

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG062719\
 Data File : BG041490.D
 Acq On : 27 Jun 2019 14:22
 Operator : HP/JU
 Sample : K3524-01
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SOIL-001

Quant Time: Jun 28 06:46:38 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG062619.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jun 27 13:25:55 2019
 Response via : Initial Calibration

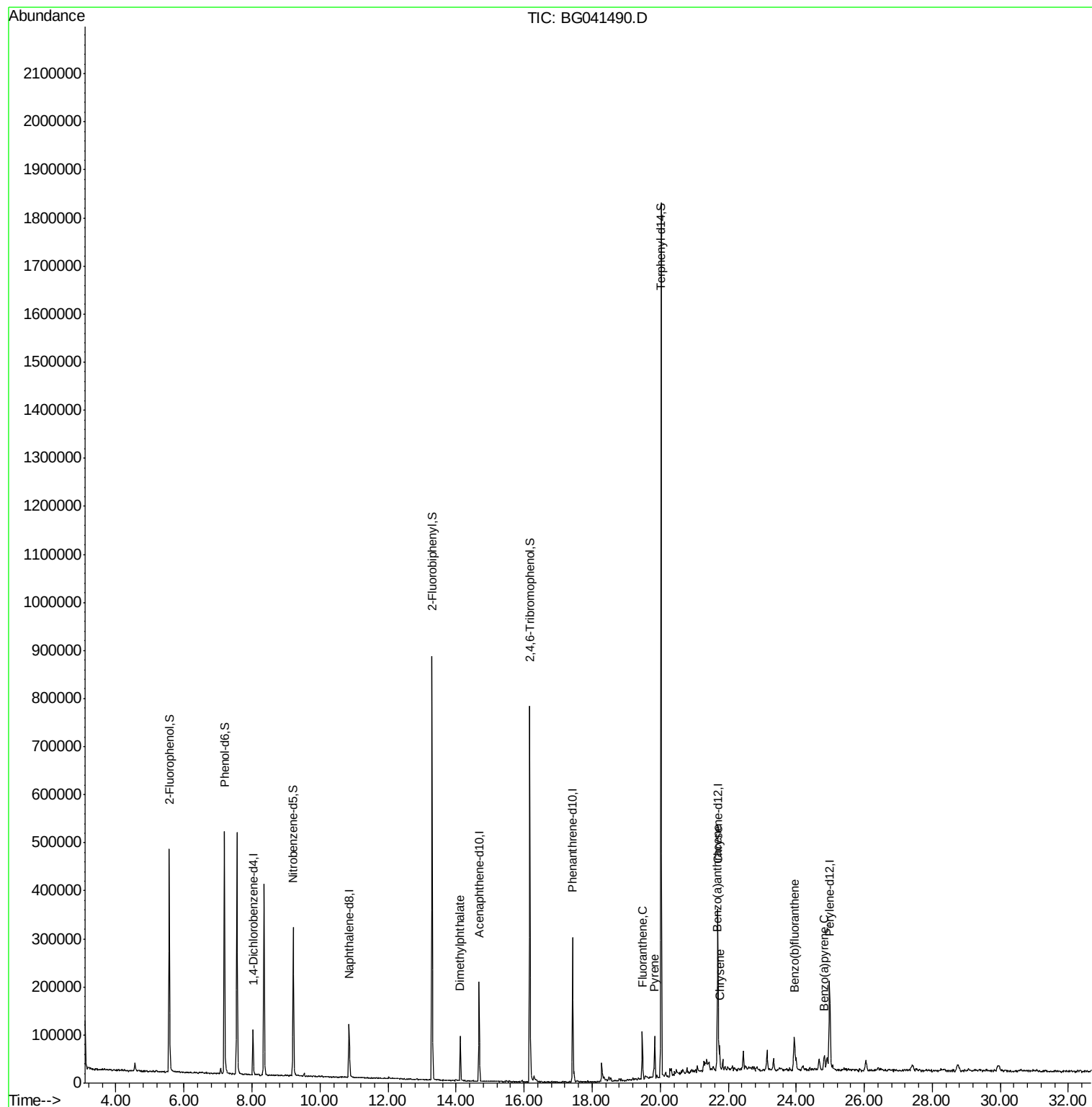
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.03	152	27231	20.00	ng	0.00
21) Naphthalene-d8	10.85	136	99543	20.00	ng	0.00
39) Acenaphthene-d10	14.67	164	74509	20.00	ng	0.00
64) Phenanthrene-d10	17.42	188	192284	20.00	ng	0.00
76) Chrysene-d12	21.70	240	197467	20.00	ng	0.00
87) Perylene-d12	24.98	264	213224	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.57	112	188255	123.25	ng	0.00
7) Phenol-d6	7.19	99	272658	126.81	ng	0.00
23) Nitrobenzene-d5	9.21	82	194597	81.53	ng	0.00
42) 2,4,6-Tribromophenol	16.17	330	157761	124.01	ng	0.00
45) 2-Fluorobiphenyl	13.29	172	445387	76.71	ng	0.00
79) Terphenyl-d14	20.03	244	839519	90.35	ng	0.00
Target Compounds						
50) Dimethylphthalate	14.12	163	64731	9.547	ng	99
75) Fluoranthene	19.47	202	65957	4.670	ng	97
78) Pyrene	19.84	202	60775	4.508	ng	97
81) Benzo(a)anthracene	21.68	228	36732	2.676	ng	96
83) Chrysene	21.74	228	37317	2.808	ng	97
88) Benzo(b)fluoranthene	23.93	252	53735	3.951	ng	96
90) Benzo(a)pyrene	24.82	252	34850	2.698	ng	96

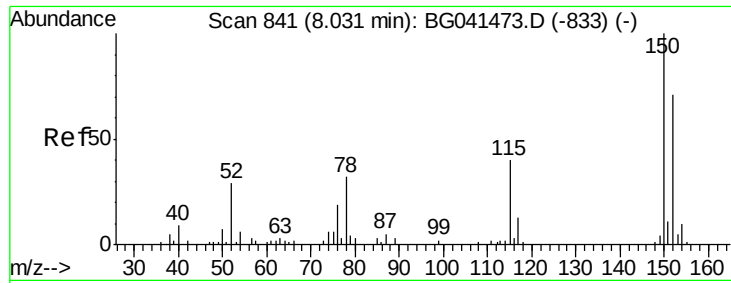
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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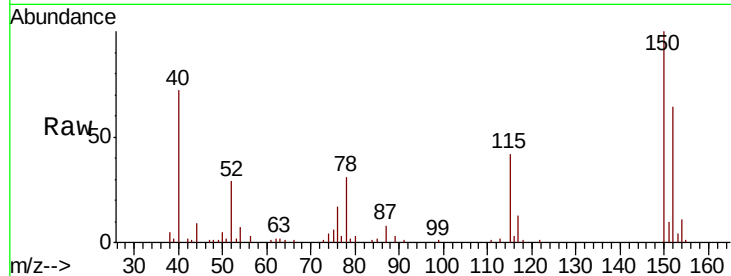


#1

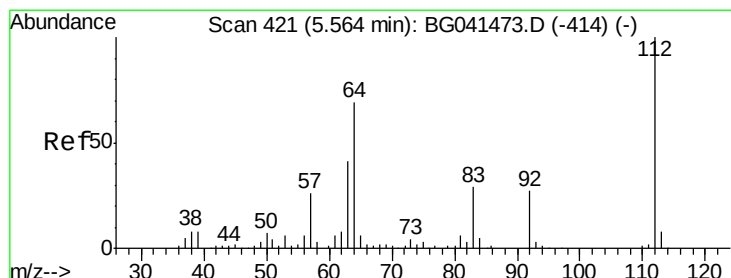
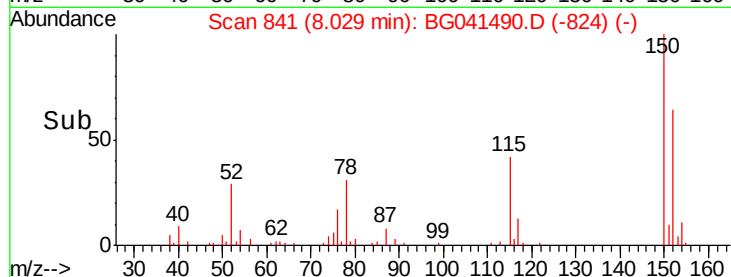
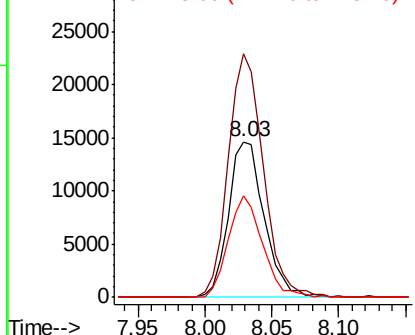
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.03 min Scan# 841
Delta R.T. -0.00 min
Lab File: BG041490.D
Acq: 27 Jun 2019 14:22

Instrument :
BNA_G
ClientSampleId :
SOIL-001

Tot Ion:152 Resp: 27231
Ion Ratio Lower Upper
152 100
150 156.3 112.4 168.6
115 65.2 44.6 66.8



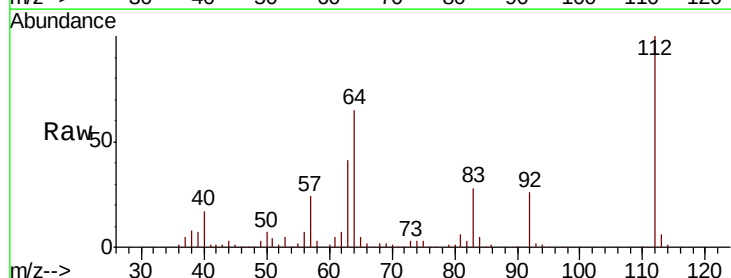
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



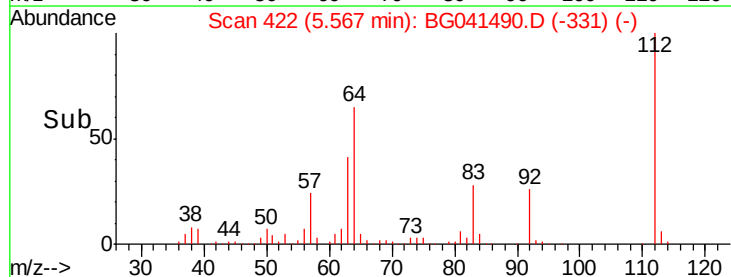
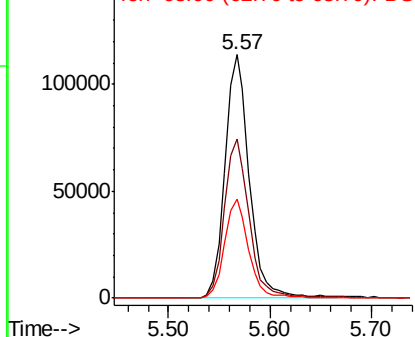
#5

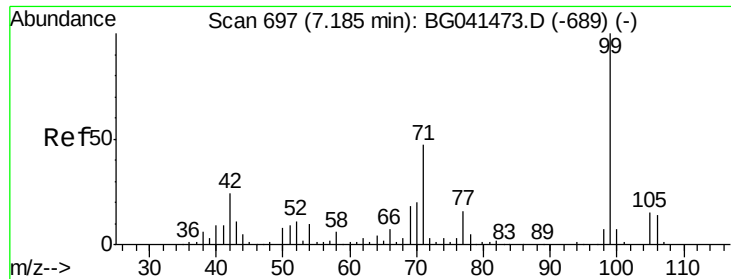
2-Fluorophenol
Concen: 123.253 ng
RT: 5.57 min Scan# 422
Delta R.T. 0.00 min
Lab File: BG041490.D
Acq: 27 Jun 2019 14:22

Tgt Ion:112 Resp: 188255
Ion Ratio Lower Upper
112 100
64 65.4 55.1 82.7
63 40.6 32.4 48.6



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: 126.808 ng

RT: 7.19 min Scan# 698

Delta R.T. 0.00 min

Lab File: BG041490.D

Acq: 27 Jun 2019 14:22

Instrument :

BNA_G

ClientSampleId :

SOIL-001

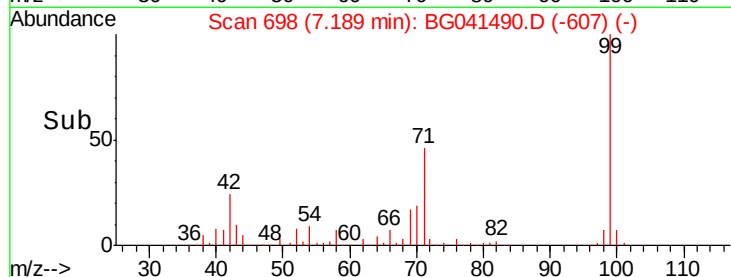
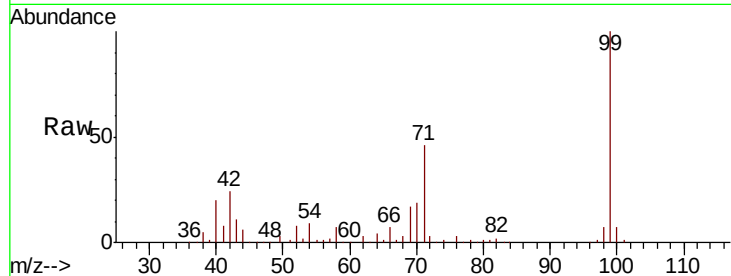
Tot Ion: 99 Resp: 272658

Ion Ratio Lower Upper

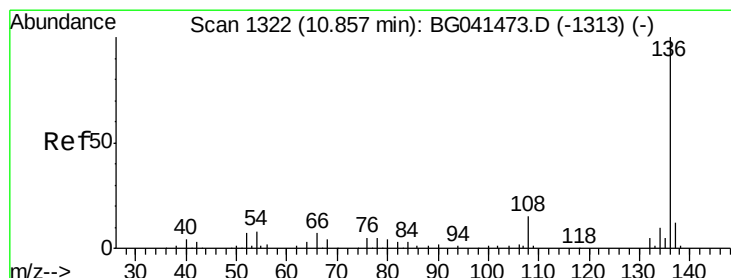
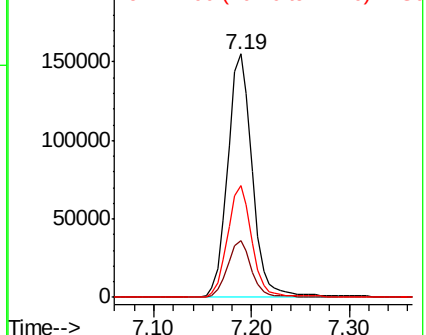
99 100

42 23.5 19.0 28.6

71 45.9 37.4 56.2



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# 1322

Delta R.T. -0.00 min

Lab File: BG041490.D

Acq: 27 Jun 2019 14:22

Tgt Ion: 136 Resp: 99543

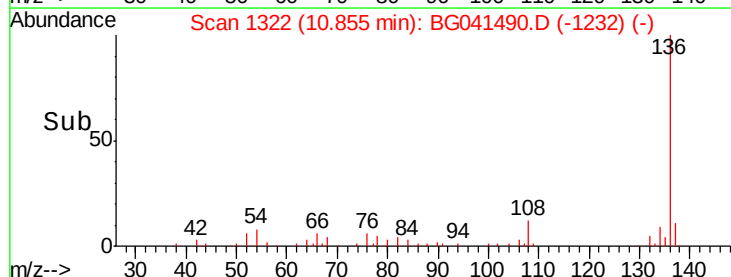
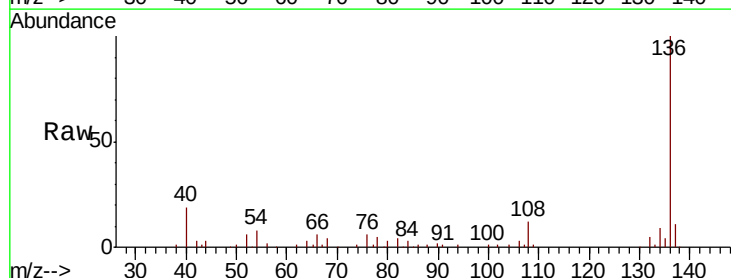
Ion Ratio Lower Upper

136 100

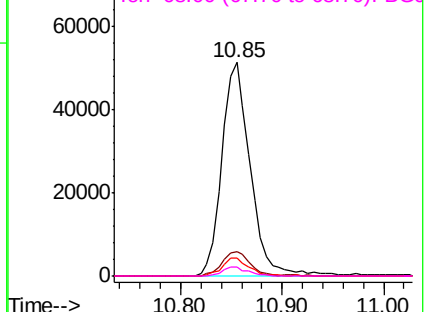
137 11.3 9.3 13.9

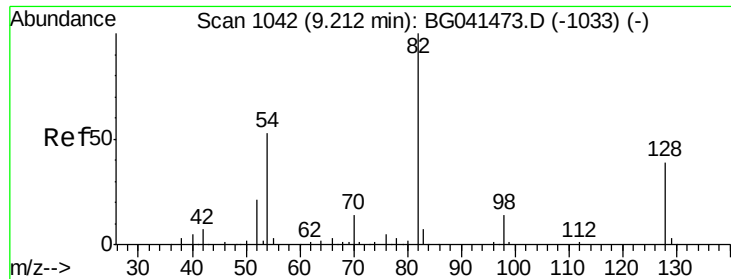
54 8.1 7.1 10.7

68 4.0 3.3 4.9



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

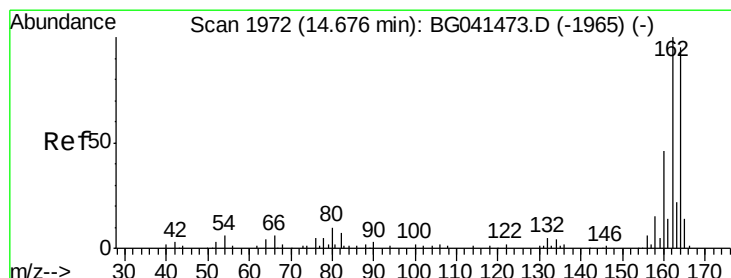
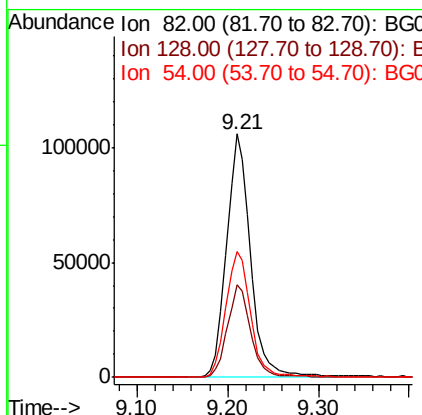
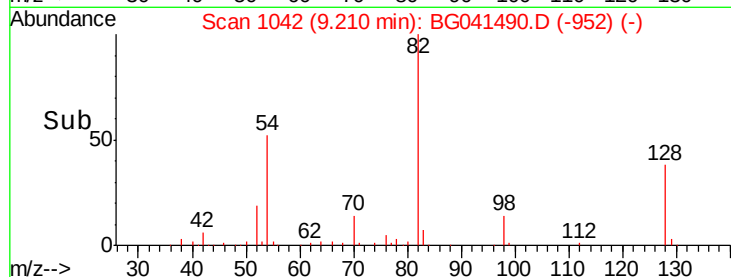
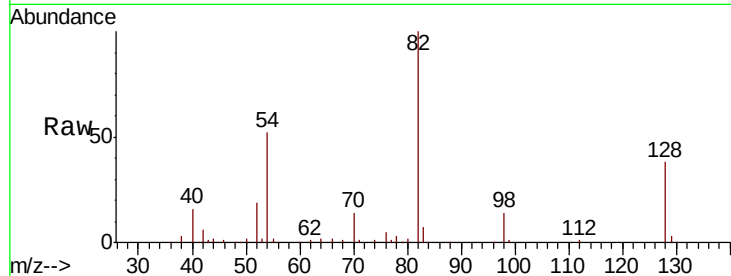




#23
 Nitrobenzene-d5
 Concen: 81.533 ng
 RT: 9.21 min Scan# 1042
 Delta R.T. -0.00 min
 Lab File: BG041490.D
 Acq: 27 Jun 2019 14:22

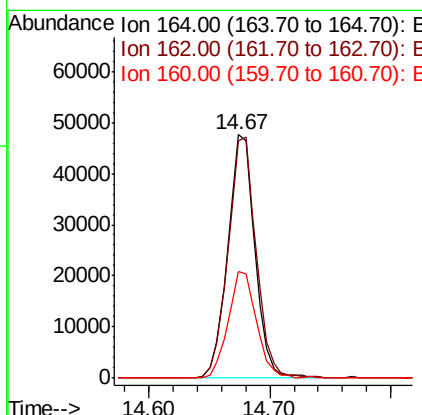
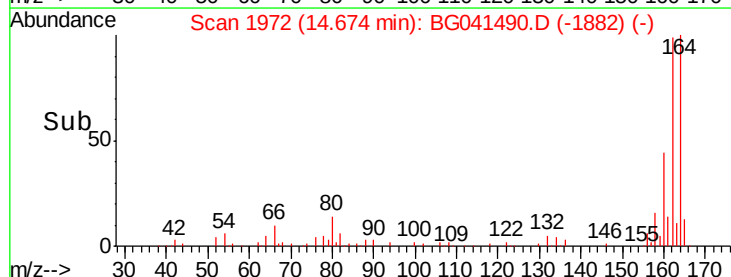
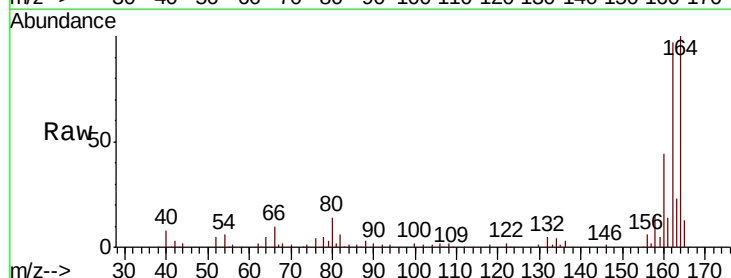
Instrument :
 BNA_G
 ClientSampled :
 SOIL-001

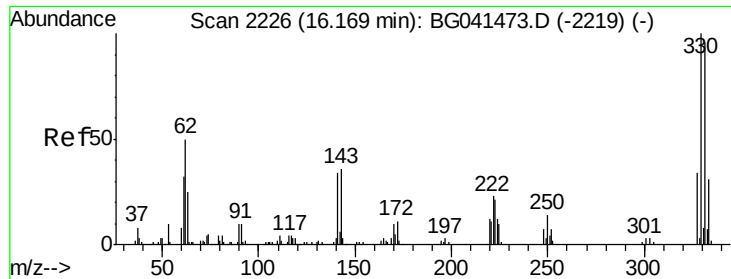
Tot Ion	82	Resp	194597
Ion Ratio	100	Lower	Upper
128	38.2	30.9	46.3
54	51.8	42.2	63.2



#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 14.67 min Scan# 1972
 Delta R.T. -0.00 min
 Lab File: BG041490.D
 Acq: 27 Jun 2019 14:22

Tgt Ion	164	Resp	74509
Ion Ratio	100	Lower	Upper
162	97.4	84.4	126.6
160	43.6	38.8	58.2





#42

2,4,6-Tribromophenol

Concen: 124.007 ng

RT: 16.17 min Scan# 2227

Delta R.T. 0.00 min

Lab File: BG041490.D

Acq: 27 Jun 2019 14:22

Instrument :

BNA_G

ClientSampleId :

SOIL-001

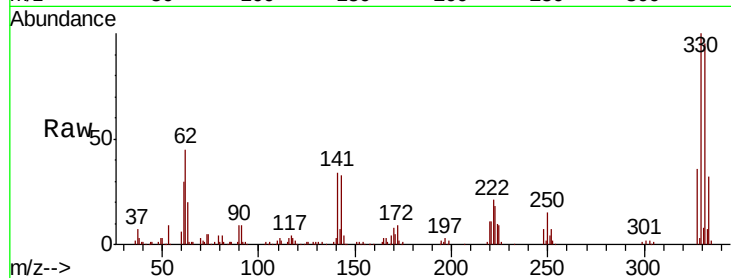
Tot Ion:330 Resp: 157761

Ion Ratio Lower Upper

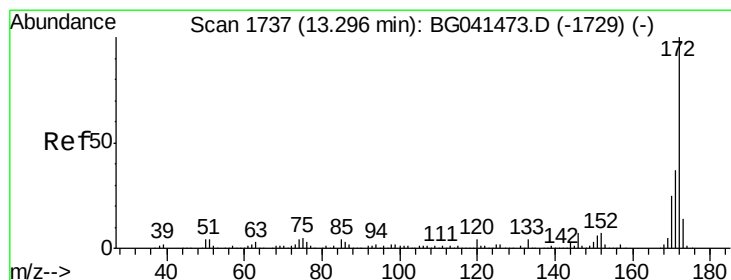
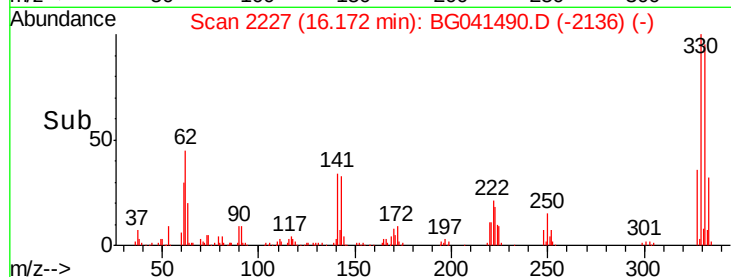
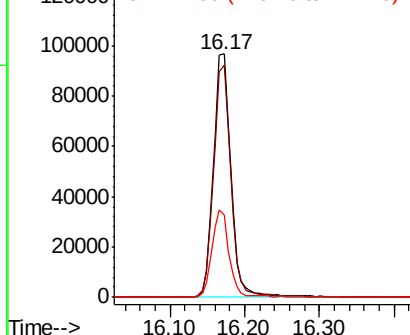
330 100

332 94.1 75.5 113.3

141 34.2 27.8 41.6



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: 76.708 ng

RT: 13.29 min Scan# 1737

Delta R.T. -0.00 min

Lab File: BG041490.D

Acq: 27 Jun 2019 14:22

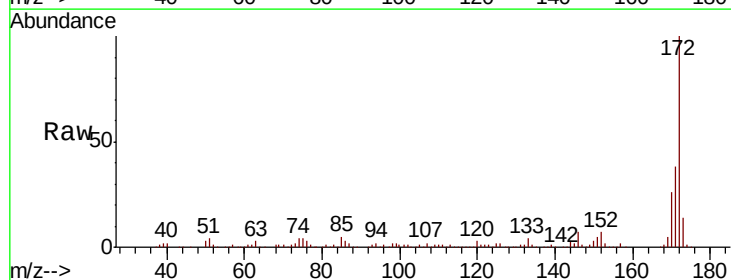
Tgt Ion:172 Resp: 445387

Ion Ratio Lower Upper

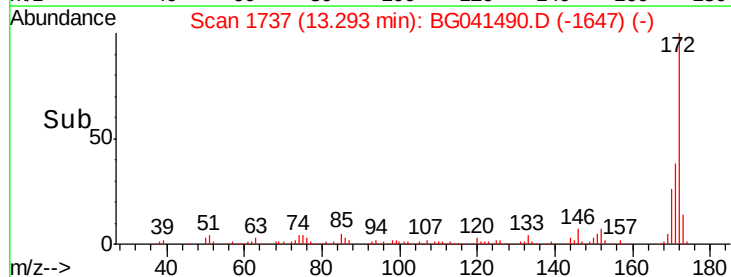
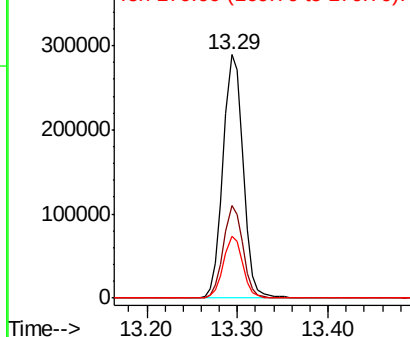
172 100

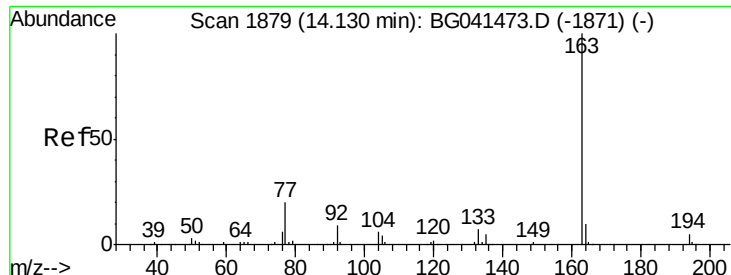
171 38.0 29.6 44.4

170 25.6 20.0 30.0



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





#50

Dimethylphthalate

Concen: 9.547 ng

RT: 14.12 min Scan# 1878

Delta R.T. -0.01 min

Lab File: BG041490.D

Acq: 27 Jun 2019 14:22

Instrument :

BNA_G

ClientSampled :

SOIL-001

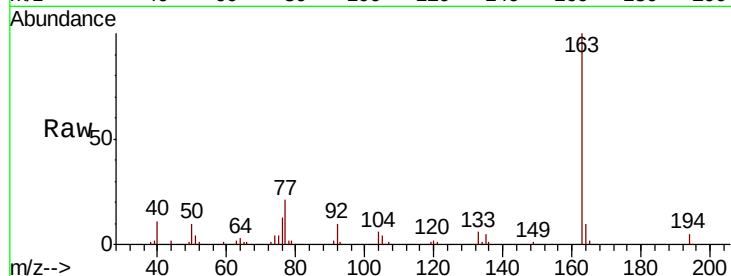
Tot Ion:163 Resp: 64731

Ion Ratio Lower Upper

163 100

194 5.3 3.7 5.5

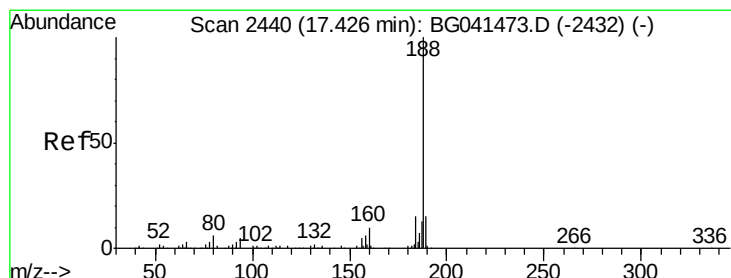
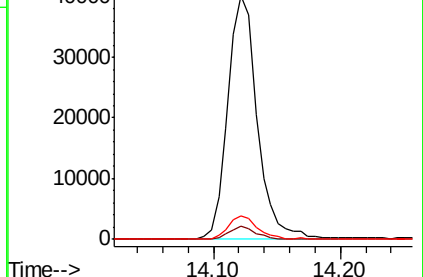
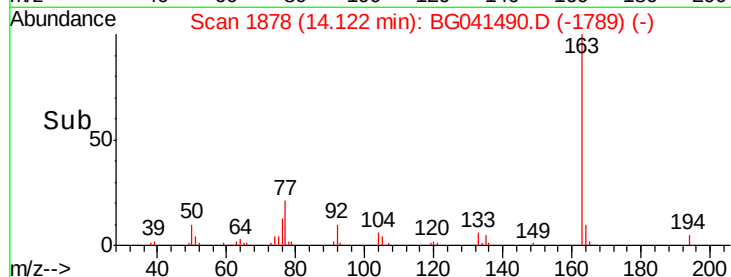
164 9.8 7.8 11.6



Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.42 min Scan# 2440

Delta R.T. -0.00 min

Lab File: BG041490.D

Acq: 27 Jun 2019 14:22

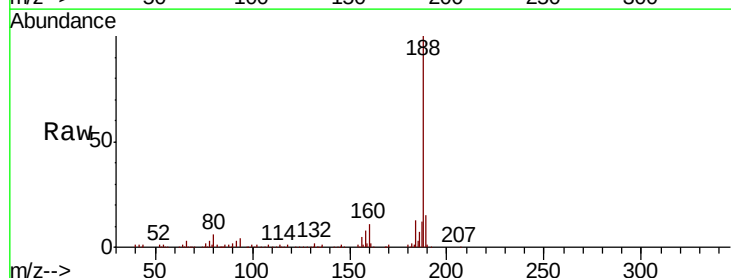
Tgt Ion:188 Resp: 192284

Ion Ratio Lower Upper

188 100

94 4.4 3.8 5.8

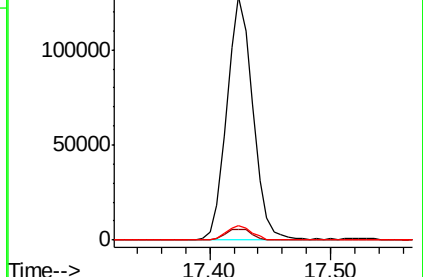
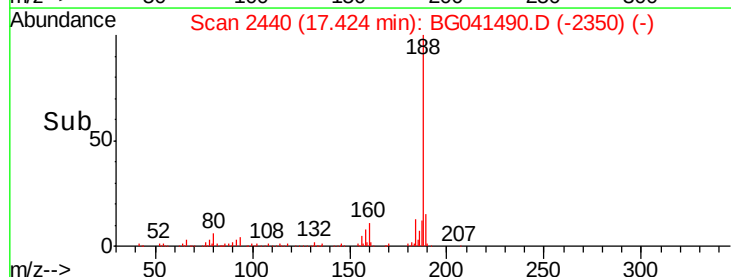
80 5.9 4.8 7.2

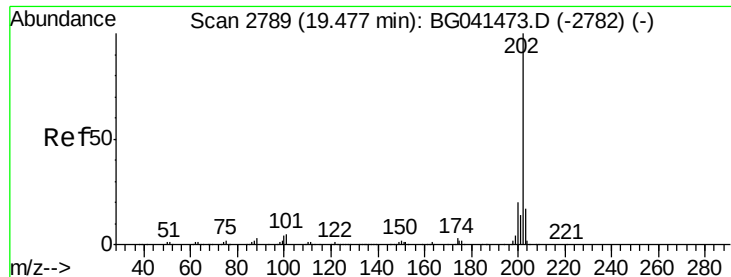


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC





#75

Fluoranthene

Concen: 4.670 ng

RT: 19.47 min Scan# 2789

Delta R.T. -0.00 min

Lab File: BG041490.D

Acq: 27 Jun 2019 14:22

Instrument :

BNA_G

ClientSampleId :

SOIL-001

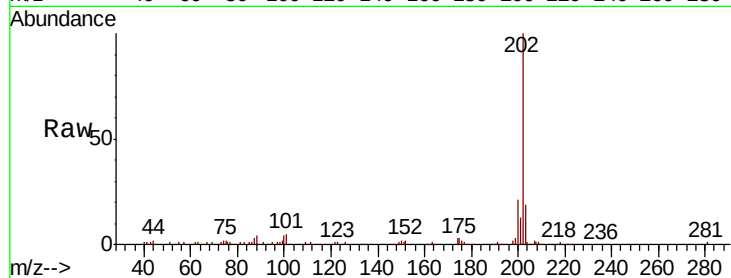
Tot Ion:202 Resp: 65957

Ion Ratio Lower Upper

202 100

101 5.5 0.0 24.9

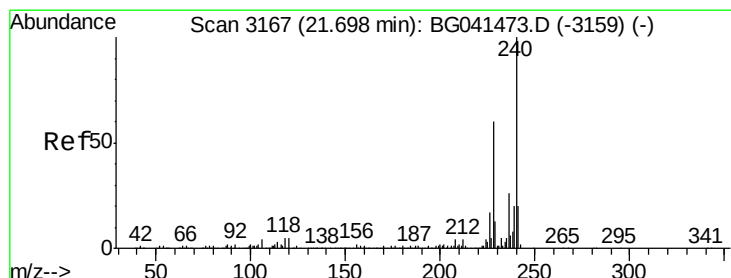
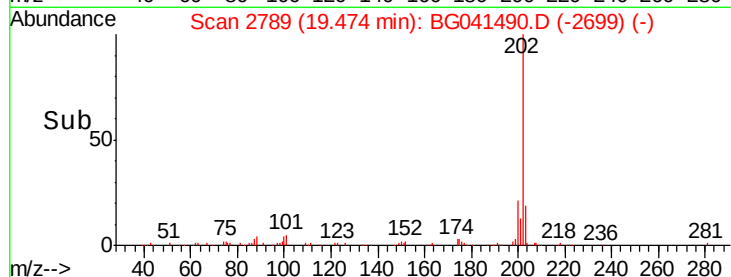
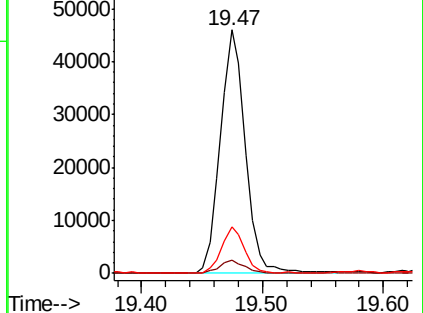
203 18.9 0.0 37.5



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.70 min Scan# 3167

Delta R.T. -0.00 min

Lab File: BG041490.D

Acq: 27 Jun 2019 14:22

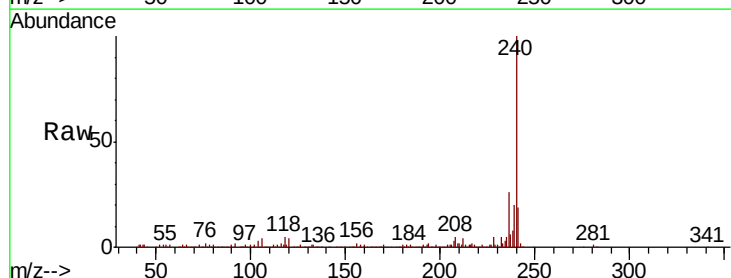
Tgt Ion:240 Resp: 197467

Ion Ratio Lower Upper

240 100

120 4.0 3.7 5.5

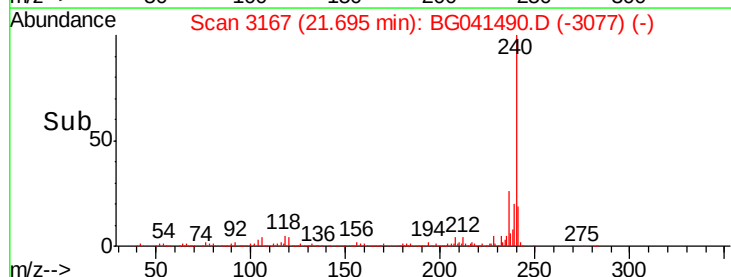
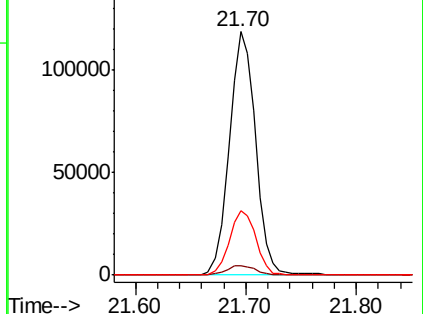
236 26.4 20.8 31.2

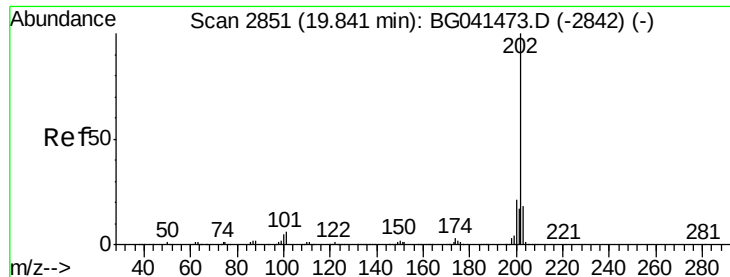


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

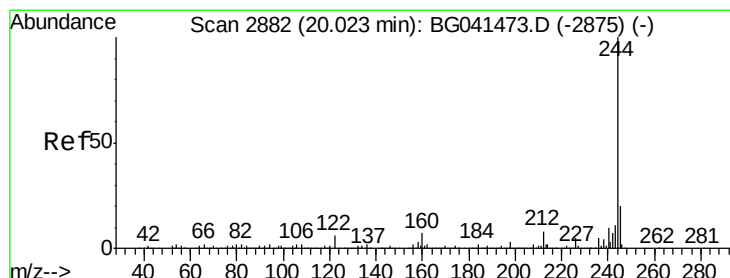
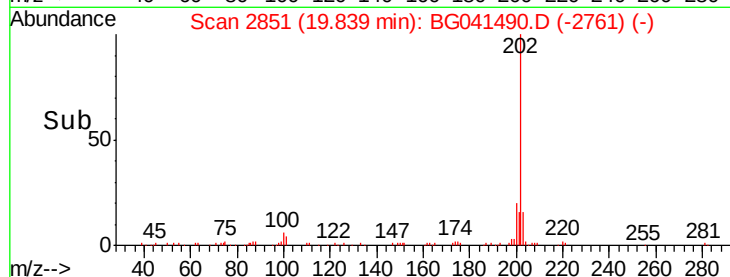
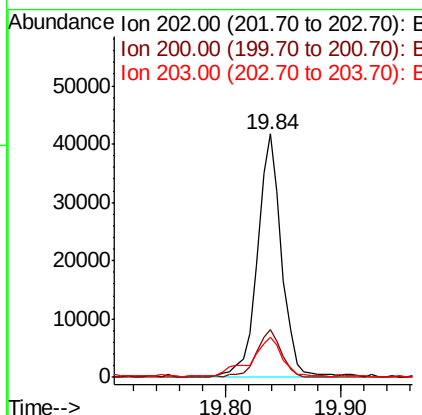
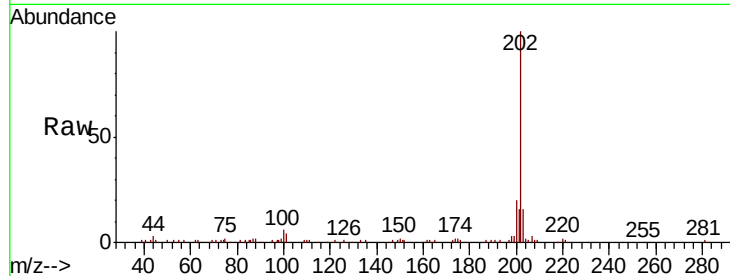




#78
Pvrene
Concen: 4.508 ng
RT: 19.84 min Scan# 2851
Delta R.T. -0.00 min
Lab File: BG041490.D
Acq: 27 Jun 2019 14:22

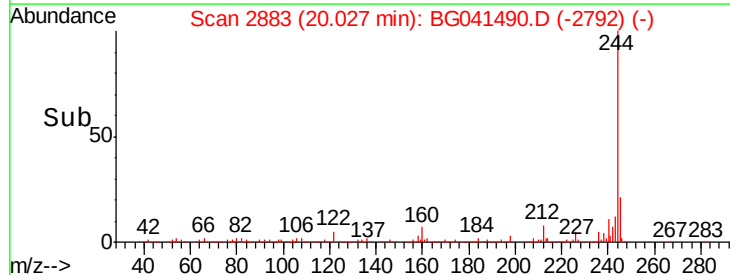
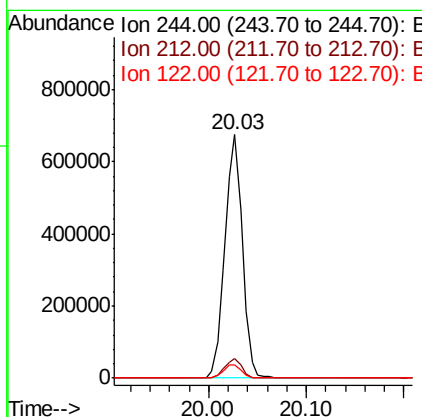
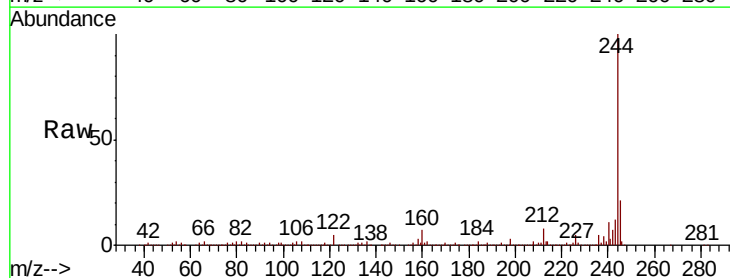
Instrument :
BNA_G
ClientSampleId :
SOIL-001

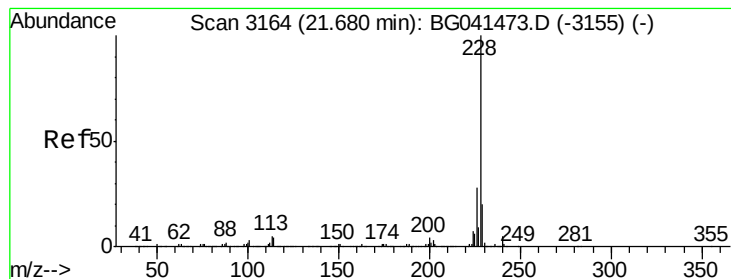
Tot Ion	Ratio	Lower	Upper
202	100		
200	19.8	16.8	25.2
203	16.3	14.2	21.4



#79
Terphenyl-d14
Concen: 90.347 ng
RT: 20.03 min Scan# 2883
Delta R.T. 0.00 min
Lab File: BG041490.D
Acq: 27 Jun 2019 14:22

Tgt Ion	Ratio	Lower	Upper
244	100		
212	8.1	6.2	9.4
122	5.4	4.8	7.2





#81

Benzo(a)anthracene

Concen: 2.676 ng

RT: 21.68 min Scan# 3164

Delta R.T. -0.00 min

Lab File: BG041490.D

Acq: 27 Jun 2019 14:22

Instrument :

BNA_G

ClientSampleId :

SOIL-001

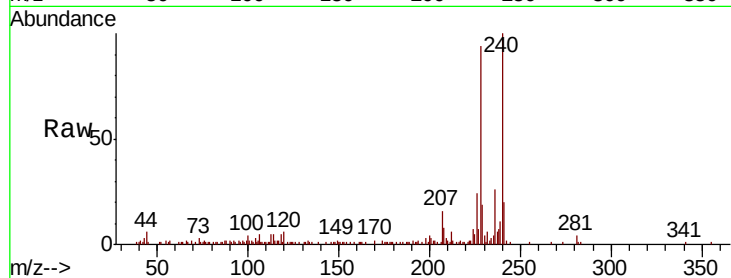
Tot Ion:228 Resp: 36732

Ion Ratio Lower Upper

228 100

226 25.4 22.6 33.8

229 20.6 16.1 24.1

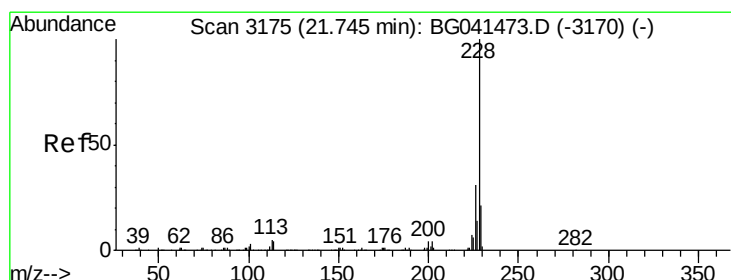
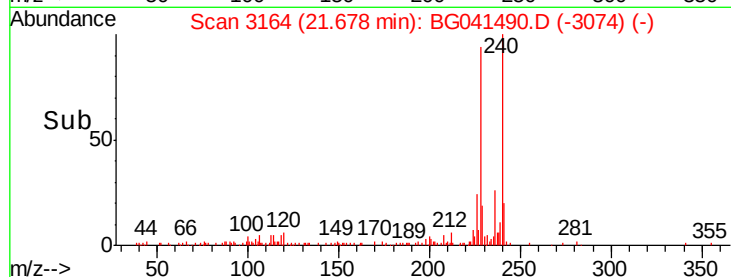
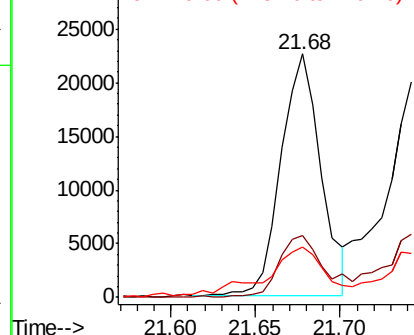


Abundance

Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#83

Chrysene

Concen: 2.808 ng

RT: 21.74 min Scan# 3175

Delta R.T. -0.00 min

Lab File: BG041490.D

Acq: 27 Jun 2019 14:22

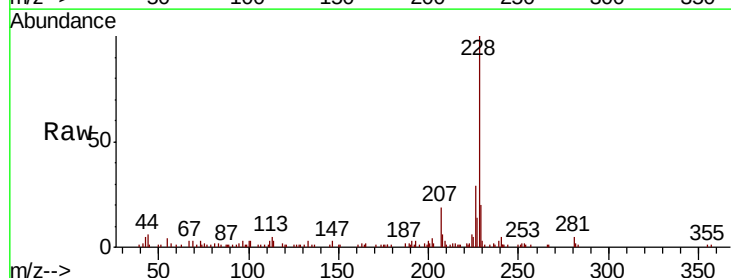
Tgt Ion:228 Resp: 37317

Ion Ratio Lower Upper

228 100

226 29.3 25.0 37.4

229 20.3 16.8 25.2

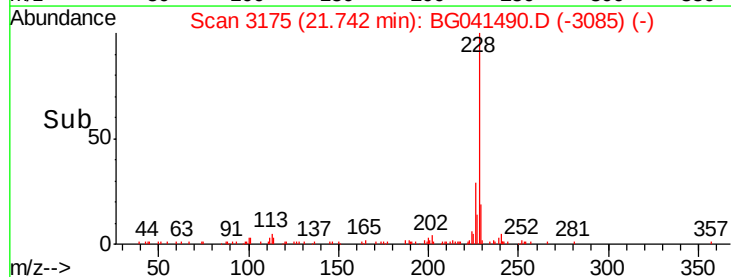
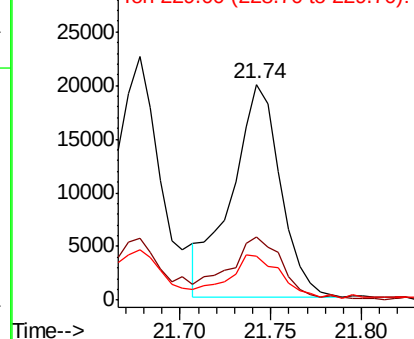


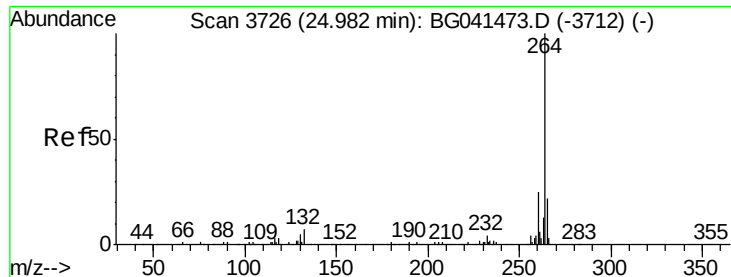
Abundance

Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#87

Pervlene-d12

Concen: 20.000 ng

RT: 24.98 min Scan# 3726

Delta R.T. -0.00 min

Lab File: BG041490.D

Acq: 27 Jun 2019 14:22

Instrument :

BNA_G

ClientSampleId :

SOIL-001

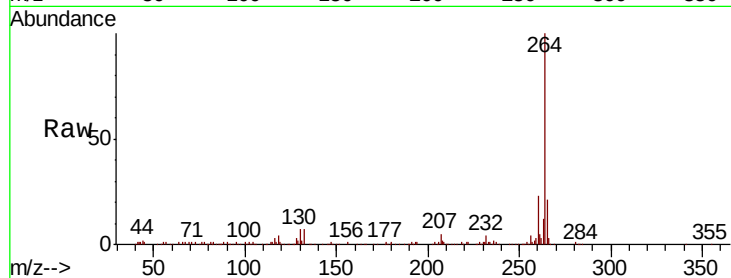
Tot Ion:264 Resp: 213224

Ion	Ratio	Lower	Upper
264	100		
260	22.5	19.7	29.5
265	21.2	17.4	26.2

264 100

260 22.5 19.7 29.5

265 21.2 17.4 26.2

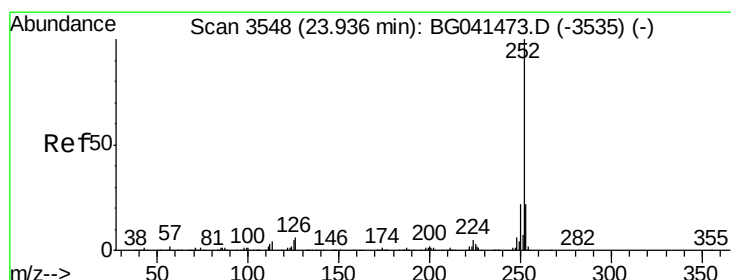
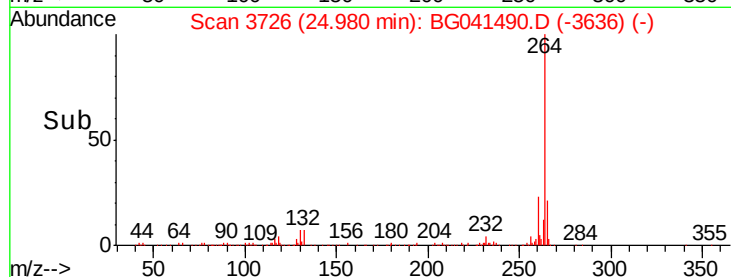
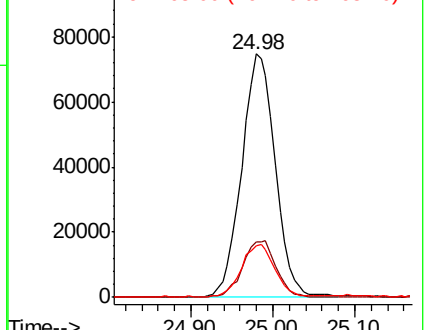


Abundance

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



#88

Benzo(b)fluoranthene

Concen: 3.951 ng

RT: 23.93 min Scan# 3548

Delta R.T. -0.00 min

Lab File: BG041490.D

Acq: 27 Jun 2019 14:22

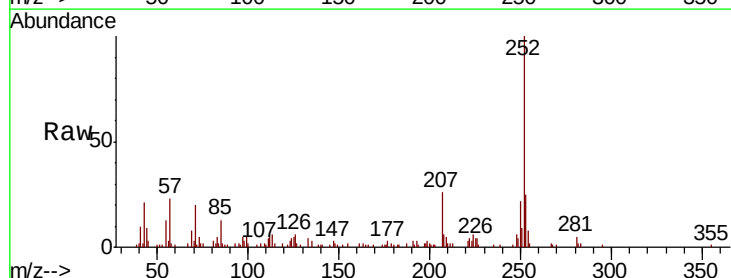
Tgt Ion:252 Resp: 53735

Ion	Ratio	Lower	Upper
252	100		
253	24.5	18.0	27.0
125	5.5	3.8	5.8

252 100

253 24.5 18.0 27.0

125 5.5 3.8 5.8

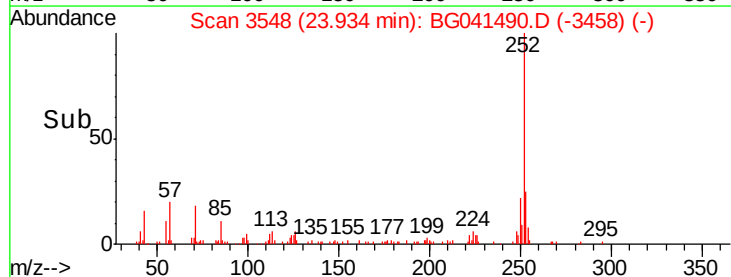
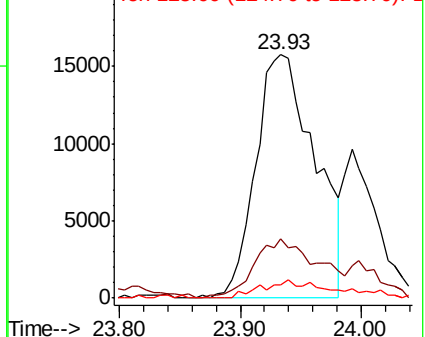


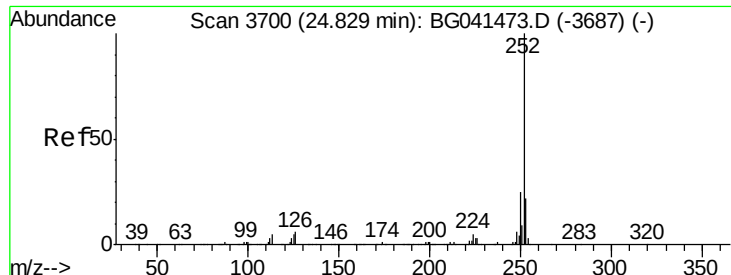
Abundance

Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#90

Benzo(a)pyrene

Concen: 2.698 ng

RT: 24.82 min Scan# 3699

Delta R.T. -0.01 min

Lab File: BG041490.D

Acq: 27 Jun 2019 14:22

Instrument :

BNA_G

ClientSampleId :

SOIL-001

Tot Ion: 252 Resp: 34850

Ion Ratio Lower Upper

252 100

253 24.0 17.5 26.3

125 5.3 4.4 6.6

