

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG021219\
 Data File : BG039481.D
 Acq On : 13 Feb 2019 2:31
 Operator : JU/SJ
 Sample : K1457-03
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 IDW-SOIL-03

Quant Time: Feb 13 07:10:30 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	47816	20.00	ng	0.00
21) Naphthalene-d8	10.99	136	208551	20.00	ng	-0.02
39) Acenaphthene-d10	14.79	164	146640	20.00	ng	-0.02
64) Phenanthrene-d10	17.54	188	354052	20.00	ng	0.00
76) Chrysene-d12	21.83	240	373284	20.00	ng	-0.02
87) Perylene-d12	25.22	264	368901	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.71	112	435445	155.86	ng	0.00
7) Phenol-d6	7.31	99	590698	143.64	ng	0.00
23) Nitrobenzene-d5	9.35	82	412456	123.55	ng	-0.01
42) 2,4,6-Tribromophenol	16.28	330	270785	171.48	ng	0.00
45) 2-Fluorobiphenyl	13.42	172	983754	96.24	ng	-0.02
79) Terphenyl-d14	20.13	244	1645752	93.32	ng	-0.02

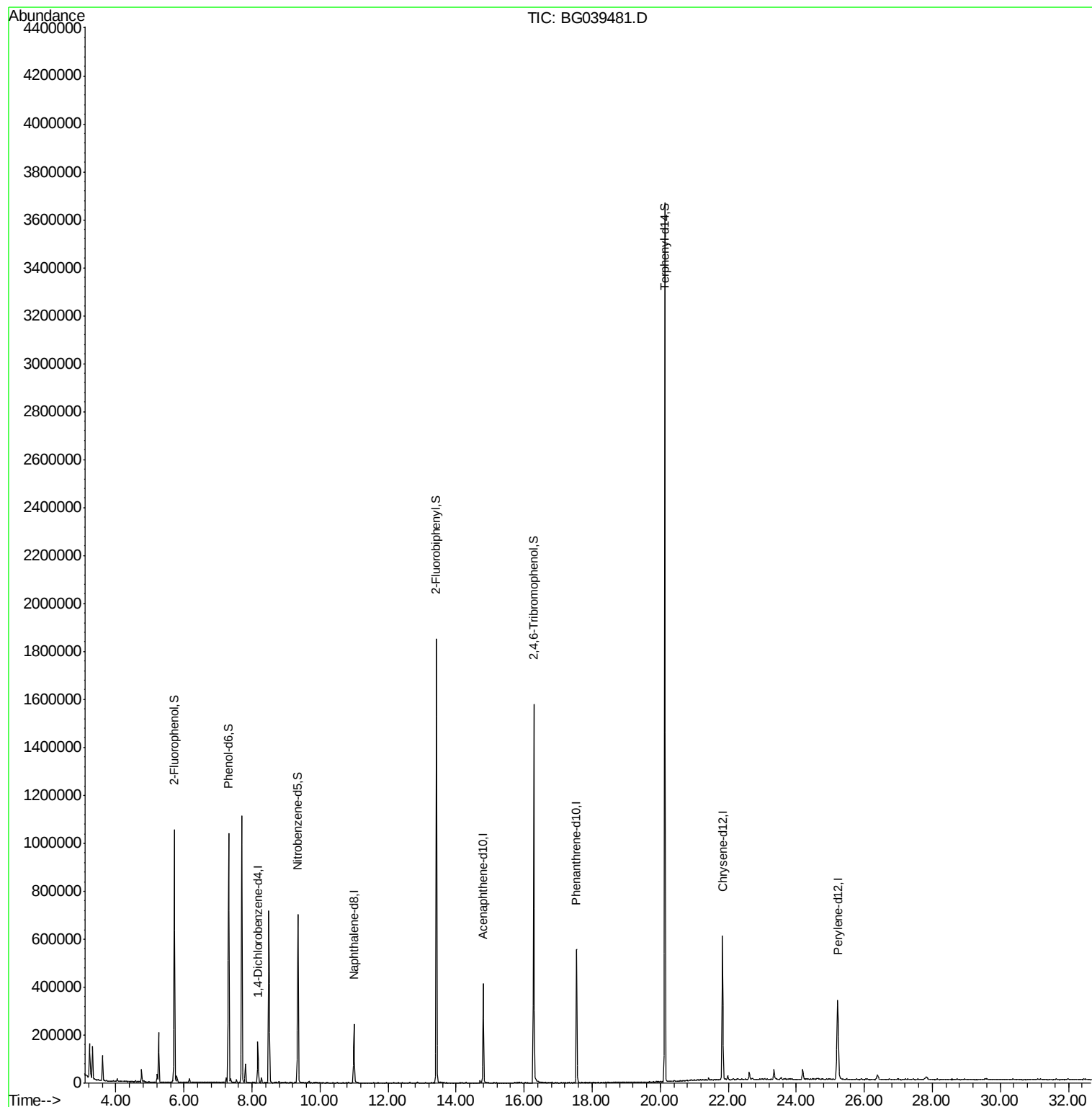
Target Compounds Qvalue

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

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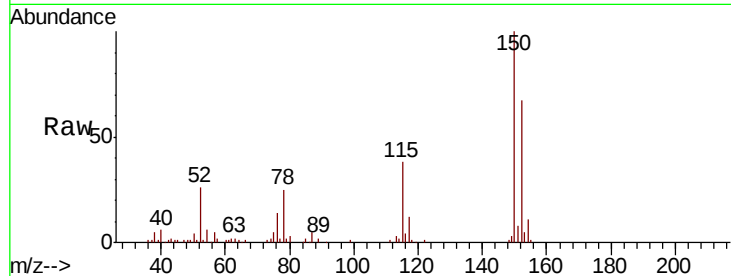


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.17 min Scan# 866
Delta R.T. -0.01 min
Lab File: BG039481.D
Acq: 13 Feb 2019 2:31

Instrument :
BNA_G
ClientSampleId :
IDW-SOIL-03

Tot Ion	Ratio	Lower	Upper
152	100		
150	148.7	123.7	185.5
115	57.0	45.9	68.9

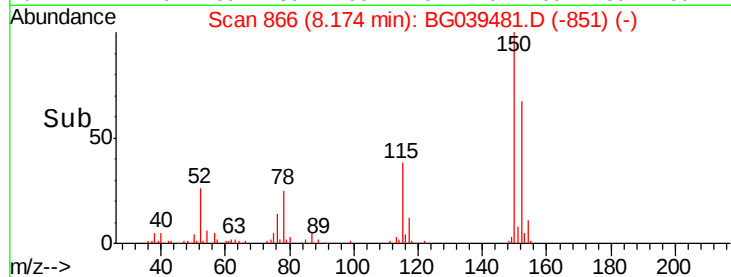
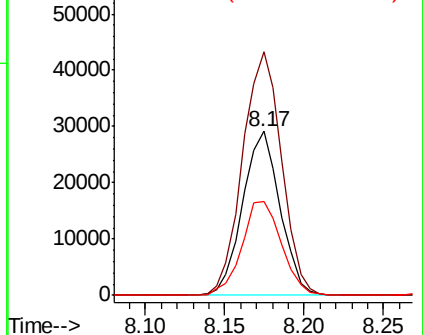


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

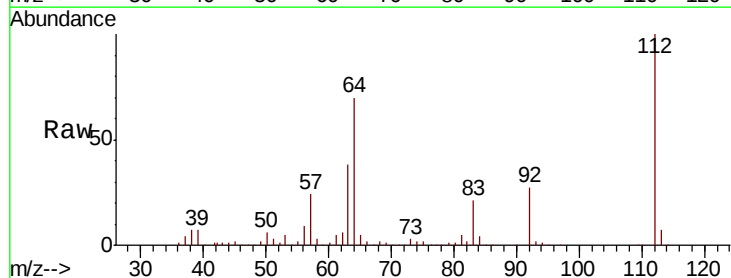
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 155.862 ng
RT: 5.71 min Scan# 447
Delta R.T. -0.00 min
Lab File: BG039481.D
Acq: 13 Feb 2019 2:31

Tgt Ion	Ratio	Lower	Upper
112	100		
64	70.3	57.8	86.8
63	38.3	29.8	44.6

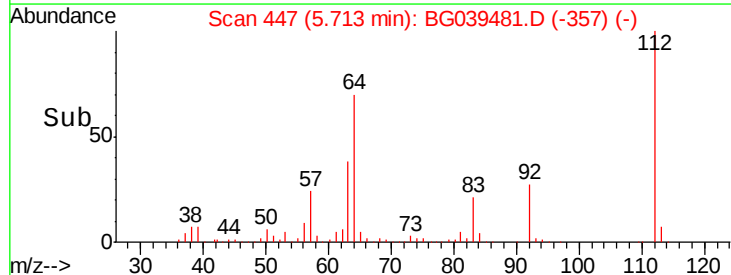
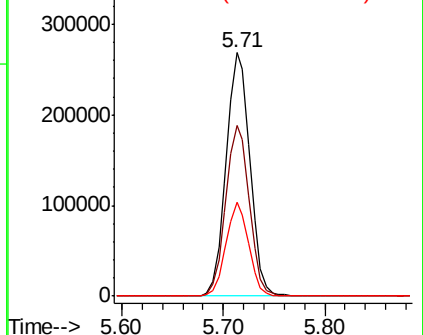


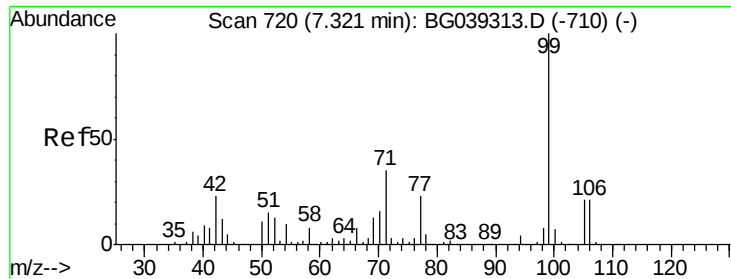
Abundance

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: 143.639 ng

RT: 7.31 min Scan# 719

Delta R.T. -0.01 min

Lab File: BG039481.D

Acq: 13 Feb 2019 2:31

Instrument :

BNA_G

ClientSampleId :

IDW-SOIL-03

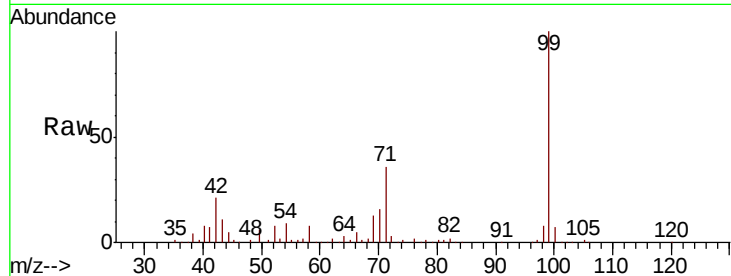
Tot Ion: 99 Resp: 590698

Ion Ratio Lower Upper

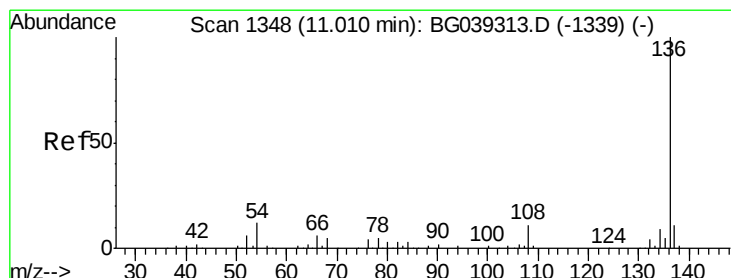
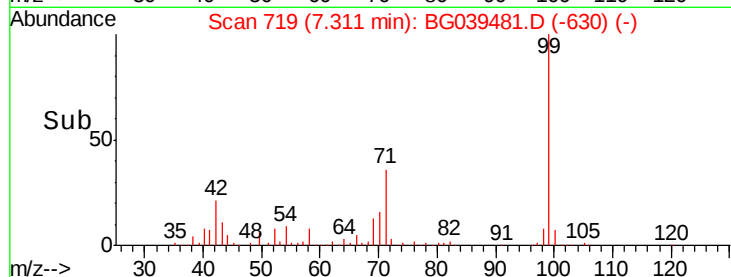
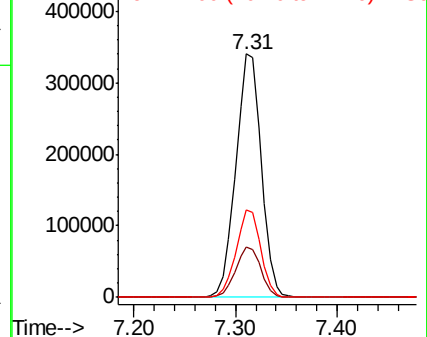
99 100

42 20.6 18.2 27.2

71 35.7 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: 10.99 min Scan# 1346

Delta R.T. -0.02 min

Lab File: BG039481.D

Acq: 13 Feb 2019 2:31

Tgt Ion: 136 Resp: 208551

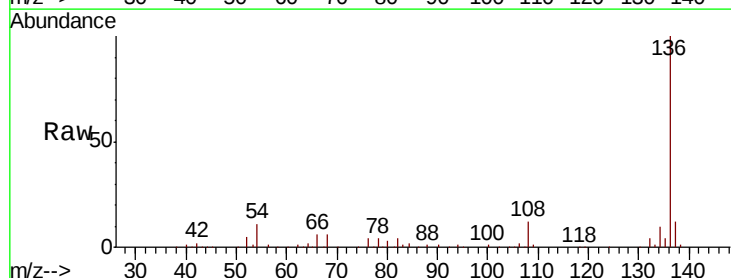
Ion Ratio Lower Upper

136 100

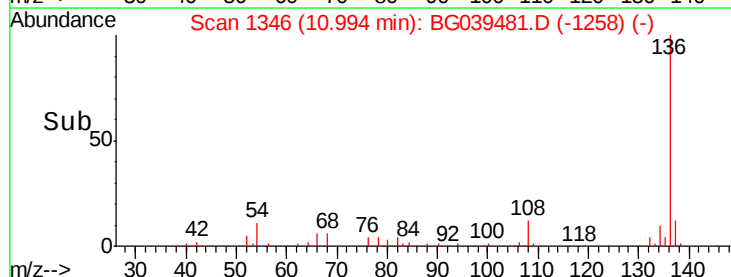
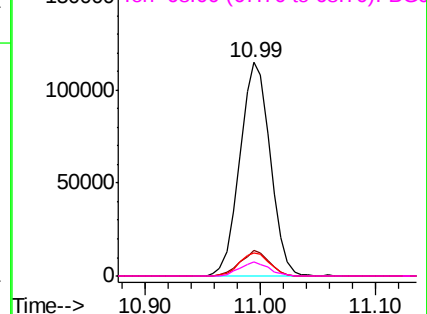
137 12.2 9.1 13.7

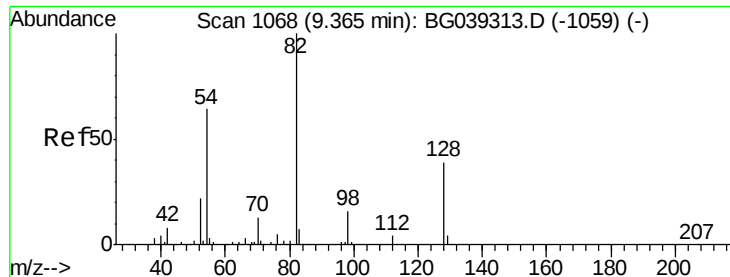
54 10.8 9.4 14.2

68 6.4 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

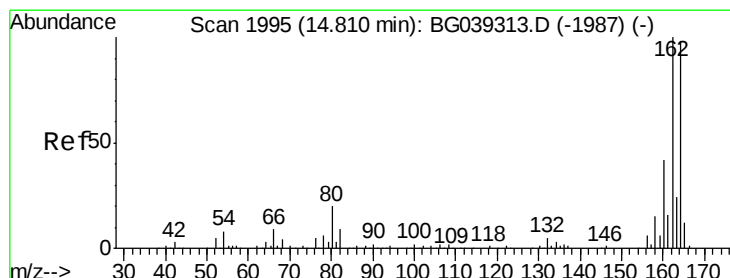
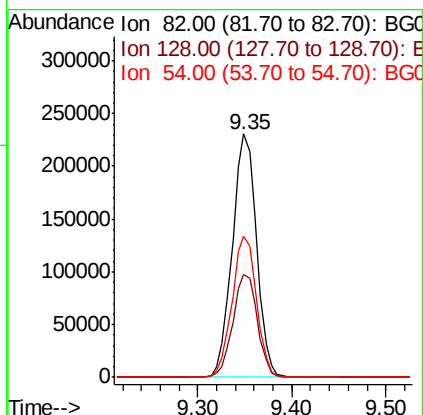
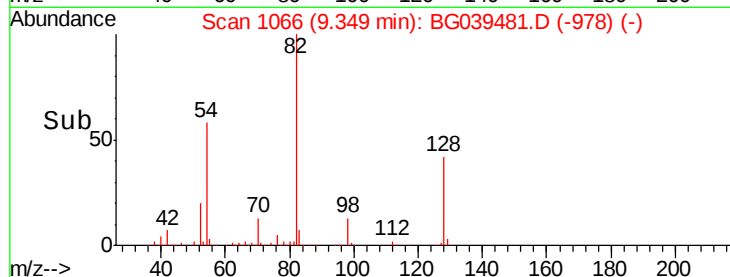
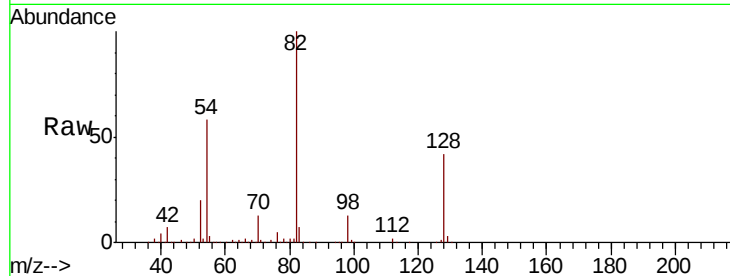




#23
Nitrobenzene-d5
Concen: 123.551 ng
RT: 9.35 min Scan# 1066
Delta R.T. -0.01 min
Lab File: BG039481.D
Acq: 13 Feb 2019 2:31

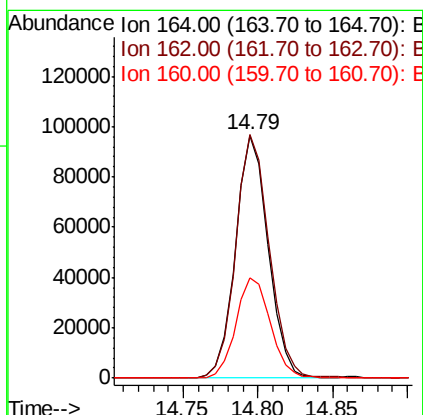
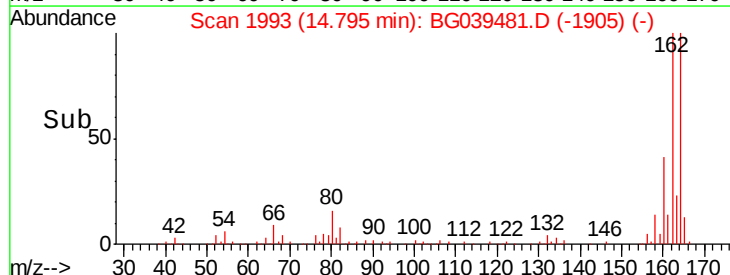
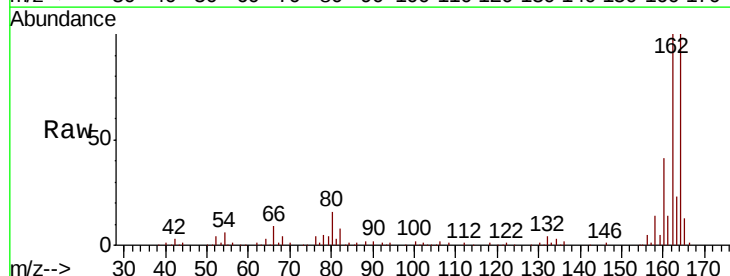
Instrument :
BNA_G
ClientSampleId :
IDW-SOIL-03

Tot Ion	82	Resp	412456
Ion Ratio	100	Lower	Upper
128	42.1	31.3	46.9
54	58.1	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: BG039481.D
Acq: 13 Feb 2019 2:31

Tgt Ion	164	Resp	146640
Ion Ratio	100	Lower	Upper
162	100.4	81.6	122.4
160	41.4	34.2	51.2

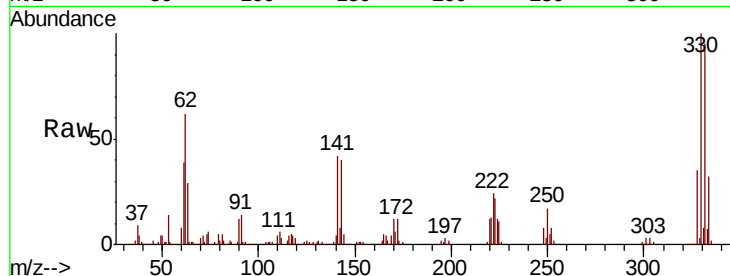




#42
 2,4,6-Tribromophenol
 Concen: 171.485 ng
 RT: 16.28 min Scan# 2246
 Delta R.T. -0.01 min
 Lab File: BG039481.D
 Acq: 13 Feb 2019 2:31

Instrument :
 BNA_G
 ClientSampleId :
 IDW-SOIL-03

Tot Ion	Ratio	Lower	Upper
330	100		
332	94.5	75.7	113.5
141	40.2	35.6	53.4

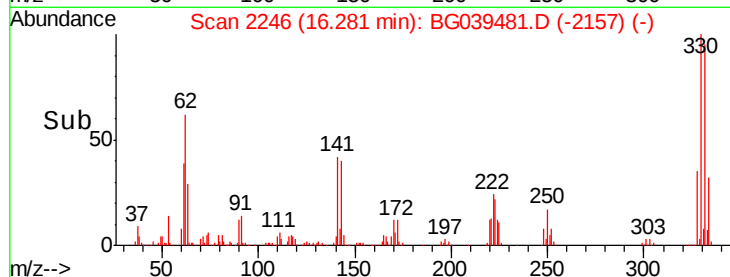
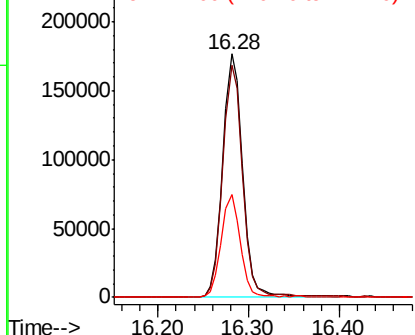


Abundance

Ion 329.80 (329.50 to 330.50): E

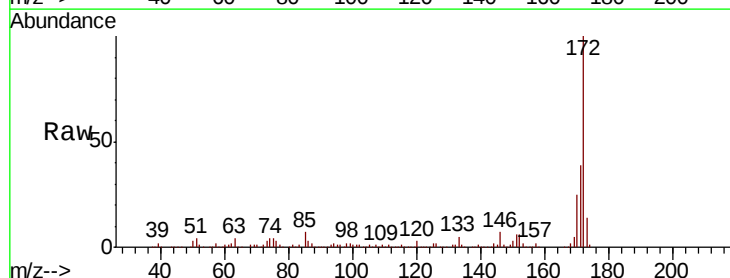
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#45
 2-Fluorobiphenyl
 Concen: 96.239 ng
 RT: 13.42 min Scan# 1759
 Delta R.T. -0.02 min
 Lab File: BG039481.D
 Acq: 13 Feb 2019 2:31

Tgt Ion	Ratio	Lower	Upper
172	100		
171	38.7	30.8	46.2
170	25.2	20.2	30.4

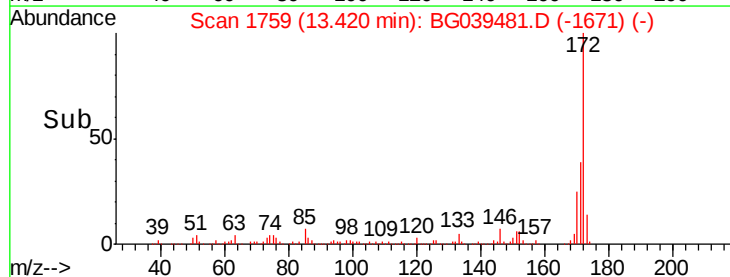
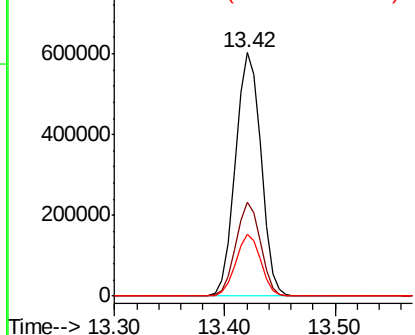


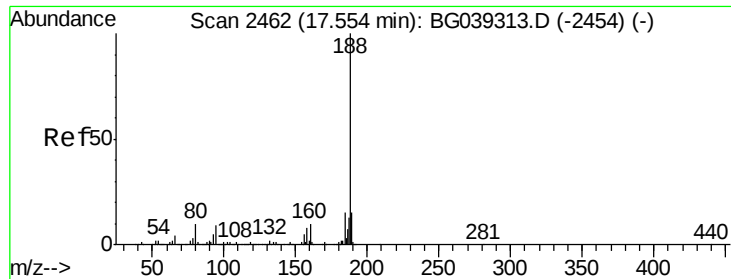
Abundance

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# 2461

Delta R.T. -0.01 min

Lab File: BG039481.D

Acq: 13 Feb 2019 2:31

Instrument :

BNA_G

ClientSampleId :

IDW-SOIL-03

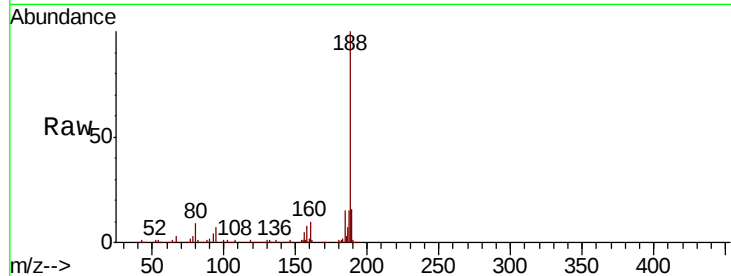
Tot Ion:188 Resp: 354052

Ion Ratio Lower Upper

188 100

94 7.4 6.9 10.3

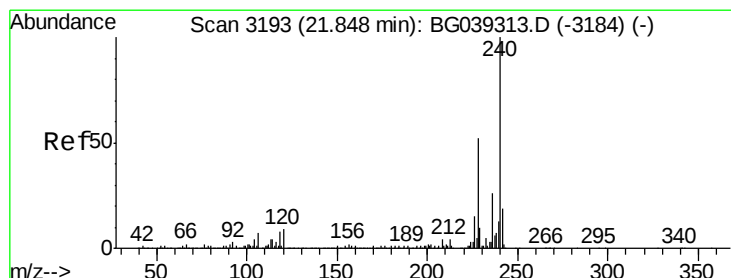
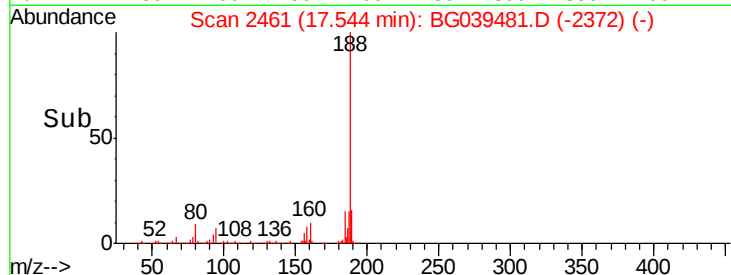
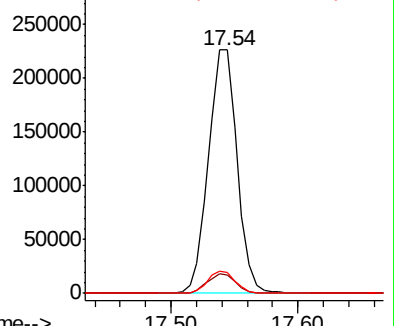
80 8.8 8.1 12.1



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC



#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.83 min Scan# 3191

Delta R.T. -0.02 min

Lab File: BG039481.D

Acq: 13 Feb 2019 2:31

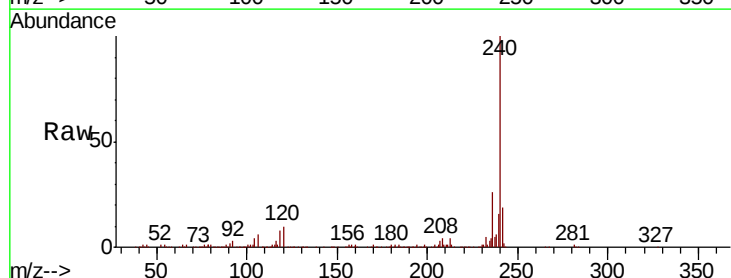
Tgt Ion:240 Resp: 373284

Ion Ratio Lower Upper

240 100

120 9.6 7.0 10.6

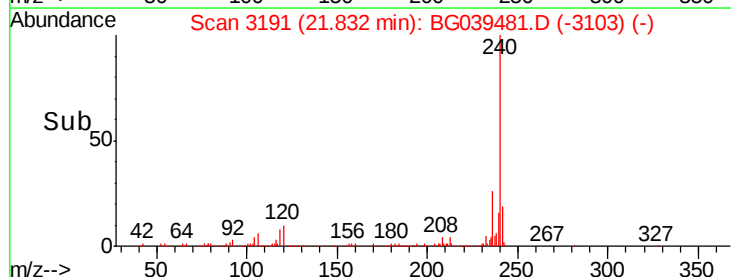
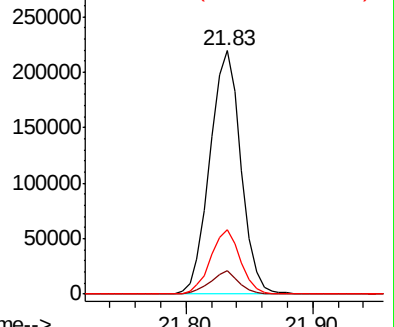
236 26.3 21.0 31.4



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: 93.322 ng

RT: 20.13 min Scan# 2902

Delta R.T. -0.02 min

Lab File: BG039481.D

Acq: 13 Feb 2019 2:31

Instrument :

BNA_G

ClientSampleId :

IDW-SOIL-03

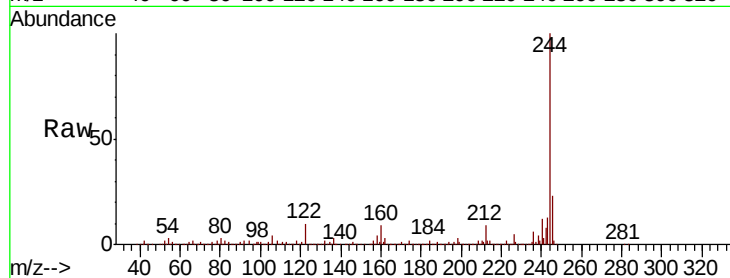
Tot Ion:244 Resp: 1645752

Ion Ratio Lower Upper

244 100

212 9.4 7.3 10.9

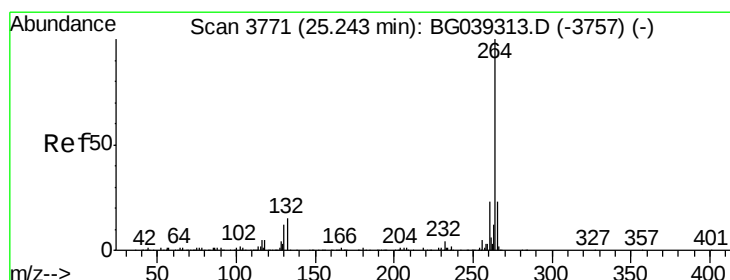
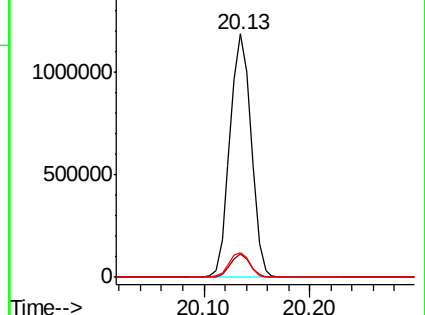
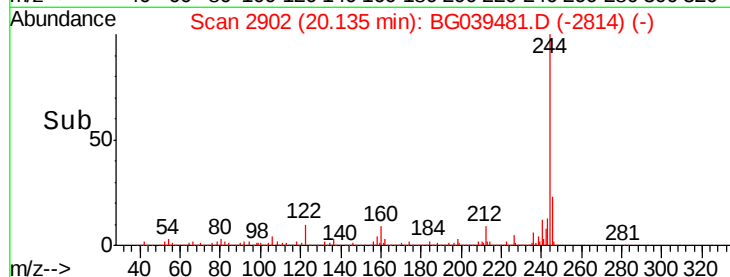
122 10.2 8.4 12.6



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# 3768

Delta R.T. -0.02 min

Lab File: BG039481.D

Acq: 13 Feb 2019 2:31

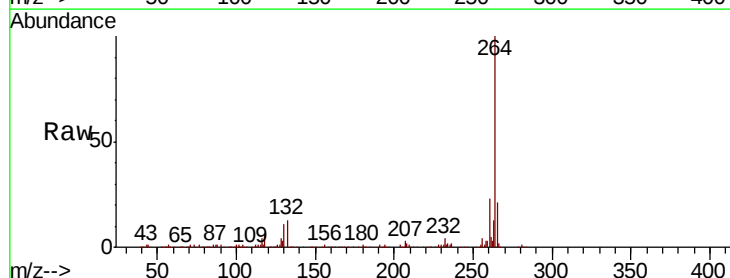
Tgt Ion:264 Resp: 368901

Ion Ratio Lower Upper

264 100

260 22.6 18.2 27.4

265 20.7 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

