

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG050824\
 Data File : BG061142.D
 Acq On : 8 May 2024 15:05
 Operator : MA/JU
 Sample : P2404-06
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 TOP-SOIL-3

Quant Time: May 08 15:56:56 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG043024.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed May 01 05:11:25 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

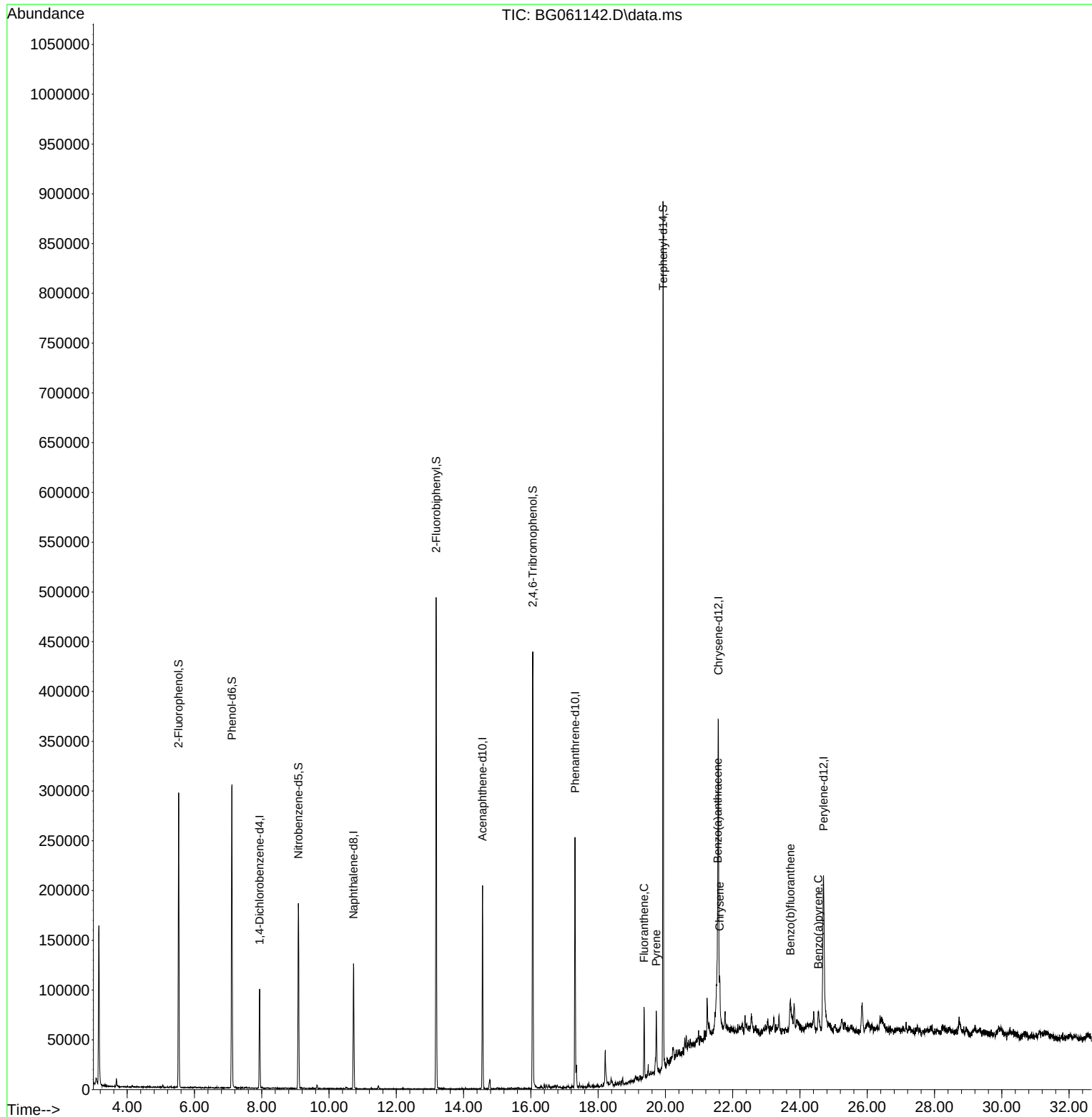
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.936	152	24829	20.000	ng	-0.03
21) Naphthalene-d8	10.727	136	97160	20.000	ng	-0.03
39) Acenaphthene-d10	14.563	164	72632	20.000	ng	-0.03
64) Phenanthrene-d10	17.313	188	167736	20.000	ng	-0.02
76) Chrysene-d12	21.573	240	162483	20.000	ng	-0.02
86) Perylene-d12	24.699	264	196793	20.000	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.527	112	103137	84.479	ng	-0.02
7) Phenol-d6	7.113	99	140063	77.553	ng	-0.02
23) Nitrobenzene-d5	9.087	82	95695	48.825	ng	-0.03
42) 2,4,6-Tribromophenol	16.056	330	101652	70.019	ng	-0.02
45) 2-Fluorobiphenyl	13.183	172	253402	51.590	ng	-0.03
79) Terphenyl-d14	19.934	244	456581	46.735	ng	-0.02
Target Compounds						Qvalue
75) Fluoranthene	19.364	202	46825	4.456	ng	99
78) Pyrene	19.728	202	40953	3.964	ng	96
81) Benzo(a)anthracene	21.549	228	24207	2.277	ng	# 95
83) Chrysene	21.614	228	26987	2.709	ng	# 90
88) Benzo(b)fluoranthene	23.717	252	37407	3.402	ng	# 98
90) Benzo(a)pyrene	24.546	252	23715	2.475	ng	# 93

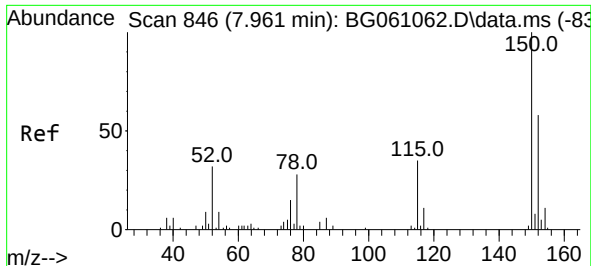
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG050824\
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Quant Time: May 08 15:56:56 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG043024.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed May 01 05:11:25 2024
Response via : Initial Calibration

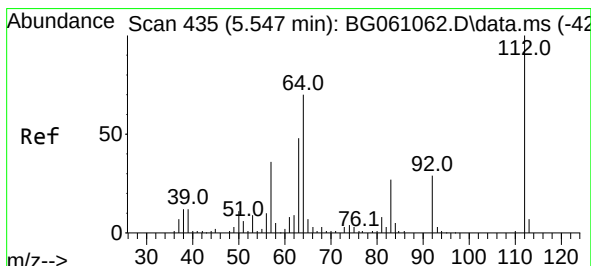
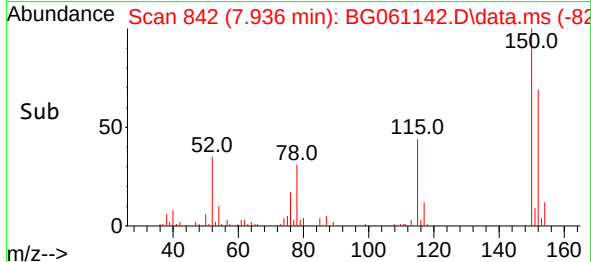
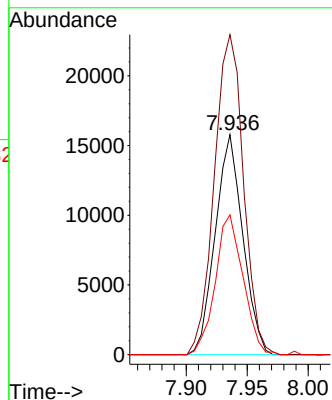
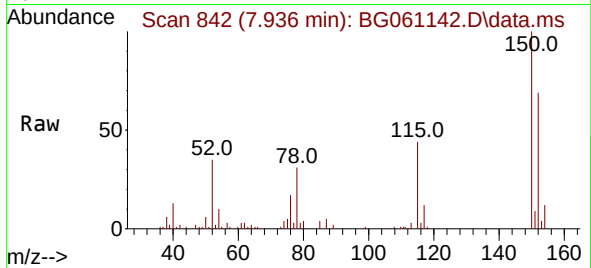




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.936 min Scan# 846
Delta R.T. -0.025 min
Lab File: BG061142.D
Acq: 8 May 2024 15:05

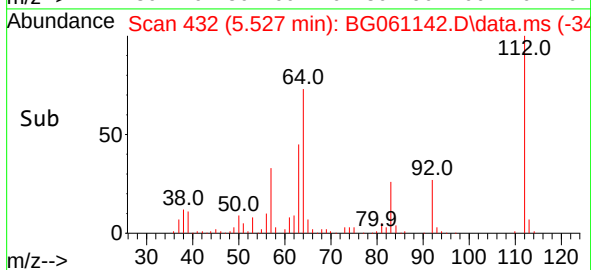
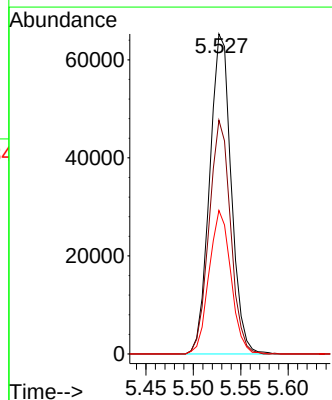
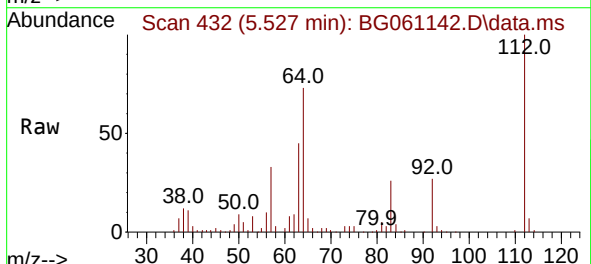
Instrument :
BNA_G
ClientSampleId :
TOP-SOIL-3

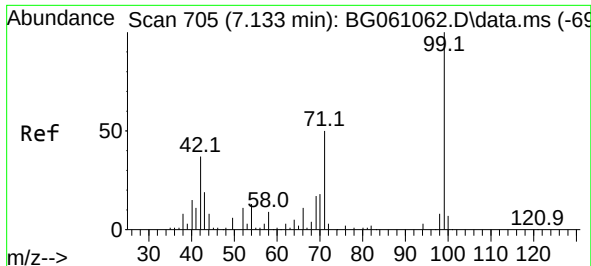
Tgt Ion:152 Resp: 24829
Ion Ratio Lower Upper
152 100
150 145.4 138.3 207.5
115 63.5 48.0 72.0



#5
2-Fluorophenol
Concen: 84.479 ng
RT: 5.527 min Scan# 432
Delta R.T. -0.020 min
Lab File: BG061142.D
Acq: 8 May 2024 15:05

Tgt Ion:112 Resp: 103137
Ion Ratio Lower Upper
112 100
64 73.1 55.7 83.5
63 44.8 38.1 57.1

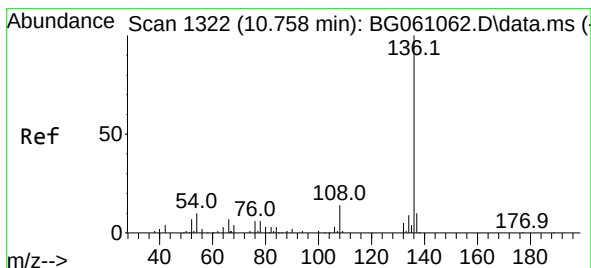
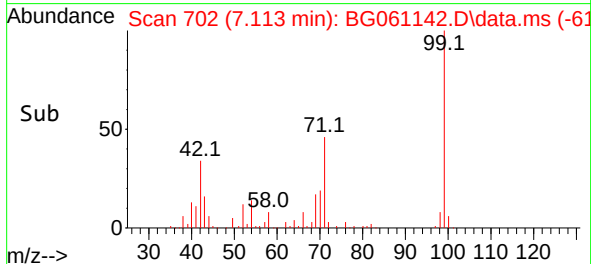
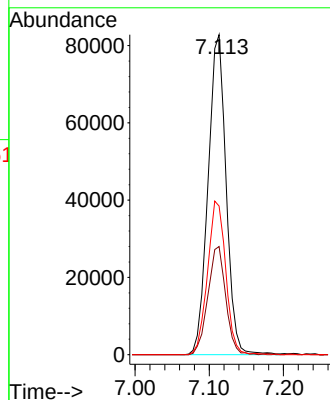
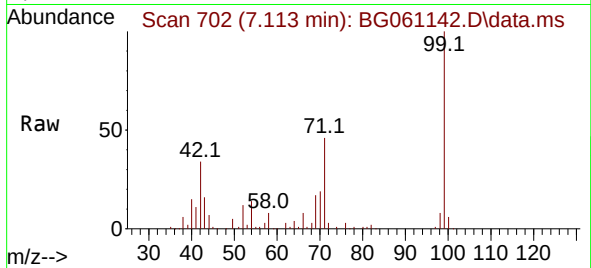




#7
Phenol-d6
Concen: 77.553 ng
RT: 7.113 min Scan# 705
Delta R.T. -0.020 min
Lab File: BG061142.D
Acq: 8 May 2024 15:05

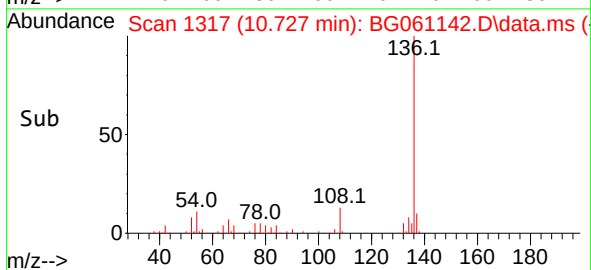
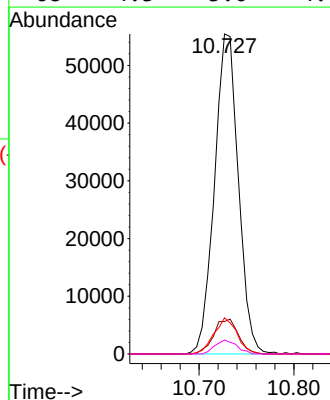
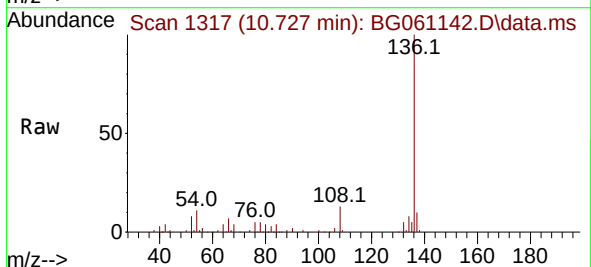
Instrument :
BNA_G
ClientSampleId :
TOP-SOIL-3

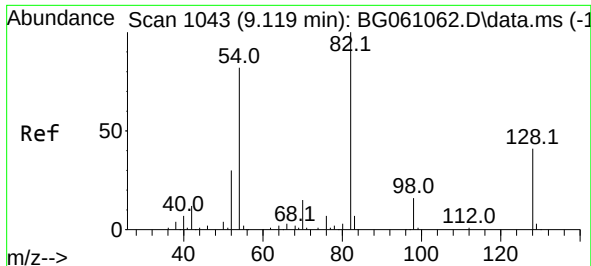
Tgt Ion: 99 Resp: 140063
Ion Ratio Lower Upper
99 100
42 33.8 29.2 43.8
71 46.4 39.7 59.5



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.727 min Scan# 1317
Delta R.T. -0.031 min
Lab File: BG061142.D
Acq: 8 May 2024 15:05

Tgt Ion: 136 Resp: 97160
Ion Ratio Lower Upper
136 100
137 10.2 7.8 11.6
54 11.3 8.1 12.1
68 4.3 3.0 4.4





#23

Nitrobenzene-d5

Concen: 48.825 ng

RT: 9.087 min Scan# 1043

Delta R.T. -0.031 min

Lab File: BG061142.D

Acq: 8 May 2024 15:05

Instrument :

BNA_G

ClientSampleId :

TOP-SOIL-3

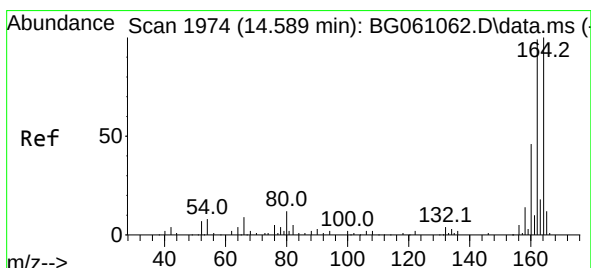
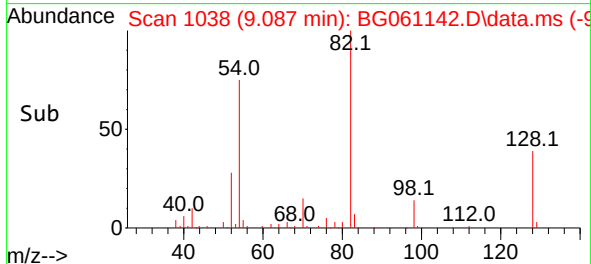
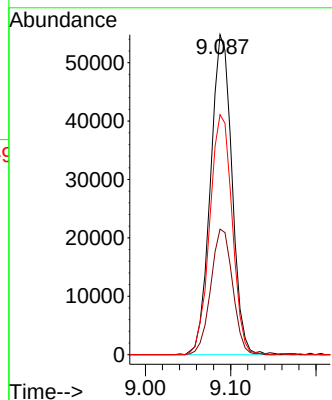
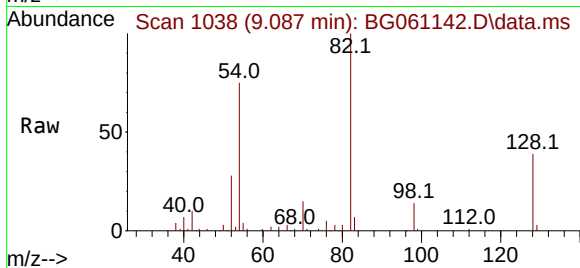
Tgt Ion: 82 Resp: 95695

Ion Ratio Lower Upper

82 100

128 39.3 32.7 49.1

54 75.0 65.6 98.4



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.563 min Scan# 1970

Delta R.T. -0.026 min

Lab File: BG061142.D

Acq: 8 May 2024 15:05

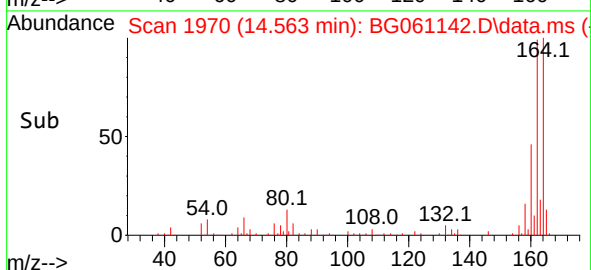
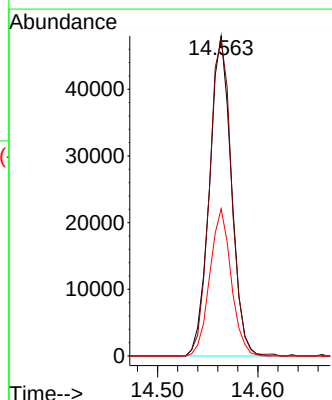
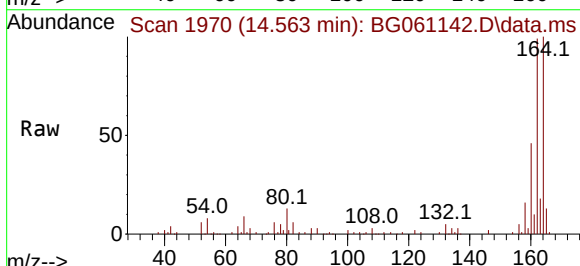
Tgt Ion:164 Resp: 72632

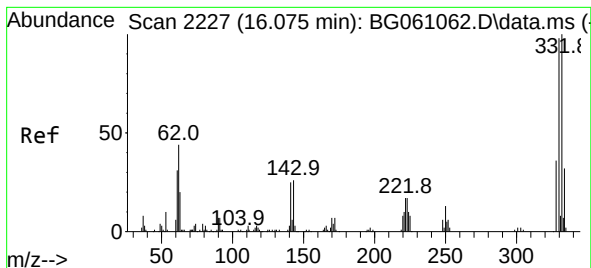
Ion Ratio Lower Upper

164 100

162 98.8 79.4 119.2

160 46.0 37.0 55.6

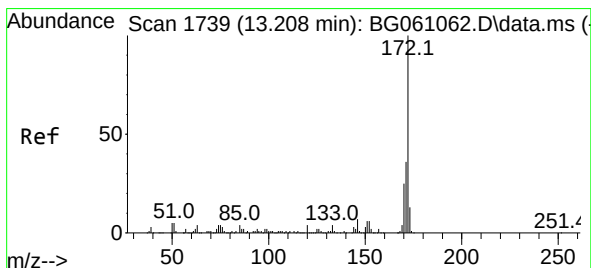
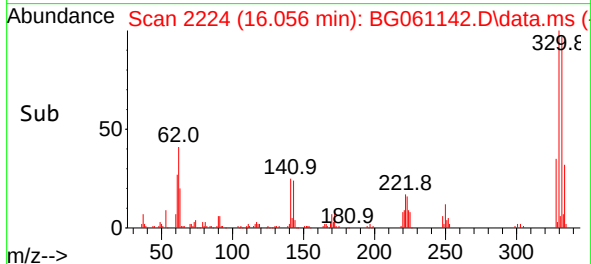
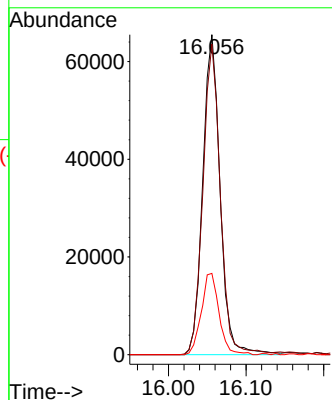
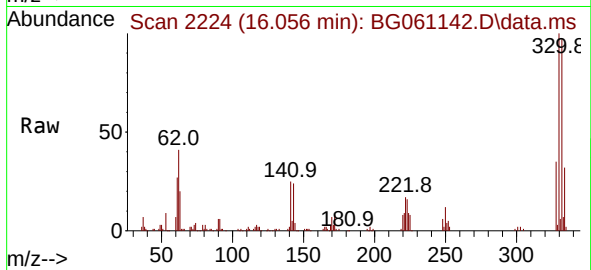




#42
2,4,6-Tribromophenol
Concen: 70.019 ng
RT: 16.056 min Scan# 21
Delta R.T. -0.020 min
Lab File: BG061142.D
Acq: 8 May 2024 15:05

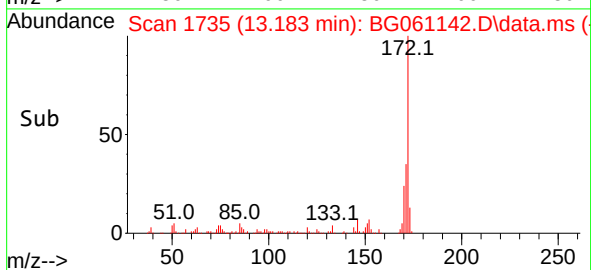
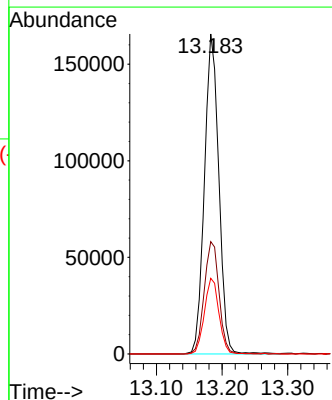
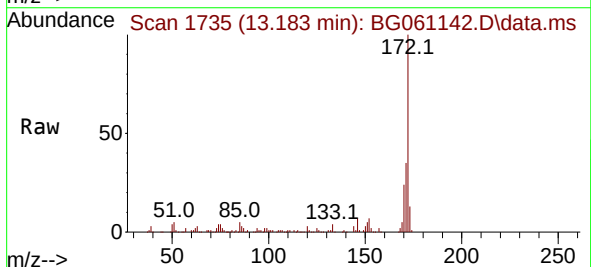
Instrument :
BNA_G
ClientSampleId :
TOP-SOIL-3

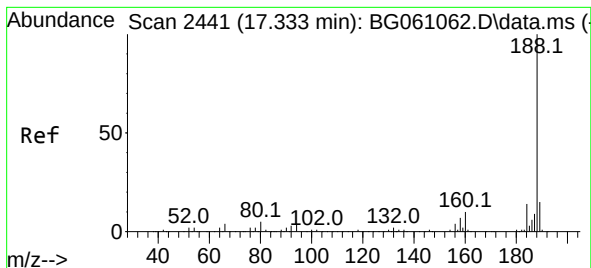
Tgt Ion:330 Resp: 101652
Ion Ratio Lower Upper
330 100
332 97.5 78.6 117.8
141 26.0 20.5 30.7



#45
2-Fluorobiphenyl
Concen: 51.590 ng
RT: 13.183 min Scan# 1735
Delta R.T. -0.025 min
Lab File: BG061142.D
Acq: 8 May 2024 15:05

Tgt Ion:172 Resp: 253402
Ion Ratio Lower Upper
172 100
171 35.1 29.0 43.6
170 23.7 20.2 30.4





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.313 min Scan# 2441

Delta R.T. -0.020 min

Lab File: BG061142.D

Acq: 8 May 2024 15:05

Instrument :

BNA_G

ClientSampleId :

TOP-SOIL-3

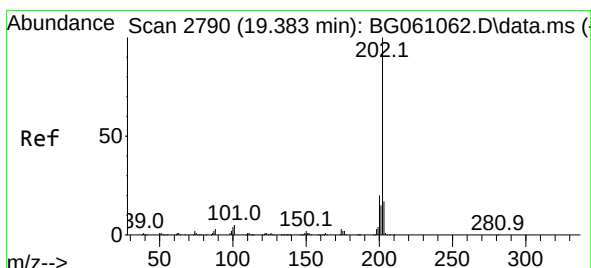
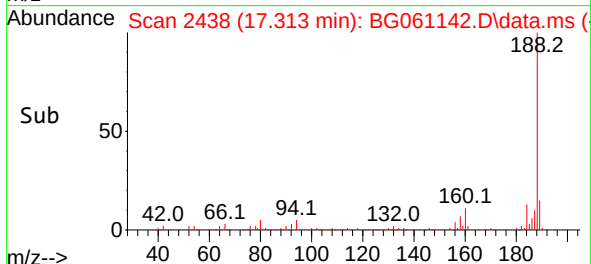
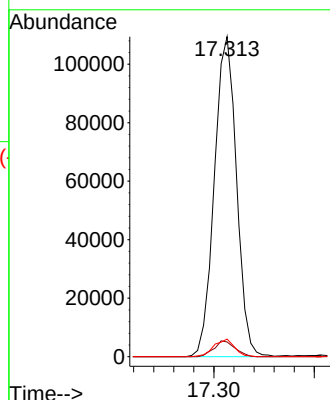
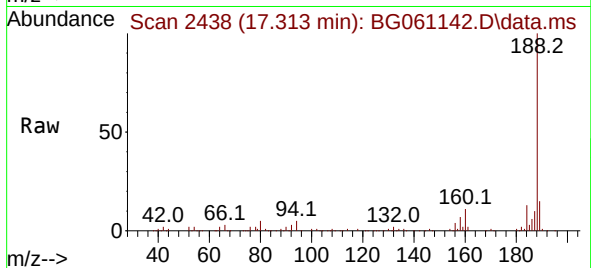
Tgt Ion:188 Resp: 167736

Ion Ratio Lower Upper

188 100

94 4.6 3.6 5.4

80 5.5 4.2 6.2



#75

Fluoranthene

Concen: 4.456 ng

RT: 19.364 min Scan# 2787

Delta R.T. -0.020 min

Lab File: BG061142.D

Acq: 8 May 2024 15:05

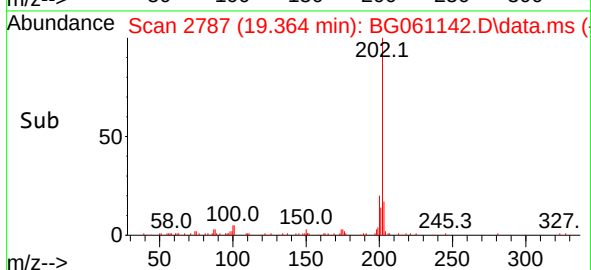
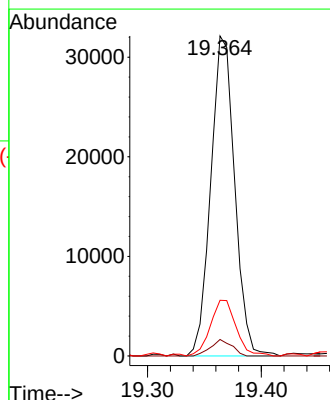
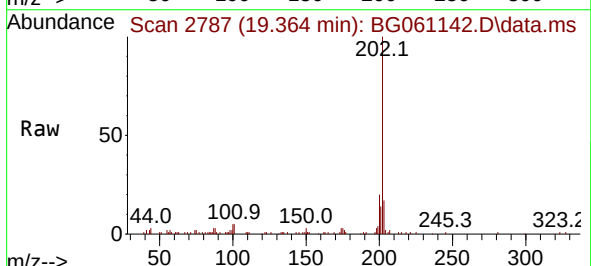
Tgt Ion:202 Resp: 46825

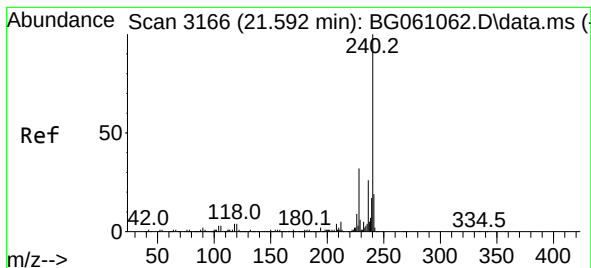
Ion Ratio Lower Upper

202 100

101 5.2 0.0 24.7

203 17.4 0.0 37.1





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.573 min Scan# 3163

Delta R.T. -0.020 min

Lab File: BG061142.D

Acq: 8 May 2024 15:05

Instrument :

BNA_G

ClientSampleId :

TOP-SOIL-3

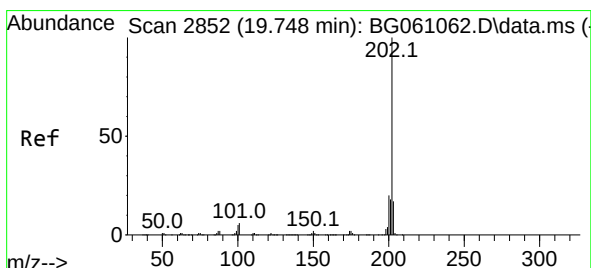
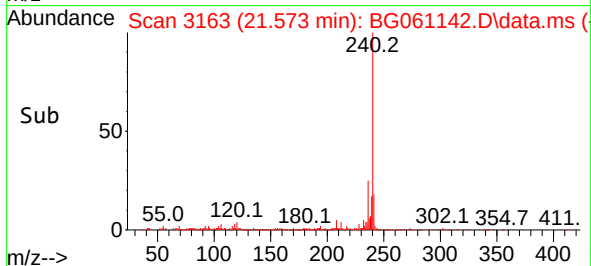
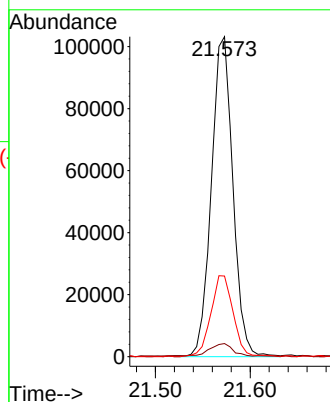
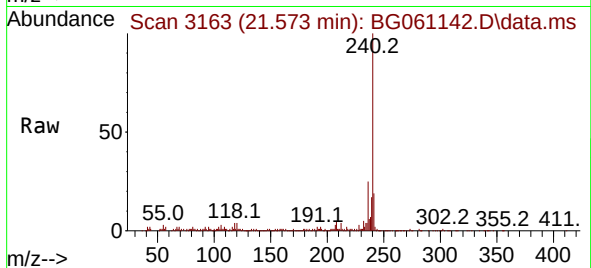
Tgt Ion:240 Resp: 162483

Ion Ratio Lower Upper

240 100

120 4.1 3.2 4.8

236 25.2 21.0 31.6



#78

Pyrene

Concen: 3.964 ng

RT: 19.728 min Scan# 2849

Delta R.T. -0.020 min

Lab File: BG061142.D

Acq: 8 May 2024 15:05

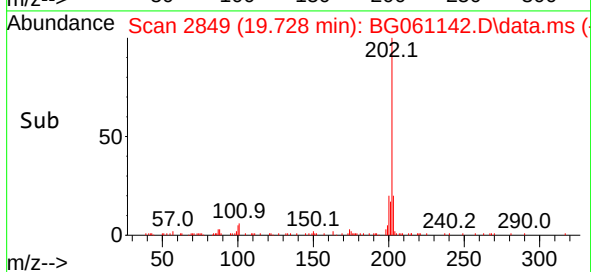
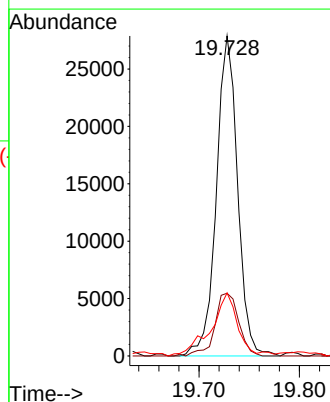
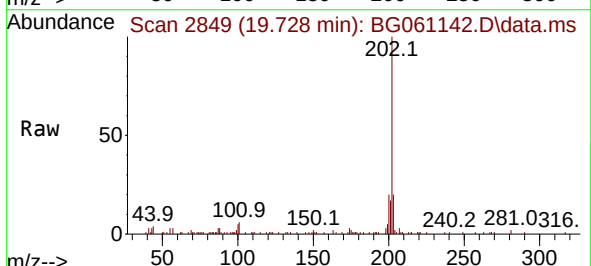
Tgt Ion:202 Resp: 40953

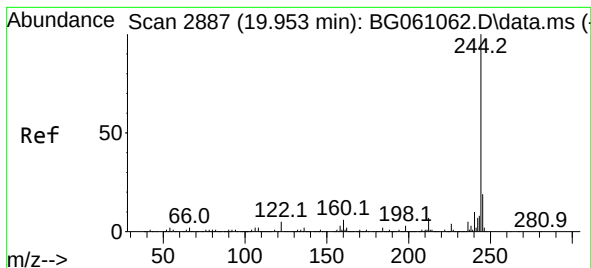
Ion Ratio Lower Upper

202 100

200 19.6 16.2 24.4

203 19.7 13.3 19.9





#79

Terphenyl-d14

Concen: 46.735 ng

RT: 19.934 min Scan# 21

Delta R.T. -0.020 min

Lab File: BG061142.D

Acq: 8 May 2024 15:05

Instrument :

BNA_G

ClientSampleId :

TOP-SOIL-3

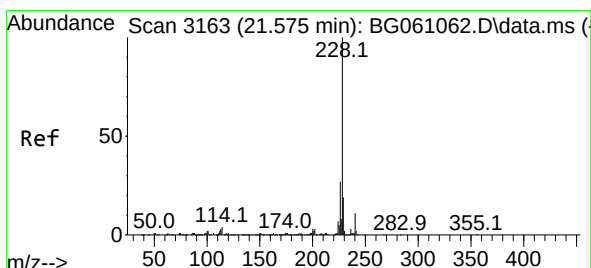
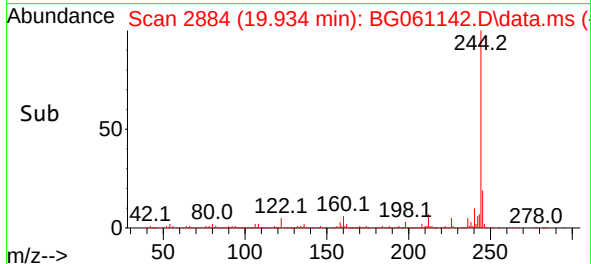
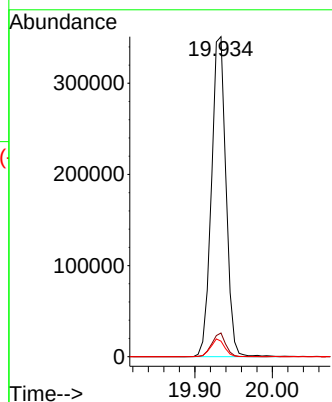
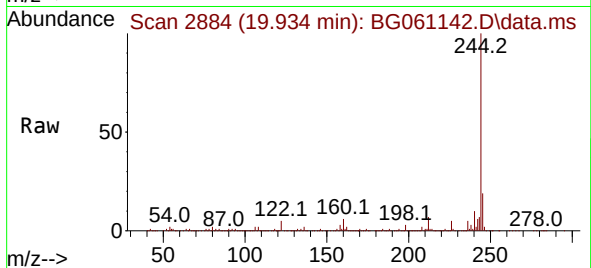
Tgt Ion:244 Resp: 456581

Ion Ratio Lower Upper

244 100

212 7.4 5.7 8.5

122 4.8 4.2 6.2



#81

Benzo(a)anthracene

Concen: 2.277 ng

RT: 21.549 min Scan# 3159

Delta R.T. -0.026 min

Lab File: BG061142.D

Acq: 8 May 2024 15:05

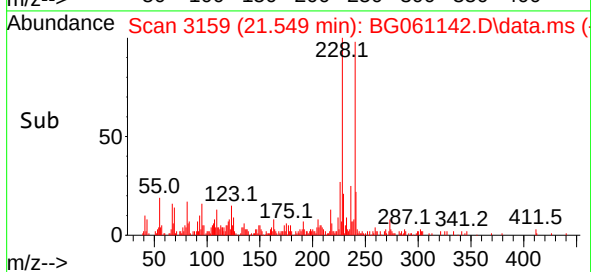
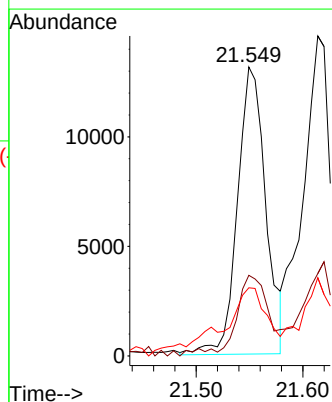
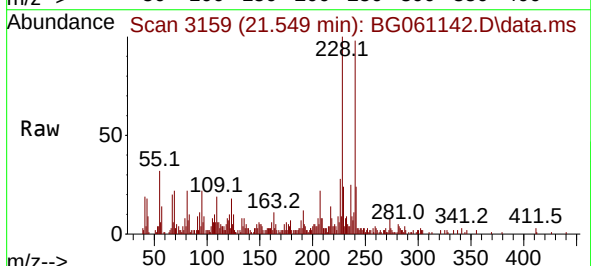
Tgt Ion:228 Resp: 24207

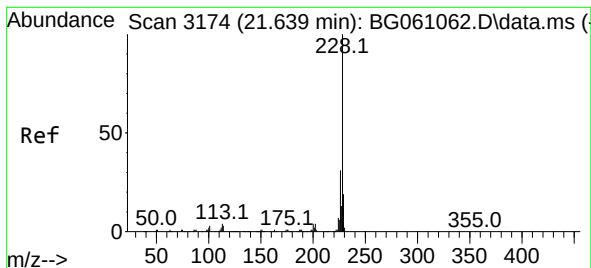
Ion Ratio Lower Upper

228 100

226 27.9 21.6 32.4

229 23.6 15.0 22.4#





#83

Chrysene

Concen: 2.709 ng

RT: 21.614 min Scan# 31

Delta R.T. -0.025 min

Lab File: BG061142.D

Acq: 8 May 2024 15:05

Instrument :

BNA_G

ClientSampleId :

TOP-SOIL-3

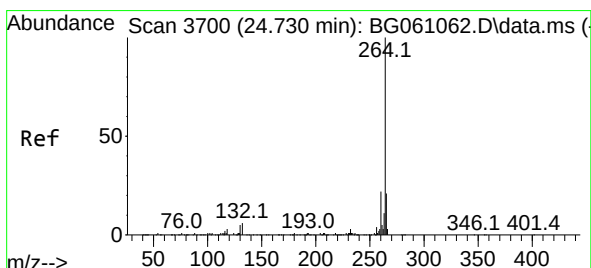
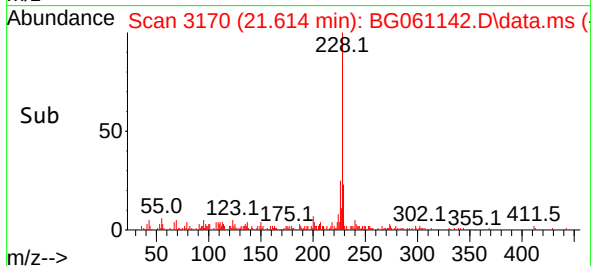
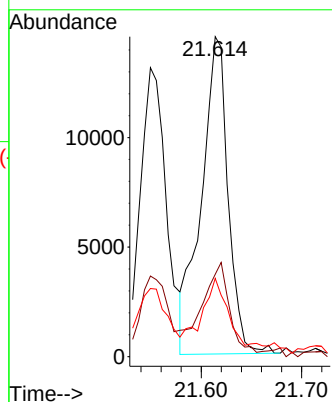
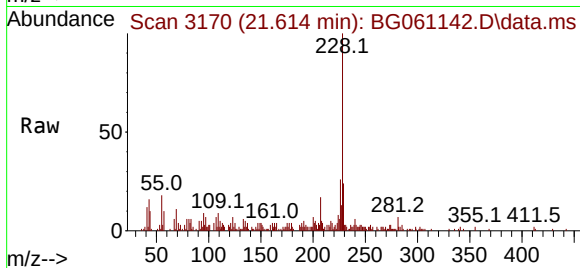
Tgt Ion:228 Resp: 26987

Ion Ratio Lower Upper

228 100

226 25.8 24.4 36.6

229 24.4 14.8 22.2#



#86

Perylene-d12

Concen: 20.000 ng

RT: 24.699 min Scan# 3695

Delta R.T. -0.031 min

Lab File: BG061142.D

Acq: 8 May 2024 15:05

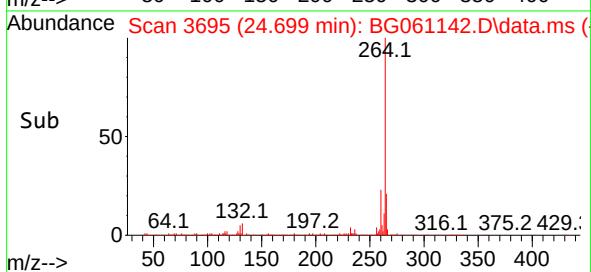
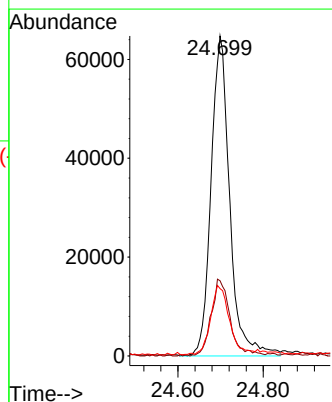
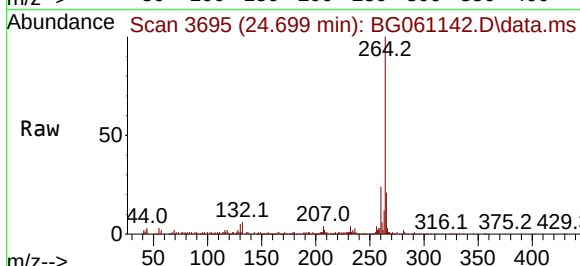
Tgt Ion:264 Resp: 196793

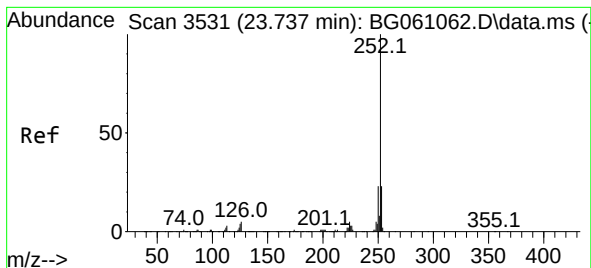
Ion Ratio Lower Upper

264 100

260 23.5 17.7 26.5

265 21.0 16.4 24.6





#88

Benzo(b)fluoranthene

Concen: 3.402 ng

RT: 23.717 min Scan# 3

Delta R.T. -0.020 min

Lab File: BG061142.D

Acq: 8 May 2024 15:05

Instrument :

BNA_G

ClientSampleId :

TOP-SOIL-3

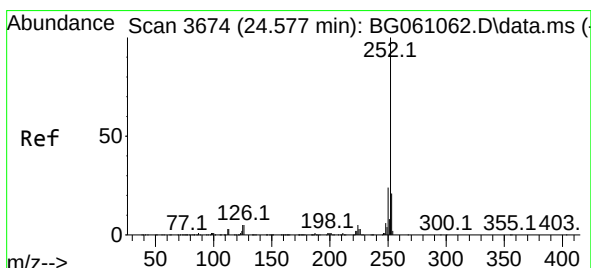
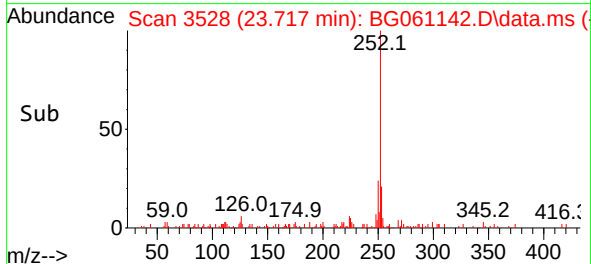
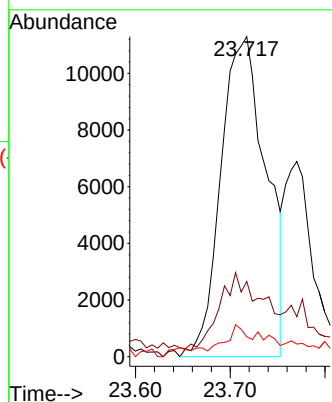
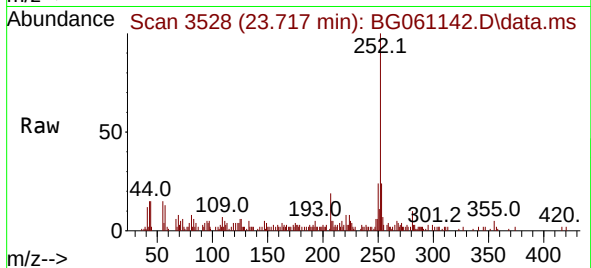
Tgt Ion:252 Resp: 37407

Ion Ratio Lower Upper

252 100

253 23.5 18.2 27.2

125 6.2 3.4 5.0#



#90

Benzo(a)pyrene

Concen: 2.475 ng

RT: 24.546 min Scan# 3669

Delta R.T. -0.031 min

Lab File: BG061142.D

Acq: 8 May 2024 15:05

Tgt Ion:252 Resp: 23715

Ion Ratio Lower Upper

252 100

253 23.5 16.9 25.3

125 9.9 3.8 5.8#

