

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG110522\
 Data File : BG055480.D
 Acq On : 5 Nov 2022 21:46
 Operator : CG/JU
 Sample : N5430-03
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SOIL-COMP-1102

Quant Time: Nov 07 01:00:04 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG110122.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Nov 07 00:51:08 2022
 Response via : Initial Calibration

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

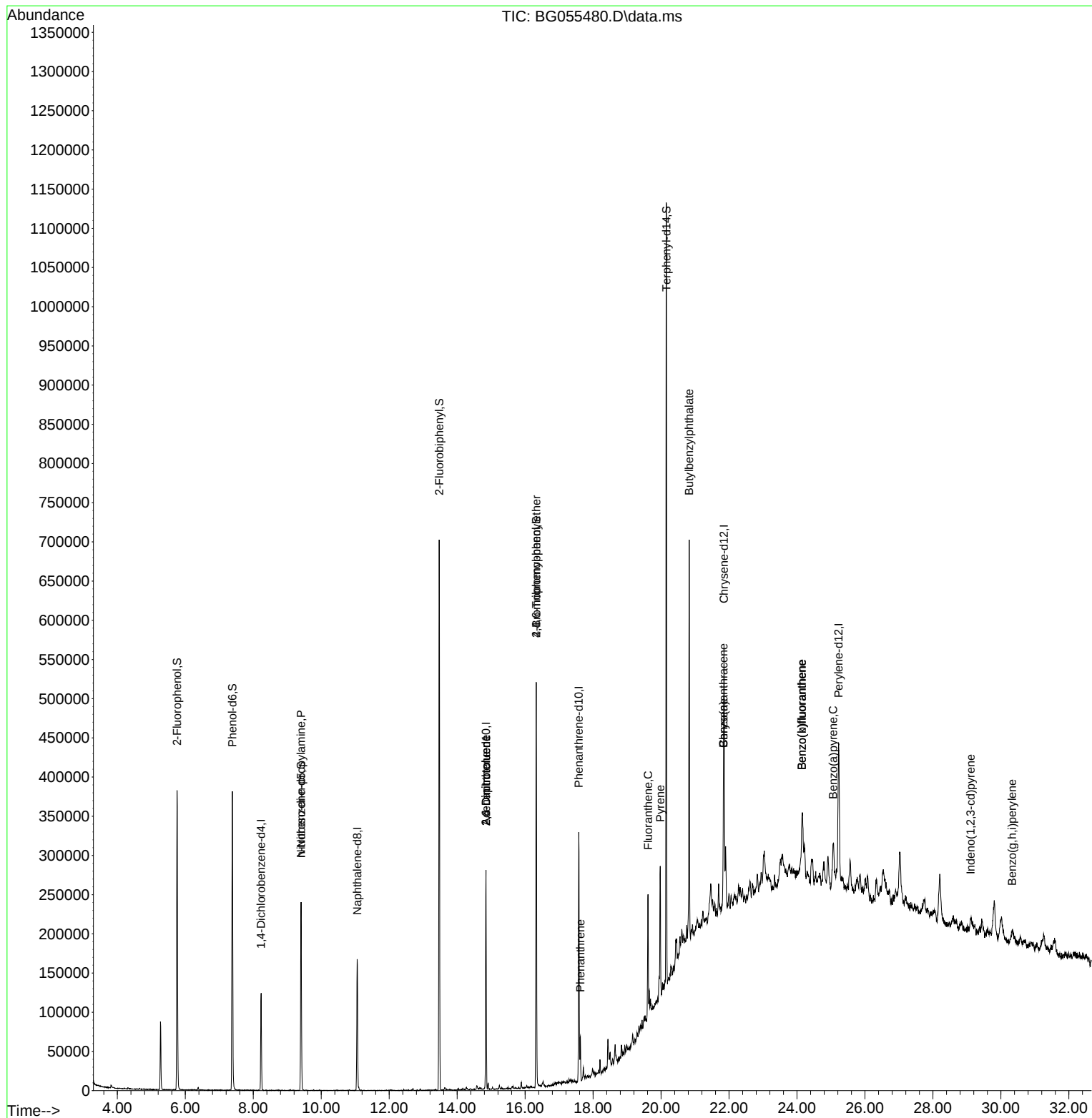
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.230	152	36486	20.000	ng	0.00
21) Naphthalene-d8	11.056	136	152595	20.000	ng	0.00
39) Acenaphthene-d10	14.845	164	98701	20.000	ng	0.00
64) Phenanthrene-d10	17.577	188	204219	20.000	ng	0.00
76) Chrysene-d12	21.849	240	196690	20.000	ng	0.00
86) Perylene-d12	25.221	264	213698	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.756	112	190564	93.796	ng	0.00
7) Phenol-d6	7.384	99	249251	88.467	ng	0.00
23) Nitrobenzene-d5	9.405	82	149121	52.082	ng	0.00
42) 2,4,6-Tribromophenol	16.326	330	116694	86.677	ng	0.00
45) 2-Fluorobiphenyl	13.470	172	371203	55.761	ng	0.00
79) Terphenyl-d14	20.157	244	538421	53.230	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	9.405	70	19690	8.944	ng	# 78
51) 2,6-Dinitrotoluene	14.845	165	12973	7.522	ng	# 29
57) 2,4-Dinitrotoluene	14.845	165	12973	5.260	ng	# 26
67) 4-Bromophenyl-phenylether	16.326	248	7248	3.002	ng	# 1
71) Phenanthrene	17.624	178	34271	2.983	ng	99
75) Fluoranthene	19.616	202	106412	7.701	ng	98
78) Pyrene	19.975	202	112837	8.132	ng	98
80) Butylbenzylphthalate	20.827	149	166538	28.788	ng	100
81) Benzo(a)anthracene	21.831	228	61107	4.526	ng	98
83) Chrysene	21.831	228	61107	4.744	ng	95
87) Indeno(1,2,3-cd)pyrene	29.111	276	36844	2.147	ng	# 89
88) Benzo(b)fluoranthene	24.146	252	86586	6.379	ng	# 77
89) Benzo(k)fluoranthene	24.146	252	86586	6.347	ng	# 78
90) Benzo(a)pyrene	25.063	252	61047	5.201	ng	# 90
92) Benzo(g,h,i)perylene	30.327	276	33157	2.355	ng	# 87

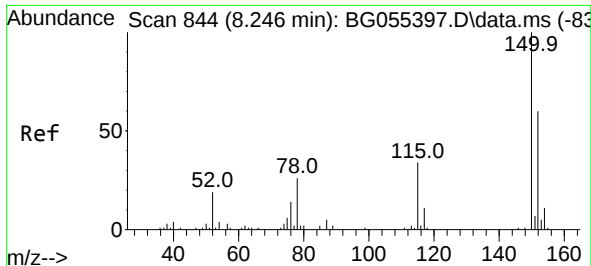
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG110522\
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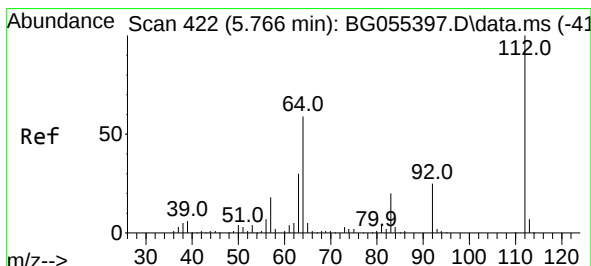
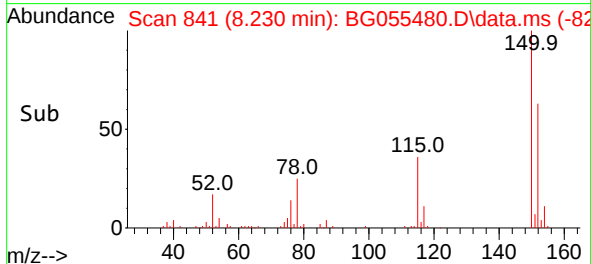
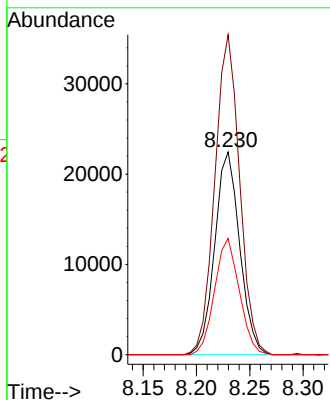
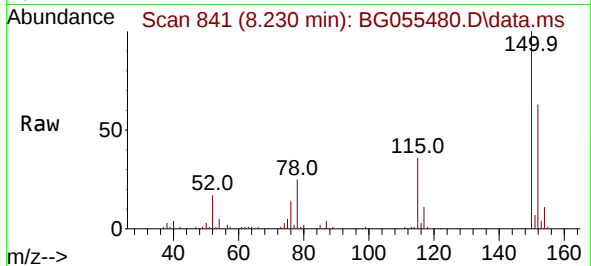




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.230 min Scan# 844
Delta R.T. -0.000 min
Lab File: BG055480.D
Acq: 5 Nov 2022 21:46

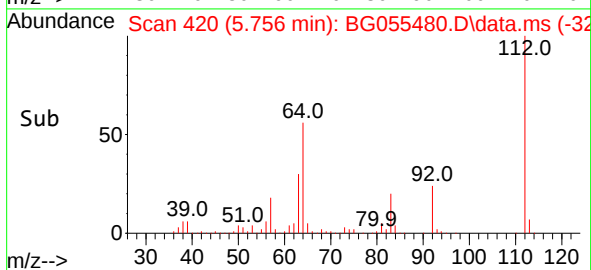
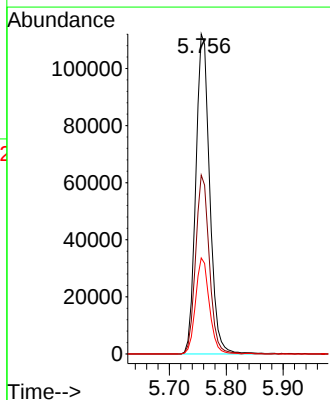
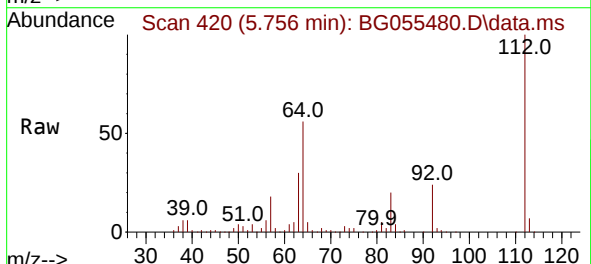
Instrument :
BNA_G
ClientSampleId :
SOIL-COMP-1102

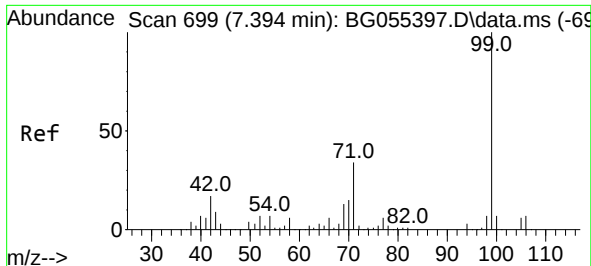
Tgt Ion:152 Resp: 36486
Ion Ratio Lower Upper
152 100
150 157.9 132.8 199.2
115 57.4 45.1 67.7



#5
2-Fluorophenol
Concen: 93.796 ng
RT: 5.756 min Scan# 420
Delta R.T. 0.006 min
Lab File: BG055480.D
Acq: 5 Nov 2022 21:46

Tgt Ion:112 Resp: 190564
Ion Ratio Lower Upper
112 100
64 55.9 47.2 70.8
63 30.0 24.3 36.5

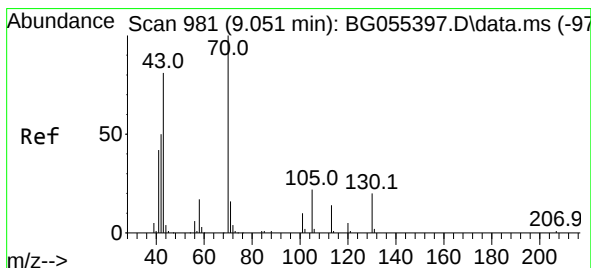
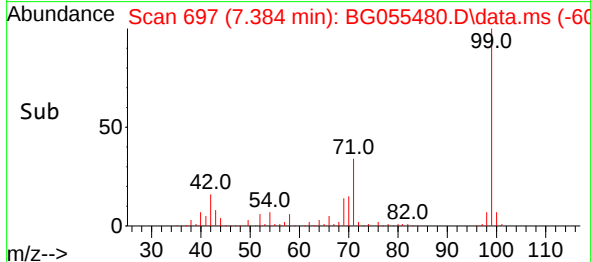
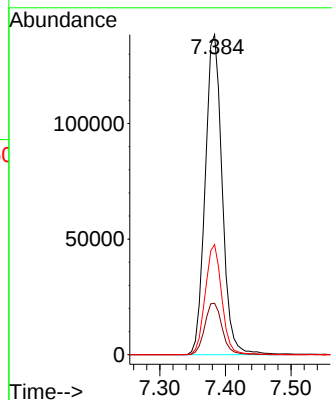
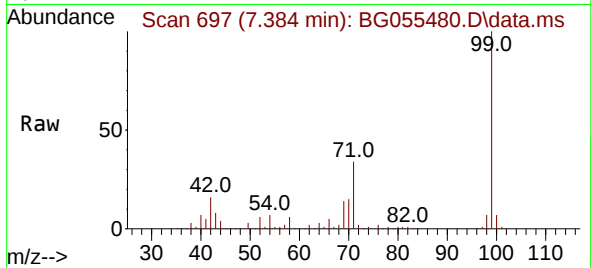




#7
Phenol-d6
Concen: 88.467 ng
RT: 7.384 min Scan# 699
Delta R.T. 0.006 min
Lab File: BG055480.D
Acq: 5 Nov 2022 21:46

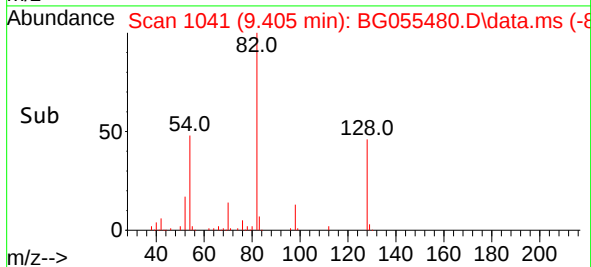
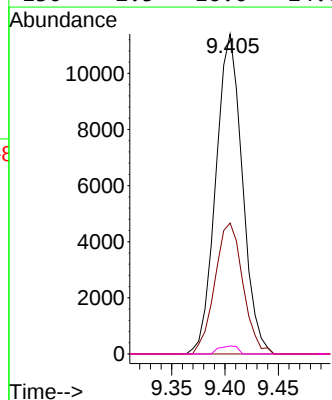
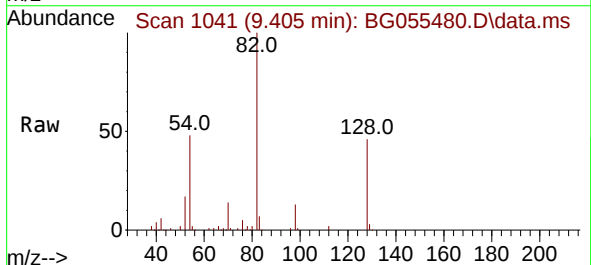
Instrument :
BNA_G
ClientSampleId :
SOIL-COMP-1102

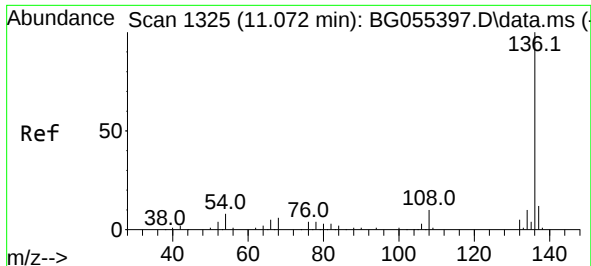
Tgt Ion: 99 Resp: 249251
Ion Ratio Lower Upper
99 100
42 16.0 13.5 20.3
71 34.4 27.4 41.0



#19
n-Nitroso-di-n-propylamine
Concen: 8.944 ng
RT: 9.405 min Scan# 1041
Delta R.T. 0.370 min
Lab File: BG055480.D
Acq: 5 Nov 2022 21:46

Tgt Ion: 70 Resp: 19690
Ion Ratio Lower Upper
70 100
42 40.9 40.6 61.0
101 0.0 7.8 11.6#
130 2.5 16.0 24.0#

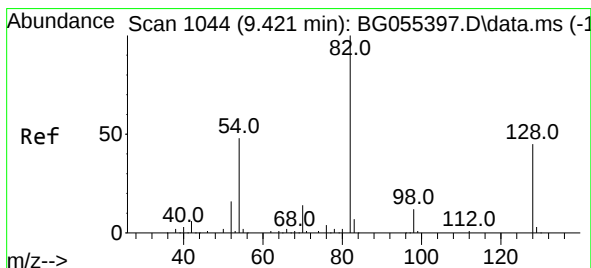
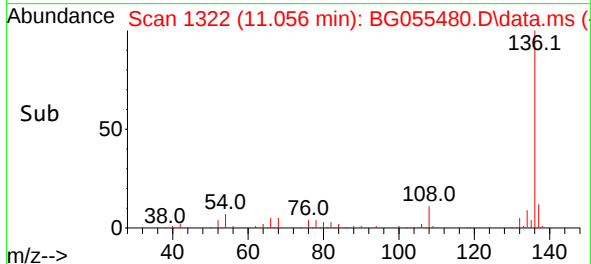
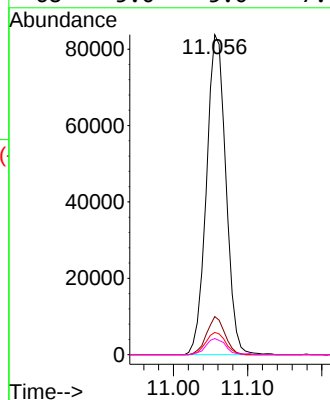
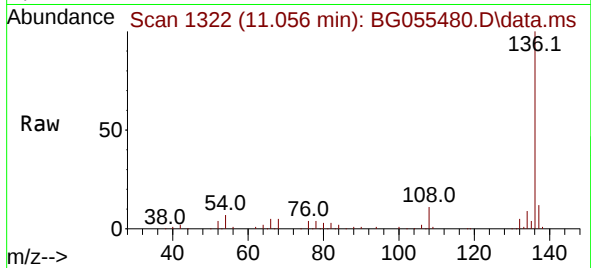




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.056 min Scan# 11
Delta R.T. -0.000 min
Lab File: BG055480.D
Acq: 5 Nov 2022 21:46

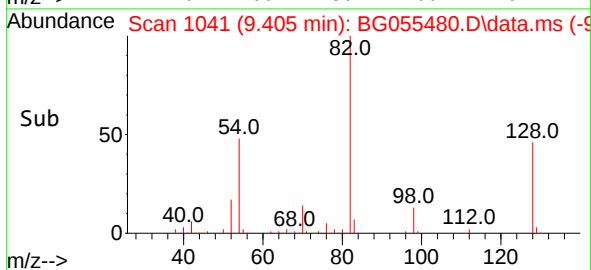
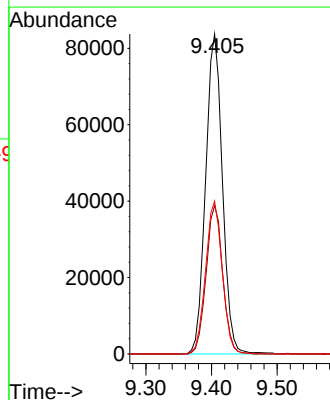
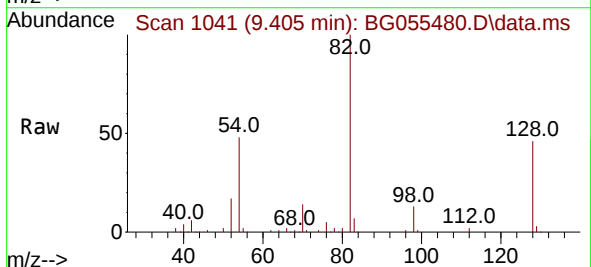
Instrument :
BNA_G
ClientSampleId :
SOIL-COMP-1102

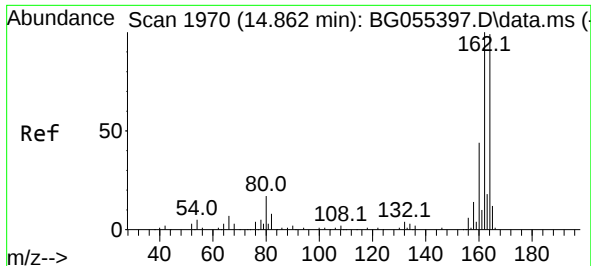
Tgt Ion:	136	Resp:	152595
Ion Ratio	Lower	Upper	
136	100		
137	11.9	9.4	14.2
54	7.0	6.1	9.1
68	5.0	5.0	7.4



#23
Nitrobenzene-d5
Concen: 52.082 ng
RT: 9.405 min Scan# 1041
Delta R.T. -0.000 min
Lab File: BG055480.D
Acq: 5 Nov 2022 21:46

Tgt Ion:	82	Resp:	149121
Ion Ratio	Lower	Upper	
82	100		
128	46.4	35.8	53.8
54	47.8	38.1	57.1

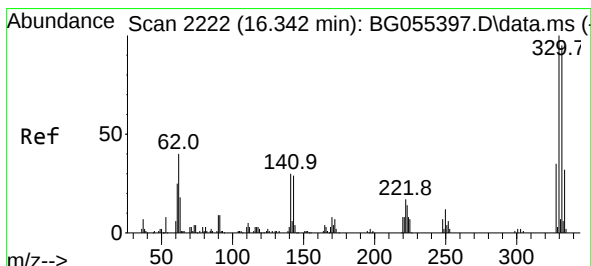
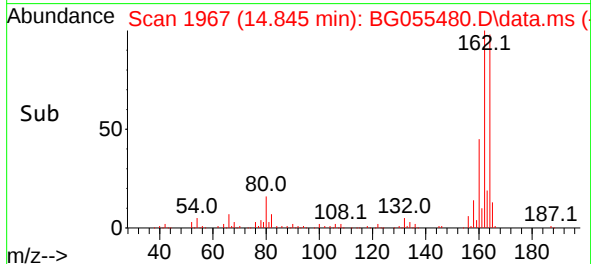
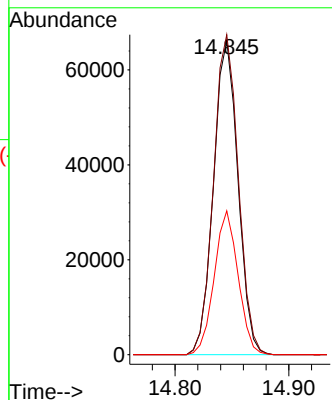
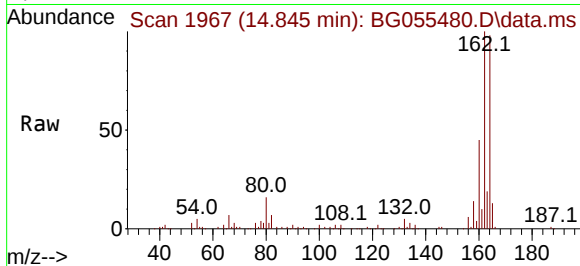




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.845 min Scan# 1967
Delta R.T. -0.000 min
Lab File: BG055480.D
Acq: 5 Nov 2022 21:46

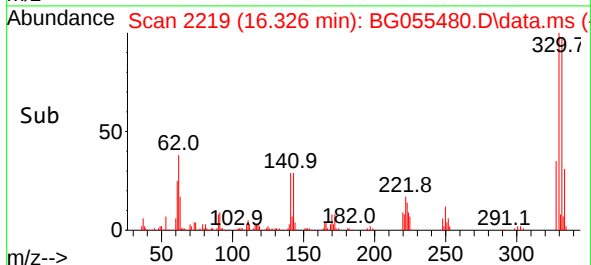
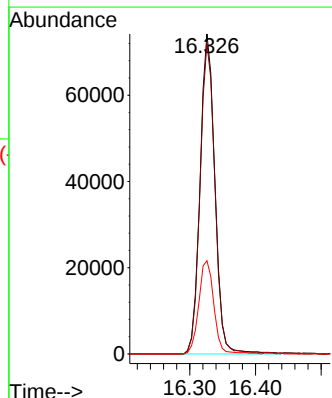
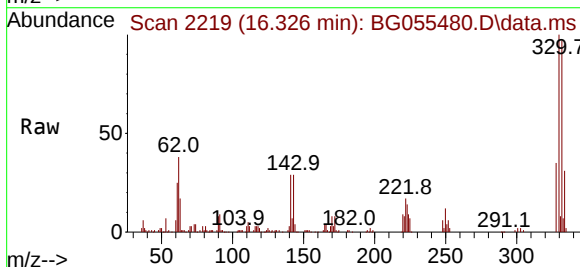
Instrument :
BNA_G
ClientSampleId :
SOIL-COMP-1102

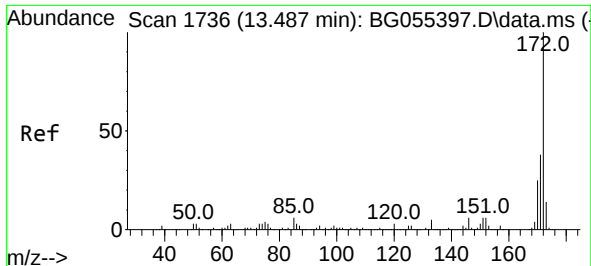
Tgt Ion:164 Resp: 98701
Ion Ratio Lower Upper
164 100
162 101.9 81.1 121.7
160 45.8 35.8 53.6



#42
2,4,6-Tribromophenol
Concen: 86.677 ng
RT: 16.326 min Scan# 2219
Delta R.T. -0.006 min
Lab File: BG055480.D
Acq: 5 Nov 2022 21:46

Tgt Ion:330 Resp: 116694
Ion Ratio Lower Upper
330 100
332 97.9 77.8 116.6
141 29.7 24.2 36.2

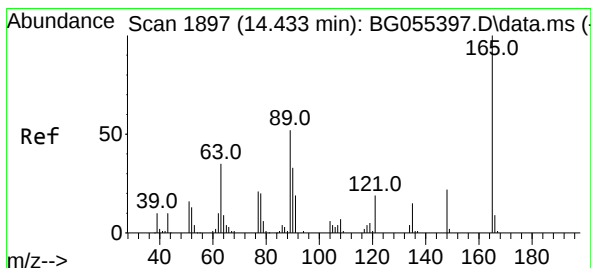
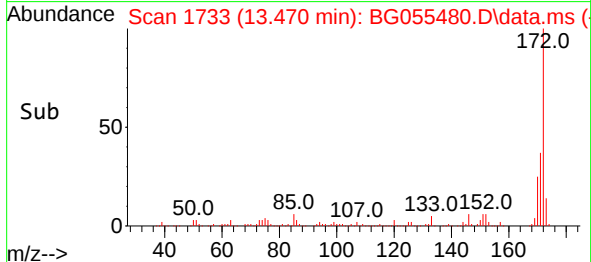
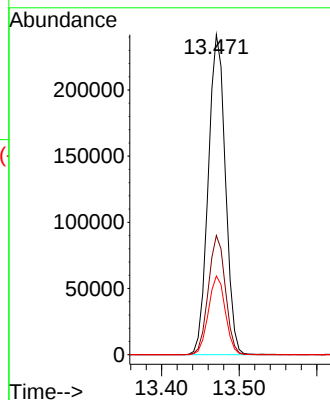
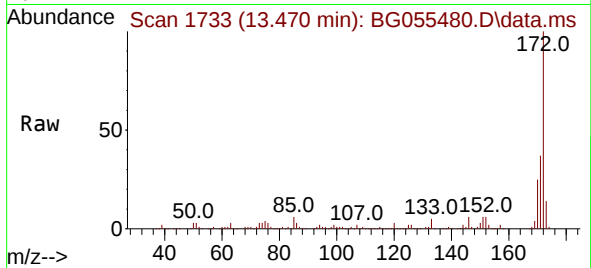




#45
2-Fluorobiphenyl
Concen: 55.761 ng
RT: 13.470 min Scan# 1
Delta R.T. -0.000 min
Lab File: BG055480.D
Acq: 5 Nov 2022 21:46

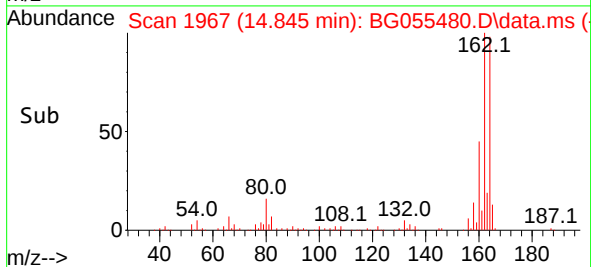
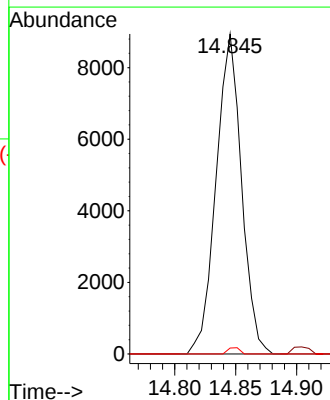
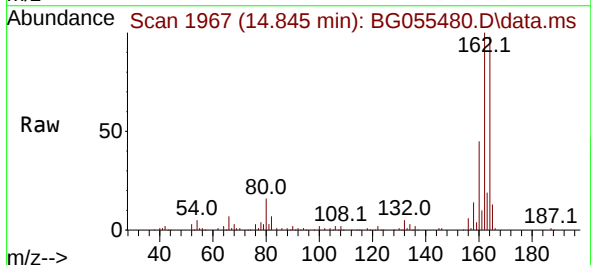
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ClientSampleId :
SOIL-COMP-1102

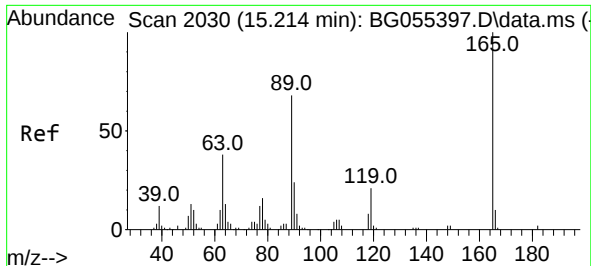
Tgt Ion:172 Resp: 371203
Ion Ratio Lower Upper
172 100
171 37.3 30.2 45.2
170 24.6 20.2 30.2



#51
2,6-Dinitrotoluene
Concen: 7.522 ng
RT: 14.845 min Scan# 1967
Delta R.T. 0.423 min
Lab File: BG055480.D
Acq: 5 Nov 2022 21:46

Tgt Ion:165 Resp: 12973
Ion Ratio Lower Upper
165 100
63 0.0 38.2 57.4#
89 1.9 41.8 62.6#





#57

2,4-Dinitrotoluene

Concen: 5.260 ng

RT: 14.845 min Scan# 1967

Delta R.T. -0.359 min

Lab File: BG055480.D

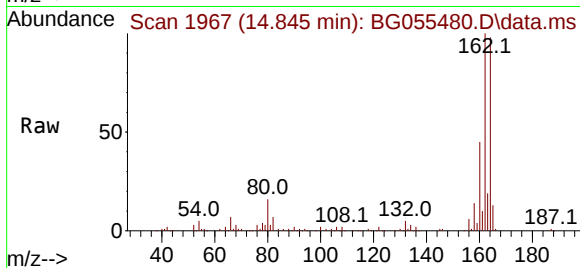
Acq: 5 Nov 2022 21:46

Instrument :

BNA_G

ClientSampleId :

SOIL-COMP-1102



Tgt Ion:165 Resp: 12973

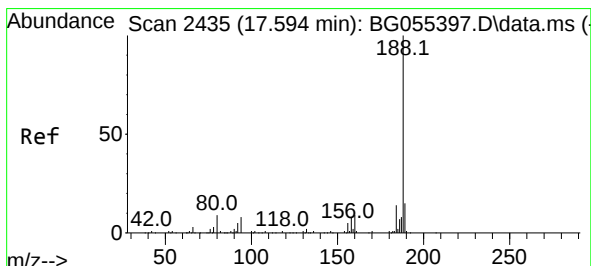
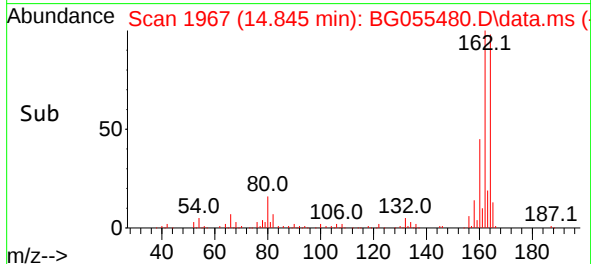
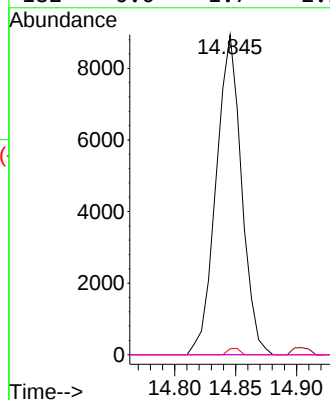
Ion Ratio Lower Upper

165 100

63 0.0 30.8 46.2#

89 1.9 54.5 81.7#

182 0.0 1.7 2.5#



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.577 min Scan# 2432

Delta R.T. -0.006 min

Lab File: BG055480.D

Acq: 5 Nov 2022 21:46

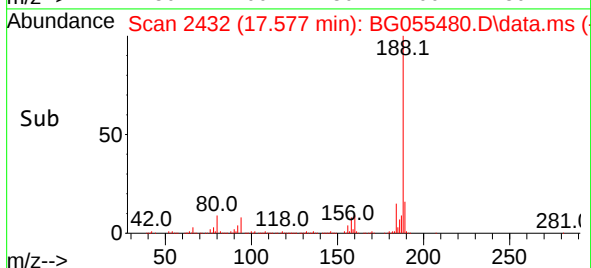
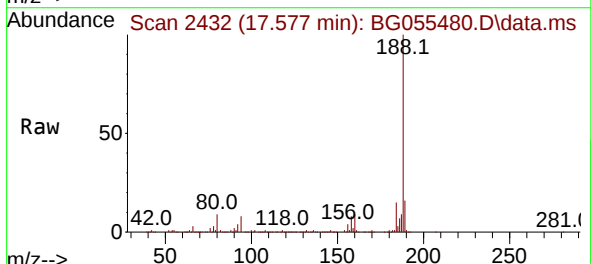
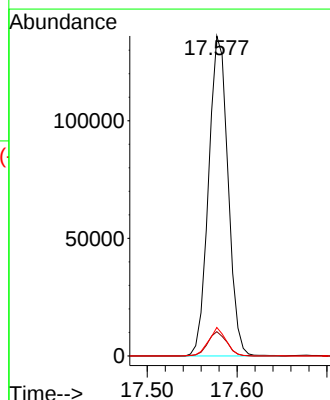
Tgt Ion:188 Resp: 204219

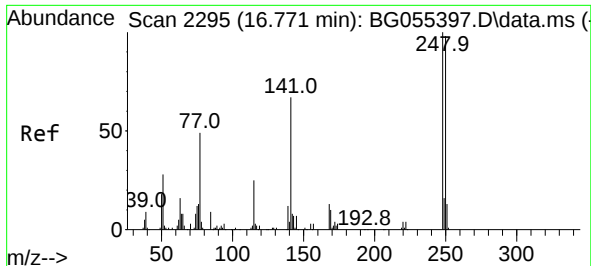
Ion Ratio Lower Upper

188 100

94 7.6 6.5 9.7

80 8.9 7.4 11.0

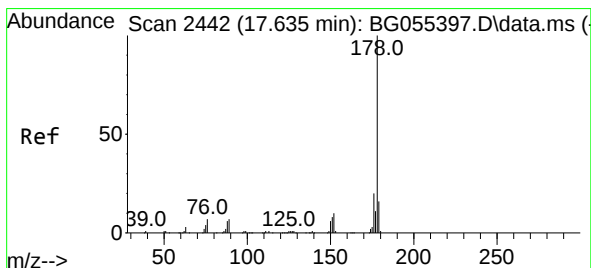
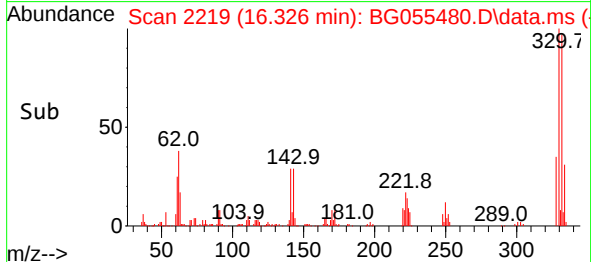
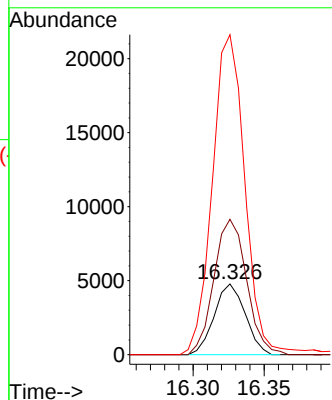
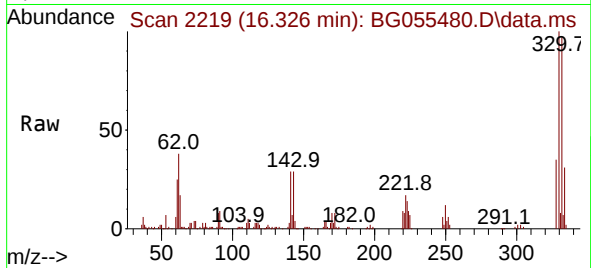




#67
4-Bromophenyl-phenylether
Concen: 3.002 ng
RT: 16.326 min Scan# 211
Delta R.T. -0.435 min
Lab File: BG055480.D
Acq: 5 Nov 2022 21:46

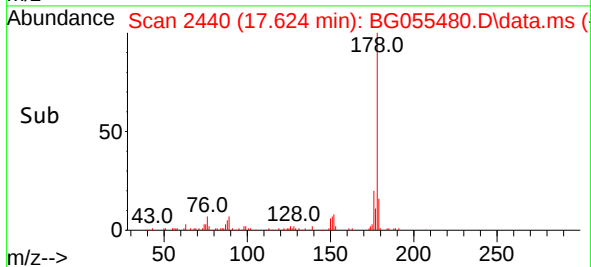
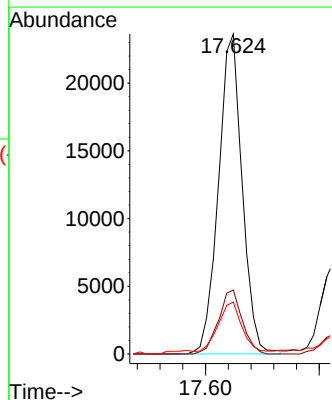
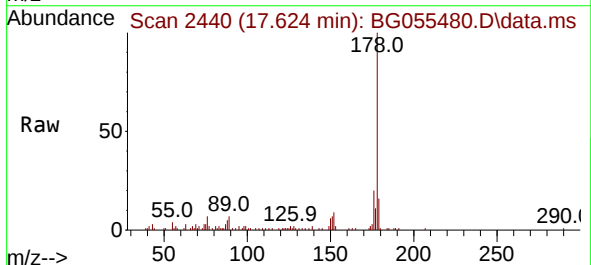
Instrument :
BNA_G
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SOIL-COMP-1102

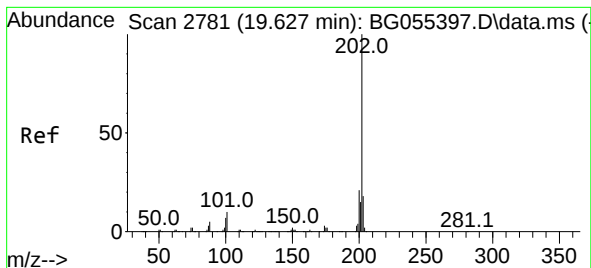
Tgt Ion:248 Resp: 7248
Ion Ratio Lower Upper
248 100
250 146.7 78.3 117.5#
141 346.7 53.7 80.5#



#71
Phenanthrene
Concen: 2.983 ng
RT: 17.624 min Scan# 2440
Delta R.T. -0.000 min
Lab File: BG055480.D
Acq: 5 Nov 2022 21:46

Tgt Ion:178 Resp: 34271
Ion Ratio Lower Upper
178 100
176 20.0 15.8 23.8
179 16.2 12.7 19.1





#75

Fluoranthene

Concen: 7.701 ng

RT: 19.616 min Scan# 21

Delta R.T. -0.000 min

Lab File: BG055480.D

Acq: 5 Nov 2022 21:46

Instrument :

BNA_G

ClientSampleId :

SOIL-COMP-1102

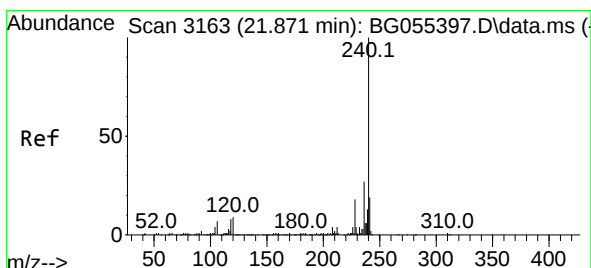
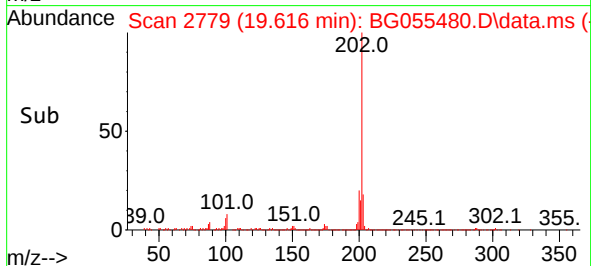
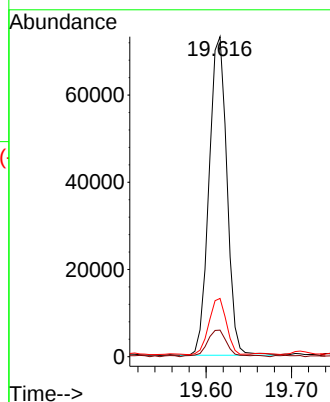
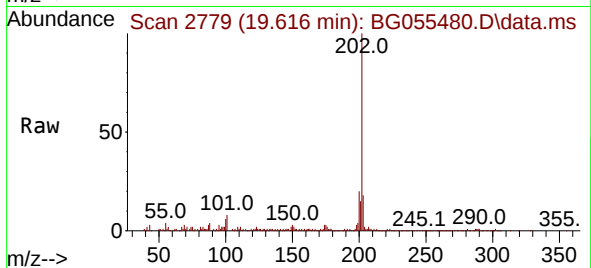
Tgt Ion:202 Resp: 106412

Ion Ratio Lower Upper

202 100

101 8.3 0.0 29.8

203 18.2 0.0 38.1



#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.849 min Scan# 3159

Delta R.T. -0.006 min

Lab File: BG055480.D

Acq: 5 Nov 2022 21:46

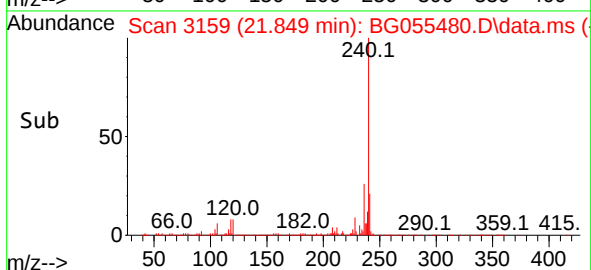
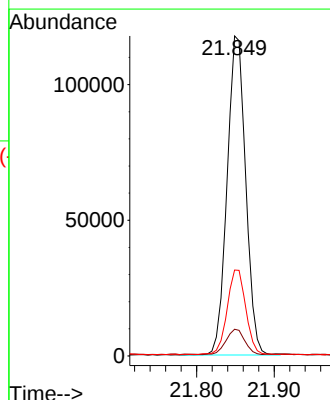
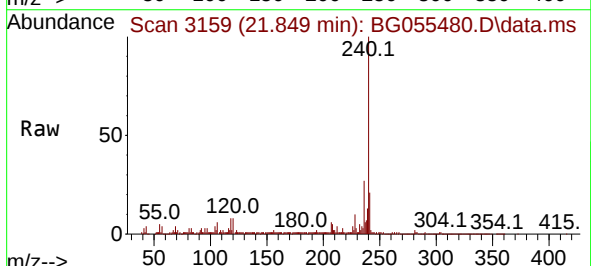
Tgt Ion:240 Resp: 196690

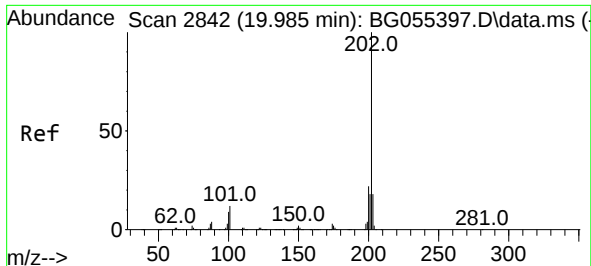
Ion Ratio Lower Upper

240 100

120 8.4 6.9 10.3

236 26.9 21.5 32.3

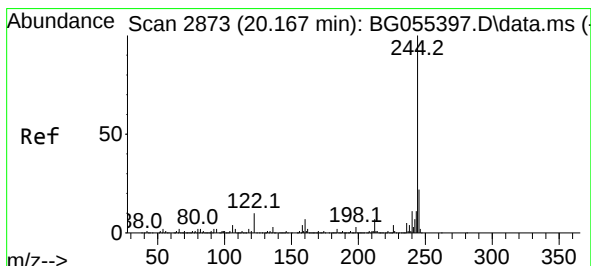
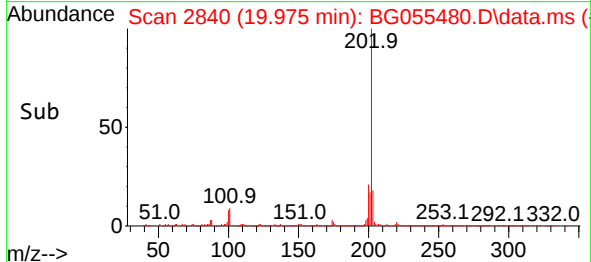
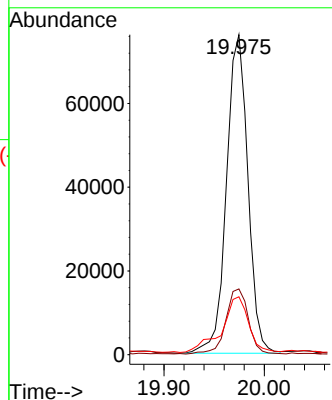
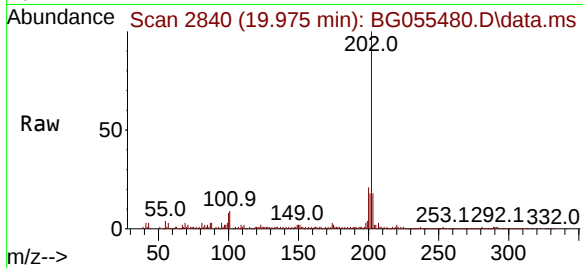




#78
Pyrene
Concen: 8.132 ng
RT: 19.975 min Scan# 2840
Delta R.T. -0.000 min
Lab File: BG055480.D
Acq: 5 Nov 2022 21:46

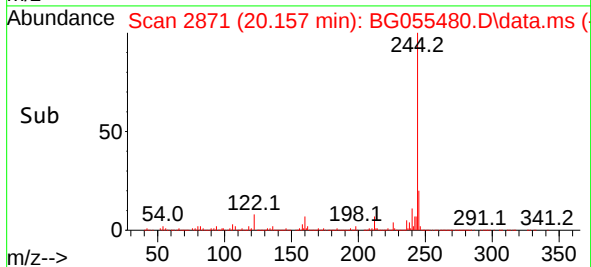
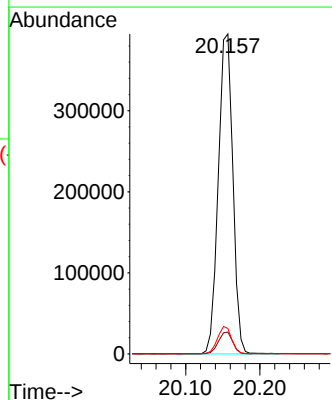
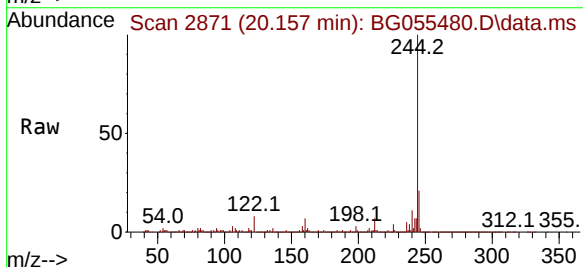
Instrument :
BNA_G
ClientSampleId :
SOIL-COMP-1102

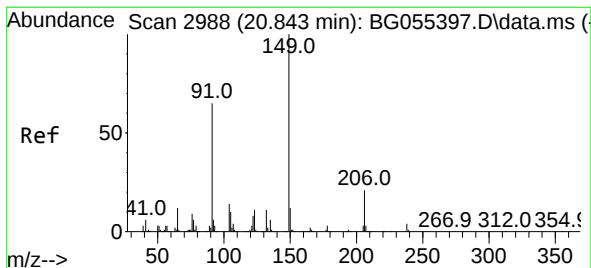
Tgt Ion:202 Resp: 112837
Ion Ratio Lower Upper
202 100
200 20.6 17.4 26.2
203 18.1 14.7 22.1



#79
Terphenyl-d14
Concen: 53.230 ng
RT: 20.157 min Scan# 2871
Delta R.T. -0.000 min
Lab File: BG055480.D
Acq: 5 Nov 2022 21:46

Tgt Ion:244 Resp: 538421
Ion Ratio Lower Upper
244 100
212 6.9 5.8 8.8
122 8.0 7.8 11.6





#80

Butylbenzylphthalate

Concen: 28.788 ng

RT: 20.827 min Scan# 2985

Delta R.T. -0.000 min

Lab File: BG055480.D

Acq: 5 Nov 2022 21:46

Instrument :

BNA_G

ClientSampleId :

SOIL-COMP-1102

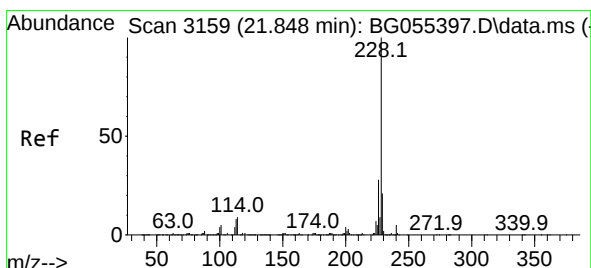
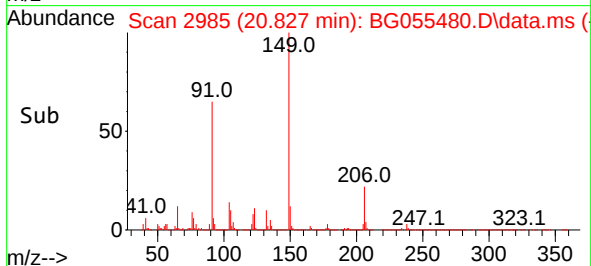
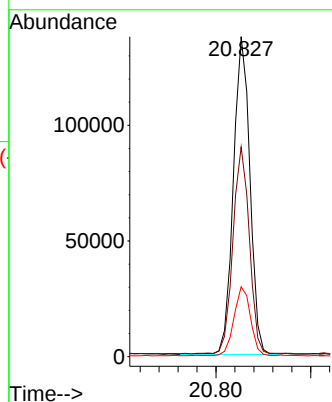
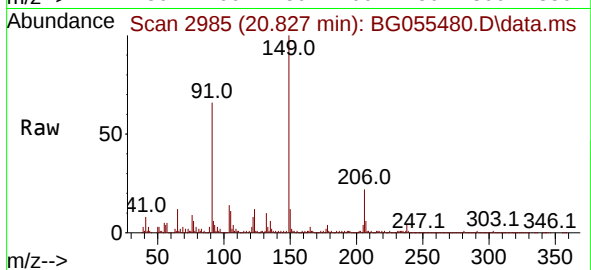
Tgt Ion:149 Resp: 166538

Ion Ratio Lower Upper

149 100

91 65.5 52.4 78.6

206 21.9 17.2 25.8



#81

Benzo(a)anthracene

Concen: 4.526 ng

RT: 21.831 min Scan# 3156

Delta R.T. -0.000 min

Lab File: BG055480.D

Acq: 5 Nov 2022 21:46

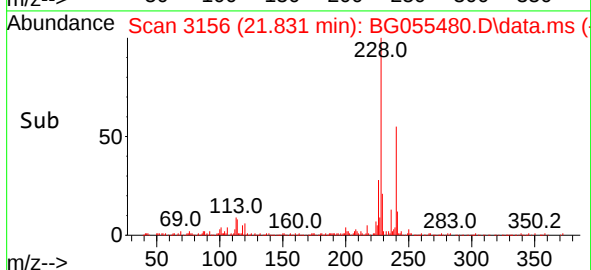
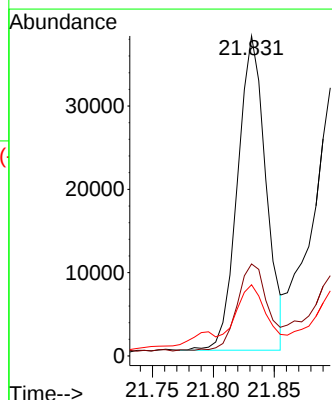
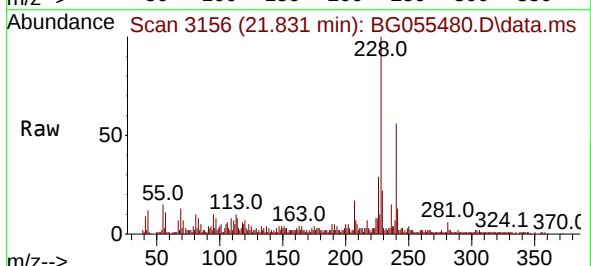
Tgt Ion:228 Resp: 61107

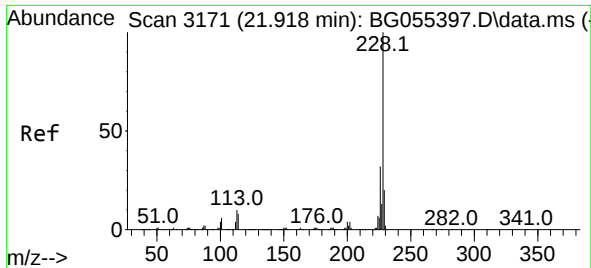
Ion Ratio Lower Upper

228 100

226 28.7 22.6 33.8

229 22.3 16.5 24.7

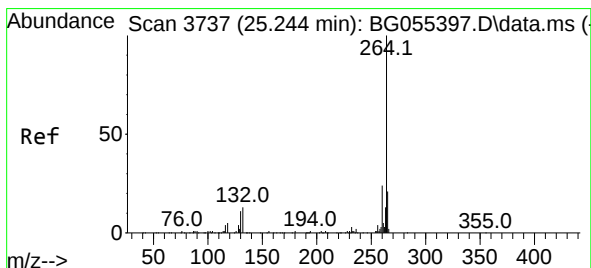
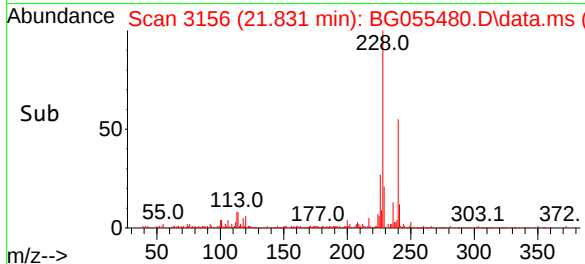
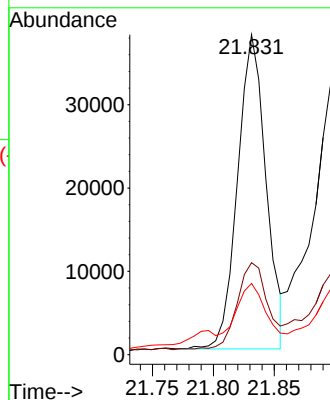
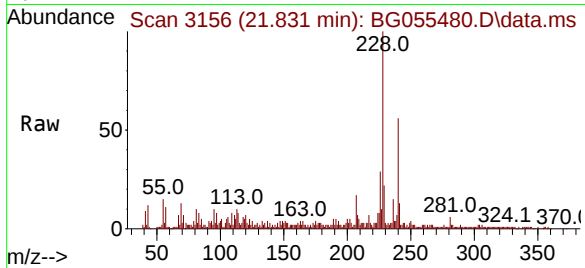




#83
Chrysene
Concen: 4.744 ng
RT: 21.831 min Scan# 3171
Delta R.T. -0.071 min
Lab File: BG055480.D
Acq: 5 Nov 2022 21:46

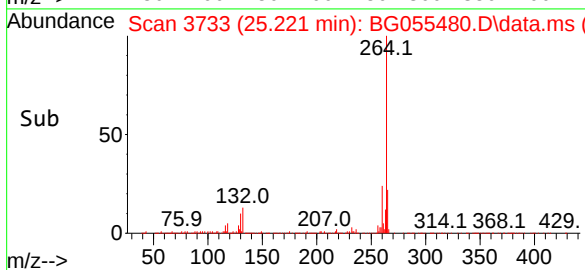
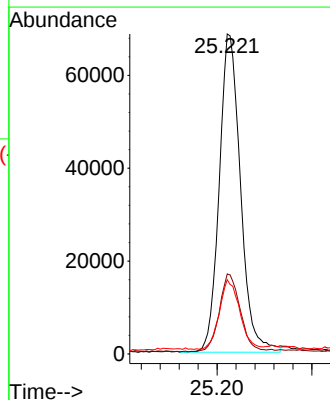
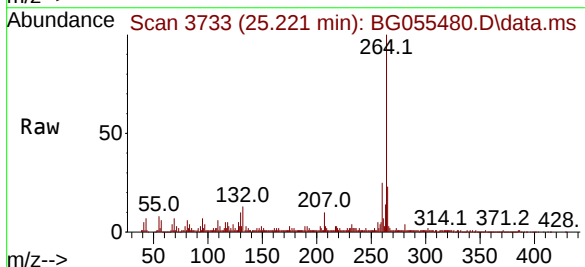
Instrument :
BNA_G
ClientSampleId :
SOIL-COMP-1102

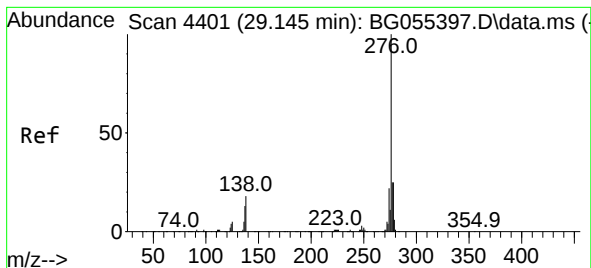
Tgt Ion:228 Resp: 61107
Ion Ratio Lower Upper
228 100
226 28.7 25.2 37.8
229 22.3 16.2 24.2



#86
Perylene-d12
Concen: 20.000 ng
RT: 25.221 min Scan# 3733
Delta R.T. -0.000 min
Lab File: BG055480.D
Acq: 5 Nov 2022 21:46

Tgt Ion:264 Resp: 213698
Ion Ratio Lower Upper
264 100
260 25.0 18.9 28.3
265 23.2 17.1 25.7





#87

Indeno(1,2,3-cd)pyrene

Concen: 2.147 ng

RT: 29.111 min Scan# 41

Delta R.T. -0.000 min

Lab File: BG055480.D

Acq: 5 Nov 2022 21:46

Instrument :

BNA_G

ClientSampleId :

SOIL-COMP-1102

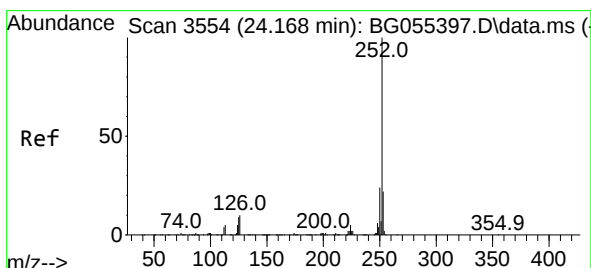
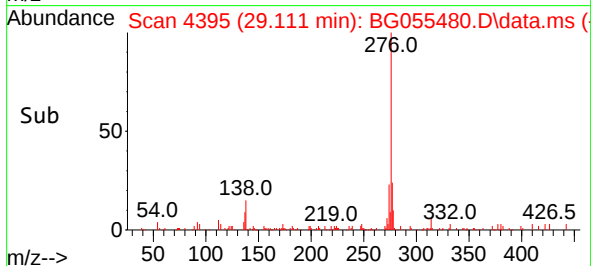
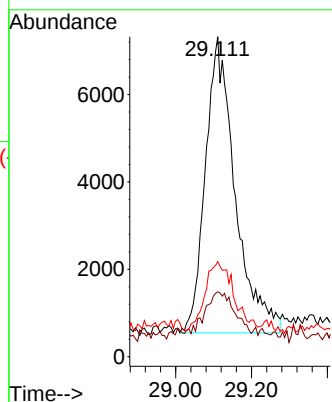
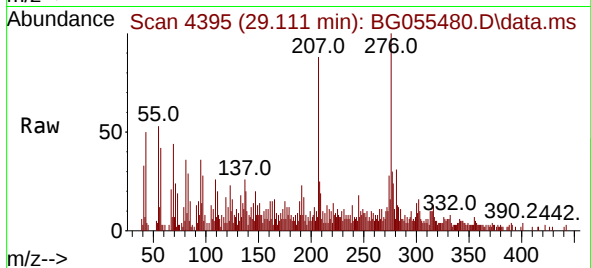
Tgt Ion:276 Resp: 36844

Ion Ratio Lower Upper

276 100

138 13.3 16.2 24.2#

277 21.7 20.5 30.7



#88

Benzo(b)fluoranthene

Concen: 6.379 ng

RT: 24.146 min Scan# 3550

Delta R.T. -0.000 min

Lab File: BG055480.D

Acq: 5 Nov 2022 21:46

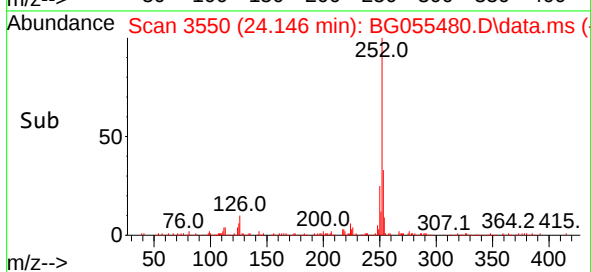
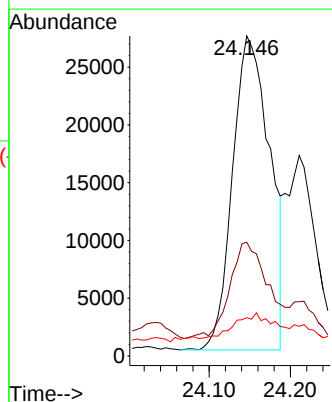
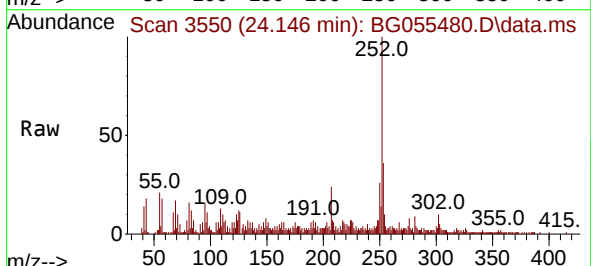
Tgt Ion:252 Resp: 86586

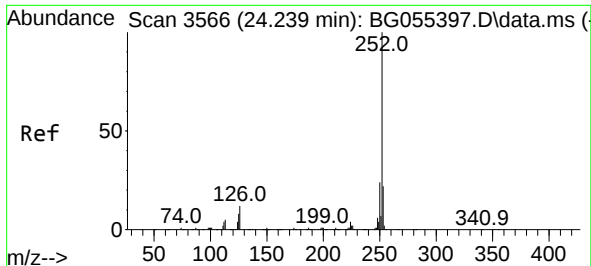
Ion Ratio Lower Upper

252 100

253 35.6 17.8 26.8#

125 12.0 6.8 10.2#

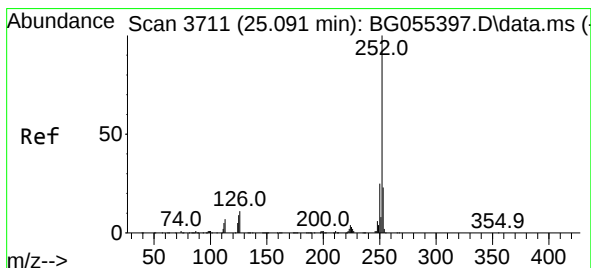
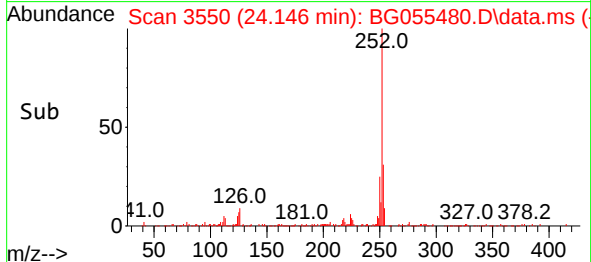
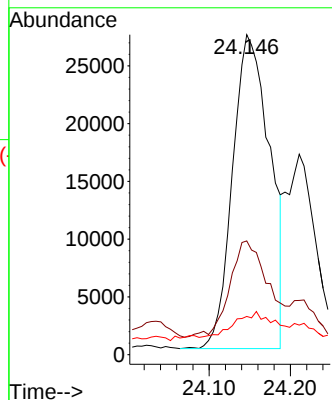
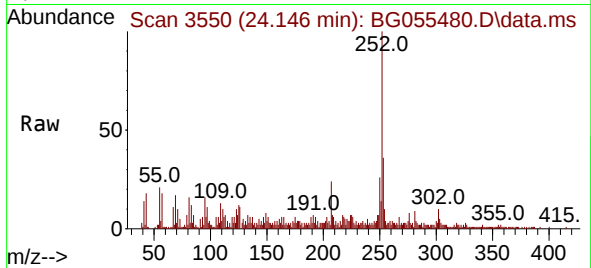




#89
Benzo(k)fluoranthene
Concen: 6.347 ng
RT: 24.146 min Scan# 31
Delta R.T. -0.071 min
Lab File: BG055480.D
Acq: 5 Nov 2022 21:46

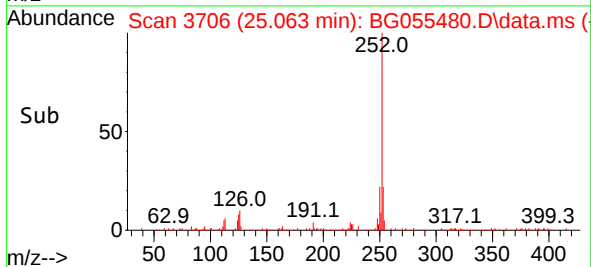
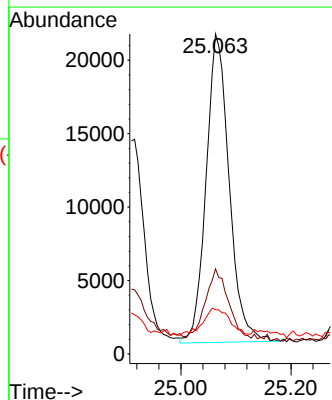
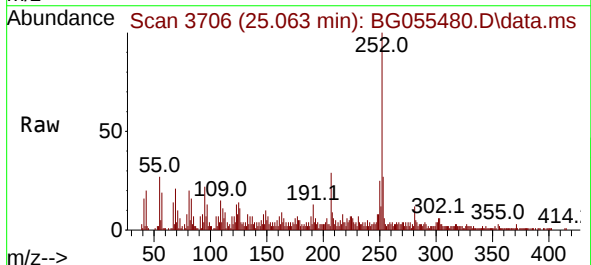
Instrument :
BNA_G
ClientSampleId :
SOIL-COMP-1102

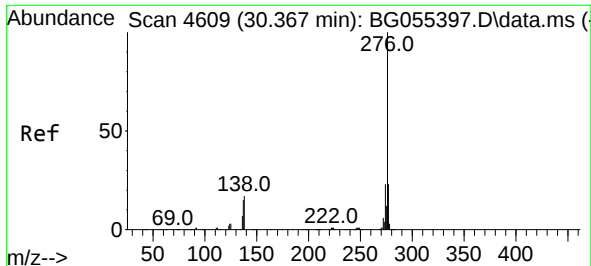
Tgt Ion:252 Resp: 86586
Ion Ratio Lower Upper
252 100
253 35.6 17.9 26.9#
125 12.0 6.9 10.3#



#90
Benzo(a)pyrene
Concen: 5.201 ng
RT: 25.063 min Scan# 3706
Delta R.T. -0.000 min
Lab File: BG055480.D
Acq: 5 Nov 2022 21:46

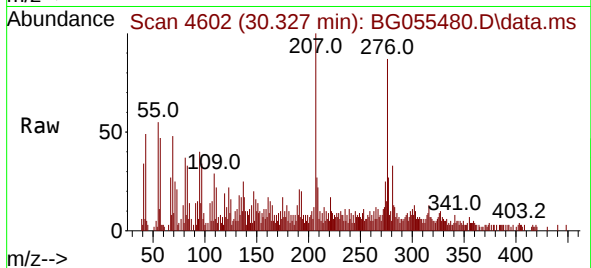
Tgt Ion:252 Resp: 61047
Ion Ratio Lower Upper
252 100
253 26.6 18.2 27.2
125 13.8 7.1 10.7#





#92
Benzo(g,h,i)perylene
Concen: 2.355 ng
RT: 30.327 min Scan# 4
Delta R.T. 0.006 min
Lab File: BG055480.D
Acq: 5 Nov 2022 21:46

Instrument :
BNA_G
ClientSampleId :
SOIL-COMP-1102



Tgt Ion:276 Resp: 33157
Ion Ratio Lower Upper
276 100
277 31.3 18.6 28.0#
138 19.9 13.4 20.0

