

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG011119\
 Data File : BG039112.D
 Acq On : 12 Jan 2019 10:28
 Operator : JU/SJ
 Sample : K1118-08
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 TESTPIT-SOIL-1

Quant Time: Jan 14 10:32:12 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG010919.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jan 09 14:23:53 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.02	152	22967	20.00	ng	-0.01
21) Naphthalene-d8	10.84	136	101331	20.00	ng	0.00
39) Acenaphthene-d10	14.66	164	77136	20.00	ng	0.00
64) Phenanthrene-d10	17.41	188	243027	20.00	ng	0.00
76) Chrysene-d12	21.69	240	206165	20.00	ng	-0.01
87) Perylene-d12	24.96	264	214744	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.57	112	170804	141.08	ng	0.00
7) Phenol-d6	7.19	99	214915	123.35	ng	0.00
23) Nitrobenzene-d5	9.21	82	156917	84.74	ng	0.00
42) 2,4,6-Tribromophenol	16.16	330	166977	129.14	ng	-0.01
45) 2-Fluorobiphenyl	13.28	172	466136	82.70	ng	0.00
79) Terphenyl-d14	20.02	244	1001626	89.87	ng	0.00

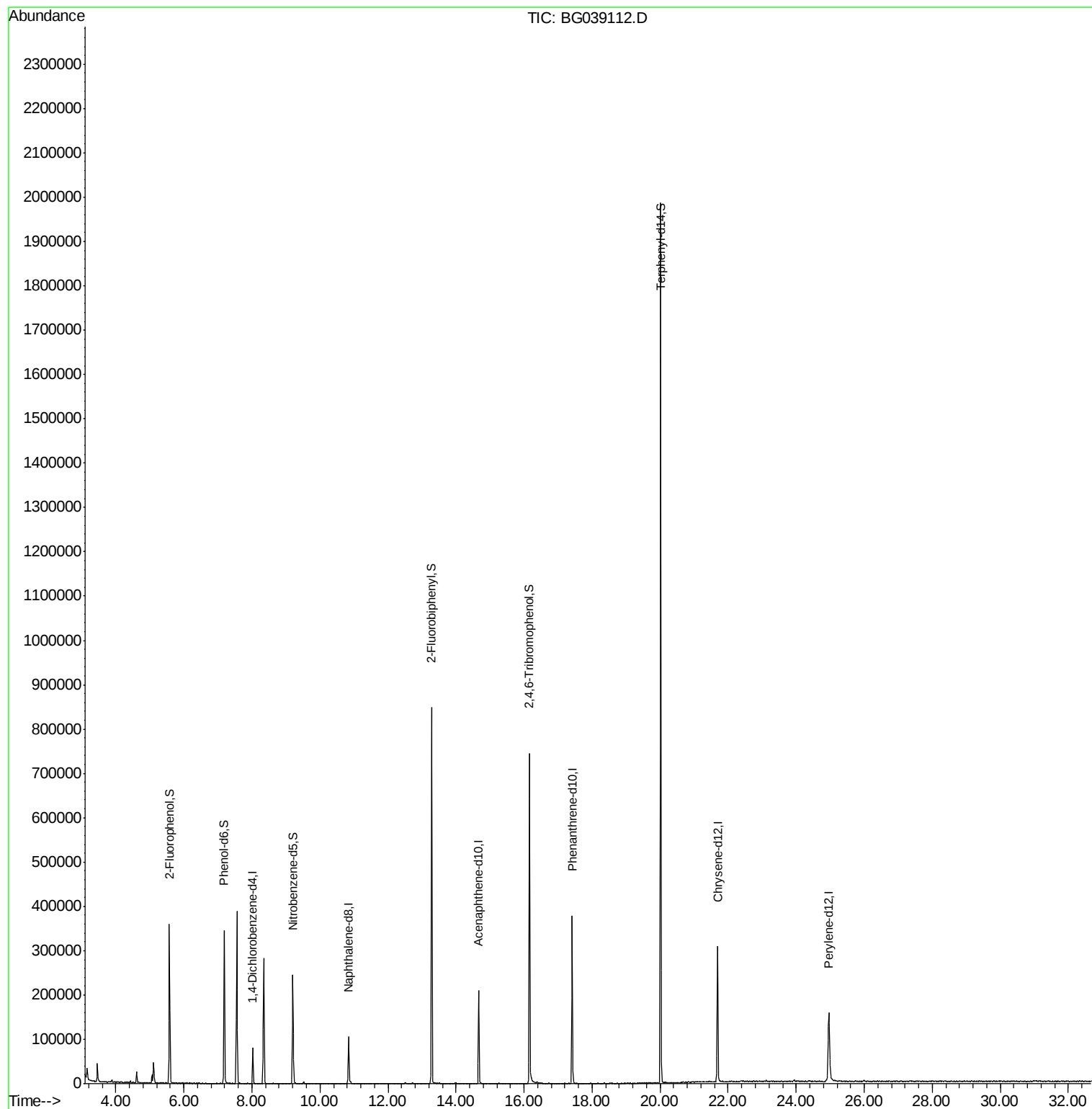
Target Compounds Qvalue

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

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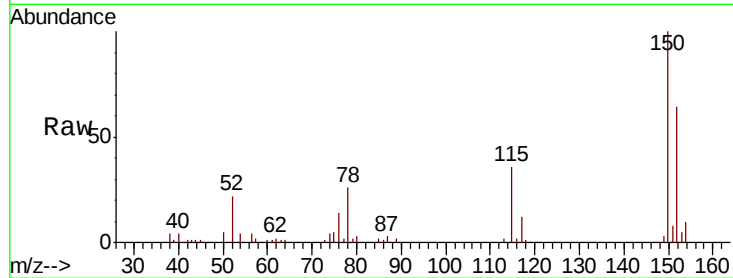


#1

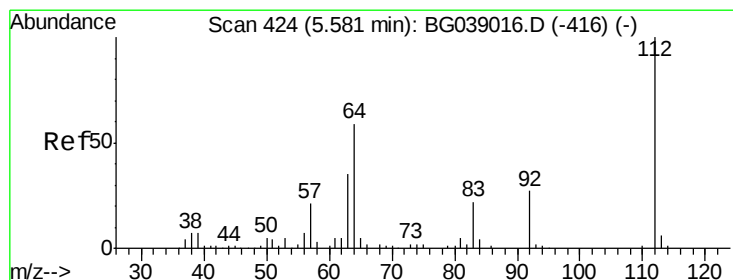
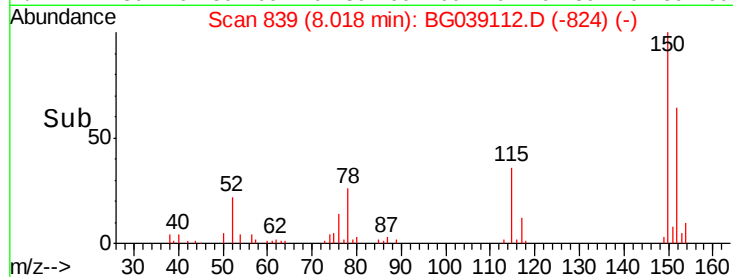
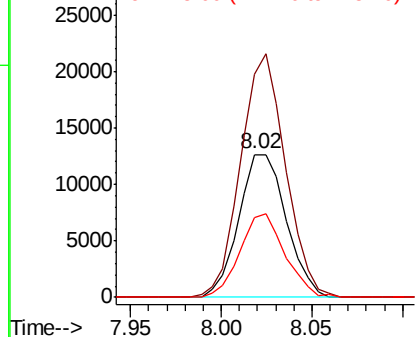
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.02 min Scan# 839
Delta R.T. -0.01 min
Lab File: BG039112.D
Acq: 12 Jan 2019 10:28

Instrument :
BNA_G
ClientSampleId :
TESTPIT-SOIL-1

Tot Ion:152 Resp: 22967
Ion Ratio Lower Upper
152 100
150 155.7 124.7 187.1
115 55.6 46.5 69.7



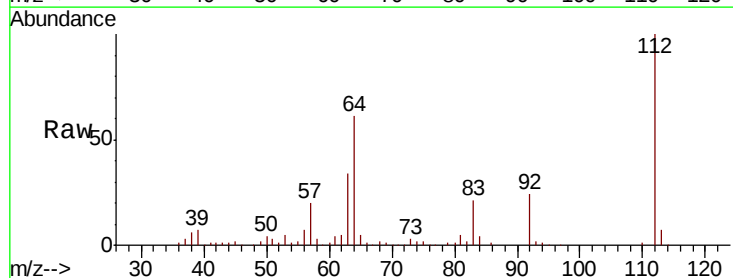
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



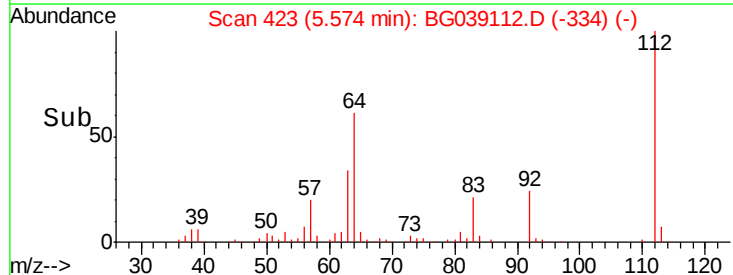
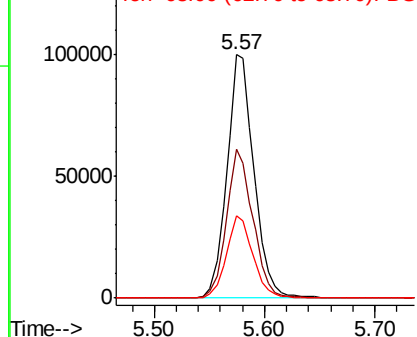
#5

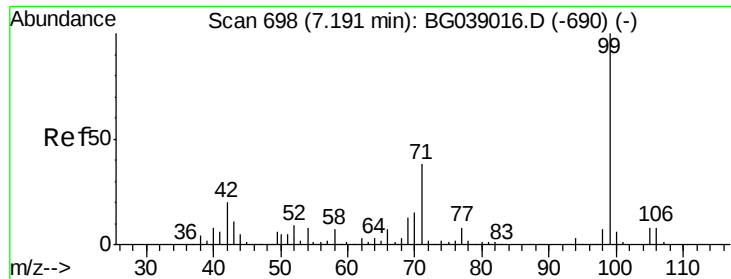
2-Fluorophenol
Concen: 141.077 ng
RT: 5.57 min Scan# 423
Delta R.T. -0.01 min
Lab File: BG039112.D
Acq: 12 Jan 2019 10:28

Tgt Ion:112 Resp: 170804
Ion Ratio Lower Upper
112 100
64 61.2 47.0 70.6
63 33.6 28.0 42.0



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: 123.346 ng

RT: 7.19 min Scan# 698

Delta R.T. -0.00 min

Lab File: BG039112.D

Acq: 12 Jan 2019 10:28

Instrument :

BNA_G

ClientSampleId :

TESTPIT-SOIL-1

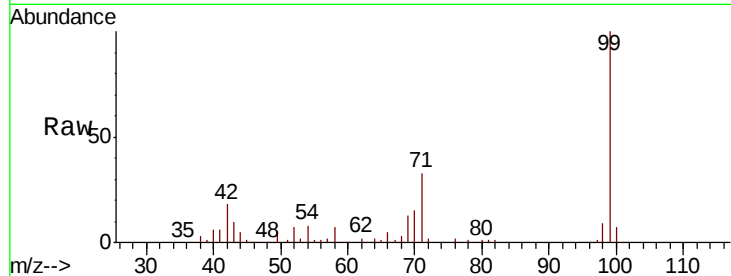
Tot Ion: 99 Resp: 214915

Ion Ratio Lower Upper

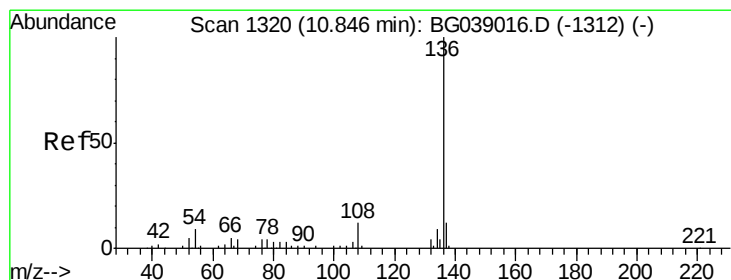
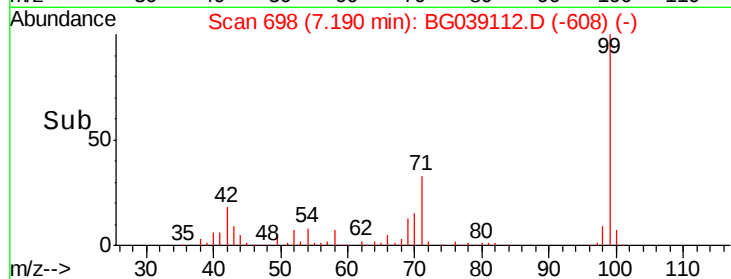
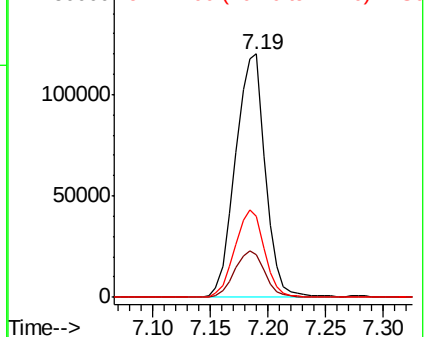
99 100

42 17.7 15.8 23.6

71 33.4 30.2 45.4



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



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.84 min Scan# 1319

Delta R.T. -0.01 min

Lab File: BG039112.D

Acq: 12 Jan 2019 10:28

Tgt Ion: 136 Resp: 101331

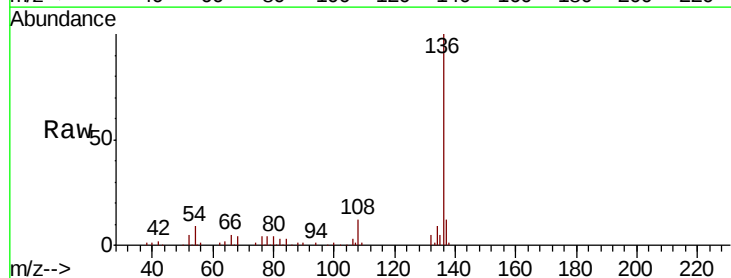
Ion Ratio Lower Upper

136 100

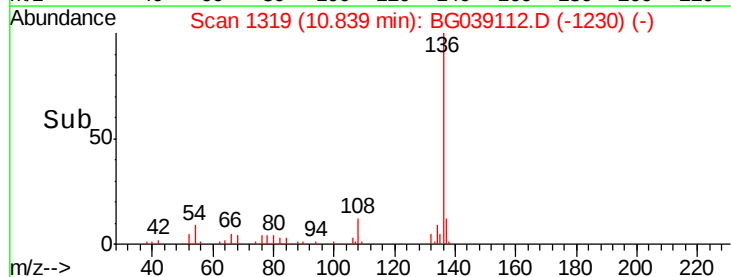
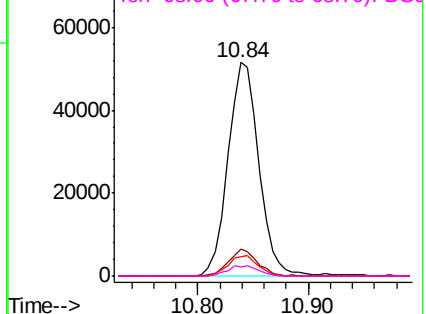
137 12.5 9.4 14.2

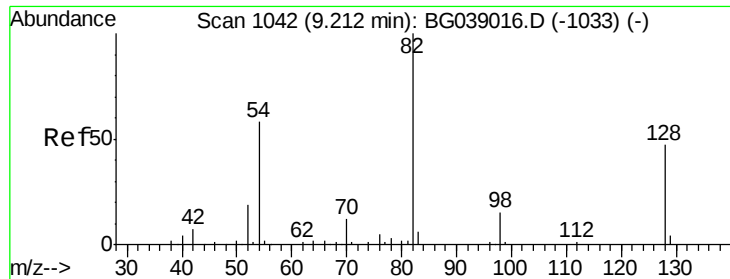
54 8.9 7.2 10.8

68 4.5 3.5 5.3



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

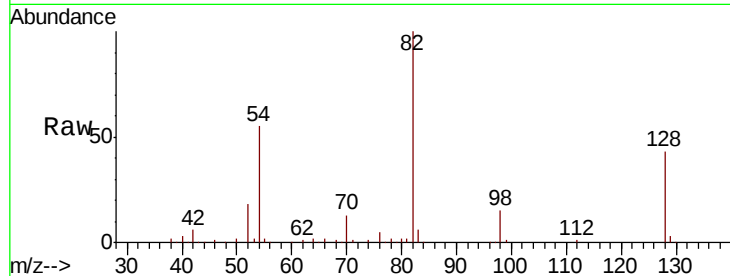




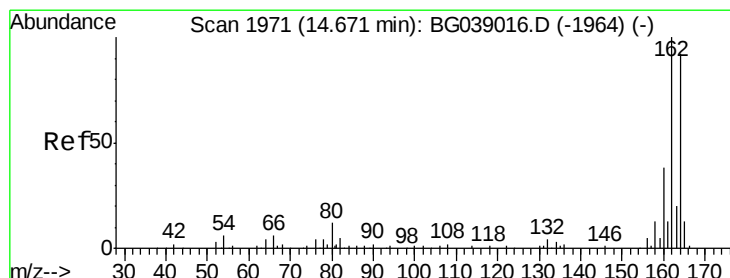
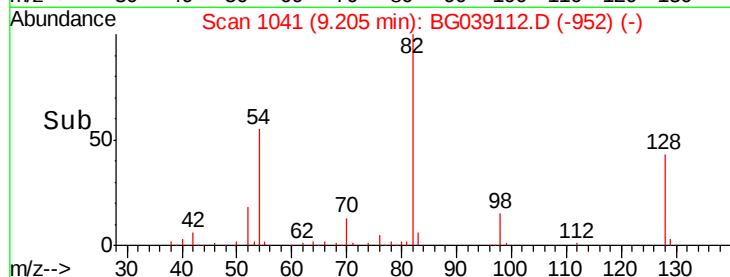
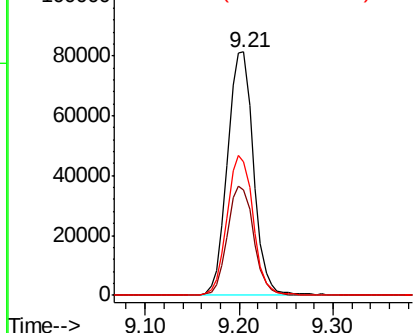
#23
 Nitrobenzene-d5
 Concen: 84.736 ng
 RT: 9.21 min Scan# 1041
 Delta R.T. -0.01 min
 Lab File: BG039112.D
 Acq: 12 Jan 2019 10:28

Instrument :
 BNA_G
 ClientSampleId :
 TESTPIT-SOIL-1

Tot Ion	82	Resp	156917
Ion Ratio	Lower	Upper	
82	100		
128	43.2	37.3	55.9
54	54.7	46.4	69.6

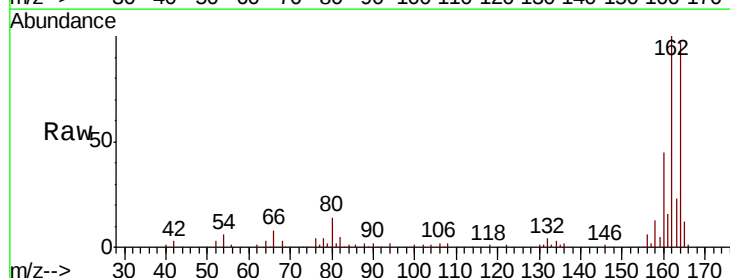


Abundance Ion 82.00 (81.70 to 82.70): BGC
 Ion 128.00 (127.70 to 128.70): BGC
 Ion 54.00 (53.70 to 54.70): BGC

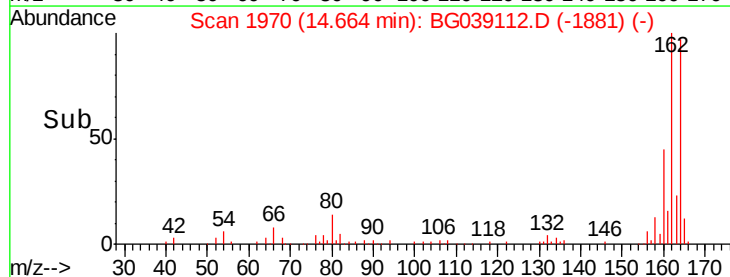
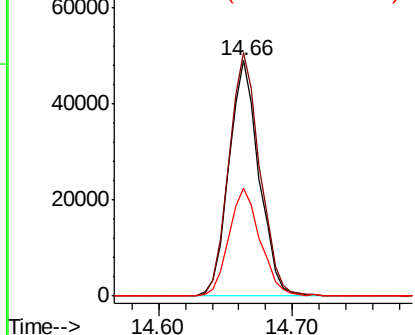


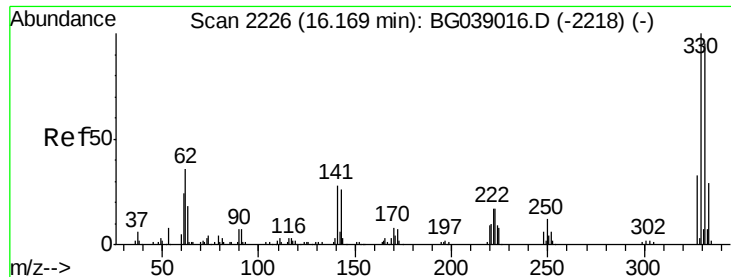
#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 14.66 min Scan# 1970
 Delta R.T. -0.01 min
 Lab File: BG039112.D
 Acq: 12 Jan 2019 10:28

Tgt Ion	164	Resp	77136
Ion Ratio	Lower	Upper	
164	100		
162	103.4	87.2	130.8
160	46.1	33.3	49.9



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: 129.138 ng

RT: 16.16 min Scan# 2224

Delta R.T. -0.01 min

Lab File: BG039112.D

Acq: 12 Jan 2019 10:28

Instrument :

BNA_G

ClientSampleId :

TESTPIT-SOIL-1

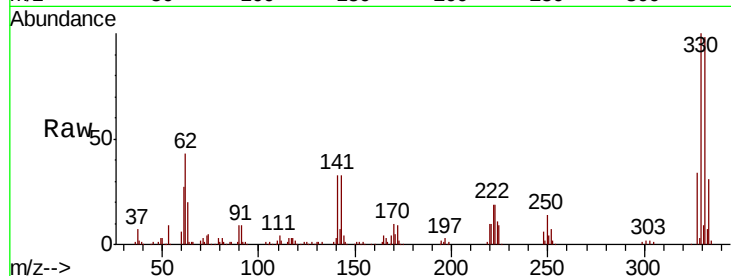
Tot Ion:330 Resp: 166977

Ion Ratio Lower Upper

330 100

332 95.2 75.7 113.5

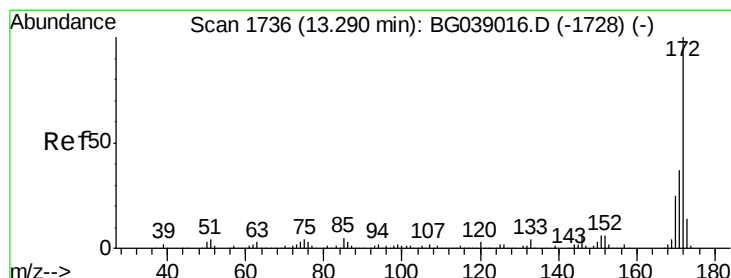
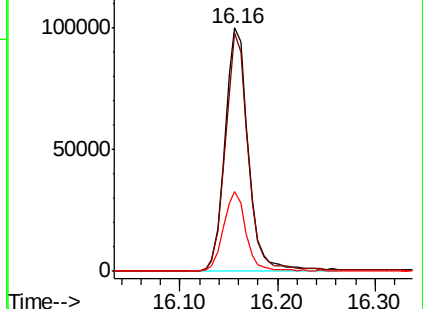
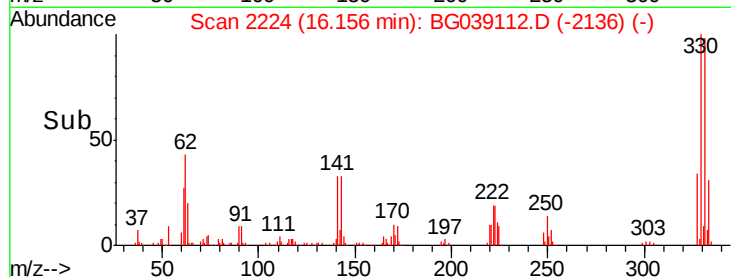
141 32.2 24.9 37.3



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: 82.703 ng

RT: 13.28 min Scan# 1735

Delta R.T. -0.01 min

Lab File: BG039112.D

Acq: 12 Jan 2019 10:28

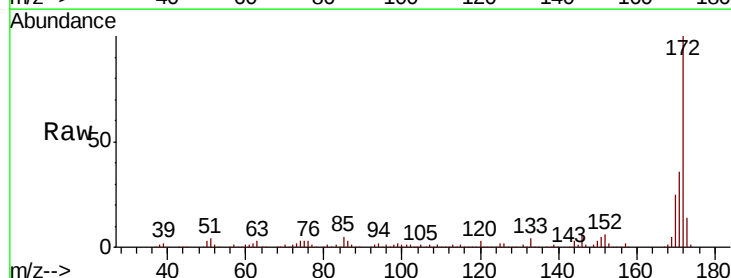
Tgt Ion:172 Resp: 466136

Ion Ratio Lower Upper

172 100

171 36.3 29.4 44.0

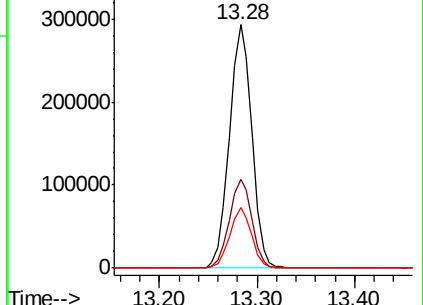
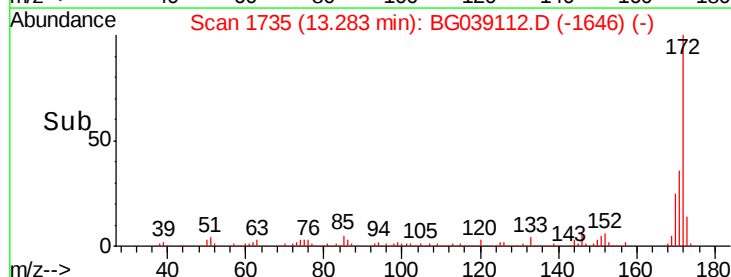
170 24.8 20.1 30.1

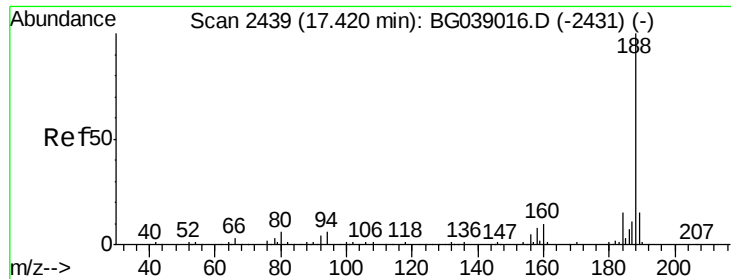


Abundance Ion 172.00 (171.70 to 172.70): E

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: 17.41 min Scan# 2438

Delta R.T. -0.01 min

Lab File: BG039112.D

Acq: 12 Jan 2019 10:28

Instrument :

BNA_G

ClientSampleId :

TESTPIT-SOIL-1

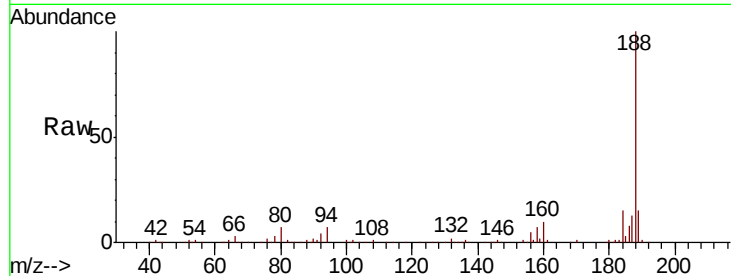
Tot Ion:188 Resp: 243027

Ion Ratio Lower Upper

188 100

94 6.9 5.0 7.4

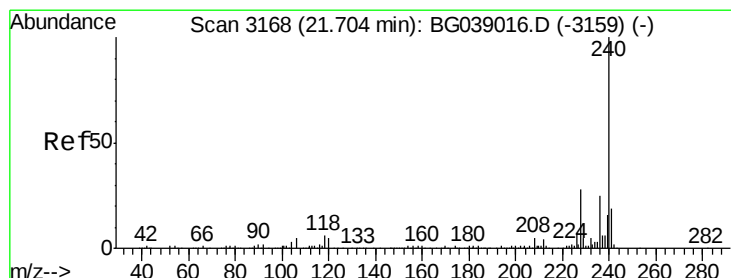
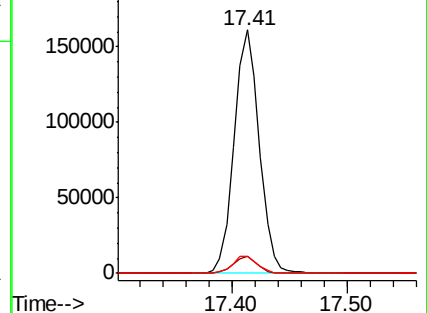
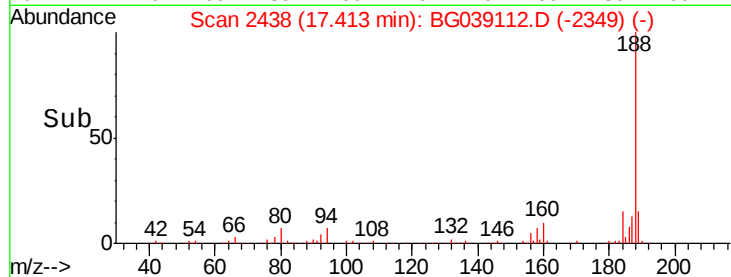
80 7.2 4.7 7.1#



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



#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.69 min Scan# 3166

Delta R.T. -0.01 min

Lab File: BG039112.D

Acq: 12 Jan 2019 10:28

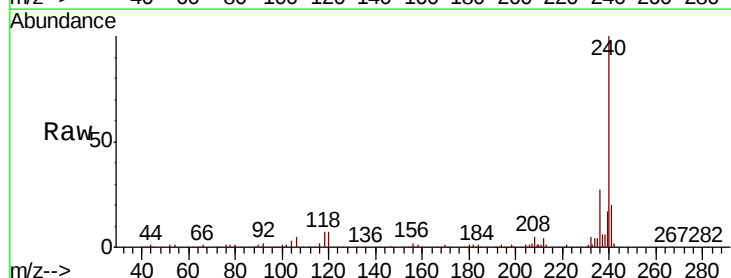
Tgt Ion:240 Resp: 206165

Ion Ratio Lower Upper

240 100

120 6.5 4.3 6.5#

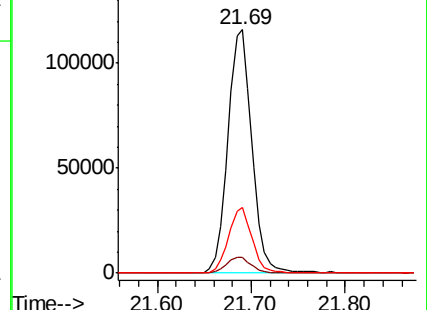
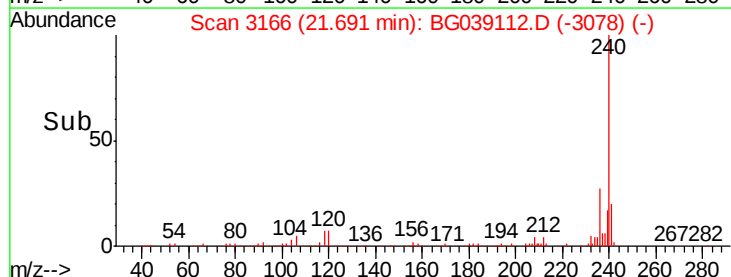
236 27.0 20.1 30.1

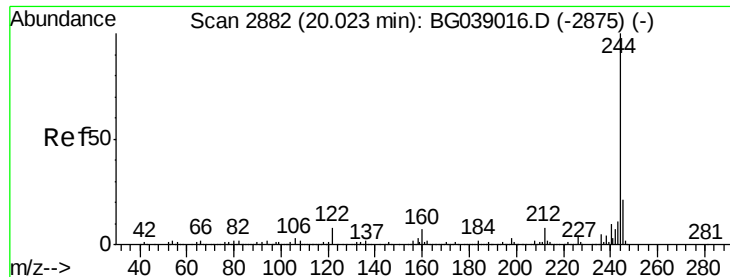


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#79

Terphenyl-d14

Concen: 89.875 ng

RT: 20.02 min Scan# 2881

Delta R.T. -0.01 min

Lab File: BG039112.D

Acq: 12 Jan 2019 10:28

Instrument :

BNA_G

ClientSampleId :

TESTPIT-SOIL-1

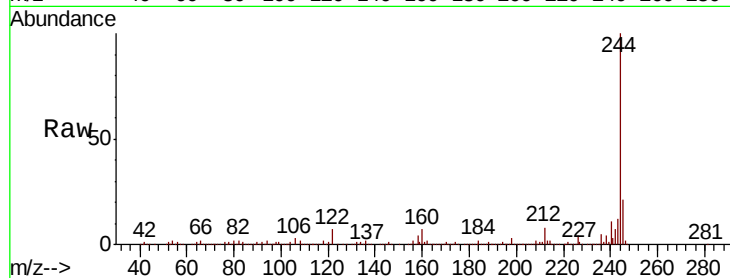
Tot Ion:244 Resp: 1001626

Ion Ratio Lower Upper

244 100

212 7.8 6.1 9.1

122 7.4 6.1 9.1

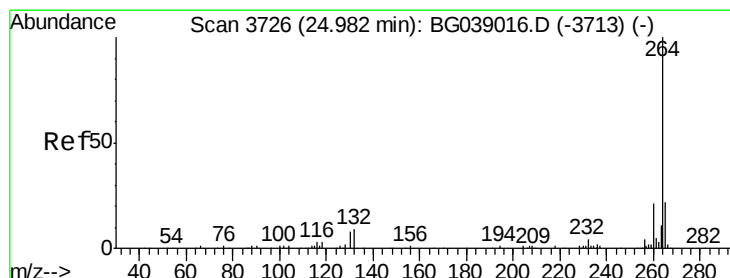
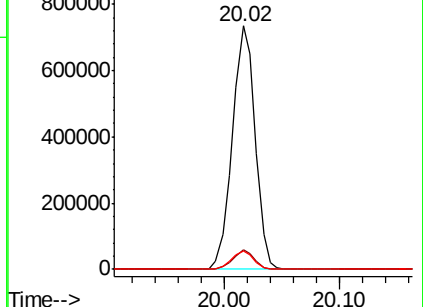
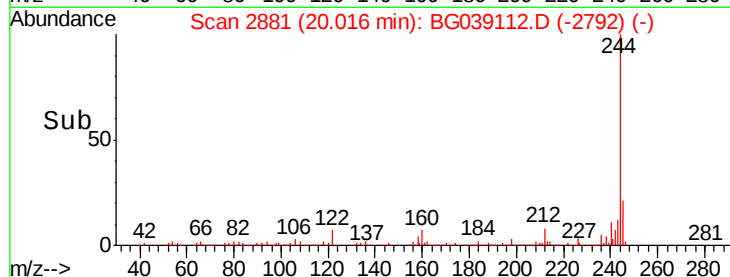


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

Time-->



#87

Perylene-d12

Concen: 20.000 ng

RT: 24.96 min Scan# 3722

Delta R.T. -0.02 min

Lab File: BG039112.D

Acq: 12 Jan 2019 10:28

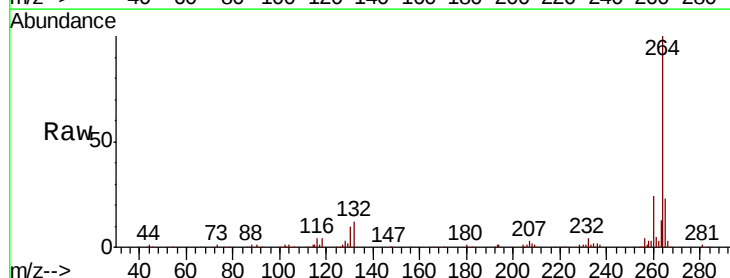
Tgt Ion:264 Resp: 214744

Ion Ratio Lower Upper

264 100

260 23.7 17.0 25.6

265 22.5 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

Time-->

