

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG020923\
 Data File : BG056599.D
 Acq On : 9 Feb 2023 16:11
 Operator : CG/JU
 Sample : 01483-01
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 TOPSOIL

Quant Time: Feb 10 00:15:29 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG012723.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Feb 08 03:02:11 2023
 Response via : Initial Calibration

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

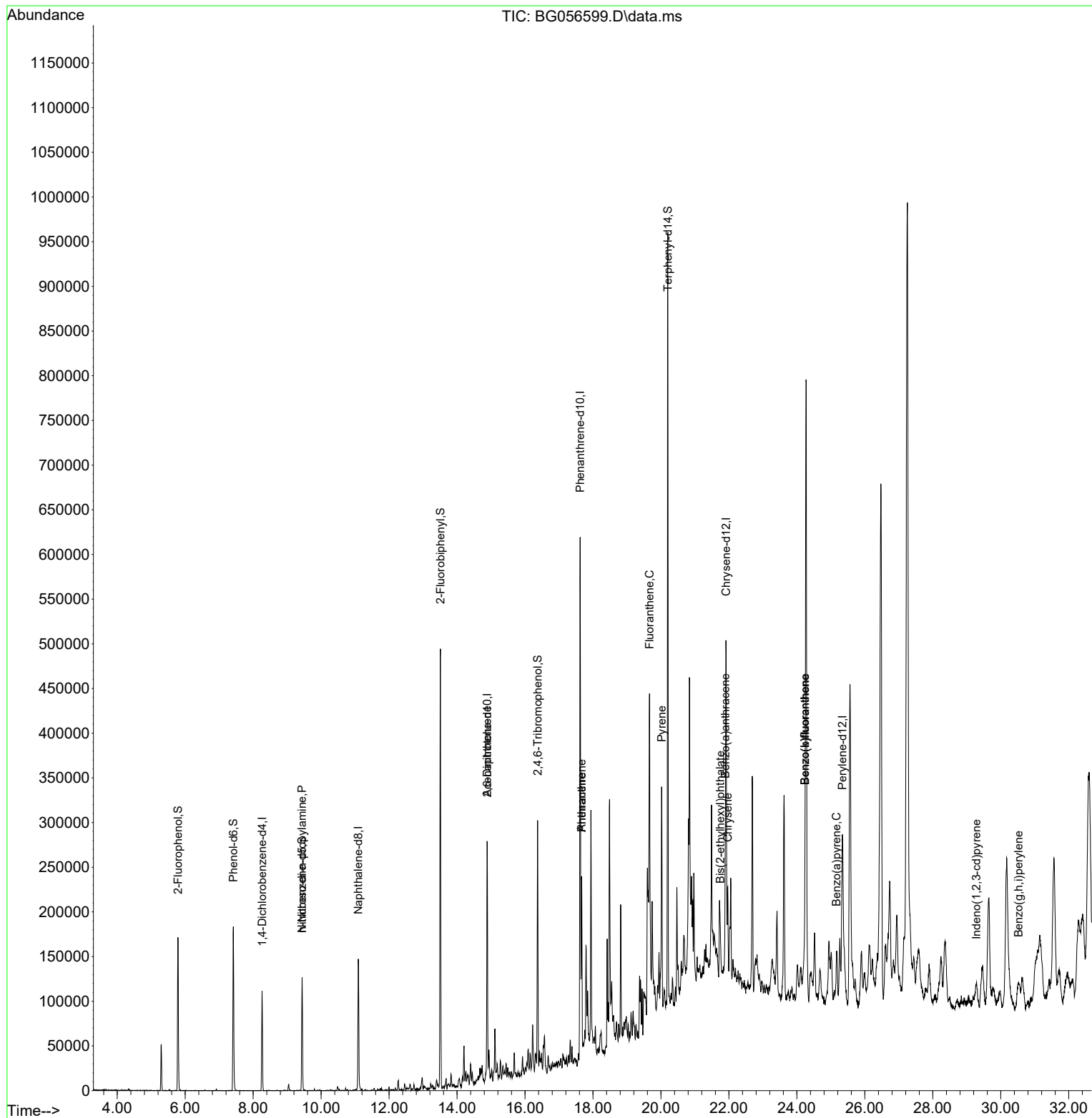
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.262	152	36605	20.000	ng	# 0.00
21) Naphthalene-d8	11.094	136	139963	20.000	ng	0.00
39) Acenaphthene-d10	14.884	164	103414	20.000	ng	0.00
64) Phenanthrene-d10	17.621	188	229156	20.000	ng	# 0.00
76) Chrysene-d12	21.911	240	217577	20.000	ng	-0.01
86) Perylene-d12	25.336	264	237257	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.788	112	103324	51.925	ng	0.00
7) Phenol-d6	7.416	99	149231	50.616	ng	0.00
23) Nitrobenzene-d5	9.437	82	90115	36.561	ng	0.00
42) 2,4,6-Tribromophenol	16.370	330	58215	42.344	ng	0.00
45) 2-Fluorobiphenyl	13.509	172	288935	38.736	ng	0.00
79) Terphenyl-d14	20.201	244	461196	37.229	ng	0.00
Target Compounds						Qvalue
9) Benzaldehyde	7.410	77	540	Below Cal	#	1
19) n-Nitroso-di-n-propyla...	9.437	70	11122	6.546	ng	# 64
51) 2,6-Dinitrotoluene	14.884	165	14310	7.843	ng	# 38
71) Phenanthrene	17.663	178	69857	5.825	ng	99
72) Anthracene	17.663	178	69857	5.674	ng	97
75) Fluoranthene	19.660	202	163640	10.810	ng	99
78) Pyrene	20.019	202	131559	8.502	ng	98
81) Benzo(a)anthracene	21.893	228	71357	4.691	ng	97
83) Chrysene	21.963	228	81167	5.680	ng	98
84) Bis(2-ethylhexyl)phtha...	21.746	149	16273	2.402	ng	95
87) Indeno(1,2,3-cd)pyrene	29.278	276	54306	3.127	ng	# 89
88) Benzo(b)fluoranthene	24.237	252	111199	7.551	ng	# 98
89) Benzo(k)fluoranthene	24.237	252	111199	7.479	ng	# 97
90) Benzo(a)pyrene	25.166	252	68776	4.741	ng	98
92) Benzo(g,h,i)perylene	30.524	276	53078	3.773	ng	97

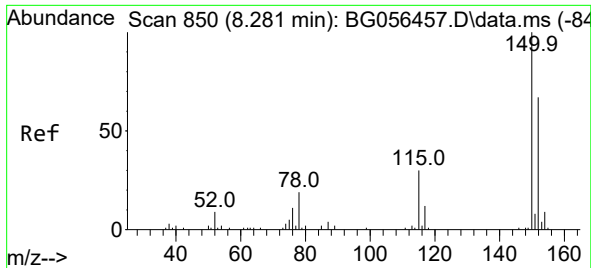
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG020923\
Data File : BG056599.D
Acq On : 9 Feb 2023 16:11
Operator : CG/JU
Sample : 01483-01
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
TOPSOIL

Quant Time: Feb 10 00:15:29 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG012723.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Feb 08 03:02:11 2023
Response via : Initial Calibration

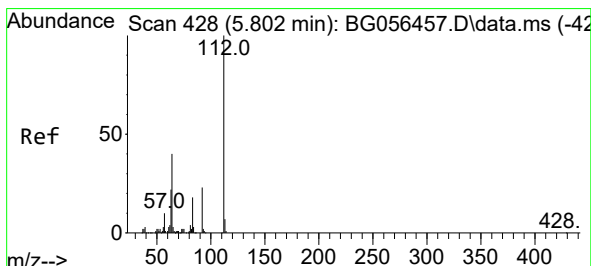
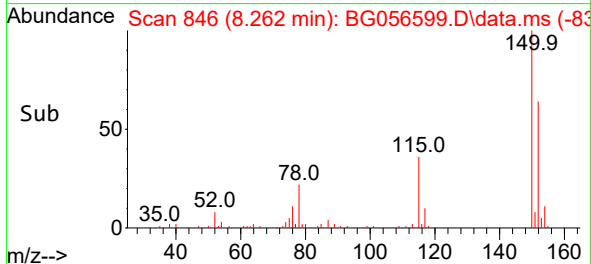
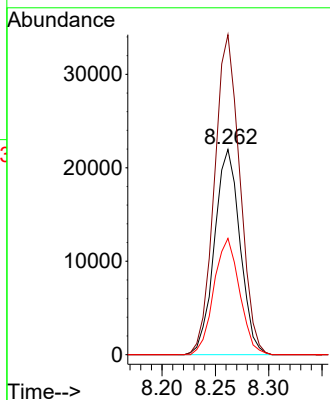
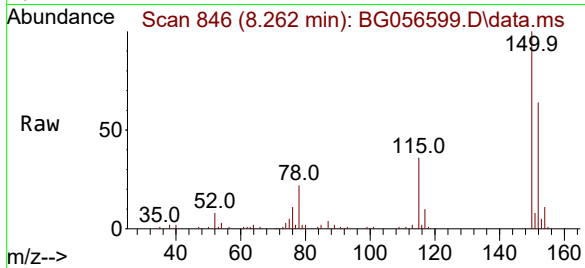




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.262 min Scan# 84
Delta R.T. -0.007 min
Lab File: BG056599.D
Acq: 9 Feb 2023 16:11

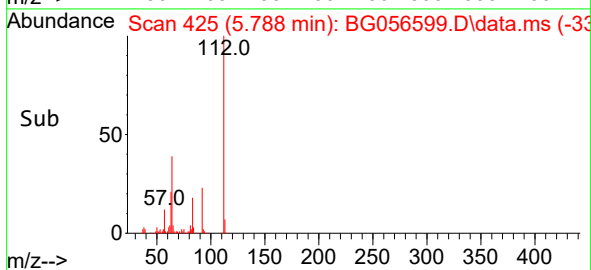
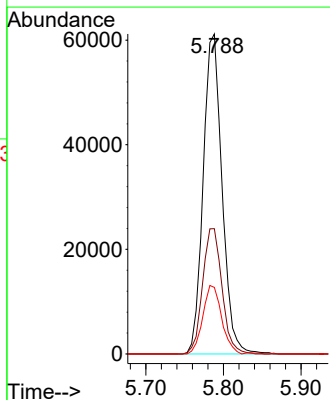
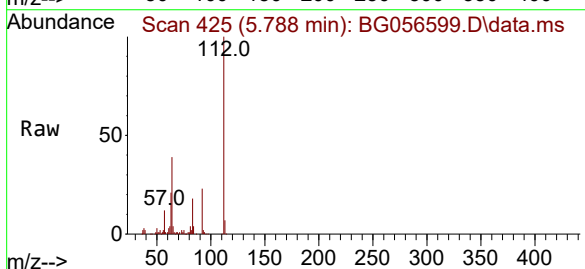
Instrument :
BNA_G
ClientSampleId :
TOPSOIL

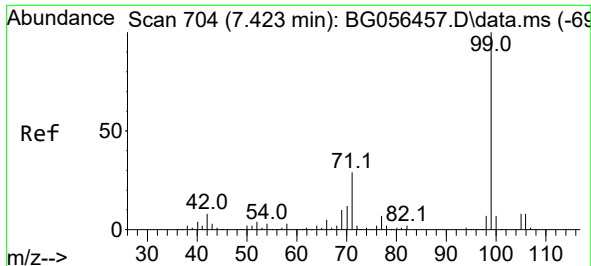
Tgt Ion:152 Resp: 36605
Ion Ratio Lower Upper
152 100
150 155.9 120.2 180.4
115 56.6 36.3 54.5#



#5
2-Fluorophenol
Concen: 51.925 ng
RT: 5.788 min Scan# 425
Delta R.T. -0.002 min
Lab File: BG056599.D
Acq: 9 Feb 2023 16:11

Tgt Ion:112 Resp: 103324
Ion Ratio Lower Upper
112 100
64 39.2 31.9 47.9
63 20.8 17.4 26.0

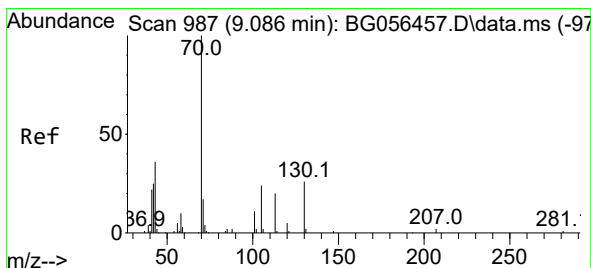
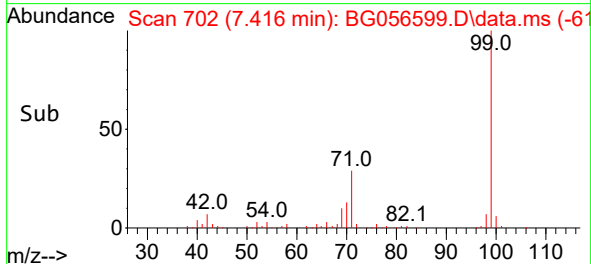
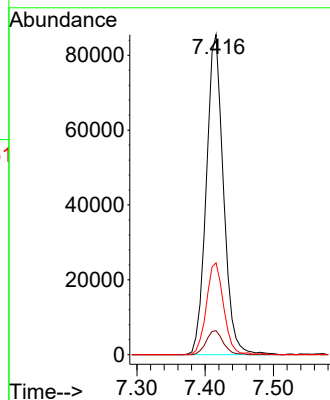
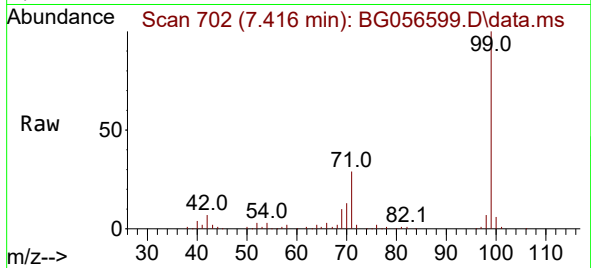




#7
Phenol-d6
Concen: 50.616 ng
RT: 7.416 min Scan# 704
Delta R.T. -0.002 min
Lab File: BG056599.D
Acq: 9 Feb 2023 16:11

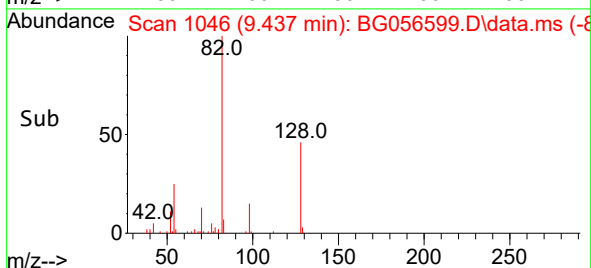
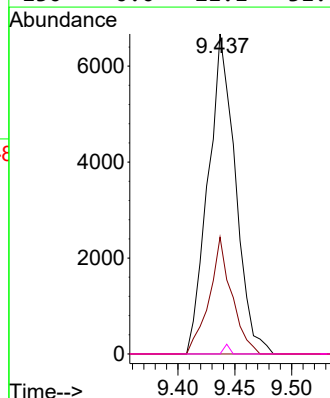
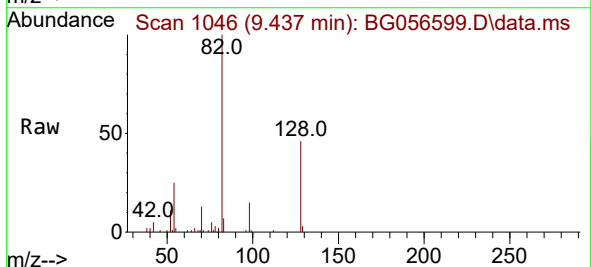
Instrument :
BNA_G
ClientSampleId :
TOPSOIL

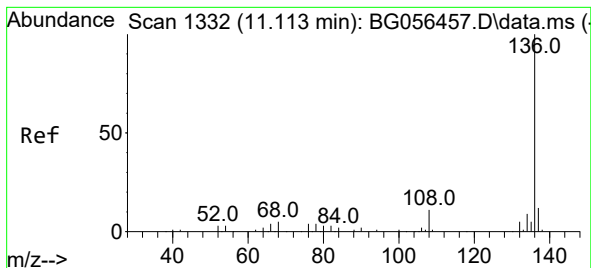
Tgt Ion: 99 Resp: 149231
Ion Ratio Lower Upper
99 100
42 7.5 6.6 10.0
71 28.7 23.4 35.0



#19
n-Nitroso-di-n-propylamine
Concen: 6.546 ng
RT: 9.437 min Scan# 1046
Delta R.T. 0.363 min
Lab File: BG056599.D
Acq: 9 Feb 2023 16:11

Tgt Ion: 70 Resp: 11122
Ion Ratio Lower Upper
70 100
42 36.5 20.2 30.4#
101 0.0 9.1 13.7#
130 0.0 21.1 31.7#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 11.094 min Scan# 1328

Delta R.T. -0.008 min

Lab File: BG056599.D

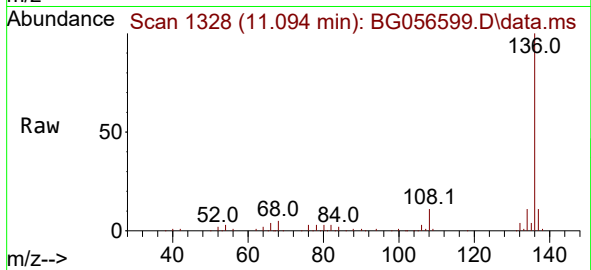
Acq: 9 Feb 2023 16:11

Instrument :

BNA_G

ClientSampleId :

TOPSOIL



Tgt Ion:136 Resp: 139963

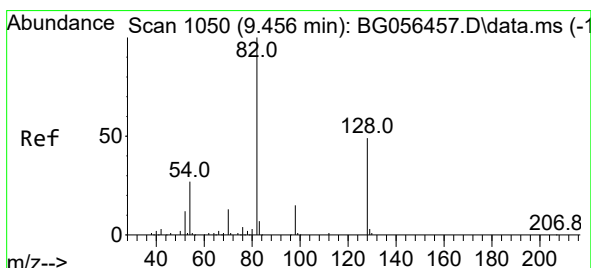
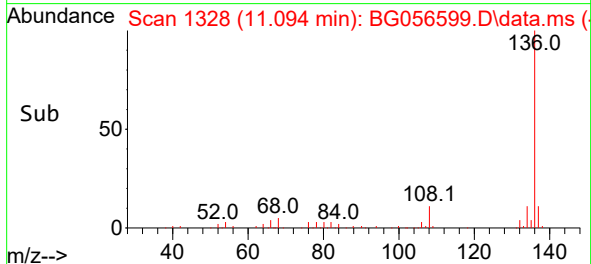
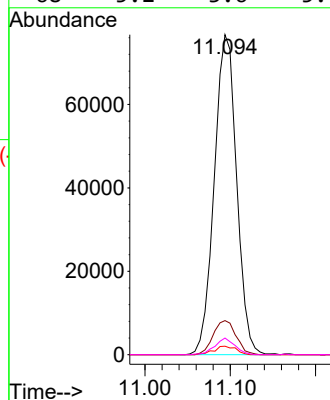
Ion Ratio Lower Upper

136 100

137 10.7 9.4 14.0

54 2.6 2.2 3.4

68 5.2 3.6 5.4



#23

Nitrobenzene-d5

Concen: 36.561 ng

RT: 9.437 min Scan# 1046

Delta R.T. -0.008 min

Lab File: BG056599.D

Acq: 9 Feb 2023 16:11

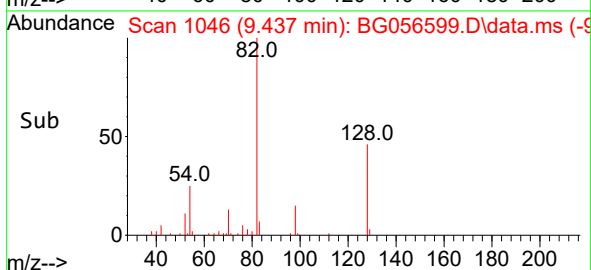
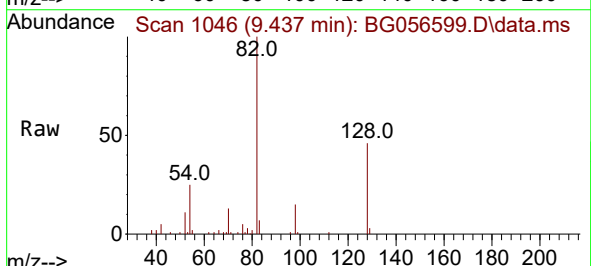
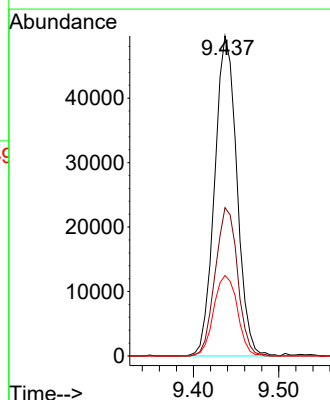
Tgt Ion: 82 Resp: 90115

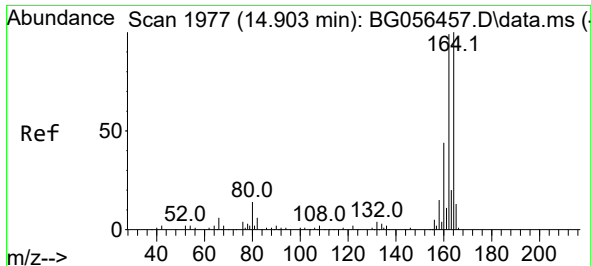
Ion Ratio Lower Upper

82 100

128 46.4 39.4 59.2

54 25.1 21.4 32.2

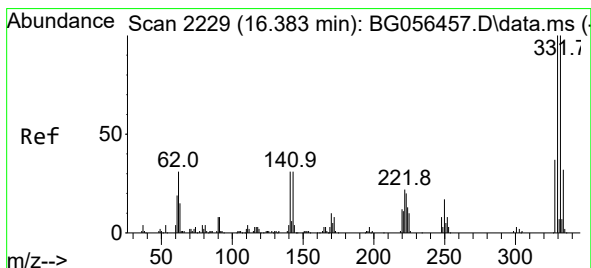
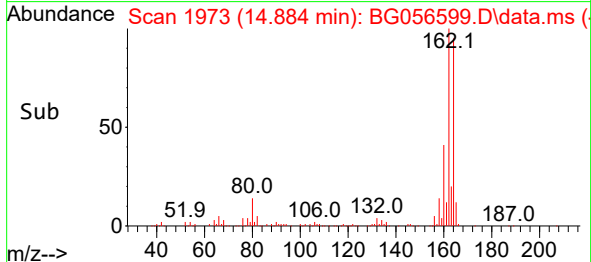
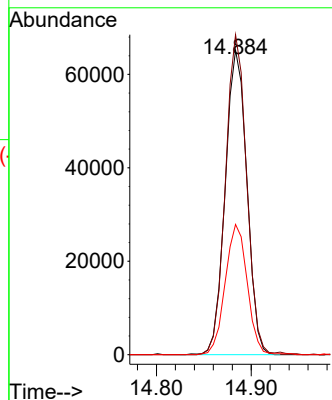
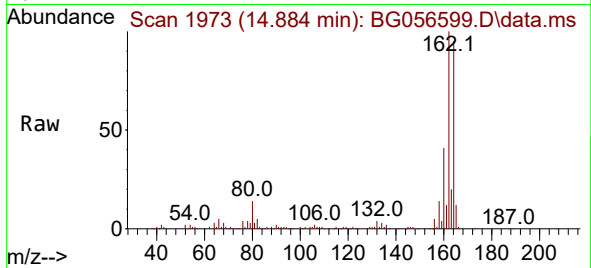




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.884 min Scan# 1973
Delta R.T. -0.008 min
Lab File: BG056599.D
Acq: 9 Feb 2023 16:11

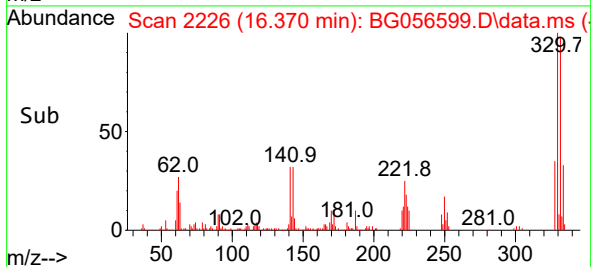
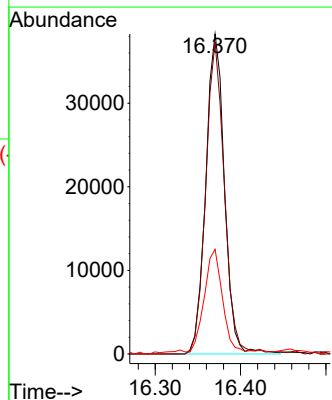
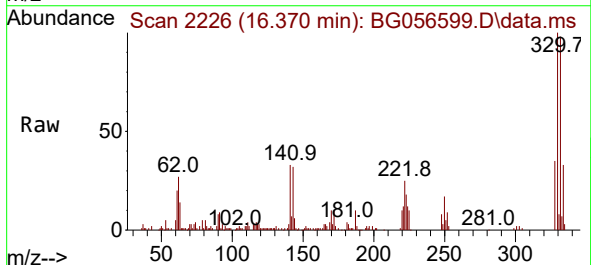
Instrument :
BNA_G
ClientSampleId :
TOPSOIL

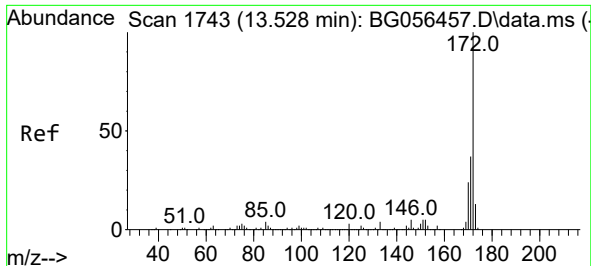
Tgt Ion:164 Resp: 103414
Ion Ratio Lower Upper
164 100
162 105.1 79.6 119.4
160 42.8 34.9 52.3



#42
2,4,6-Tribromophenol
Concen: 42.344 ng
RT: 16.370 min Scan# 2226
Delta R.T. -0.008 min
Lab File: BG056599.D
Acq: 9 Feb 2023 16:11

Tgt Ion:330 Resp: 58215
Ion Ratio Lower Upper
330 100
332 97.5 79.0 118.6
141 34.1 24.2 36.4

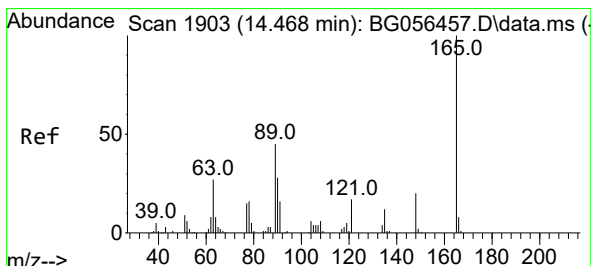
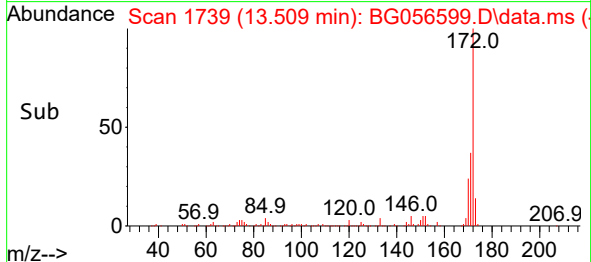
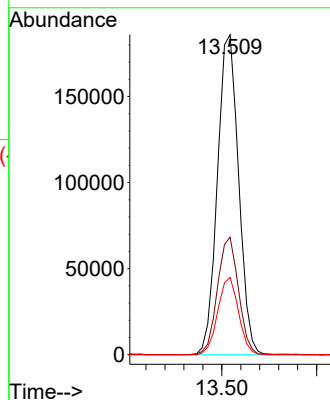
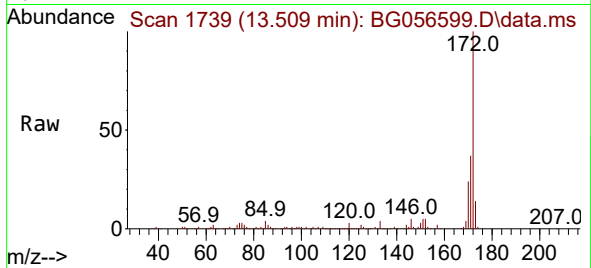




#45
2-Fluorobiphenyl
Concen: 38.736 ng
RT: 13.509 min Scan# 1739
Delta R.T. -0.008 min
Lab File: BG056599.D
Acq: 9 Feb 2023 16:11

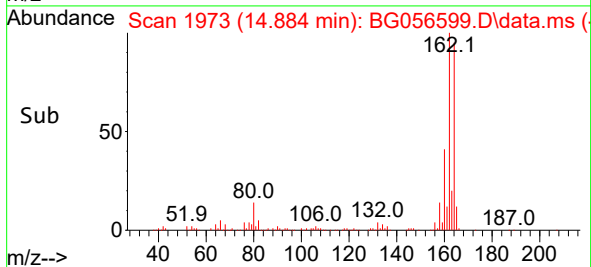
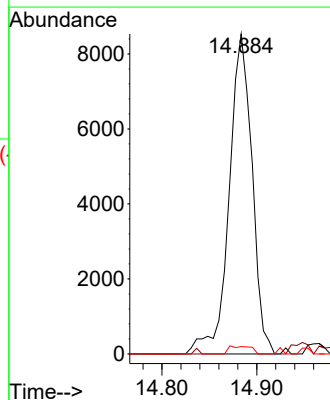
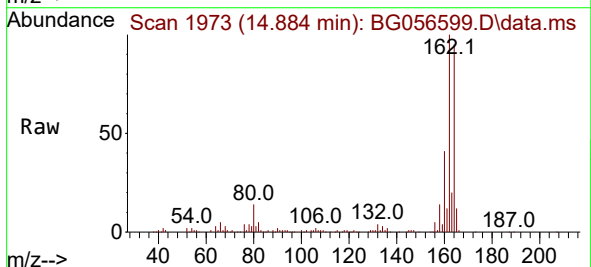
Instrument :
BNA_G
ClientSampleId :
TOPSOIL

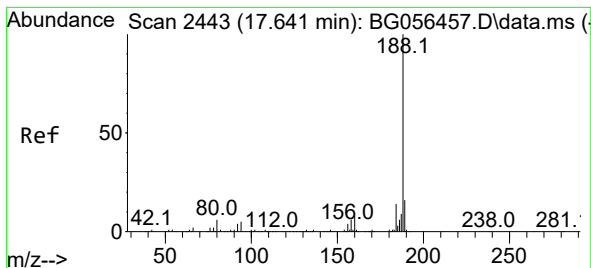
Tgt Ion:172 Resp: 288935
Ion Ratio Lower Upper
172 100
171 36.7 29.5 44.3
170 24.2 19.2 28.8



#51
2,6-Dinitrotoluene
Concen: 7.843 ng
RT: 14.884 min Scan# 1973
Delta R.T. 0.421 min
Lab File: BG056599.D
Acq: 9 Feb 2023 16:11

Tgt Ion:165 Resp: 14310
Ion Ratio Lower Upper
165 100
63 0.0 26.9 40.3#
89 2.3 35.6 53.4#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.621 min Scan# 24

Delta R.T. -0.008 min

Lab File: BG056599.D

Acq: 9 Feb 2023 16:11

Instrument :

BNA_G

ClientSampleId :

TOPSOIL

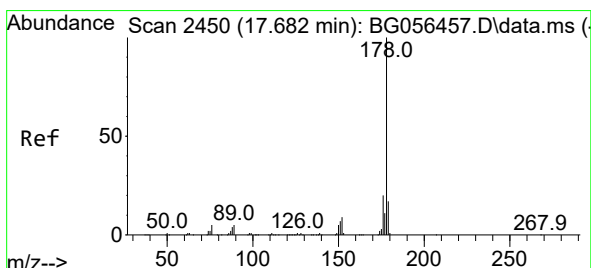
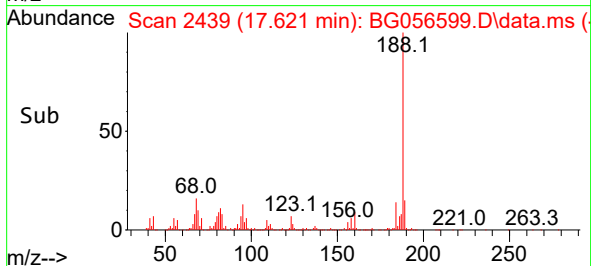
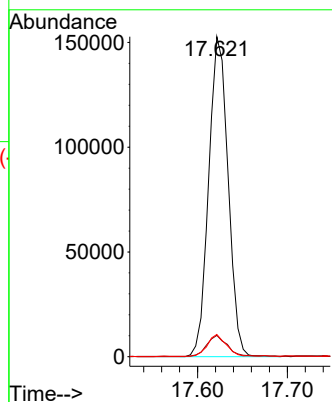
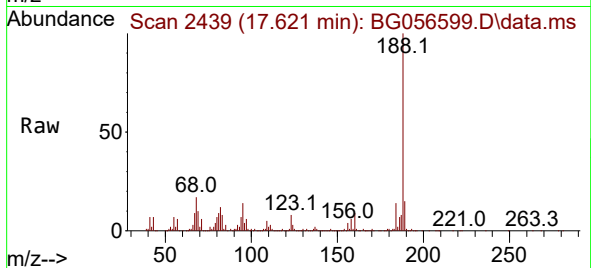
Tgt Ion:188 Resp: 229156

Ion Ratio Lower Upper

188 100

94 6.7 4.1 6.1#

80 7.0 5.0 7.4



#71

Phenanthrene

Concen: 5.825 ng

RT: 17.663 min Scan# 2446

Delta R.T. -0.008 min

Lab File: BG056599.D

Acq: 9 Feb 2023 16:11

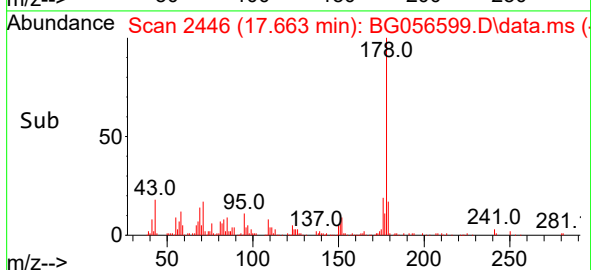
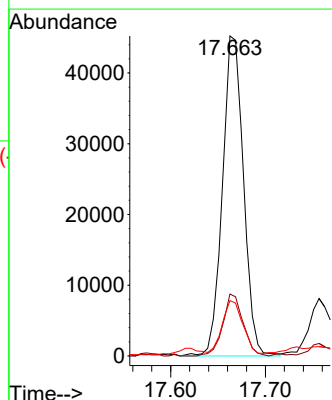
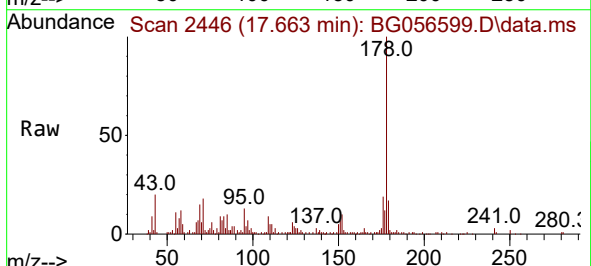
Tgt Ion:178 Resp: 69857

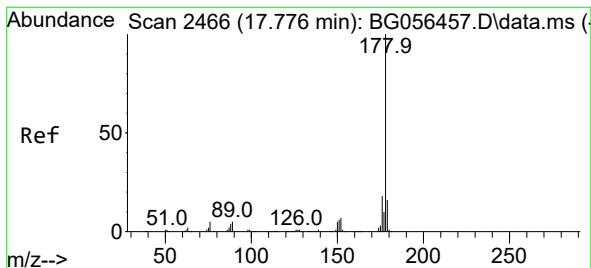
Ion Ratio Lower Upper

178 100

176 19.3 15.6 23.4

179 17.3 13.3 19.9





#72

Anthracene

Concen: 5.674 ng

RT: 17.663 min Scan# 2466

Delta R.T. -0.102 min

Lab File: BG056599.D

Acq: 9 Feb 2023 16:11

Instrument :

BNA_G

ClientSampleId :

TOPSOIL

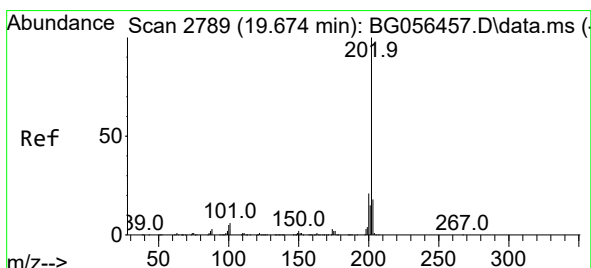
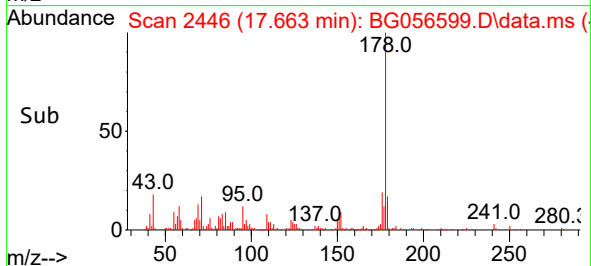
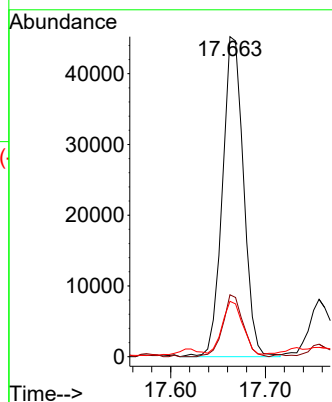
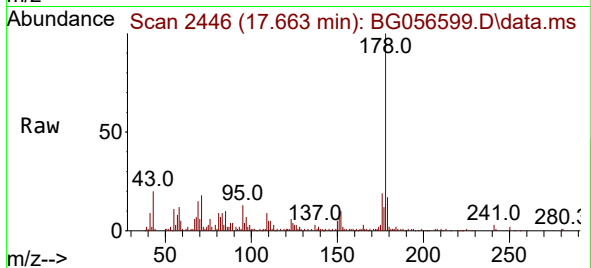
Tgt Ion:178 Resp: 69857

Ion Ratio Lower Upper

178 100

176 19.3 14.5 21.7

179 17.3 12.5 18.7



#75

Fluoranthene

Concen: 10.810 ng

RT: 19.660 min Scan# 2786

Delta R.T. -0.008 min

Lab File: BG056599.D

Acq: 9 Feb 2023 16:11

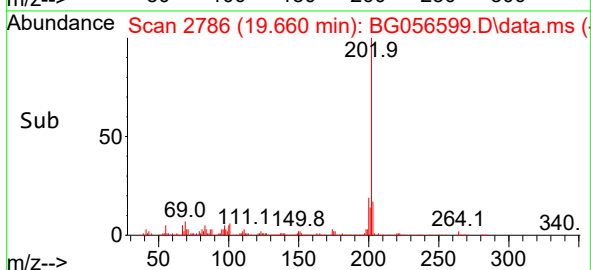
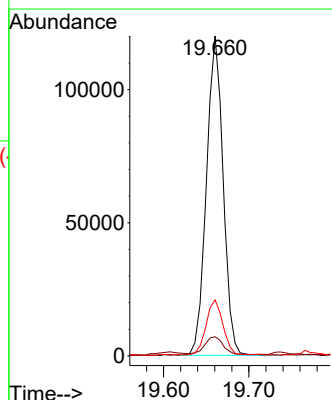
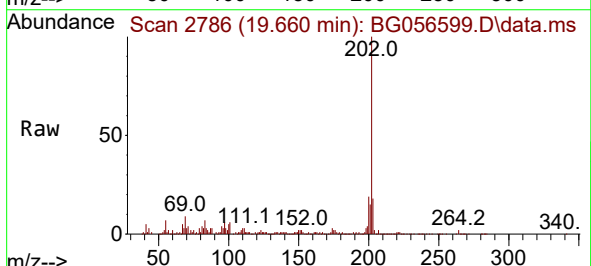
Tgt Ion:202 Resp: 163640

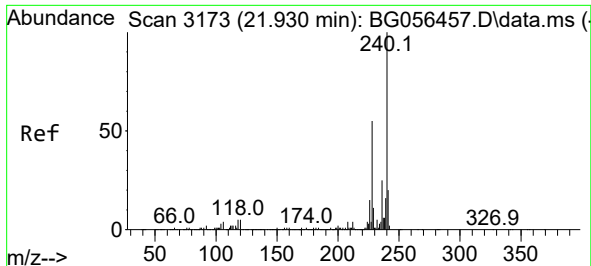
Ion Ratio Lower Upper

202 100

101 6.0 0.0 25.6

203 17.5 0.0 38.1

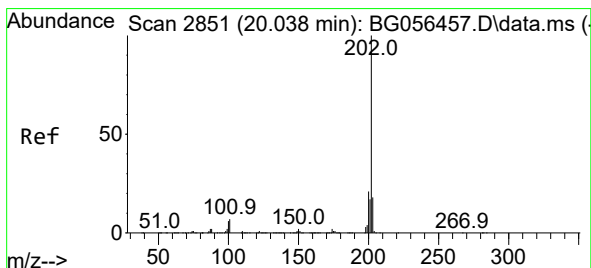
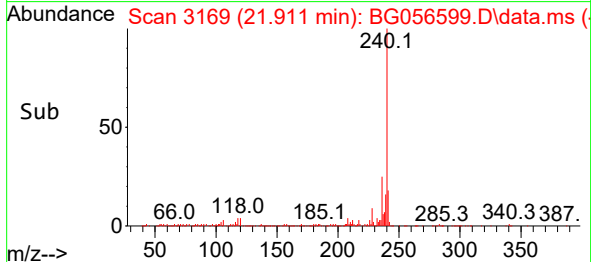
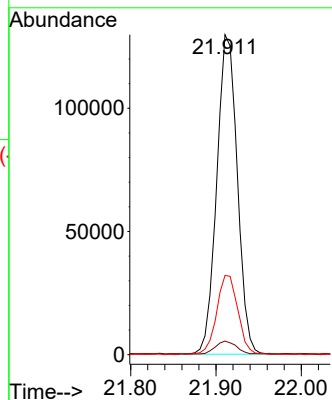
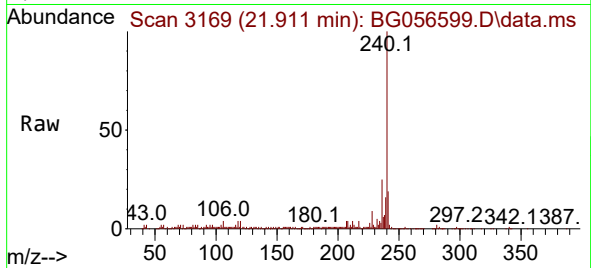




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.911 min Scan# 3173
Delta R.T. -0.013 min
Lab File: BG056599.D
Acq: 9 Feb 2023 16:11

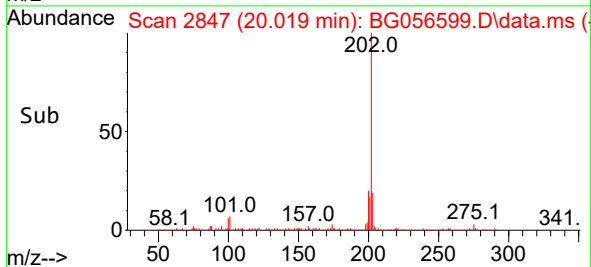
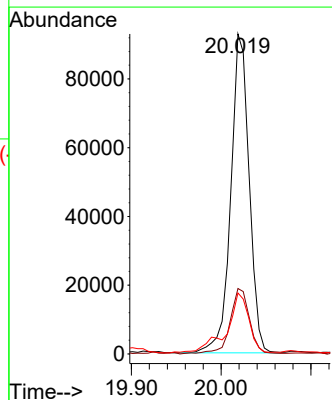
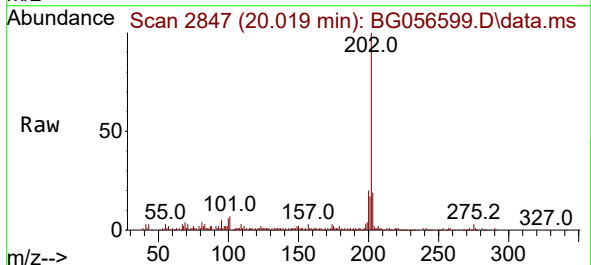
Instrument :
BNA_G
ClientSampleId :
TOPSOIL

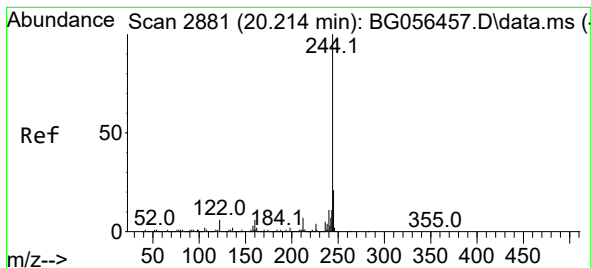
Tgt Ion:240 Resp: 217577
Ion Ratio Lower Upper
240 100
120 4.3 3.8 5.8
236 24.8 20.2 30.2



#78
Pyrene
Concen: 8.502 ng
RT: 20.019 min Scan# 2847
Delta R.T. -0.008 min
Lab File: BG056599.D
Acq: 9 Feb 2023 16:11

Tgt Ion:202 Resp: 131559
Ion Ratio Lower Upper
202 100
200 20.4 16.7 25.1
203 19.1 14.4 21.6





#79

Terphenyl-d14

Concen: 37.229 ng

RT: 20.201 min Scan# 21

Delta R.T. -0.008 min

Lab File: BG056599.D

Acq: 9 Feb 2023 16:11

Instrument :

BNA_G

ClientSampleId :

TOPSOIL

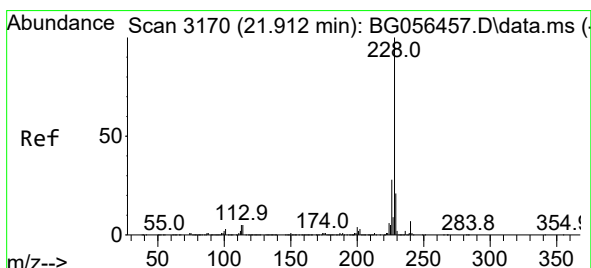
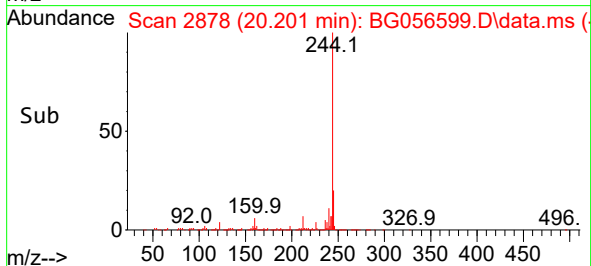
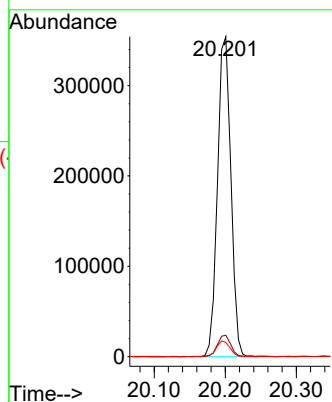
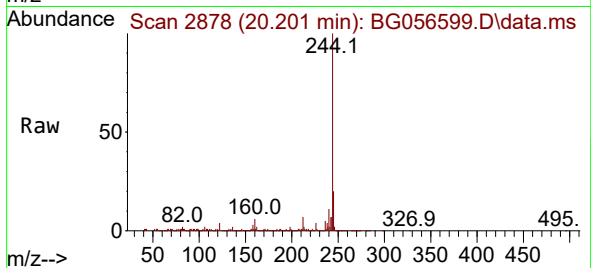
Tgt Ion:244 Resp: 461196

Ion Ratio Lower Upper

244 100

212 6.7 5.5 8.3

122 4.5 4.4 6.6



#81

Benzo(a)anthracene

Concen: 4.691 ng

RT: 21.893 min Scan# 3166

Delta R.T. -0.008 min

Lab File: BG056599.D

Acq: 9 Feb 2023 16:11

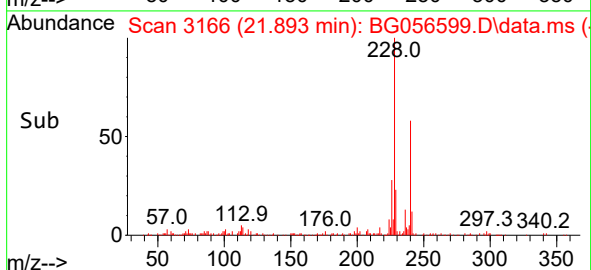
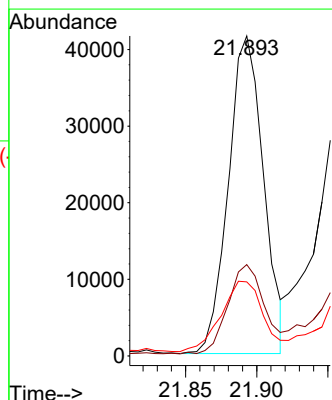
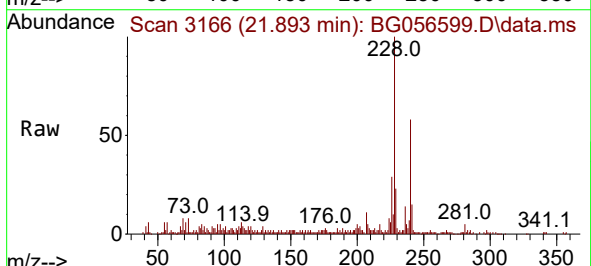
Tgt Ion:228 Resp: 71357

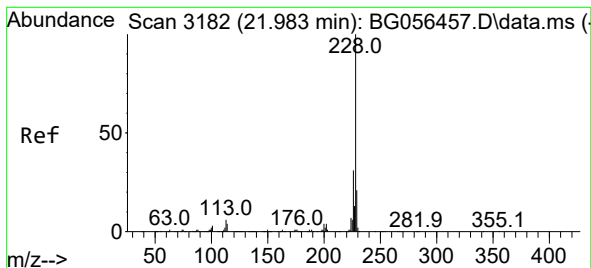
Ion Ratio Lower Upper

228 100

226 28.6 22.4 33.6

229 23.1 16.5 24.7





#83

Chrysene

Concen: 5.680 ng

RT: 21.963 min Scan# 31

Delta R.T. -0.008 min

Lab File: BG056599.D

Acq: 9 Feb 2023 16:11

Instrument :

BNA_G

ClientSampleId :

TOPSOIL

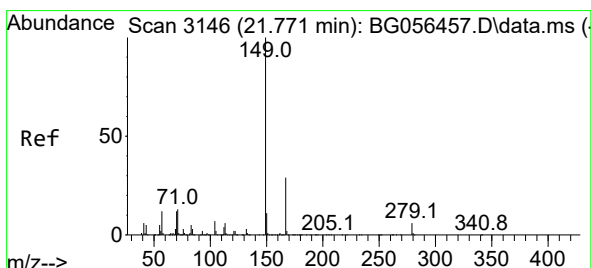
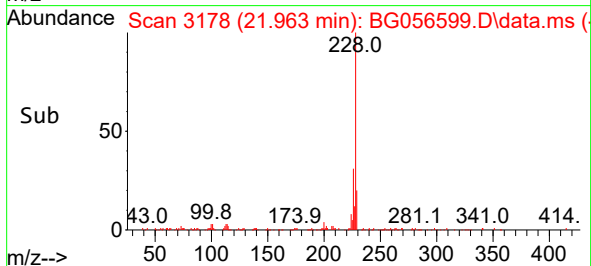
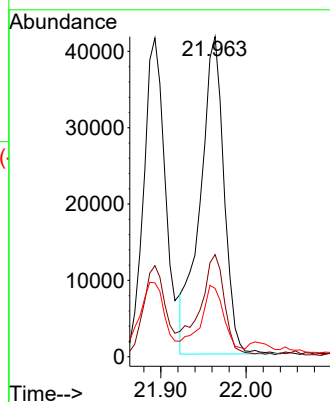
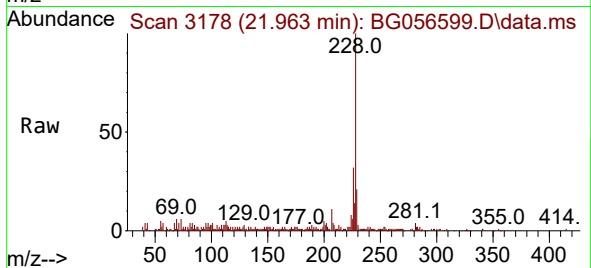
Tgt Ion:228 Resp: 81167

Ion Ratio Lower Upper

228 100

226 31.9 25.0 37.4

229 21.4 16.4 24.6



#84

Bis(2-ethylhexyl)phthalate

Concen: 2.402 ng

RT: 21.746 min Scan# 3141

Delta R.T. -0.008 min

Lab File: BG056599.D

Acq: 9 Feb 2023 16:11

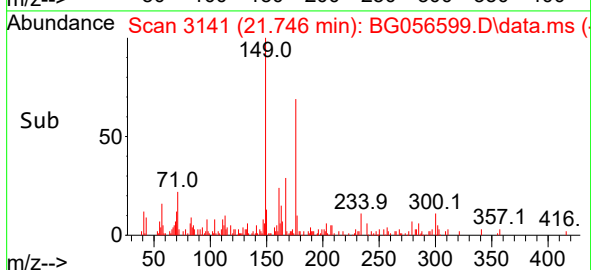
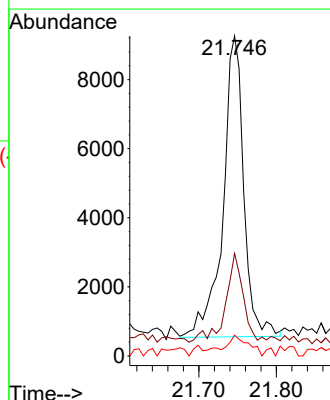
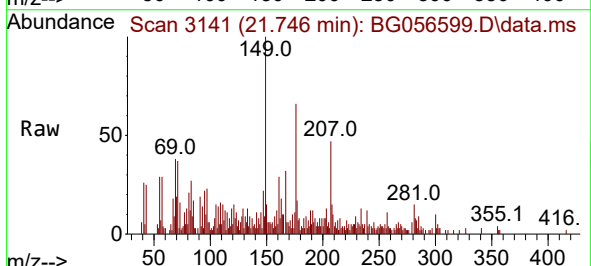
Tgt Ion:149 Resp: 16273

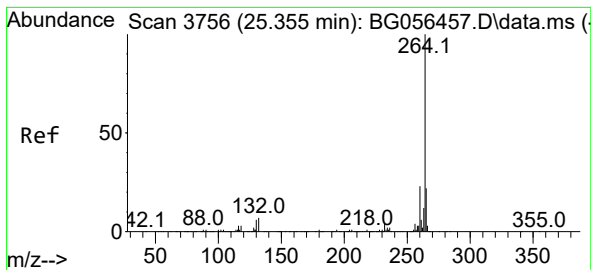
Ion Ratio Lower Upper

149 100

167 32.0 23.4 35.2

279 6.5 4.4 6.6





#86

Perylene-d12

Concen: 20.000 ng

RT: 25.336 min Scan# 31

Delta R.T. -0.002 min

Lab File: BG056599.D

Acq: 9 Feb 2023 16:11

Instrument :

BNA_G

ClientSampleId :

TOPSOIL

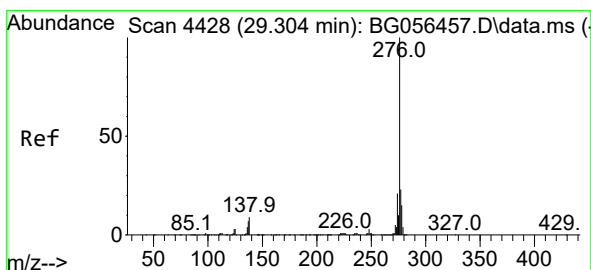
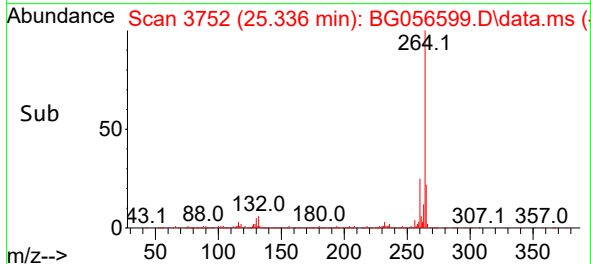
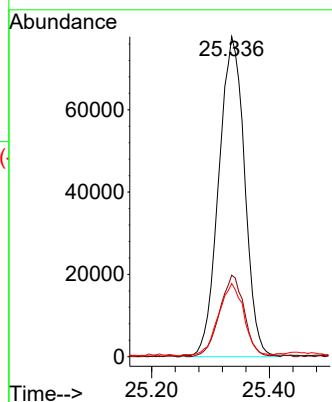
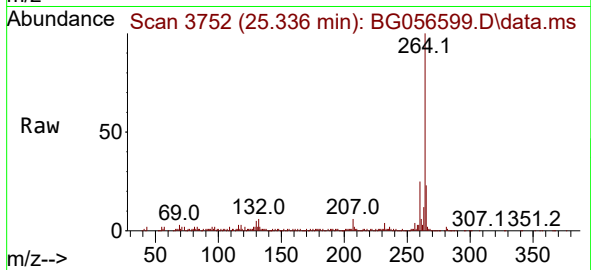
Tgt Ion:264 Resp: 237257

Ion Ratio Lower Upper

264 100

260 25.4 18.2 27.4

265 22.8 18.1 27.1



#87

Indeno(1,2,3-cd)pyrene

Concen: 3.127 ng

RT: 29.278 min Scan# 4423

Delta R.T. -0.008 min

Lab File: BG056599.D

Acq: 9 Feb 2023 16:11

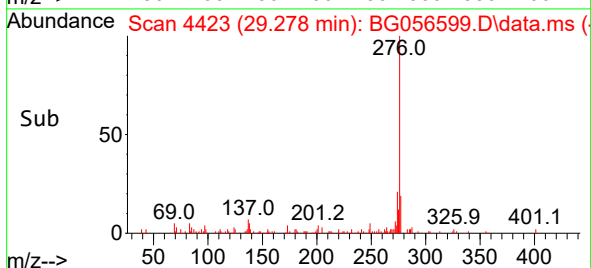
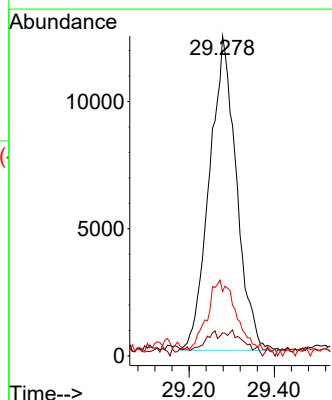
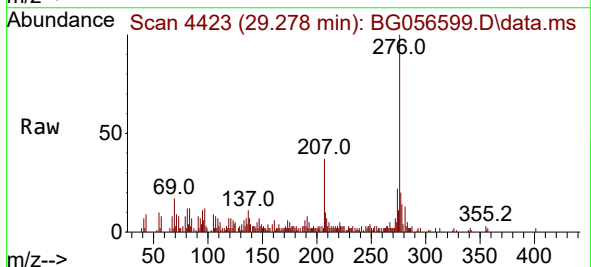
Tgt Ion:276 Resp: 54306

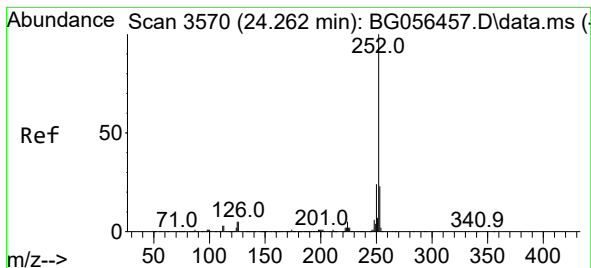
Ion Ratio Lower Upper

276 100

138 2.2 9.4 14.2#

277 23.2 20.3 30.5





#88

Benzo(b)fluoranthene

Concen: 7.551 ng

RT: 24.237 min Scan# 3565

Delta R.T. -0.013 min

Lab File: BG056599.D

Acq: 9 Feb 2023 16:11

Instrument :

BNA_G

ClientSampleId :

TOPSOIL

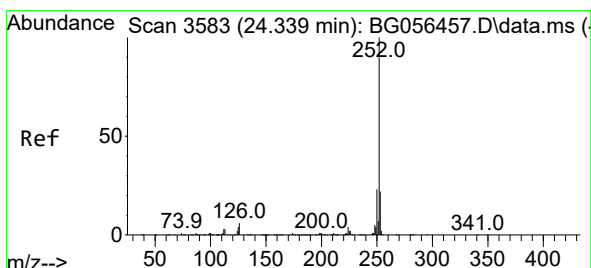
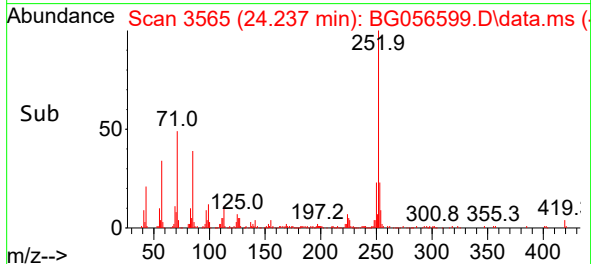
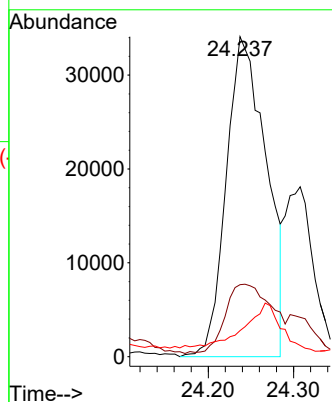
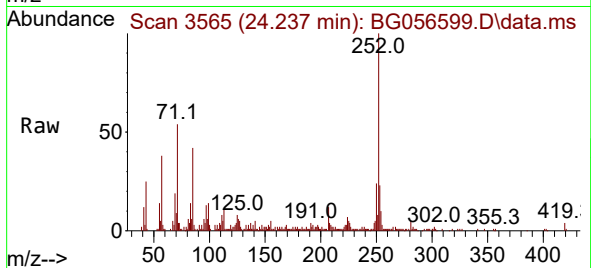
Tgt Ion:252 Resp: 111199

Ion Ratio Lower Upper

252 100

253 22.5 18.1 27.1

125 8.1 3.9 5.9#



#89

Benzo(k)fluoranthene

Concen: 7.479 ng

RT: 24.237 min Scan# 3565

Delta R.T. -0.084 min

Lab File: BG056599.D

Acq: 9 Feb 2023 16:11

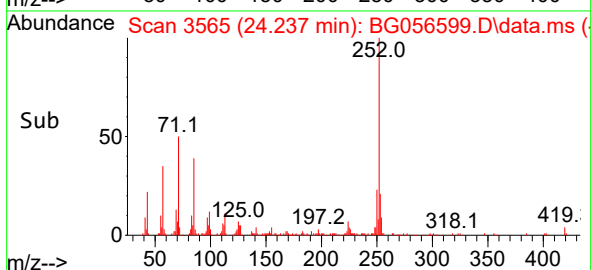
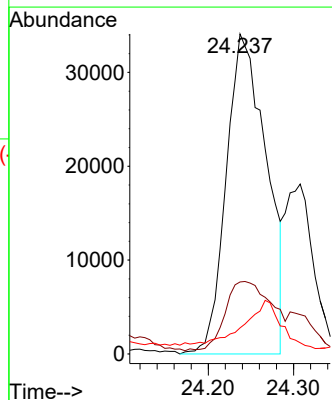
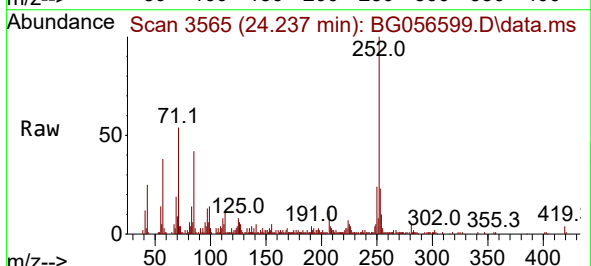
Tgt Ion:252 Resp: 111199

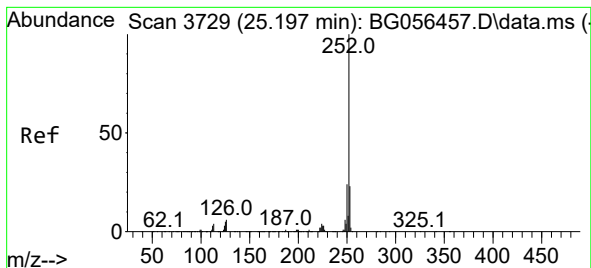
Ion Ratio Lower Upper

252 100

253 22.5 17.5 26.3

125 8.1 3.4 5.0#





#90

Benzo(a)pyrene

Concen: 4.741 ng

RT: 25.166 min Scan# 31

Delta R.T. -0.013 min

Lab File: BG056599.D

Acq: 9 Feb 2023 16:11

Instrument :

BNA_G

ClientSampleId :

TOPSOIL

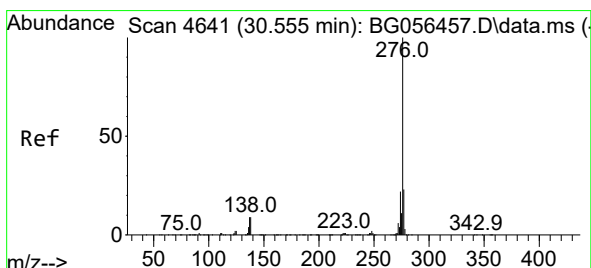
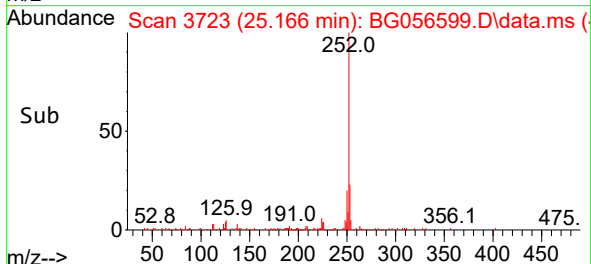
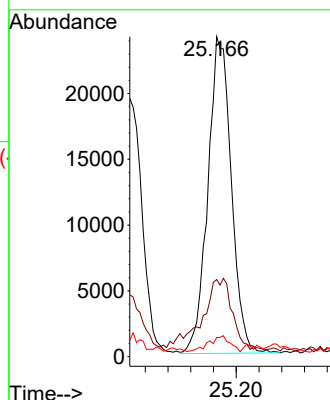
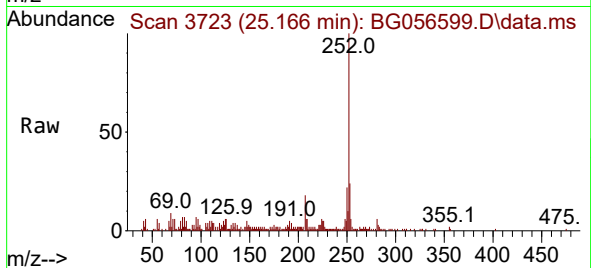
Tgt Ion:252 Resp: 68776

Ion Ratio Lower Upper

252 100

253 24.1 18.4 27.6

125 6.0 4.1 6.1



#92

Benzo(g,h,i)perylene

Concen: 3.773 ng

RT: 30.524 min Scan# 4635

Delta R.T. -0.002 min

Lab File: BG056599.D

Acq: 9 Feb 2023 16:11

Tgt Ion:276 Resp: 53078

Ion Ratio Lower Upper

276 100

277 25.0 18.5 27.7

138 9.2 7.4 11.0

