

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG110522\
 Data File : BG055478.D
 Acq On : 5 Nov 2022 20:21
 Operator : CG/JU
 Sample : N5435-03
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 PTS-SOIL-PILE-1103

Quant Time: Nov 07 00:59:08 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

Manual Integrations
 APPROVED

Reviewed By :Christian Giraldo 11/07/2022
 Supervised By :Jagrut Upadhyay 11/07/2022

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.229	152	36850	20.000	ng	0.00
21) Naphthalene-d8	11.055	136	148927	20.000	ng	0.00
39) Acenaphthene-d10	14.844	164	98659	20.000	ng	0.00
64) Phenanthrene-d10	17.576	188	208860	20.000	ng	0.00
76) Chrysene-d12	21.848	240	204456	20.000	ng	0.00
86) Perylene-d12	25.220	264	224708	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.761	112	179195	87.329	ng	0.01
7) Phenol-d6	7.382	99	233536	82.071	ng	0.00
23) Nitrobenzene-d5	9.404	82	139893	50.062	ng	0.00
42) 2,4,6-Tribromophenol	16.325	330	111972	83.205	ng	0.00
45) 2-Fluorobiphenyl	13.469	172	344304	51.742	ng	0.00
79) Terphenyl-d14	20.156	244	523492	49.788	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	17.623	178	163996	13.959	ng	99
72) Anthracene	17.712	178	33207	2.884	ng	99
75) Fluoranthene	19.615	202	417937	29.575	ng	99
78) Pyrene	19.974	202	393065	27.252	ng	100
81) Benzo(a)anthracene	21.830	228	229253	16.334	ng	99
83) Chrysene	21.901	228	227934	17.023	ng	97
84) Bis(2-ethylhexyl)phtha...	21.689	149	26267	3.005	ng	# 97
87) Indeno(1,2,3-cd)pyrene	29.098	276	175031	9.702	ng	# 87
88) Benzo(b)fluoranthene	24.145	252	333231	23.346	ng	98
89) Benzo(k)fluoranthene	24.210	252	113426m	7.908	ng	
90) Benzo(a)pyrene	25.062	252	227454	18.430	ng	98
91) Dibenzo(a,h)anthracene	29.122	278	48254	3.242	ng	96
92) Benzo(g,h,i)perylene	30.314	276	174882	11.813	ng	98

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

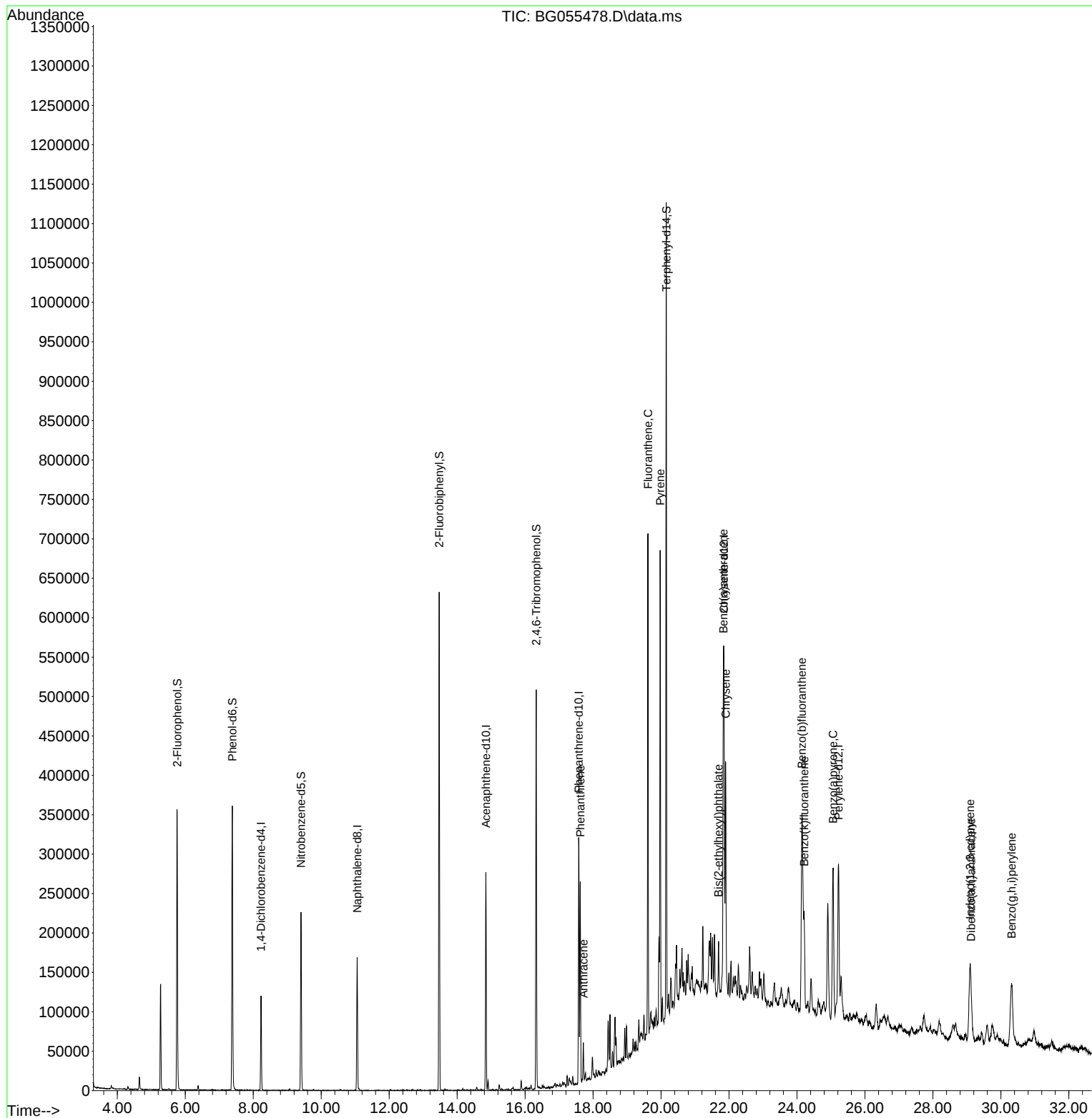
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG110522\
Data File : BG055478.D
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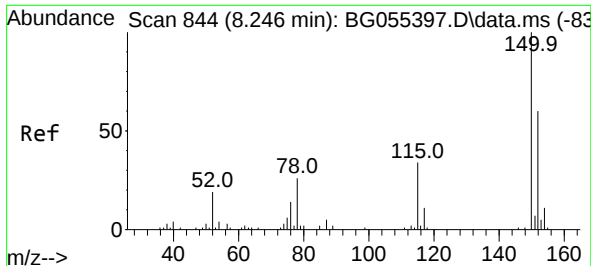
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Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG110122.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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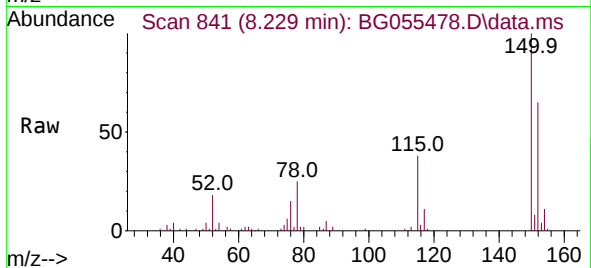
Reviewed By : Christian Giraldo 11/07/2022
Supervised By : Jagrut Upadhyay 11/07/2022





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.229 min Scan# 844
Delta R.T. -0.002 min
Lab File: BG055478.D
Acq: 5 Nov 2022 20:21

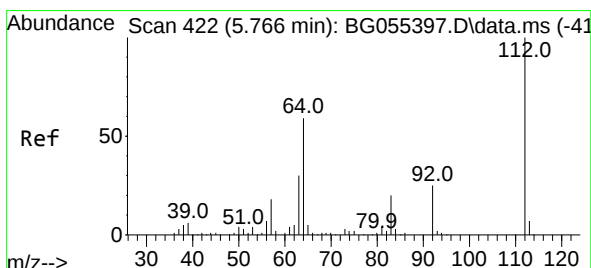
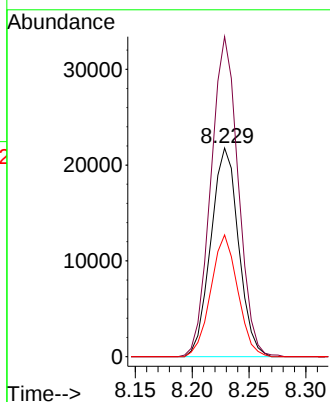
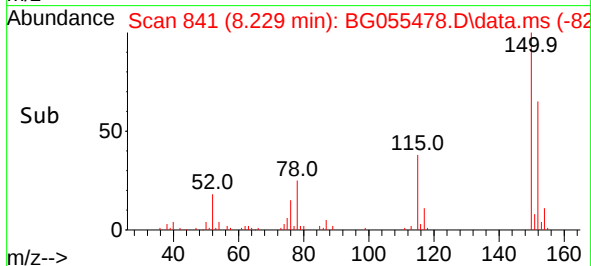
Instrument :
BNA_G
ClientSampleId :
PTS-SOIL-PILE-1103



Tgt Ion:152 Resp: 36850
Ion Ratio Lower Upper
152 100
150 153.4 132.8 199.2
115 58.3 45.1 67.7

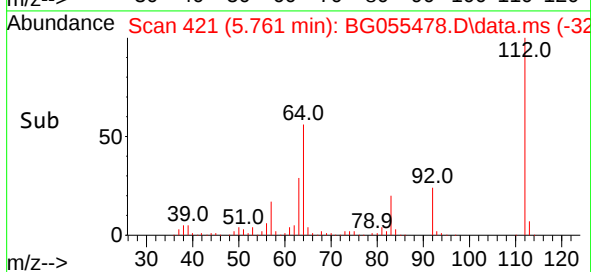
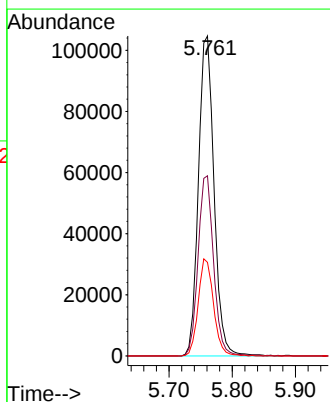
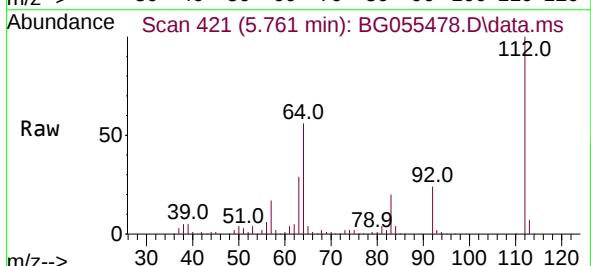
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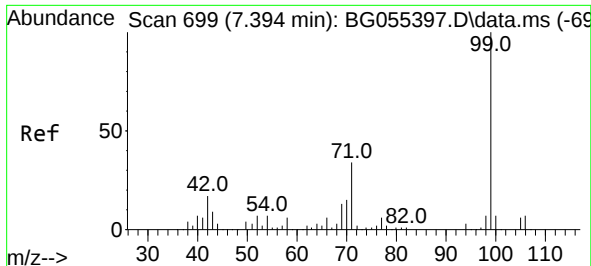
Reviewed By :Christian Giraldo 11/07/2022
Supervised By :Jagrut Upadhyay 11/07/2022



#5
2-Fluorophenol
Concen: 87.329 ng
RT: 5.761 min Scan# 421
Delta R.T. 0.010 min
Lab File: BG055478.D
Acq: 5 Nov 2022 20:21

Tgt Ion:112 Resp: 179195
Ion Ratio Lower Upper
112 100
64 56.3 47.2 70.8
63 29.2 24.3 36.5





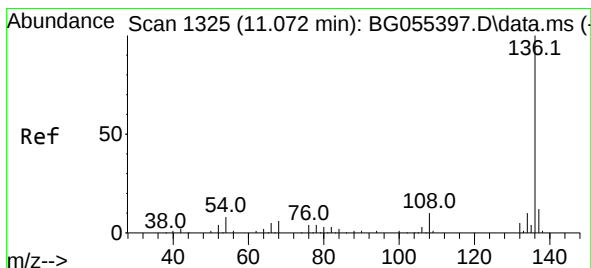
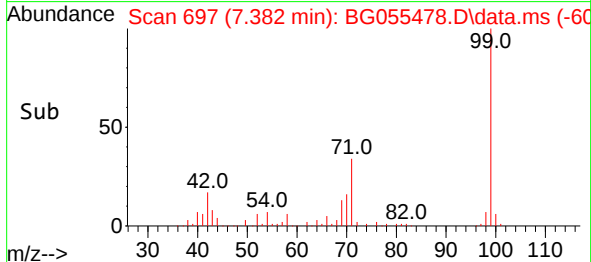
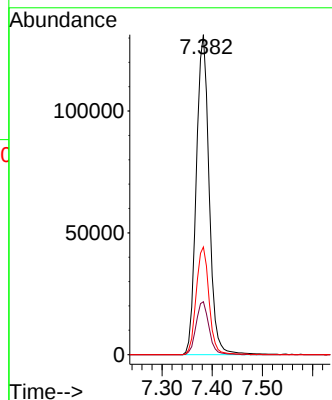
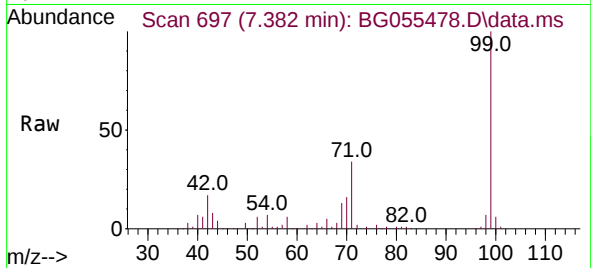
#7
Phenol-d6
Concen: 82.071 ng
RT: 7.382 min Scan# 699
Delta R.T. 0.005 min
Lab File: BG055478.D
Acq: 5 Nov 2022 20:21

Instrument :
BNA_G
ClientSampleId :
PTS-SOIL-PILE-1103

Tgt Ion: 99 Resp: 233536
Ion Ratio Lower Upper
99 100
42 16.5 13.5 20.3
71 33.6 27.4 41.0

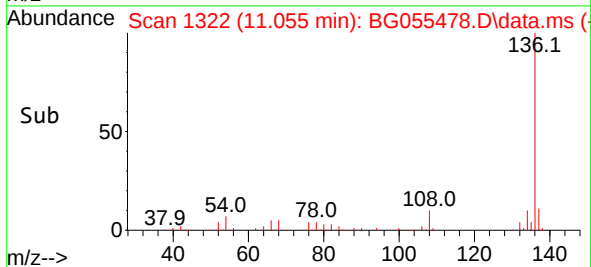
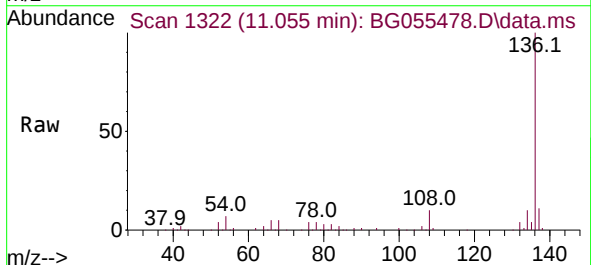
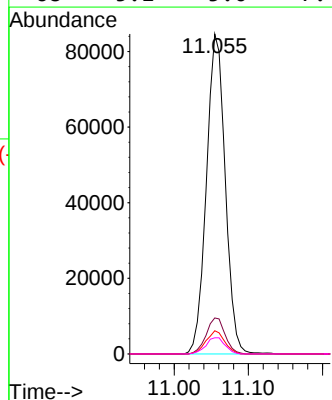
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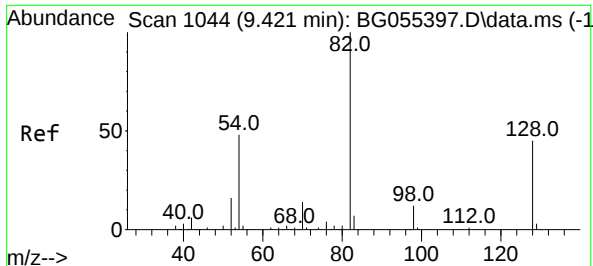
Reviewed By :Christian Giraldo 11/07/2022
Supervised By :Jagrut Upadhyay 11/07/2022



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.055 min Scan# 1322
Delta R.T. -0.001 min
Lab File: BG055478.D
Acq: 5 Nov 2022 20:21

Tgt Ion:136 Resp: 148927
Ion Ratio Lower Upper
136 100
137 11.2 9.4 14.2
54 7.2 6.1 9.1
68 5.1 5.0 7.4





#23

Nitrobenzene-d5

Concen: 50.062 ng

RT: 9.404 min Scan# 1044

Delta R.T. -0.001 min

Lab File: BG055478.D

Acq: 5 Nov 2022 20:21

Instrument :

BNA_G

ClientSampleId :

PTS-SOIL-PILE-1103

Tgt Ion: 82 Resp: 139893

Ion Ratio Lower Upper

82 100

128 46.1 35.8 53.8

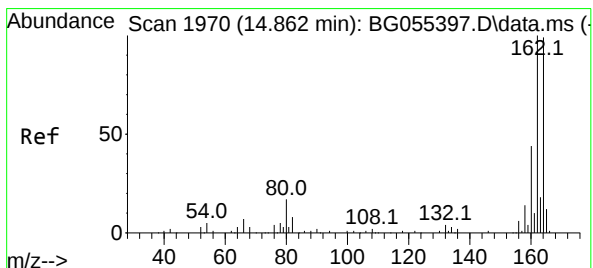
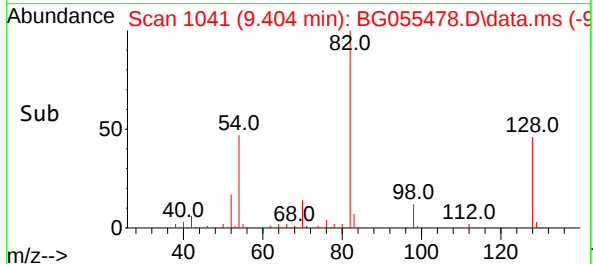
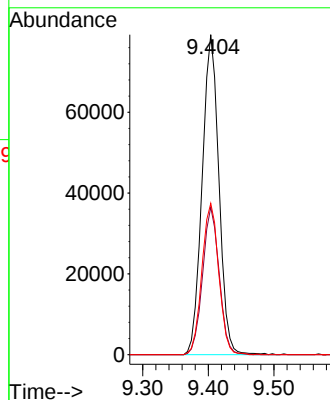
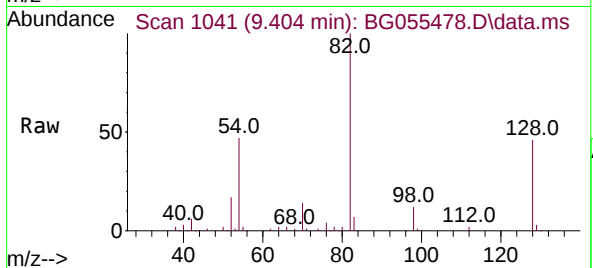
54 47.3 38.1 57.1

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#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.844 min Scan# 1967

Delta R.T. -0.001 min

Lab File: BG055478.D

Acq: 5 Nov 2022 20:21

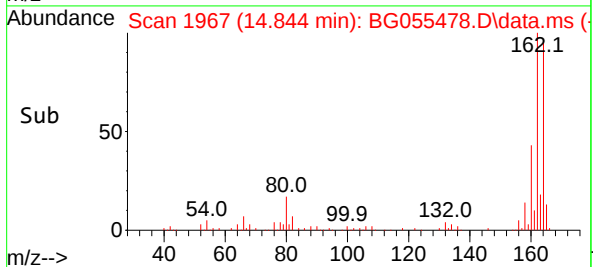
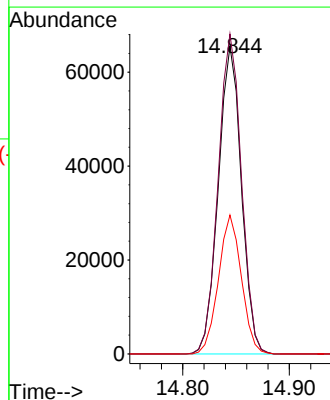
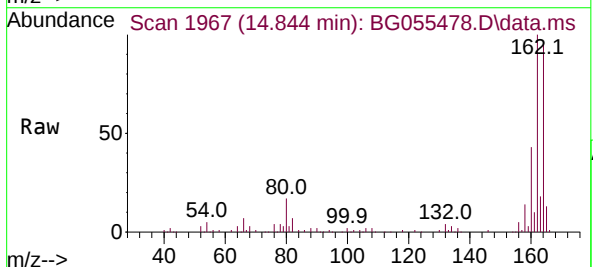
Tgt Ion:164 Resp: 98659

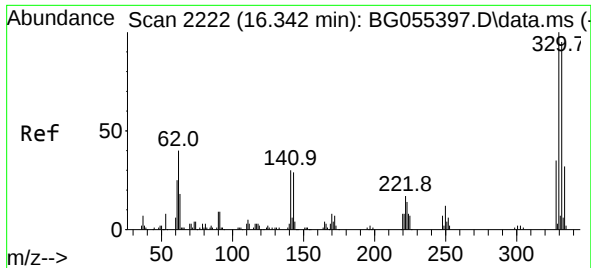
Ion Ratio Lower Upper

164 100

162 104.0 81.1 121.7

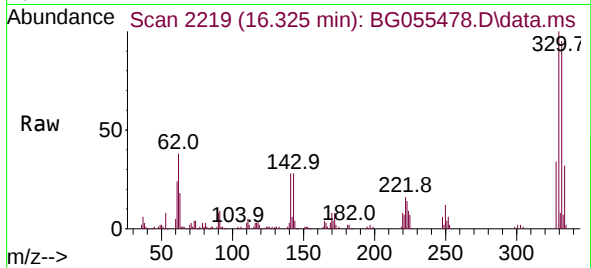
160 45.1 35.8 53.6





#42
2,4,6-Tribromophenol
Concen: 83.205 ng
RT: 16.325 min Scan# 21
Delta R.T. -0.007 min
Lab File: BG055478.D
Acq: 5 Nov 2022 20:21

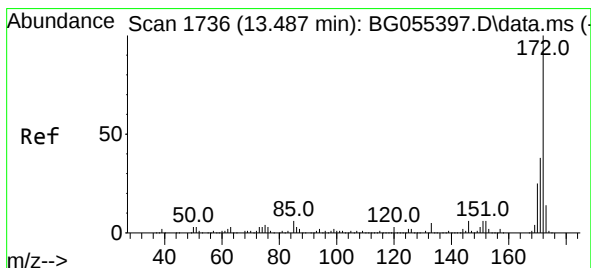
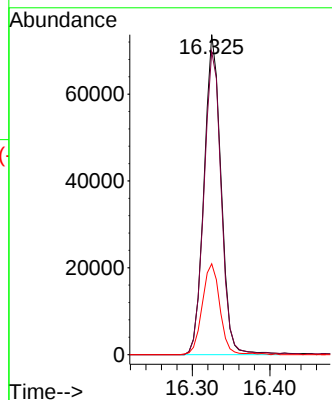
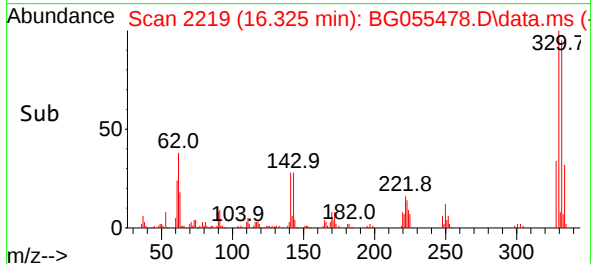
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ClientSampleId :
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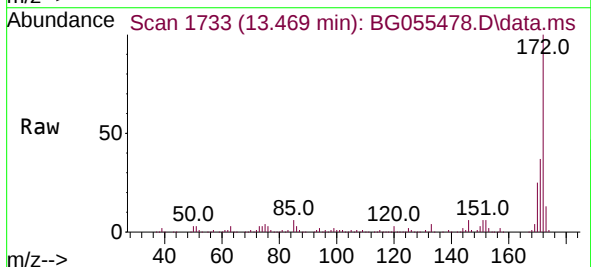
Tgt Ion:330 Resp: 111972
Ion Ratio Lower Upper
330 100
332 96.8 77.8 116.6
141 29.6 24.2 36.2

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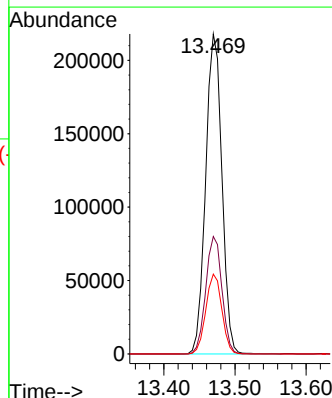
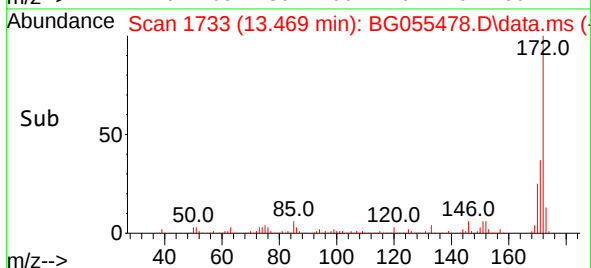
Reviewed By :Christian Giraldo 11/07/2022
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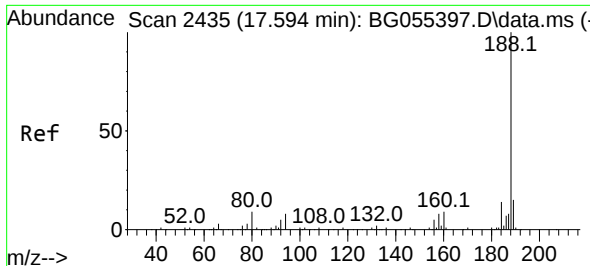


#45
2-Fluorobiphenyl
Concen: 51.742 ng
RT: 13.469 min Scan# 1733
Delta R.T. -0.001 min
Lab File: BG055478.D
Acq: 5 Nov 2022 20:21



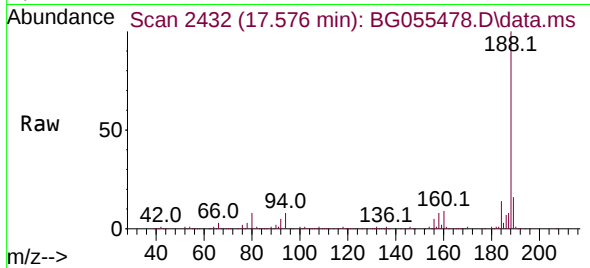
Tgt Ion:172 Resp: 344304
Ion Ratio Lower Upper
172 100
171 36.7 30.2 45.2
170 24.9 20.2 30.2





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.576 min Scan# 2435
Delta R.T. -0.007 min
Lab File: BG055478.D
Acq: 5 Nov 2022 20:21

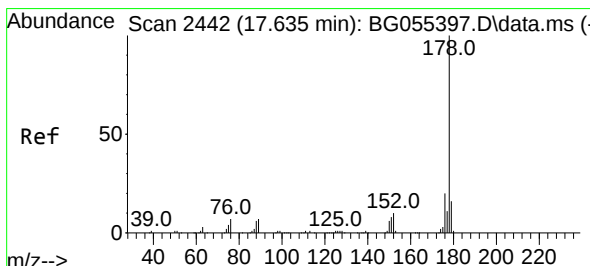
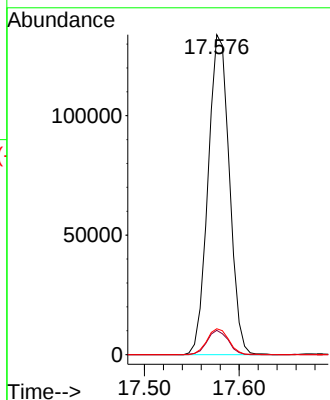
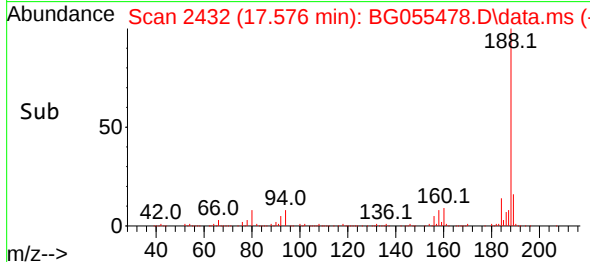
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PTS-SOIL-PILE-1103



Tgt Ion:188 Resp: 208860
Ion Ratio Lower Upper
188 100
94 7.6 6.5 9.7
80 8.1 7.4 11.0

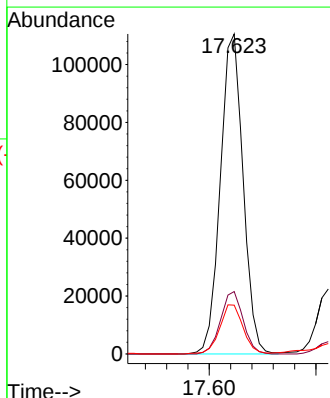
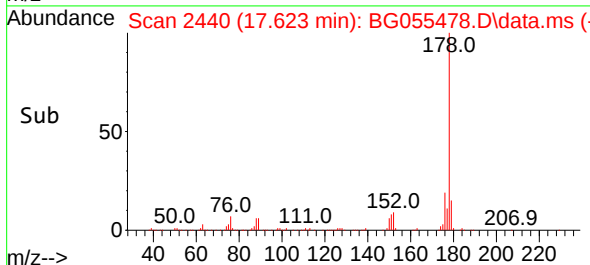
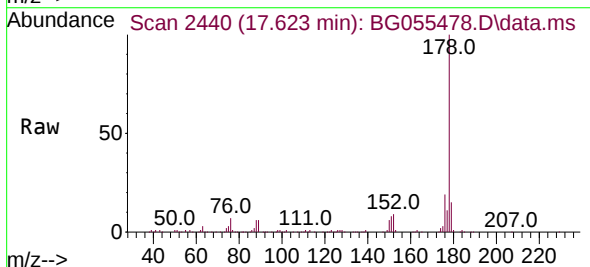
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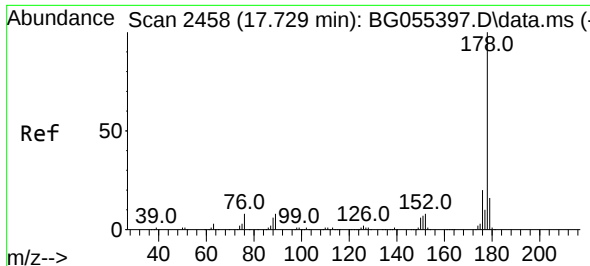
Reviewed By :Christian Giraldo 11/07/2022
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#71
Phenanthrene
Concen: 13.959 ng
RT: 17.623 min Scan# 2440
Delta R.T. -0.001 min
Lab File: BG055478.D
Acq: 5 Nov 2022 20:21

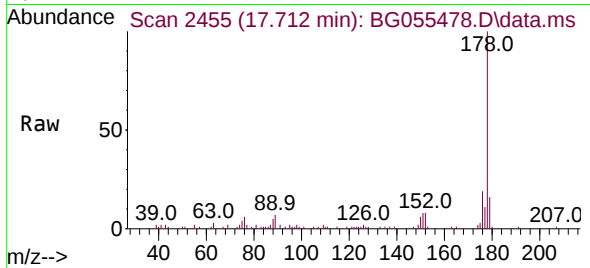
Tgt Ion:178 Resp: 163996
Ion Ratio Lower Upper
178 100
176 19.5 15.8 23.8
179 15.2 12.7 19.1





#72
 Anthracene
 Concen: 2.884 ng
 RT: 17.712 min Scan# 2455
 Delta R.T. -0.001 min
 Lab File: BG055478.D
 Acq: 5 Nov 2022 20:21

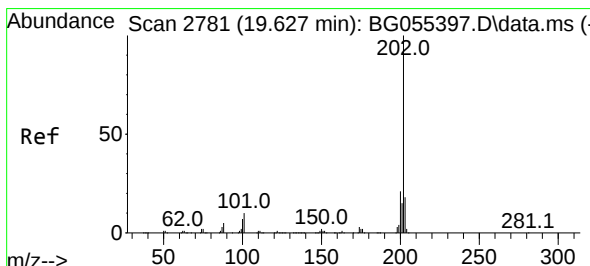
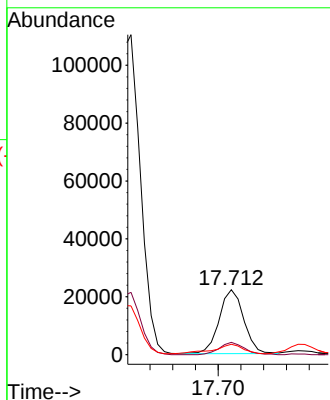
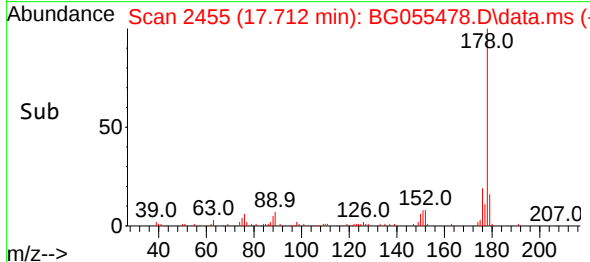
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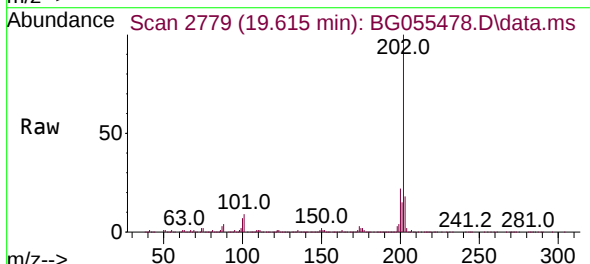
Tgt Ion:178 Resp: 33207
 Ion Ratio Lower Upper
 178 100
 176 18.8 15.7 23.5
 179 15.9 13.0 19.6

Manual Integrations
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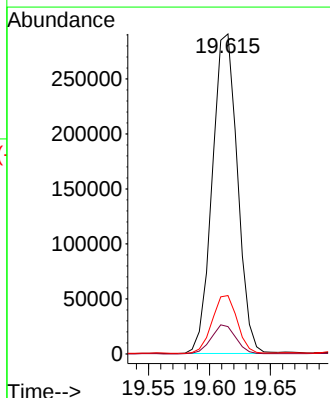
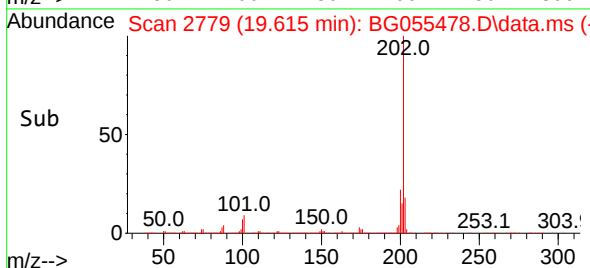
Reviewed By :Christian Giraldo 11/07/2022
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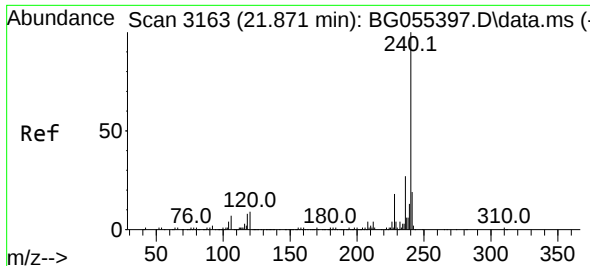


#75
 Fluoranthene
 Concen: 29.575 ng
 RT: 19.615 min Scan# 2779
 Delta R.T. -0.001 min
 Lab File: BG055478.D
 Acq: 5 Nov 2022 20:21



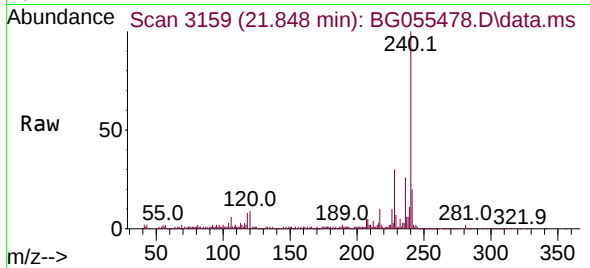
Tgt Ion:202 Resp: 417937
 Ion Ratio Lower Upper
 202 100
 101 8.5 0.0 29.8
 203 18.2 0.0 38.1





#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.848 min Scan# 3163
Delta R.T. -0.007 min
Lab File: BG055478.D
Acq: 5 Nov 2022 20:21

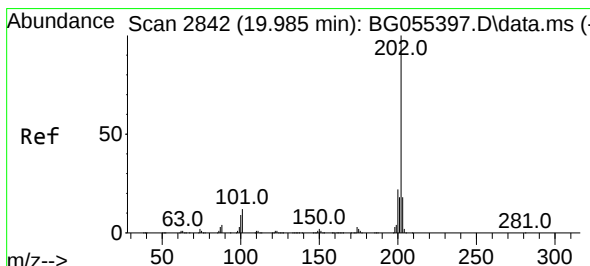
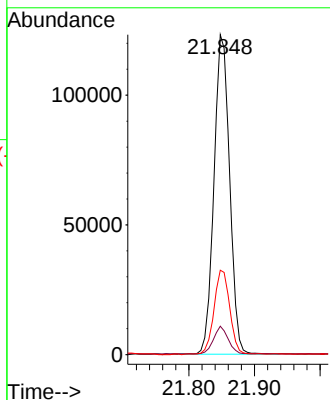
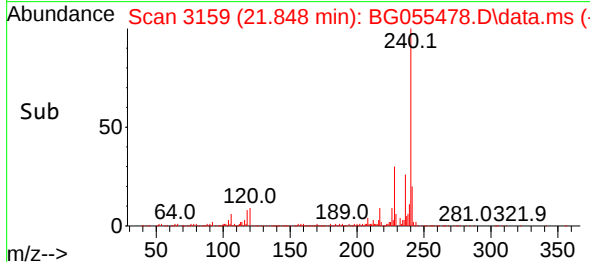
Instrument :
BNA_G
ClientSampleId :
PTS-SOIL-PILE-1103



Tgt Ion:240 Resp: 204456
Ion Ratio Lower Upper
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120 8.9 6.9 10.3
236 26.4 21.5 32.3

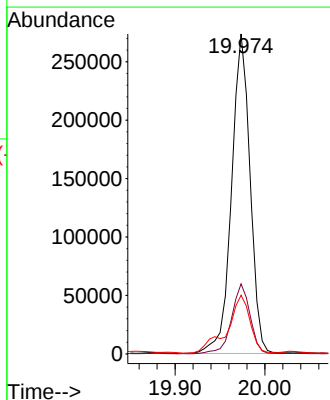
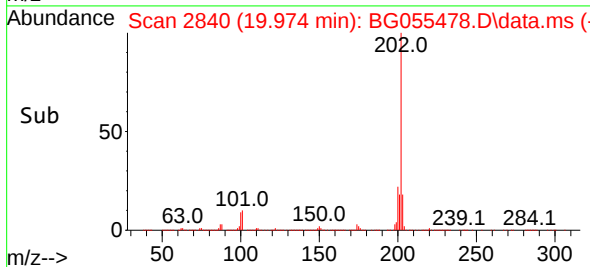
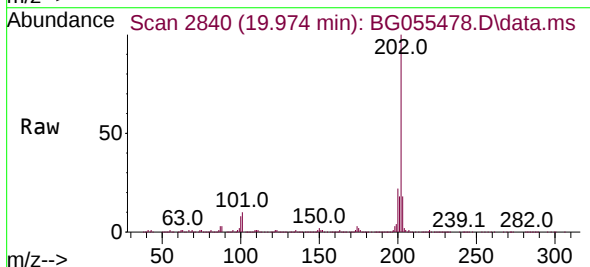
Manual Integrations
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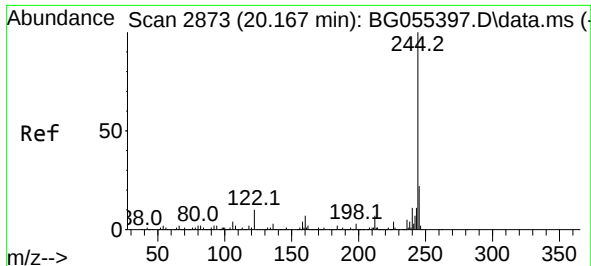
Reviewed By :Christian Giraldo 11/07/2022
Supervised By :Jagrut Upadhyay 11/07/2022



#78
Pyrene
Concen: 27.252 ng
RT: 19.974 min Scan# 2840
Delta R.T. -0.001 min
Lab File: BG055478.D
Acq: 5 Nov 2022 20:21

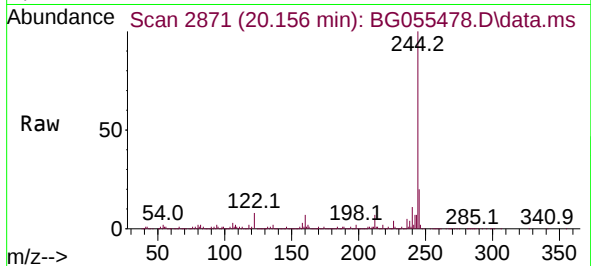
Tgt Ion:202 Resp: 393065
Ion Ratio Lower Upper
202 100
200 21.9 17.4 26.2
203 18.3 14.7 22.1





#79
Terphenyl-d14
Concen: 49.788 ng
RT: 20.156 min Scan# 2873
Delta R.T. -0.001 min
Lab File: BG055478.D
Acq: 5 Nov 2022 20:21

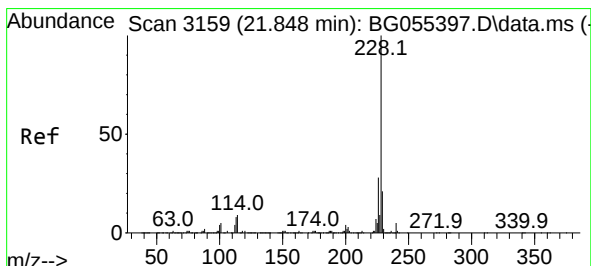
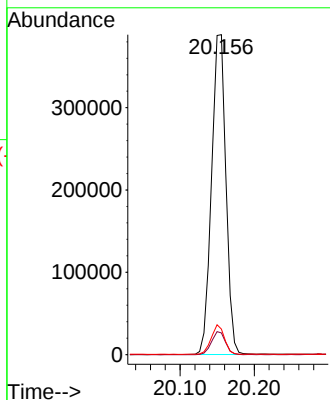
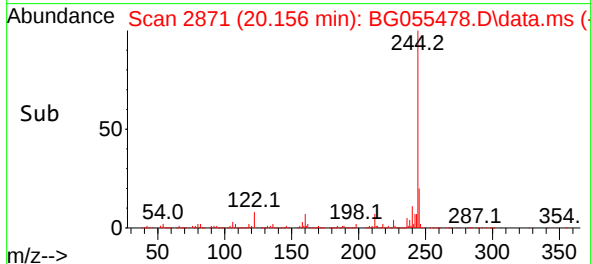
Instrument :
BNA_G
ClientSampleId :
PTS-SOIL-PILE-1103



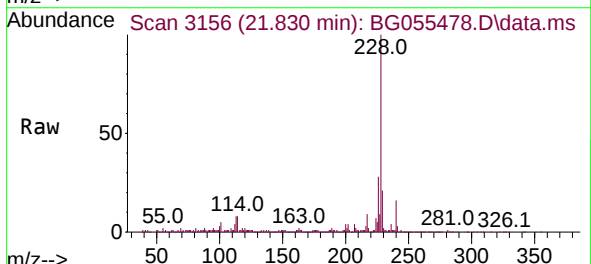
Tgt Ion:244 Resp: 523492
Ion Ratio Lower Upper
244 100
212 6.8 5.8 8.8
122 8.0 7.8 11.6

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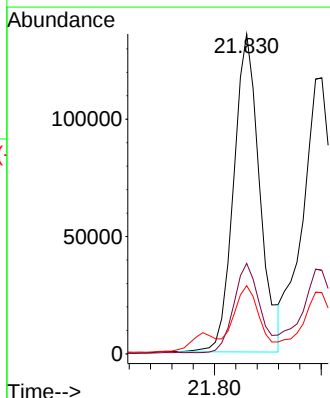
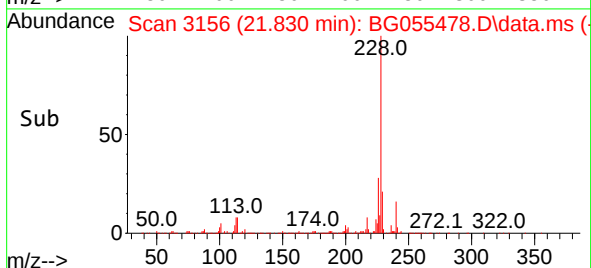
Reviewed By :Christian Giraldo 11/07/2022
Supervised By :Jagrut Upadhyay 11/07/2022

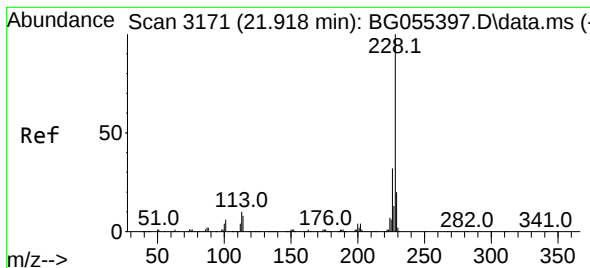


#81
Benzo(a)anthracene
Concen: 16.334 ng
RT: 21.830 min Scan# 3156
Delta R.T. -0.001 min
Lab File: BG055478.D
Acq: 5 Nov 2022 20:21



Tgt Ion:228 Resp: 229253
Ion Ratio Lower Upper
228 100
226 28.3 22.6 33.8
229 21.3 16.5 24.7





#83

Chrysene

Concen: 17.023 ng

RT: 21.901 min Scan# 31

Delta R.T. -0.001 min

Lab File: BG055478.D

Acq: 5 Nov 2022 20:21

Instrument :

BNA_G

ClientSampleId :

PTS-SOIL-PILE-1103

Tgt Ion:228 Resp: 227934

Ion Ratio Lower Upper

228 100

226 30.3 25.2 37.8

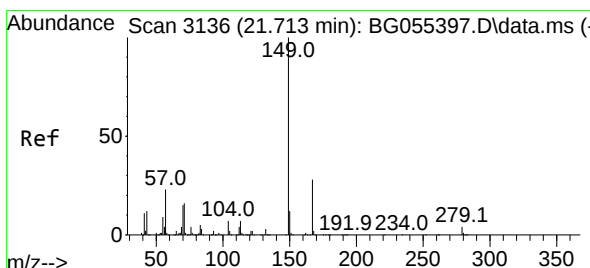
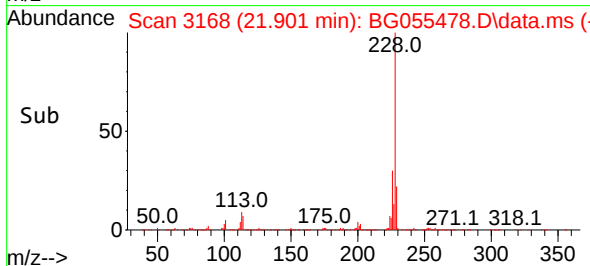
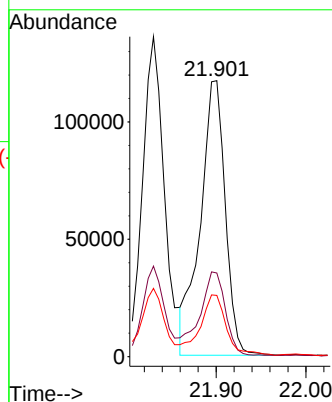
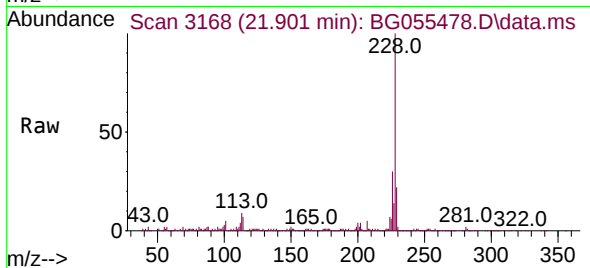
229 22.2 16.2 24.2

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Reviewed By :Christian Giraldo 11/07/2022

Supervised By :Jagrut Upadhyay 11/07/2022



#84

Bis(2-ethylhexyl)phthalate

Concen: 3.005 ng

RT: 21.689 min Scan# 3132

Delta R.T. -0.001 min

Lab File: BG055478.D

Acq: 5 Nov 2022 20:21

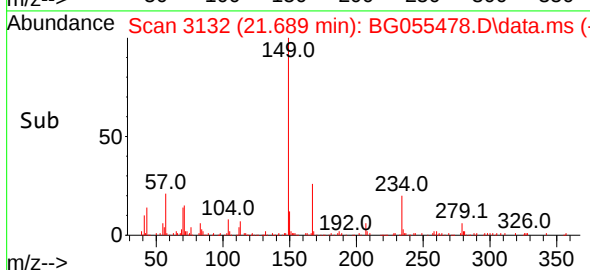
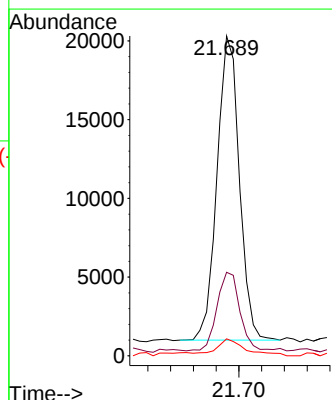
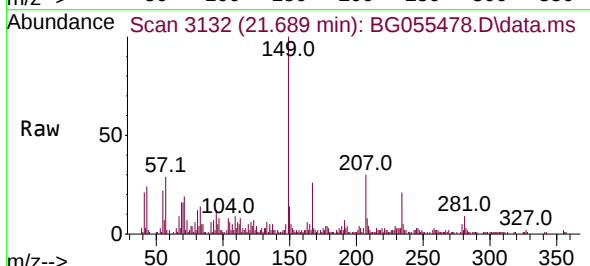
Tgt Ion:149 Resp: 26267

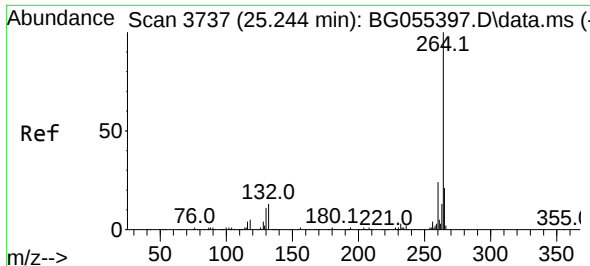
Ion Ratio Lower Upper

149 100

167 26.1 22.0 33.0

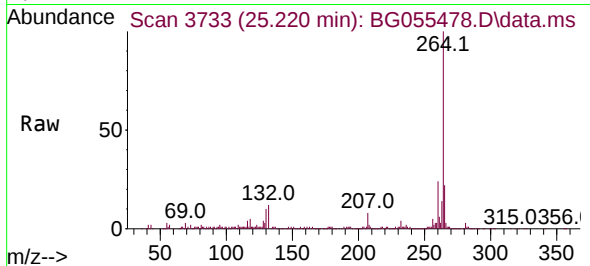
279 5.3 3.4 5.2#





#86
Perylene-d12
Concen: 20.000 ng
RT: 25.220 min Scan# 31
Delta R.T. -0.001 min
Lab File: BG055478.D
Acq: 5 Nov 2022 20:21

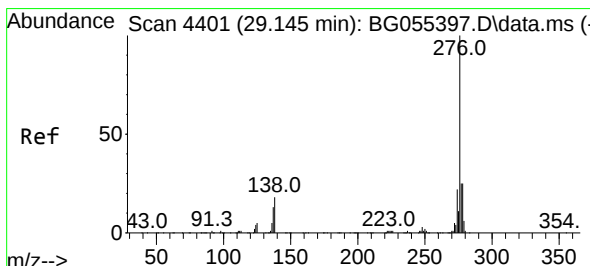
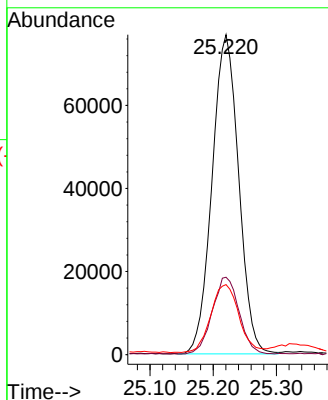
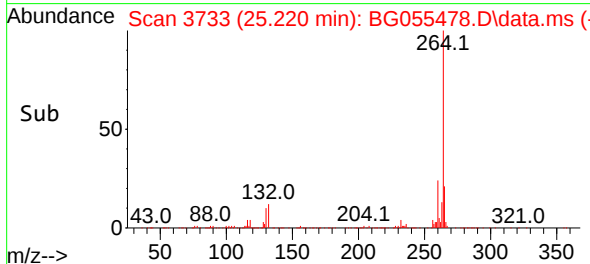
Instrument :
BNA_G
ClientSampleId :
PTS-SOIL-PILE-1103



Tgt Ion:264 Resp: 224708
Ion Ratio Lower Upper
264 100
260 24.2 18.9 28.3
265 21.9 17.1 25.7

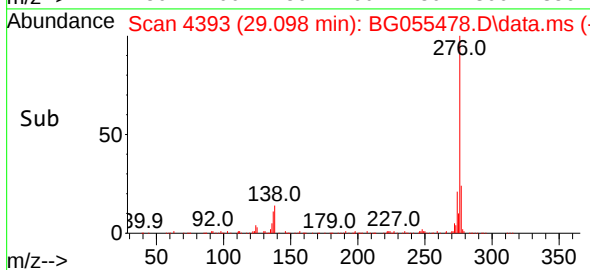
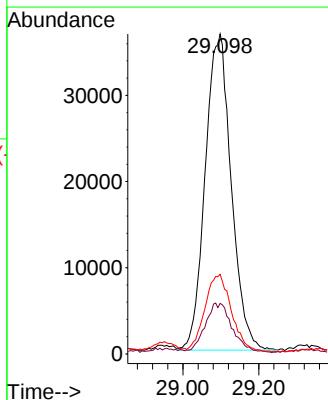
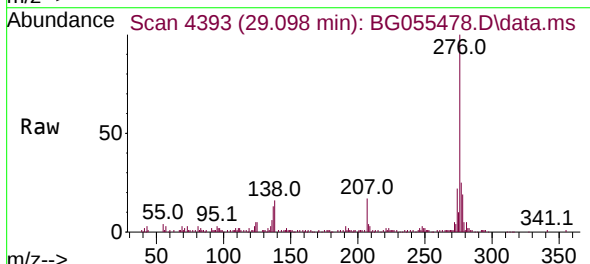
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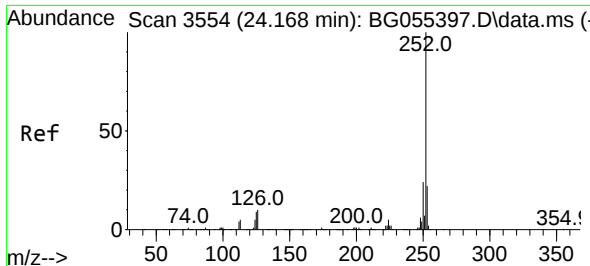
Reviewed By :Christian Giraldo 11/07/2022
Supervised By :Jagrut Upadhyay 11/07/2022



#87
Indeno(1,2,3-cd)pyrene
Concen: 9.702 ng
RT: 29.098 min Scan# 4393
Delta R.T. -0.013 min
Lab File: BG055478.D
Acq: 5 Nov 2022 20:21

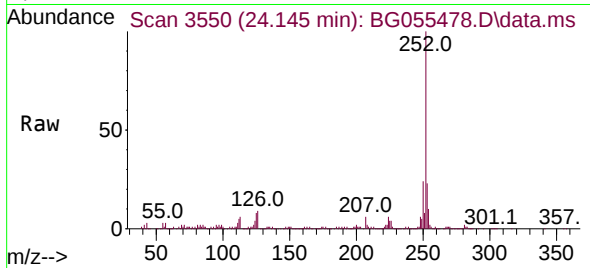
Tgt Ion:276 Resp: 175031
Ion Ratio Lower Upper
276 100
138 7.4 16.2 24.2#
277 24.8 20.5 30.7





#88
Benzo(b)fluoranthene
Concen: 23.346 ng
RT: 24.145 min Scan# 3550
Delta R.T. -0.001 min
Lab File: BG055478.D
Acq: 5 Nov 2022 20:21

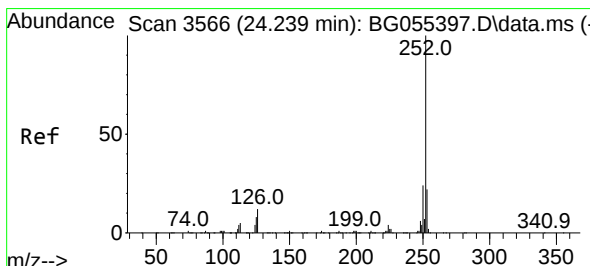
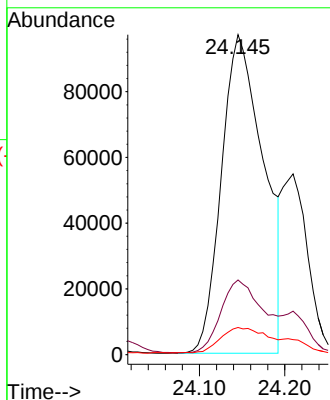
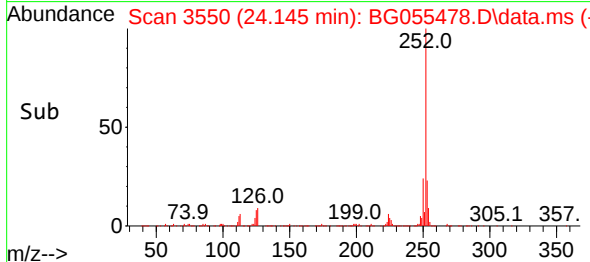
Instrument :
BNA_G
ClientSampleId :
PTS-SOIL-PILE-1103



Tgt Ion:252 Resp: 333231
Ion Ratio Lower Upper
252 100
253 23.3 17.8 26.8
125 8.5 6.8 10.2

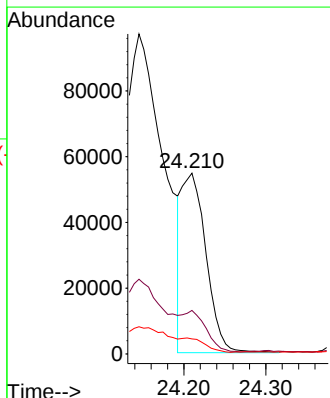
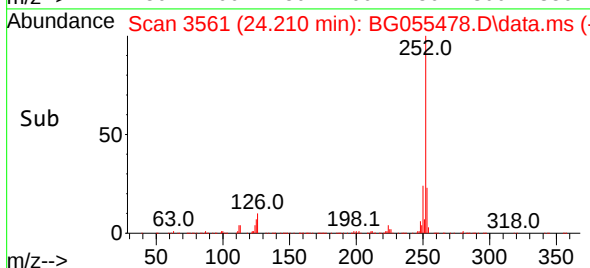
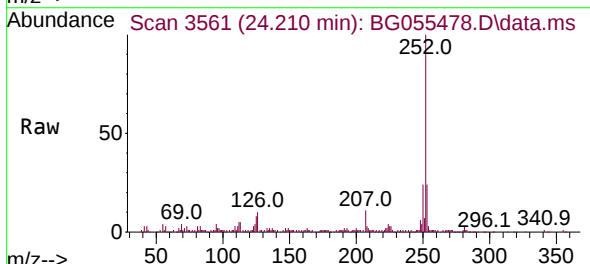
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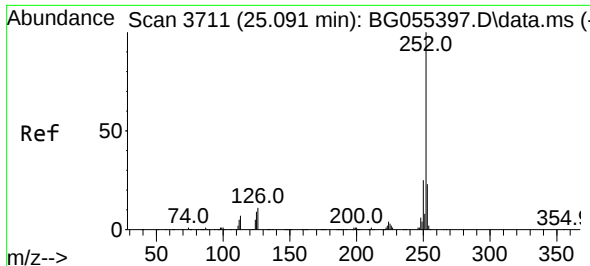
Reviewed By :Christian Giraldo 11/07/2022
Supervised By :Jagrut Upadhyay 11/07/2022



#89
Benzo(k)fluoranthene
Concen: 7.908 ng m
RT: 24.210 min Scan# 3561
Delta R.T. -0.007 min
Lab File: BG055478.D
Acq: 5 Nov 2022 20:21

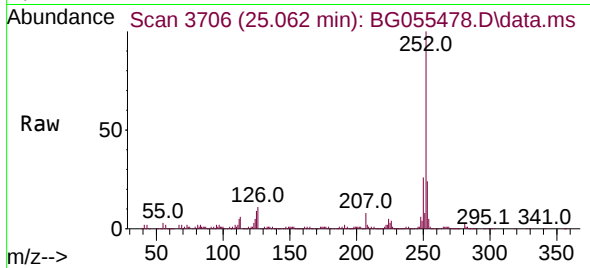
Tgt Ion:252 Resp: 113426
Ion Ratio Lower Upper
252 100
253 24.0 17.9 26.9
125 8.3 6.9 10.3





#90
Benzo(a)pyrene
Concen: 18.430 ng
RT: 25.062 min Scan# 31
Delta R.T. -0.001 min
Lab File: BG055478.D
Acq: 5 Nov 2022 20:21

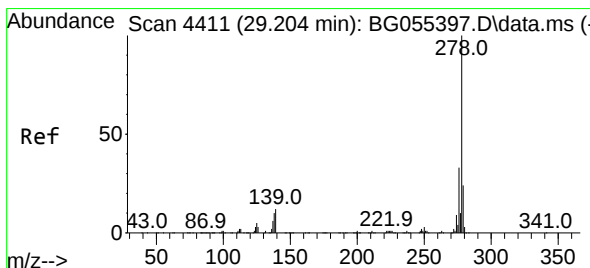
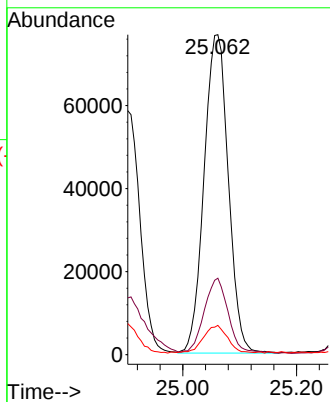
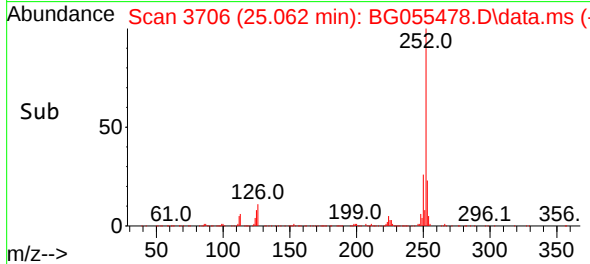
Instrument :
BNA_G
ClientSampleId :
PTS-SOIL-PILE-1103



Tgt Ion:252 Resp: 227454
Ion Ratio Lower Upper
252 100
253 23.9 18.2 27.2
125 9.1 7.1 10.7

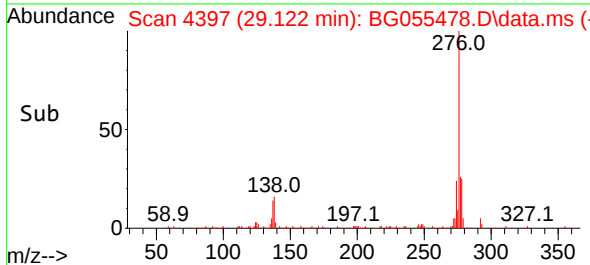
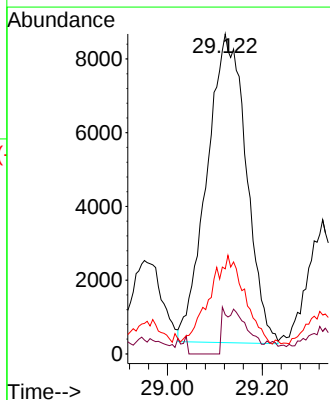
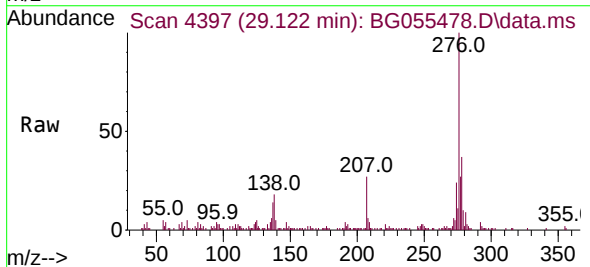
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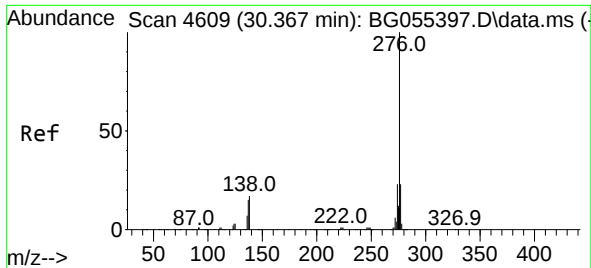
Reviewed By :Christian Giraldo 11/07/2022
Supervised By :Jagrut Upadhyay 11/07/2022



#91
Dibenzo(a,h)anthracene
Concen: 3.242 ng
RT: 29.122 min Scan# 4397
Delta R.T. -0.037 min
Lab File: BG055478.D
Acq: 5 Nov 2022 20:21

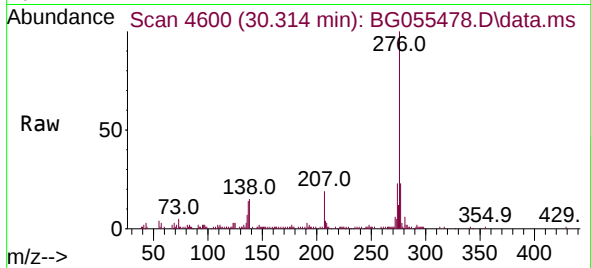
Tgt Ion:278 Resp: 48254
Ion Ratio Lower Upper
278 100
139 12.2 9.9 14.9
279 26.6 19.0 28.4





#92
 Benzo(g,h,i)perylene
 Concen: 11.813 ng
 RT: 30.314 min Scan# 4600
 Delta R.T. -0.007 min
 Lab File: BG055478.D
 Acq: 5 Nov 2022 20:21

Instrument :
 BNA_G
 ClientSampleId :
 PTS-SOIL-PILE-1103



Tgt Ion:276 Resp: 174882
 Ion Ratio Lower Upper
 276 100
 277 23.0 18.6 28.0
 138 15.4 13.4 20.0

Manual Integrations
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Reviewed By :Christian Giraldo 11/07/2022
 Supervised By :Jagrut Upadhyay 11/07/2022

