

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG062519\
 Data File : BG041452.D
 Acq On : 25 Jun 2019 20:18
 Operator : HP/JU
 Sample : K3475-04
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SOILS-4

Quant Time: Jun 26 04:59:47 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG061719.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jun 17 14:58:02 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.04	152	33961	20.00	ng	-0.04
21) Naphthalene-d8	10.86	136	114807	20.00	ng	-0.05
39) Acenaphthene-d10	14.68	164	83169	20.00	ng	-0.04
64) Phenanthrene-d10	17.43	188	213017	20.00	ng	-0.03
76) Chrysene-d12	21.70	240	223962	20.00	ng	-0.04
87) Perylene-d12	24.99	264	242430	20.00	ng	-0.06
System Monitoring Compounds						
5) 2-Fluorophenol	5.59	112	243487	131.74	ng	-0.03
7) Phenol-d6	7.20	99	315926	117.92	ng	-0.03
23) Nitrobenzene-d5	9.22	82	267894	98.14	ng	-0.04
42) 2,4,6-Tribromophenol	16.17	330	188038	147.27	ng	-0.03
45) 2-Fluorobiphenyl	13.31	172	614494	100.42	ng	-0.03
79) Terphenyl-d14	20.03	244	1195792	105.81	ng	-0.03

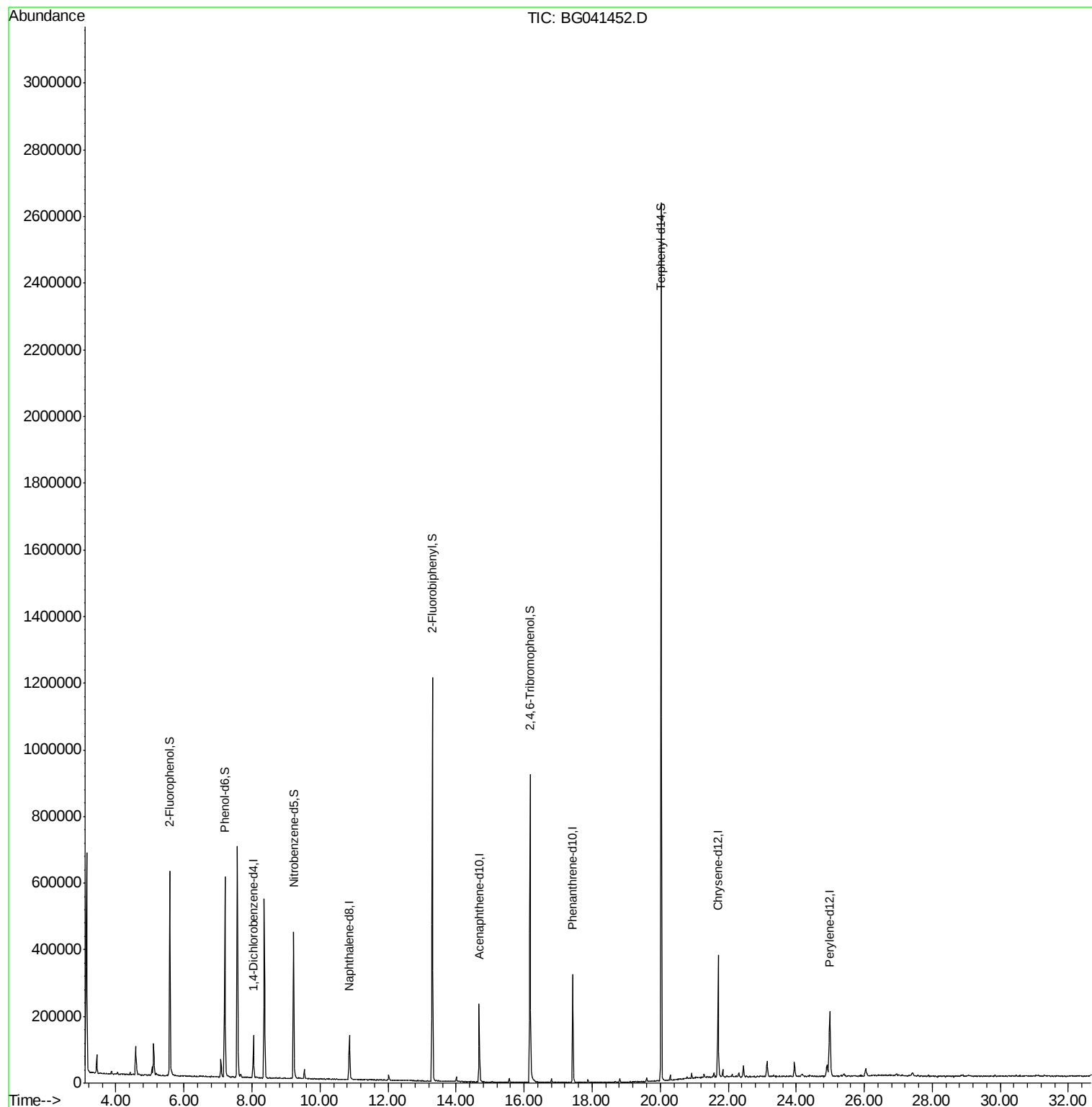
Target Compounds Qvalue

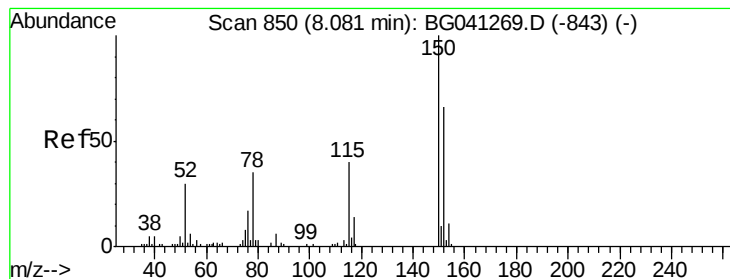
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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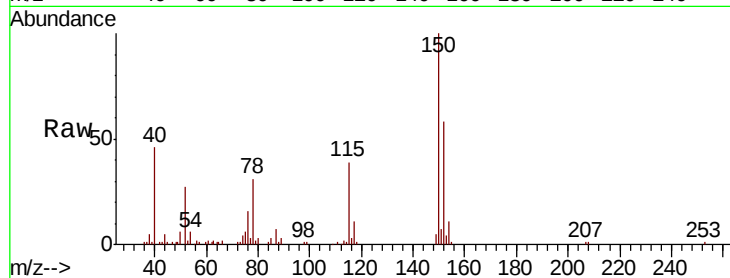


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.04 min Scan# 843
Delta R.T. -0.04 min
Lab File: BG041452.D
Acq: 25 Jun 2019 20:18

Instrument :
BNA_G
ClientSampleId :
SOILS-4

Tot Ion	152	Resp	33961
Ion	Ratio	Lower	Upper
152	100		
150	171.3	120.6	181.0
115	66.4	47.9	71.9

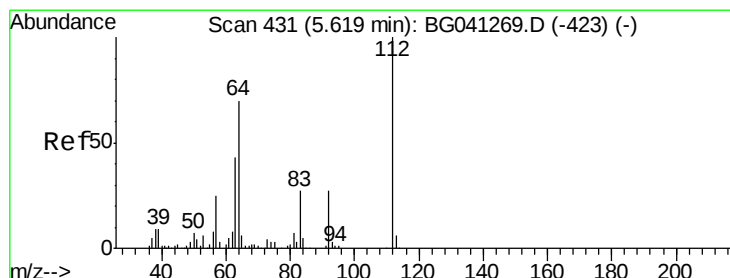
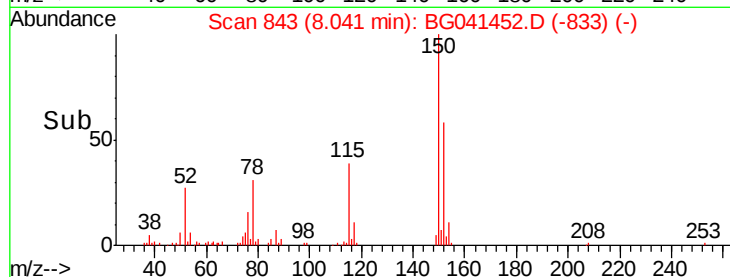
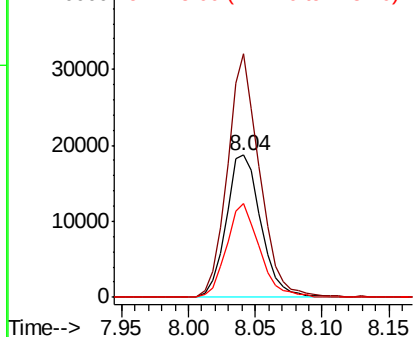


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

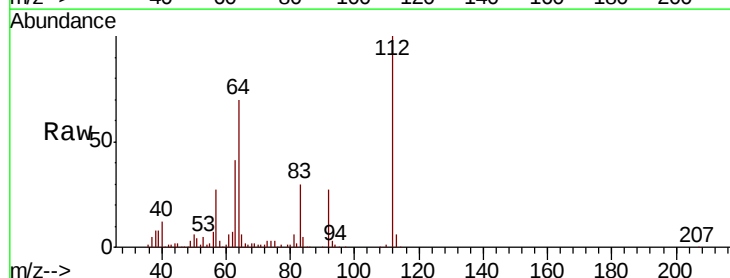
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 131.735 ng
RT: 5.59 min Scan# 425
Delta R.T. -0.03 min
Lab File: BG041452.D
Acq: 25 Jun 2019 20:18

Tgt Ion	112	Resp	243487
Ion	Ratio	Lower	Upper
112	100		
64	69.7	55.9	83.9
63	41.1	34.6	51.8

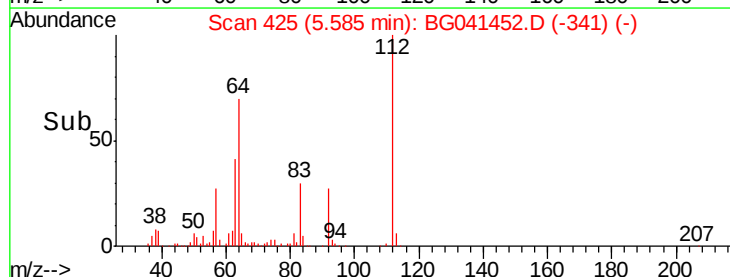
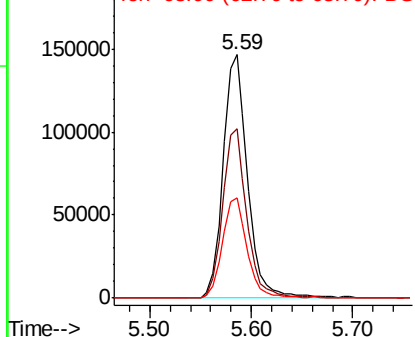


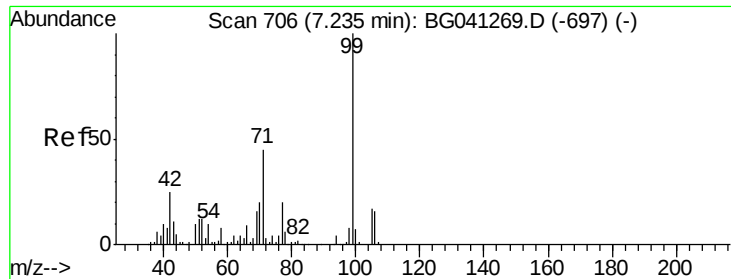
Abundance

Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BG

Ion 63.00 (62.70 to 63.70): BG





#7

Phenol-d6

Concen: 117.921 ng

RT: 7.20 min Scan# 700

Delta R.T. -0.03 min

Lab File: BG041452.D

Acq: 25 Jun 2019 20:18

Instrument :

BNA_G

ClientSampleId :

SOILS-4

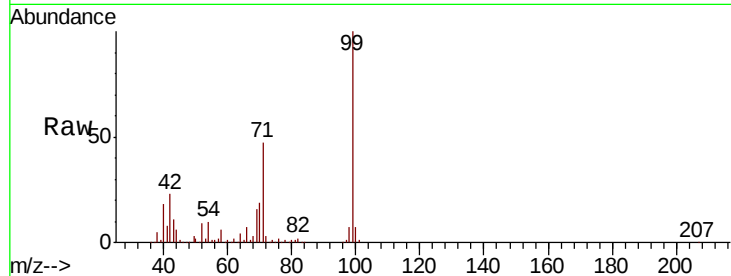
Tot Ion: 99 Resp: 315926

Ion Ratio Lower Upper

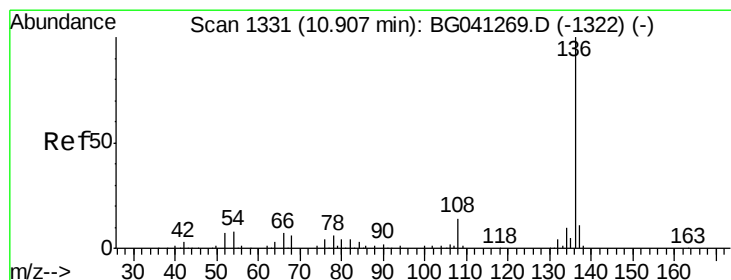
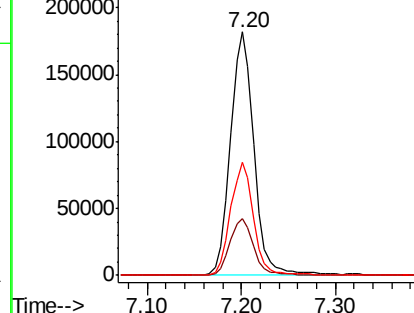
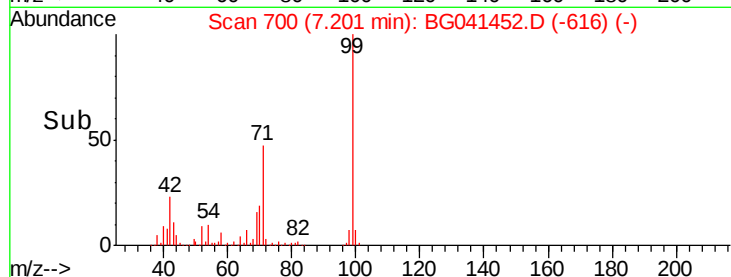
99 100

42 23.1 19.9 29.9

71 46.6 36.4 54.6



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: 10.86 min Scan# 1323

Delta R.T. -0.05 min

Lab File: BG041452.D

Acq: 25 Jun 2019 20:18

Tgt Ion: 136 Resp: 114807

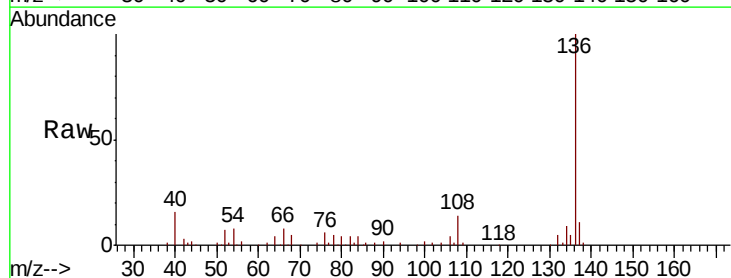
Ion Ratio Lower Upper

136 100

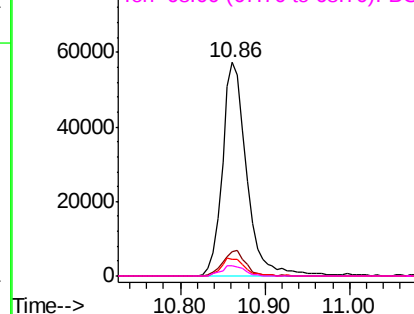
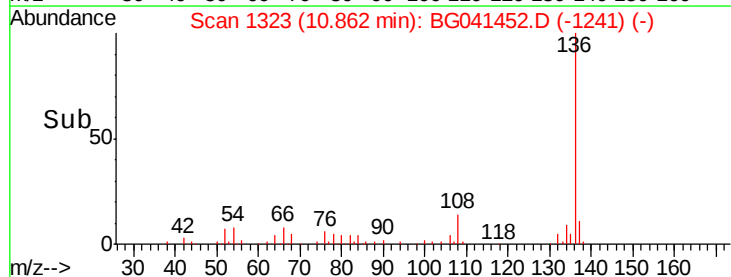
137 11.4 8.8 13.2

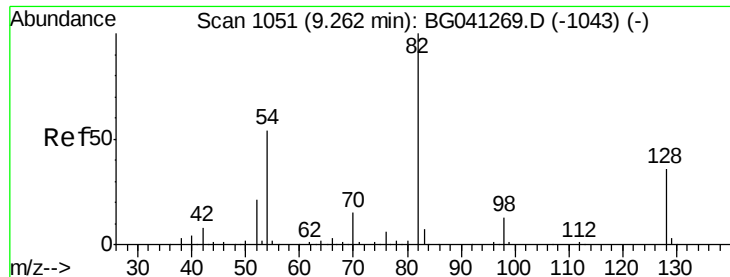
54 8.1 6.4 9.6

68 4.7 4.8 7.2#



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

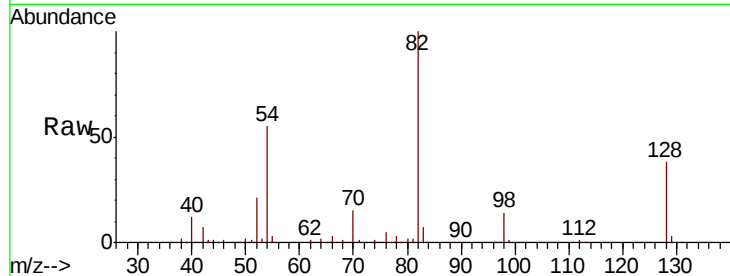




#23
Nitrobenzene-d5
Concen: 98.135 ng
RT: 9.22 min Scan# 1044
Delta R.T. -0.04 min
Lab File: BG041452.D
Acq: 25 Jun 2019 20:18

Instrument :
BNA_G
ClientSampleId :
SOILS-4

Tot Ion	82	Resp	267894
Ion Ratio	100	Lower	Upper
128	38.3	29.2	43.8
54	54.9	43.4	65.0

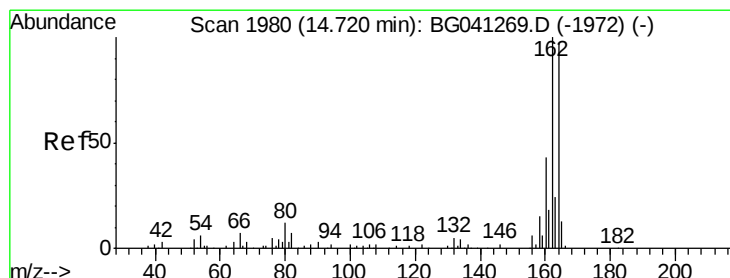
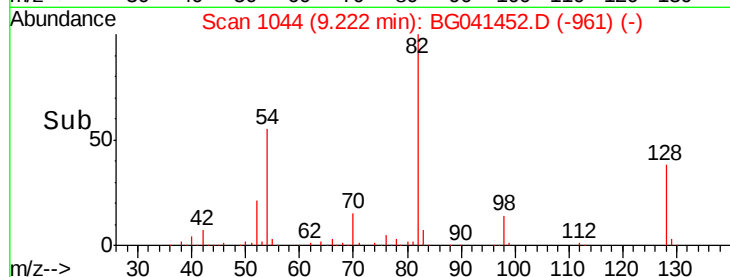
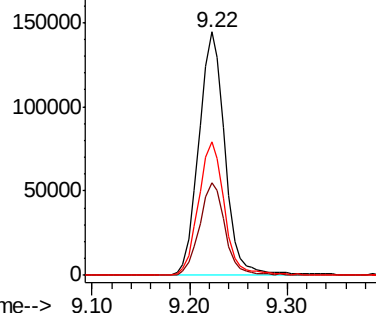


Abundance

Ion 82.00 (81.70 to 82.70): BGC

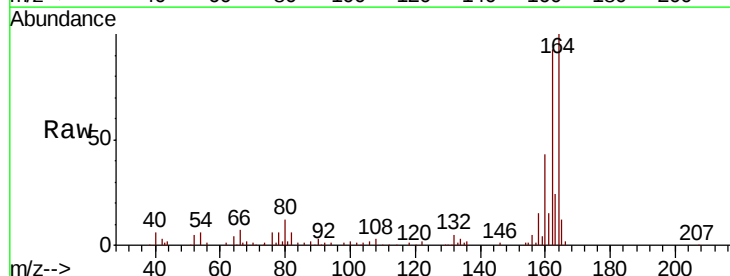
Ion 128.00 (127.70 to 128.70): BGC

Ion 54.00 (53.70 to 54.70): BGC



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.68 min Scan# 1973
Delta R.T. -0.04 min
Lab File: BG041452.D
Acq: 25 Jun 2019 20:18

Tgt Ion	164	Resp	83169
Ion Ratio	100	Lower	Upper
162	92.7	82.8	124.2
160	43.2	35.8	53.8

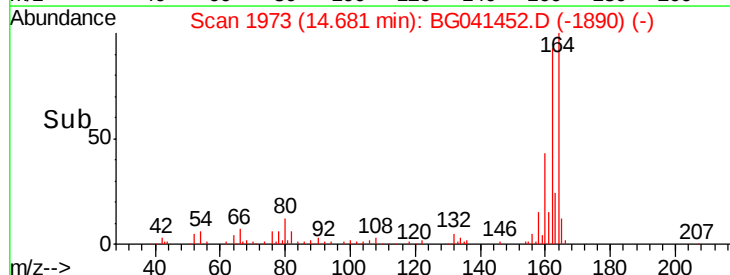
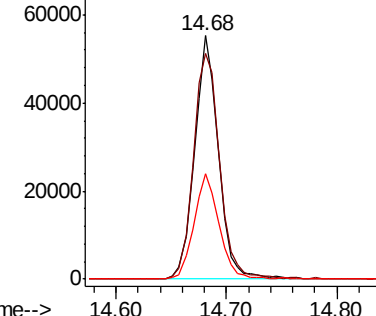


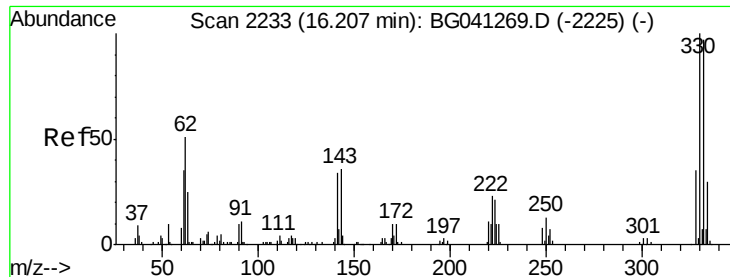
Abundance

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: 147.270 ng

RT: 16.17 min Scan# 2227

Delta R.T. -0.03 min

Lab File: BG041452.D

Acq: 25 Jun 2019 20:18

Instrument :

BNA_G

ClientSampleId :

SOILS-4

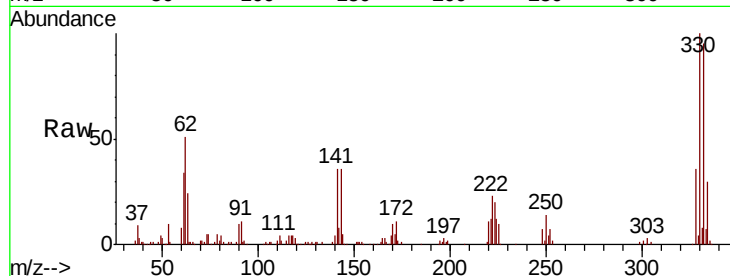
Tot Ion:330 Resp: 188038

Ion Ratio Lower Upper

330 100

332 95.0 75.5 113.3

141 36.2 29.0 43.4

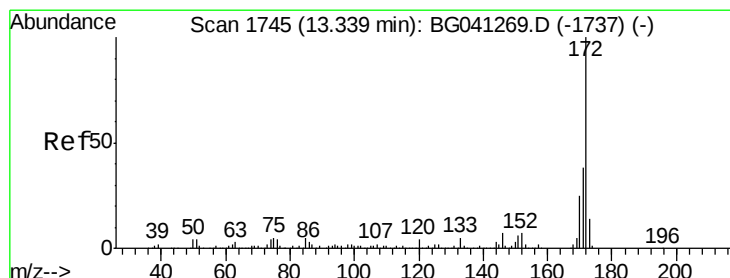
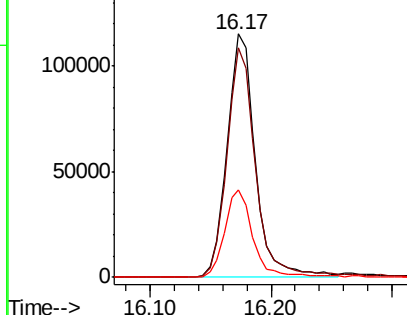
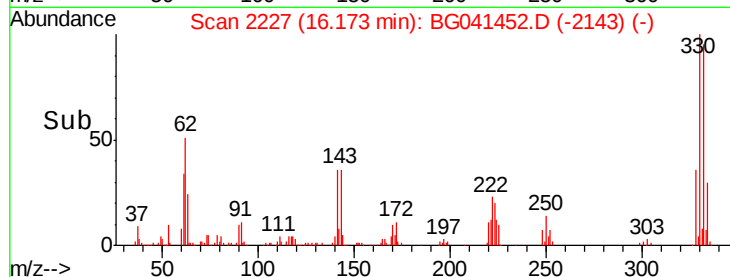


Abundance

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



#45

2-Fluorobiphenyl

Concen: 100.421 ng

RT: 13.31 min Scan# 1739

Delta R.T. -0.03 min

Lab File: BG041452.D

Acq: 25 Jun 2019 20:18

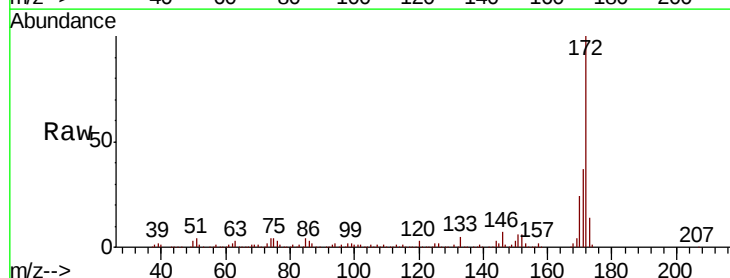
Tgt Ion:172 Resp: 614494

Ion Ratio Lower Upper

172 100

171 37.1 30.0 45.0

170 24.2 19.8 29.6

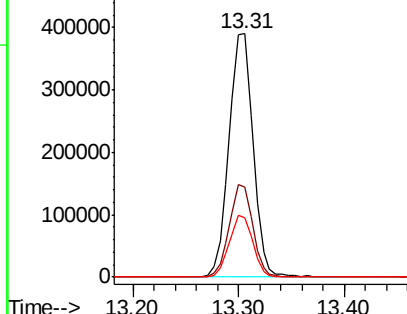
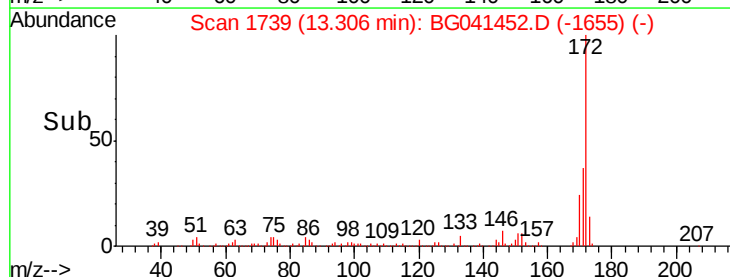


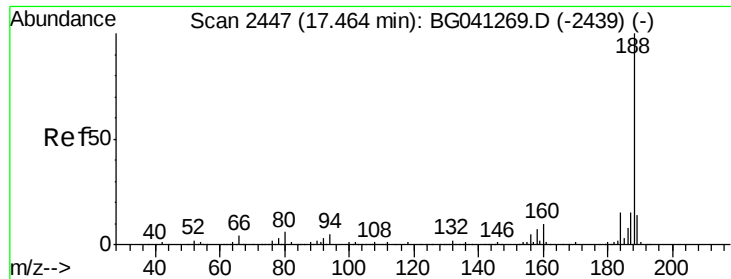
Abundance

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

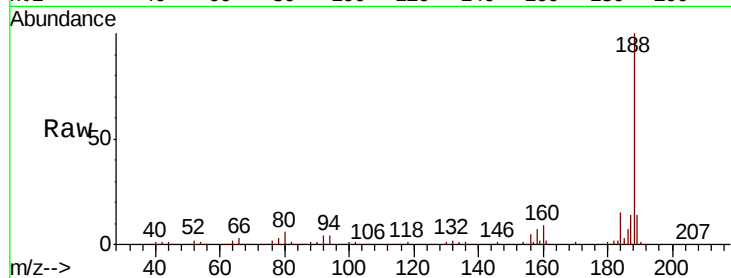




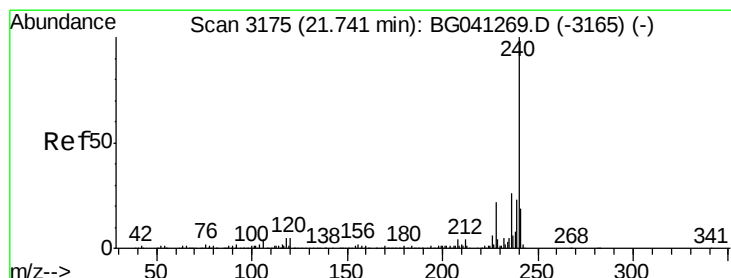
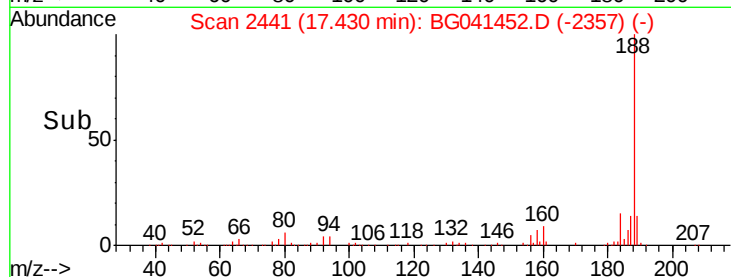
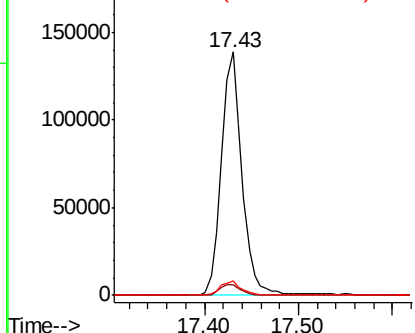
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.43 min Scan# 2441
Delta R.T. -0.03 min
Lab File: BG041452.D
Acq: 25 Jun 2019 20:18

Instrument :
BNA_G
ClientSampleId :
SOILS-4

Tot Ion:188 Resp: 213017
Ion Ratio Lower Upper
188 100
94 4.4 3.6 5.4
80 5.9 4.8 7.2

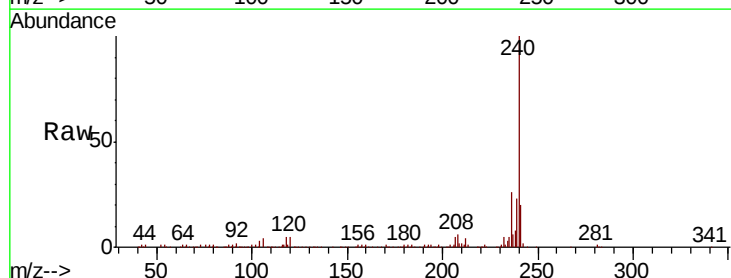


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BGO
Ion 80.00 (79.70 to 80.70): BGO

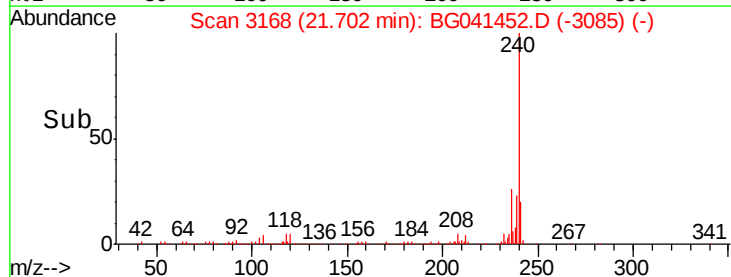
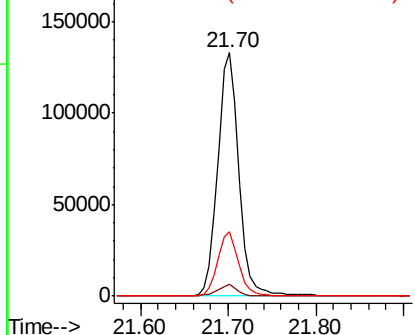


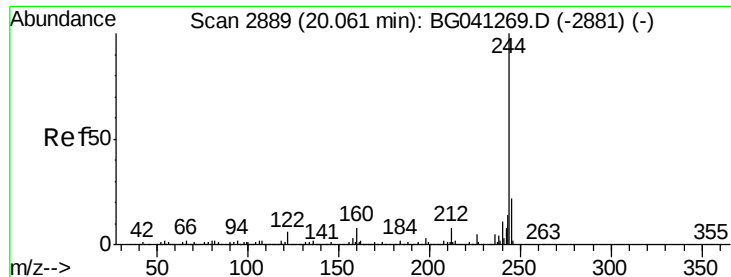
#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.70 min Scan# 3168
Delta R.T. -0.04 min
Lab File: BG041452.D
Acq: 25 Jun 2019 20:18

Tgt Ion:240 Resp: 223962
Ion Ratio Lower Upper
240 100
120 4.8 3.7 5.5
236 26.3 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





#79

Terphenyl-d14

Concen: 105.813 ng

RT: 20.03 min Scan# 2883

Delta R.T. -0.03 min

Lab File: BG041452.D

Acq: 25 Jun 2019 20:18

Instrument :

BNA_G

ClientSampleId :

SOILS-4

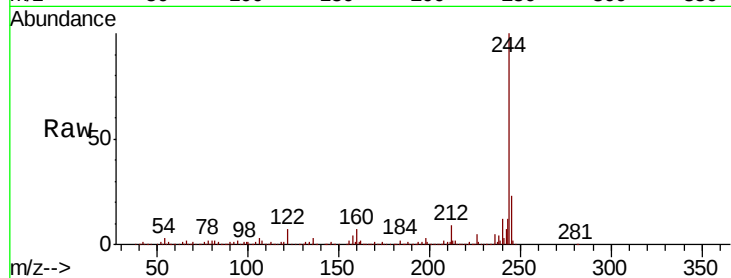
Tot Ion:244 Resp: 1195792

Ion Ratio Lower Upper

244 100

212 8.6 6.6 10.0

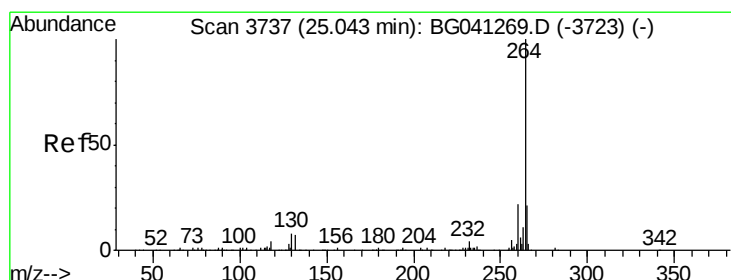
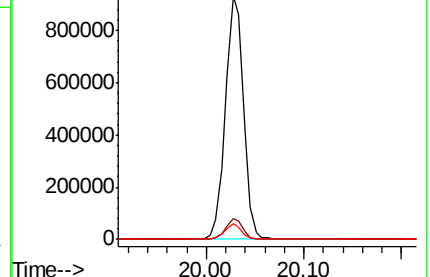
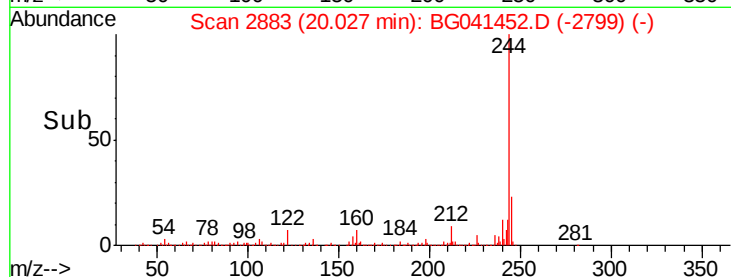
122 6.6 5.0 7.4



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



#87

Perylene-d12

Concen: 20.000 ng

RT: 24.99 min Scan# 3727

Delta R.T. -0.06 min

Lab File: BG041452.D

Acq: 25 Jun 2019 20:18

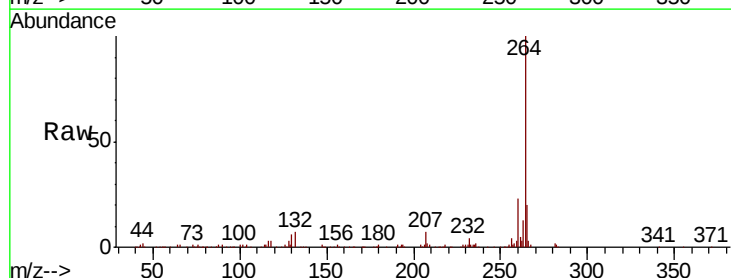
Tgt Ion:264 Resp: 242430

Ion Ratio Lower Upper

264 100

260 23.1 17.4 26.2

265 20.0 17.2 25.8



Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

