

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG100118\
 Data File : BG037099.D
 Acq On : 2 Oct 2018 6:38
 Operator : JU/SJ
 Sample : J5170-30
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 HC-SOIL-5

Quant Time: Oct 02 07:19:05 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG092018.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Sep 24 10:41:23 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.04	152	45112	20.00	ng	0.00
21) Naphthalene-d8	10.84	136	180498	20.00	ng	-0.01
38) Acenaphthene-d10	14.66	164	110984	20.00	ng	-0.01
63) Phenanthrene-d10	17.41	188	279403	20.00	ng	-0.01
75) Chrysene-d12	21.67	240	292220	20.00	ng	-0.02
86) Perylene-d12	24.88	264	275389	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.62	112	292800	124.47	ng	0.00
7) Phenol-d6	7.20	99	364953	100.28	ng	-0.01
23) Nitrobenzene-d5	9.20	82	309826	91.92	ng	-0.01
41) 2,4,6-Tribromophenol	16.16	330	147464	111.05	ng	-0.01
44) 2-Fluorobiphenyl	13.29	172	642276	86.19	ng	-0.01
78) Terphenyl-d14	20.02	244	1115946	100.42	ng	-0.01

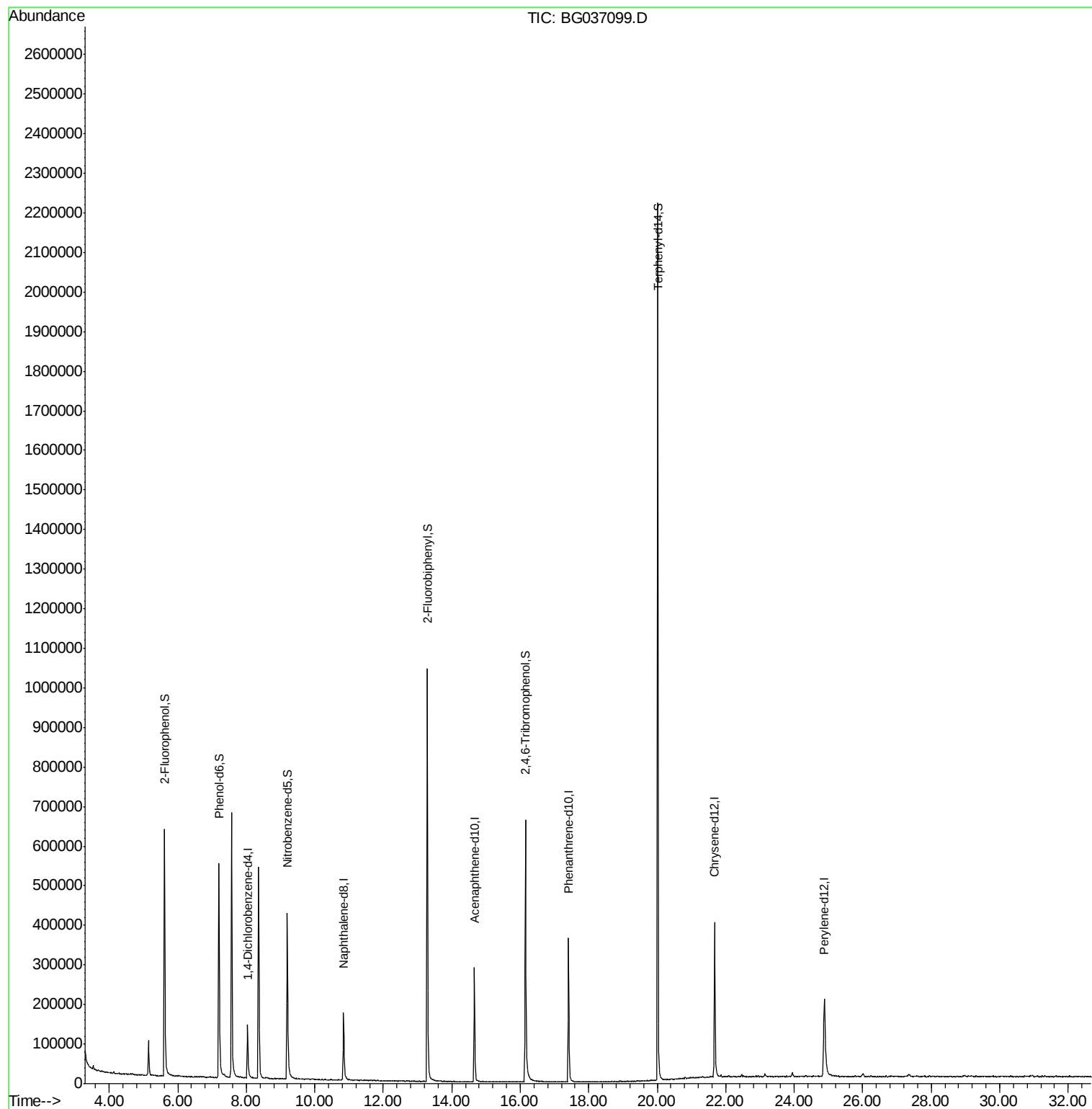
Target Compounds Qvalue

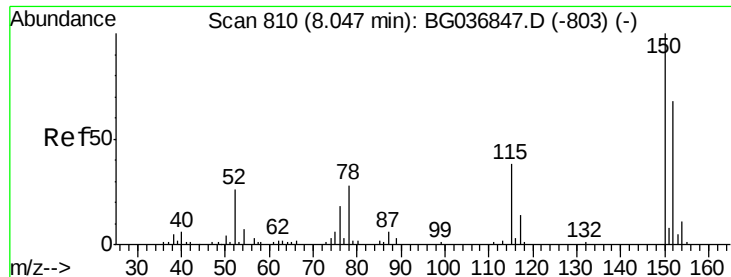
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 8.04 min Scan# 809

Delta R.T. -0.00 min

Lab File: BG037099.D

Acq: 2 Oct 2018 6:38

Instrument :

BNA_G

ClientSampleId :

HC-SOIL-5

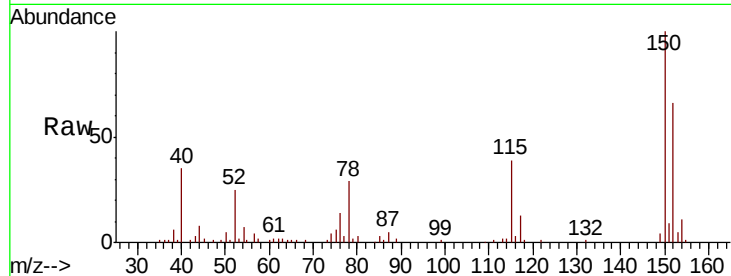
Tot Ion:152 Resp: 45112

Ion Ratio Lower Upper

152 100

150 152.6 119.5 179.3

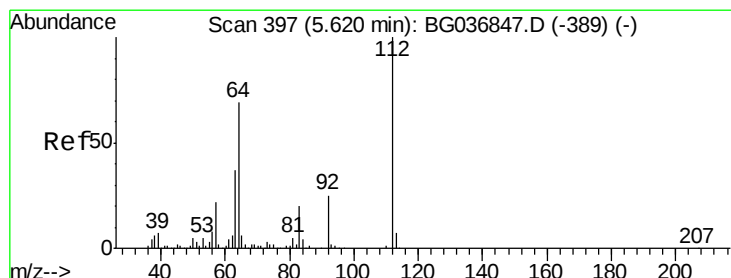
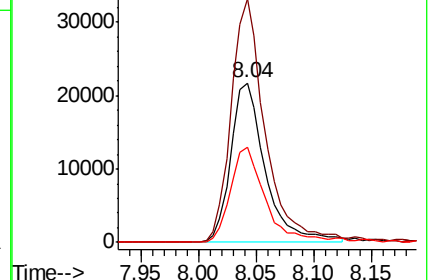
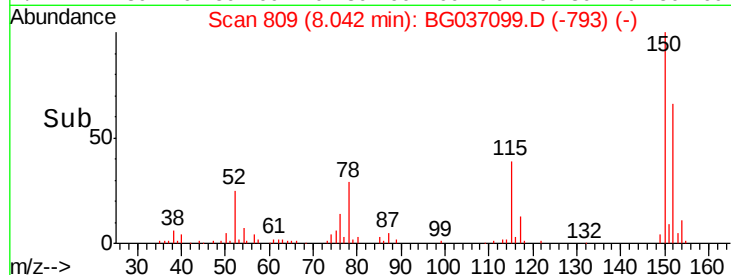
115 59.5 44.5 66.7



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: 124.474 ng

RT: 5.62 min Scan# 396

Delta R.T. -0.00 min

Lab File: BG037099.D

Acq: 2 Oct 2018 6:38

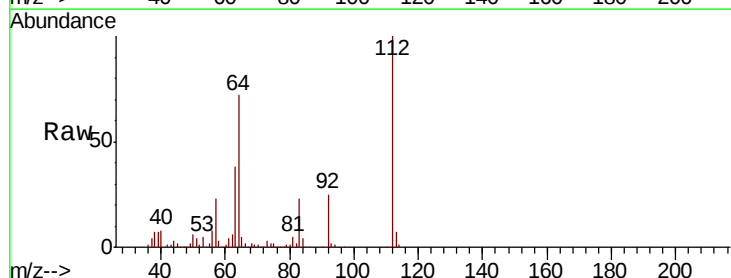
Tgt Ion:112 Resp: 292800

Ion Ratio Lower Upper

112 100

64 71.8 57.2 85.8

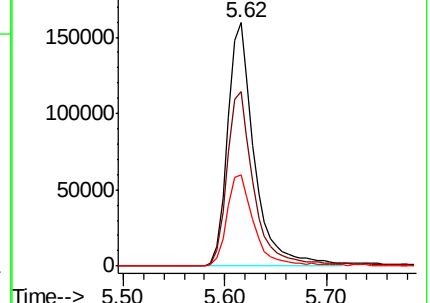
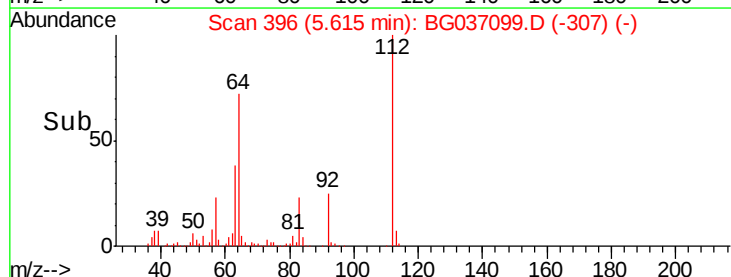
63 37.7 30.8 46.2



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: 100.278 ng

RT: 7.20 min Scan# 666

Delta R.T. -0.01 min

Lab File: BG037099.D

Acq: 2 Oct 2018 6:38

Instrument :

BNA_G

ClientSampleId :

HC-SOIL-5

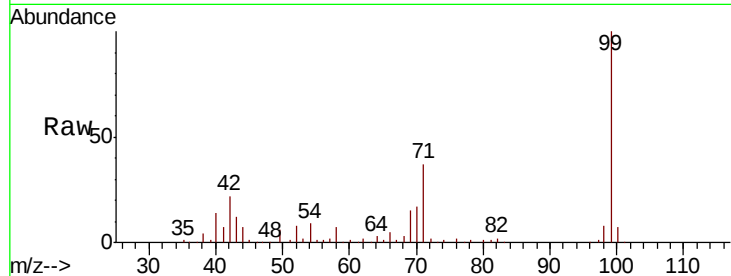
Tot Ion: 99 Resp: 364953

Ion Ratio Lower Upper

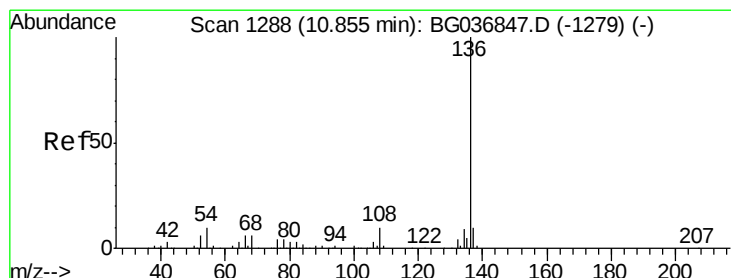
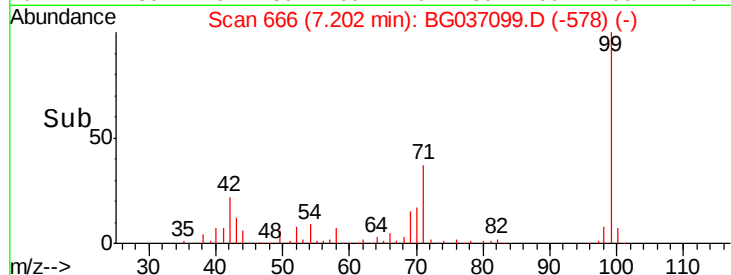
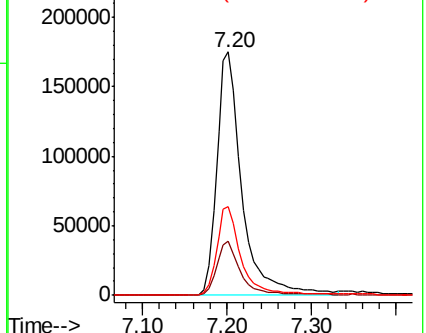
99 100

42 22.1 16.5 24.7

71 36.7 29.4 44.2



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# 1286

Delta R.T. -0.01 min

Lab File: BG037099.D

Acq: 2 Oct 2018 6:38

Tgt Ion: 136 Resp: 180498

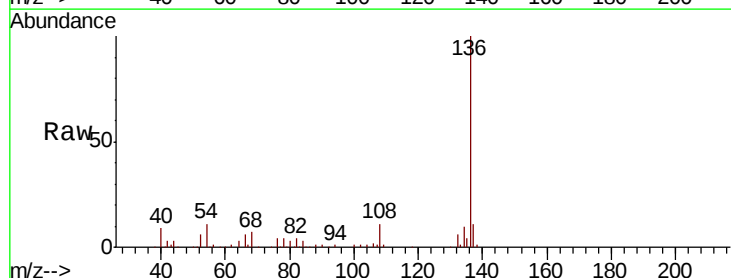
Ion Ratio Lower Upper

136 100

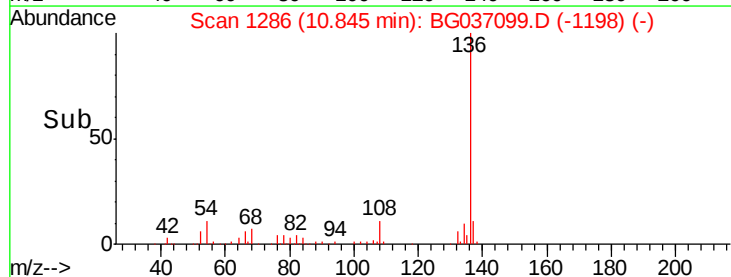
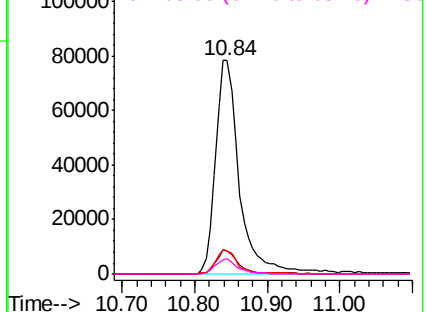
137 10.9 8.8 13.2

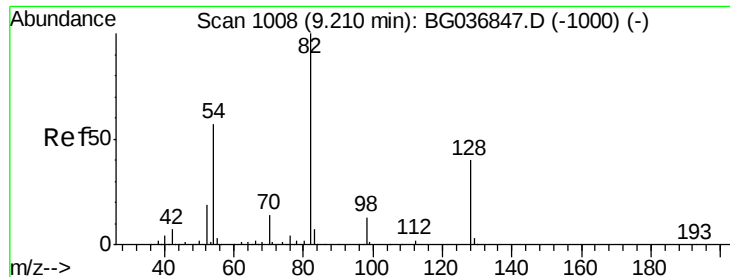
54 10.9 9.2 13.8

68 7.3 5.8 8.6



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

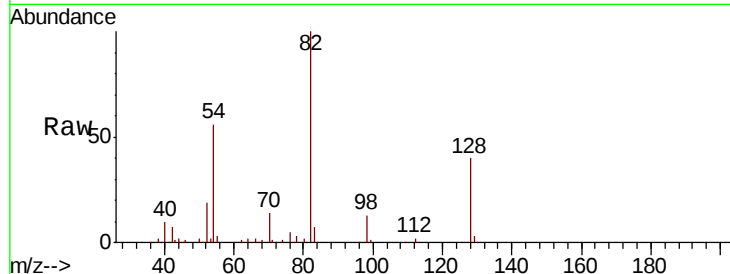




#23
Nitrobenzene-d5
Concen: 91.921 ng
RT: 9.20 min Scan# 1006
Delta R.T. -0.01 min
Lab File: BG037099.D
Acq: 2 Oct 2018 6:38

Instrument :
BNA_G
ClientSampleId :
HC-SOIL-5

Tot Ion	82	Resp	309826
Ion	Ratio	Lower	Upper
82	100		
128	40.1	33.3	49.9
54	55.6	45.1	67.7

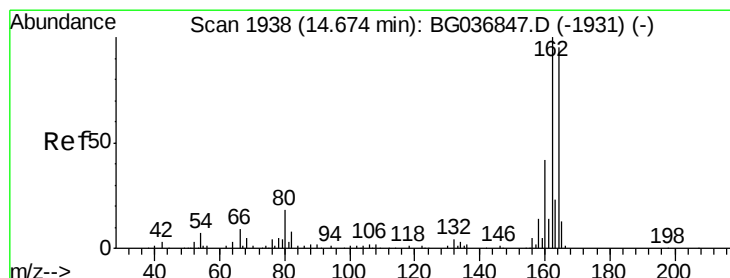
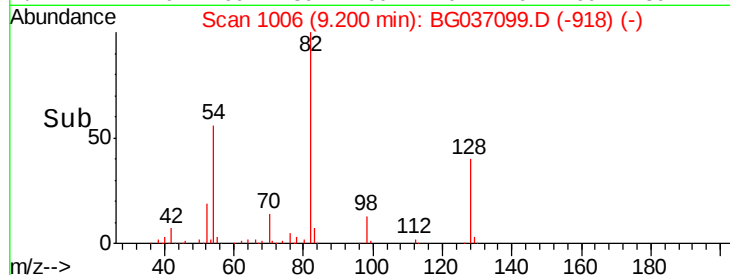
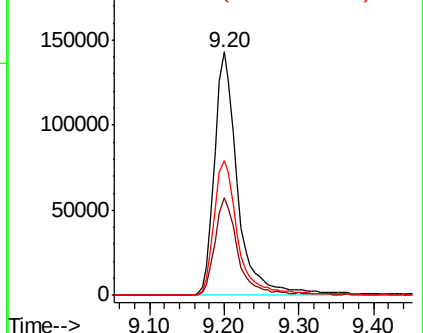


Abundance

Ion 82.00 (81.70 to 82.70): BGC

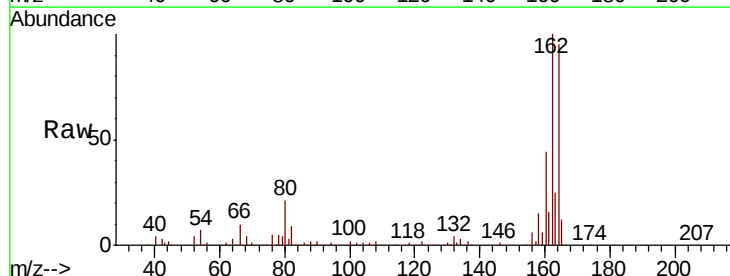
Ion 128.00 (127.70 to 128.70): BGC

Ion 54.00 (53.70 to 54.70): BGC



#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.66 min Scan# 1936
Delta R.T. -0.01 min
Lab File: BG037099.D
Acq: 2 Oct 2018 6:38

Tgt Ion	164	Resp	110984
Ion	Ratio	Lower	Upper
164	100		
162	105.0	80.7	121.1
160	46.0	35.3	52.9

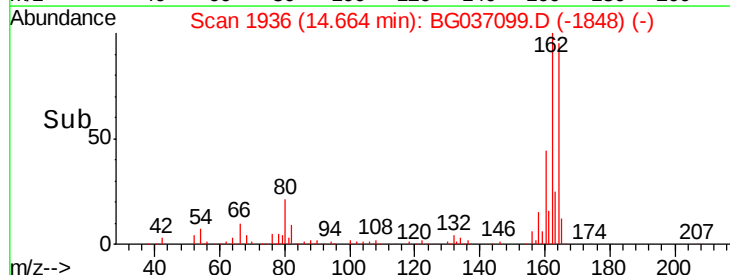
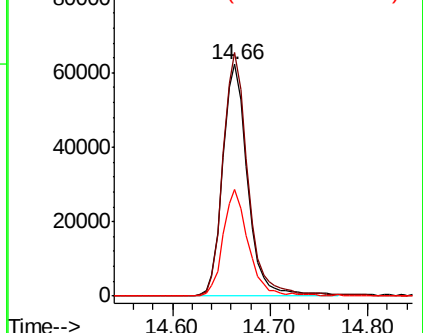


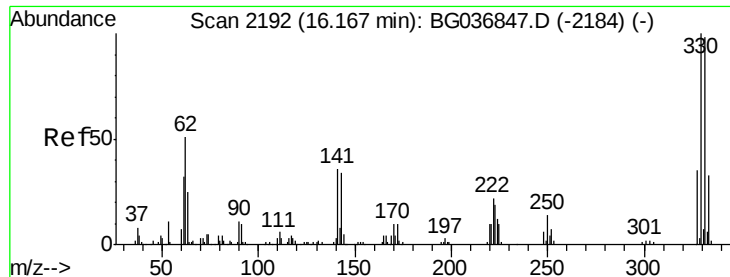
Abundance

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

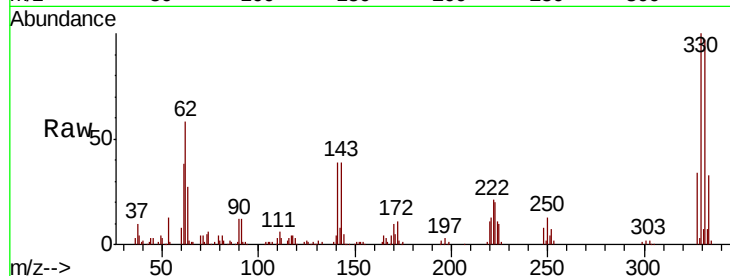




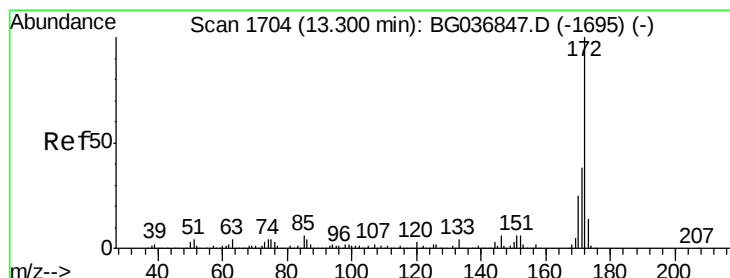
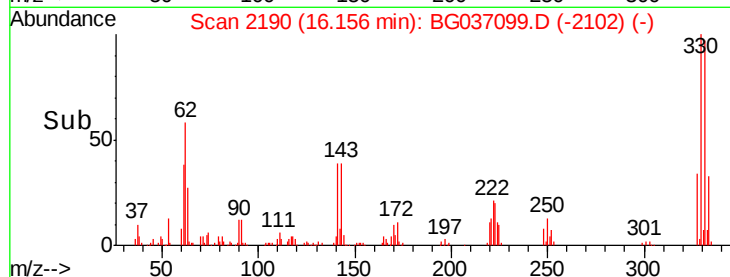
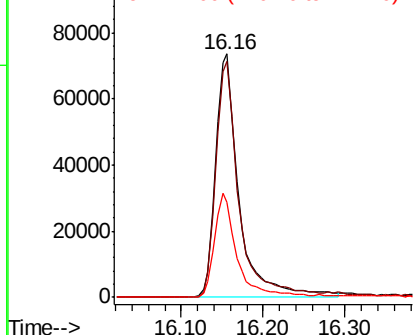
#41
 2,4,6-Tribromophenol
 Concen: 111.054 ng
 RT: 16.16 min Scan# 2190
 Delta R.T. -0.01 min
 Lab File: BG037099.D
 Acq: 2 Oct 2018 6:38

Instrument :
 BNA_G
 ClientSampleId :
 HC-SOIL-5

Tot Ion:330 Resp: 147464
 Ion Ratio Lower Upper
 330 100
 332 95.8 75.4 113.2
 141 40.8 30.7 46.1

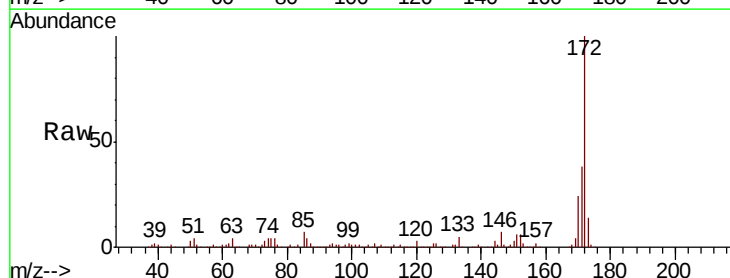


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

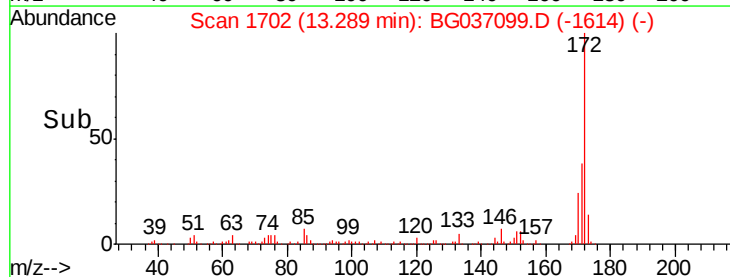
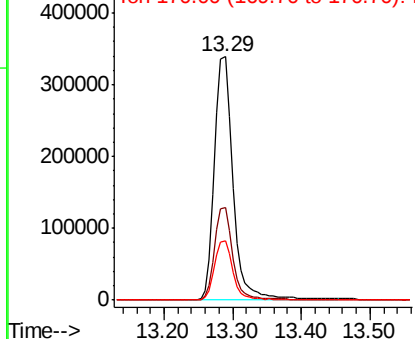


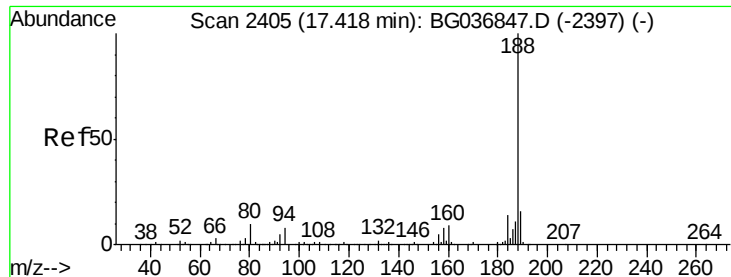
#44
 2-Fluorobiphenyl
 Concen: 86.193 ng
 RT: 13.29 min Scan# 1702
 Delta R.T. -0.01 min
 Lab File: BG037099.D
 Acq: 2 Oct 2018 6:38

Tgt Ion:172 Resp: 642276
 Ion Ratio Lower Upper
 172 100
 171 38.0 31.3 46.9
 170 24.4 21.0 31.6



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

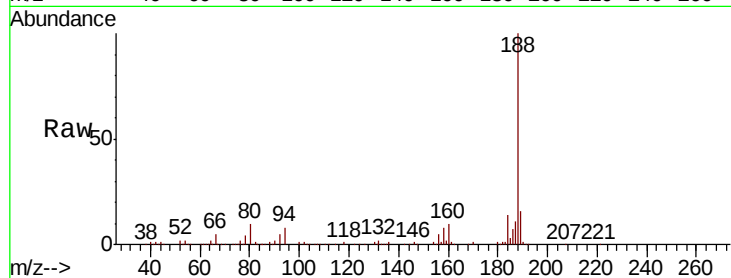




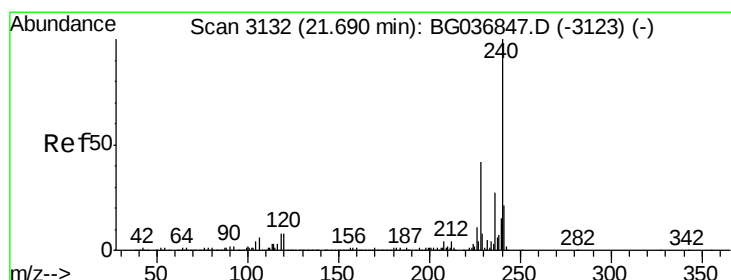
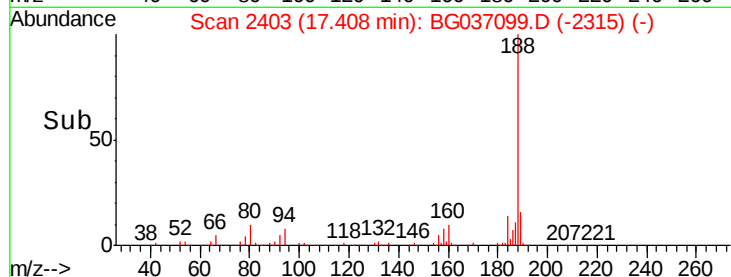
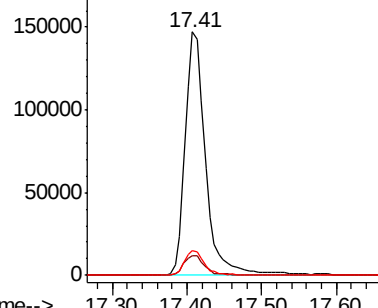
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.41 min Scan# 2403
Delta R.T. -0.01 min
Lab File: BG037099.D
Acq: 2 Oct 2018 6:38

Instrument :
BNA_G
ClientSampleId :
HC-SOIL-5

Tot Ion:188 Resp: 279403
Ion Ratio Lower Upper
188 100
94 8.1 6.7 10.1
80 10.2 8.1 12.1

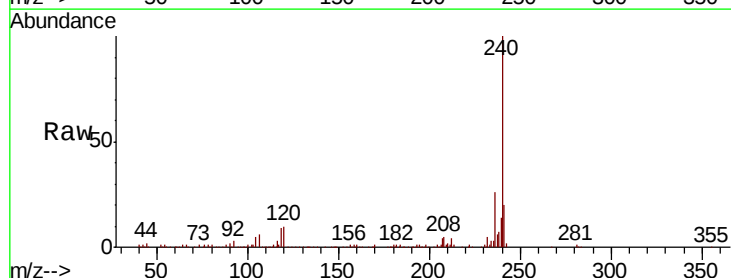


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BGC
Ion 80.00 (79.70 to 80.70): BGC

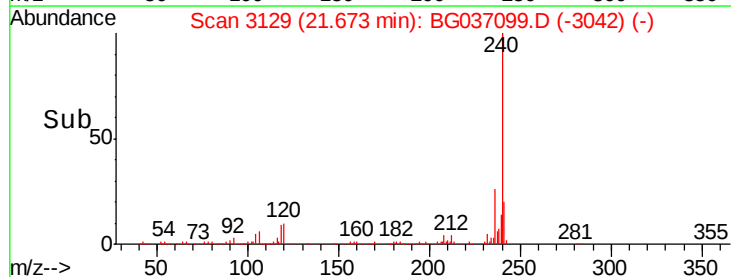
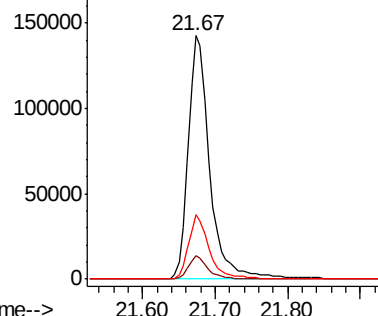


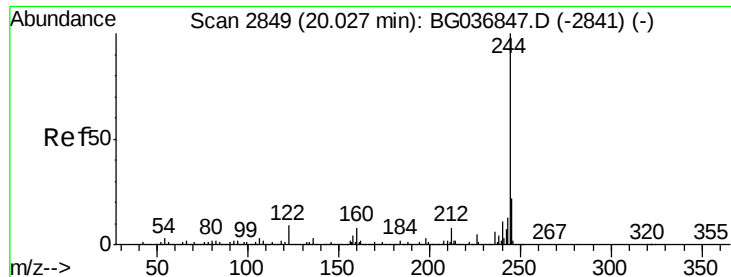
#75
Chrysene-d12
Concen: 20.000 ng
RT: 21.67 min Scan# 3129
Delta R.T. -0.02 min
Lab File: BG037099.D
Acq: 2 Oct 2018 6:38

Tgt Ion:240 Resp: 292220
Ion Ratio Lower Upper
240 100
120 9.7 6.9 10.3
236 26.3 21.2 31.8



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





#78

Terphenyl-d14

Concen: 100.416 ng

RT: 20.02 min Scan# 2847

Delta R.T. -0.01 min

Lab File: BG037099.D

Acq: 2 Oct 2018 6:38

Instrument :

BNA_G

ClientSampleId :

HC-SOIL-5

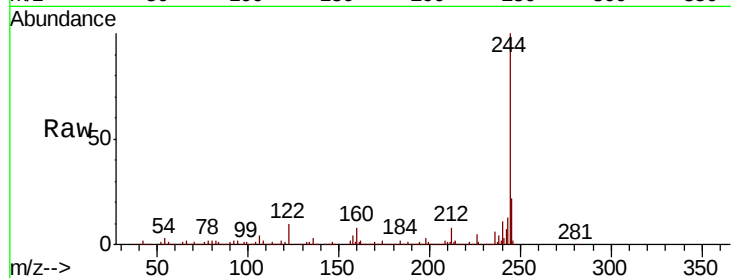
Tot Ion:244 Resp: 1115946

Ion Ratio Lower Upper

244 100

212 8.4 7.0 10.6

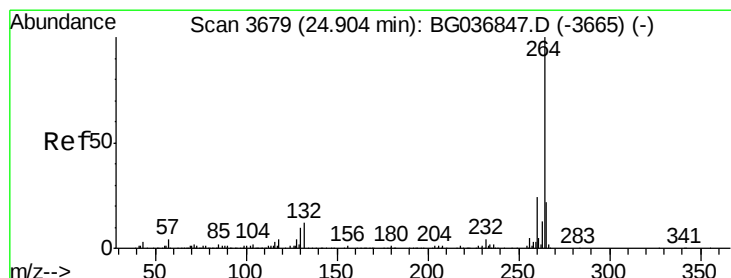
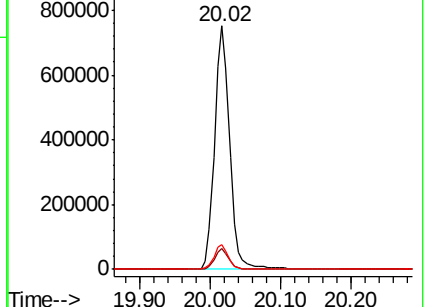
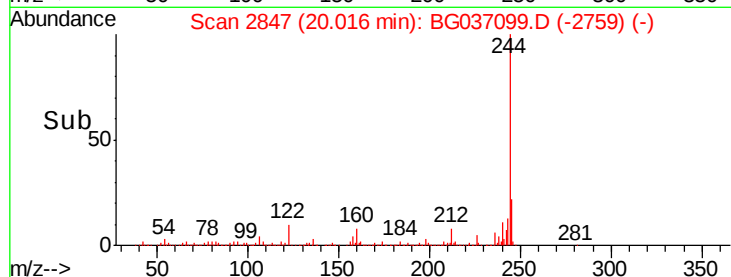
122 10.1 7.1 10.7



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



#86

Perylene-d12

Concen: 20.000 ng

RT: 24.88 min Scan# 3675

Delta R.T. -0.02 min

Lab File: BG037099.D

Acq: 2 Oct 2018 6:38

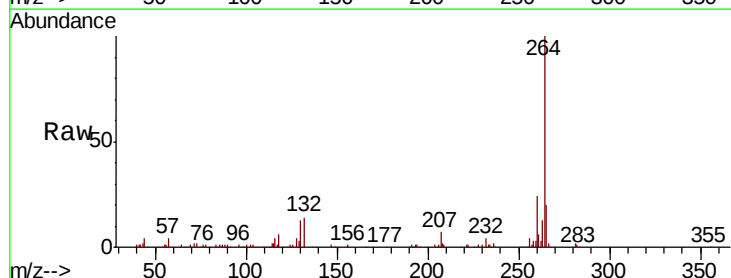
Tgt Ion:264 Resp: 275389

Ion Ratio Lower Upper

264 100

260 23.8 19.6 29.4

265 20.5 17.4 26.0



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

