

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG072622\
 Data File : BG054407.D
 Acq On : 26 Jul 2022 21:10
 Operator : CG/JU
 Sample : N3878-01 10X
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 200-E-5TH-ST-DIRT-STONE-ASPHALT

Quant Time: Jul 27 04:34:31 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG071522.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jul 15 15:54:11 2022
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Christian Giraldo 07/27/2022
 Supervised By :Jagrut Upadhyay 07/27/2022

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.989	152	23479	20.000	ng	-0.01
21) Naphthalene-d8	10.798	136	86462	20.000	ng	#-0.01
39) Acenaphthene-d10	14.623	164	66406	20.000	ng	-0.01
64) Phenanthrene-d10	17.372	188	156631	20.000	ng	# 0.00
76) Chrysene-d12	21.638	240	173236	20.000	ng	# 0.00
86) Perylene-d12	24.846	264	154574	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.568	112	8502	7.560	ng	0.00
7) Phenol-d6	7.178	99	10956	7.110	ng	0.00
23) Nitrobenzene-d5	9.153	82	7779	4.900	ng	-0.01
42) 2,4,6-Tribromophenol	16.115	330	9584	6.874	ng	-0.01
45) 2-Fluorobiphenyl	13.242	172	25656	5.450	ng	-0.02
79) Terphenyl-d14	19.975	244	49834	5.707	ng	-0.01
Target Compounds						Qvalue
71) Phenanthrene	17.413	178	46274	5.932	ng	98
75) Fluoranthene	19.423	202	49467	4.652	ng	92
78) Pyrene	19.787	202	86825	8.735	ng	98
81) Benzo(a)anthracene	21.620	228	42758	3.888	ng	# 87
83) Chrysene	21.679	228	48833	4.700	ng	# 89
88) Benzo(b)fluoranthene	23.835	252	35146m	3.845	ng	
90) Benzo(a)pyrene	24.693	252	33444	4.284	ng	# 81
92) Benzo(g,h,i)perylene	29.676	276	19181	2.010	ng	# 70

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

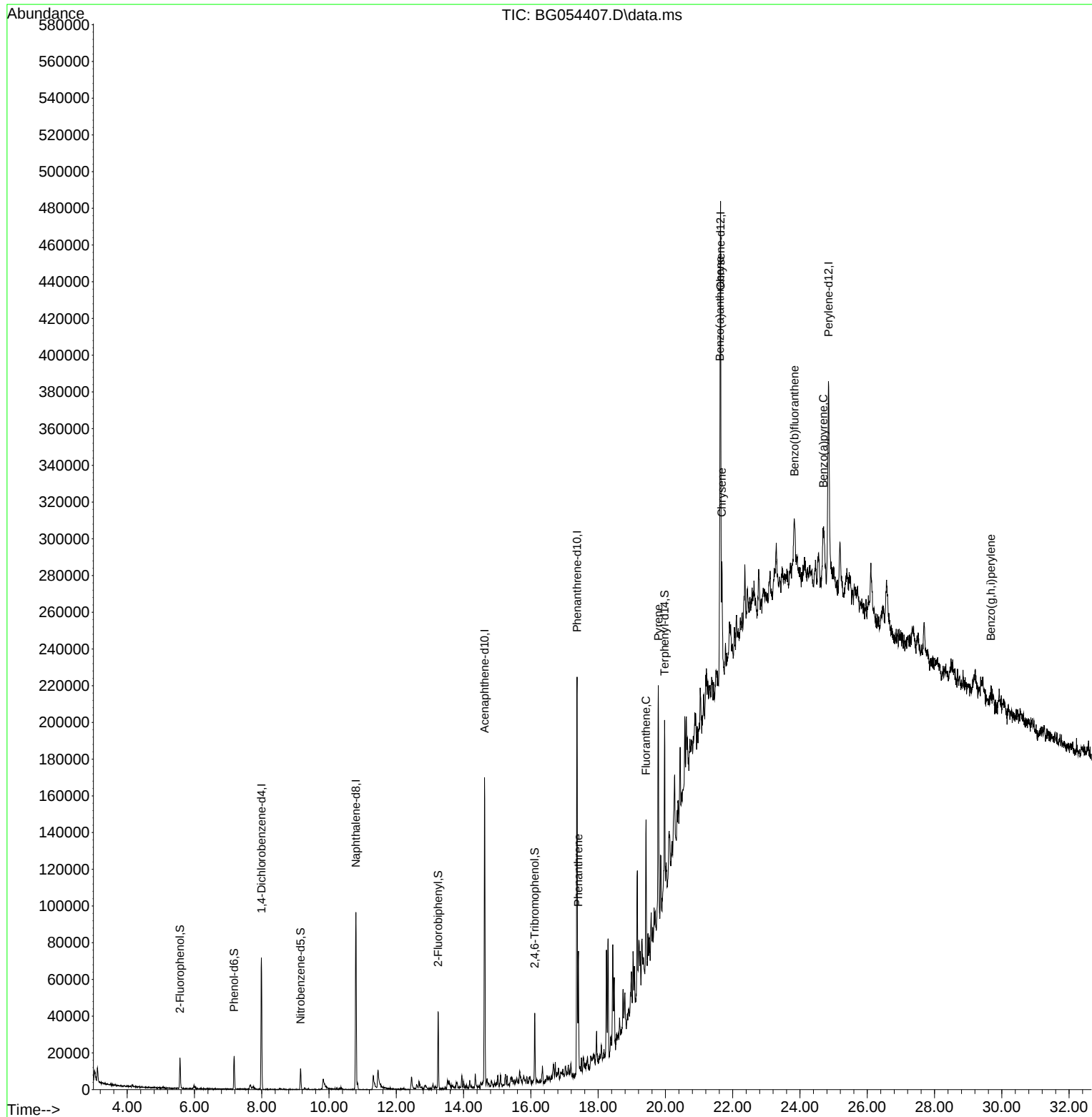
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG072622\
Data File : BG054407.D
Acq On : 26 Jul 2022 21:10
Operator : CG/JU
Sample : N3878-01 10X
Misc :
ALS Vial : 17 Sample Multiplier: 1

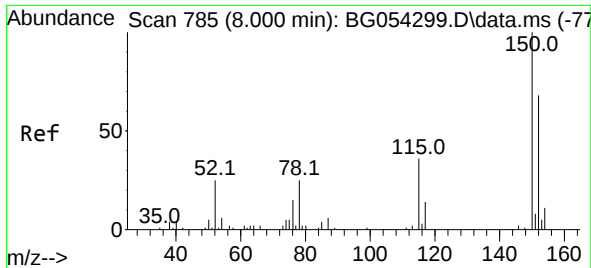
Instrument :
BNA_G
ClientSampleId :
200-E-5TH-ST-DIRT-STONE-ASPHALT

Quant Time: Jul 27 04:34:31 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG071522.M
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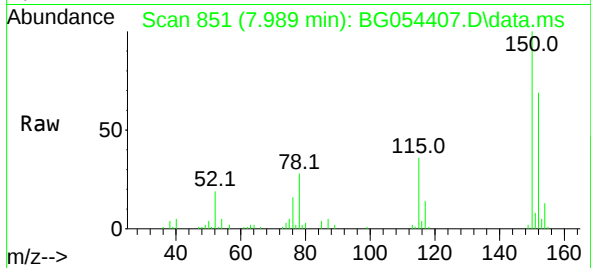
Reviewed By :Christian Giraldo 07/27/2022
Supervised By :Jagrut Upadhyay 07/27/2022





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.989 min Scan# 81
Delta R.T. -0.011 min
Lab File: BG054407.D
Acq: 26 Jul 2022 21:10

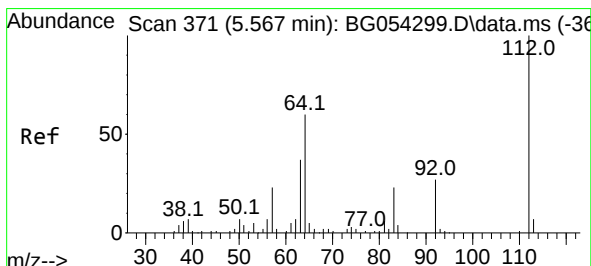
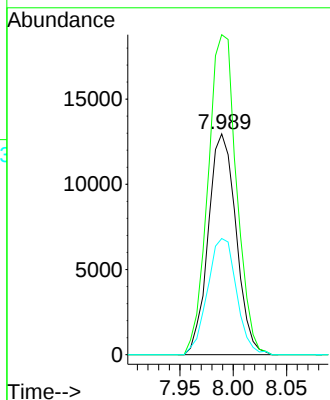
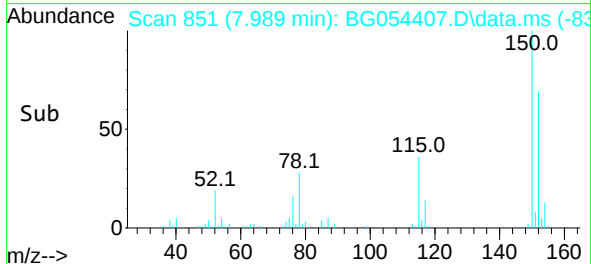
Instrument :
BNA_G
ClientSampleId :
200-E-5TH-ST-DIRT-STONE-ASPHALT



Tgt Ion:152 Resp: 23479
Ion Ratio Lower Upper
152 100
150 145.0 131.6 197.4
115 52.6 50.9 76.3

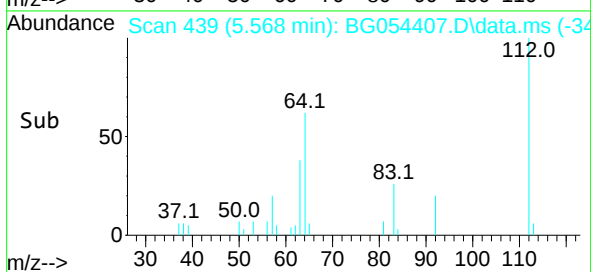
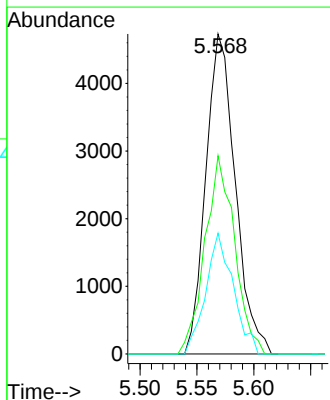
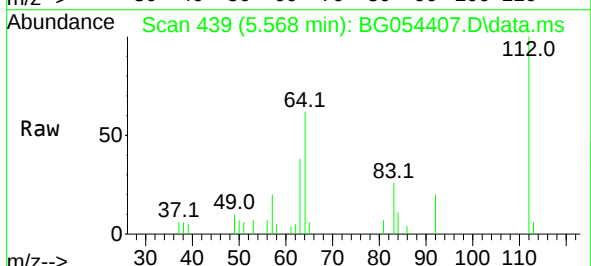
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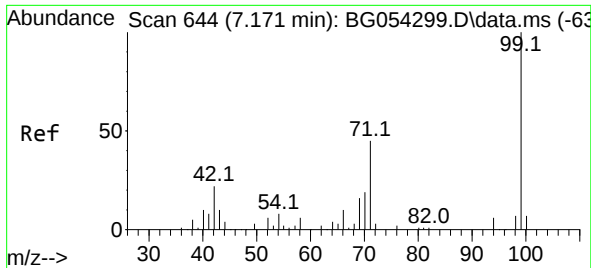
Reviewed By :Christian Giraldo 07/27/2022
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#5
2-Fluorophenol
Concen: 7.560 ng
RT: 5.568 min Scan# 439
Delta R.T. 0.001 min
Lab File: BG054407.D
Acq: 26 Jul 2022 21:10

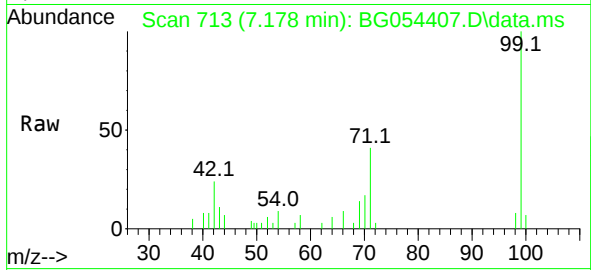
Tgt Ion:112 Resp: 8502
Ion Ratio Lower Upper
112 100
64 61.9 55.1 82.7
63 37.8 30.4 45.6





#7
Phenol-d6
Concen: 7.110 ng
RT: 7.178 min Scan# 71
Delta R.T. 0.007 min
Lab File: BG054407.D
Acq: 26 Jul 2022 21:10

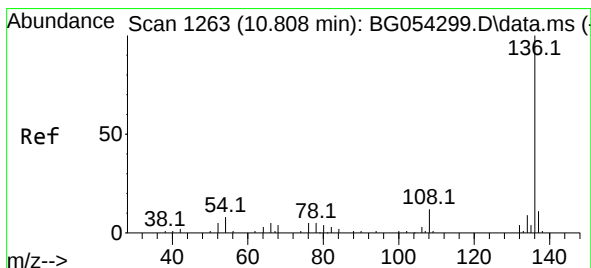
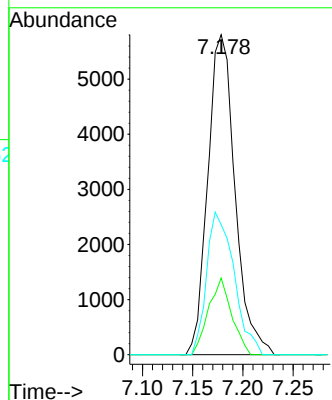
Instrument :
BNA_G
ClientSampleId :
200-E-5TH-ST-DIRT-STONE-ASPHALT



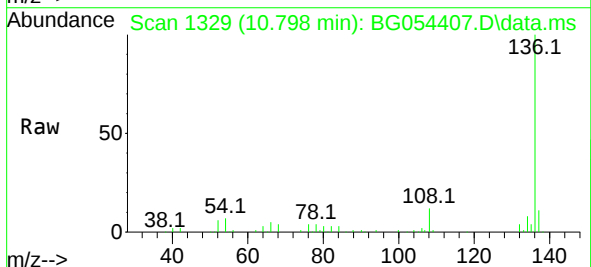
Tgt Ion: 99 Resp: 10950
Ion Ratio Lower Upper
99 100
42 24.0 17.0 25.6
71 40.6 33.8 50.8

Manual Integrations
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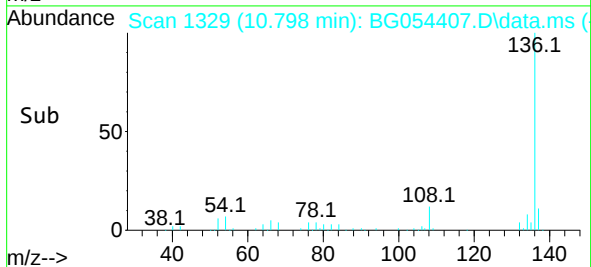
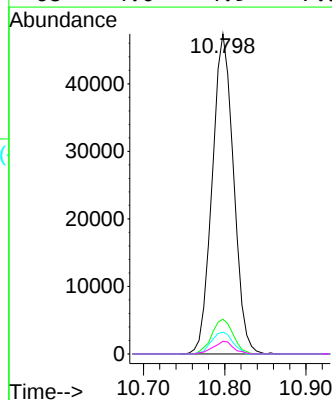
Reviewed By :Christian Giraldo 07/27/2022
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#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.798 min Scan# 1329
Delta R.T. -0.010 min
Lab File: BG054407.D
Acq: 26 Jul 2022 21:10



Tgt Ion:136 Resp: 86462
Ion Ratio Lower Upper
136 100
137 10.9 8.5 12.7
54 6.8 7.4 11.2#
68 4.0 4.9 7.3#





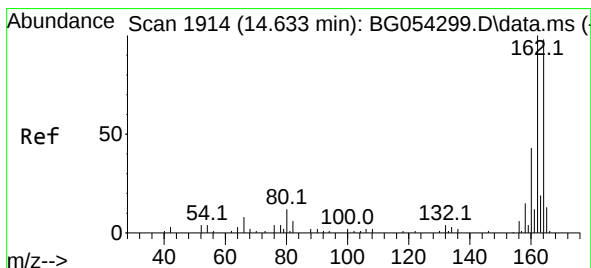
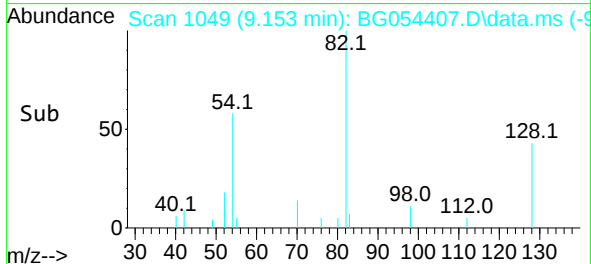
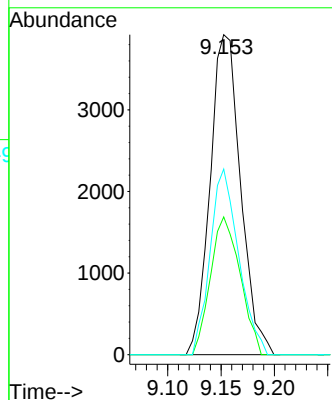
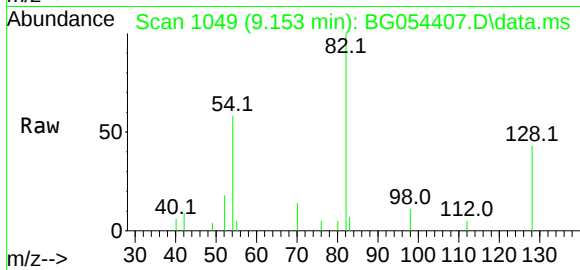
#23
Nitrobenzene-d5
Concen: 4.900 ng
RT: 9.153 min Scan# 1049
Delta R.T. -0.011 min
Lab File: BG054407.D
Acq: 26 Jul 2022 21:10

Instrument : BNA_G
ClientSampleId : 200-E-5TH-ST-DIRT-STONE-ASPHALT

Tgt Ion: 82 Resp: 7779
Ion Ratio Lower Upper
82 100
128 43.1 27.9 41.9
54 58.0 41.2 61.8

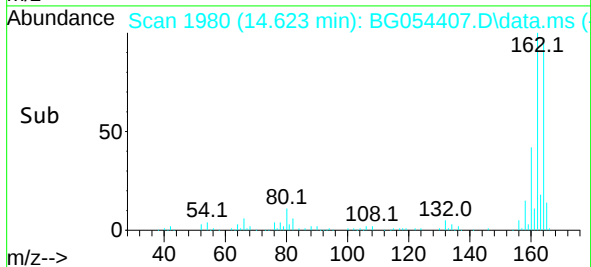
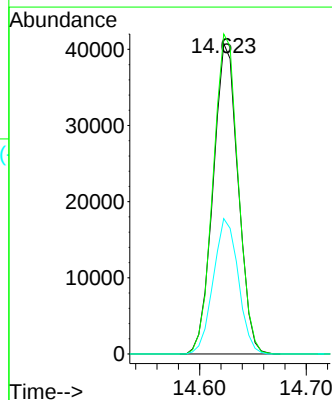
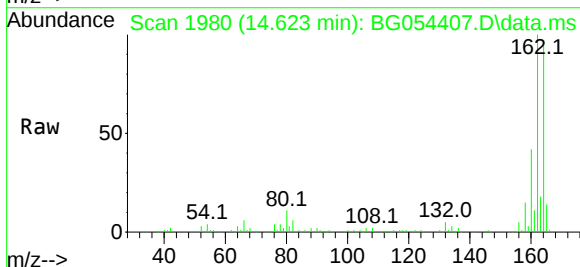
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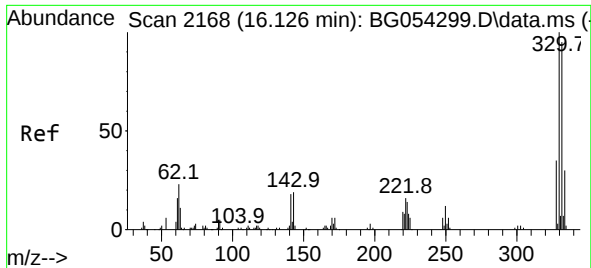
Reviewed By :Christian Giraldo 07/27/2022
Supervised By :Jagrut Upadhyay 07/27/2022



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.623 min Scan# 1980
Delta R.T. -0.010 min
Lab File: BG054407.D
Acq: 26 Jul 2022 21:10

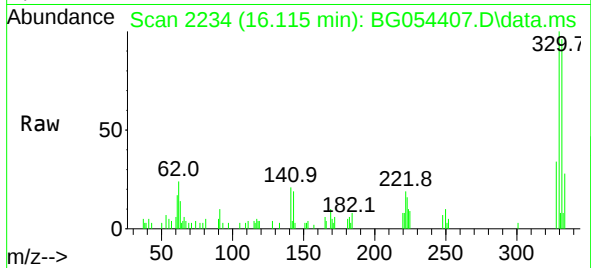
Tgt Ion:164 Resp: 66406
Ion Ratio Lower Upper
164 100
162 103.1 82.3 123.5
160 43.6 34.2 51.2





#42
 2,4,6-Tribromophenol
 Concen: 6.874 ng
 RT: 16.115 min Scan# 2168
 Delta R.T. -0.011 min
 Lab File: BG054407.D
 Acq: 26 Jul 2022 21:10

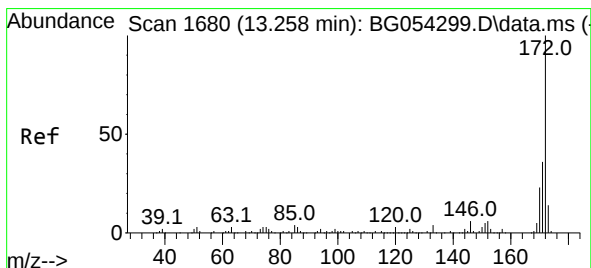
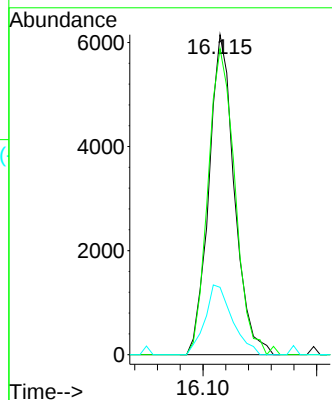
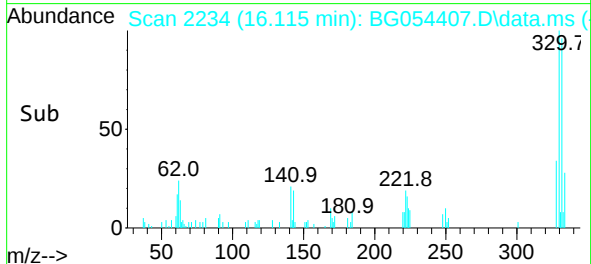
Instrument : BNA_G
 ClientSampleId : 200-E-5TH-ST-DIRT-STONE-ASPHALT



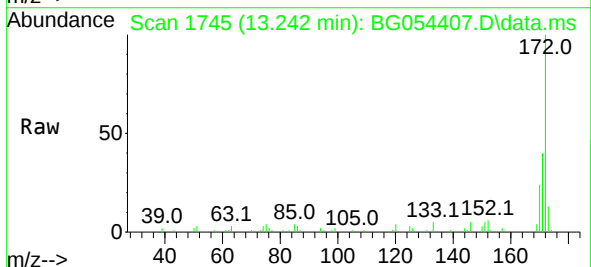
Tgt Ion:330 Resp: 9584
 Ion Ratio Lower Upper
 330 100
 332 100.9 76.0 114.0
 141 23.3 27.1 40.7

Manual Integrations
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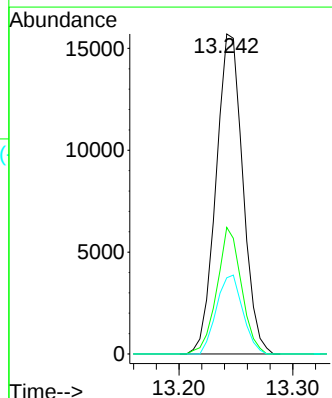
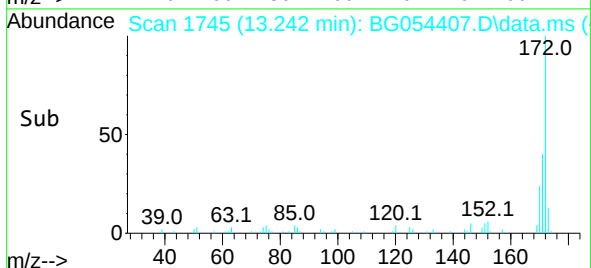
Reviewed By :Christian Giraldo 07/27/2022
 Supervised By :Jagrut Upadhyay 07/27/2022

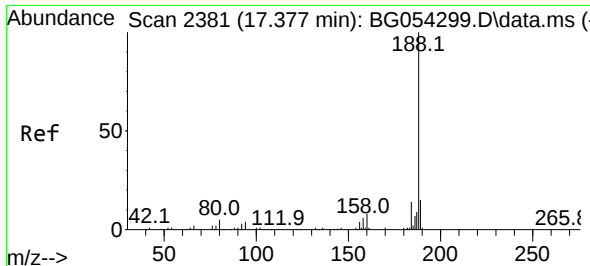


#45
 2-Fluorobiphenyl
 Concen: 5.450 ng
 RT: 13.242 min Scan# 1745
 Delta R.T. -0.017 min
 Lab File: BG054407.D
 Acq: 26 Jul 2022 21:10



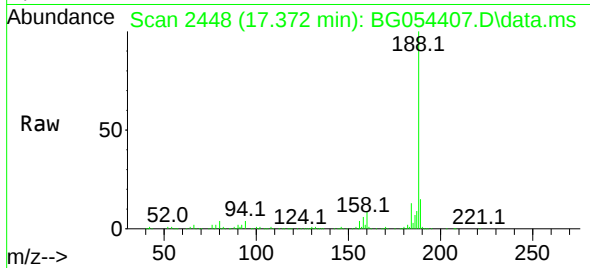
Tgt Ion:172 Resp: 25656
 Ion Ratio Lower Upper
 172 100
 171 39.5 28.5 42.7
 170 23.8 18.9 28.3





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.372 min Scan# 2448
Delta R.T. -0.005 min
Lab File: BG054407.D
Acq: 26 Jul 2022 21:10

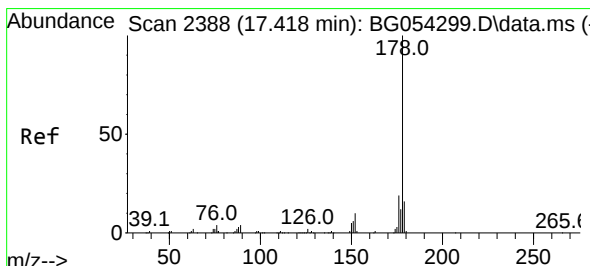
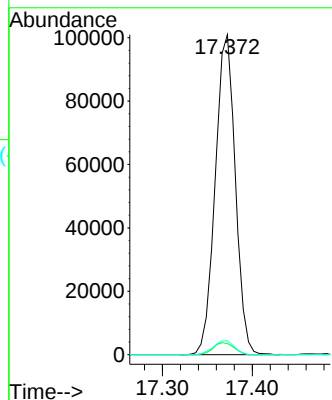
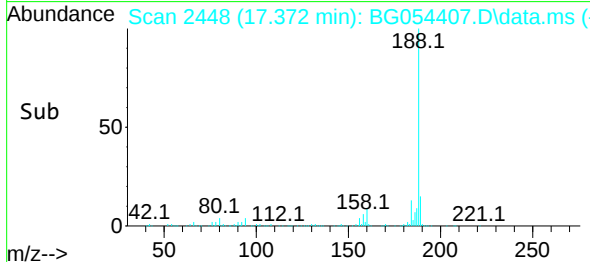
Instrument :
BNA_G
ClientSampleId :
200-E-5TH-ST-DIRT-STONE-ASPHALT



Tgt Ion:188 Resp: 15663
Ion Ratio Lower Upper
188 100
94 3.5 5.4 8.0
80 4.3 6.8 10.2

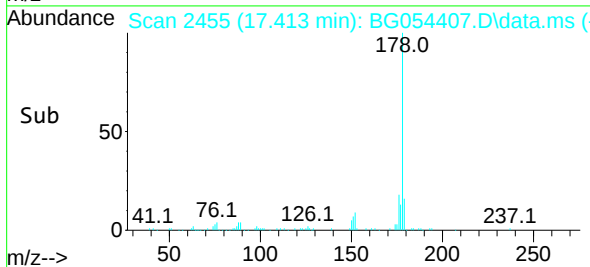
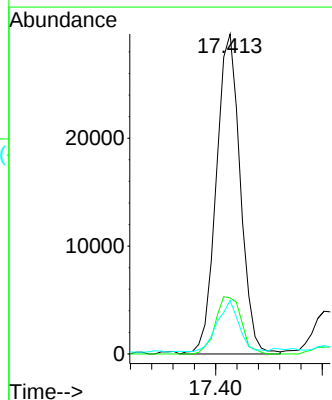
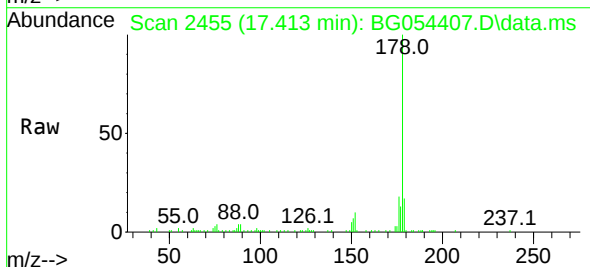
Manual Integrations
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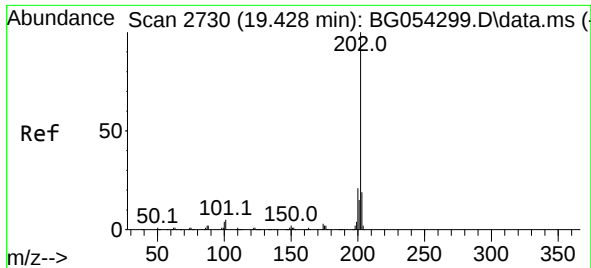
Reviewed By :Christian Giraldo 07/27/2022
Supervised By :Jagrut Upadhyay 07/27/2022



#71
Phenanthrene
Concen: 5.932 ng
RT: 17.413 min Scan# 2455
Delta R.T. -0.005 min
Lab File: BG054407.D
Acq: 26 Jul 2022 21:10

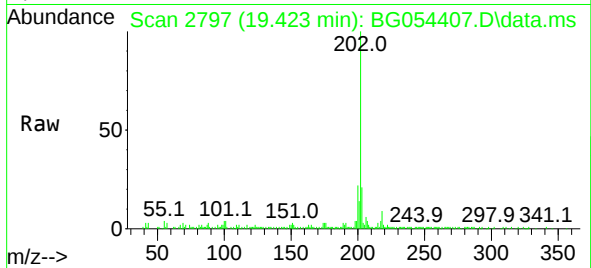
Tgt Ion:178 Resp: 46274
Ion Ratio Lower Upper
178 100
176 17.5 14.1 21.1
179 16.7 12.1 18.1





#75
Fluoranthene
Concen: 4.652 ng
RT: 19.423 min Scan# 21
Delta R.T. -0.005 min
Lab File: BG054407.D
Acq: 26 Jul 2022 21:10

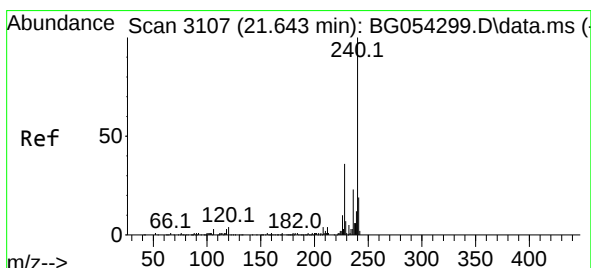
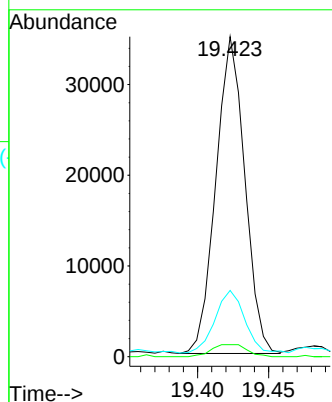
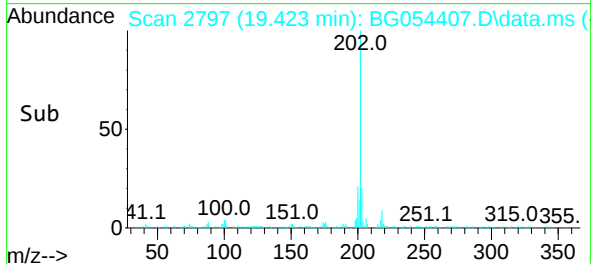
Instrument :
BNA_G
ClientSampleId :
200-E-5TH-ST-DIRT-STONE-ASPHALT



Tgt Ion:202 Resp: 4946
Ion Ratio Lower Upper
202 100
101 3.8 0.0 26.9
203 20.7 0.0 37.2

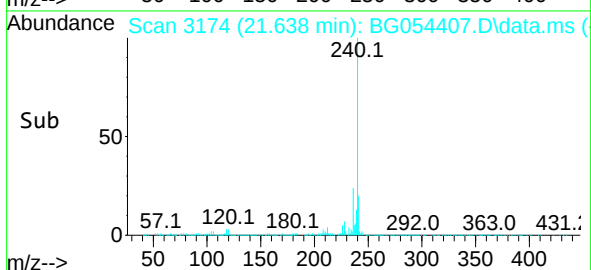
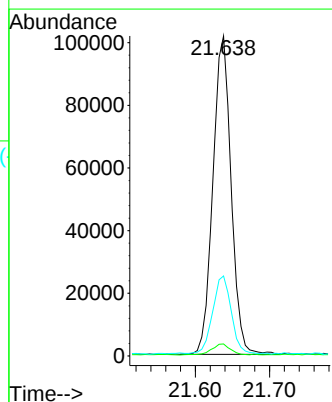
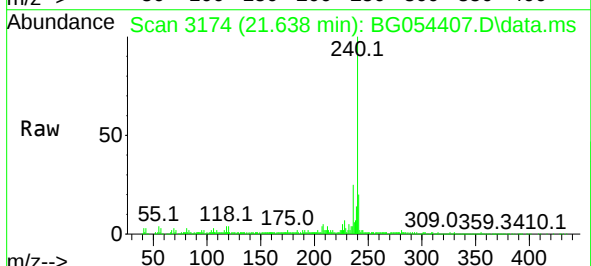
Manual Integrations
APPROVED

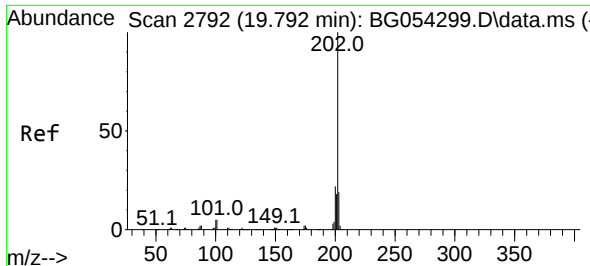
Reviewed By :Christian Giraldo 07/27/2022
Supervised By :Jagrut Upadhyay 07/27/2022



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.638 min Scan# 3174
Delta R.T. -0.005 min
Lab File: BG054407.D
Acq: 26 Jul 2022 21:10

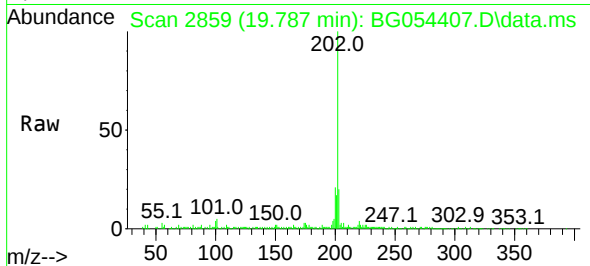
Tgt Ion:240 Resp: 173236
Ion Ratio Lower Upper
240 100
120 3.7 4.6 7.0#
236 25.0 20.2 30.4





#78
Pyrene
Concen: 8.735 ng
RT: 19.787 min Scan# 21
Delta R.T. -0.005 min
Lab File: BG054407.D
Acq: 26 Jul 2022 21:10

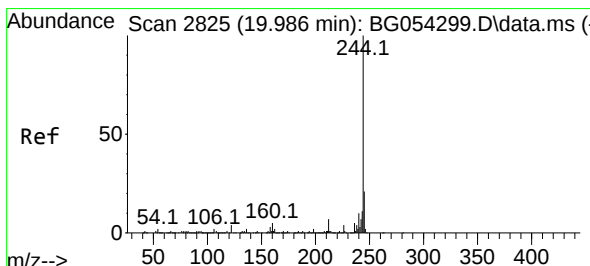
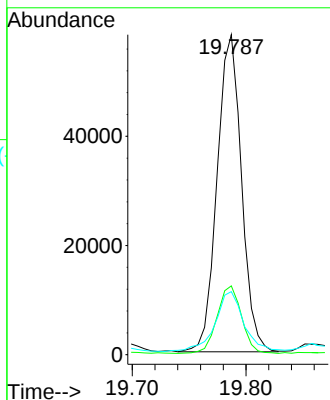
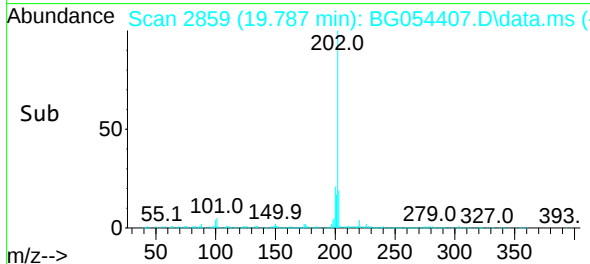
Instrument : BNA_G
ClientSampleId : 200-E-5TH-ST-DIRT-STONE-ASPHALT



Tgt Ion:202 Resp: 8682
Ion Ratio Lower Upper
202 100
200 21.5 16.6 24.8
203 19.7 14.6 21.8

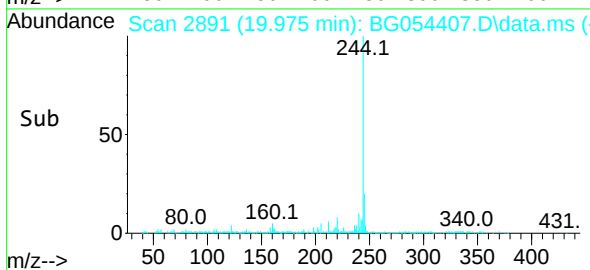
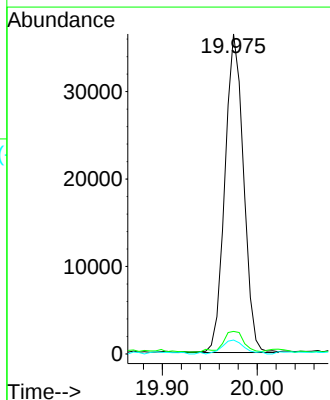
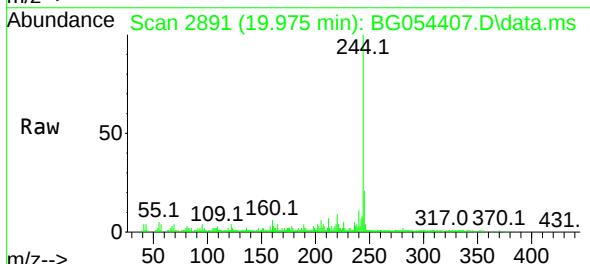
Manual Integrations
APPROVED

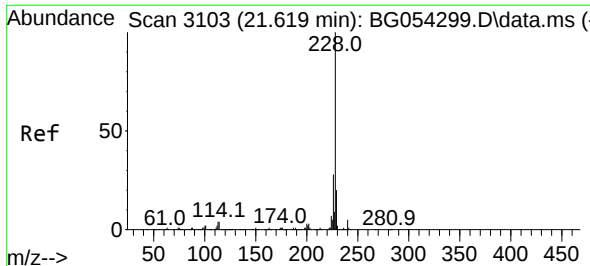
Reviewed By :Christian Giraldo 07/27/2022
Supervised By :Jagrut Upadhyay 07/27/2022



#79
Terphenyl-d14
Concen: 5.707 ng
RT: 19.975 min Scan# 2891
Delta R.T. -0.011 min
Lab File: BG054407.D
Acq: 26 Jul 2022 21:10

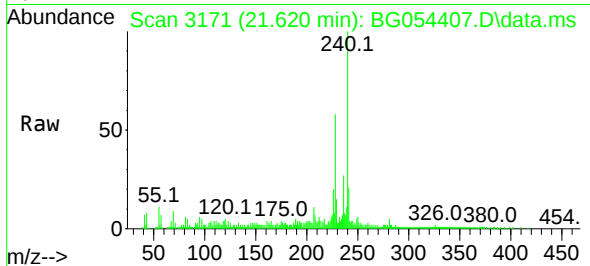
Tgt Ion:244 Resp: 49834
Ion Ratio Lower Upper
244 100
212 7.0 6.5 9.7
122 4.3 5.0 7.4





#81
Benzo(a)anthracene
Concen: 3.888 ng
RT: 21.620 min Scan# 3103
Delta R.T. 0.001 min
Lab File: BG054407.D
Acq: 26 Jul 2022 21:10

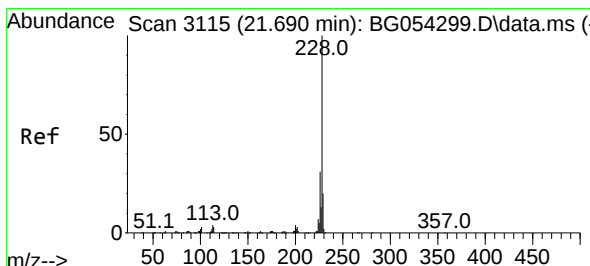
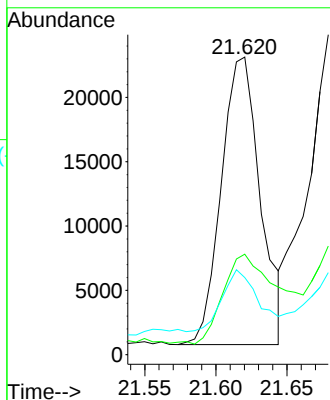
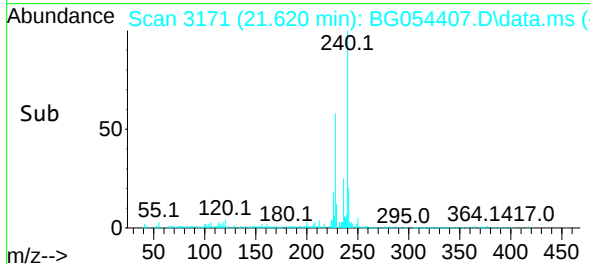
Instrument : BNA_G
ClientSampleId : 200-E-5TH-ST-DIRT-STONE-ASPHALT



Tgt Ion:228 Resp: 42758
Ion Ratio Lower Upper
228 100
226 33.7 21.6 32.4
229 25.9 16.2 24.2

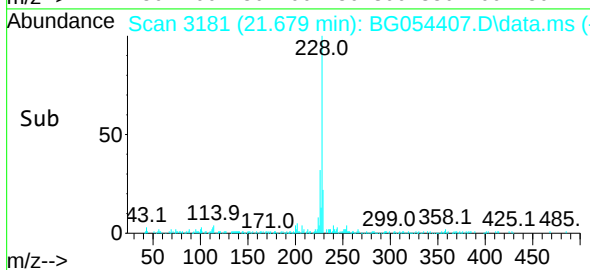
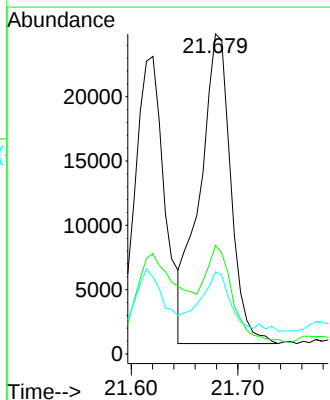
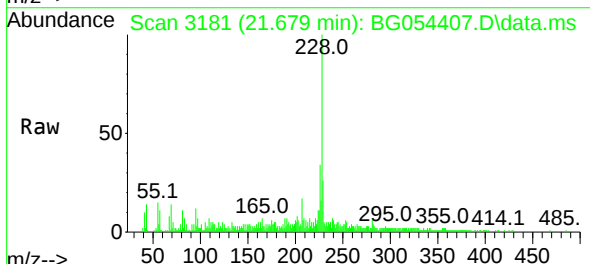
Manual Integrations
APPROVED

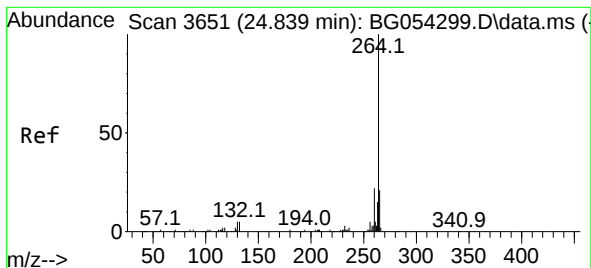
Reviewed By :Christian Giraldo 07/27/2022
Supervised By :Jagrut Upadhyay 07/27/2022



#83
Chrysene
Concen: 4.700 ng
RT: 21.679 min Scan# 3181
Delta R.T. -0.011 min
Lab File: BG054407.D
Acq: 26 Jul 2022 21:10

Tgt Ion:228 Resp: 48833
Ion Ratio Lower Upper
228 100
226 33.9 23.4 35.2
229 25.7 15.5 23.3





#86

Perylene-d12

Concen: 20.000 ng

RT: 24.846 min Scan# 31

Delta R.T. 0.007 min

Lab File: BG054407.D

Acq: 26 Jul 2022 21:10

Instrument :

BNA_G

ClientSampleId :

200-E-5TH-ST-DIRT-STONE-ASPHALT

Tgt Ion:264 Resp: 154574

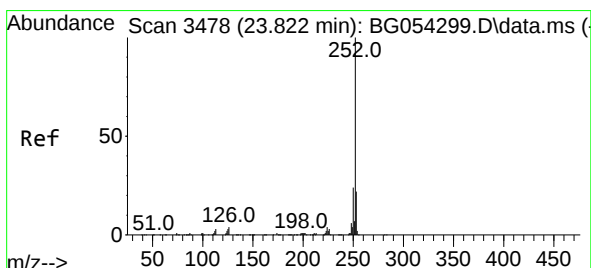
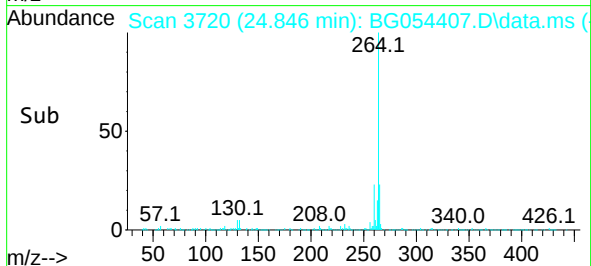
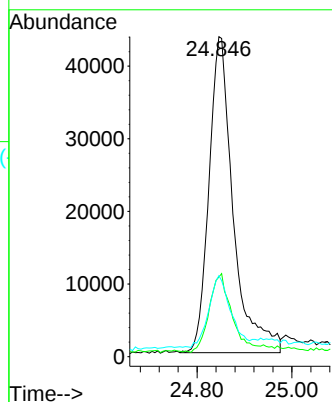
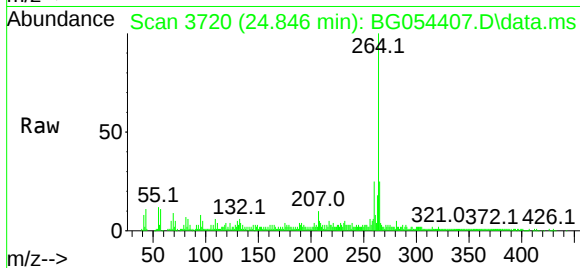
Ion	Ratio	Lower	Upper
264	100		
260	24.9	19.0	28.6
265	25.3	17.4	26.2

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 07/27/2022

Supervised By :Jagrut Upadhyay 07/27/2022



#88

Benzo(b)fluoranthene

Concen: 3.845 ng m

RT: 23.835 min Scan# 3548

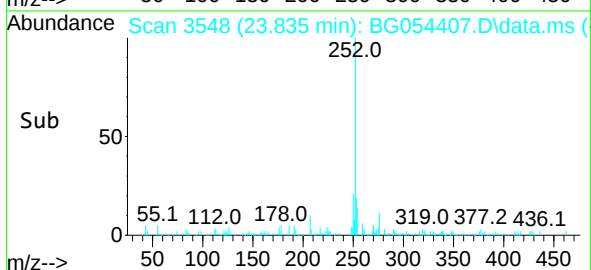
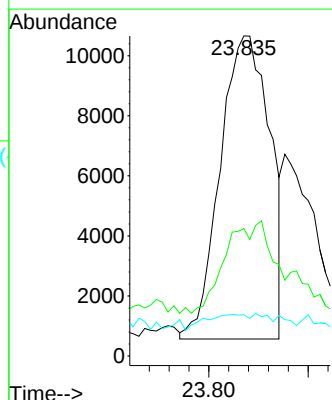
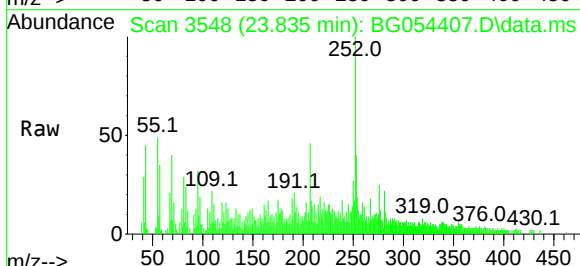
Delta R.T. 0.013 min

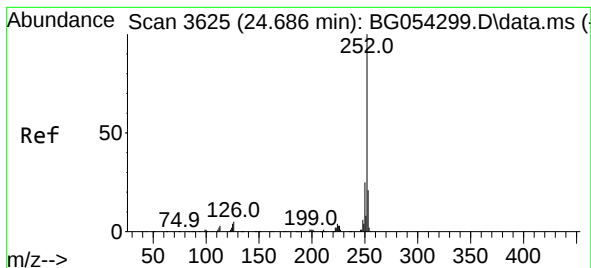
Lab File: BG054407.D

Acq: 26 Jul 2022 21:10

Tgt Ion:252 Resp: 35146

Ion	Ratio	Lower	Upper
252	100		
253	39.8	18.0	27.0#
125	12.9	4.6	6.8#





#90

Benzo(a)pyrene

Concen: 4.284 ng

RT: 24.693 min Scan# 30

Delta R.T. 0.007 min

Lab File: BG054407.D

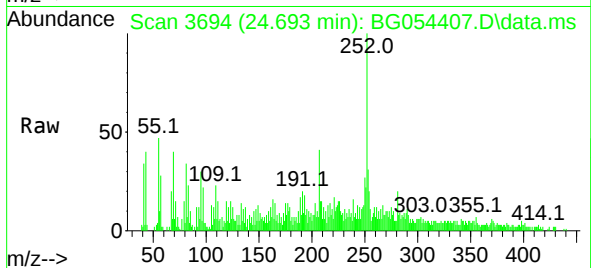
Acq: 26 Jul 2022 21:10

Instrument :

BNA_G

ClientSampleId :

200-E-5TH-ST-DIRT-STONE-ASPHALT



Tgt Ion:252 Resp: 3344

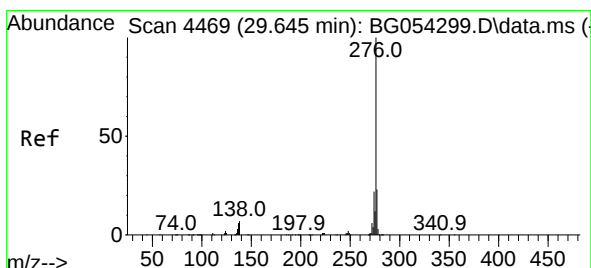
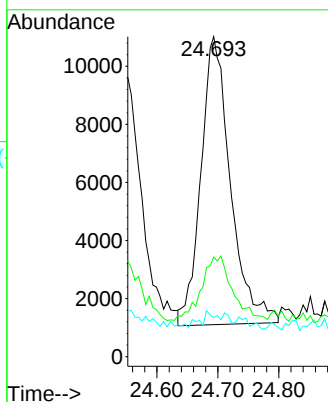
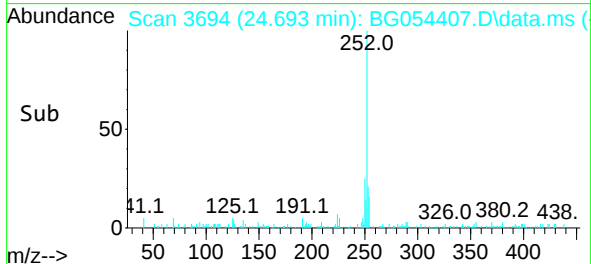
Ion	Ratio	Lower	Upper
252	100		
253	31.1	17.8	26.8
125	12.2	4.3	6.5

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 07/27/2022

Supervised By :Jagrut Upadhyay 07/27/2022



#92

Benzo(g,h,i)perylene

Concen: 2.010 ng

RT: 29.676 min Scan# 4542

Delta R.T. 0.030 min

Lab File: BG054407.D

Acq: 26 Jul 2022 21:10

Tgt Ion:276 Resp: 19181

Ion	Ratio	Lower	Upper
276	100		
277	42.5	17.3	25.9
138	10.7	9.6	14.4

