

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG021219\
 Data File : BG039480.D
 Acq On : 13 Feb 2019 1:51
 Operator : JU/SJ
 Sample : K1457-02
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 IDW-SOIL-02

Quant Time: Feb 13 07:08:18 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	46855	20.00	ng	0.00
21) Naphthalene-d8	10.99	136	196782	20.00	ng	-0.02
39) Acenaphthene-d10	14.79	164	138763	20.00	ng	-0.02
64) Phenanthrene-d10	17.54	188	344980	20.00	ng	-0.02
76) Chrysene-d12	21.83	240	357802	20.00	ng	-0.02
87) Perylene-d12	25.22	264	353650	20.00	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.71	112	413459	151.03	ng	0.00
7) Phenol-d6	7.31	99	560796	139.16	ng	0.00
23) Nitrobenzene-d5	9.35	82	397861	126.31	ng	-0.01
42) 2,4,6-Tribromophenol	16.28	330	260115	174.08	ng	0.00
45) 2-Fluorobiphenyl	13.42	172	964545	99.72	ng	-0.02
79) Terphenyl-d14	20.13	244	1592921	94.23	ng	-0.02

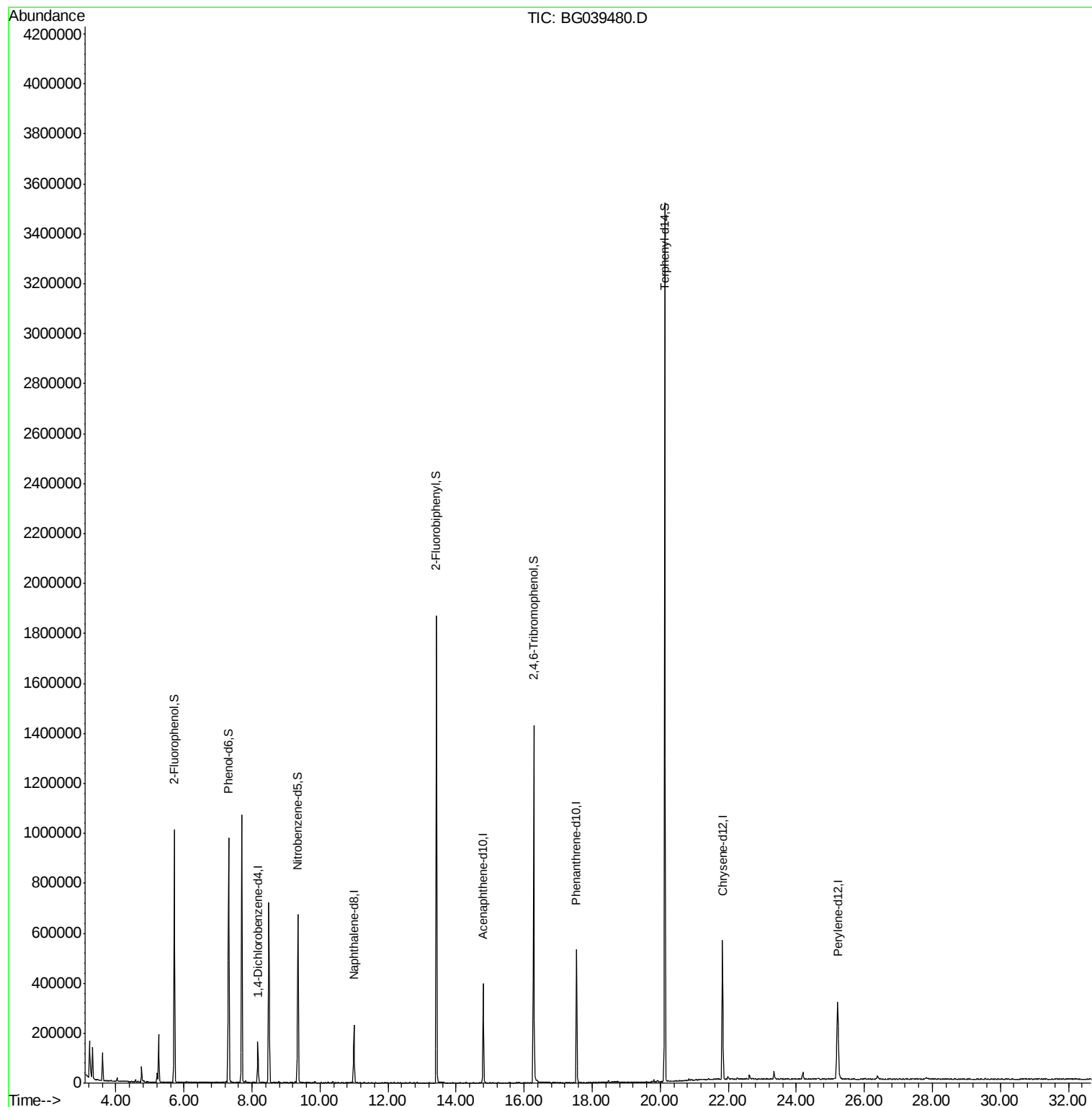
Target Compounds Qvalue

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

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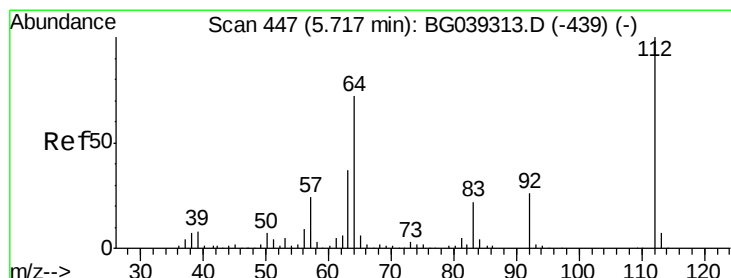
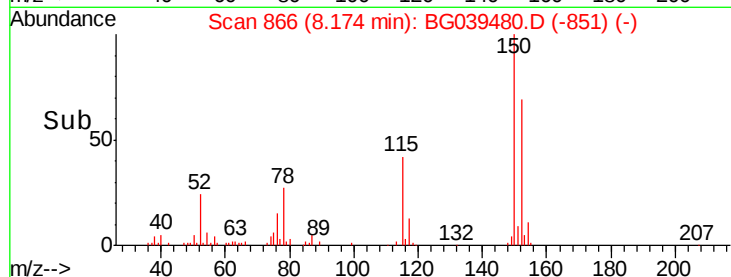
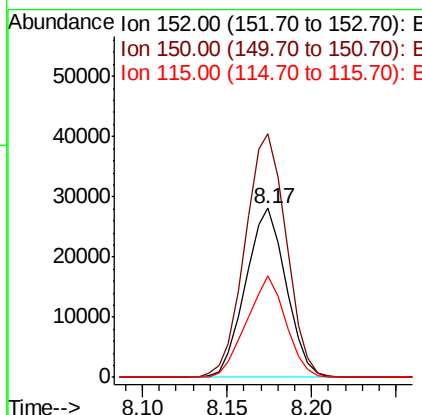
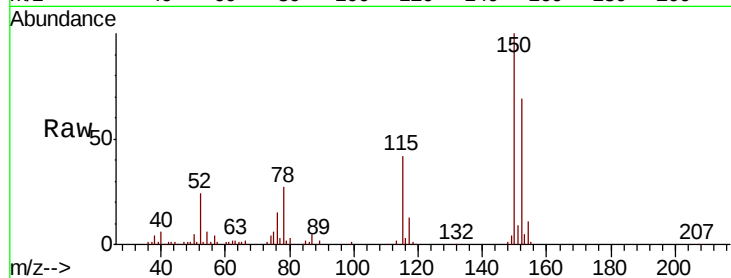


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.17 min Scan# 866
Delta R.T. -0.01 min
Lab File: BG039480.D
Acq: 13 Feb 2019 1:51

Instrument :
BNA_G
ClientSampleId :
IDW-SOIL-02

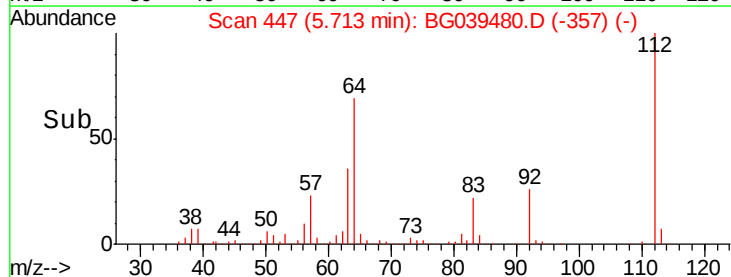
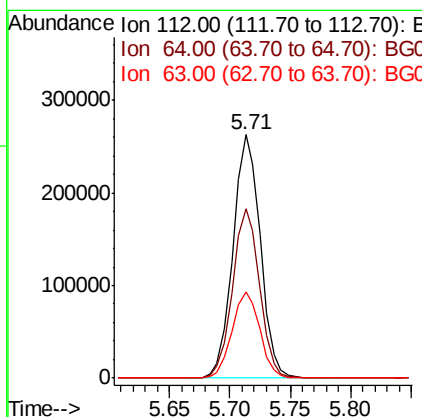
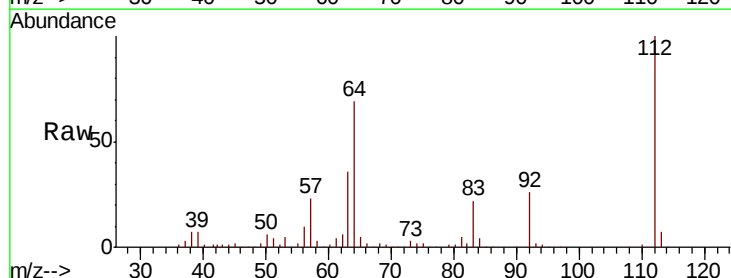
Tot Ion:152 Resp: 46855
Ion Ratio Lower Upper
152 100
150 144.0 123.7 185.5
115 60.0 45.9 68.9

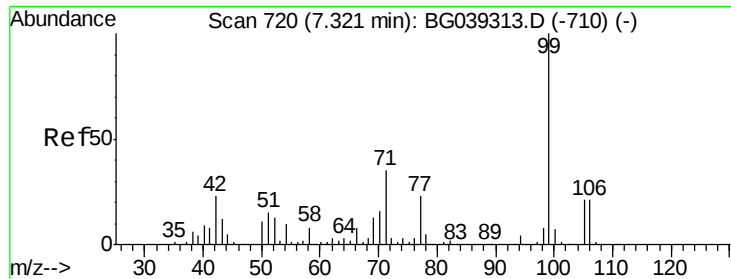


#5

2-Fluorophenol
Concen: 151.027 ng
RT: 5.71 min Scan# 447
Delta R.T. -0.00 min
Lab File: BG039480.D
Acq: 13 Feb 2019 1:51

Tgt Ion:112 Resp: 413459
Ion Ratio Lower Upper
112 100
64 69.4 57.8 86.8
63 35.6 29.8 44.6





#7

Phenol-d6

Concen: 139.165 ng

RT: 7.31 min Scan# 719

Delta R.T. -0.01 min

Lab File: BG039480.D

Acq: 13 Feb 2019 1:51

Instrument :

BNA_G

ClientSampleId :

IDW-SOIL-02

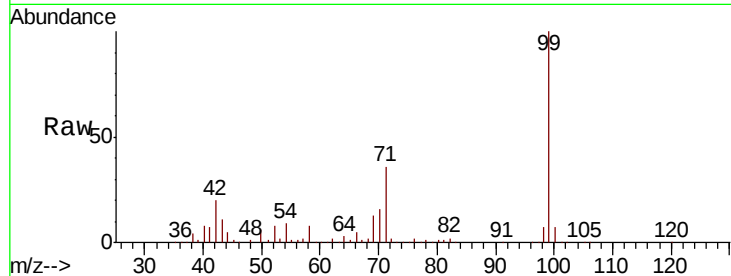
Tot Ion: 99 Resp: 560796

Ion Ratio Lower Upper

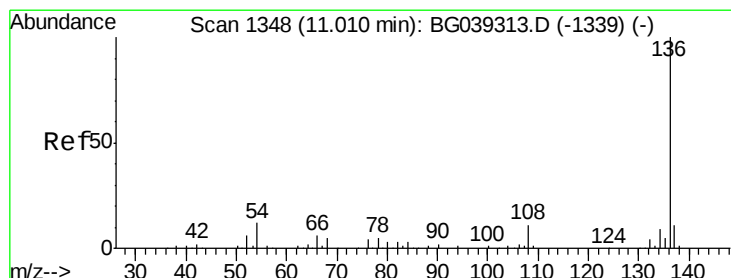
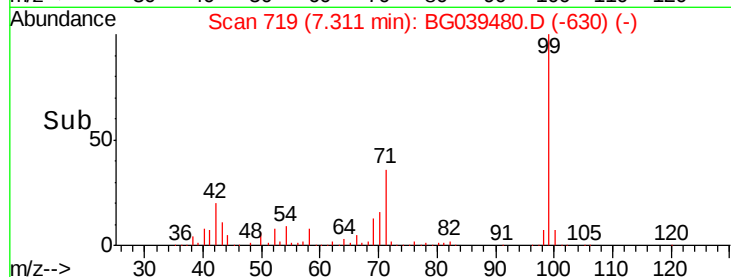
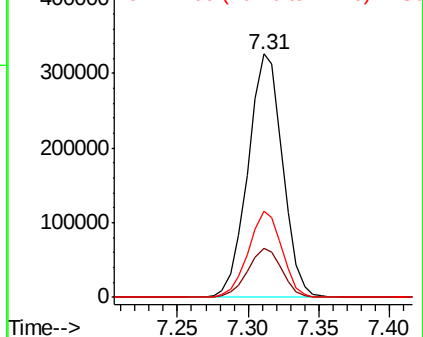
99 100

42 20.2 18.2 27.2

71 35.6 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: 10.99 min Scan# 1346

Delta R.T. -0.02 min

Lab File: BG039480.D

Acq: 13 Feb 2019 1:51

Tgt Ion: 136 Resp: 196782

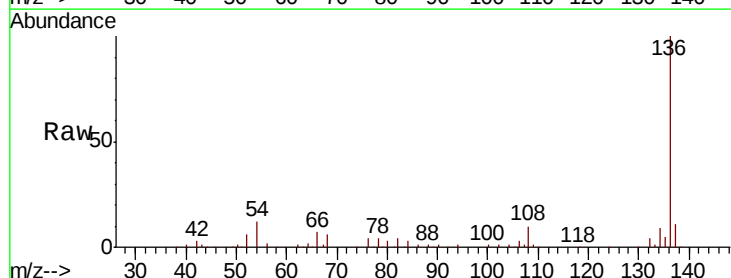
Ion Ratio Lower Upper

136 100

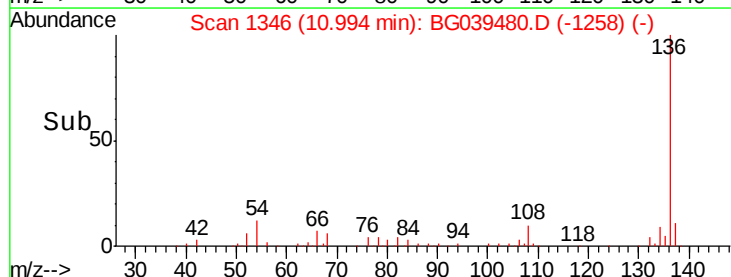
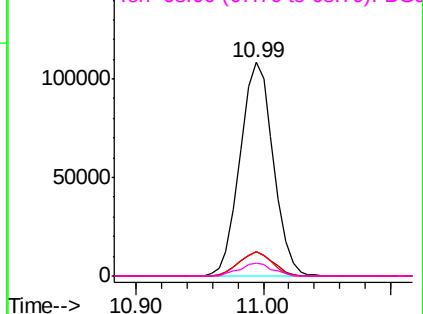
137 11.3 9.1 13.7

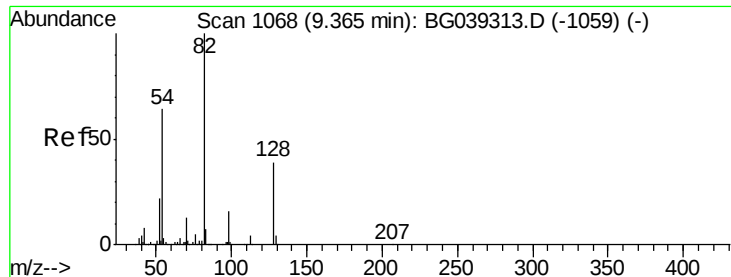
54 11.5 9.4 14.2

68 5.8 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

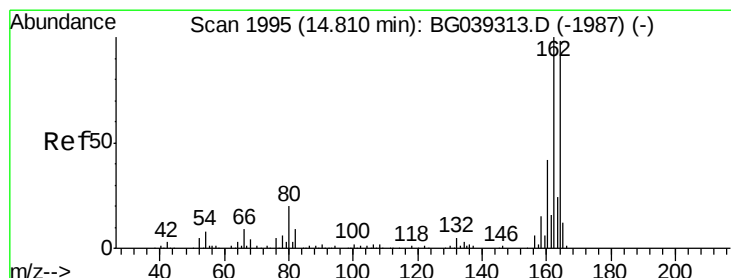
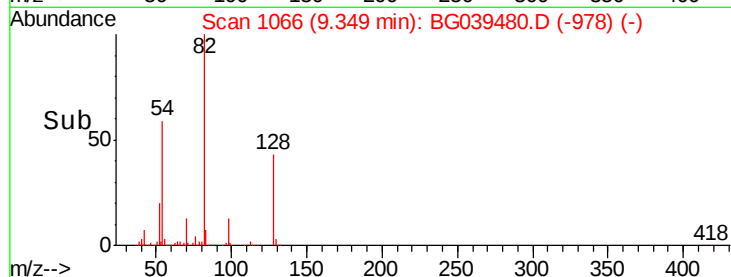
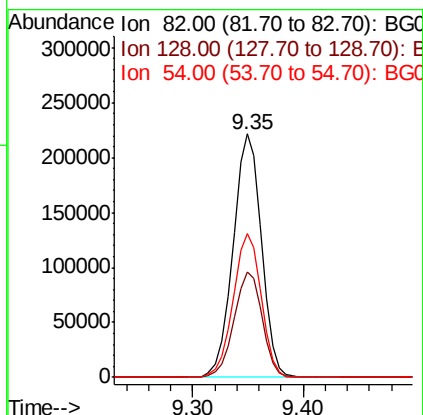
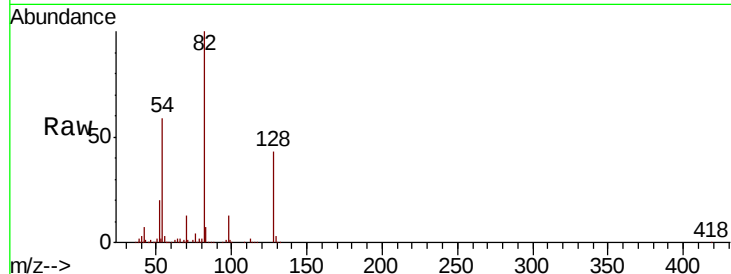




#23
 Nitrobenzene-d5
 Concen: 126.307 ng
 RT: 9.35 min Scan# 1066
 Delta R.T. -0.01 min
 Lab File: BG039480.D
 Acq: 13 Feb 2019 1:51

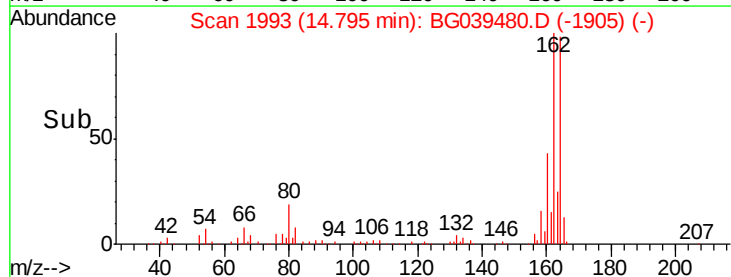
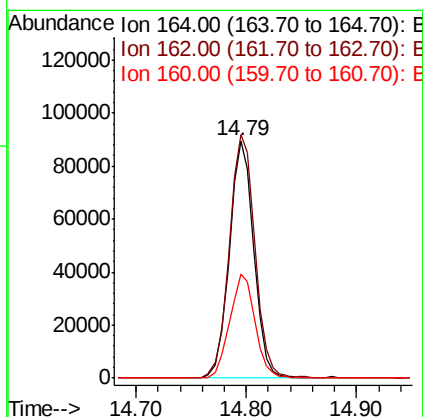
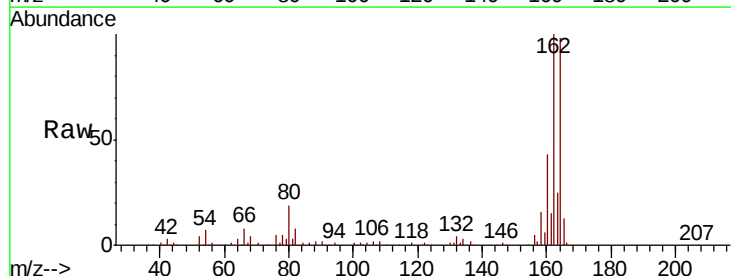
Instrument :
 BNA_G
 ClientSampleID :
 IDW-SOIL-02

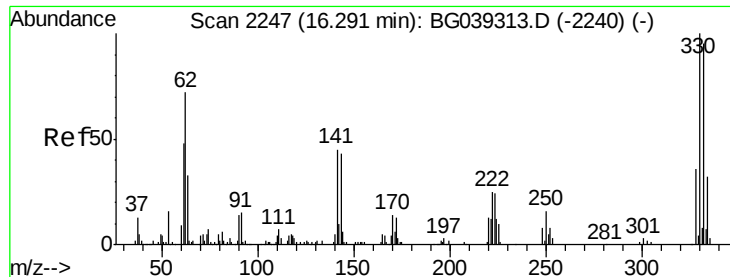
Tot Ion	82	Resp	397861
Ion Ratio	Lower	Upper	
82	100		
128	43.4	31.3	46.9
54	58.8	50.9	76.3



#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 14.79 min Scan# 1993
 Delta R.T. -0.02 min
 Lab File: BG039480.D
 Acq: 13 Feb 2019 1:51

Tgt Ion	164	Resp	138763
Ion Ratio	Lower	Upper	
164	100		
162	102.5	81.6	122.4
160	43.9	34.2	51.2

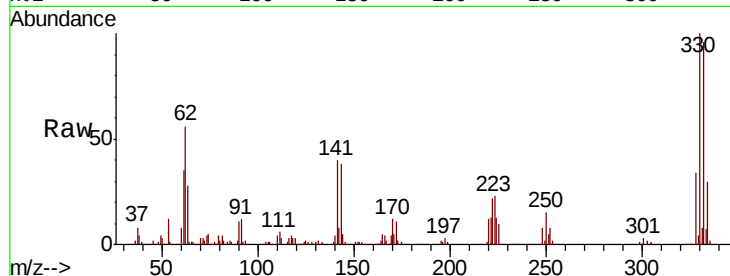




#42
 2,4,6-Tribromophenol
 Concen: 174.078 ng
 RT: 16.28 min Scan# 2246
 Delta R.T. -0.01 min
 Lab File: BG039480.D
 Acq: 13 Feb 2019 1:51

Instrument :
 BNA_G
 ClientSampleId :
 IDW-SOIL-02

Tot Ion	Ratio	Lower	Upper
330	100		
332	95.4	75.7	113.5
141	40.7	35.6	53.4

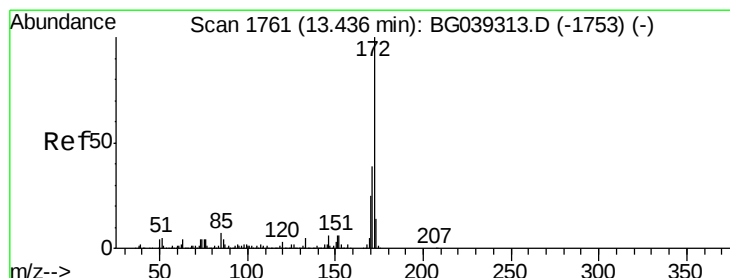
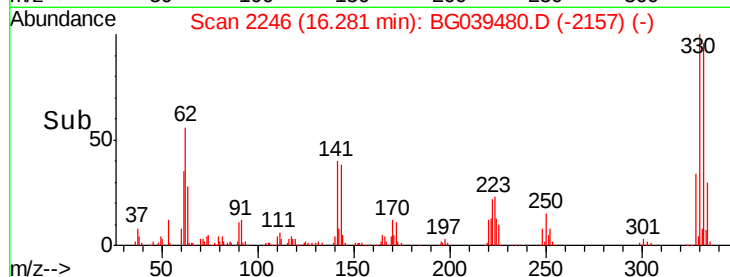
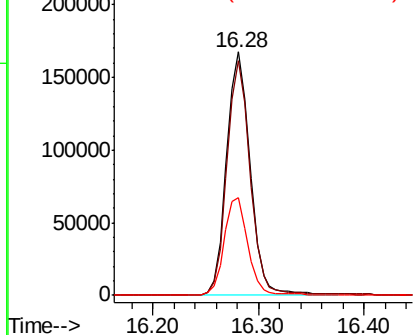


Abundance

Ion 329.80 (329.50 to 330.50): E

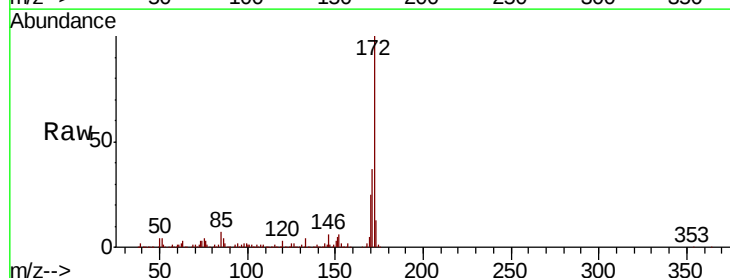
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#45
 2-Fluorobiphenyl
 Concen: 99.716 ng
 RT: 13.42 min Scan# 1759
 Delta R.T. -0.02 min
 Lab File: BG039480.D
 Acq: 13 Feb 2019 1:51

Tgt Ion	Ratio	Lower	Upper
172	100		
171	37.5	30.8	46.2
170	24.8	20.2	30.4

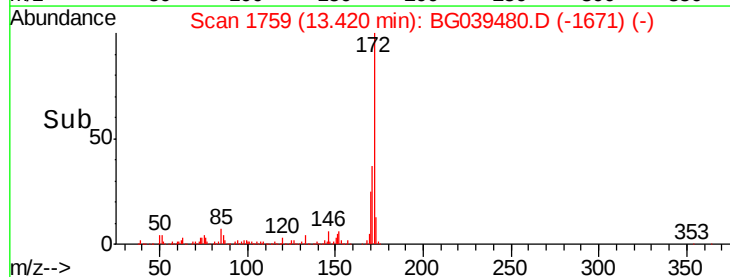
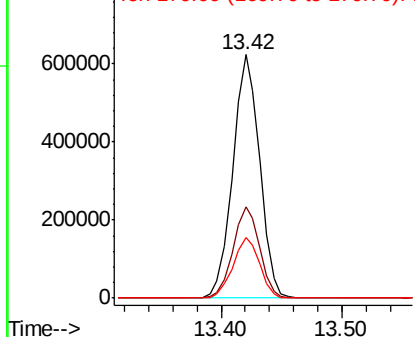


Abundance

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. -0.02 min

Lab File: BG039480.D

Acq: 13 Feb 2019 1:51

Instrument :

BNA_G

ClientSampleId :

IDW-SOIL-02

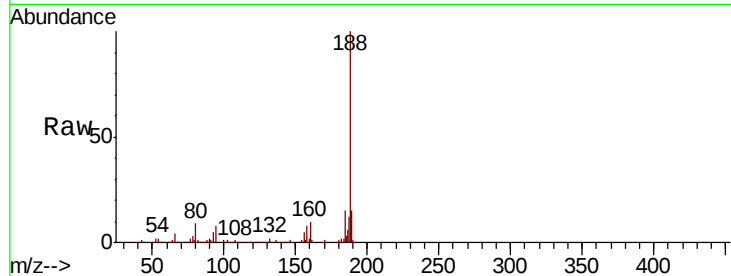
Tot Ion:188 Resp: 344980

Ion Ratio Lower Upper

188 100

94 8.0 6.9 10.3

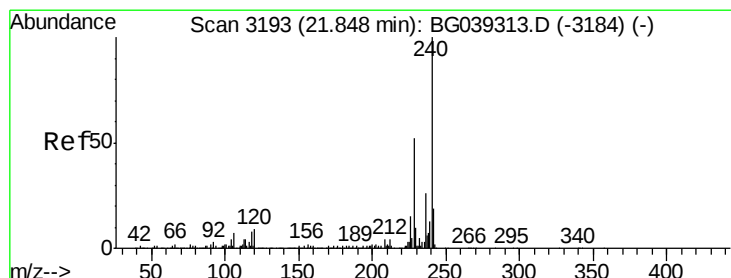
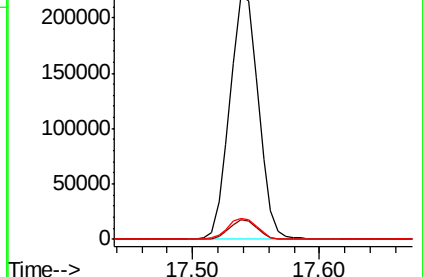
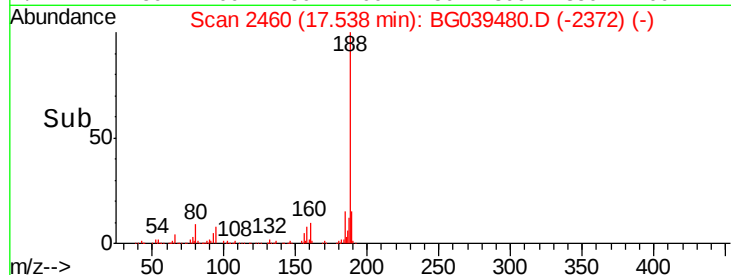
80 8.8 8.1 12.1



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BG

Ion 80.00 (79.70 to 80.70): BG



#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.83 min Scan# 3191

Delta R.T. -0.02 min

Lab File: BG039480.D

Acq: 13 Feb 2019 1:51

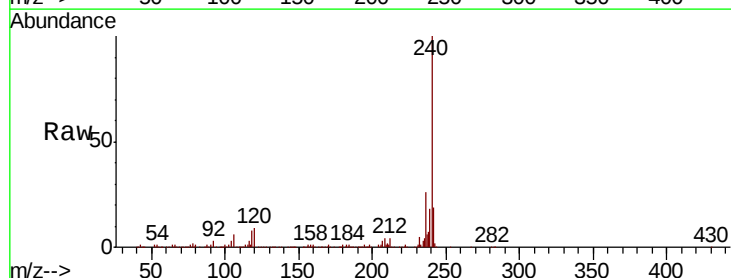
Tgt Ion:240 Resp: 357802

Ion Ratio Lower Upper

240 100

120 9.3 7.0 10.6

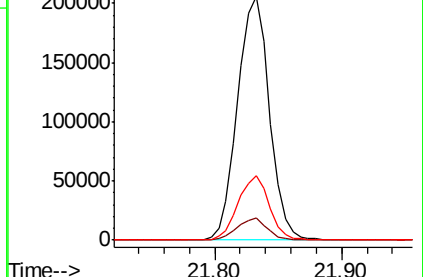
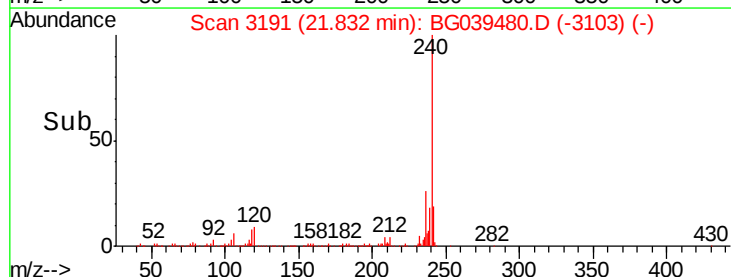
236 26.4 21.0 31.4



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: 94.234 ng

RT: 20.13 min Scan# 2902

Delta R.T. -0.02 min

Lab File: BG039480.D

Acq: 13 Feb 2019 1:51

Instrument :

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ClientSampleId :

IDW-SOIL-02

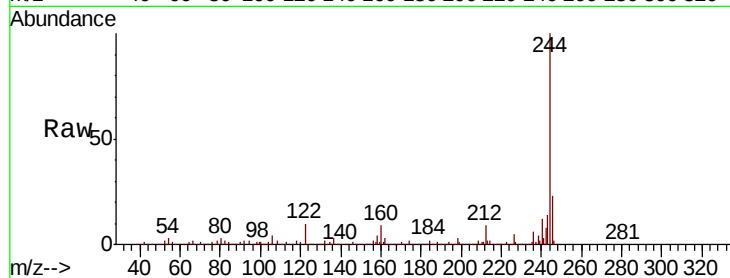
Tot Ion:244 Resp: 1592921

Ion Ratio Lower Upper

244 100

212 9.4 7.3 10.9

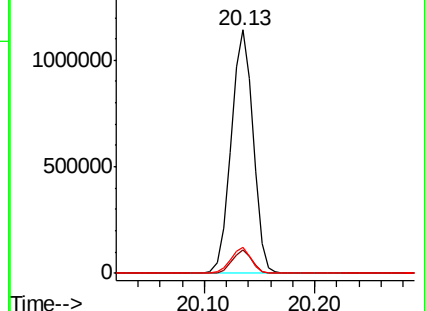
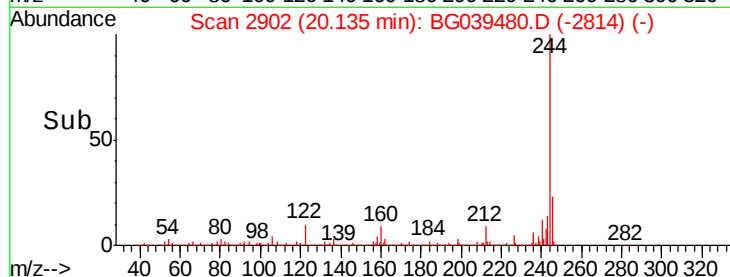
122 10.4 8.4 12.6



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. -0.03 min

Lab File: BG039480.D

Acq: 13 Feb 2019 1:51

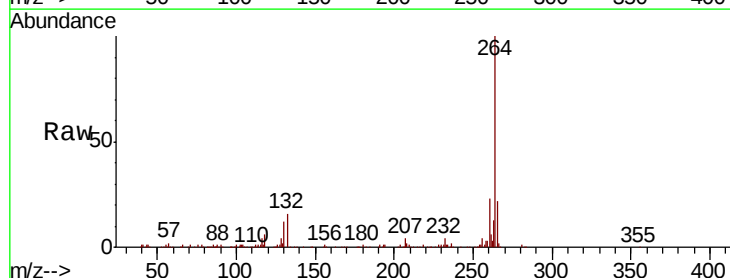
Tgt Ion:264 Resp: 353650

Ion Ratio Lower Upper

264 100

260 22.9 18.2 27.4

265 21.8 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

