

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG092418\
 Data File : BG036942.D
 Acq On : 25 Sep 2018 7:29
 Operator : JU/SJ
 Sample : J5057-10
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 HC-SOIL

Quant Time: Sep 25 08:13:17 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	37775	20.00	ng	0.00
21) Naphthalene-d8	10.85	136	156873	20.00	ng	0.00
38) Acenaphthene-d10	14.67	164	105788	20.00	ng	0.00
63) Phenanthrene-d10	17.41	188	278826	20.00	ng	0.00
75) Chrysene-d12	21.68	240	293050	20.00	ng	0.00
86) Perylene-d12	24.88	264	279817	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.62	112	246854	125.32	ng	0.00
7) Phenol-d6	7.20	99	319927	104.98	ng	0.00
23) Nitrobenzene-d5	9.21	82	260914	89.07	ng	0.00
41) 2,4,6-Tribromophenol	16.16	330	142607	112.67	ng	0.00
44) 2-Fluorobiphenyl	13.29	172	589861	83.05	ng	0.00
78) Terphenyl-d14	20.02	244	1093175	98.09	ng	0.00

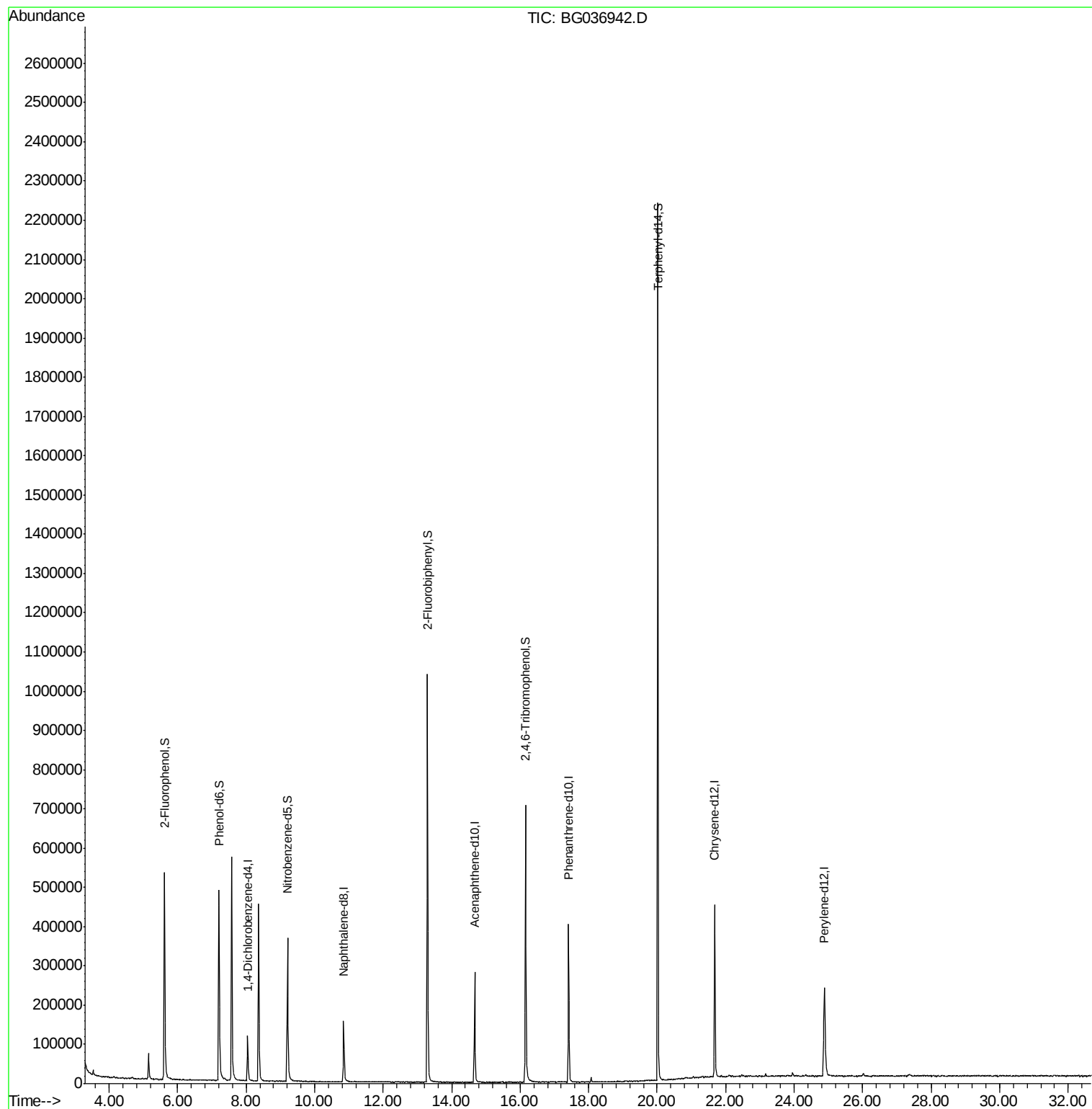
Target Compounds Qvalue

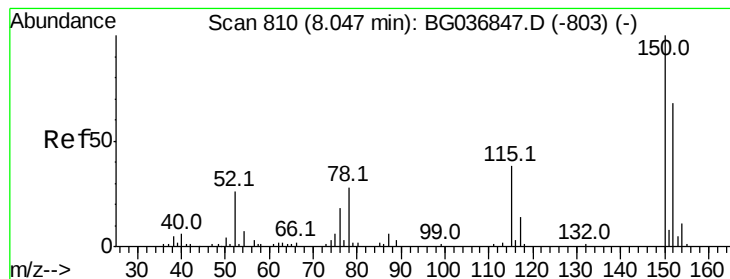
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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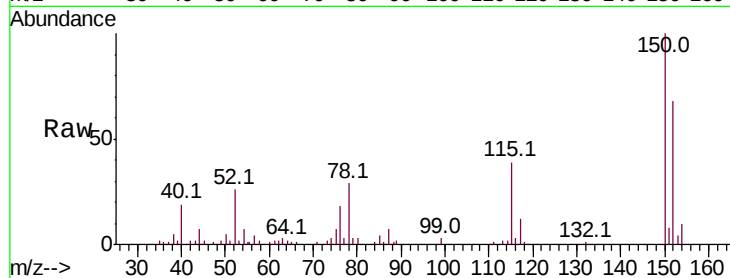


#1

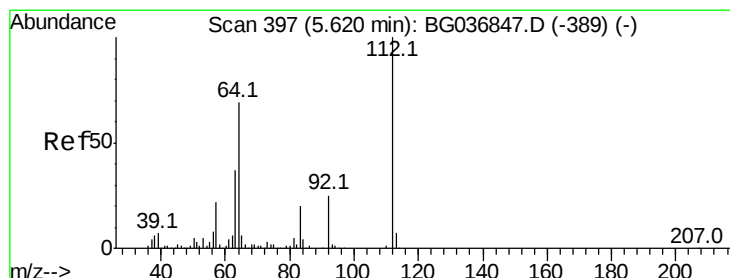
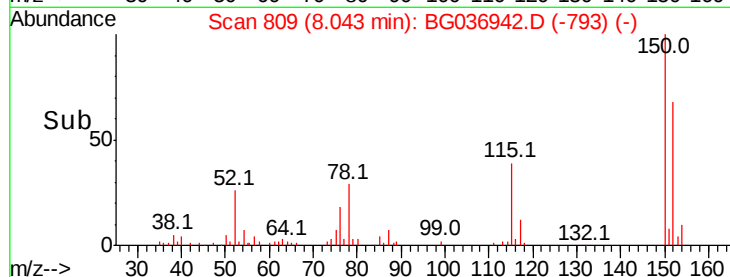
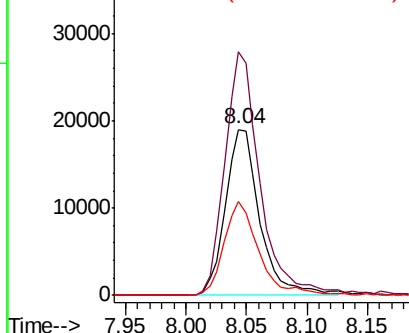
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 8.04 min Scan# 809
 Delta R.T. -0.00 min
 Lab File: BG036942.D
 Acq: 25 Sep 2018 7:29

Instrument :
 BNA_G
 ClientSampleId :
 HC-SOIL

Tot Ion	Ratio	Lower	Upper
152	100		
150	146.8	119.5	179.3
115	56.8	44.5	66.7



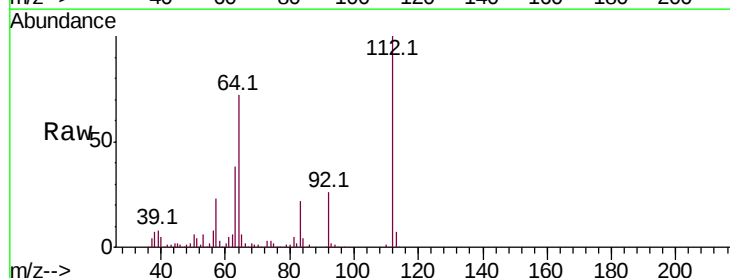
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



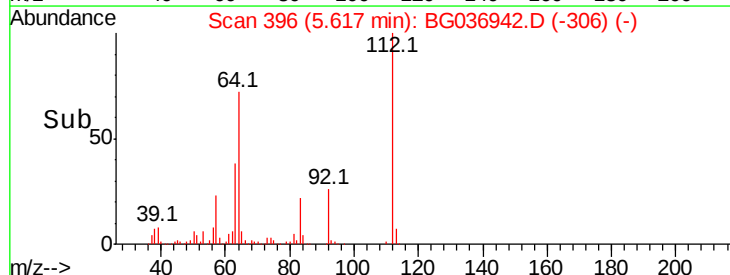
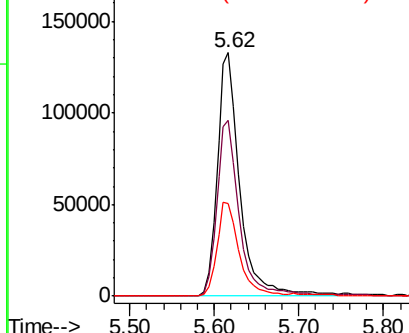
#5

2-Fluorophenol
 Concen: 125.324 ng
 RT: 5.62 min Scan# 396
 Delta R.T. -0.00 min
 Lab File: BG036942.D
 Acq: 25 Sep 2018 7:29

Tgt Ion	Ratio	Lower	Upper
112	100		
64	72.0	57.2	85.8
63	38.1	30.8	46.2



Abundance Ion 112.00 (111.70 to 112.70): E
 Ion 64.00 (63.70 to 64.70): BG
 Ion 63.00 (62.70 to 63.70): BG





#7

Phenol-d6

Concen: 104.980 ng

RT: 7.20 min Scan# 666

Delta R.T. -0.01 min

Lab File: BG036942.D

Acq: 25 Sep 2018 7:29

Instrument :

BNA_G

ClientSampleId :

HC-SOIL

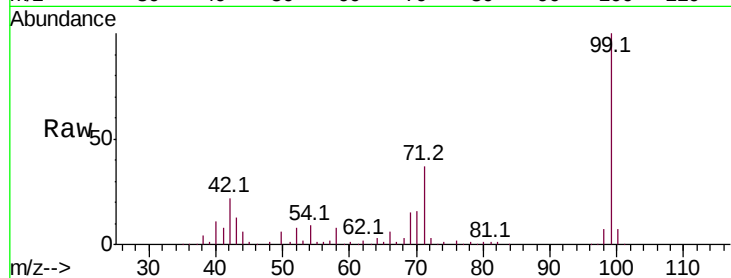
Tot Ion: 99 Resp: 319927

Ion Ratio Lower Upper

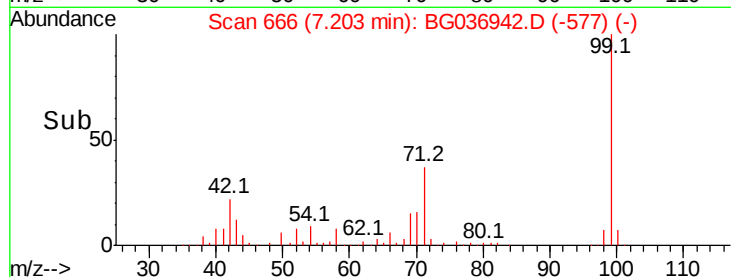
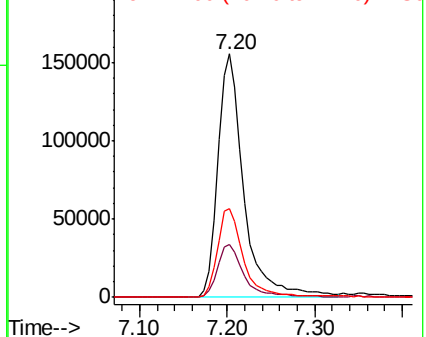
99 100

42 21.8 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: 10.85 min Scan# 1286

Delta R.T. -0.01 min

Lab File: BG036942.D

Acq: 25 Sep 2018 7:29

Tgt Ion:136 Resp: 156873

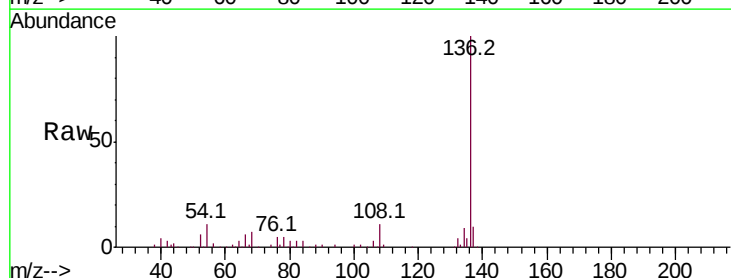
Ion Ratio Lower Upper

136 100

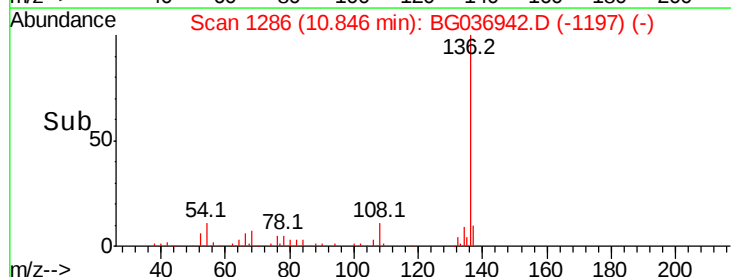
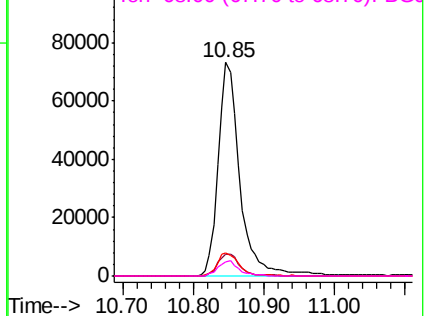
137 10.0 8.8 13.2

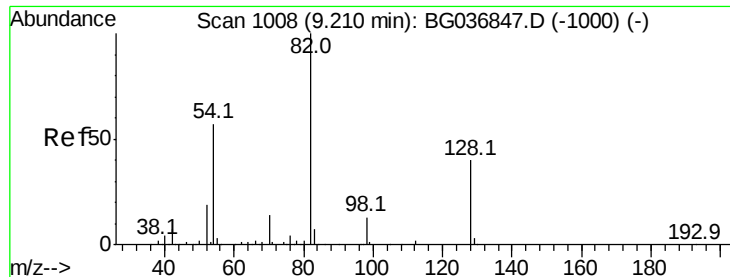
54 10.9 9.2 13.8

68 6.6 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

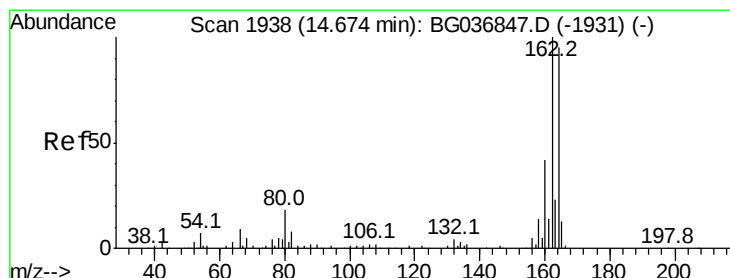
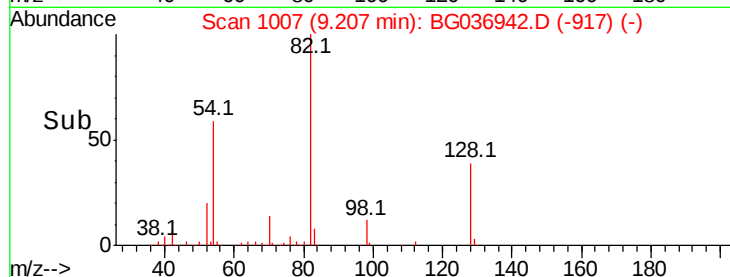
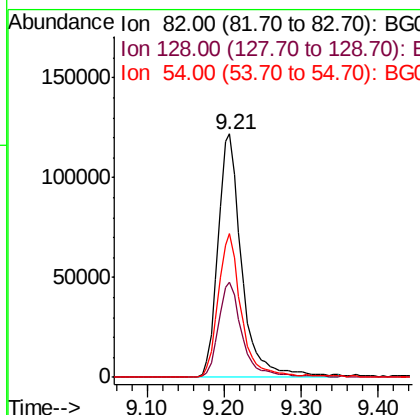
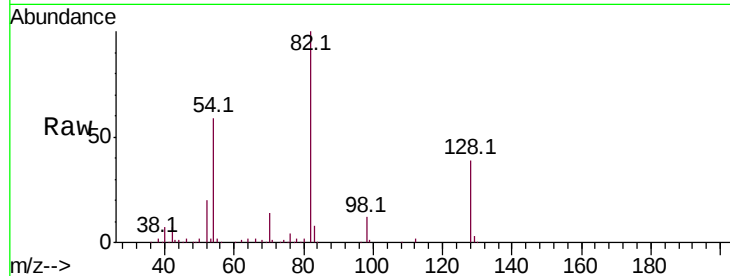




#23
 Nitrobenzene-d5
 Concen: 89.067 ng
 RT: 9.21 min Scan# 1007
 Delta R.T. -0.00 min
 Lab File: BG036942.D
 Acq: 25 Sep 2018 7:29

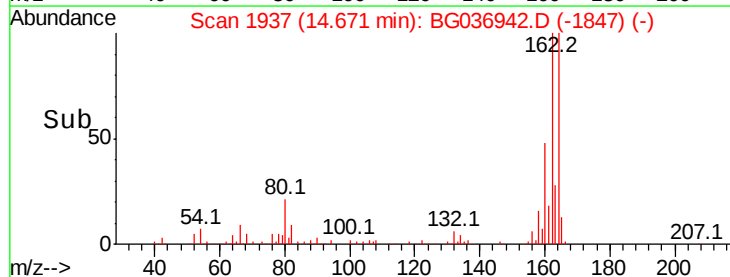
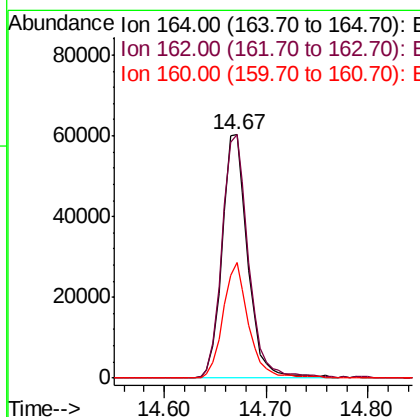
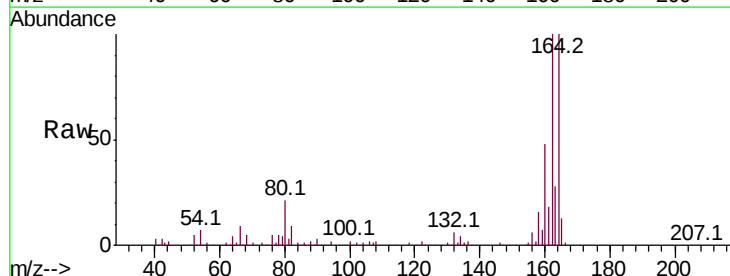
Instrument :
 BNA_G
 ClientSampleId :
 HC-SOIL

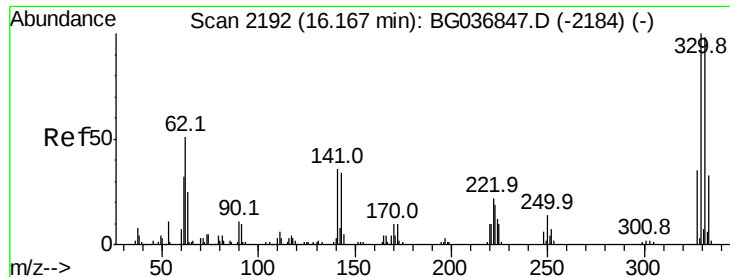
Tot Ion	Ratio	Lower	Upper
82	100		
128	39.2	33.3	49.9
54	58.9	45.1	67.7



#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 14.67 min Scan# 1937
 Delta R.T. -0.00 min
 Lab File: BG036942.D
 Acq: 25 Sep 2018 7:29

Tgt Ion	Ratio	Lower	Upper
164	100		
162	99.9	80.7	121.1
160	47.7	35.3	52.9





#41

2,4,6-Tribromophenol

Concen: 112.671 ng

RT: 16.16 min Scan# 2190

Delta R.T. -0.01 min

Lab File: BG036942.D

Acq: 25 Sep 2018 7:29

Instrument :

BNA_G

ClientSampleId :

HC-SOIL

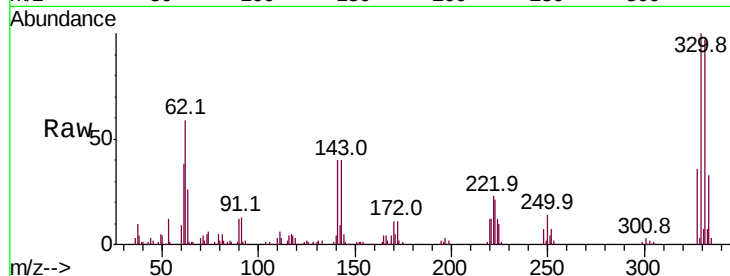
Tot Ion:330 Resp: 142607

Ion Ratio Lower Upper

330 100

332 94.3 75.4 113.2

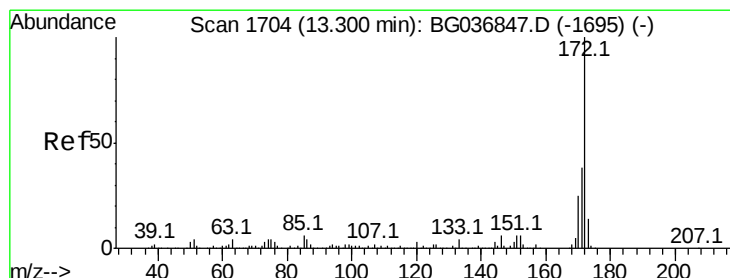
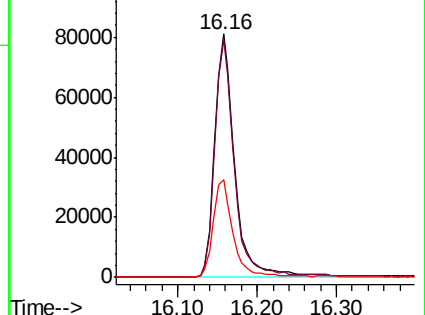
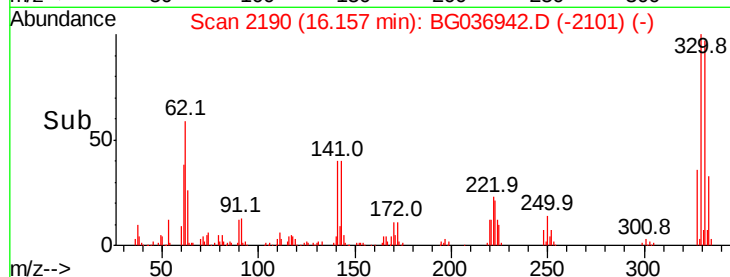
141 39.6 30.7 46.1



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: 83.047 ng

RT: 13.29 min Scan# 1702

Delta R.T. -0.01 min

Lab File: BG036942.D

Acq: 25 Sep 2018 7:29

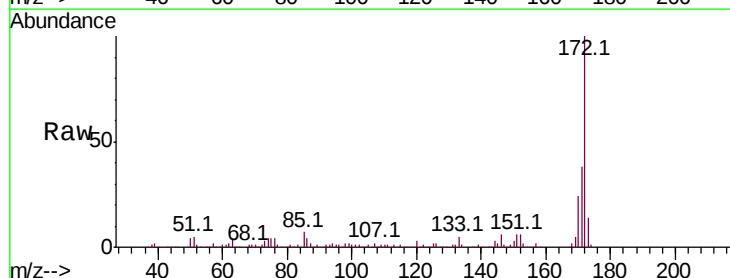
Tgt Ion:172 Resp: 589861

Ion Ratio Lower Upper

172 100

171 37.8 31.3 46.9

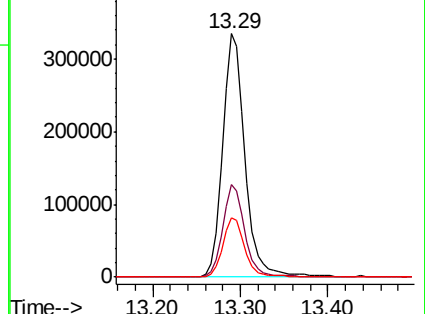
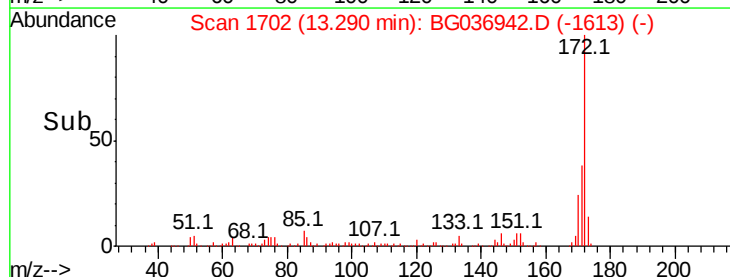
170 24.2 21.0 31.6



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# 2404

Delta R.T. -0.00 min

Lab File: BG036942.D

Acq: 25 Sep 2018 7:29

Instrument :

BNA_G

ClientSampleId :

HC-SOIL

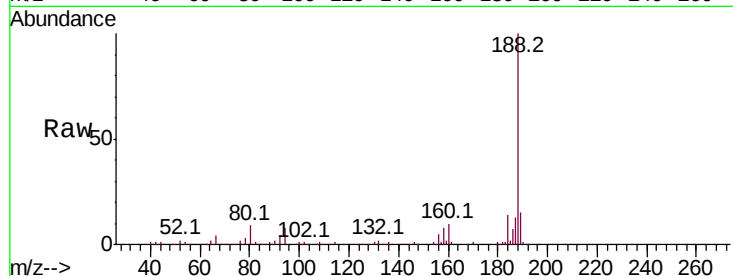
Tot Ion:188 Resp: 278826

Ion Ratio Lower Upper

188 100

94 7.8 6.7 10.1

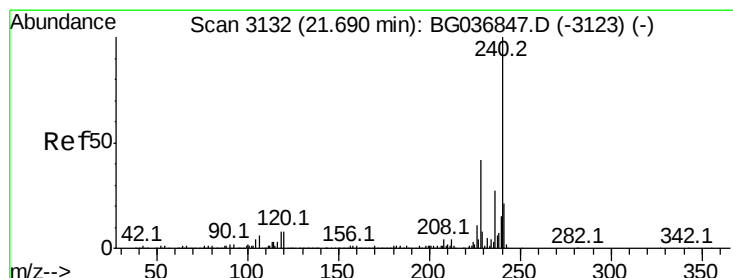
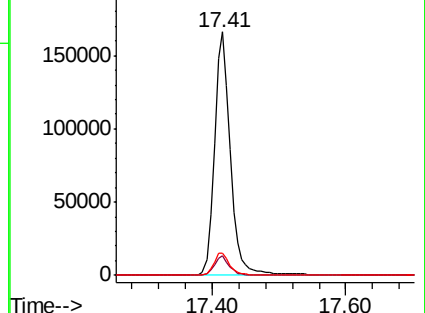
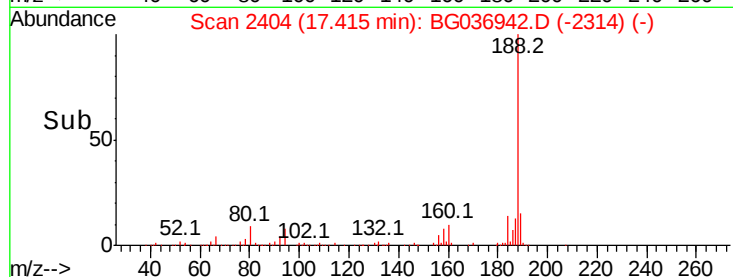
80 9.4 8.1 12.1



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: 21.68 min Scan# 3130

Delta R.T. -0.01 min

Lab File: BG036942.D

Acq: 25 Sep 2018 7:29

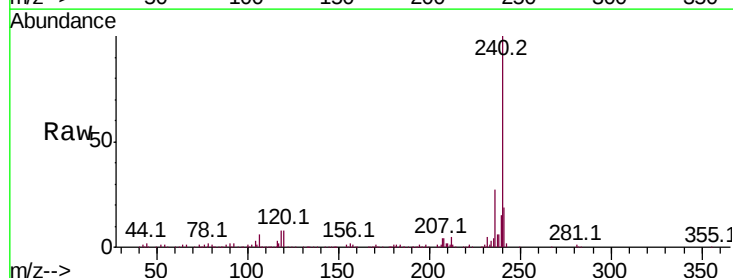
Tgt Ion:240 Resp: 293050

Ion Ratio Lower Upper

240 100

120 7.9 6.9 10.3

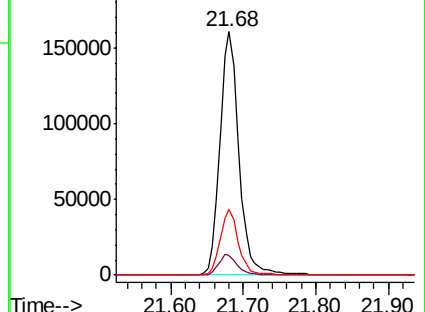
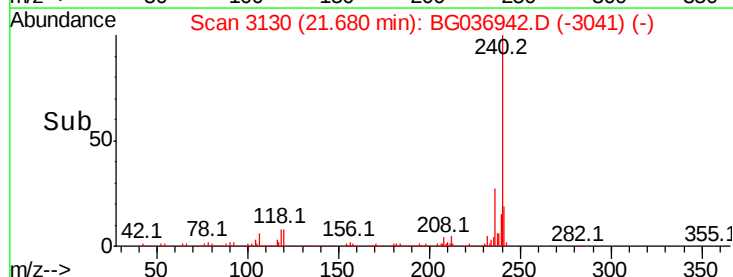
236 26.7 21.2 31.8



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



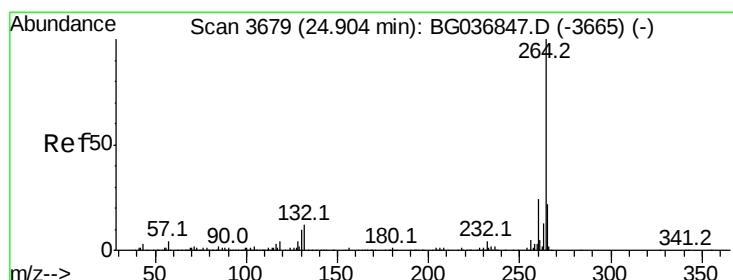
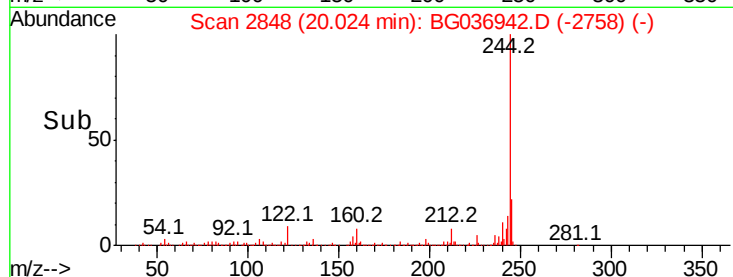
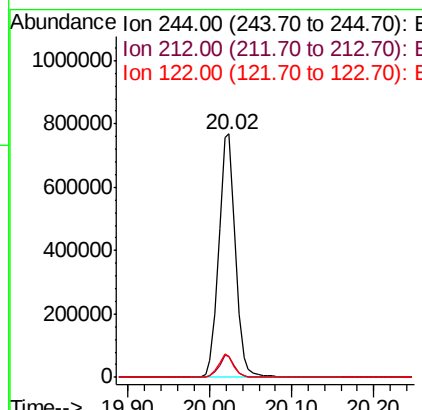
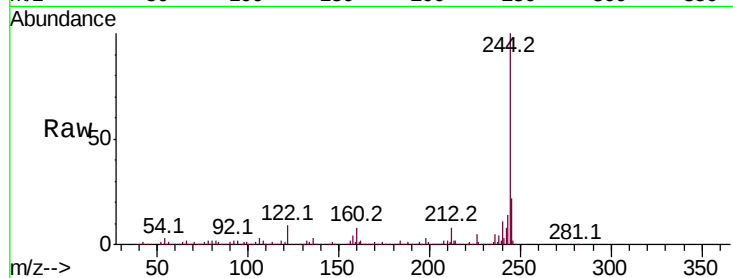


#78
 Terphenyl-d14
 Concen: 98.089 ng
 RT: 20.02 min Scan# 2848
 Delta R.T. -0.00 min
 Lab File: BG036942.D
 Acq: 25 Sep 2018 7:29

Instrument :
 BNA_G
 ClientSampled :
 HC-SOIL

Tot Ion:244 Resp: 1093175

Ion	Ratio	Lower	Upper
244	100		
212	8.4	7.0	10.6
122	8.6	7.1	10.7



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 24.88 min Scan# 3675
 Delta R.T. -0.02 min
 Lab File: BG036942.D
 Acq: 25 Sep 2018 7:29

Tgt Ion:264 Resp: 279817

Ion	Ratio	Lower	Upper
264	100		
260	23.9	19.6	29.4
265	21.5	17.4	26.0

