

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG021219\
 Data File : BG039473.D
 Acq On : 12 Feb 2019 21:13
 Operator : JU/SJ
 Sample : K1457-01
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 IDW-SOIL-01

Quant Time: Feb 13 01:12:48 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	8.18	152	49367	20.00	ng	0.00
21) Naphthalene-d8	11.00	136	212890	20.00	ng	-0.01
39) Acenaphthene-d10	14.80	164	149611	20.00	ng	-0.01
64) Phenanthrene-d10	17.54	188	374399	20.00	ng	-0.01
76) Chrysene-d12	21.83	240	385435	20.00	ng	-0.02
87) Perylene-d12	25.21	264	379328	20.00	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.71	112	370429	128.42	ng	0.00
7) Phenol-d6	7.31	99	504759	118.88	ng	0.00
23) Nitrobenzene-d5	9.35	82	350549	102.87	ng	-0.01
42) 2,4,6-Tribromophenol	16.28	330	248585	154.30	ng	0.00
45) 2-Fluorobiphenyl	13.42	172	857816	82.25	ng	-0.01
79) Terphenyl-d14	20.14	244	1470436	80.75	ng	-0.01

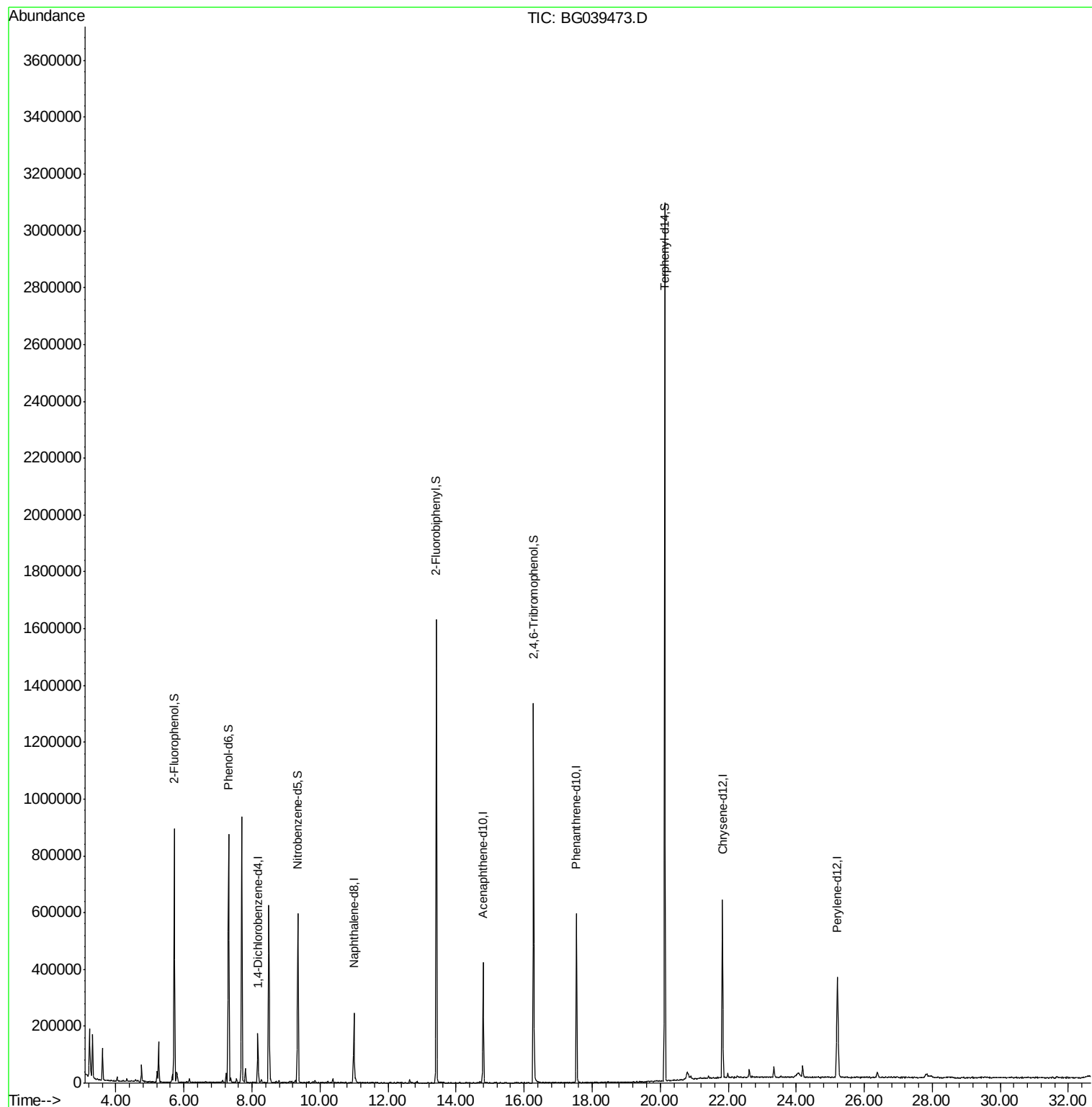
Target Compounds Qvalue

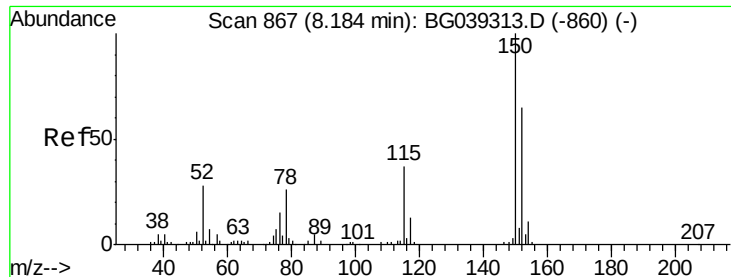
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 8.18 min Scan# 866

Delta R.T. -0.01 min

Lab File: BG039473.D

Acq: 12 Feb 2019 21:13

Instrument :

BNA_G

ClientSampleId :

IDW-SOIL-01

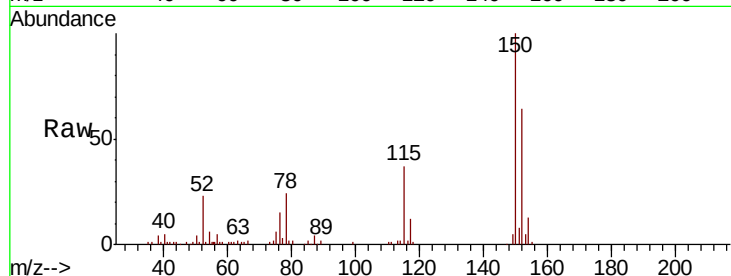
Tot Ion:152 Resp: 49367

Ion Ratio Lower Upper

152 100

150 155.2 123.7 185.5

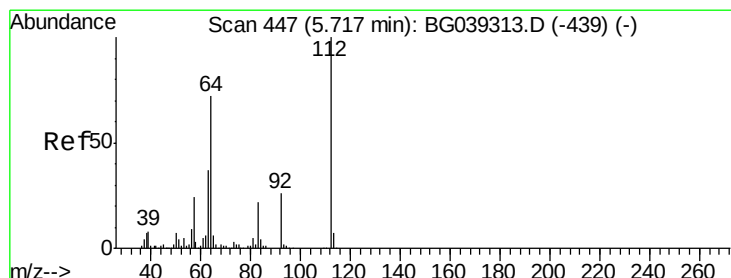
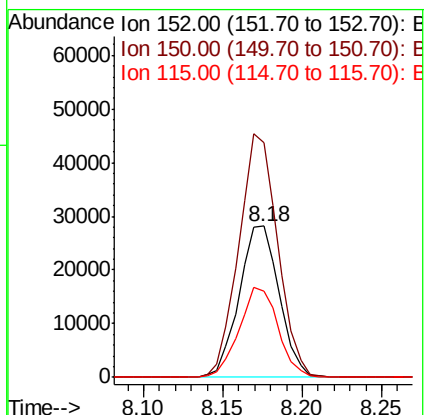
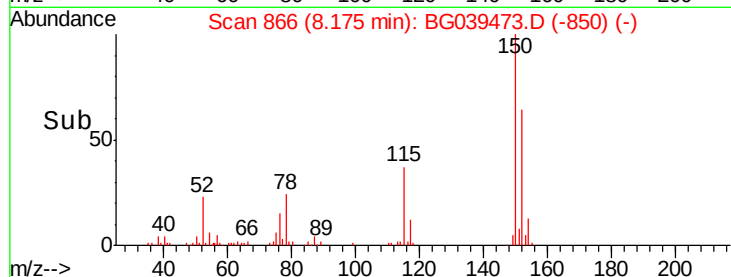
115 57.1 45.9 68.9



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: 128.424 ng

RT: 5.71 min Scan# 447

Delta R.T. -0.00 min

Lab File: BG039473.D

Acq: 12 Feb 2019 21:13

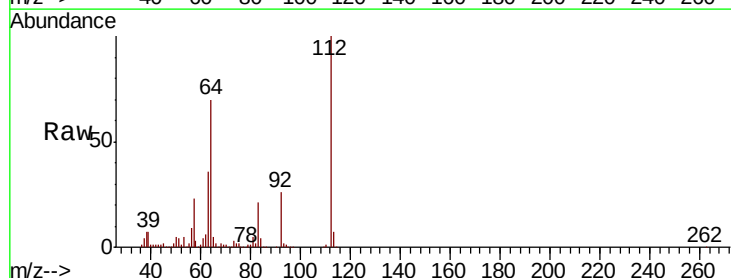
Tgt Ion:112 Resp: 370429

Ion Ratio Lower Upper

112 100

64 69.6 57.8 86.8

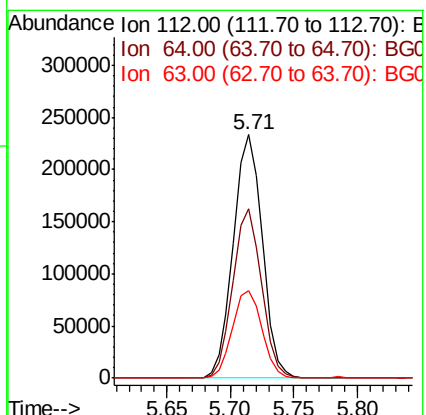
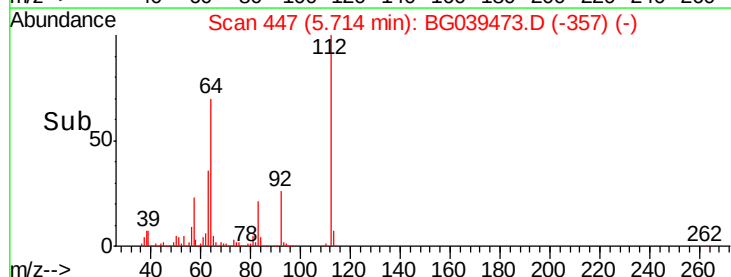
63 35.7 29.8 44.6

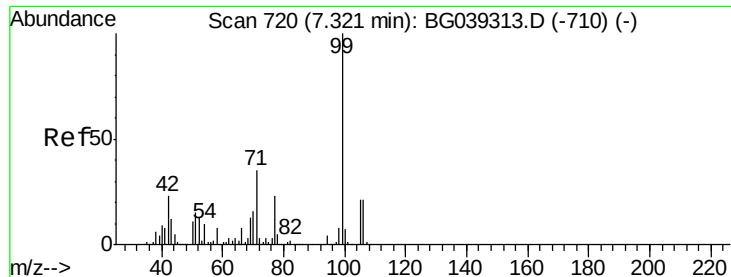


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BGC

Ion 63.00 (62.70 to 63.70): BGC





#7

Phenol-d6

Concen: 118.885 ng

RT: 7.31 min Scan# 719

Delta R.T. -0.01 min

Lab File: BG039473.D

Acq: 12 Feb 2019 21:13

Instrument :

BNA_G

ClientSampleId :

IDW-SOIL-01

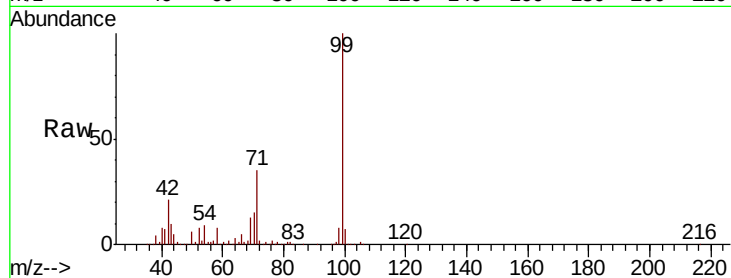
Tot Ion: 99 Resp: 504759

Ion Ratio Lower Upper

99 100

42 20.7 18.2 27.2

71 34.7 28.0 42.0

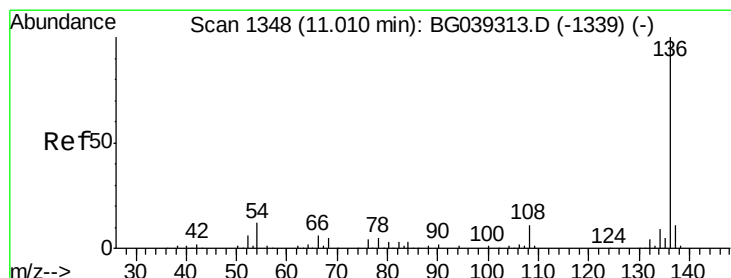
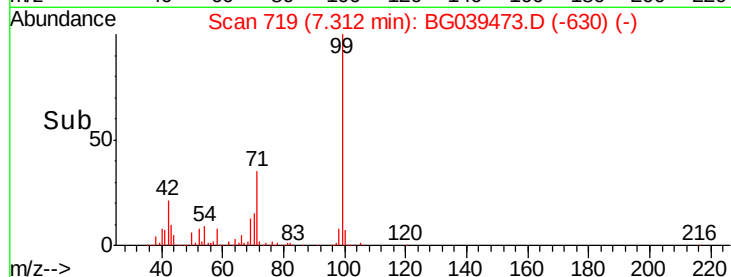
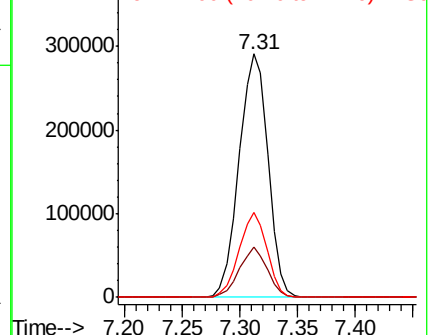


Abundance

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: 11.00 min Scan# 1346

Delta R.T. -0.01 min

Lab File: BG039473.D

Acq: 12 Feb 2019 21:13

Tgt Ion: 136 Resp: 212890

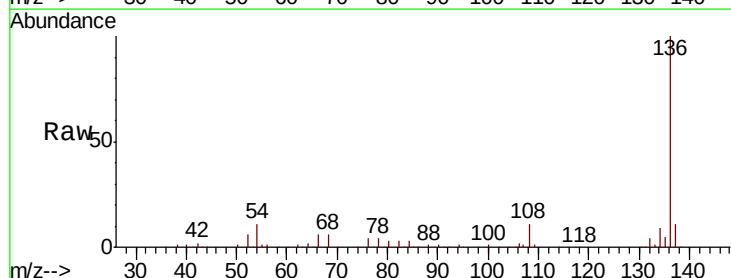
Ion Ratio Lower Upper

136 100

137 10.6 9.1 13.7

54 11.5 9.4 14.2

68 6.1 4.2 6.4



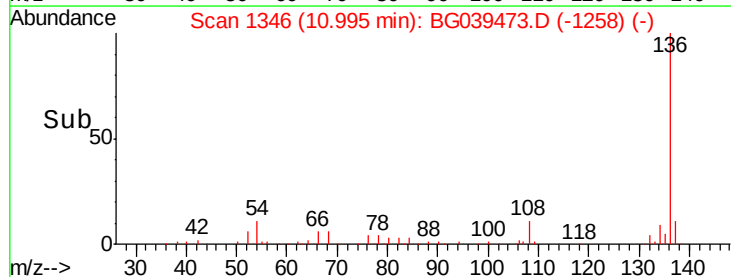
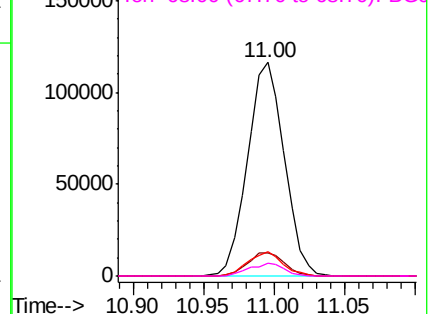
Abundance

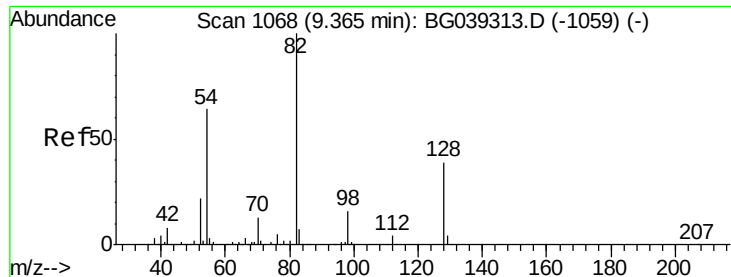
Ion 136.00 (135.70 to 136.70): BGC

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: 102.867 ng

RT: 9.35 min Scan# 1066

Delta R.T. -0.01 min

Lab File: BG039473.D

Acq: 12 Feb 2019 21:13

Instrument :

BNA_G

ClientSampleId :

IDW-SOIL-01

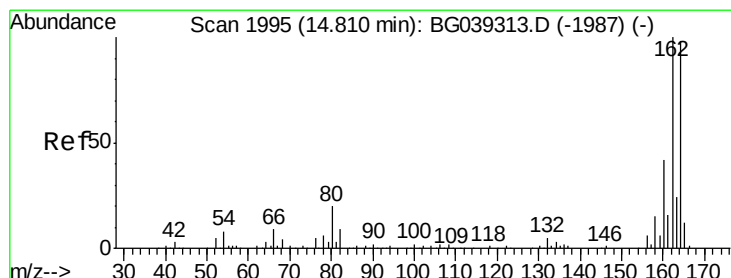
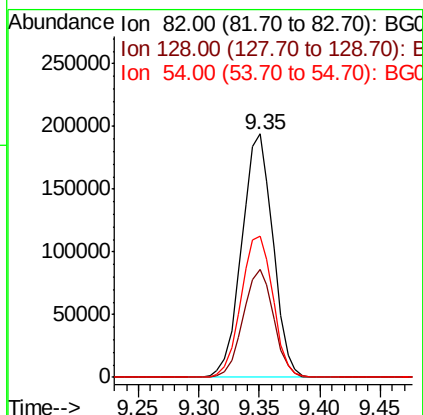
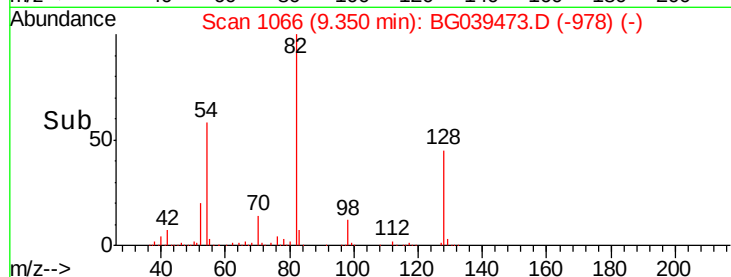
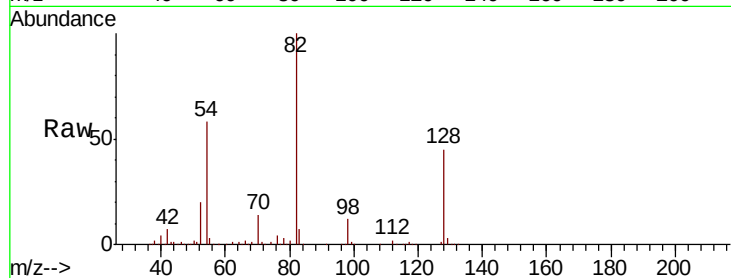
Tot Ion: 82 Resp: 350549

Ion Ratio Lower Upper

82 100

128 44.5 31.3 46.9

54 58.2 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: BG039473.D

Acq: 12 Feb 2019 21:13

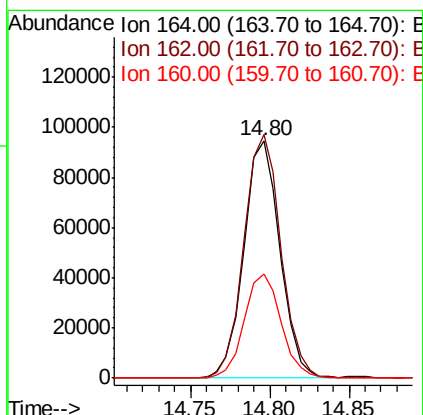
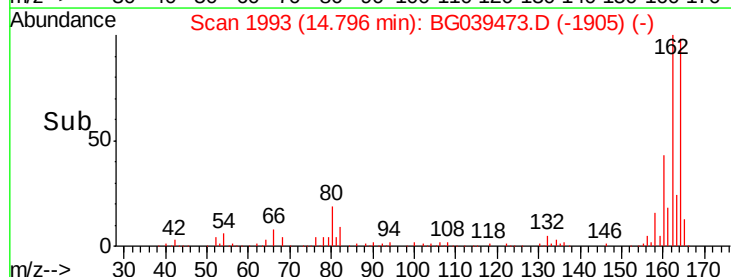
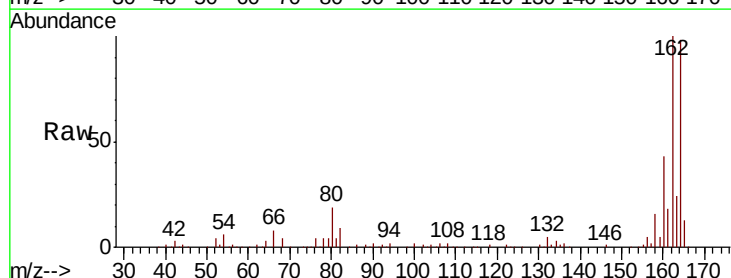
Tgt Ion: 164 Resp: 149611

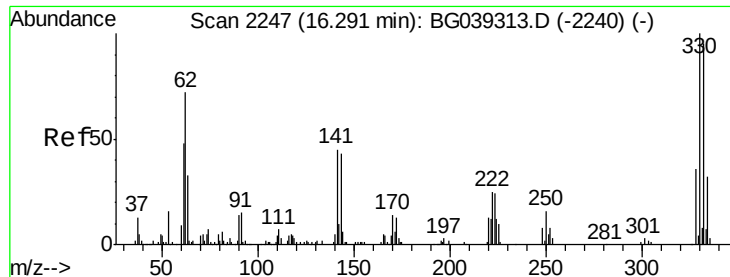
Ion Ratio Lower Upper

164 100

162 102.4 81.6 122.4

160 44.0 34.2 51.2

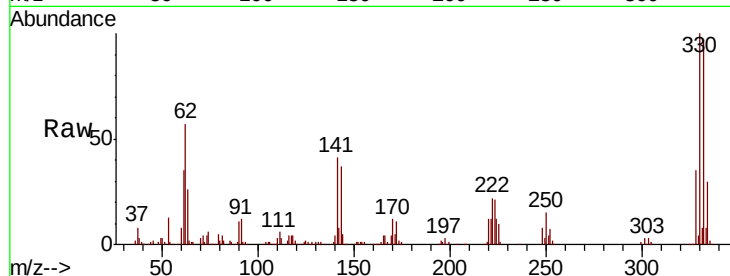




#42
 2,4,6-Tribromophenol
 Concen: 154.300 ng
 RT: 16.28 min Scan# 2246
 Delta R.T. -0.01 min
 Lab File: BG039473.D
 Acq: 12 Feb 2019 21:13

Instrument :
 BNA_G
 ClientSampleId :
 IDW-SOIL-01

Tot Ion	Ratio	Lower	Upper
330	100		
332	95.7	75.7	113.5
141	40.9	35.6	53.4

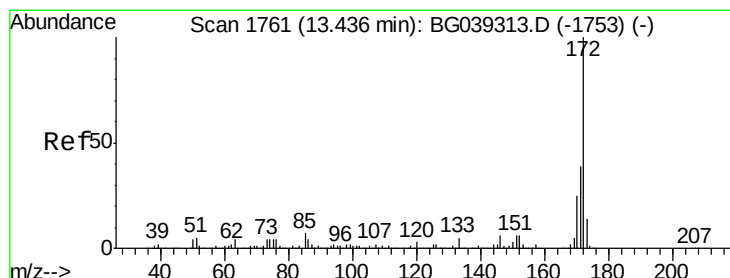
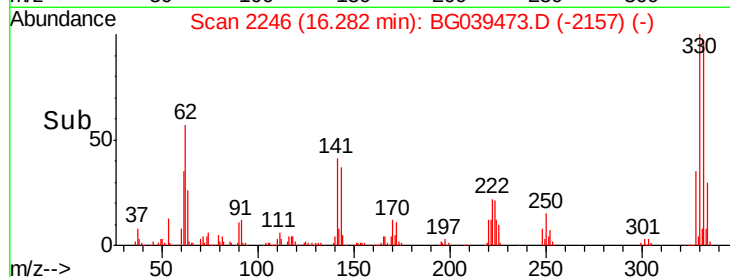
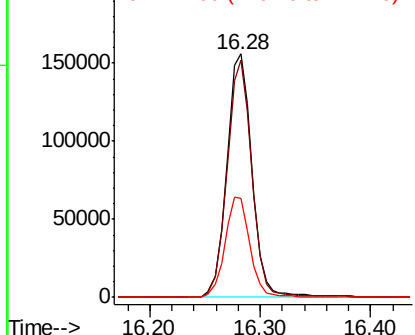


Abundance

Ion 329.80 (329.50 to 330.50): E

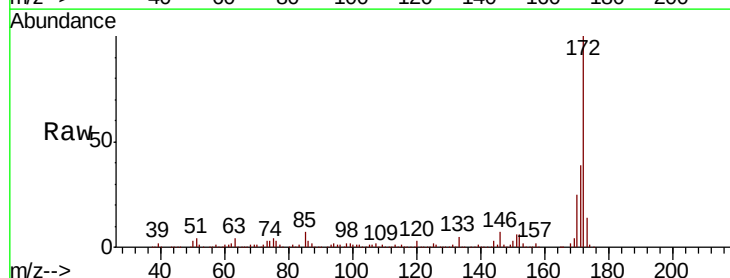
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#45
 2-Fluorobiphenyl
 Concen: 82.252 ng
 RT: 13.42 min Scan# 1759
 Delta R.T. -0.01 min
 Lab File: BG039473.D
 Acq: 12 Feb 2019 21:13

Tgt Ion	Ratio	Lower	Upper
172	100		
171	38.6	30.8	46.2
170	25.5	20.2	30.4

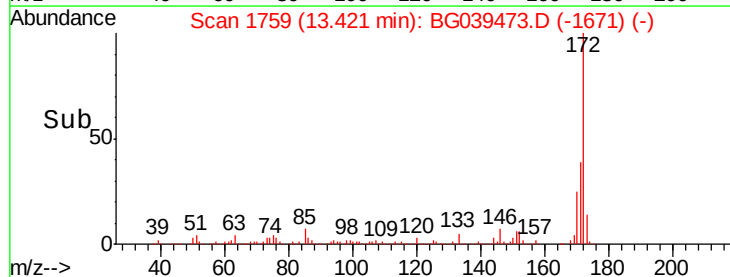
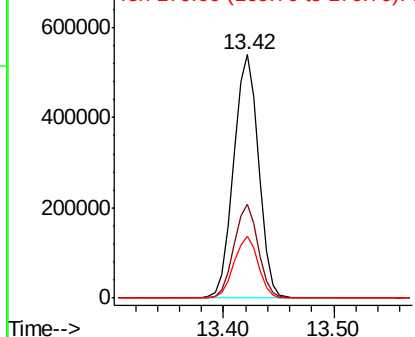


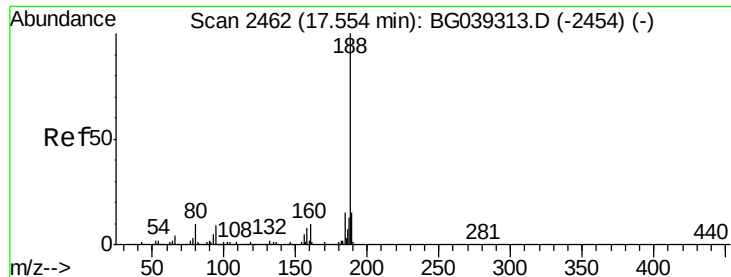
Abundance

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: BG039473.D

Acq: 12 Feb 2019 21:13

Instrument :

BNA_G

ClientSampleId :

IDW-SOIL-01

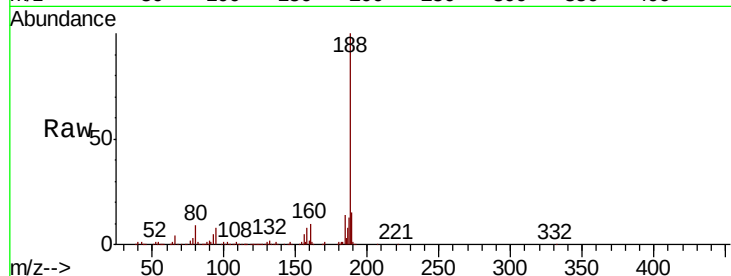
Tot Ion:188 Resp: 374399

Ion Ratio Lower Upper

188 100

94 7.9 6.9 10.3

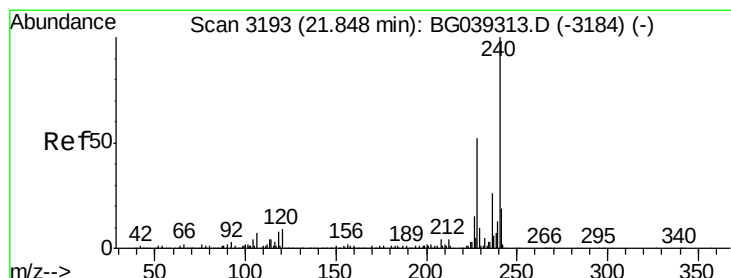
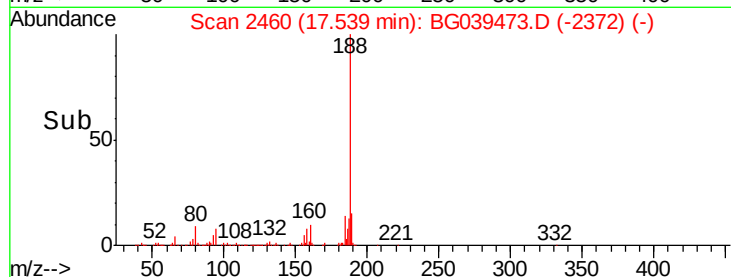
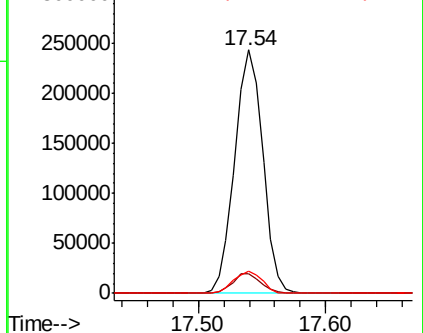
80 8.9 8.1 12.1



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: BG039473.D

Acq: 12 Feb 2019 21:13

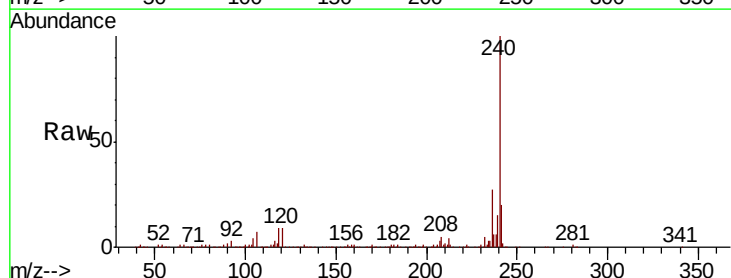
Tgt Ion:240 Resp: 385435

Ion Ratio Lower Upper

240 100

120 9.3 7.0 10.6

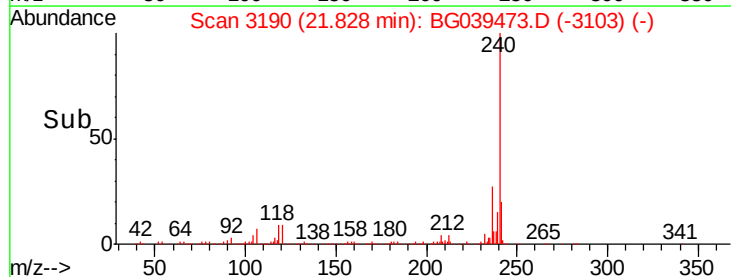
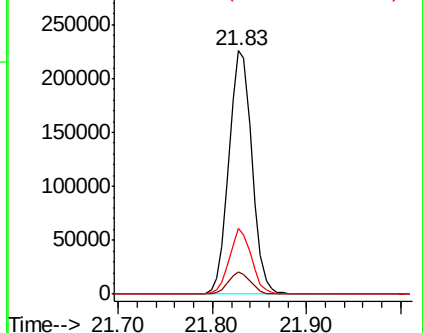
236 26.8 21.0 31.4

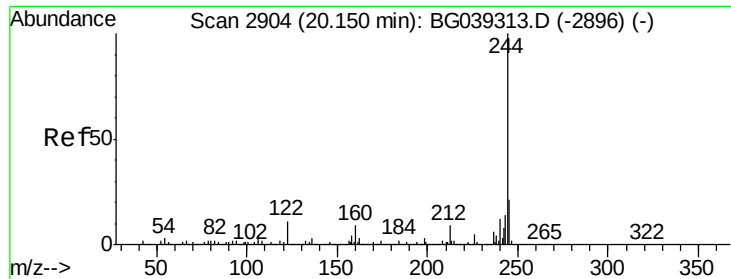


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#79

Terphenyl-d14

Concen: 80.752 ng

RT: 20.14 min Scan# 2902

Delta R.T. -0.01 min

Lab File: BG039473.D

Acq: 12 Feb 2019 21:13

Instrument :

BNA_G

ClientSampleId :

IDW-SOIL-01

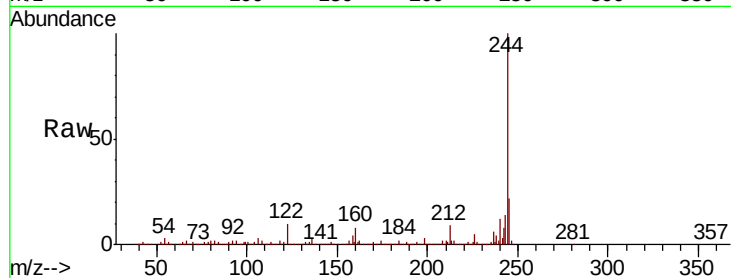
Tot Ion:244 Resp: 1470436

Ion Ratio Lower Upper

244 100

212 9.1 7.3 10.9

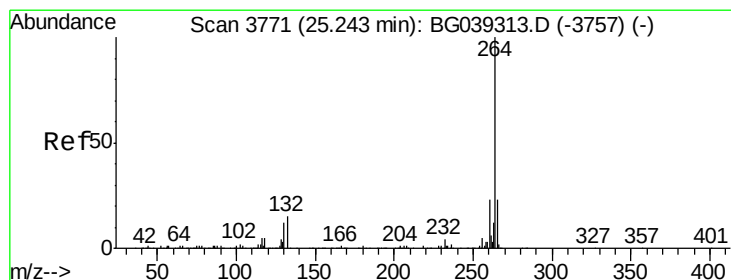
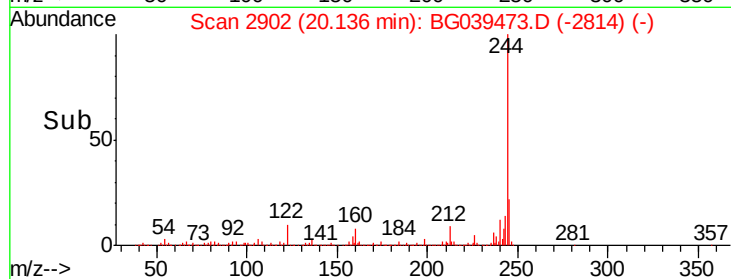
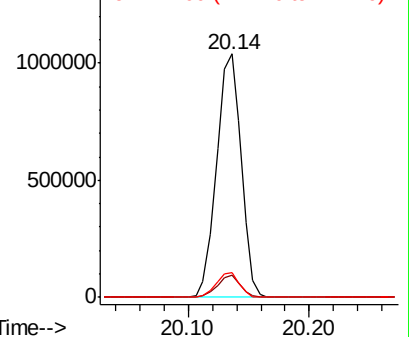
122 10.0 8.4 12.6



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: 25.21 min Scan# 3766

Delta R.T. -0.03 min

Lab File: BG039473.D

Acq: 12 Feb 2019 21:13

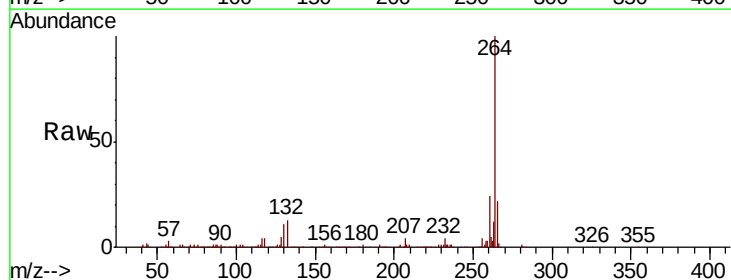
Tgt Ion:264 Resp: 379328

Ion Ratio Lower Upper

264 100

260 23.6 18.2 27.4

265 21.9 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

