

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG100118\
 Data File : BG037085.D
 Acq On : 1 Oct 2018 20:54
 Operator : JU/SJ
 Sample : J5170-06
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 HC-SOIL-1

Quant Time: Oct 02 06:40:28 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

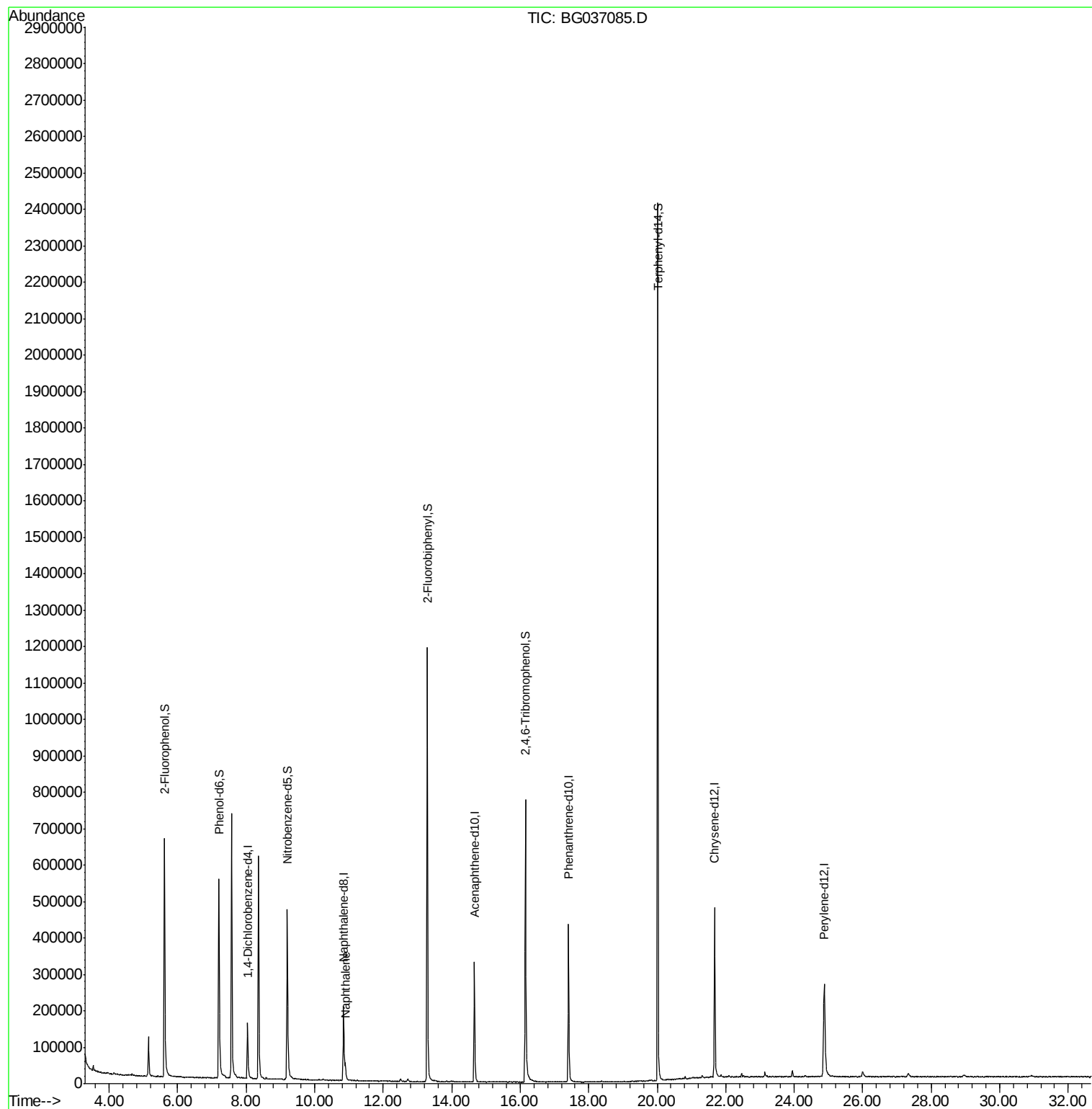
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.04	152	50864	20.00	ng	0.00
21) Naphthalene-d8	10.85	136	209618	20.00	ng	0.00
38) Acenaphthene-d10	14.66	164	125770	20.00	ng	0.00
63) Phenanthrene-d10	17.41	188	314422	20.00	ng	0.00
75) Chrysene-d12	21.67	240	326619	20.00	ng	-0.02
86) Perylene-d12	24.88	264	313540	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.62	112	314289	118.50	ng	0.00
7) Phenol-d6	7.20	99	370120	90.20	ng	0.00
23) Nitrobenzene-d5	9.20	82	337852	86.31	ng	0.00
41) 2,4,6-Tribromophenol	16.15	330	168093	111.71	ng	-0.02
44) 2-Fluorobiphenyl	13.28	172	695440	82.36	ng	-0.02
78) Terphenyl-d14	20.02	244	1181885	95.15	ng	0.00
Target Compounds						
31) Naphthalene	10.89	128	37869	3.797	ng	Qvalue # 95

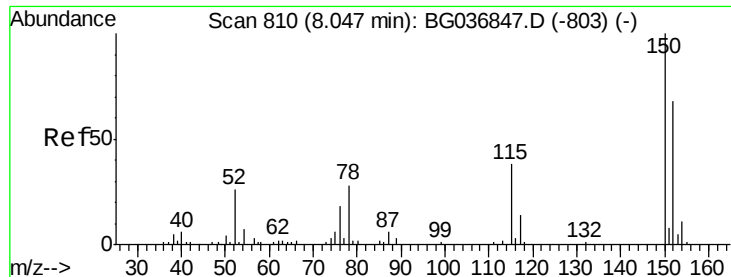
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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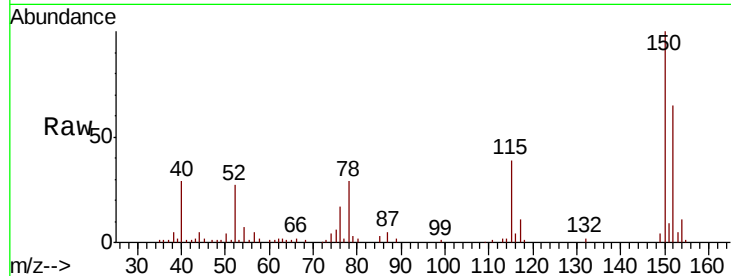


#1

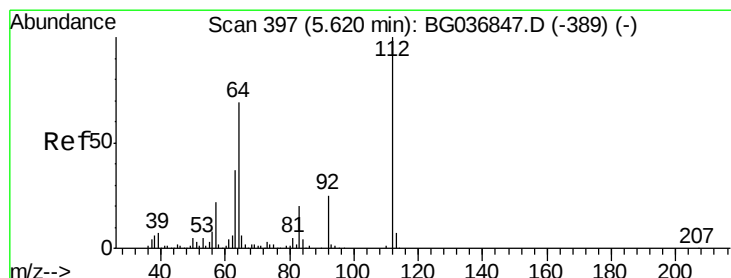
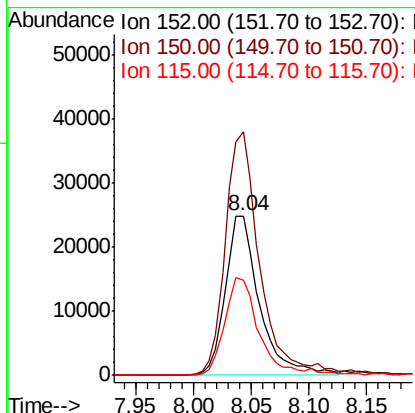
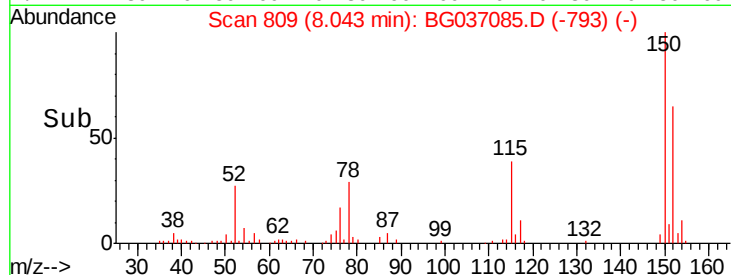
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.04 min Scan# 809
Delta R.T. -0.00 min
Lab File: BG037085.D
Acq: 1 Oct 2018 20:54

Instrument :
BNA_G
ClientSampleId :
HC-SOIL-1

Tot Ion:152 Resp: 50864
Ion Ratio Lower Upper
152 100
150 153.0 119.5 179.3
115 60.1 44.5 66.7



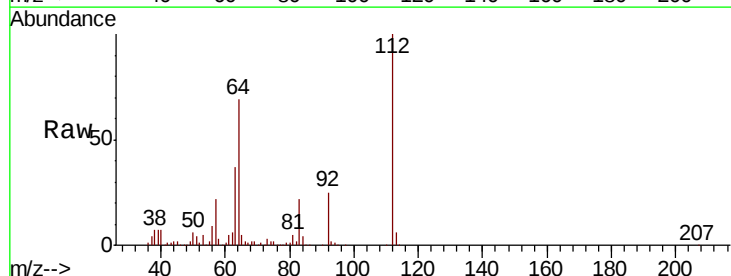
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



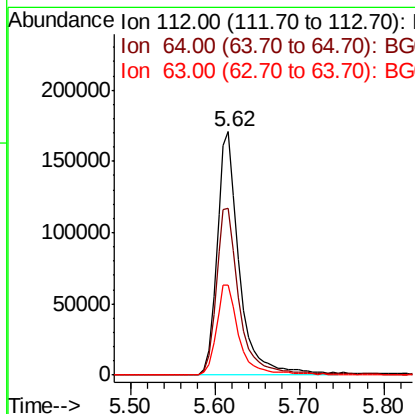
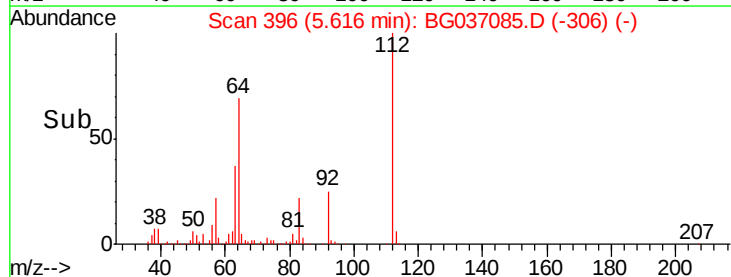
#5

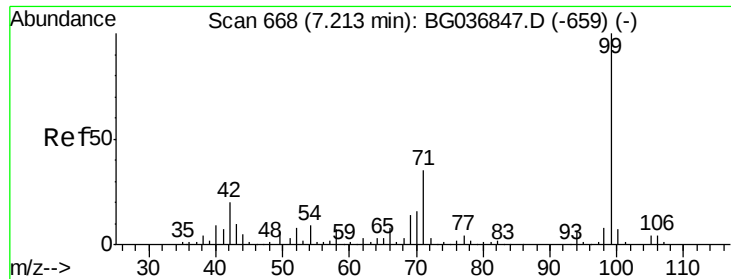
2-Fluorophenol
Concen: 118.500 ng
RT: 5.62 min Scan# 396
Delta R.T. -0.00 min
Lab File: BG037085.D
Acq: 1 Oct 2018 20:54

Tgt Ion:112 Resp: 314289
Ion Ratio Lower Upper
112 100
64 68.7 57.2 85.8
63 36.8 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: 90.197 ng

RT: 7.20 min Scan# 666

Delta R.T. -0.01 min

Lab File: BG037085.D

Acq: 1 Oct 2018 20:54

Instrument :

BNA_G

ClientSampleId :

HC-SOIL-1

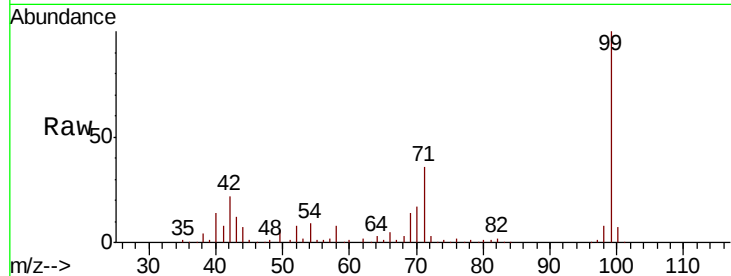
Tot Ion: 99 Resp: 370120

Ion Ratio Lower Upper

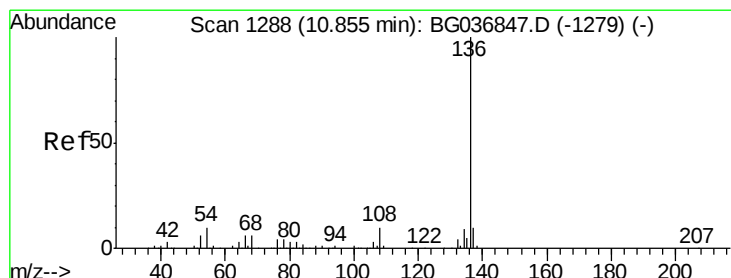
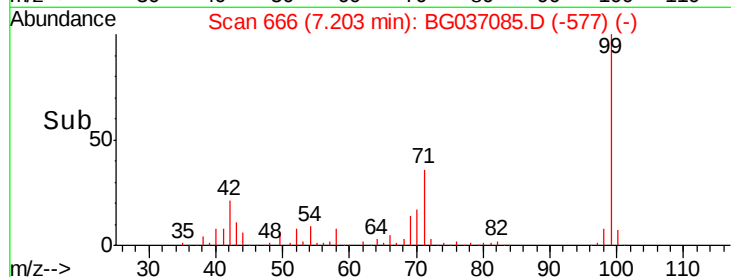
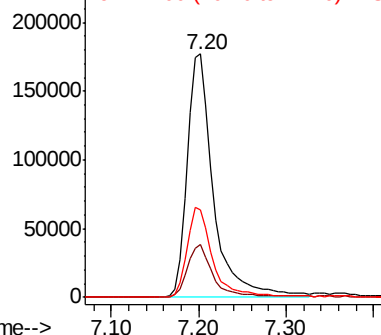
99 100

42 21.5 16.5 24.7

71 36.0 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: 10.85 min Scan# 1286

Delta R.T. -0.01 min

Lab File: BG037085.D

Acq: 1 Oct 2018 20:54

Tgt Ion: 136 Resp: 209618

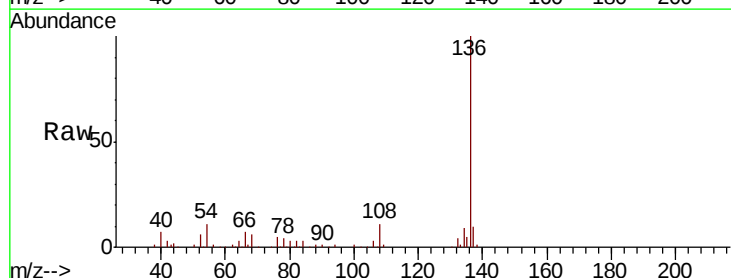
Ion Ratio Lower Upper

136 100

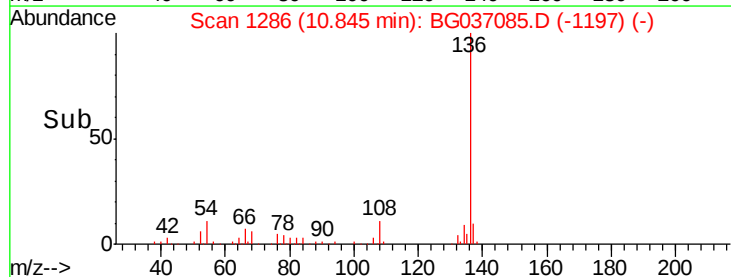
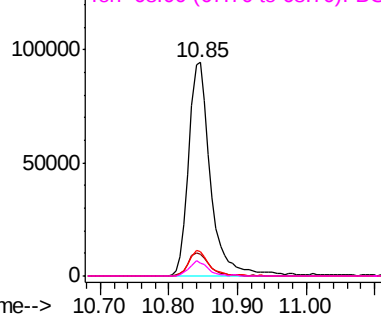
137 10.4 8.8 13.2

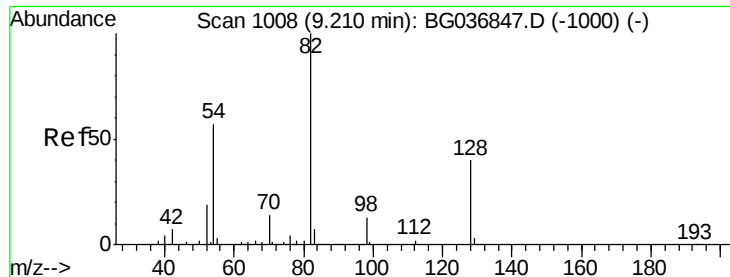
54 11.3 9.2 13.8

68 6.3 5.8 8.6



Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

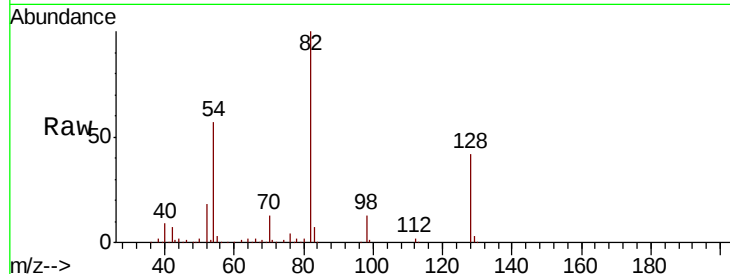




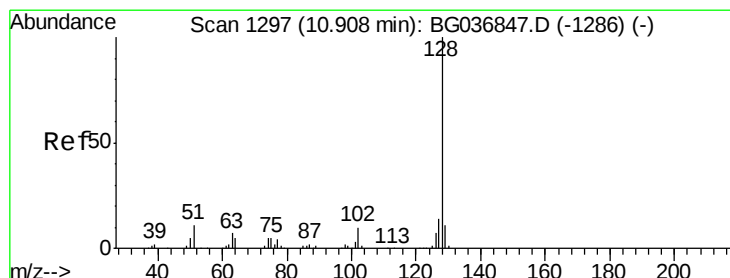
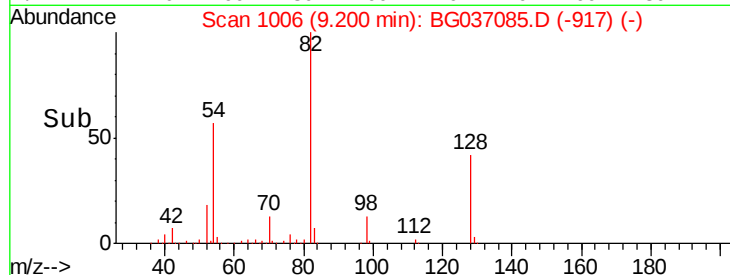
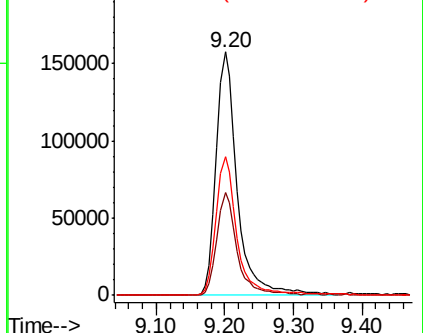
#23
Nitrobenzene-d5
Concen: 86.311 ng
RT: 9.20 min Scan# 1006
Delta R.T. -0.01 min
Lab File: BG037085.D
Acq: 1 Oct 2018 20:54

Instrument :
BNA_G
ClientSampleId :
HC-SOIL-1

Tot Ion	Ratio	Lower	Upper
82	100		
128	42.1	33.3	49.9
54	56.8	45.1	67.7

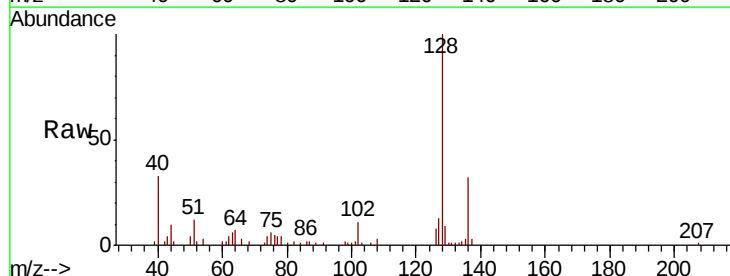


Abundance Ion 82.00 (81.70 to 82.70): BGC
Ion 128.00 (127.70 to 128.70): BGC
Ion 54.00 (53.70 to 54.70): BGC

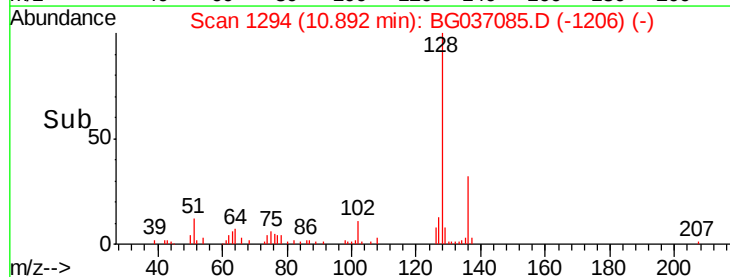
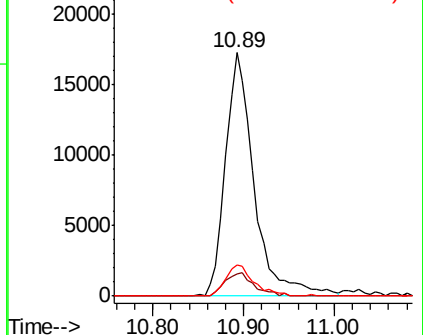


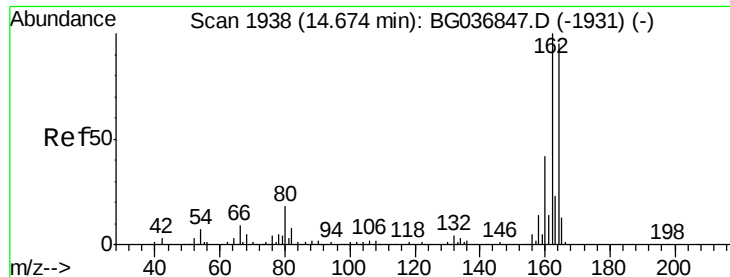
#31
Naphthalene
Concen: 3.797 ng
RT: 10.89 min Scan# 1294
Delta R.T. -0.02 min
Lab File: BG037085.D
Acq: 1 Oct 2018 20:54

Tgt Ion	Ratio	Lower	Upper
128	100		
129	8.9	9.4	14.2#
127	12.9	11.0	16.4



Abundance Ion 128.00 (127.70 to 128.70): BGC
Ion 129.00 (128.70 to 129.70): BGC
Ion 127.00 (126.70 to 127.70): BGC





#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.66 min Scan# 1936

Delta R.T. -0.01 min

Lab File: BG037085.D

Acq: 1 Oct 2018 20:54

Instrument :

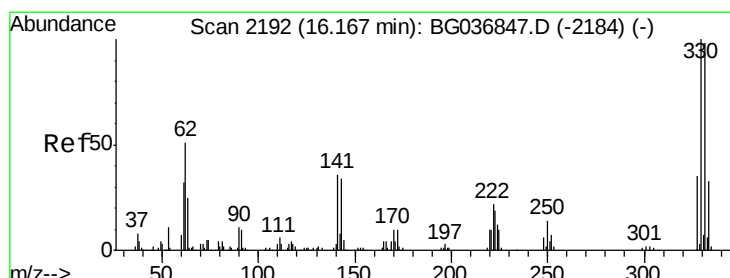
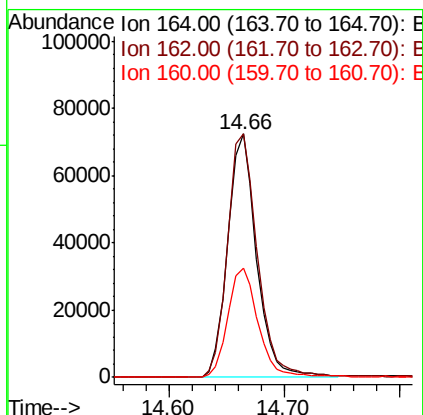
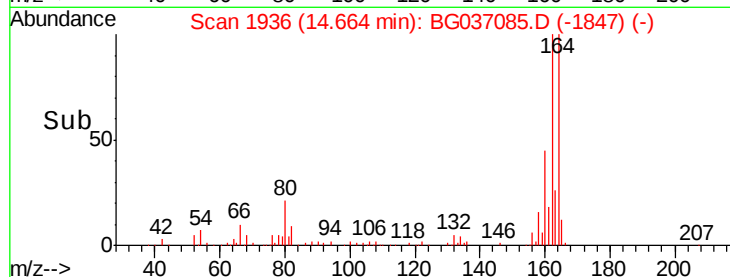
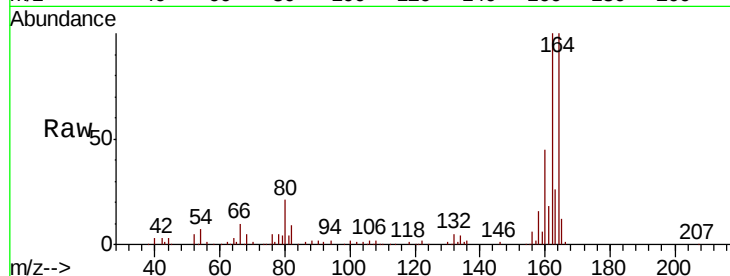
BNA_G

ClientSampleID :

HC-SOIL-1

Tot Ion:164 Resp: 125770

Ion	Ratio	Lower	Upper
164	100		
162	100.2	80.7	121.1
160	45.1	35.3	52.9



#41

2,4,6-Tribromophenol

Concen: 111.707 ng

RT: 16.15 min Scan# 2189

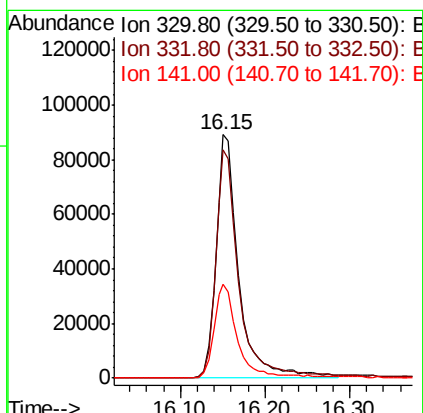
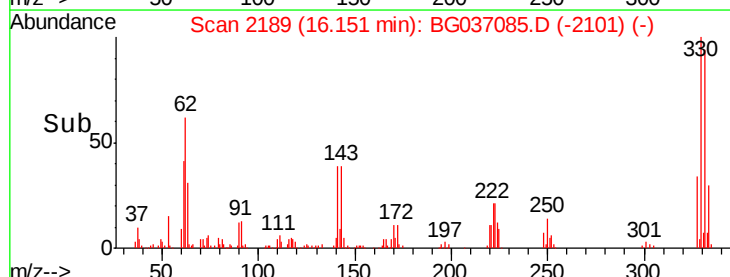
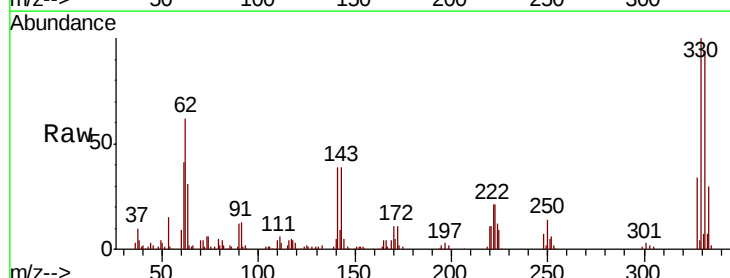
Delta R.T. -0.02 min

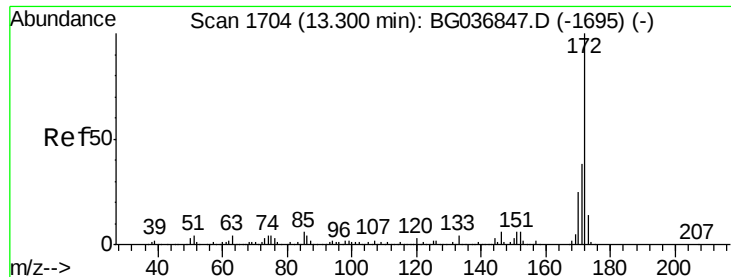
Lab File: BG037085.D

Acq: 1 Oct 2018 20:54

Tgt Ion:330 Resp: 168093

Ion	Ratio	Lower	Upper
330	100		
332	96.5	75.4	113.2
141	39.4	30.7	46.1

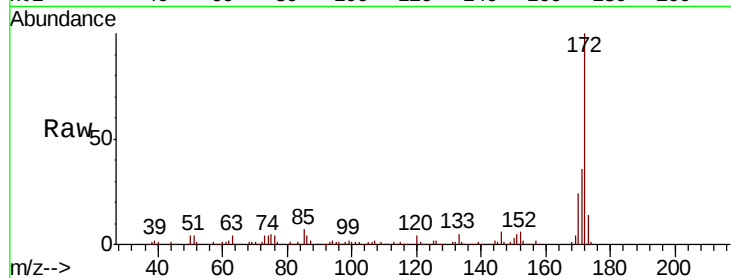




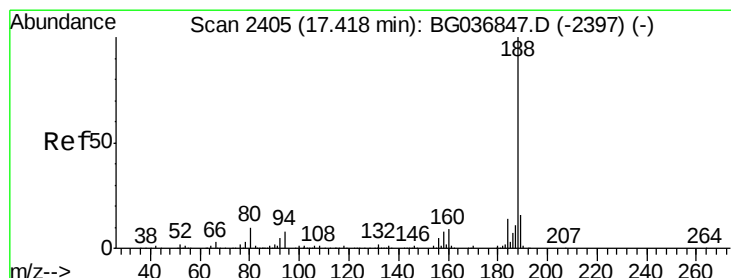
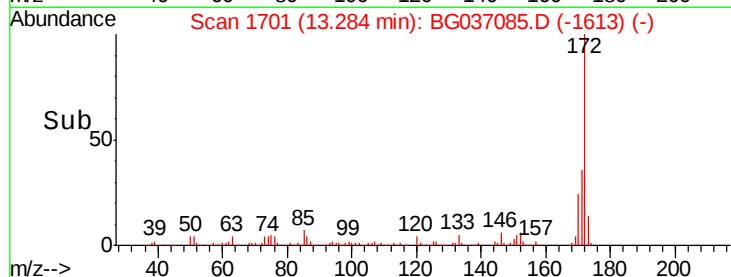
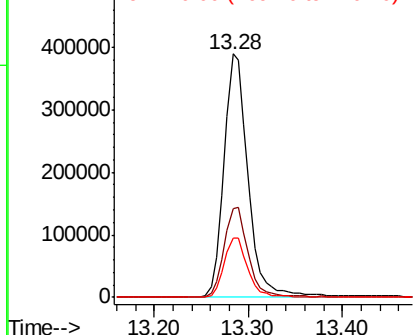
#44
 2-Fluorobiphenyl
 Concen: 82.355 ng
 RT: 13.28 min Scan# 1701
 Delta R.T. -0.02 min
 Lab File: BG037085.D
 Acq: 1 Oct 2018 20:54

Instrument :
 BNA_G
 ClientSampled :
 HC-SOIL-1

Tot Ion:172 Resp: 695440
 Ion Ratio Lower Upper
 172 100
 171 36.3 31.3 46.9
 170 24.4 21.0 31.6

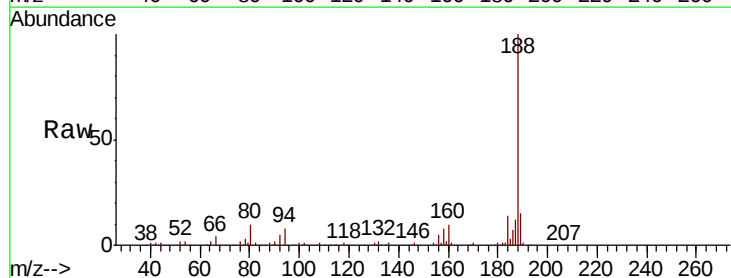


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

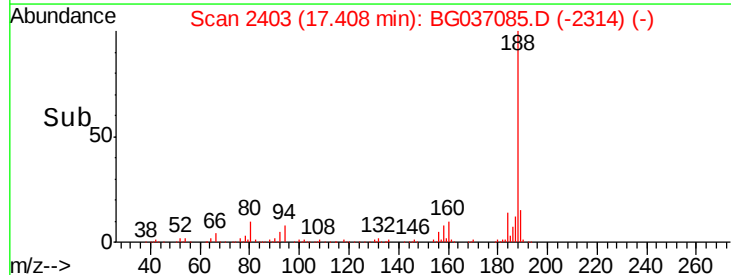
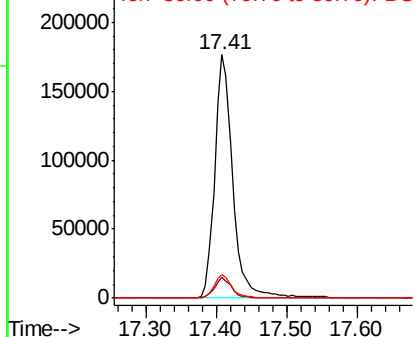


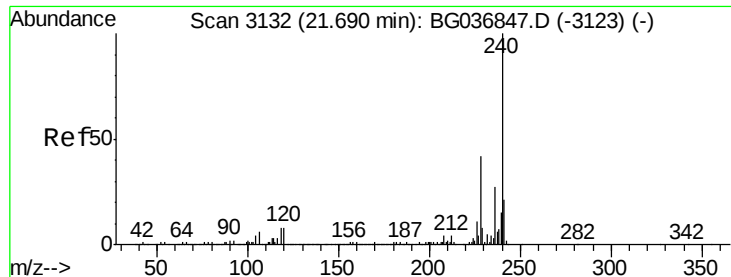
#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.41 min Scan# 2403
 Delta R.T. -0.01 min
 Lab File: BG037085.D
 Acq: 1 Oct 2018 20:54

Tgt Ion:188 Resp: 314422
 Ion Ratio Lower Upper
 188 100
 94 8.4 6.7 10.1
 80 9.7 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





#75

Chrysene-d12

Concen: 20.000 ng

RT: 21.67 min Scan# 3129

Delta R.T. -0.02 min

Lab File: BG037085.D

Acq: 1 Oct 2018 20:54

Instrument :

BNA_G

ClientSampleId :

HC-SOIL-1

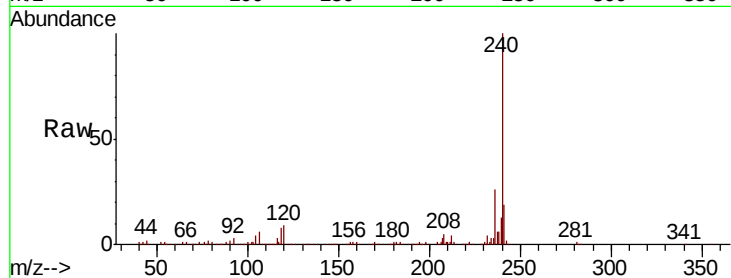
Tot Ion:240 Resp: 326619

Ion Ratio Lower Upper

240 100

120 8.9 6.9 10.3

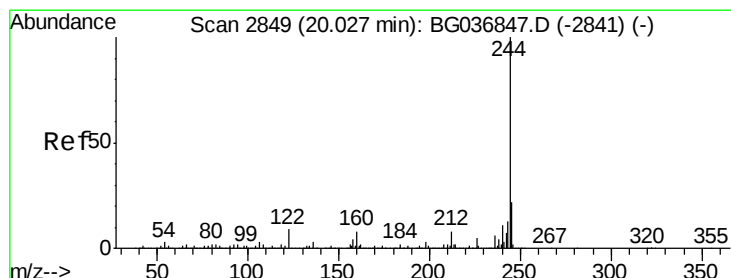
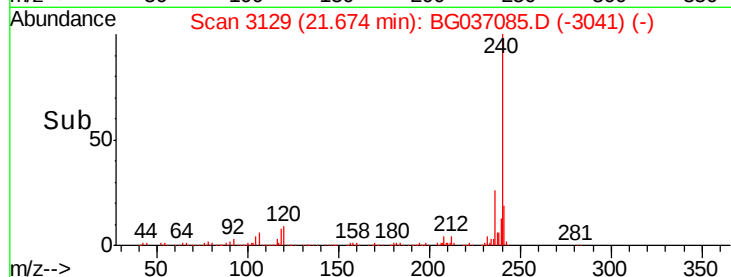
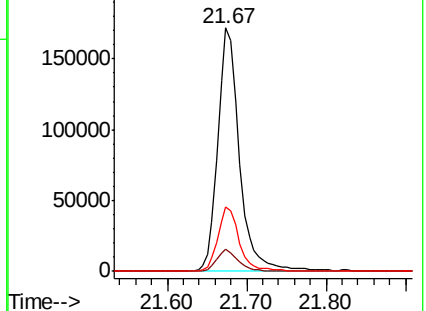
236 26.3 21.2 31.8



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: 95.149 ng

RT: 20.02 min Scan# 2847

Delta R.T. -0.01 min

Lab File: BG037085.D

Acq: 1 Oct 2018 20:54

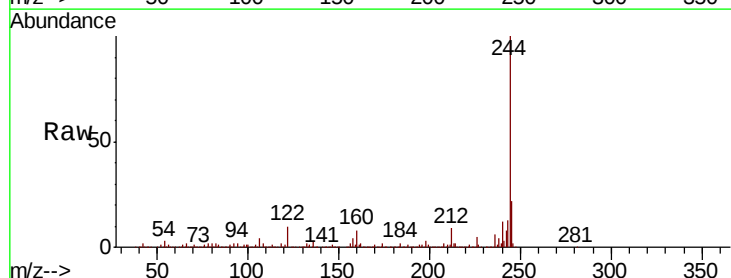
Tgt Ion:244 Resp: 1181885

Ion Ratio Lower Upper

244 100

212 8.6 7.0 10.6

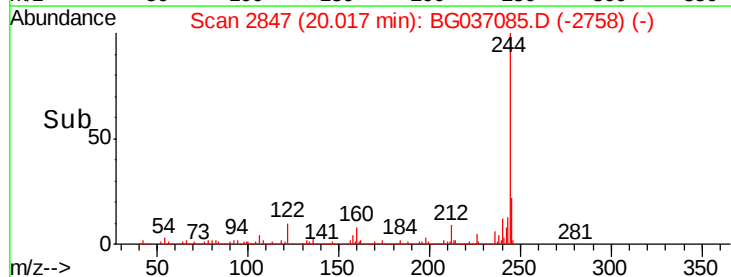
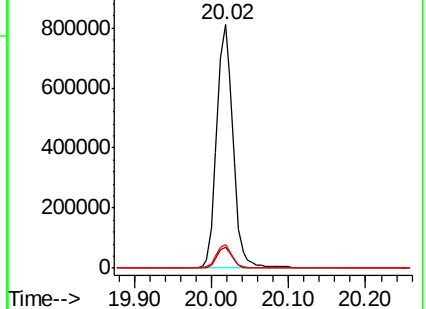
122 9.7 7.1 10.7

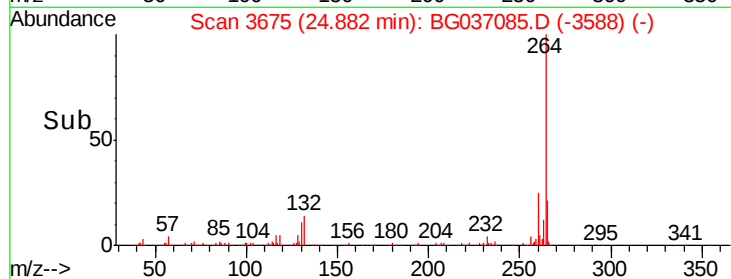
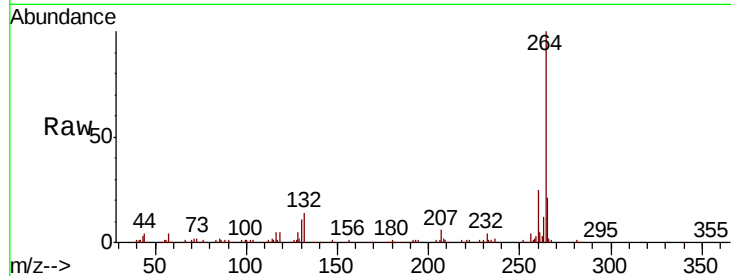
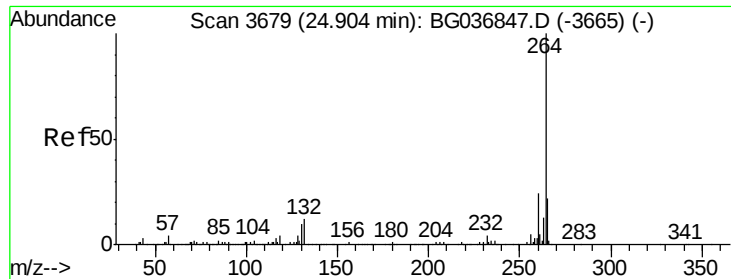


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#86
 Pervlene-d12
 Concen: 20.000 ng
 RT: 24.88 min Scan# 3675
 Delta R.T. -0.02 min
 Lab File: BG037085.D
 Acq: 1 Oct 2018 20:54

Instrument :
 BNA_G
 ClientSampleId :
 HC-SOIL-1

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.8	19.6	29.4
265	20.7	17.4	26.0

