

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 05:51:40 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

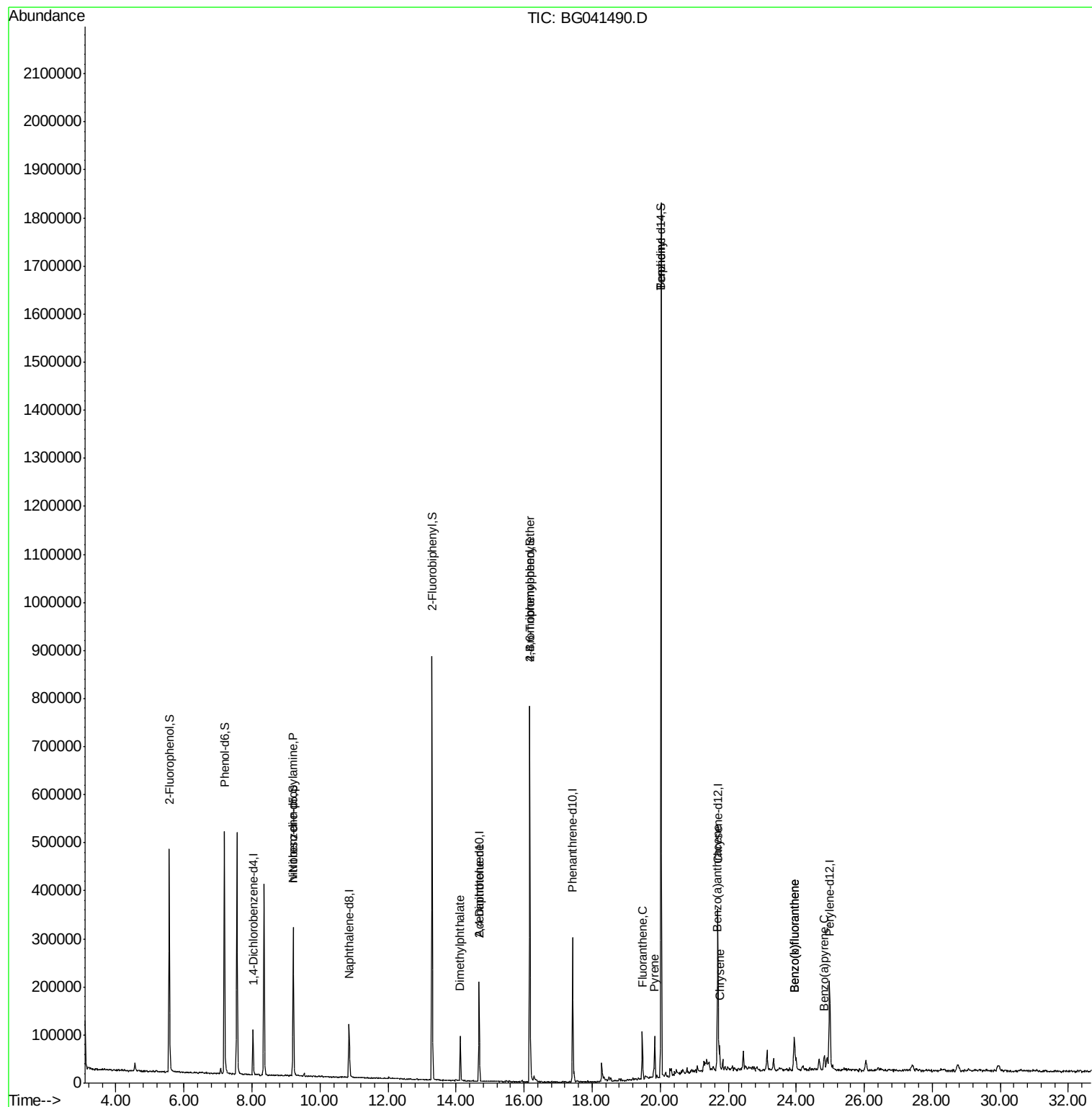
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.03	152	27231	20.00	ng	0.00
21) Naphthalene-d8	10.85	136	99543	20.00	ng	0.00
39) Acenaphthene-d10	14.67	164	74509	20.00	ng	0.00
64) Phenanthrene-d10	17.42	188	192284	20.00	ng	0.00
76) Chrysene-d12	21.70	240	197467	20.00	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						
19) n-Nitroso-di-n-propylamine	9.21	70	27873	17.379	ng	Qvalue # 70
50) Dimethylphthalate	14.12	163	64731	9.547	ng	99
57) 2,4-Dinitrotoluene	14.67	165	9863	4.725	ng	# 22
67) 4-Bromophenyl-phenylether	16.17	248	11312	4.305	ng	# 1
75) Fluoranthene	19.47	202	65957	4.670	ng	97
77) Benzidine	20.03	184	14109	3.220	ng	# 96
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
89) Benzo(k)fluoranthene	23.93	252	53735	4.024	ng	97
90) Benzo(a)pyrene	24.82	252	34850	2.698	ng	96

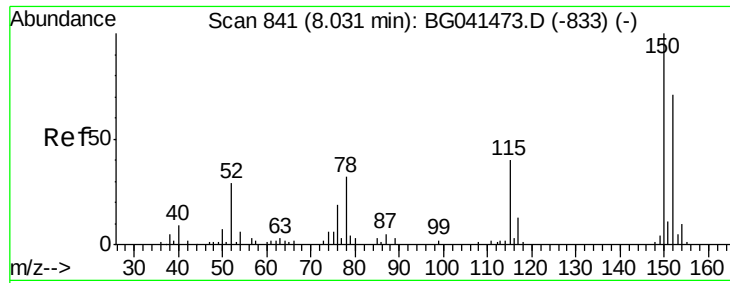
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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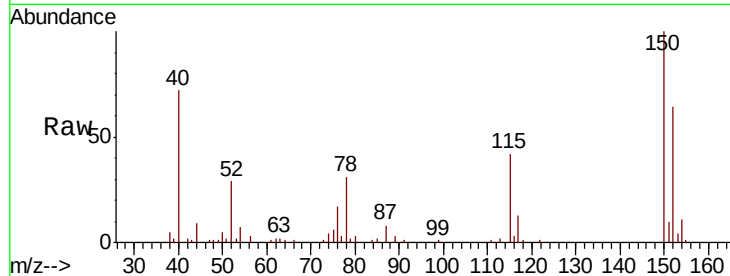


#1

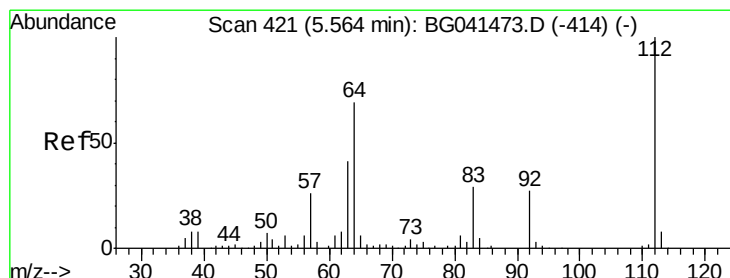
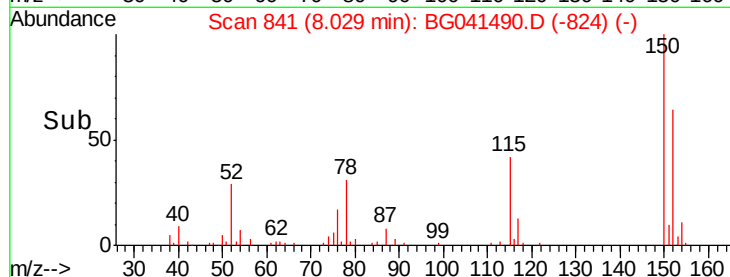
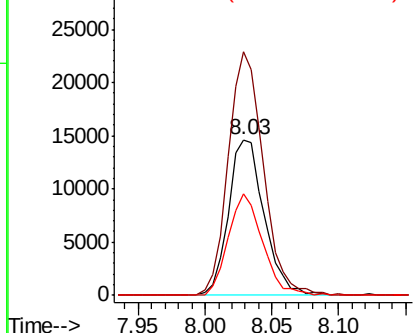
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.03 min Scan# 841
Delta R.T. -0.00 min
Lab File: BG041490.D
Acq: 27 Jun 2019 14:22

Instrument :
BNA_G
ClientSampleId :
SOIL-001

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



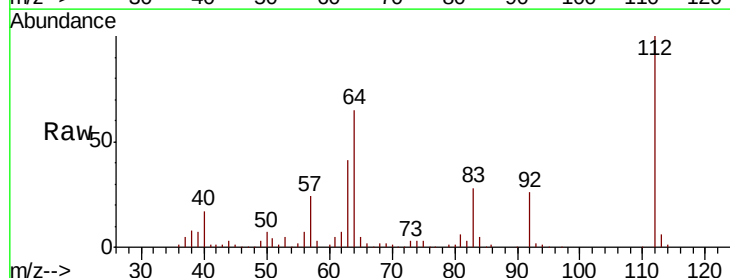
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



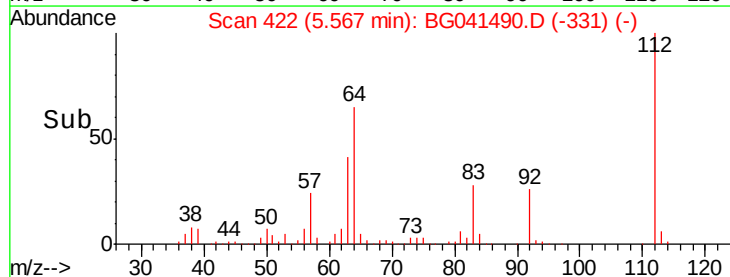
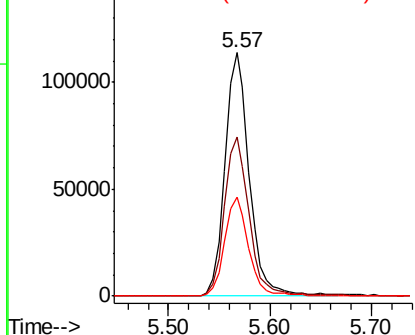
#5

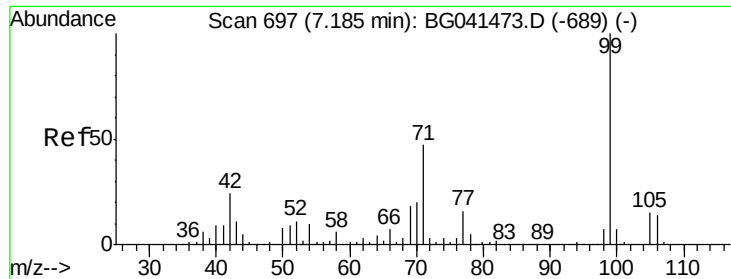
2-Fluorophenol
Concen: 123.253 ng
RT: 5.57 min Scan# 422
Delta R.T. 0.00 min
Lab File: BG041490.D
Acq: 27 Jun 2019 14:22

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

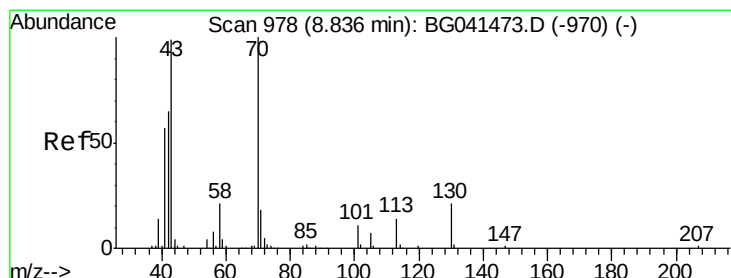
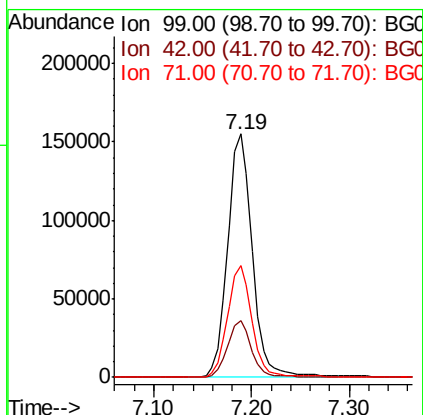
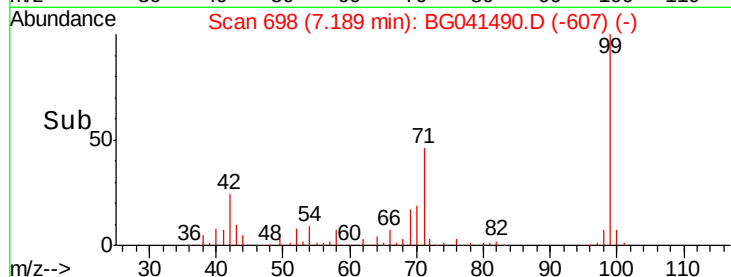
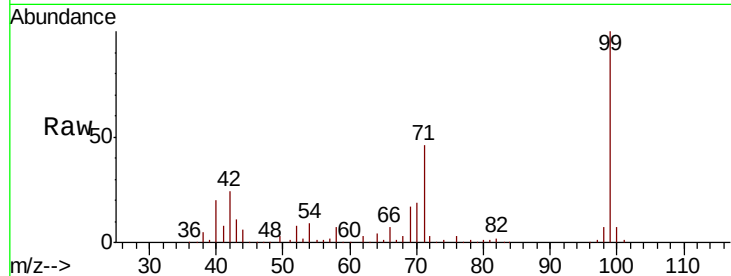
Tgt Ion: 99 Resp: 272658

Ion Ratio Lower Upper

99 100

42 23.5 19.0 28.6

71 45.9 37.4 56.2



#19

n-Nitroso-di-n-propylamine

Concen: 17.379 ng

RT: 9.21 min Scan# 1042

Delta R.T. 0.37 min

Lab File: BG041490.D

Acq: 27 Jun 2019 14:22

Tgt Ion: 70 Resp: 27873

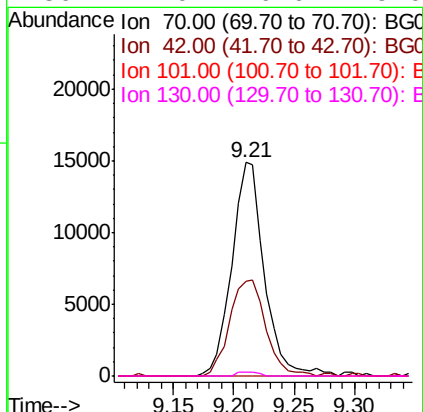
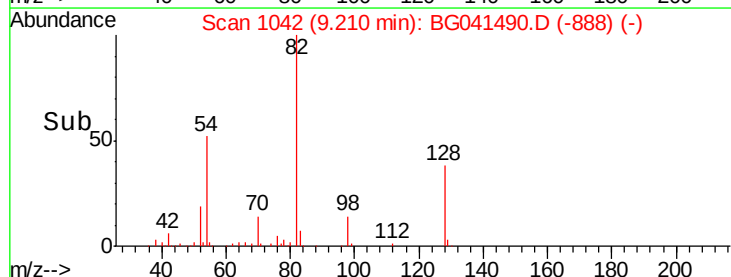
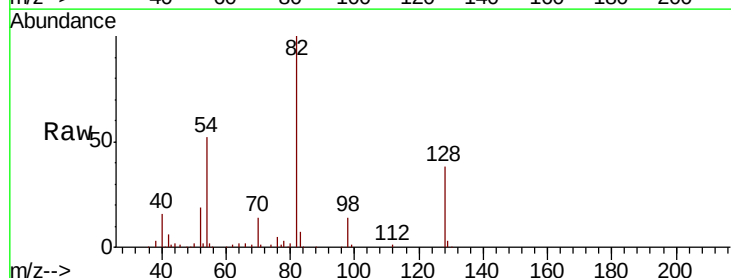
Ion Ratio Lower Upper

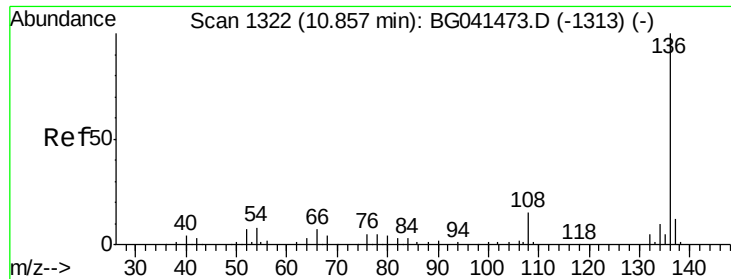
70 100

42 44.5 52.6 78.8#

101 0.0 8.6 13.0#

130 2.0 16.6 25.0#

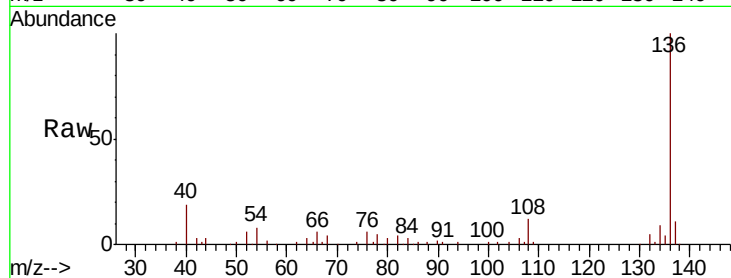




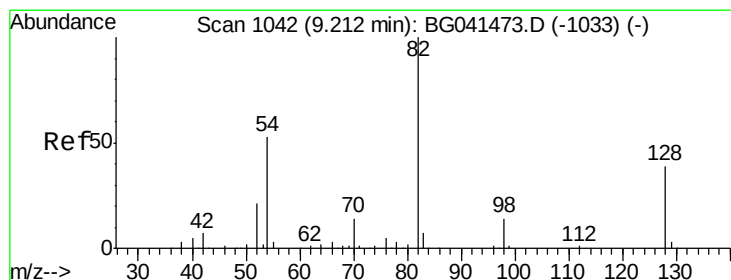
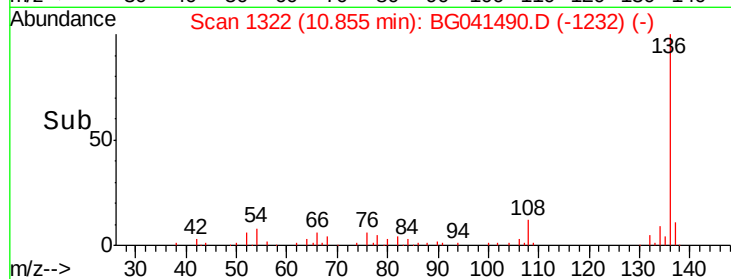
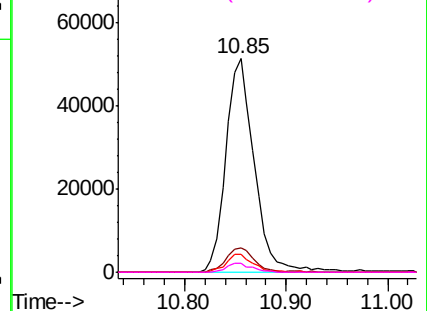
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.85 min Scan# 1322
Delta R.T. -0.00 min
Lab File: BG041490.D
Acq: 27 Jun 2019 14:22

Instrument :
BNA_G
ClientSampleId :
SOIL-001

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

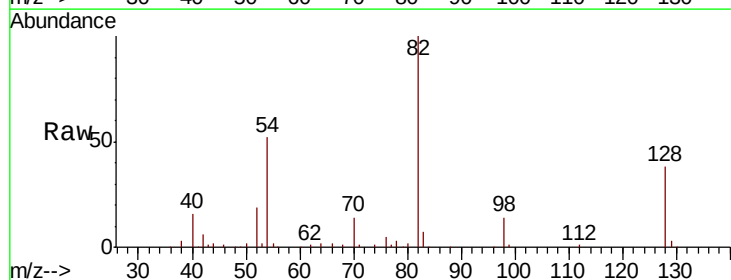


Abundance Ion 136.00 (135.70 to 136.70): BGC
Ion 137.00 (136.70 to 137.70): BGC
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

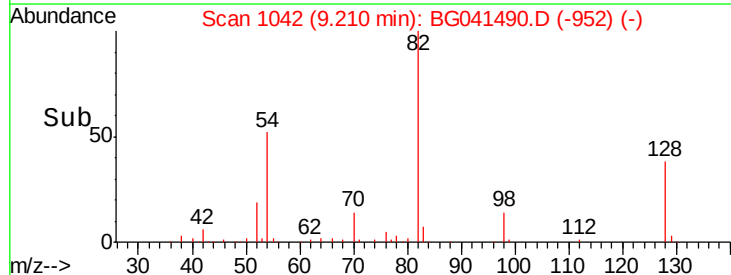
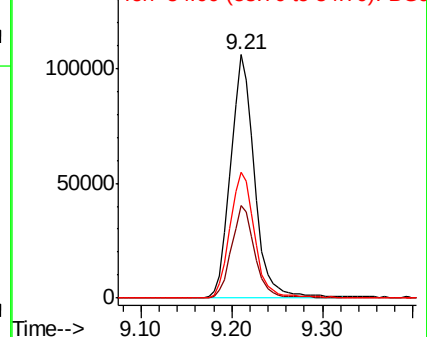


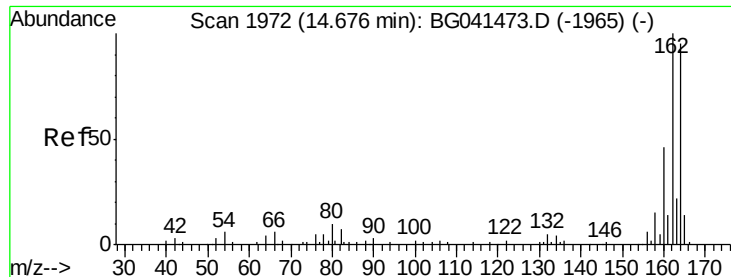
#23
Nitrobenzene-d5
Concen: 81.533 ng
RT: 9.21 min Scan# 1042
Delta R.T. -0.00 min
Lab File: BG041490.D
Acq: 27 Jun 2019 14:22

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



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





#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

Instrument :

BNA_G

ClientSampleId :

SOIL-001

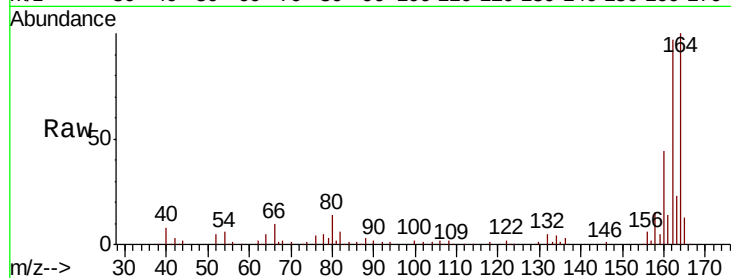
Tgt Ion:164 Resp: 74509

Ion Ratio Lower Upper

164 100

162 97.4 84.4 126.6

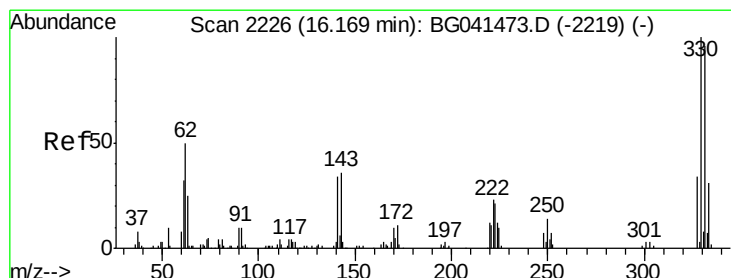
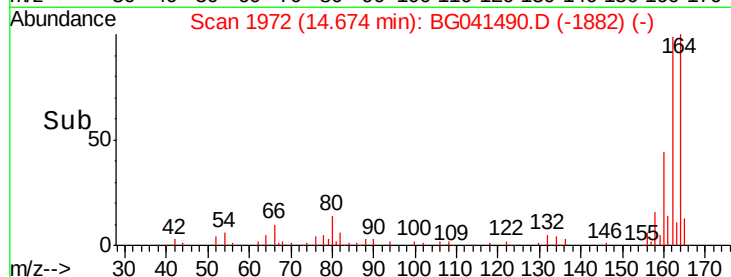
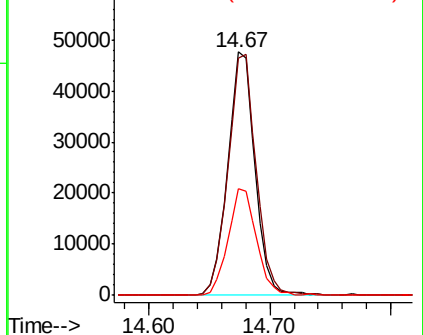
160 43.6 38.8 58.2



Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#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

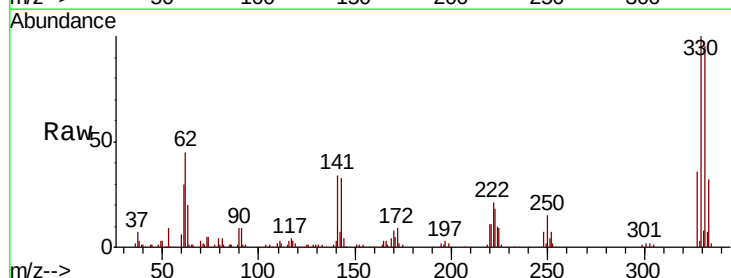
Tgt Ion:330 Resp: 157761

Ion Ratio Lower Upper

330 100

332 94.1 75.5 113.3

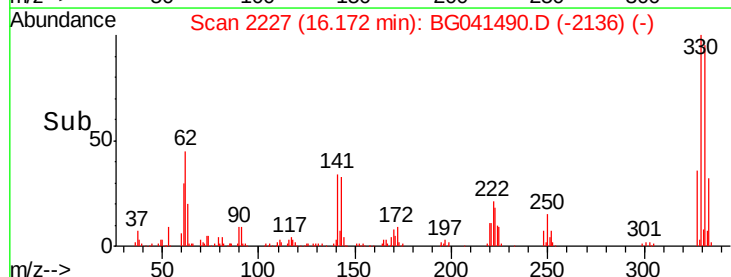
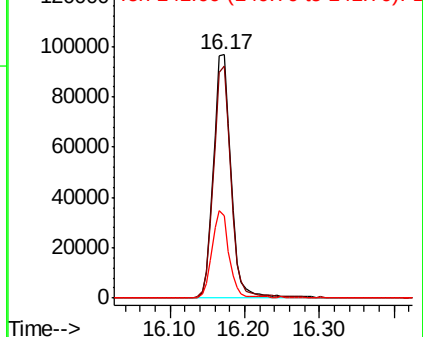
141 34.2 27.8 41.6

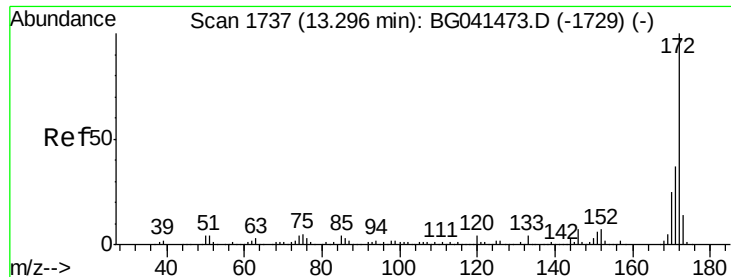


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

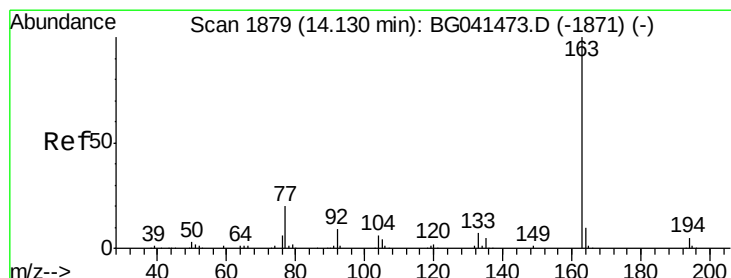
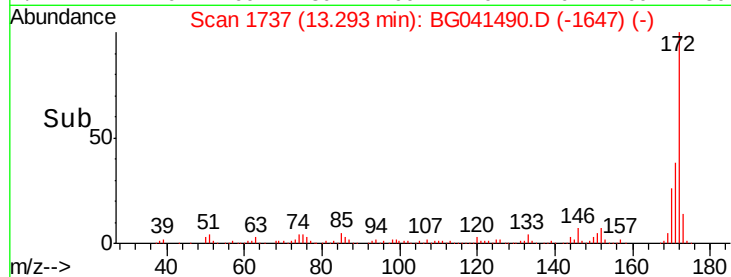
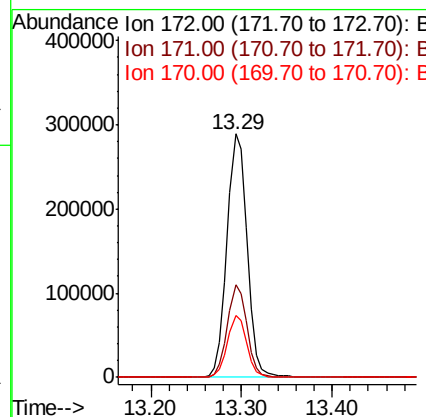
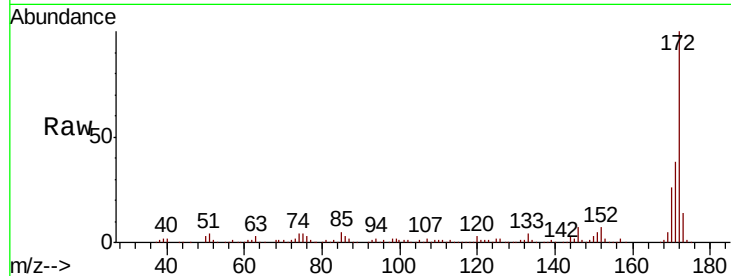




#45
 2-Fluorobiphenyl
 Concen: 76.708 ng
 RT: 13.29 min Scan# 1737
 Delta R.T. -0.00 min
 Lab File: BG041490.D
 Acq: 27 Jun 2019 14:22

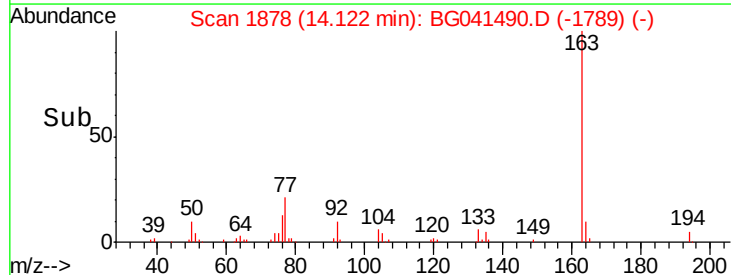
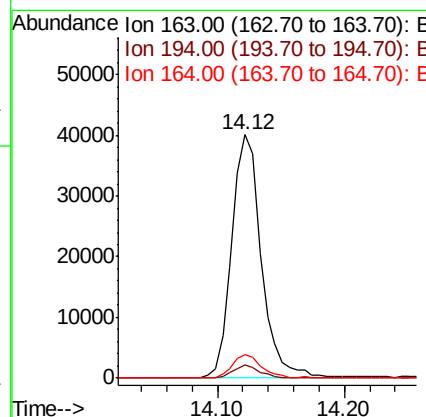
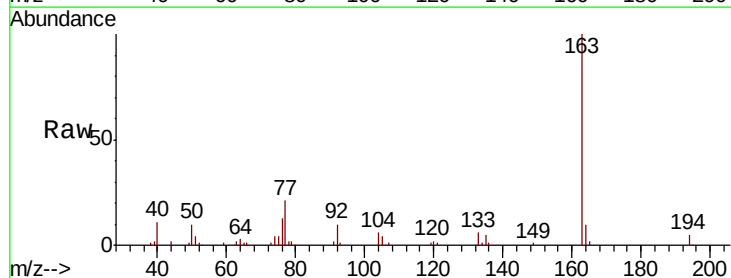
Instrument :
 BNA_G
 ClientSampleId :
 SOIL-001

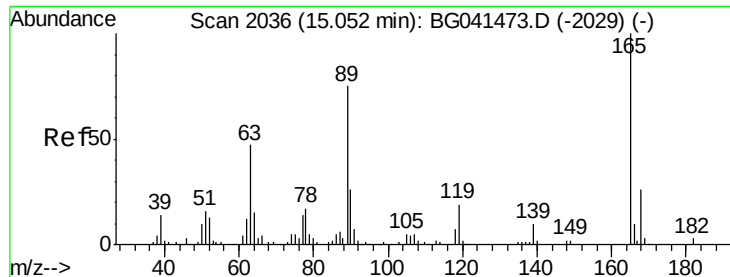
Tgt Ion	Ratio	Lower	Upper
172	100		
171	38.0	29.6	44.4
170	25.6	20.0	30.0



#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

Tgt Ion	Ratio	Lower	Upper
163	100		
194	5.3	3.7	5.5
164	9.8	7.8	11.6

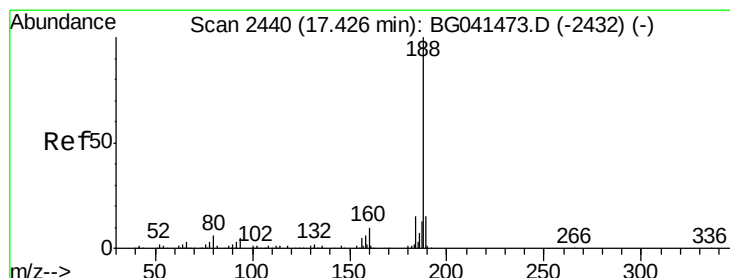
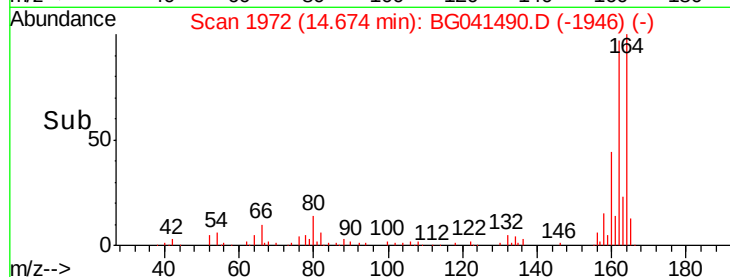
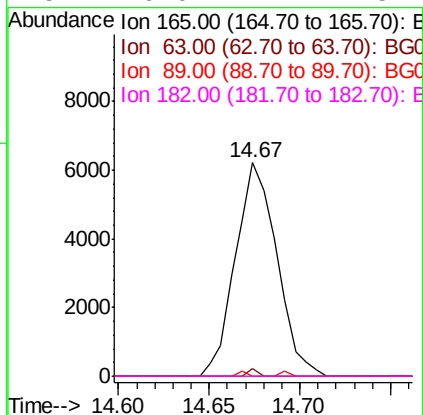
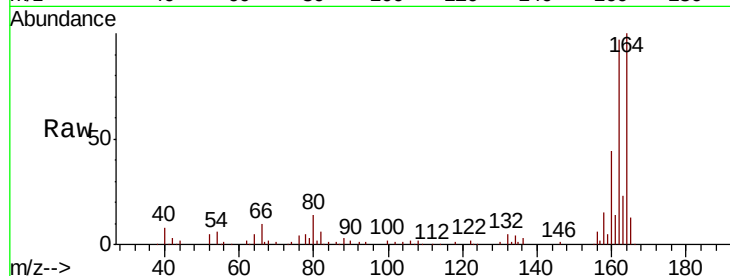




#57
 2,4-Dinitrotoluene
 Concen: 4.725 ng
 RT: 14.67 min Scan# 1972
 Delta R.T. -0.38 min
 Lab File: BG041490.D
 Acq: 27 Jun 2019 14:22

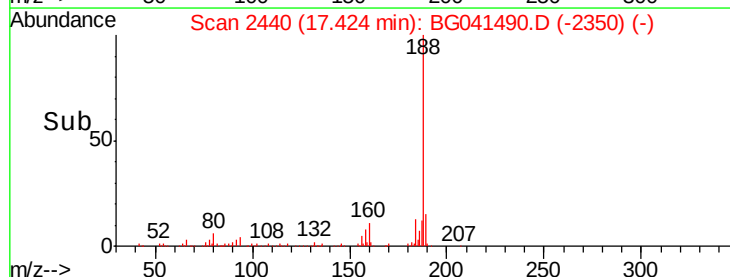
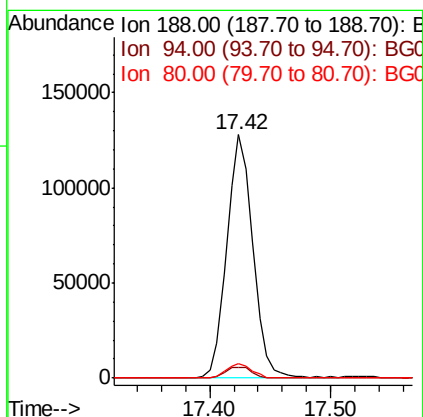
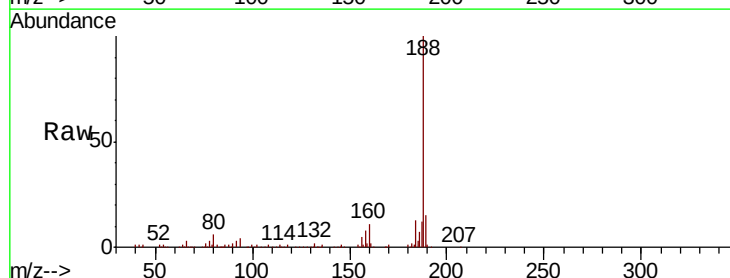
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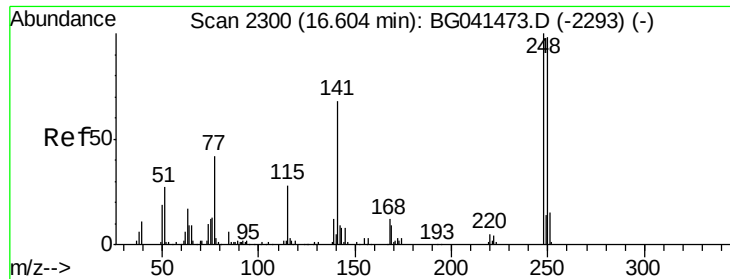
Tgt Ion:	165	Resp:	9863
Ion	Ratio	Lower	Upper
165	100		
63	3.5	38.8	58.2#
89	0.0	60.1	90.1#
182	0.0	2.2	3.2#



#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

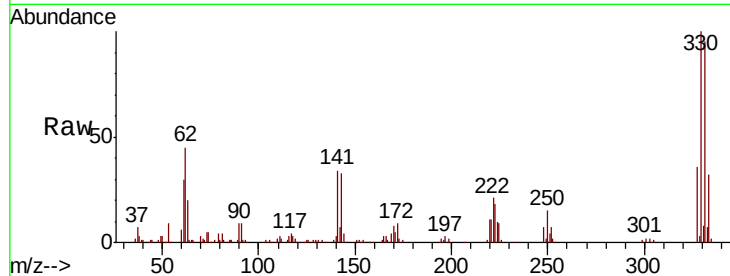




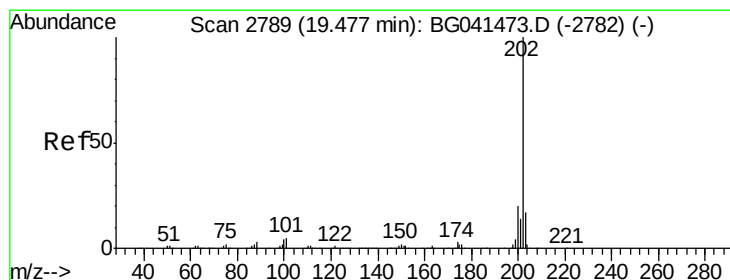
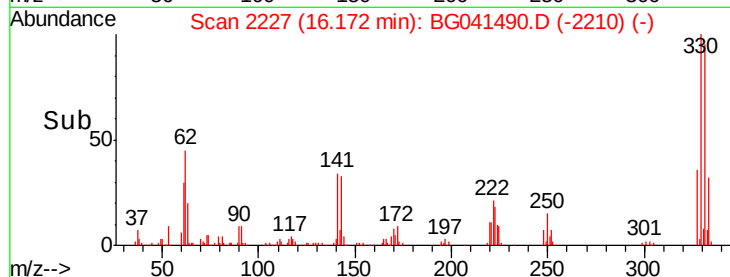
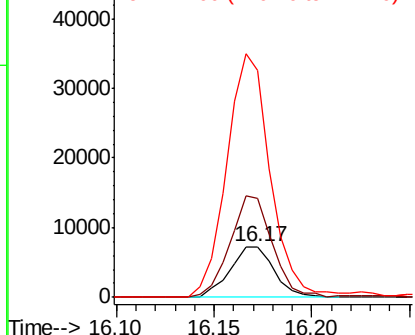
#67
 4-Bromophenyl-phenylether
 Concen: 4.305 ng
 RT: 16.17 min Scan# 2227
 Delta R.T. -0.43 min
 Lab File: BG041490.D
 Acq: 27 Jun 2019 14:22

Instrument :
 BNA_G
 ClientSampled :
 SOIL-001

Tgt Ion:248 Resp: 11312
 Ion Ratio Lower Upper
 248 100
 250 195.6 78.1 117.1#
 141 449.0 54.1 81.1#

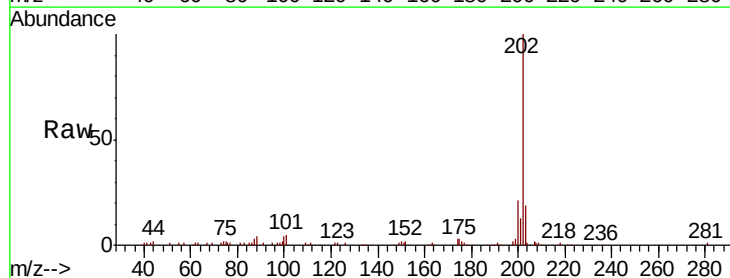


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

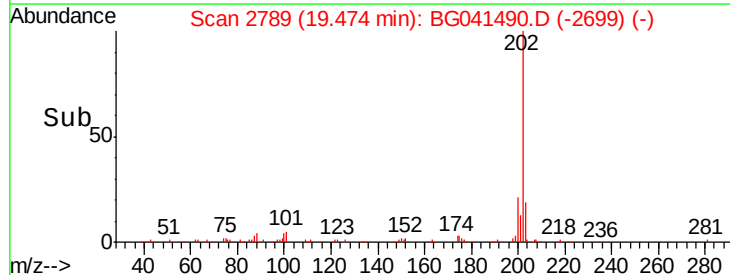
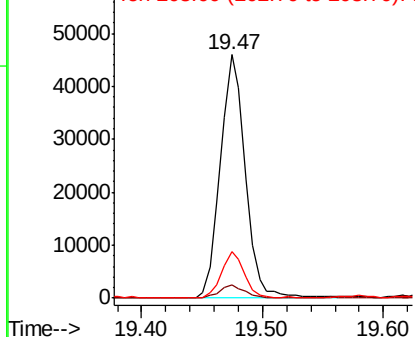


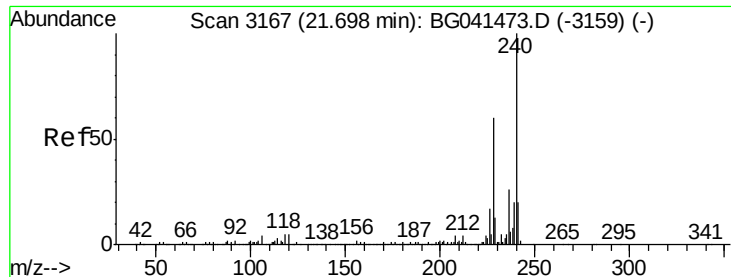
#75
 Fluoranthene
 Concen: 4.670 ng
 RT: 19.47 min Scan# 2789
 Delta R.T. -0.00 min
 Lab File: BG041490.D
 Acq: 27 Jun 2019 14:22

Tgt 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

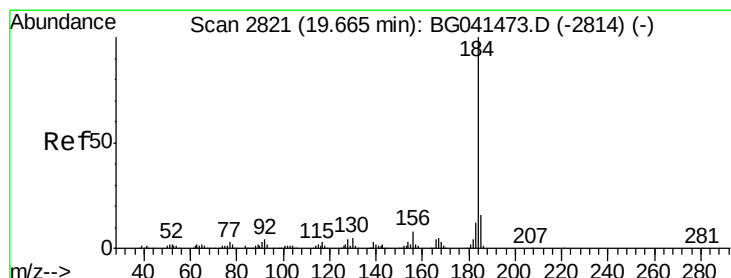
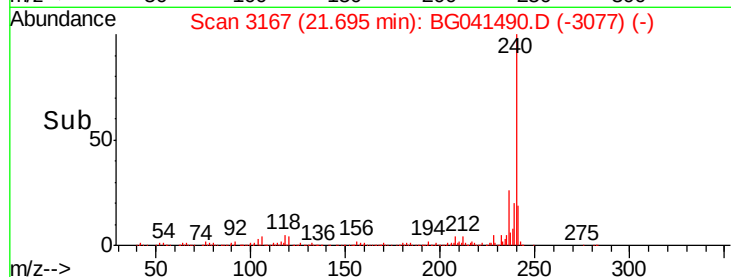
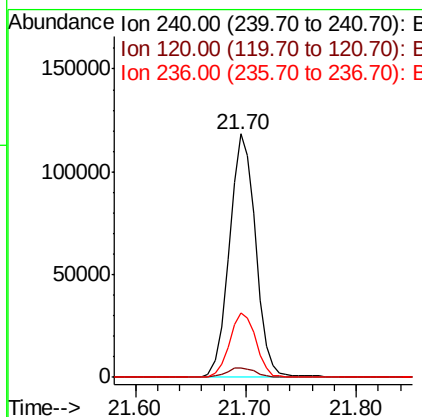
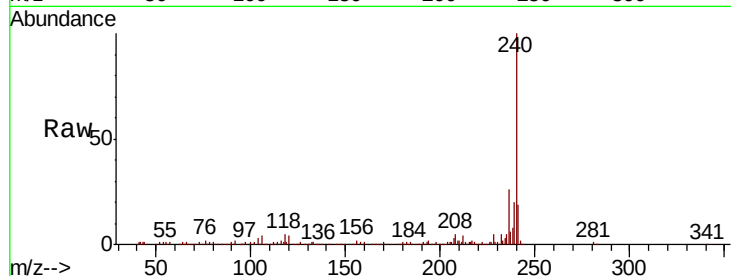




#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.70 min Scan# 3167
 Delta R.T. -0.00 min
 Lab File: BG041490.D
 Acq: 27 Jun 2019 14:22

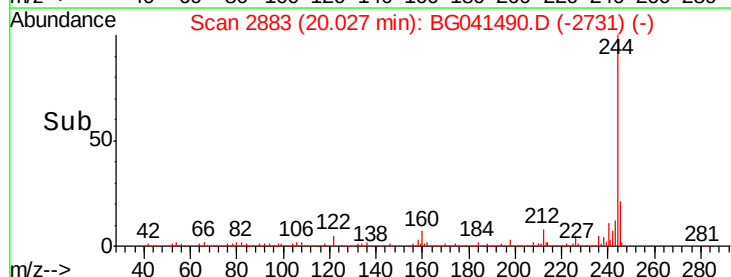
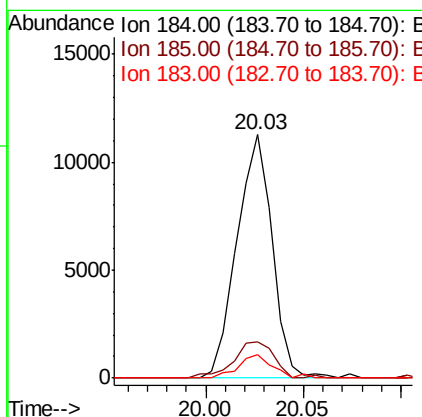
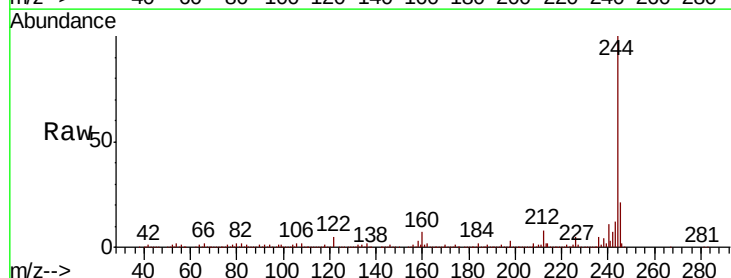
Instrument :
 BNA_G
 ClientSampleId :
 SOIL-001

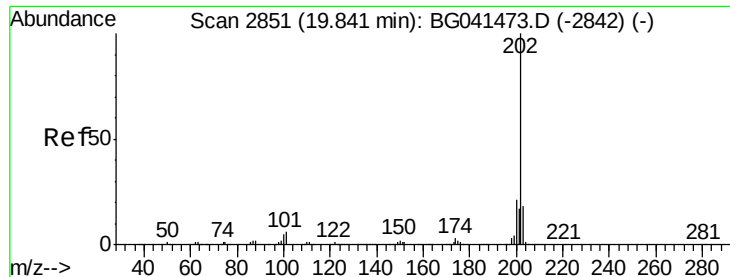
Tgt Ion:240 Resp: 197467
 Ion Ratio Lower Upper
 240 100
 120 4.0 3.7 5.5
 236 26.4 20.8 31.2



#77
 Benzidine
 Concen: 3.220 ng
 RT: 20.03 min Scan# 2883
 Delta R.T. 0.36 min
 Lab File: BG041490.D
 Acq: 27 Jun 2019 14:22

Tgt Ion:184 Resp: 14109
 Ion Ratio Lower Upper
 184 100
 185 15.0 12.7 19.1
 183 9.4 9.4 14.2#

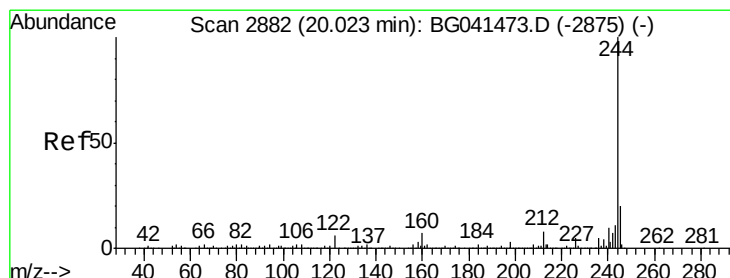
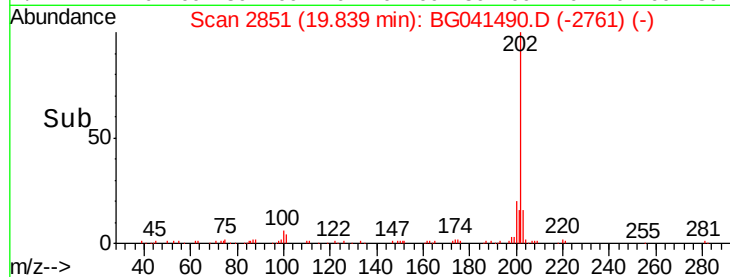
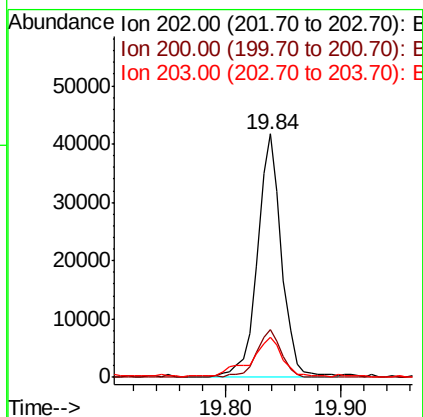
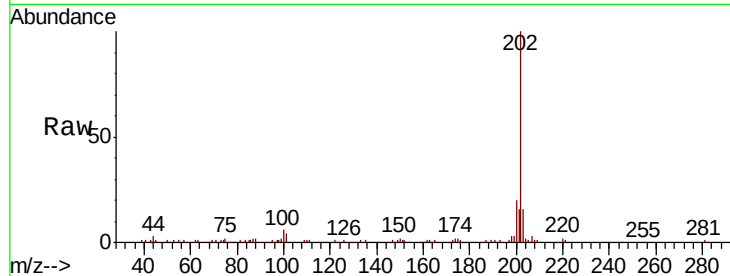




#78
 Pyrene
 Concen: 4.508 ng
 RT: 19.84 min Scan# 2851
 Delta R.T. -0.00 min
 Lab File: BG041490.D
 Acq: 27 Jun 2019 14:22

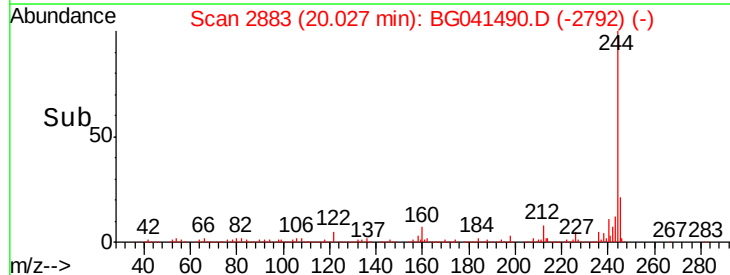
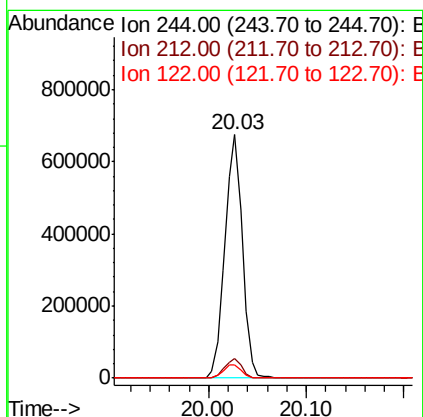
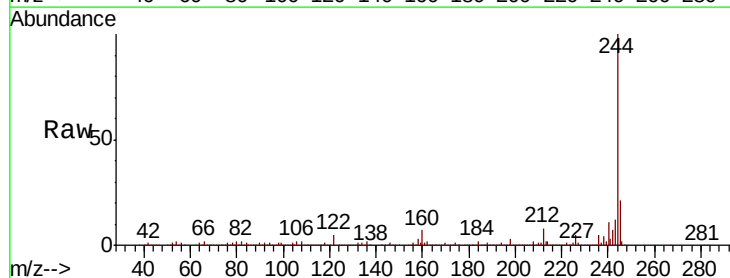
Instrument :
 BNA_G
 ClientSampleId :
 SOIL-001

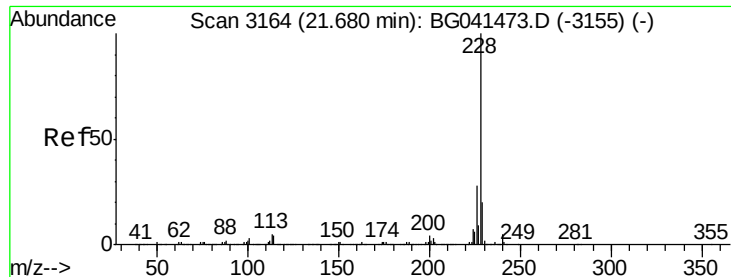
Tgt Ion	Ratio	Lower	Upper
202	100		
200	19.8	16.8	25.2
203	16.3	14.2	21.4



#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

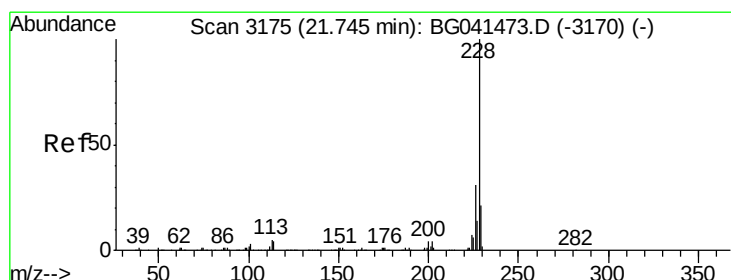
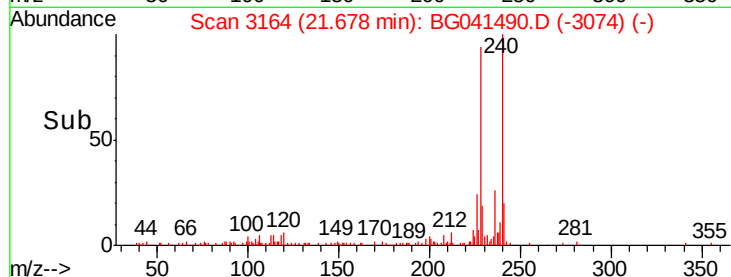
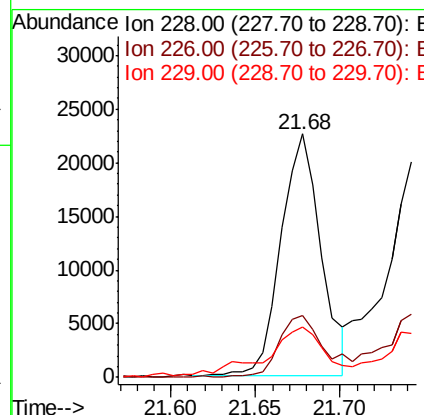
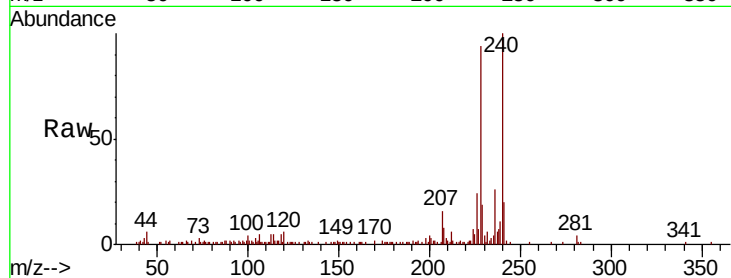




#81
Benzo(a)anthracene
Concen: 2.676 ng
RT: 21.68 min Scan# 3164
Delta R.T. -0.00 min
Lab File: BG041490.D
Acq: 27 Jun 2019 14:22

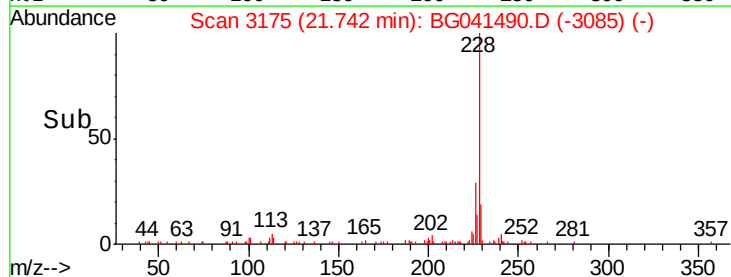
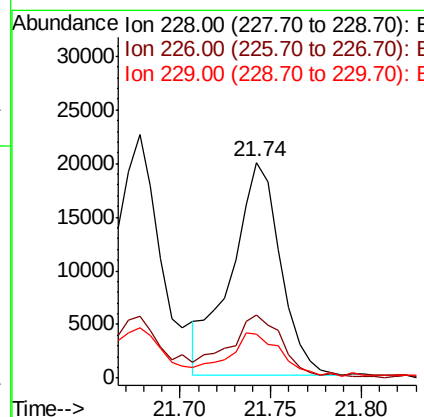
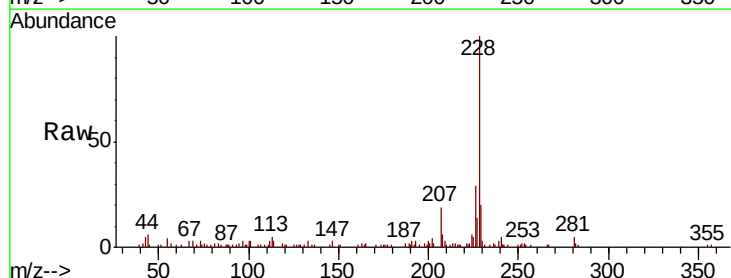
Instrument :
BNA_G
ClientSampleId :
SOIL-001

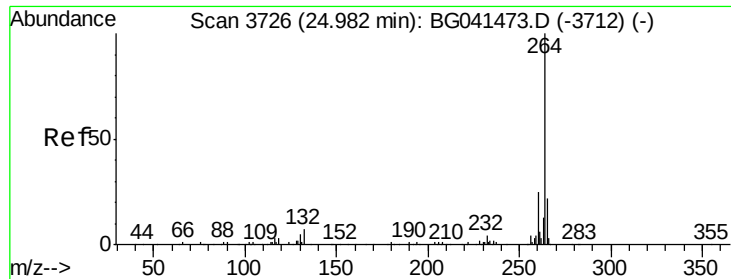
Tgt Ion:228 Resp: 36732
Ion Ratio Lower Upper
228 100
226 25.4 22.6 33.8
229 20.6 16.1 24.1



#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

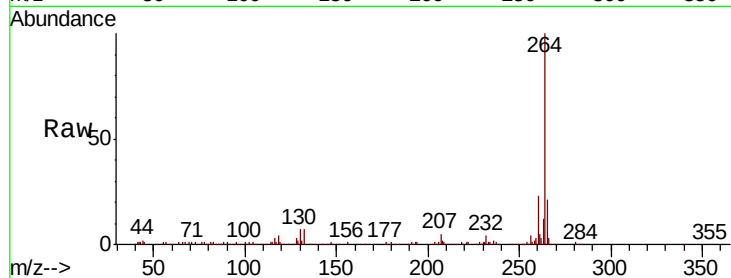




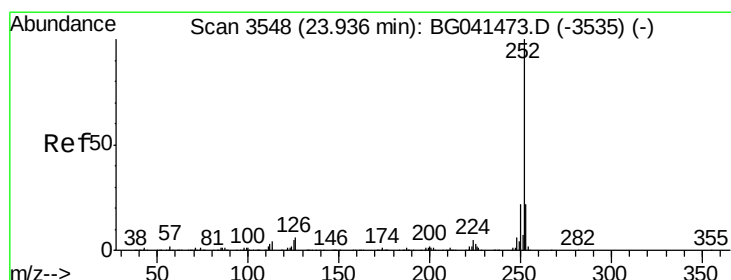
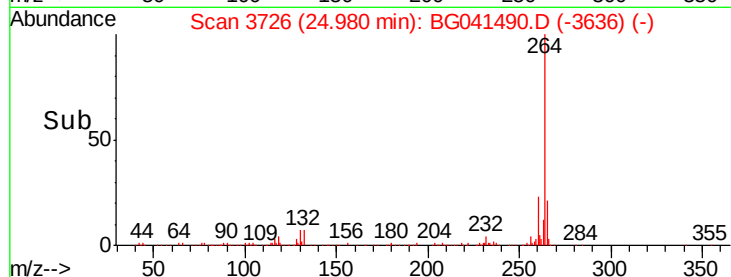
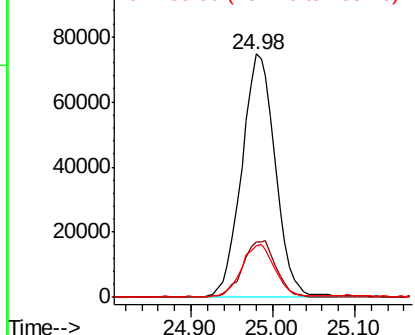
#87
Perylene-d12
Concen: 20.000 ng
RT: 24.98 min Scan# 3726
Delta R.T. -0.00 min
Lab File: BG041490.D
Acq: 27 Jun 2019 14:22

Instrument :
BNA_G
ClientSampled :
SOIL-001

Tgt Ion:264 Resp: 213224
Ion Ratio Lower Upper
264 100
260 22.5 19.7 29.5
265 21.2 17.4 26.2

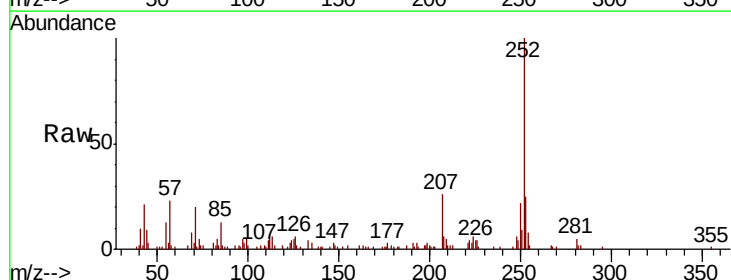


Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E

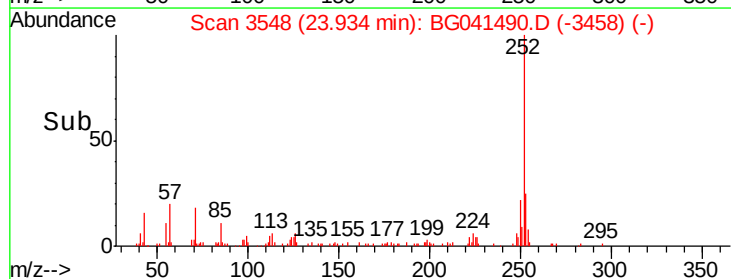
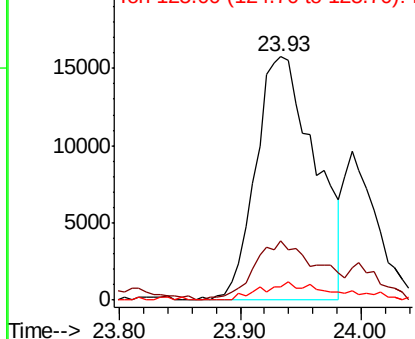


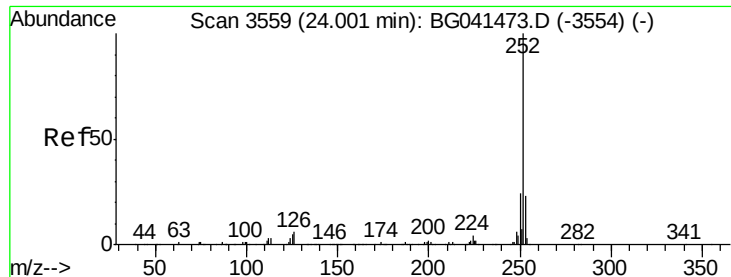
#88
Benzo(b)fluoranthene
Concen: 3.951 ng
RT: 23.93 min Scan# 3548
Delta R.T. -0.00 min
Lab File: BG041490.D
Acq: 27 Jun 2019 14:22

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



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





#89

Benzo(k)fluoranthene

Concen: 4.024 ng

RT: 23.93 min Scan# 3548

Delta R.T. -0.07 min

Lab File: BG041490.D

Acq: 27 Jun 2019 14:22

Instrument :

BNA_G

ClientSampleId :

SOIL-001

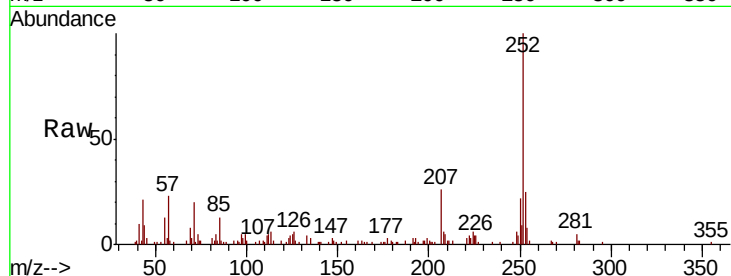
Tgt Ion:252 Resp: 53735

Ion Ratio Lower Upper

252 100

253 24.5 18.3 27.5

125 5.5 4.0 6.0

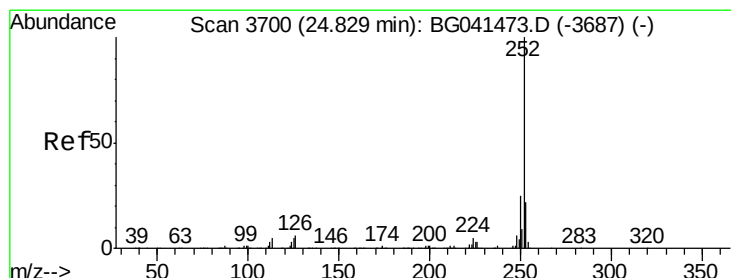
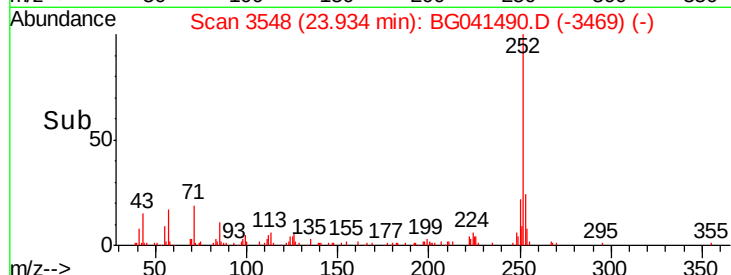
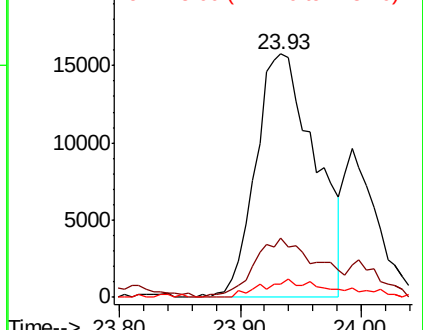


Abundance

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

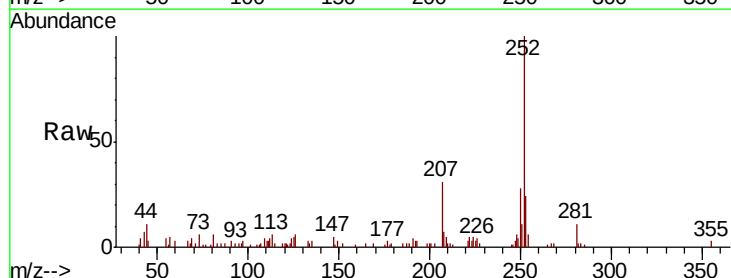
Tgt Ion:252 Resp: 34850

Ion Ratio Lower Upper

252 100

253 24.0 17.5 26.3

125 5.3 4.4 6.6



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

