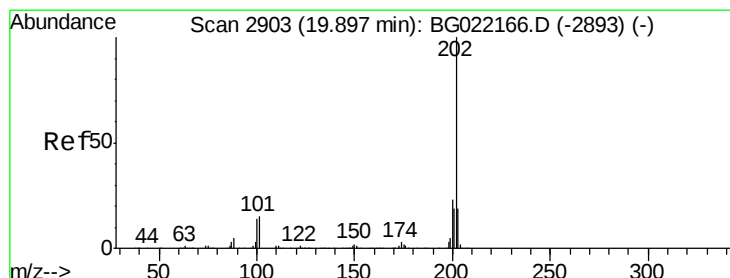
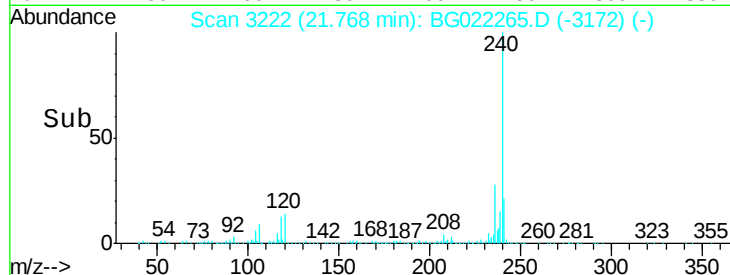
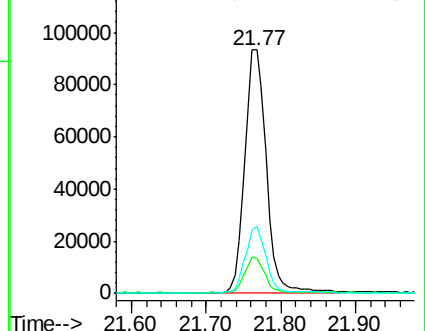
236 27.5 19.6 29.4



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



#77

Pyrene

Concen: 2.79 ng

RT: 19.90 min Scan# 2904

Delta R.T. 0.00 min

Lab File: BG022265.D

Acq: 9 Jun 2016 12:34

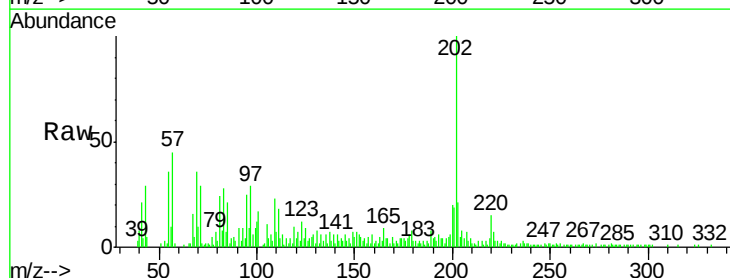
Tgt Ion:202 Resp: 32614

Ion Ratio Lower Upper

202 100

200 19.8 18.2 27.2

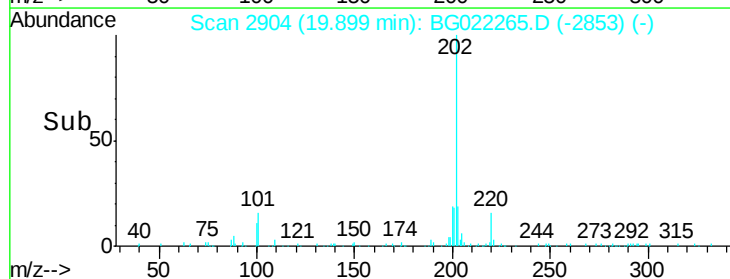
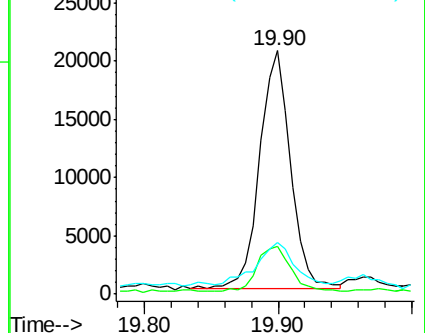
203 21.2 15.0 22.4

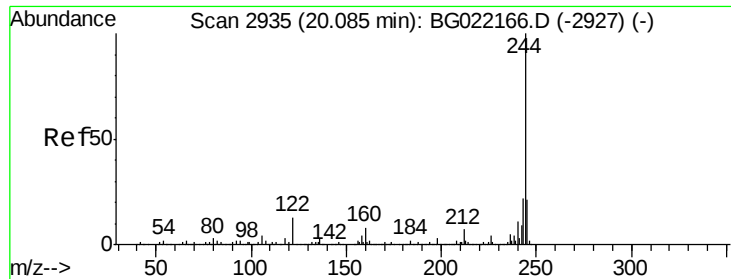


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

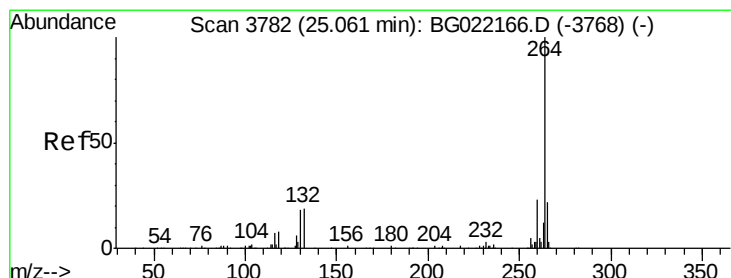
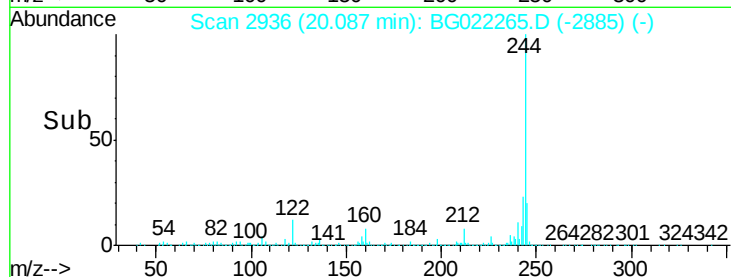
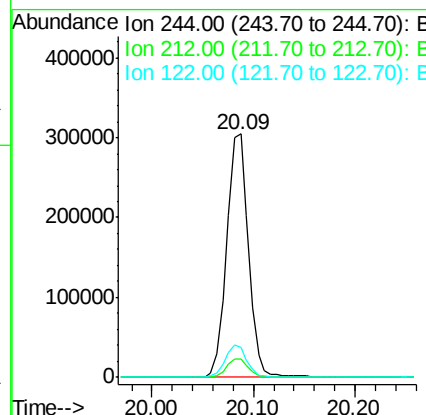
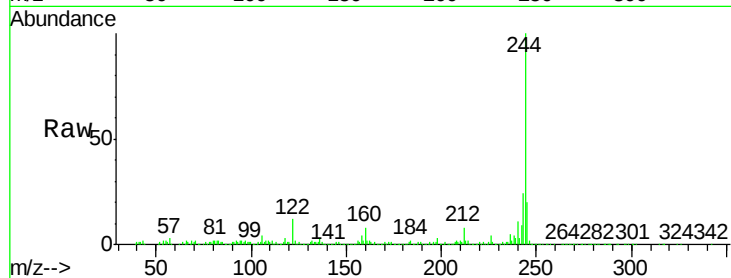




#78
 Terphenyl-d14
 Concen: 57.28 ng
 RT: 20.09 min Scan# 2936
 Delta R.T. 0.00 min
 Lab File: BG022265.D
 Acq: 9 Jun 2016 12:34

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: 25.06 min Scan# 3783
 Delta R.T. 0.00 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

