

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG021219\
 Data File : BG039482.D
 Acq On : 13 Feb 2019 3:11
 Operator : JU/SJ
 Sample : K1457-04
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 IDW-SOIL-04

Quant Time: Feb 13 07:11:42 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG012919.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jan 29 15:41:51 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.17	152	50668	20.00	ng	-0.01
21) Naphthalene-d8	11.00	136	231144	20.00	ng	-0.01
39) Acenaphthene-d10	14.80	164	159996	20.00	ng	-0.01
64) Phenanthrene-d10	17.54	188	386248	20.00	ng	-0.01
76) Chrysene-d12	21.83	240	404743	20.00	ng	-0.02
87) Perylene-d12	25.22	264	400559	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.72	112	449832	151.95	ng	0.00
7) Phenol-d6	7.31	99	614267	140.96	ng	0.00
23) Nitrobenzene-d5	9.35	82	433440	117.15	ng	-0.01
42) 2,4,6-Tribromophenol	16.28	330	262384	152.29	ng	-0.01
45) 2-Fluorobiphenyl	13.42	172	1024583	91.87	ng	-0.01
79) Terphenyl-d14	20.13	244	1653798	86.49	ng	-0.02

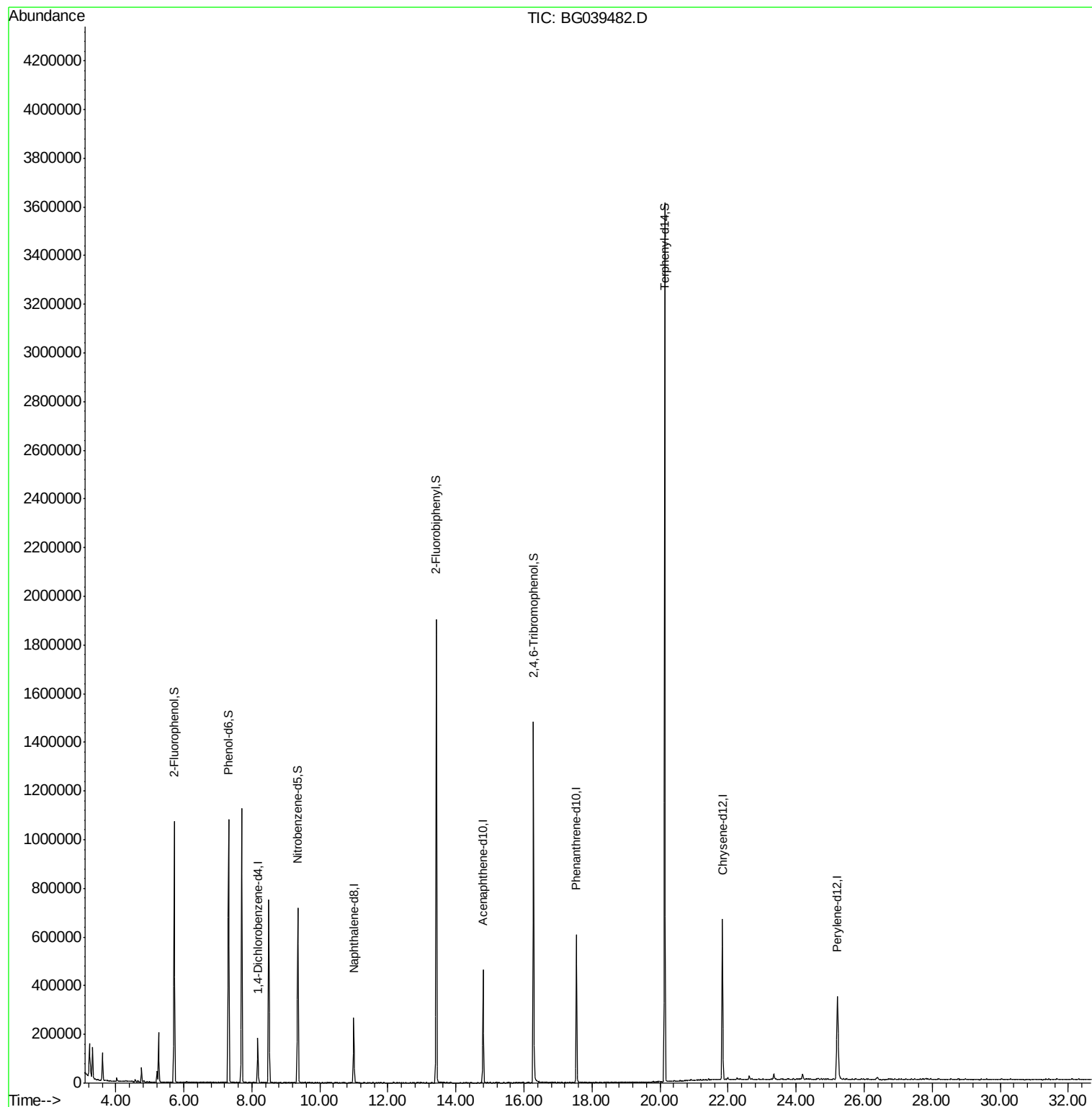
Target Compounds Qvalue

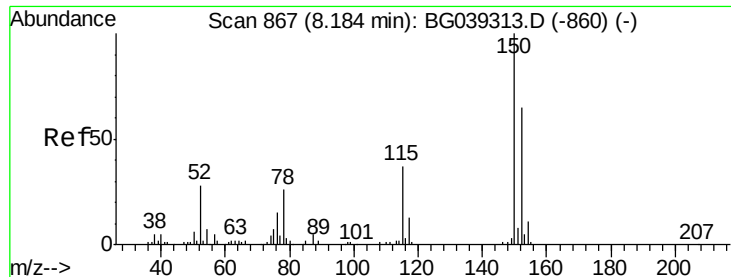
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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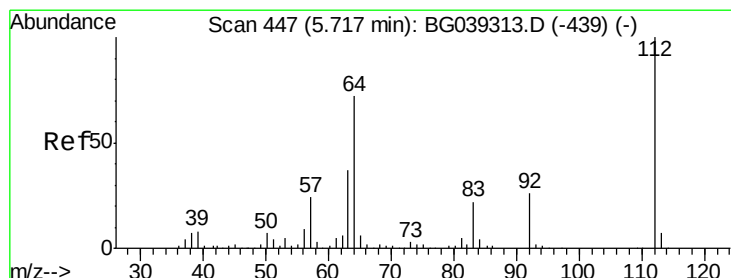
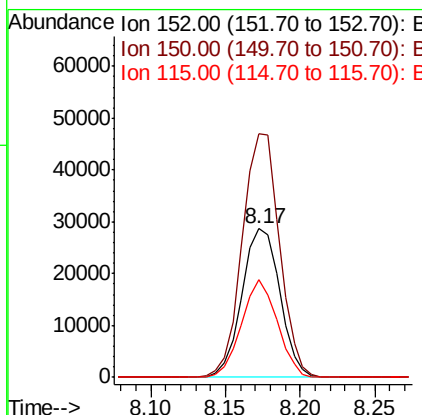
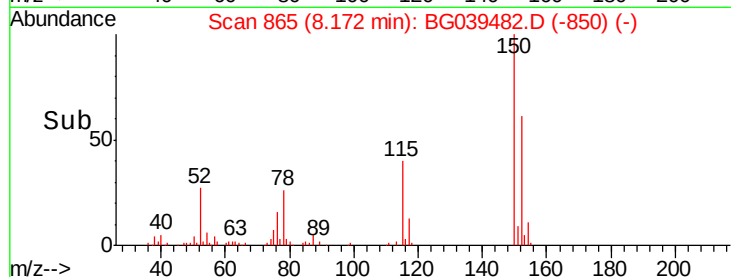
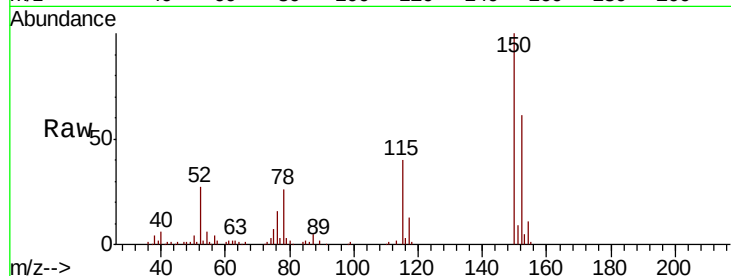


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.17 min Scan# 865
Delta R.T. -0.01 min
Lab File: BG039482.D
Acq: 13 Feb 2019 3:11

Instrument :
BNA_G
ClientSampleId :
IDW-SOIL-04

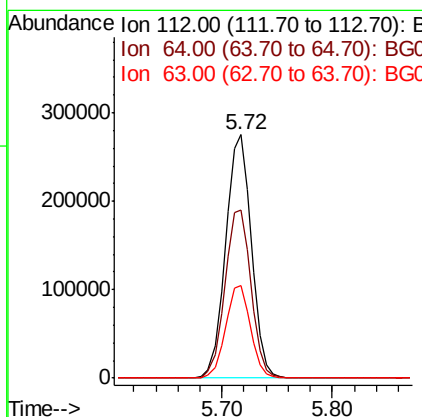
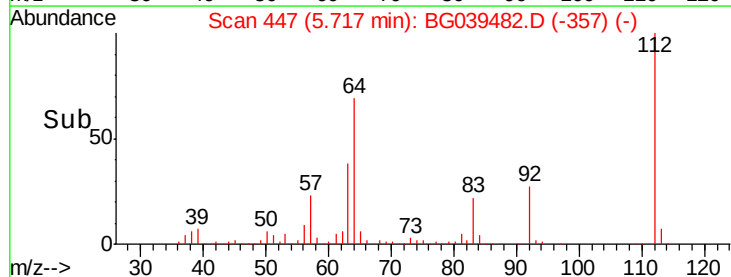
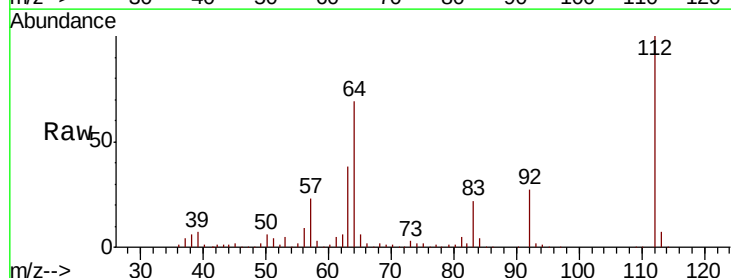
Tot Ion:152 Resp: 50668
Ion Ratio Lower Upper
152 100
150 163.7 123.7 185.5
115 65.6 45.9 68.9

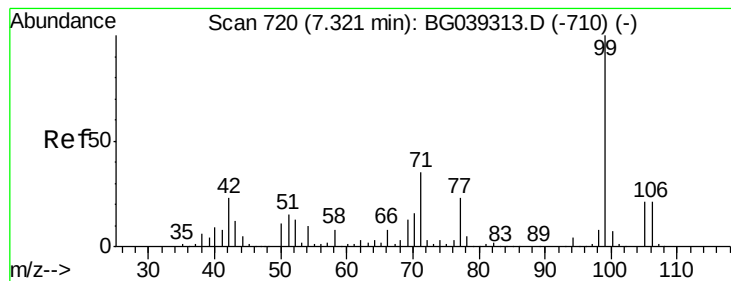


#5

2-Fluorophenol
Concen: 151.948 ng
RT: 5.72 min Scan# 447
Delta R.T. 0.00 min
Lab File: BG039482.D
Acq: 13 Feb 2019 3:11

Tgt Ion:112 Resp: 449832
Ion Ratio Lower Upper
112 100
64 69.2 57.8 86.8
63 38.0 29.8 44.6





#7

Phenol-d6

Concen: 140.962 ng

RT: 7.31 min Scan# 719

Delta R.T. -0.01 min

Lab File: BG039482.D

Acq: 13 Feb 2019 3:11

Instrument :

BNA_G

ClientSampleId :

IDW-SOIL-04

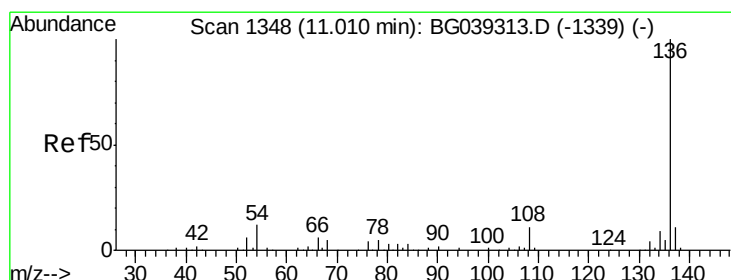
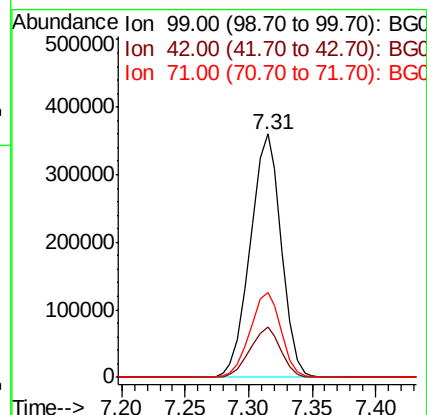
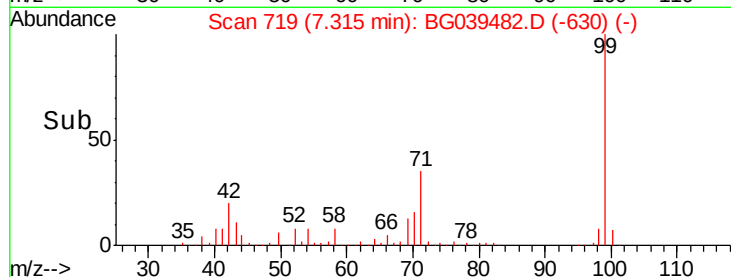
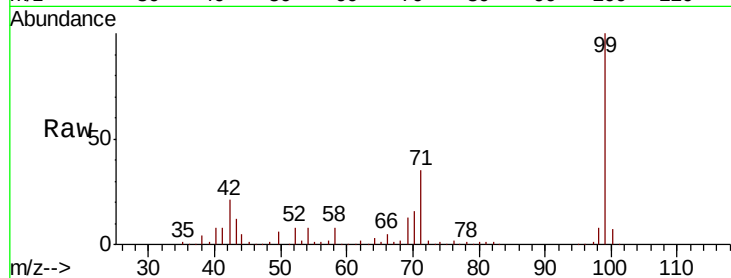
Tot Ion: 99 Resp: 614267

Ion Ratio Lower Upper

99 100

42 20.5 18.2 27.2

71 34.7 28.0 42.0



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 11.00 min Scan# 1346

Delta R.T. -0.01 min

Lab File: BG039482.D

Acq: 13 Feb 2019 3:11

Tgt Ion: 136 Resp: 231144

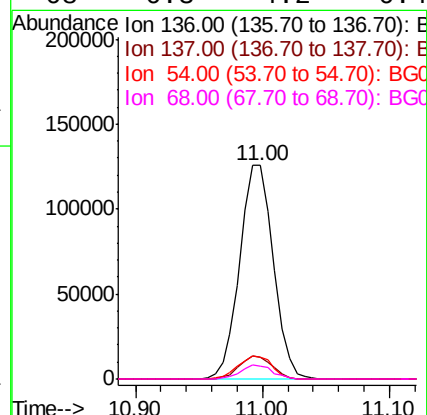
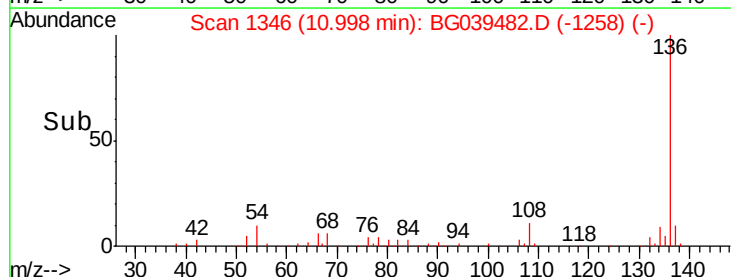
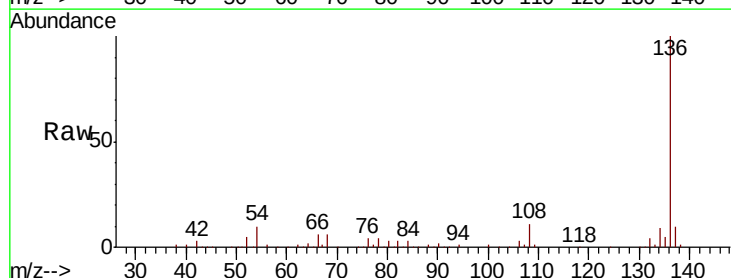
Ion Ratio Lower Upper

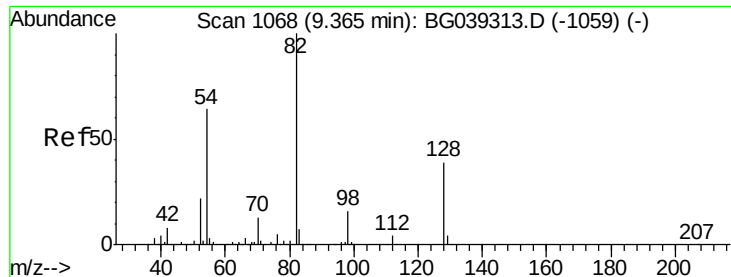
136 100

137 10.4 9.1 13.7

54 10.3 9.4 14.2

68 6.3 4.2 6.4

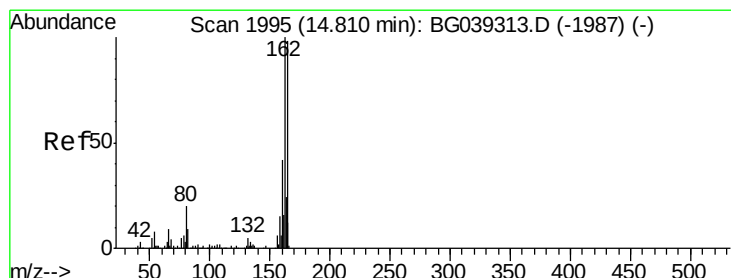
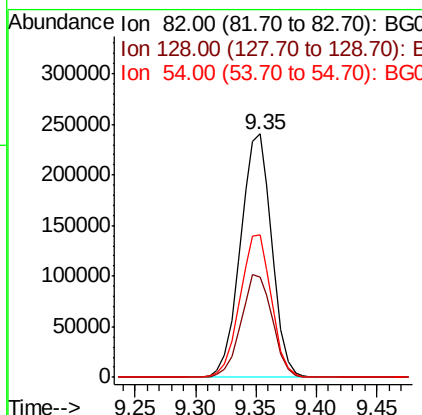
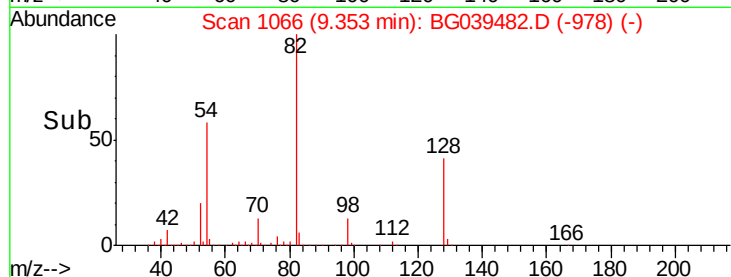
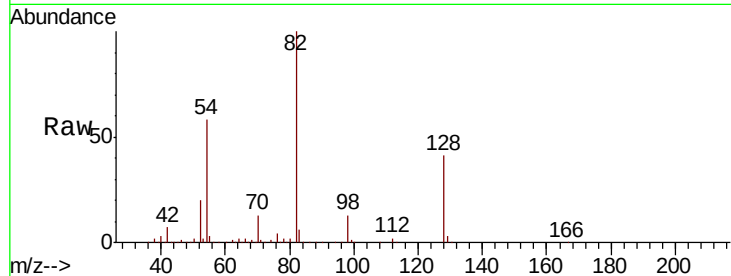




#23
Nitrobenzene-d5
Concen: 117.146 ng
RT: 9.35 min Scan# 1066
Delta R.T. -0.01 min
Lab File: BG039482.D
Acq: 13 Feb 2019 3:11

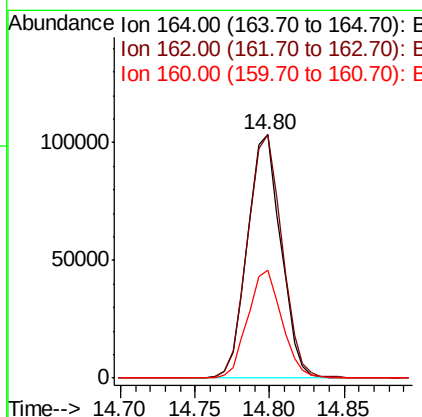
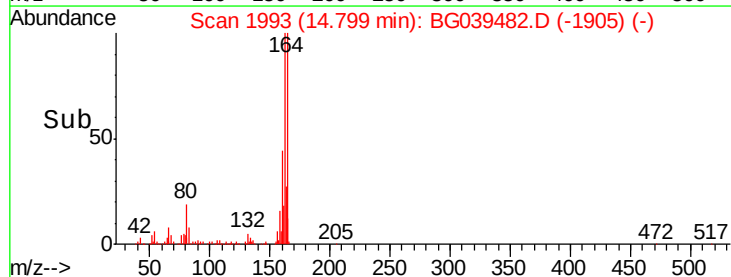
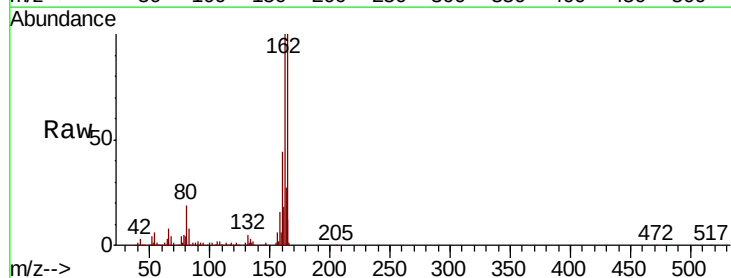
Instrument :
BNA_G
ClientSampleId :
IDW-SOIL-04

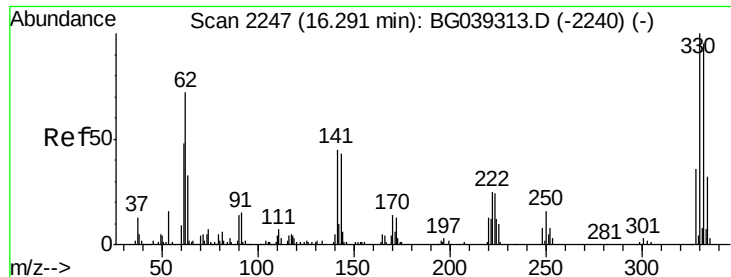
Tot Ion	82	Resp	433440
Ion Ratio	Lower	Upper	
82	100		
128	41.3	31.3	46.9
54	58.3	50.9	76.3



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.80 min Scan# 1993
Delta R.T. -0.01 min
Lab File: BG039482.D
Acq: 13 Feb 2019 3:11

Tgt Ion	164	Resp	159996
Ion Ratio	Lower	Upper	
164	100		
162	100.0	81.6	122.4
160	44.1	34.2	51.2





#42

2,4,6-Tribromophenol

Concen: 152.294 ng

RT: 16.28 min Scan# 2245

Delta R.T. -0.01 min

Lab File: BG039482.D

Acq: 13 Feb 2019 3:11

Instrument :

BNA_G

ClientSampleId :

IDW-SOIL-04

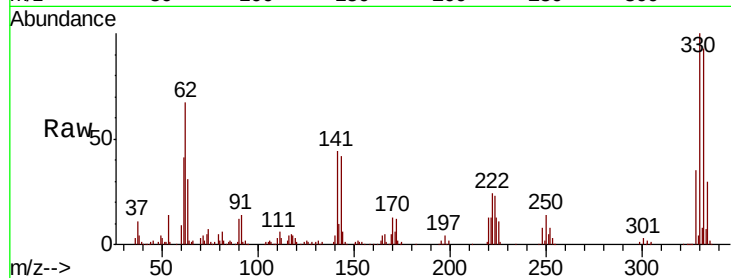
Tot Ion:330 Resp: 262384

Ion Ratio Lower Upper

330 100

332 97.0 75.7 113.5

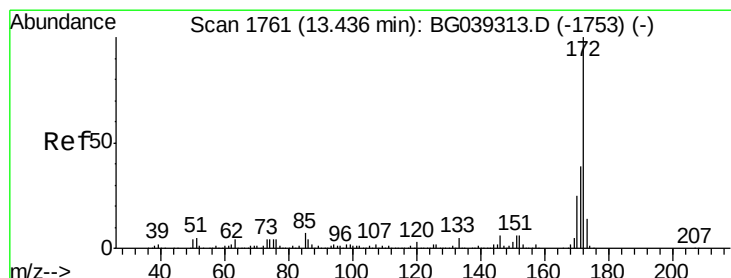
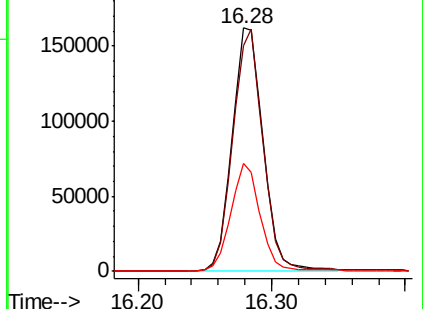
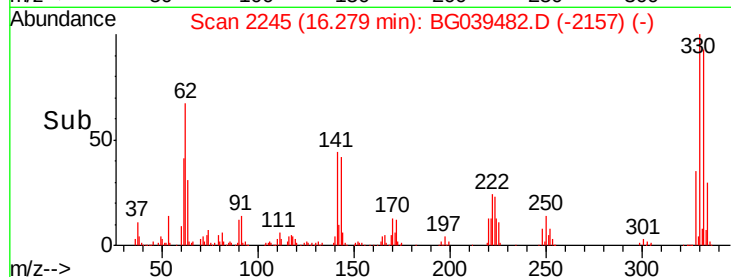
141 42.6 35.6 53.4



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: 91.866 ng

RT: 13.42 min Scan# 1759

Delta R.T. -0.01 min

Lab File: BG039482.D

Acq: 13 Feb 2019 3:11

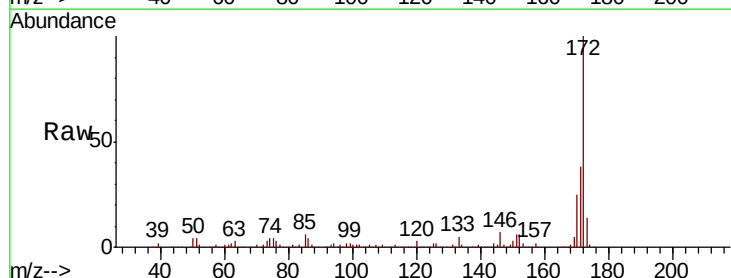
Tgt Ion:172 Resp: 1024583

Ion Ratio Lower Upper

172 100

171 38.2 30.8 46.2

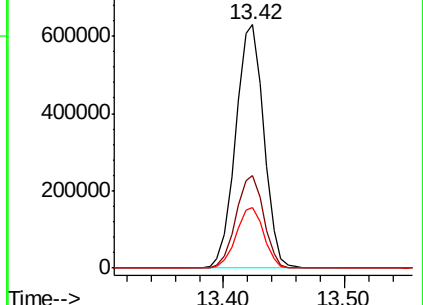
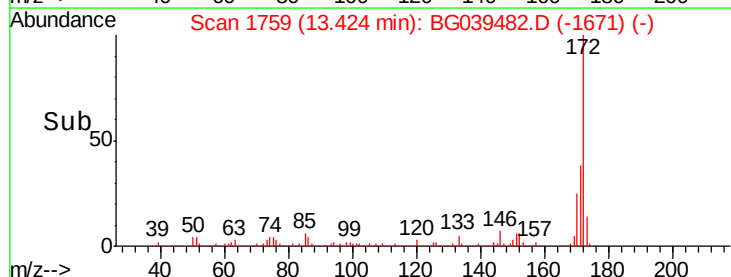
170 24.9 20.2 30.4

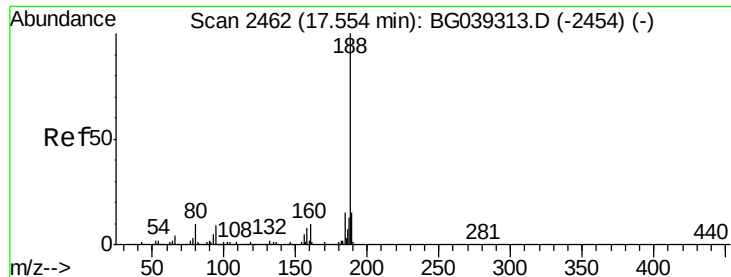


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.54 min Scan# 2460

Delta R.T. -0.01 min

Lab File: BG039482.D

Acq: 13 Feb 2019 3:11

Instrument :

BNA_G

ClientSampleId :

IDW-SOIL-04

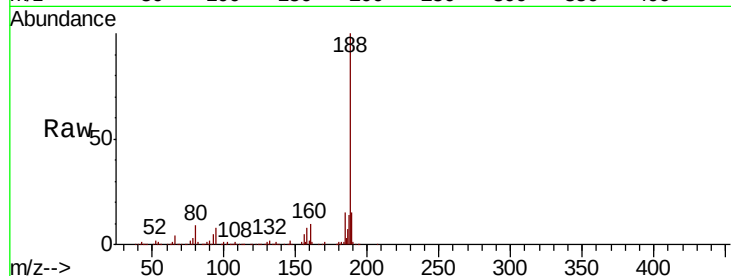
Tot Ion:188 Resp: 386248

Ion Ratio Lower Upper

188 100

94 8.0 6.9 10.3

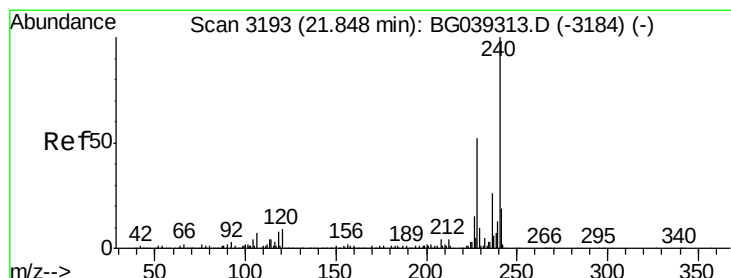
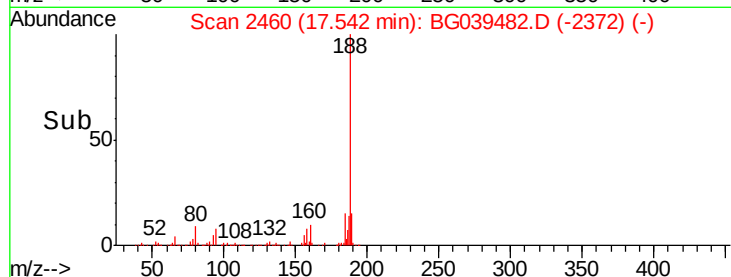
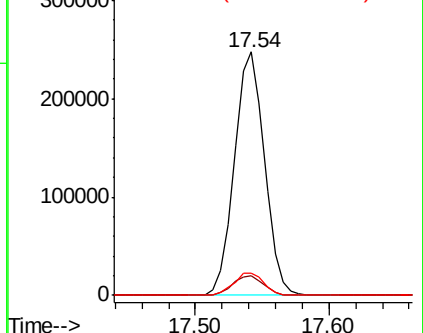
80 8.9 8.1 12.1



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: 21.83 min Scan# 3190

Delta R.T. -0.02 min

Lab File: BG039482.D

Acq: 13 Feb 2019 3:11

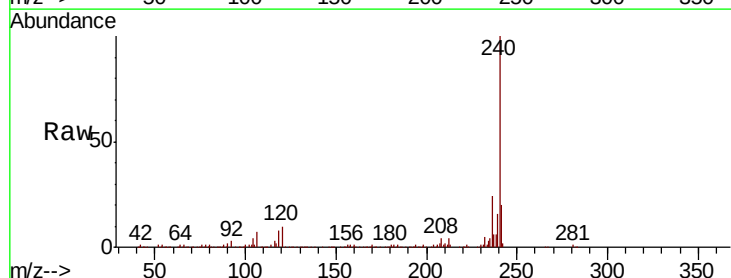
Tgt Ion:240 Resp: 404743

Ion Ratio Lower Upper

240 100

120 9.6 7.0 10.6

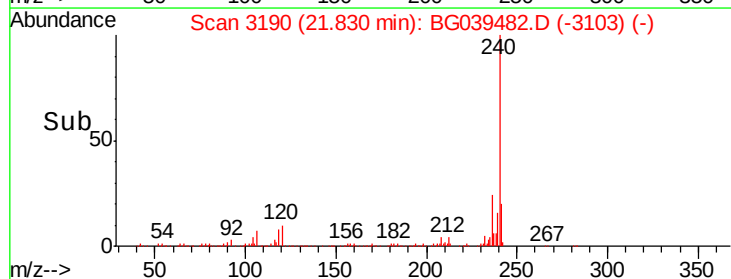
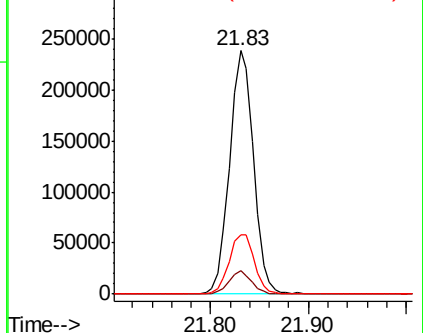
236 24.5 21.0 31.4

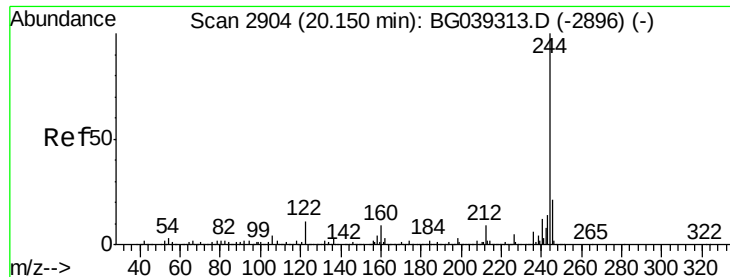


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#79

Terphenyl-d14

Concen: 86.489 ng

RT: 20.13 min Scan# 2901

Delta R.T. -0.02 min

Lab File: BG039482.D

Acq: 13 Feb 2019 3:11

Instrument :

BNA_G

ClientSampleId :

IDW-SOIL-04

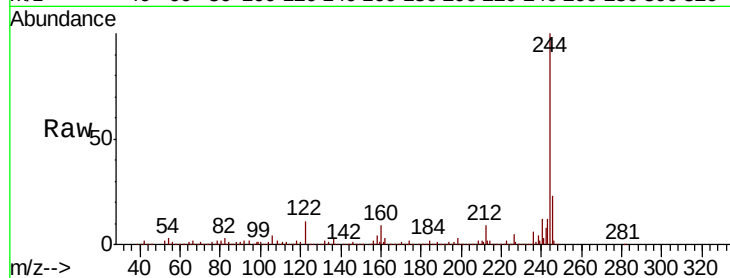
Tot Ion:244 Resp: 1653798

Ion Ratio Lower Upper

244 100

212 9.3 7.3 10.9

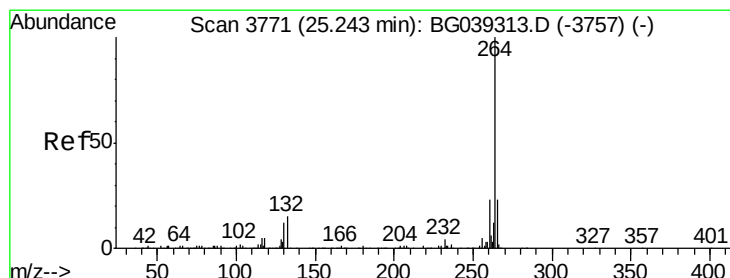
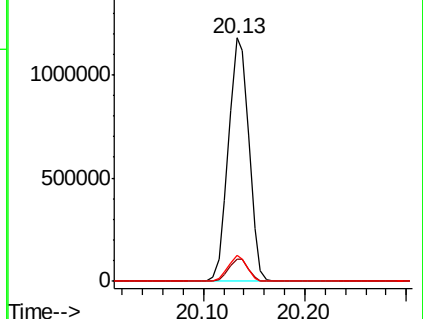
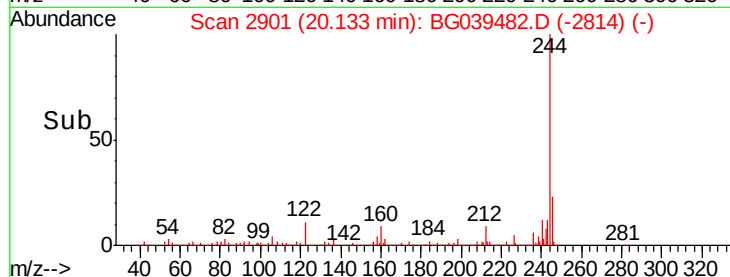
122 10.5 8.4 12.6



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: 25.22 min Scan# 3767

Delta R.T. -0.02 min

Lab File: BG039482.D

Acq: 13 Feb 2019 3:11

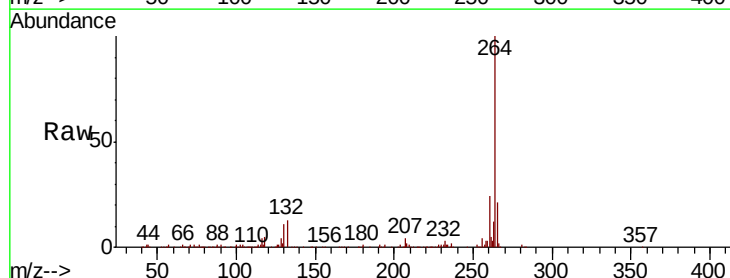
Tgt Ion:264 Resp: 400559

Ion Ratio Lower Upper

264 100

260 24.5 18.2 27.4

265 21.2 18.5 27.7



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

