

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG062023\
 Data File : BG057773.D
 Acq On : 20 Jun 2023 12:47
 Operator : CG/JU
 Sample : 03262-07
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 WS-SOIL3-0615

Quant Time: Jun 20 14:03:47 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG061923.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jun 20 03:40:38 2023
 Response via : Initial Calibration

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

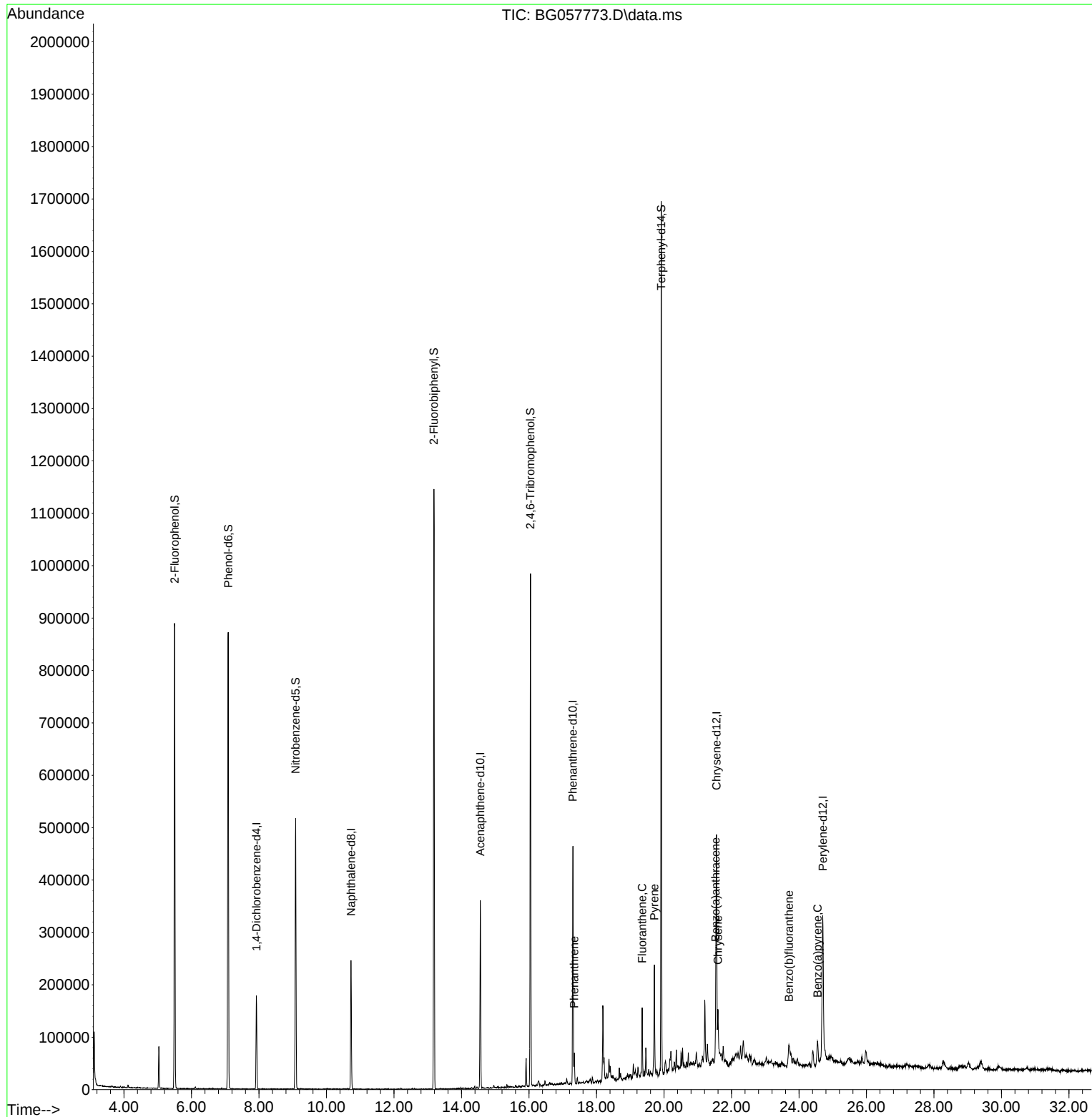
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.925	152	48846	20.000	ng	0.00
21) Naphthalene-d8	10.727	136	197759	20.000	ng	0.00
39) Acenaphthene-d10	14.558	164	126711	20.000	ng	0.00
64) Phenanthrene-d10	17.302	188	277588	20.000	ng	0.00
76) Chrysene-d12	21.556	240	229142	20.000	ng	0.00
86) Perylene-d12	24.705	264	284997	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.504	112	363965	114.892	ng	0.00
7) Phenol-d6	7.090	99	504925	104.459	ng	0.00
23) Nitrobenzene-d5	9.088	82	305670	79.329	ng	0.00
42) 2,4,6-Tribromophenol	16.045	330	193884	109.845	ng	0.00
45) 2-Fluorobiphenyl	13.183	172	602794	72.155	ng	0.00
79) Terphenyl-d14	19.922	244	868611	70.684	ng	0.00
Target Compounds						
						Qvalue
71) Phenanthrene	17.343	178	34318	2.553	ng	95
75) Fluoranthene	19.352	202	71623	4.473	ng	98
78) Pyrene	19.717	202	130495	7.983	ng	100
81) Benzo(a)anthracene	21.532	228	61115	3.887	ng	98
83) Chrysene	21.597	228	59293	3.930	ng	98
88) Benzo(b)fluoranthene	23.706	252	50925	3.261	ng	# 97
90) Benzo(a)pyrene	24.552	252	49906	3.254	ng	97

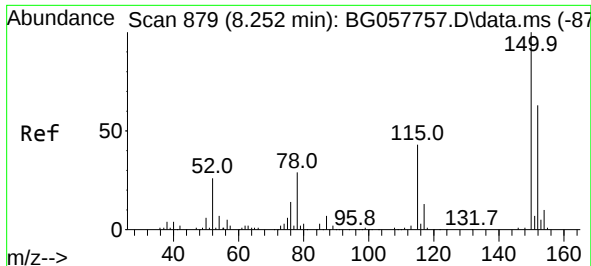
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG062023\
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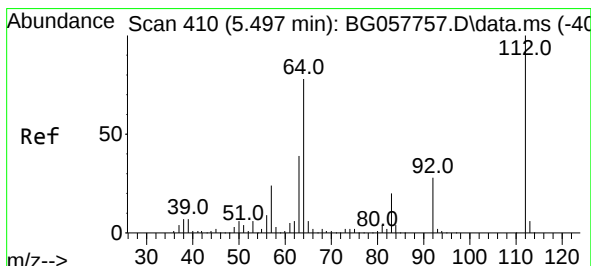
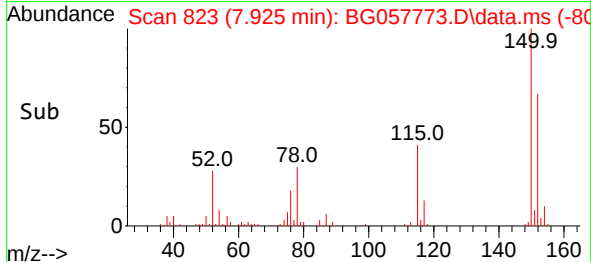
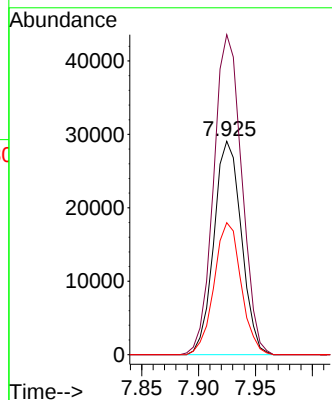
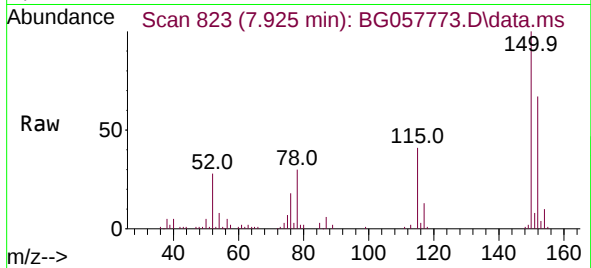




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.925 min Scan# 81
Delta R.T. -0.004 min
Lab File: BG057773.D
Acq: 20 Jun 2023 12:47

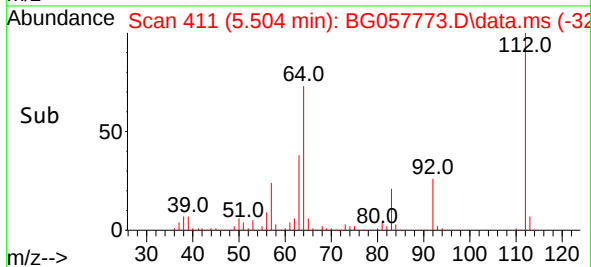
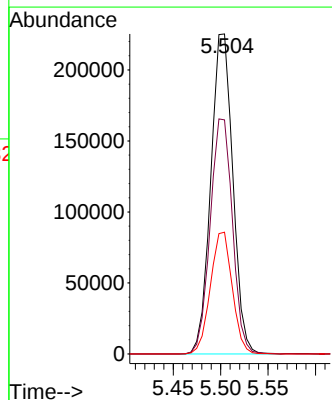
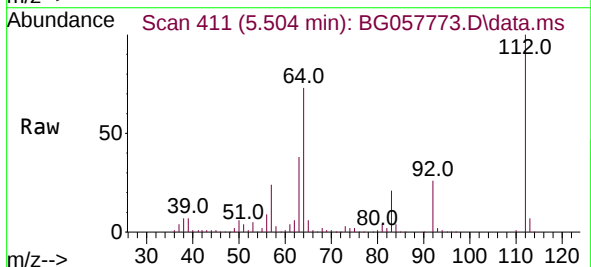
Instrument :
BNA_G
ClientSampleId :
WS-SOIL3-0615

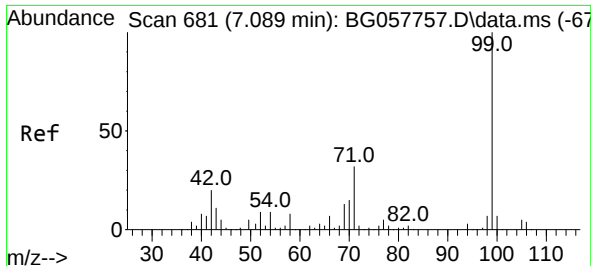
Tgt Ion:152 Resp: 48846
Ion Ratio Lower Upper
152 100
150 150.0 126.6 189.8
115 61.9 48.9 73.3



#5
2-Fluorophenol
Concen: 114.892 ng
RT: 5.504 min Scan# 411
Delta R.T. 0.007 min
Lab File: BG057773.D
Acq: 20 Jun 2023 12:47

Tgt Ion:112 Resp: 363965
Ion Ratio Lower Upper
112 100
64 73.1 62.1 93.1
63 38.1 31.5 47.3

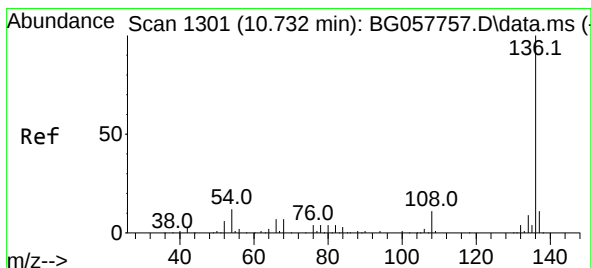
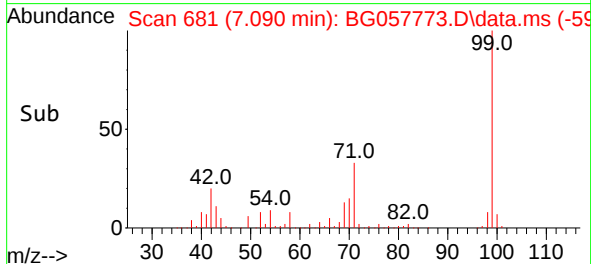
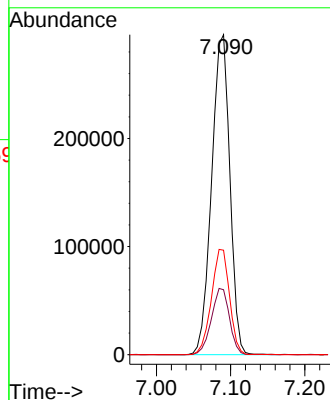
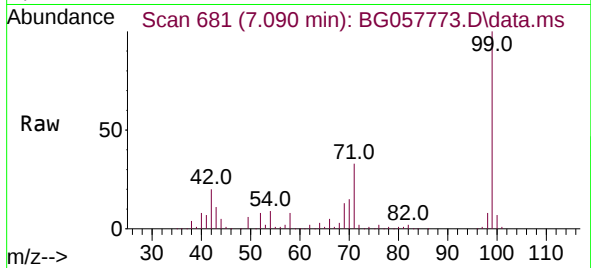




#7
Phenol-d6
Concen: 104.459 ng
RT: 7.090 min Scan# 61
Delta R.T. 0.001 min
Lab File: BG057773.D
Acq: 20 Jun 2023 12:47

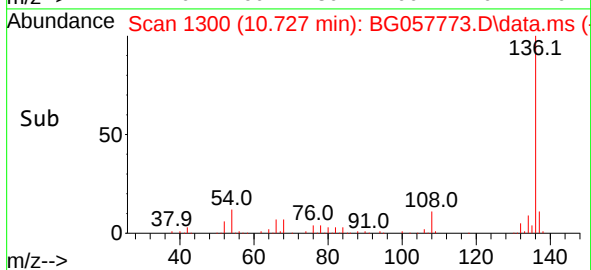
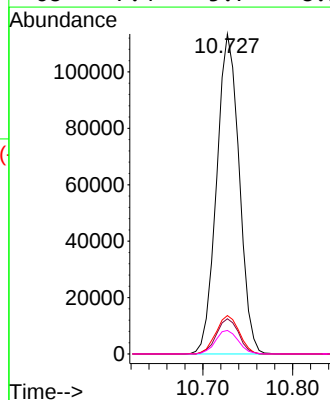
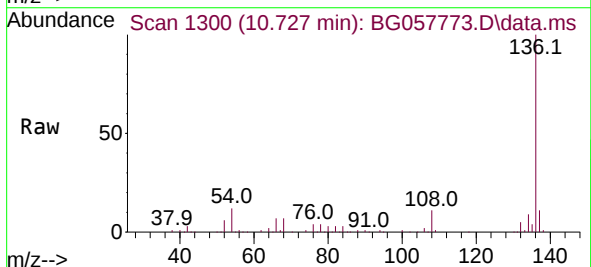
Instrument :
BNA_G
ClientSampleId :
WS-SOIL3-0615

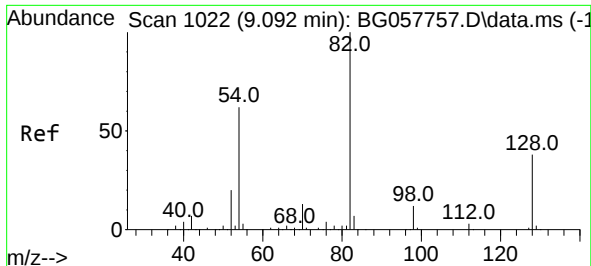
Tgt Ion: 99 Resp: 504925
Ion Ratio Lower Upper
99 100
42 20.3 16.4 24.6
71 32.7 25.8 38.6



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.727 min Scan# 1300
Delta R.T. -0.005 min
Lab File: BG057773.D
Acq: 20 Jun 2023 12:47

Tgt Ion: 136 Resp: 197759
Ion Ratio Lower Upper
136 100
137 11.0 8.5 12.7
54 12.0 9.5 14.3
68 7.4 5.7 8.5

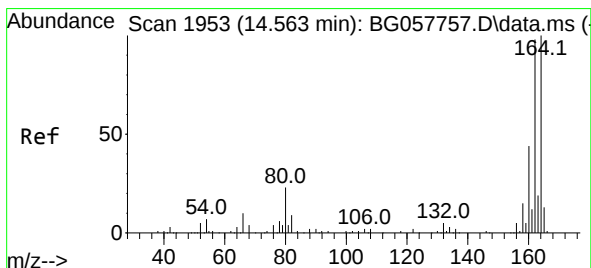
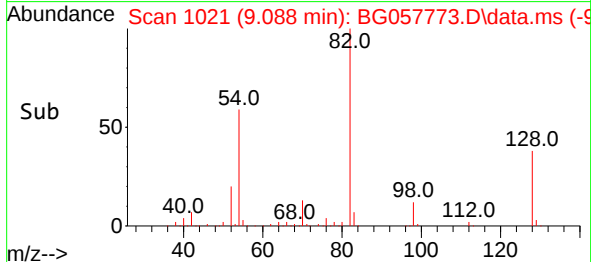
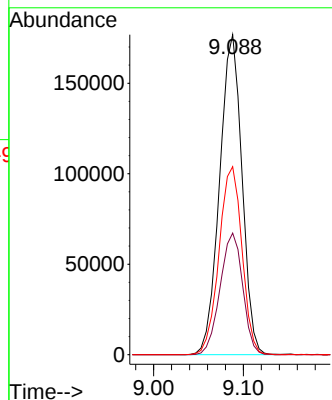
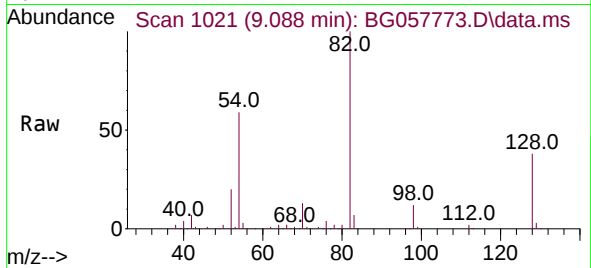




#23
Nitrobenzene-d5
Concen: 79.329 ng
RT: 9.088 min Scan# 1021
Delta R.T. -0.004 min
Lab File: BG057773.D
Acq: 20 Jun 2023 12:47

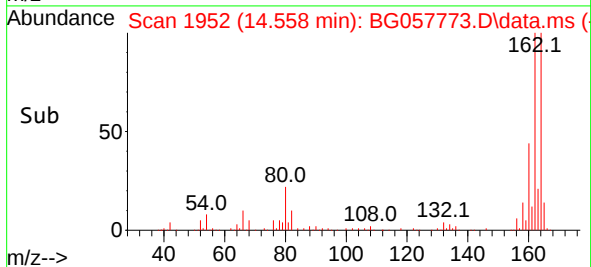
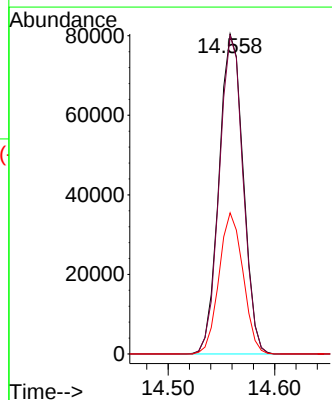
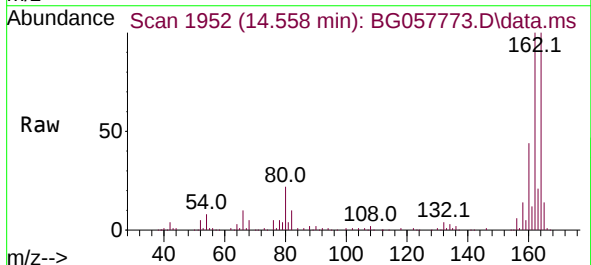
Instrument :
BNA_G
ClientSampleId :
WS-SOIL3-0615

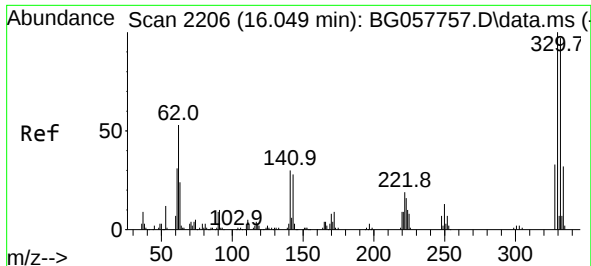
Tgt Ion: 82 Resp: 305670
Ion Ratio Lower Upper
82 100
128 38.0 30.7 46.1
54 58.8 49.6 74.4



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.558 min Scan# 1952
Delta R.T. -0.004 min
Lab File: BG057773.D
Acq: 20 Jun 2023 12:47

Tgt Ion:164 Resp: 126711
Ion Ratio Lower Upper
164 100
162 99.5 78.3 117.5
160 44.1 35.4 53.0

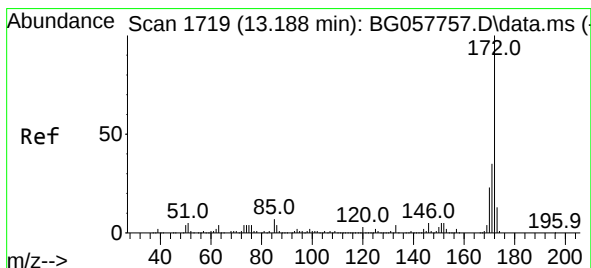
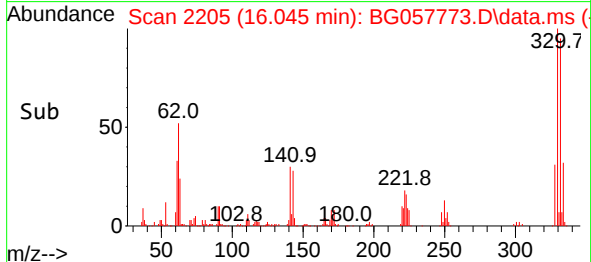
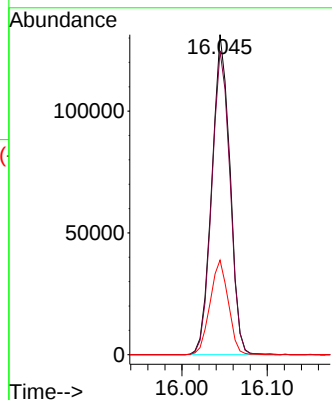
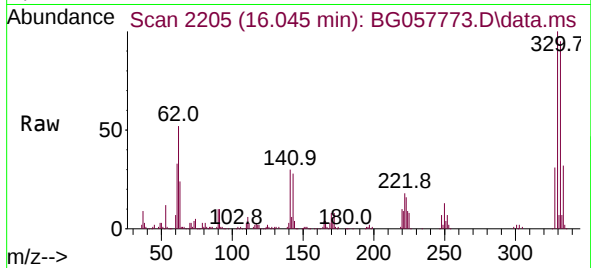




#42
2,4,6-Tribromophenol
Concen: 109.845 ng
RT: 16.045 min Scan# 21
Delta R.T. -0.005 min
Lab File: BG057773.D
Acq: 20 Jun 2023 12:47

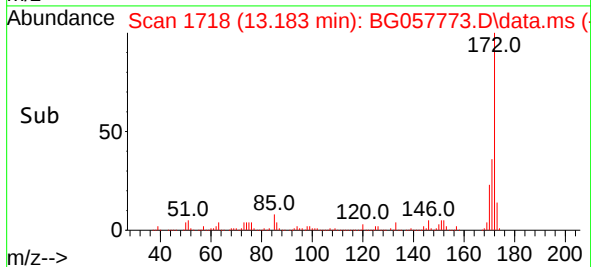
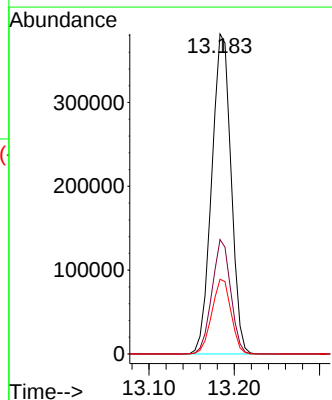
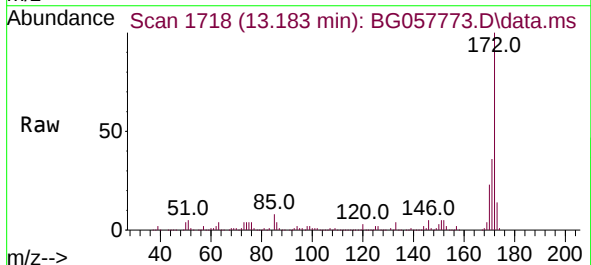
Instrument :
BNA_G
ClientSampleId :
WS-SOIL3-0615

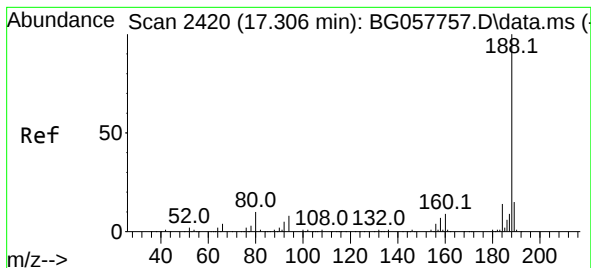
Tgt Ion:330 Resp: 193884
Ion Ratio Lower Upper
330 100
332 95.8 76.6 115.0
141 29.6 24.7 37.1



#45
2-Fluorobiphenyl
Concen: 72.155 ng
RT: 13.183 min Scan# 1718
Delta R.T. -0.004 min
Lab File: BG057773.D
Acq: 20 Jun 2023 12:47

Tgt Ion:172 Resp: 602794
Ion Ratio Lower Upper
172 100
171 35.7 28.1 42.1
170 23.4 18.6 27.8





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.302 min Scan# 2419

Delta R.T. -0.005 min

Lab File: BG057773.D

Acq: 20 Jun 2023 12:47

Instrument :

BNA_G

ClientSampleId :

WS-SOIL3-0615

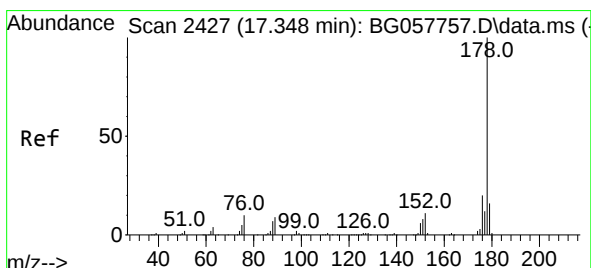
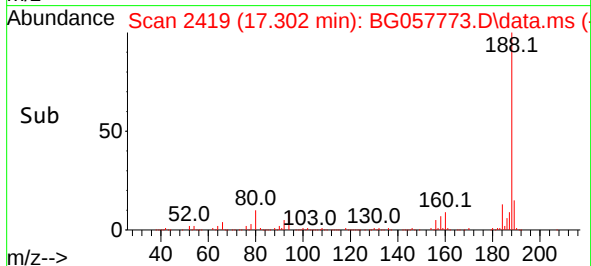
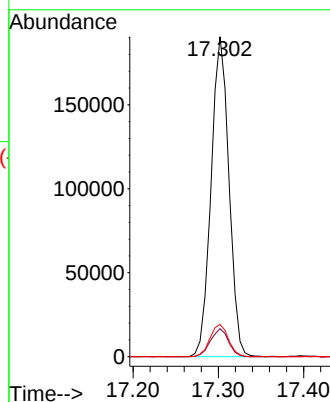
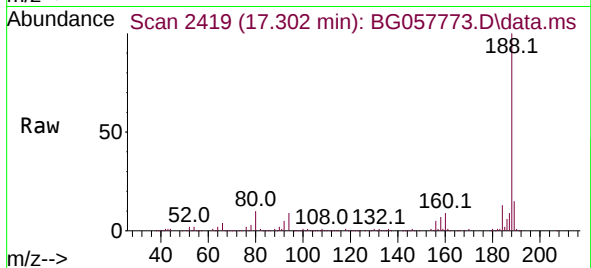
Tgt Ion:188 Resp: 277588

Ion Ratio Lower Upper

188 100

94 8.8 6.6 9.8

80 10.1 7.6 11.4



#71

Phenanthrene

Concen: 2.553 ng

RT: 17.343 min Scan# 2426

Delta R.T. -0.004 min

Lab File: BG057773.D

Acq: 20 Jun 2023 12:47

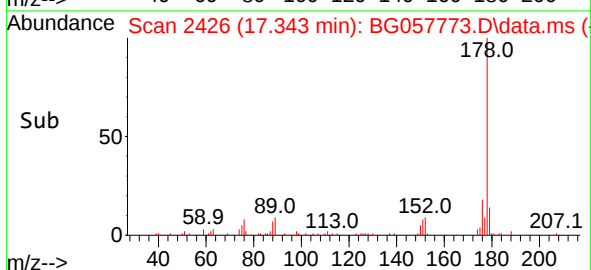
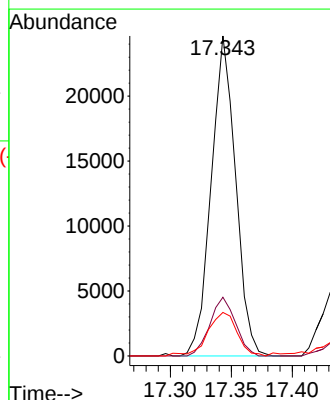
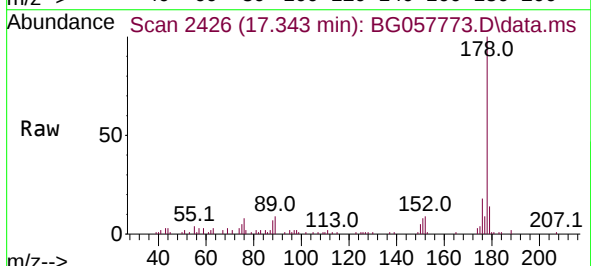
Tgt Ion:178 Resp: 34318

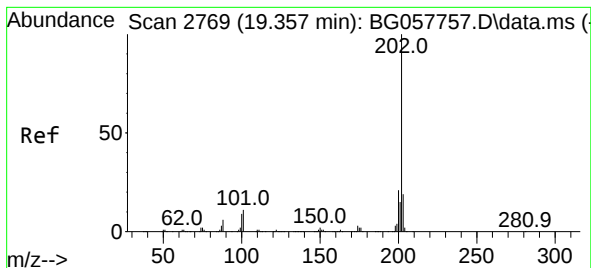
Ion Ratio Lower Upper

178 100

176 18.4 16.3 24.5

179 13.6 13.0 19.6





#75

Fluoranthene

Concen: 4.473 ng

RT: 19.352 min Scan# 21

Delta R.T. -0.005 min

Lab File: BG057773.D

Acq: 20 Jun 2023 12:47

Instrument :

BNA_G

ClientSampleId :

WS-SOIL3-0615

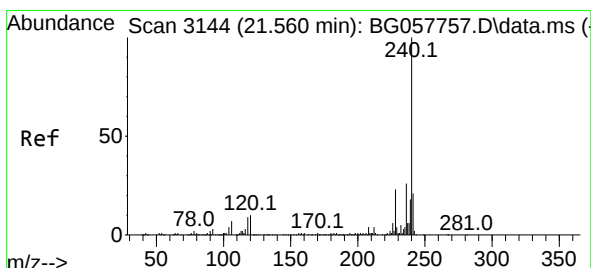
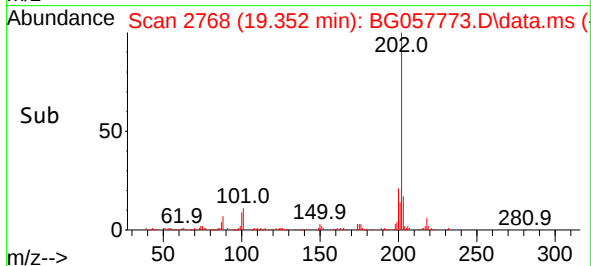
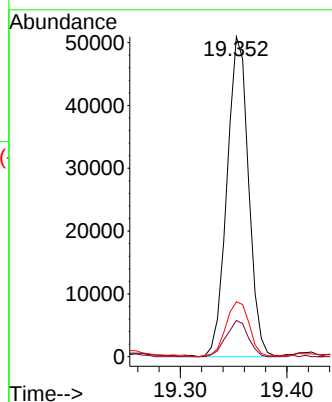
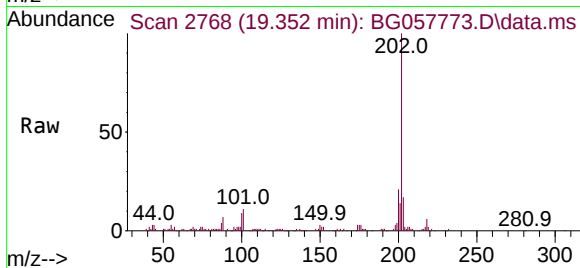
Tgt Ion:202 Resp: 71623

Ion Ratio Lower Upper

202 100

101 11.3 0.0 31.3

203 17.2 0.0 38.7



#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.556 min Scan# 3143

Delta R.T. -0.005 min

Lab File: BG057773.D

Acq: 20 Jun 2023 12:47

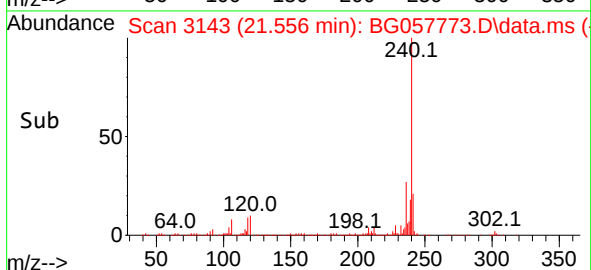
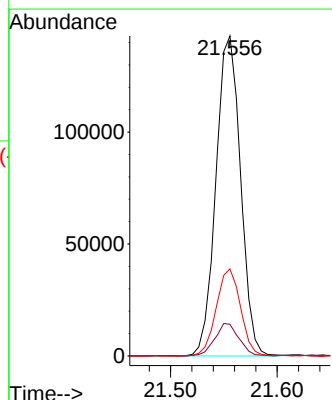
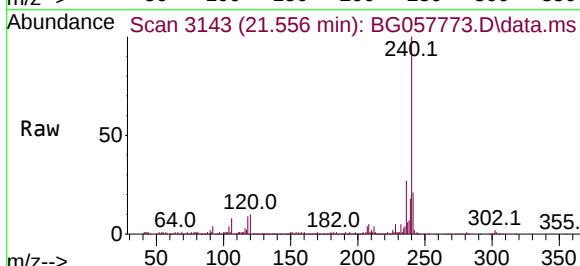
Tgt Ion:240 Resp: 229142

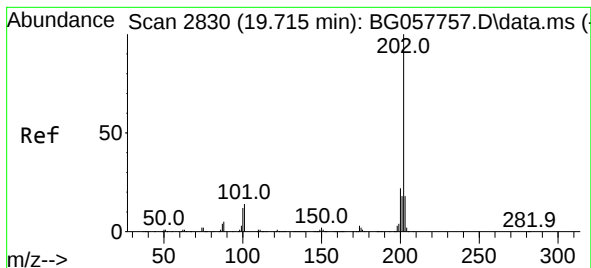
Ion Ratio Lower Upper

240 100

120 9.9 8.1 12.1

236 27.2 20.6 30.8





#78

Pyrene

Concen: 7.983 ng

RT: 19.717 min Scan# 21

Delta R.T. 0.001 min

Lab File: BG057773.D

Acq: 20 Jun 2023 12:47

Instrument :

BNA_G

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WS-SOIL3-0615

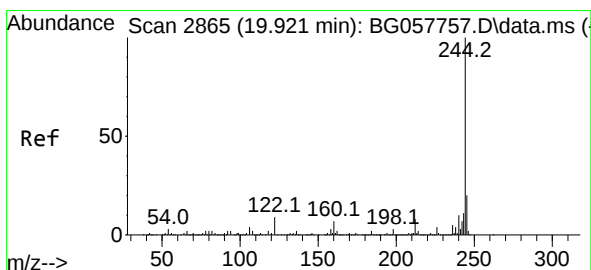
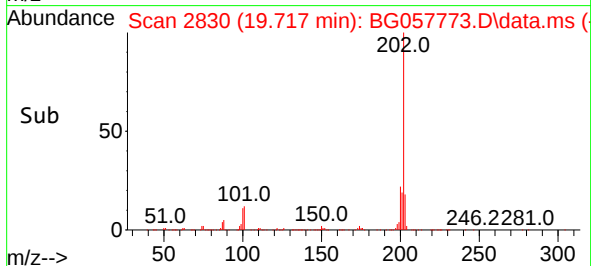
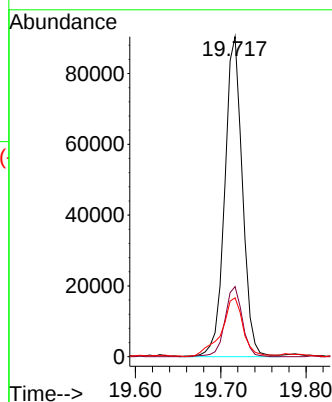
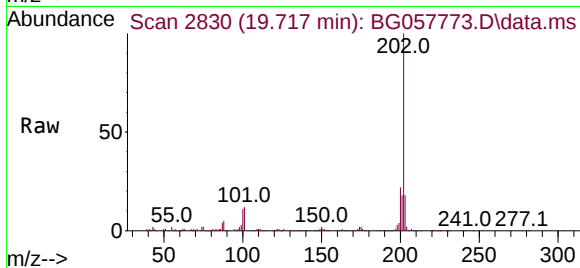
Tgt Ion:202 Resp: 130495

Ion Ratio Lower Upper

202 100

200 21.9 17.4 26.0

203 18.4 14.6 22.0



#79

Terphenyl-d14

Concen: 70.684 ng

RT: 19.922 min Scan# 2865

Delta R.T. 0.001 min

Lab File: BG057773.D

Acq: 20 Jun 2023 12:47

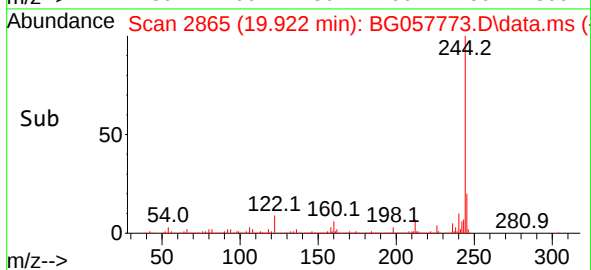
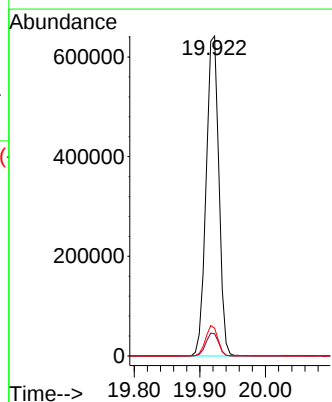
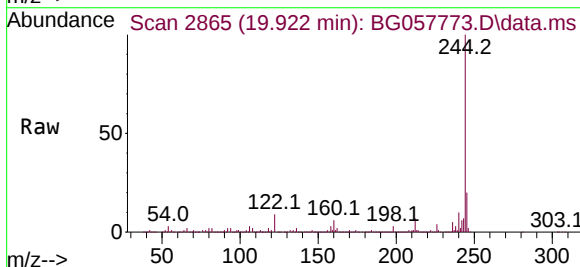
Tgt Ion:244 Resp: 868611

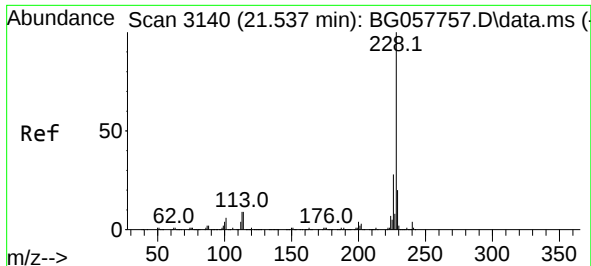
Ion Ratio Lower Upper

244 100

212 7.0 6.1 9.1

122 8.7 7.6 11.4

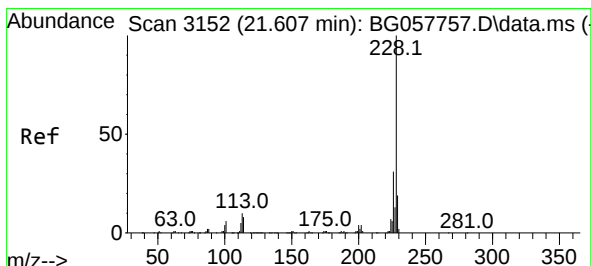
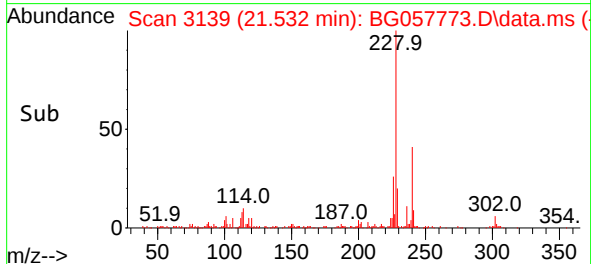
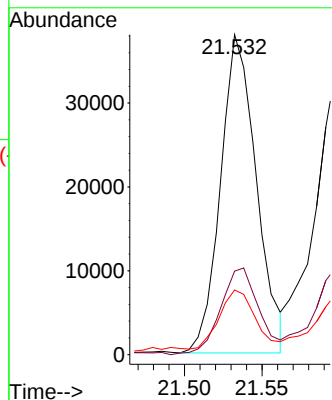
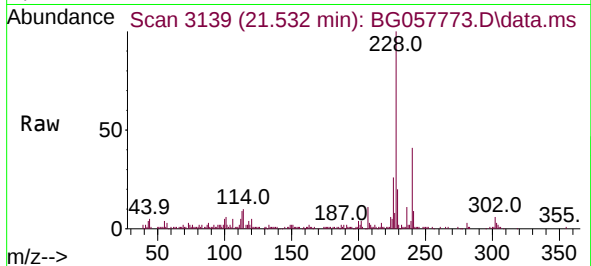




#81
Benzo(a)anthracene
Concen: 3.887 ng
RT: 21.532 min Scan# 3140
Delta R.T. -0.005 min
Lab File: BG057773.D
Acq: 20 Jun 2023 12:47

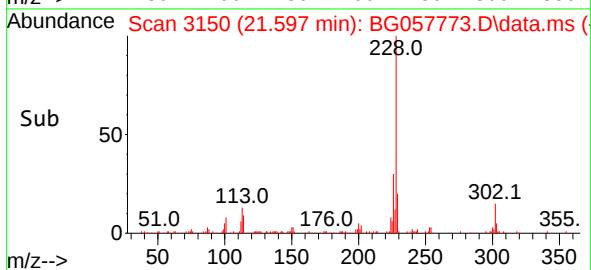
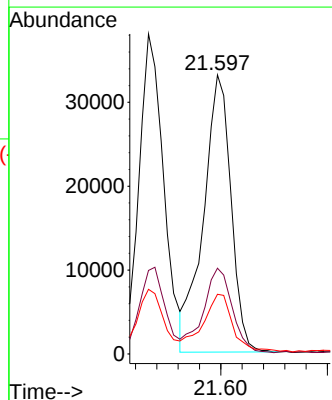
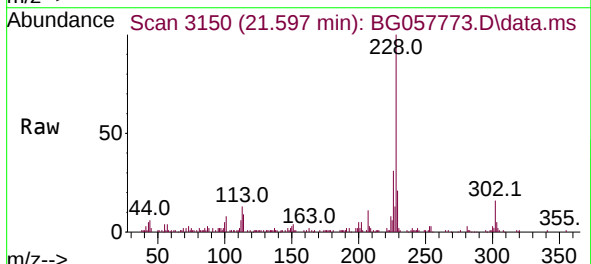
Instrument :
BNA_G
ClientSampleId :
WS-SOIL3-0615

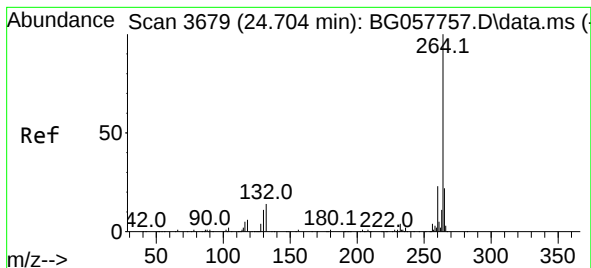
Tgt Ion:228 Resp: 61115
Ion Ratio Lower Upper
228 100
226 26.1 22.3 33.5
229 20.2 16.3 24.5



#83
Chrysene
Concen: 3.930 ng
RT: 21.597 min Scan# 3150
Delta R.T. -0.010 min
Lab File: BG057773.D
Acq: 20 Jun 2023 12:47

Tgt Ion:228 Resp: 59293
Ion Ratio Lower Upper
228 100
226 30.8 24.8 37.2
229 21.4 15.6 23.4





#86

Perylene-d12

Concen: 20.000 ng

RT: 24.705 min Scan# 3

Delta R.T. 0.001 min

Lab File: BG057773.D

Acq: 20 Jun 2023 12:47

Instrument :

BNA_G

ClientSampleId :

WS-SOIL3-0615

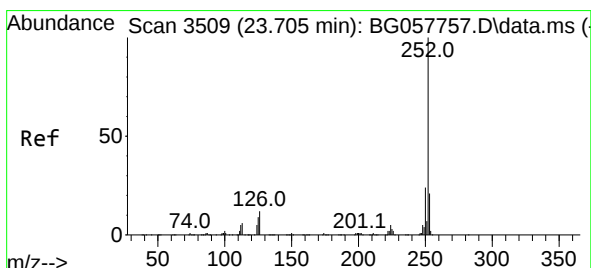
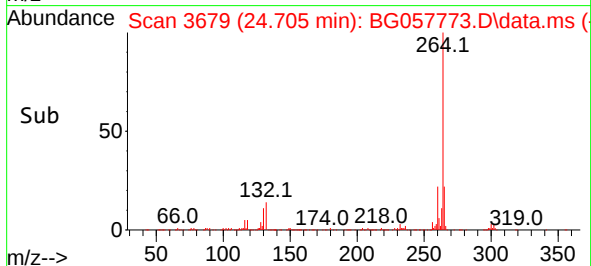
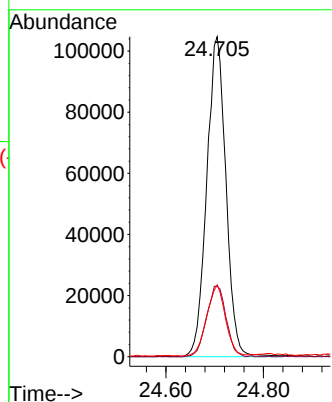
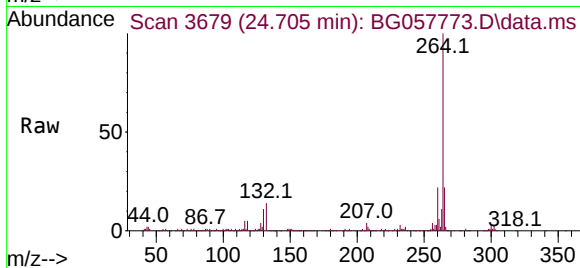
Tgt Ion:264 Resp: 284997

Ion Ratio Lower Upper

264 100

260 22.1 18.5 27.7

265 22.4 17.4 26.2



#88

Benzo(b)fluoranthene

Concen: 3.261 ng

RT: 23.706 min Scan# 3509

Delta R.T. 0.001 min

Lab File: BG057773.D

Acq: 20 Jun 2023 12:47

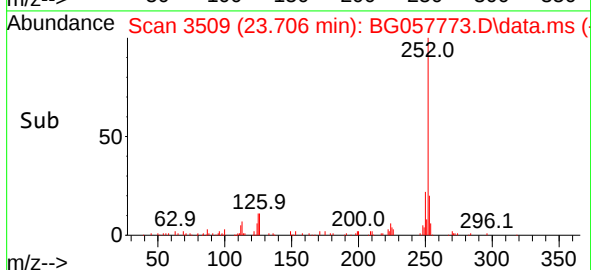
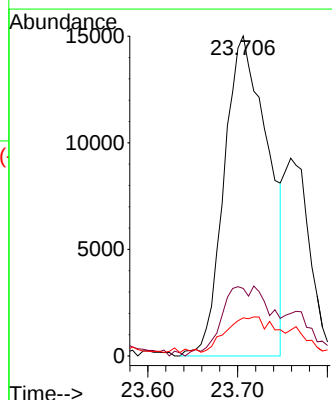
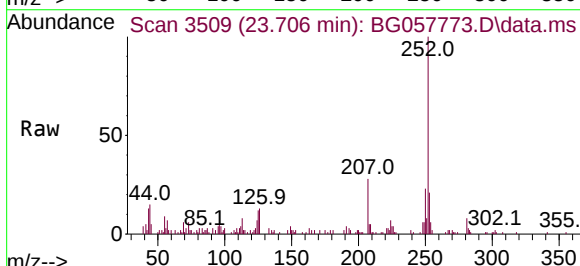
Tgt Ion:252 Resp: 50925

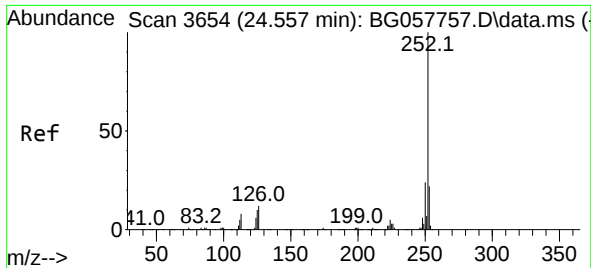
Ion Ratio Lower Upper

252 100

253 21.1 17.1 25.7

125 11.9 7.4 11.0#





#90
 Benzo(a)pyrene
 Concen: 3.254 ng
 RT: 24.552 min Scan# 30
 Delta R.T. -0.004 min
 Lab File: BG057773.D
 Acq: 20 Jun 2023 12:47

Instrument :
 BNA_G
 ClientSampleId :
 WS-SOIL3-0615

Tgt Ion:252 Resp: 49906
 Ion Ratio Lower Upper
 252 100
 253 21.1 17.4 26.2
 125 11.8 8.0 12.0

