

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG072319\
 Data File : BG041755.D
 Acq On : 23 Jul 2019 13:43
 Operator : HP/JU
 Sample : K3936-01
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SOIL-COMP

Quant Time: Jul 24 02:04:52 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG071519.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jul 15 16:16:21 2019
 Response via : Initial Calibration

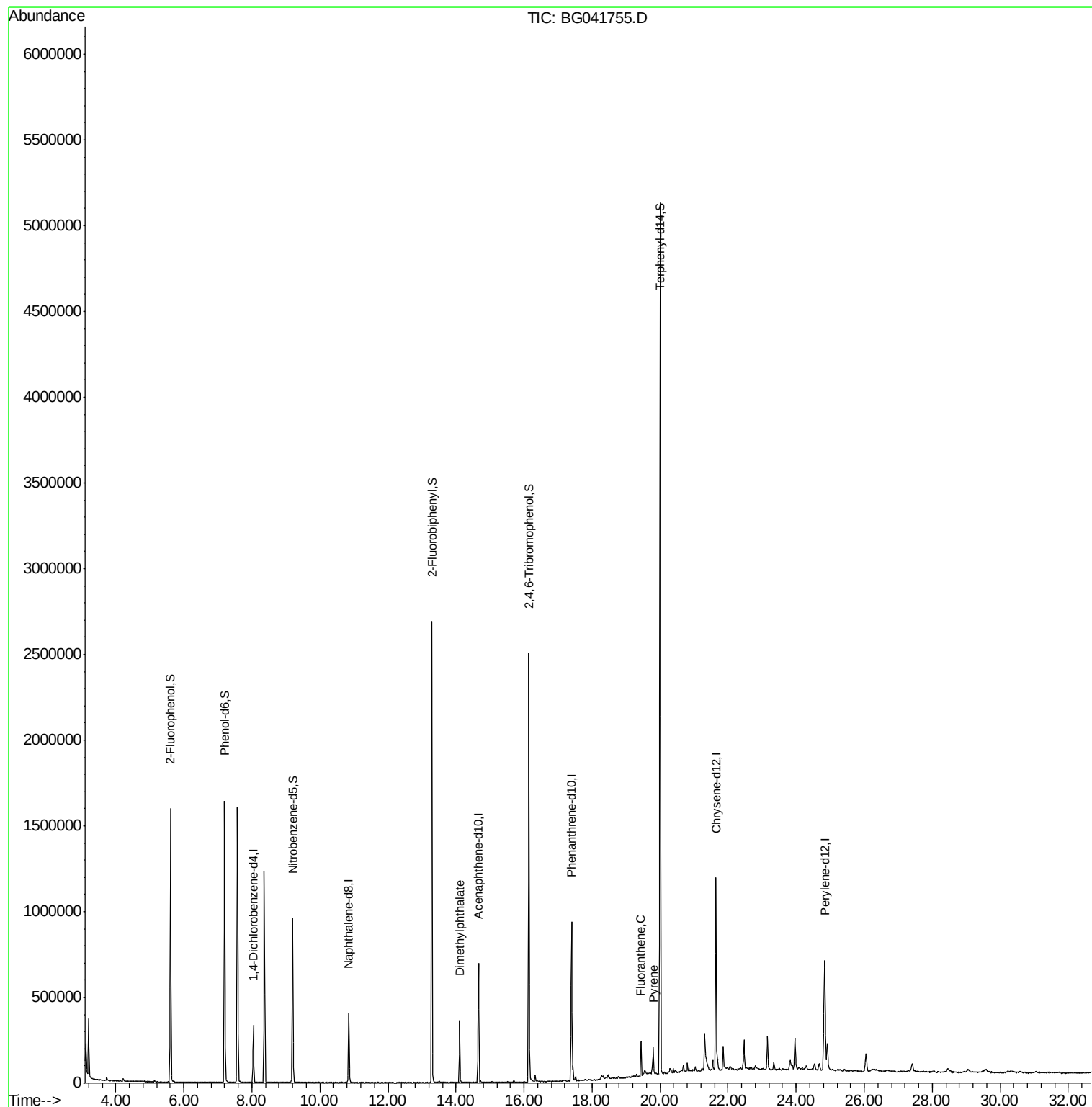
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.04	152	98084	20.00	ng	-0.01
21) Naphthalene-d8	10.85	136	371558	20.00	ng	-0.01
39) Acenaphthene-d10	14.66	164	258431	20.00	ng	-0.01
64) Phenanthrene-d10	17.40	188	590174	20.00	ng	-0.01
76) Chrysene-d12	21.64	240	644234	20.00	ng	-0.02
87) Perylene-d12	24.83	264	754394	20.00	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.61	112	695239	115.87	ng	0.00
7) Phenol-d6	7.20	99	942888	116.84	ng	0.00
23) Nitrobenzene-d5	9.20	82	569033	93.14	ng	-0.01
42) 2,4,6-Tribromophenol	16.14	330	487743	167.47	ng	-0.01
45) 2-Fluorobiphenyl	13.29	172	1401393	83.97	ng	-0.01
79) Terphenyl-d14	20.00	244	2247137	81.51	ng	-0.01
Target Compounds						
50) Dimethylphthalate	14.11	163	248082	12.223	ng	Qvalue 97
75) Fluoranthene	19.44	202	132731	3.637	ng	89
78) Pyrene	19.80	202	107290	2.462	ng	# 86

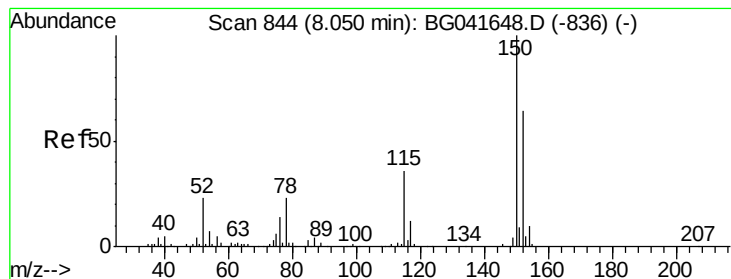
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 8.04 min Scan# 843

Delta R.T. -0.01 min

Lab File: BG041755.D

Acq: 23 Jul 2019 13:43

Instrument :

BNA_G

ClientSampleId :

SOIL-COMP

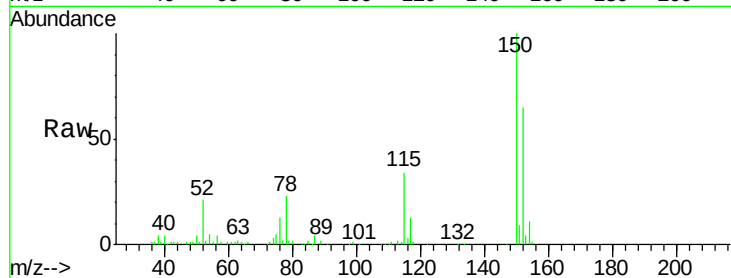
Tot Ion:152 Resp: 98084

Ion Ratio Lower Upper

152 100

150 154.3 126.9 190.3

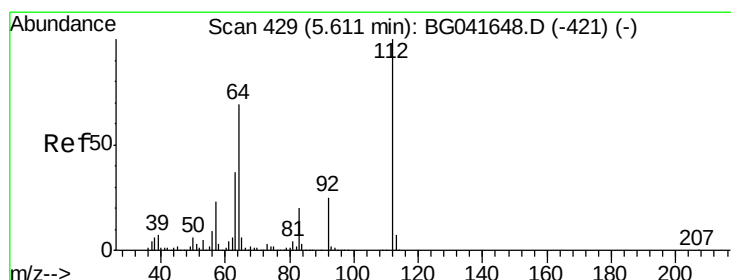
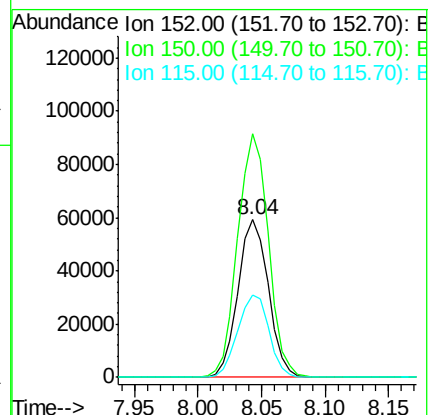
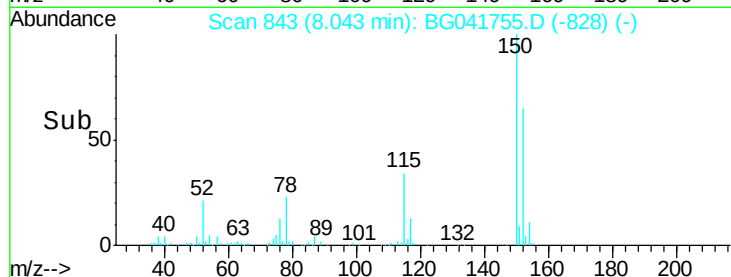
115 52.2 45.0 67.6



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: 115.874 ng

RT: 5.61 min Scan# 429

Delta R.T. 0.00 min

Lab File: BG041755.D

Acq: 23 Jul 2019 13:43

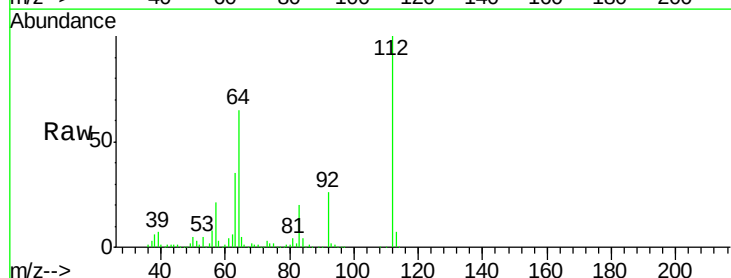
Tgt Ion:112 Resp: 695239

Ion Ratio Lower Upper

112 100

64 65.3 55.4 83.2

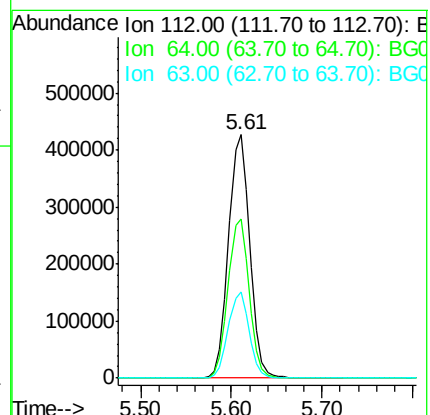
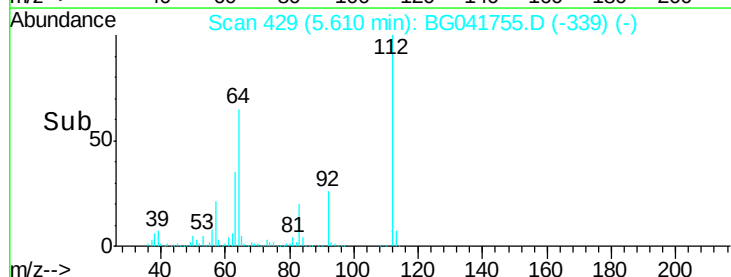
63 35.5 29.1 43.7

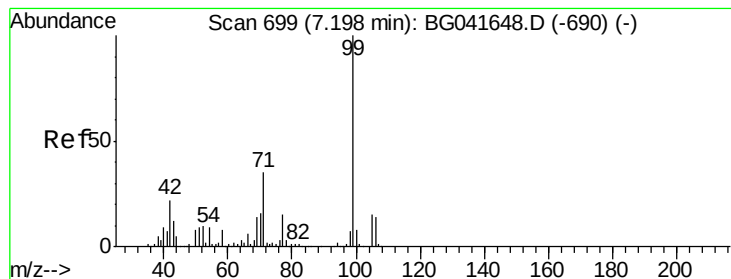


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BGC

Ion 63.00 (62.70 to 63.70): BGC





#7

Phenol-d6

Concen: 116.836 ng

RT: 7.20 min Scan# 699

Delta R.T. -0.01 min

Lab File: BG041755.D

Acq: 23 Jul 2019 13:43

Instrument :

BNA_G

ClientSampleId :

SOIL-COMP

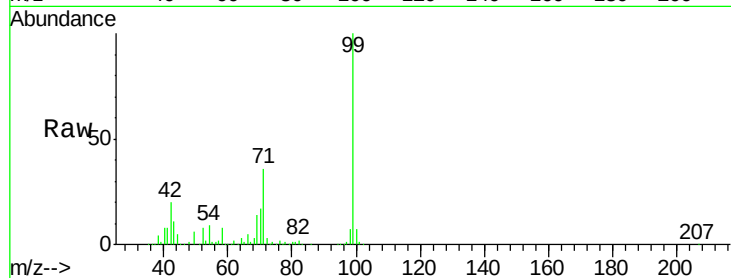
Tot Ion: 99 Resp: 942888

Ion Ratio Lower Upper

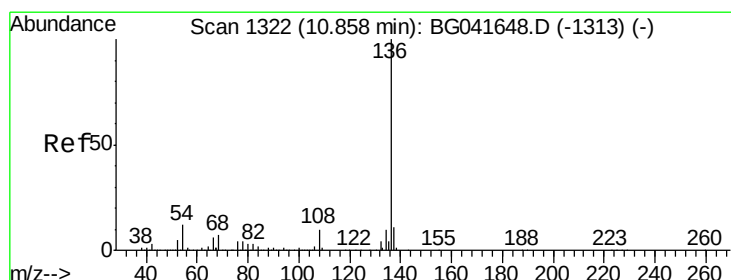
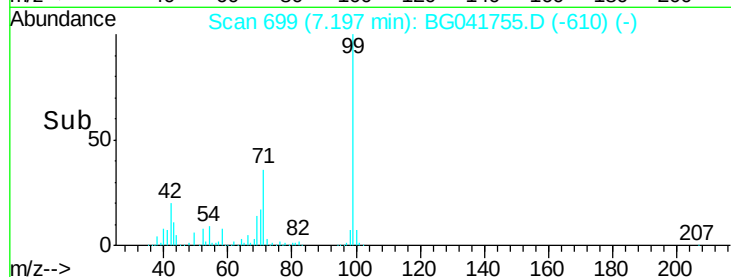
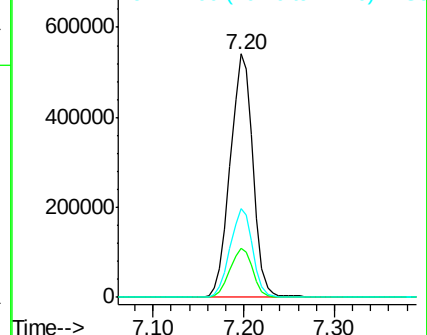
99 100

42 20.3 17.6 26.4

71 36.2 27.8 41.6



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



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.85 min Scan# 1320

Delta R.T. -0.01 min

Lab File: BG041755.D

Acq: 23 Jul 2019 13:43

Tgt Ion: 136 Resp: 371558

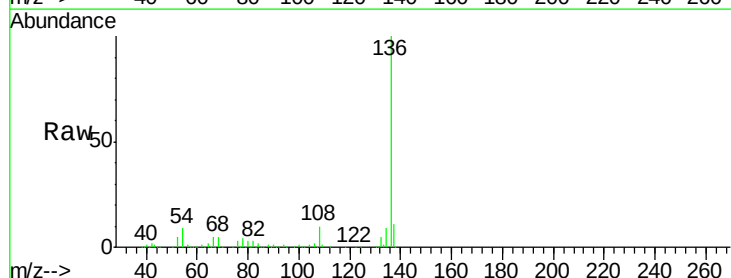
Ion Ratio Lower Upper

136 100

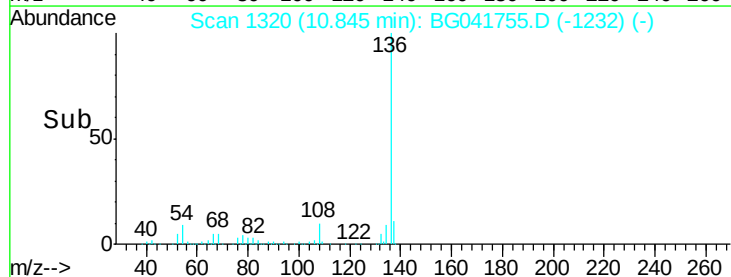
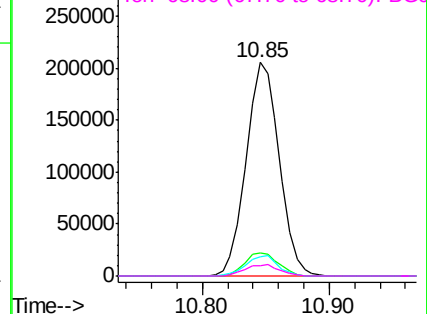
137 10.7 9.2 13.8

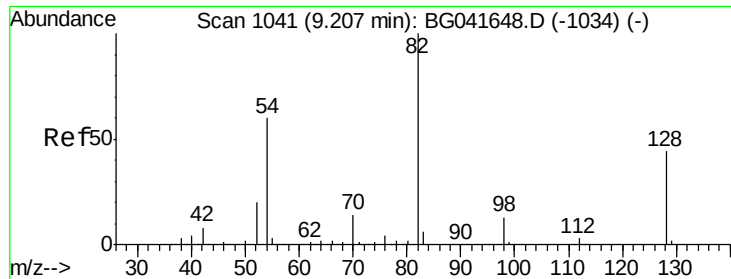
54 9.2 8.7 13.1

68 5.0 5.5 8.3#



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

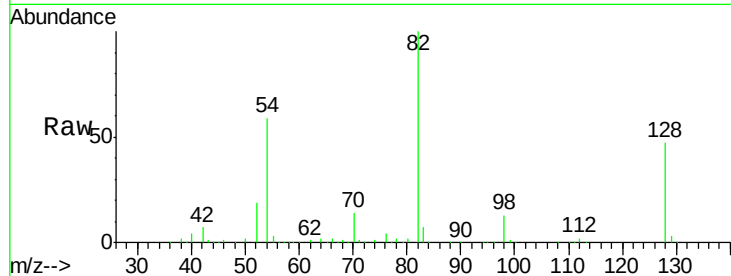




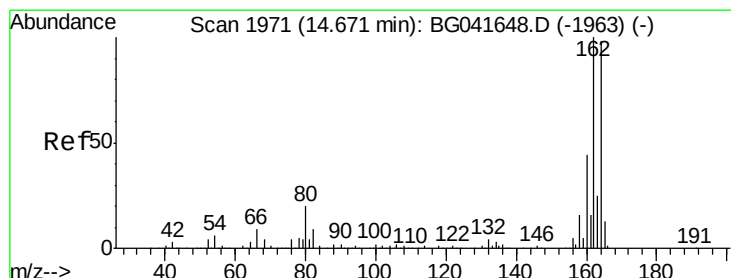
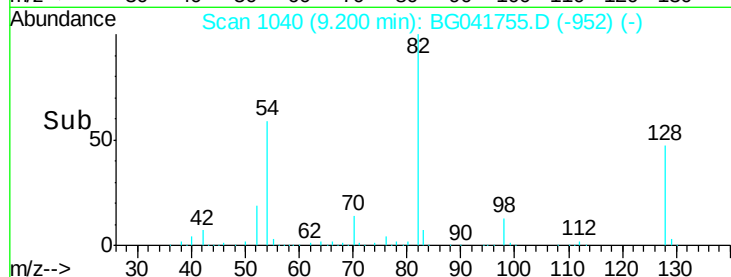
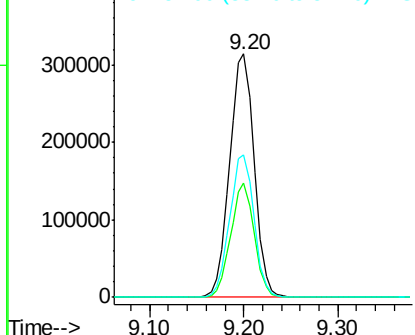
#23
 Nitrobenzene-d5
 Concen: 93.137 ng
 RT: 9.20 min Scan# 1040
 Delta R.T. -0.01 min
 Lab File: BG041755.D
 Acq: 23 Jul 2019 13:43

Instrument :
 BNA_G
 ClientSampleId :
 SOIL-COMP

Tot Ion: 82 Resp: 569033
 Ion Ratio Lower Upper
 82 100
 128 47.0 35.1 52.7
 54 58.6 48.7 73.1

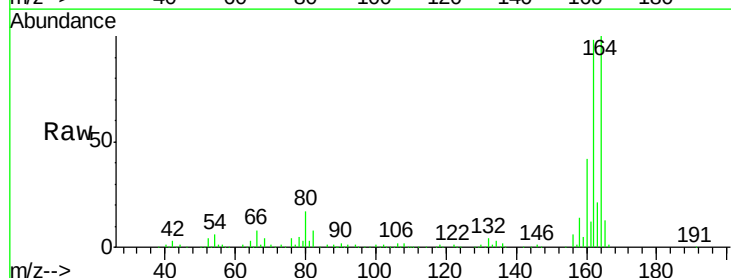


Abundance Ion 82.00 (81.70 to 82.70): BGC
 Ion 128.00 (127.70 to 128.70): BGC
 Ion 54.00 (53.70 to 54.70): BGC

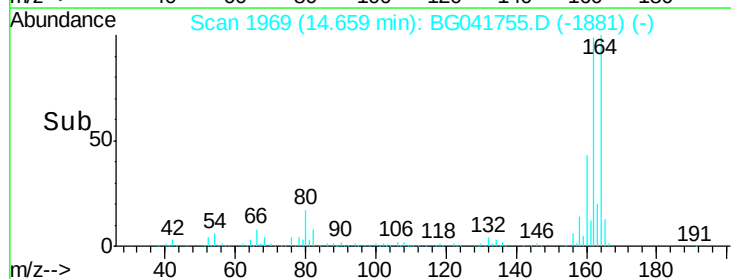
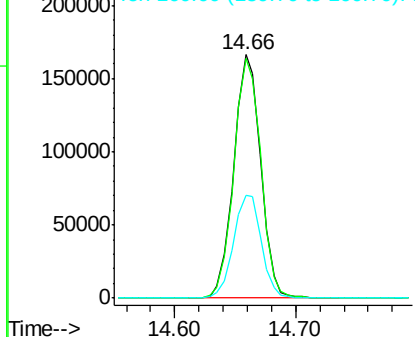


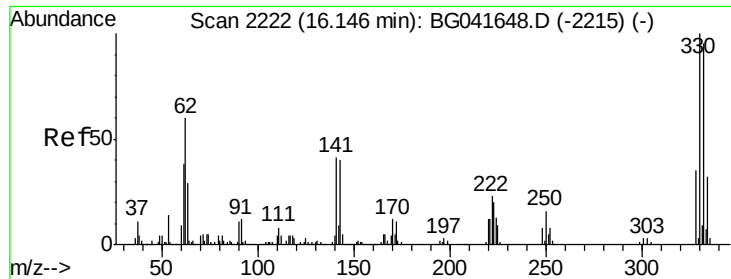
#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 14.66 min Scan# 1969
 Delta R.T. -0.01 min
 Lab File: BG041755.D
 Acq: 23 Jul 2019 13:43

Tgt Ion: 164 Resp: 258431
 Ion Ratio Lower Upper
 164 100
 162 98.4 79.6 119.4
 160 42.4 35.4 53.0



Abundance Ion 164.00 (163.70 to 164.70): BGC
 Ion 162.00 (161.70 to 162.70): BGC
 Ion 160.00 (159.70 to 160.70): BGC

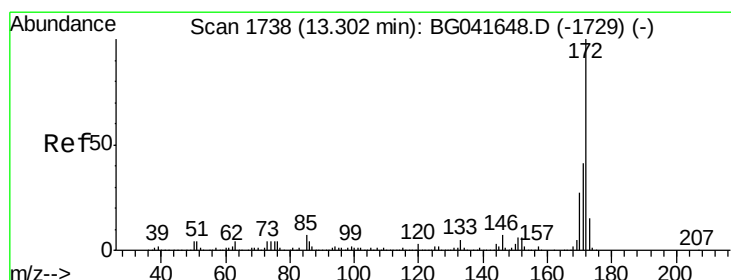
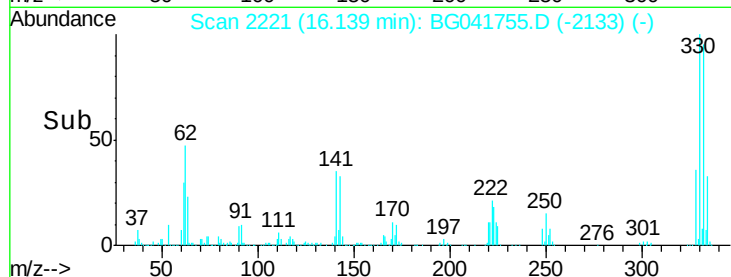
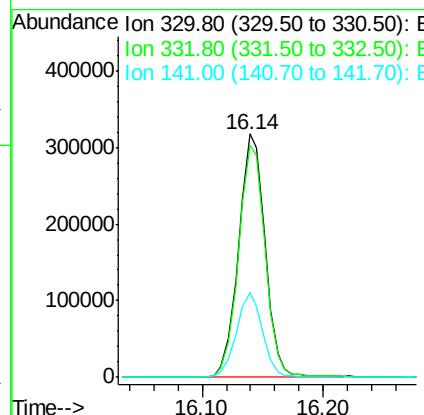
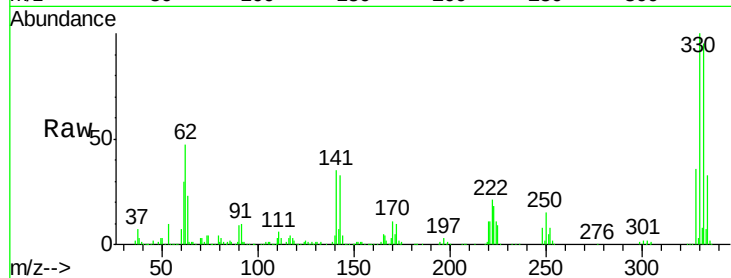




#42
 2,4,6-Tribromophenol
 Concen: 167.467 ng
 RT: 16.14 min Scan# 2221
 Delta R.T. -0.01 min
 Lab File: BG041755.D
 Acq: 23 Jul 2019 13:43

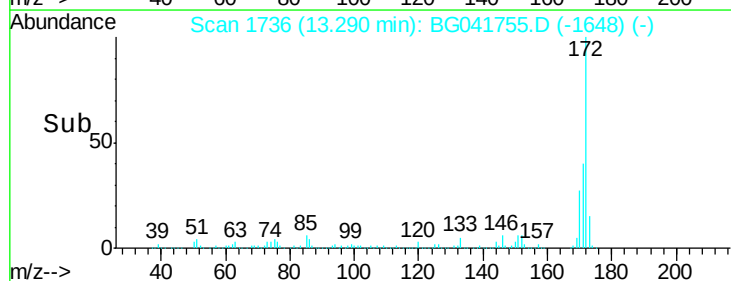
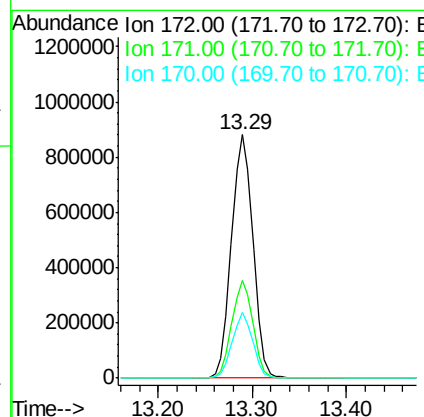
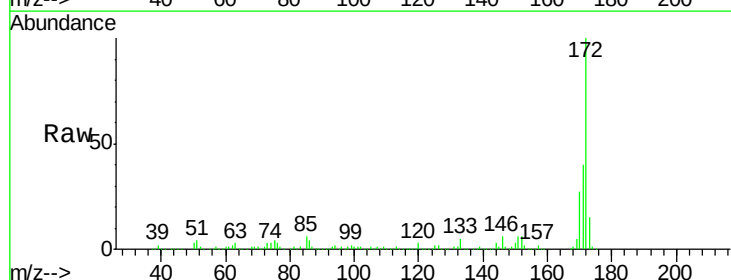
Instrument :
 BNA_G
 ClientSampleId :
 SOIL-COMP

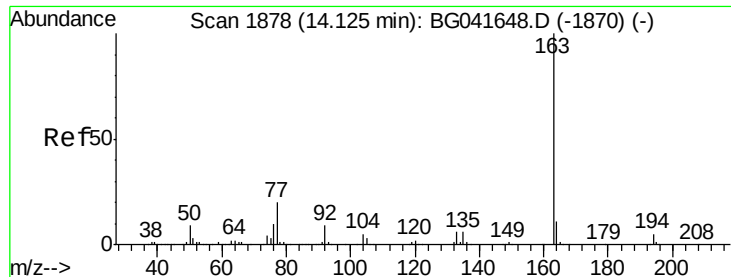
Tot Ion:330 Resp: 487743
 Ion Ratio Lower Upper
 330 100
 332 96.3 77.4 116.0
 141 34.5 31.9 47.9



#45
 2-Fluorobiphenyl
 Concen: 83.970 ng
 RT: 13.29 min Scan# 1736
 Delta R.T. -0.01 min
 Lab File: BG041755.D
 Acq: 23 Jul 2019 13:43

Tgt Ion:172 Resp: 1401393
 Ion Ratio Lower Upper
 172 100
 171 40.1 35.0 52.4
 170 27.1 23.5 35.3





#50

Dimethylphthalate

Concen: 12.223 ng

RT: 14.11 min Scan# 1875

Delta R.T. -0.02 min

Lab File: BG041755.D

Acq: 23 Jul 2019 13:43

Instrument :

BNA_G

ClientSampleId :

SOIL-COMP

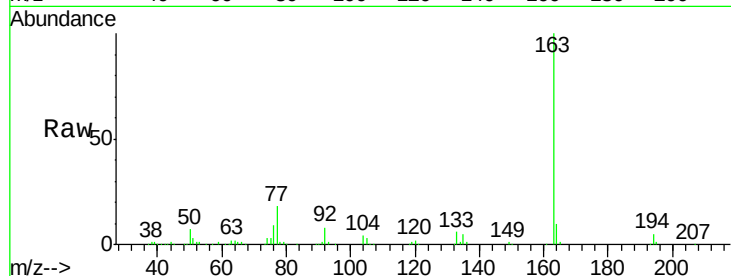
Tot Ion:163 Resp: 248082

Ion Ratio Lower Upper

163 100

194 5.3 4.2 6.2

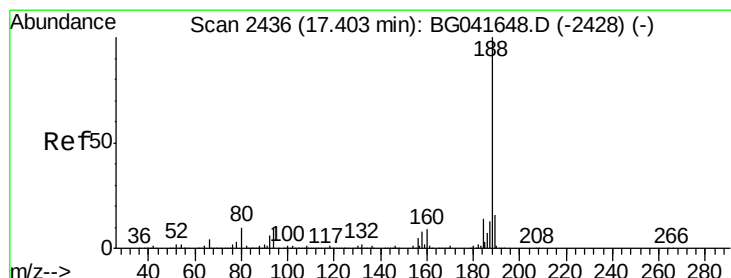
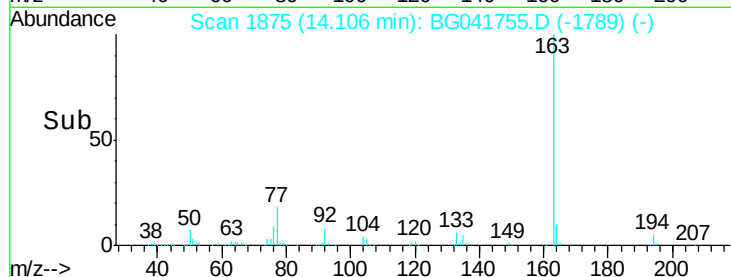
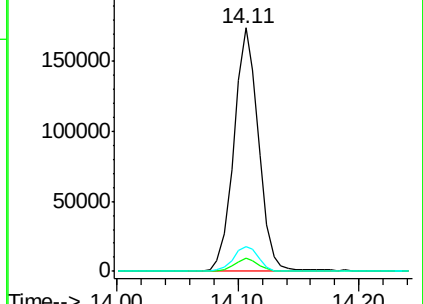
164 10.0 9.4 14.2



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



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.40 min Scan# 2435

Delta R.T. -0.01 min

Lab File: BG041755.D

Acq: 23 Jul 2019 13:43

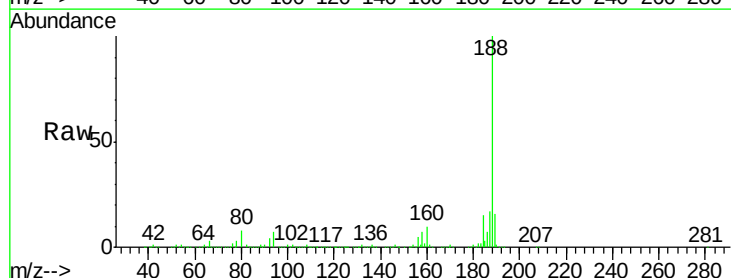
Tgt Ion:188 Resp: 590174

Ion Ratio Lower Upper

188 100

94 7.1 6.9 10.3

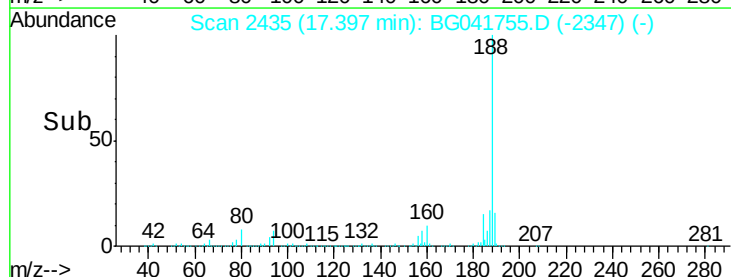
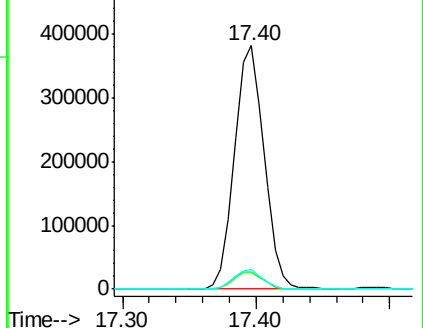
80 8.0 8.0 12.0

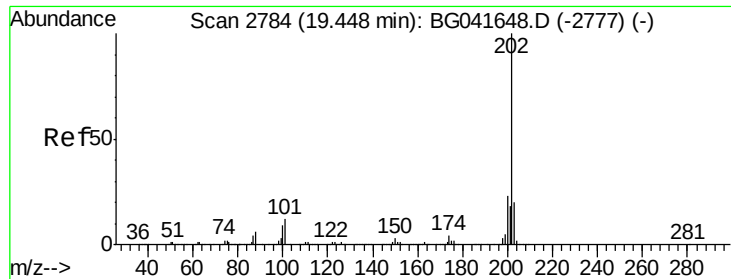


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC





#75

Fluoranthene

Concen: 3.637 ng

RT: 19.44 min Scan# 2782

Delta R.T. -0.02 min

Lab File: BG041755.D

Acq: 23 Jul 2019 13:43

Instrument :

BNA_G

ClientSampleId :

SOIL-COMP

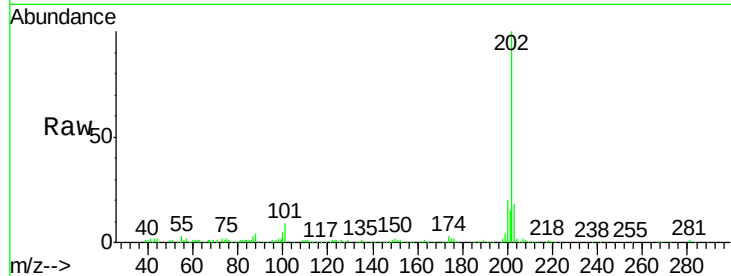
Tot Ion:202 Resp: 132731

Ion Ratio Lower Upper

202 100

101 9.1 0.0 32.8

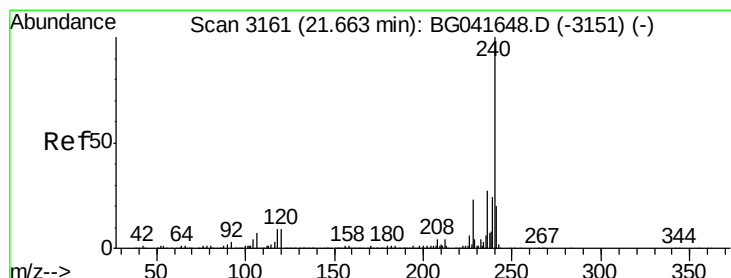
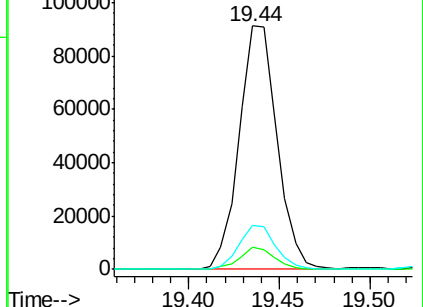
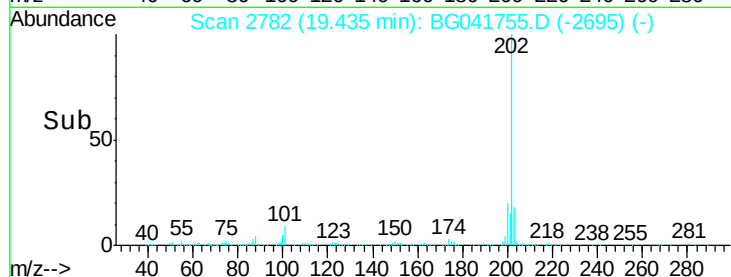
203 18.1 3.7 43.7



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



#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.64 min Scan# 3158

Delta R.T. -0.02 min

Lab File: BG041755.D

Acq: 23 Jul 2019 13:43

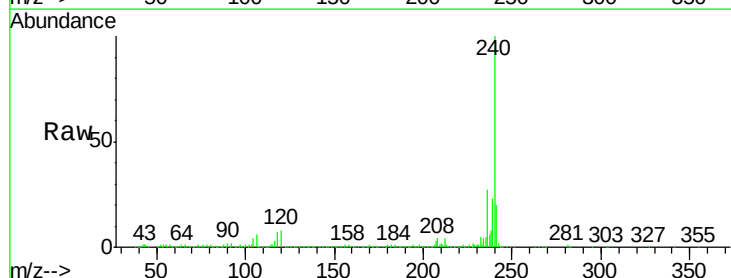
Tgt Ion:240 Resp: 644234

Ion Ratio Lower Upper

240 100

120 7.6 8.0 12.0#

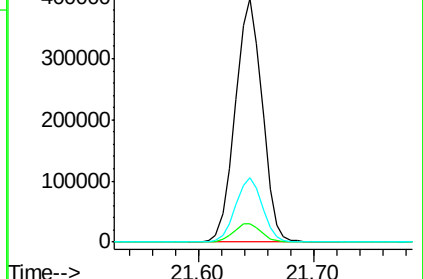
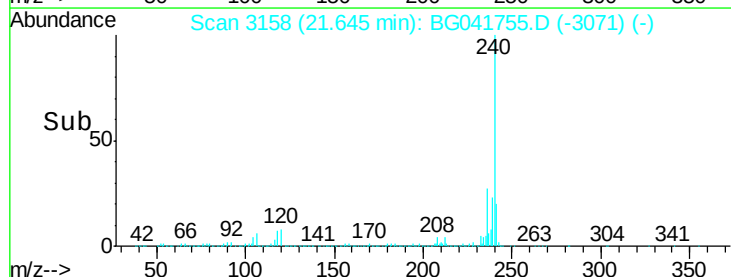
236 26.6 22.6 33.8

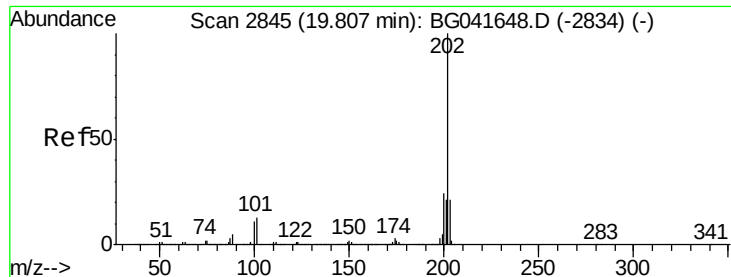


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

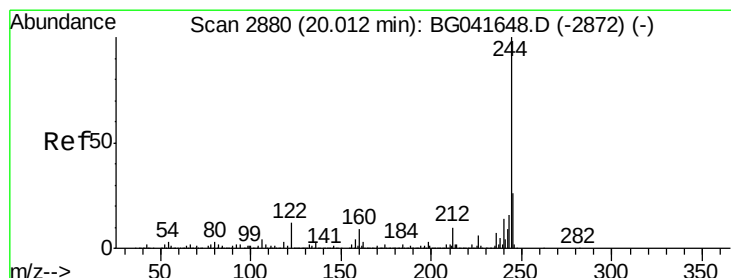
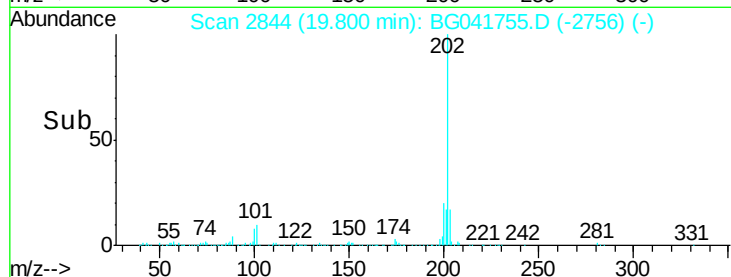
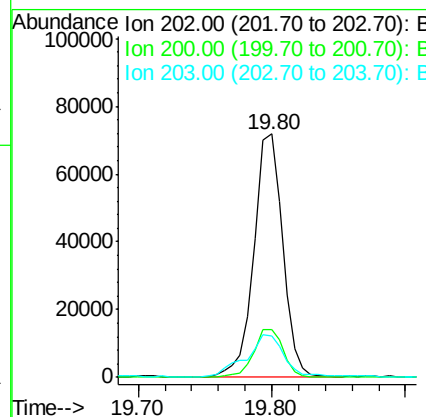
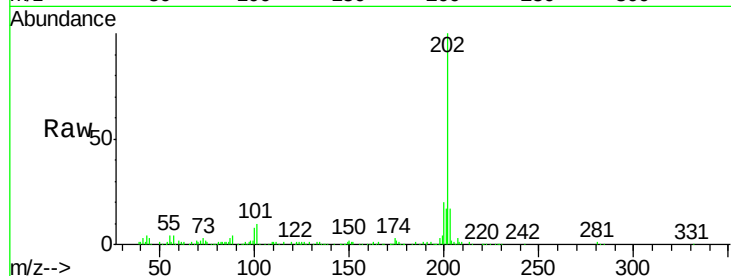




#78
Pvrene
Concen: 2.462 ng
RT: 19.80 min Scan# 2844
Delta R.T. -0.01 min
Lab File: BG041755.D
Acq: 23 Jul 2019 13:43

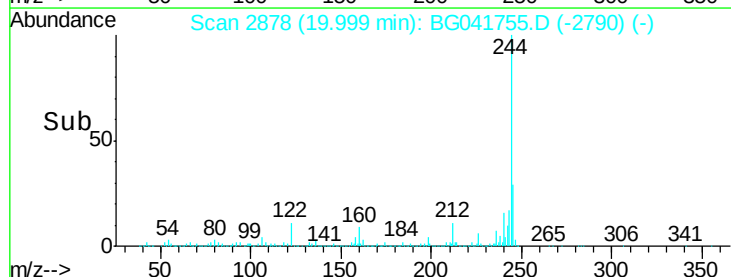
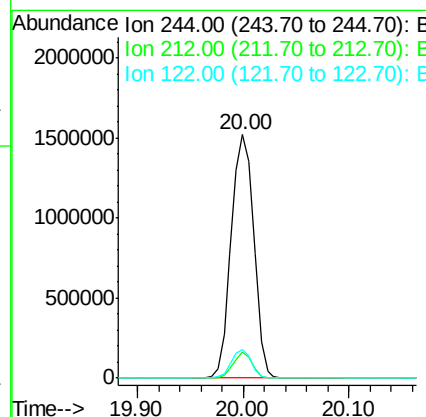
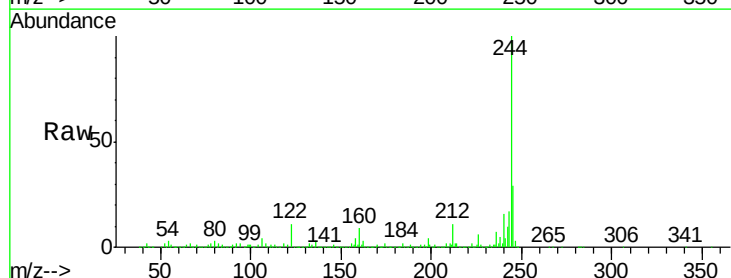
Instrument :
BNA_G
ClientSampleId :
SOIL-COMP

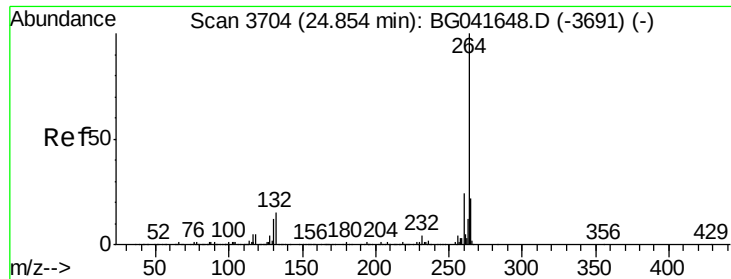
Tot Ion	Ratio	Lower	Upper
202	100		
200	19.8	22.2	33.2#
203	17.3	18.9	28.3#



#79
Terphenyl-d14
Concen: 81.512 ng
RT: 20.00 min Scan# 2878
Delta R.T. -0.01 min
Lab File: BG041755.D
Acq: 23 Jul 2019 13:43

Tgt Ion	Ratio	Lower	Upper
244	100		
212	10.6	9.7	14.5
122	11.5	12.5	18.7#





#87
 Pervlene-d12
 Concen: 20.000 ng
 RT: 24.83 min Scan# 3701
 Delta R.T. -0.03 min
 Lab File: BG041755.D
 Acq: 23 Jul 2019 13:43

Instrument :
 BNA_G
 ClientSampleId :
 SOIL-COMP

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.3	19.5	29.3
265	22.0	18.0	27.0

