

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG090922\
 Data File : BG054903.D
 Acq On : 9 Sep 2022 19:08
 Operator : CG/JU
 Sample : N4545-01
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 HR-SOIL-0908

Manual Integrations
 APPROVED

Reviewed By :Christian Giraldo 09/12/2022
 Supervised By :Jagrut Upadhyay 09/12/2022

Quant Time: Sep 10 02:00:46 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG082522.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Sep 10 01:53:42 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.141	152	34076	20.000	ng	0.00
21) Naphthalene-d8	10.967	136	148354	20.000	ng	# 0.00
39) Acenaphthene-d10	14.780	164	109472	20.000	ng	0.00
64) Phenanthrene-d10	17.524	188	239676	20.000	ng	0.00
76) Chrysene-d12	21.819	240	228957	20.000	ng	0.00
86) Perylene-d12	25.192	264	241979	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.685	112	265535	135.694	ng	0.00
7) Phenol-d6	7.301	99	373599	139.602	ng	0.00
23) Nitrobenzene-d5	9.316	82	219766	77.766	ng	0.00
42) 2,4,6-Tribromophenol	16.267	330	186867	136.606	ng	0.00
45) 2-Fluorobiphenyl	13.399	172	595548	81.767	ng	0.00
79) Terphenyl-d14	20.121	244	933157	80.755	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	17.565	178	51828	4.059	ng	98
75) Fluoranthene	19.575	202	87497	5.633	ng	95
78) Pyrene	19.939	202	79669	4.990	ng	98
81) Benzo(a)anthracene	21.795	228	40862	2.632	ng	100
83) Chrysene	21.866	228	40478m	2.727	ng	
84) Bis(2-ethylhexyl)phtha...	21.672	149	46625	4.860	ng	99
88) Benzo(b)fluoranthene	24.122	252	46990	3.096	ng	# 97
90) Benzo(a)pyrene	25.033	252	33845	2.610	ng	99

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

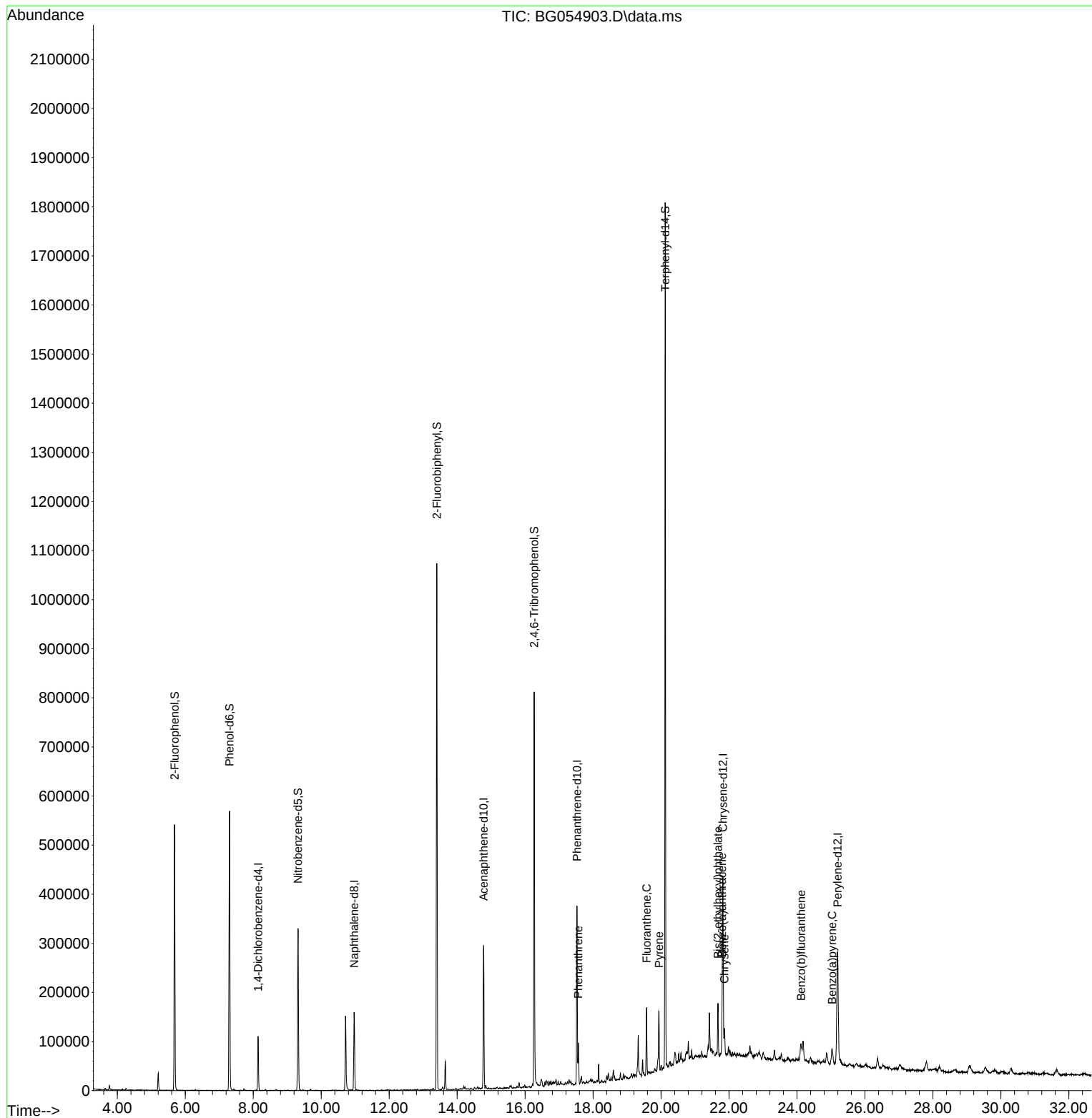
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG090922\
Data File : BG054903.D
Acq On : 9 Sep 2022 19:08
Operator : CG/JU
Sample : N4545-01
Misc :
ALS Vial : 11 Sample Multiplier: 1

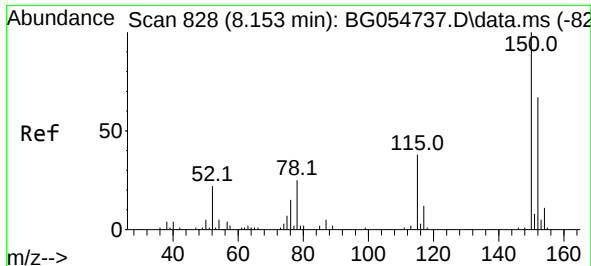
Instrument :
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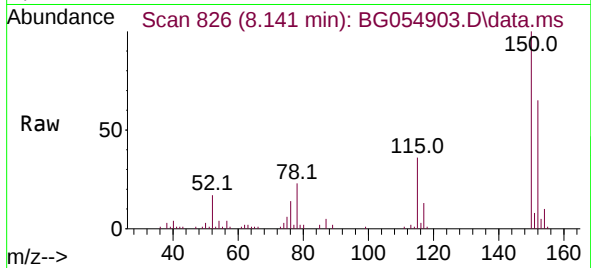
Reviewed By : Christian Giraldo 09/12/2022
Supervised By : Jagrut Upadhyay 09/12/2022





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.141 min Scan# 81
Delta R.T. -0.005 min
Lab File: BG054903.D
Acq: 9 Sep 2022 19:08

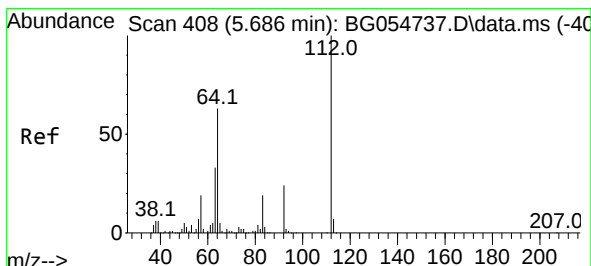
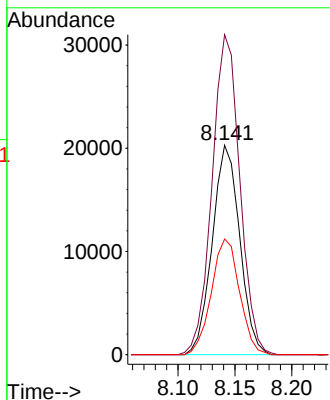
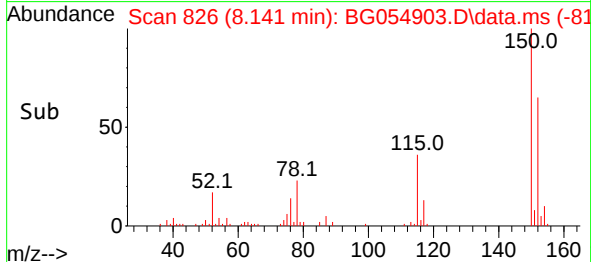
Instrument :
BNA_G
ClientSampleId :
HR-SOIL-0908



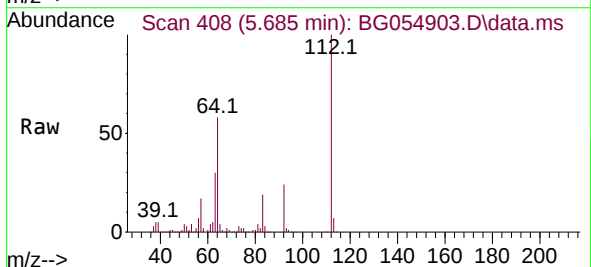
Tgt Ion:152 Resp: 34076
Ion Ratio Lower Upper
152 100
150 152.9 125.2 187.8
115 55.2 47.9 71.9

Manual Integrations
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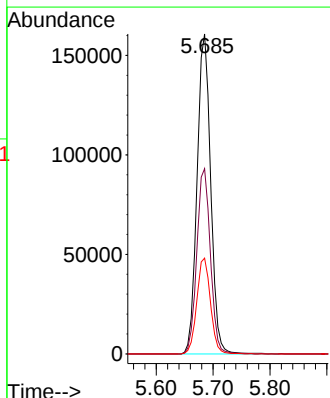
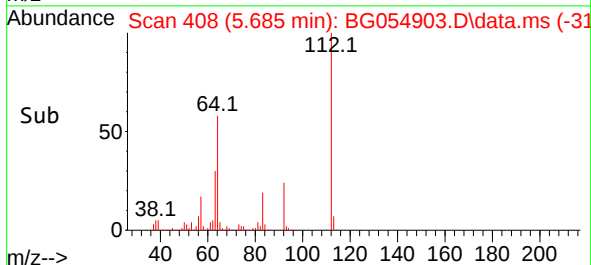
Reviewed By :Christian Giraldo 09/12/2022
Supervised By :Jagrut Upadhyay 09/12/2022

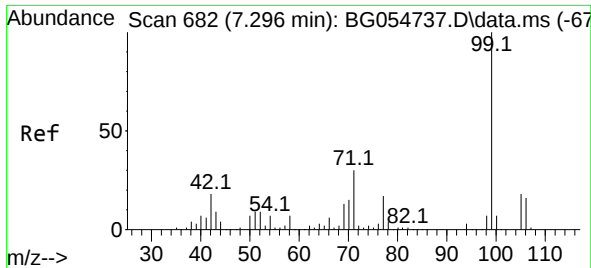


#5
2-Fluorophenol
Concen: 135.694 ng
RT: 5.685 min Scan# 408
Delta R.T. 0.001 min
Lab File: BG054903.D
Acq: 9 Sep 2022 19:08



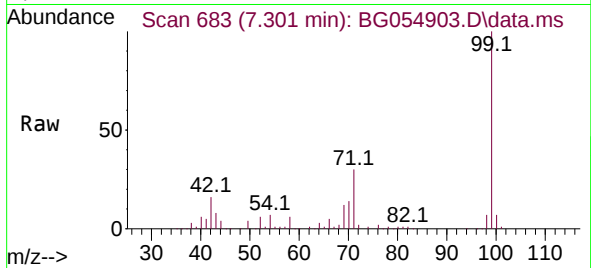
Tgt Ion:112 Resp: 265535
Ion Ratio Lower Upper
112 100
64 57.9 49.3 73.9
63 29.9 26.3 39.5





#7
Phenol-d6
Concen: 139.602 ng
RT: 7.301 min Scan# 682
Delta R.T. 0.001 min
Lab File: BG054903.D
Acq: 9 Sep 2022 19:08

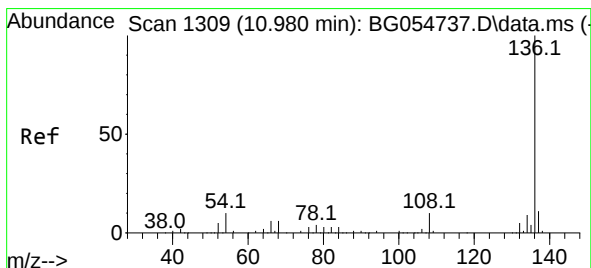
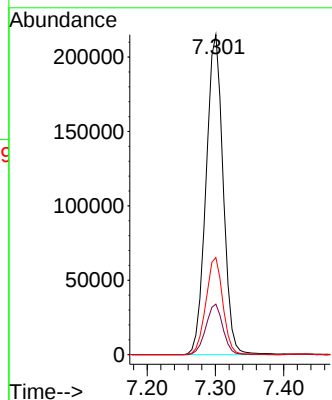
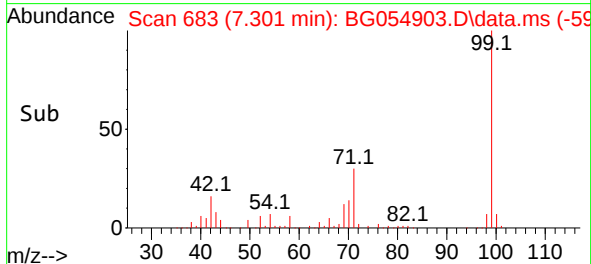
Instrument :
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ClientSampleId :
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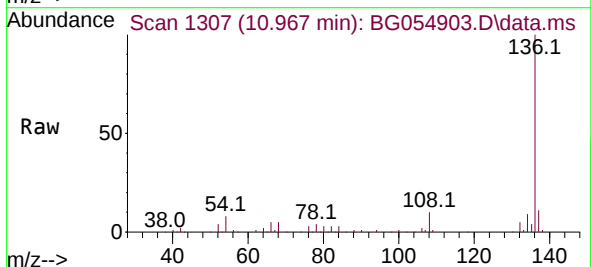
Tgt Ion: 99 Resp: 37359
Ion Ratio Lower Upper
99 100
42 15.8 14.6 22.0
71 30.3 24.6 37.0

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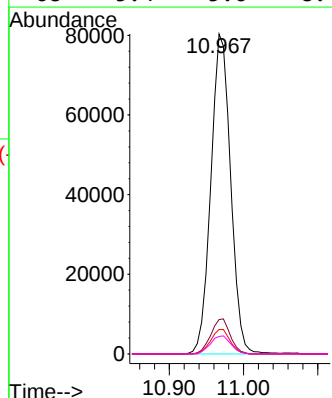
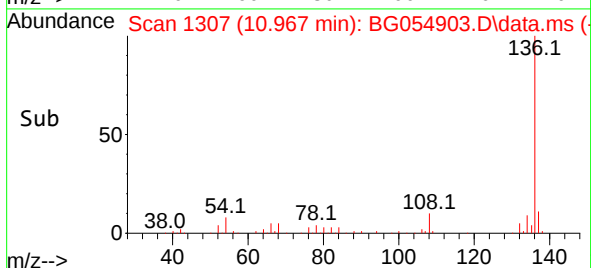
Reviewed By :Christian Giraldo 09/12/2022
Supervised By :Jagrut Upadhyay 09/12/2022

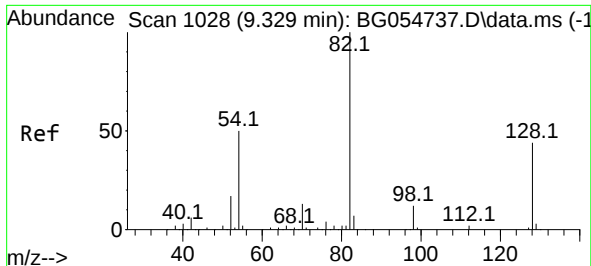


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.967 min Scan# 1307
Delta R.T. -0.005 min
Lab File: BG054903.D
Acq: 9 Sep 2022 19:08



Tgt Ion:136 Resp: 148354
Ion Ratio Lower Upper
136 100
137 10.7 9.2 13.8
54 7.6 7.7 11.5#
68 5.4 5.6 8.4#





#23

Nitrobenzene-d5

Concen: 77.766 ng

RT: 9.316 min Scan# 1026

Delta R.T. -0.005 min

Lab File: BG054903.D

Acq: 9 Sep 2022 19:08

Instrument :

BNA_G

ClientSampleId :

HR-SOIL-0908

Tgt Ion: 82 Resp: 219766

Ion Ratio Lower Upper

82 100

128 44.8 32.2 48.2

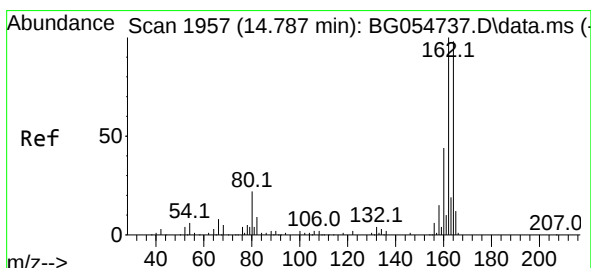
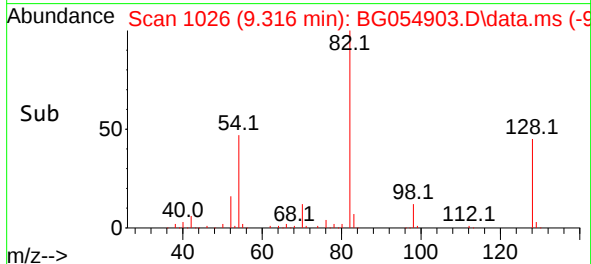
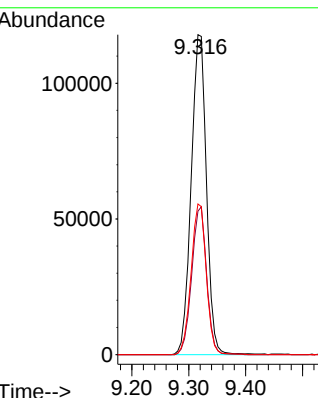
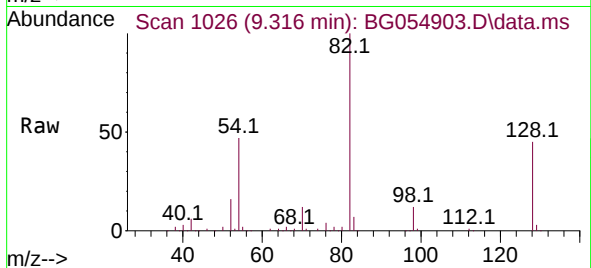
54 47.1 41.4 62.0

Manual Integrations

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#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.780 min Scan# 1956

Delta R.T. 0.001 min

Lab File: BG054903.D

Acq: 9 Sep 2022 19:08

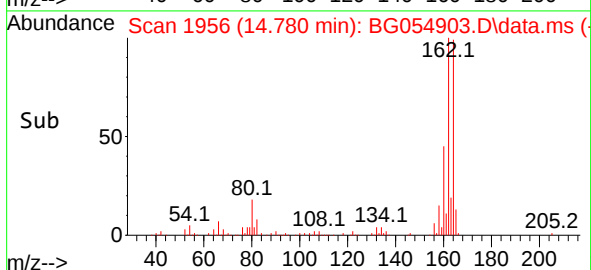
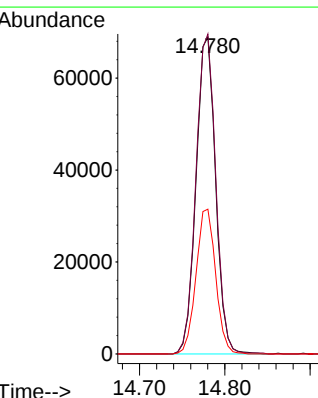
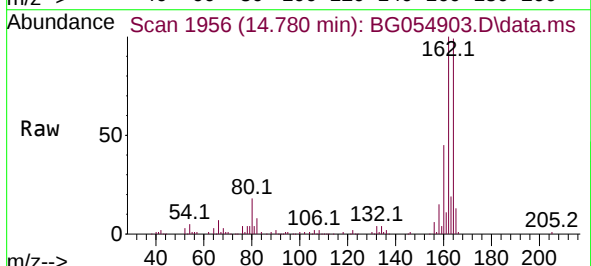
Tgt Ion:164 Resp: 109472

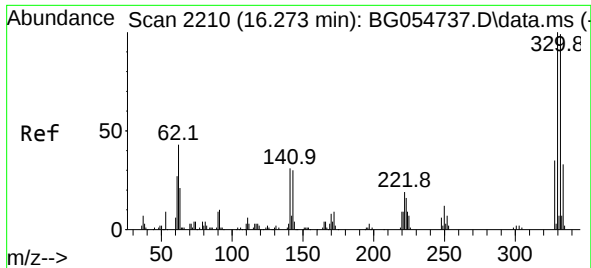
Ion Ratio Lower Upper

164 100

162 101.1 83.0 124.4

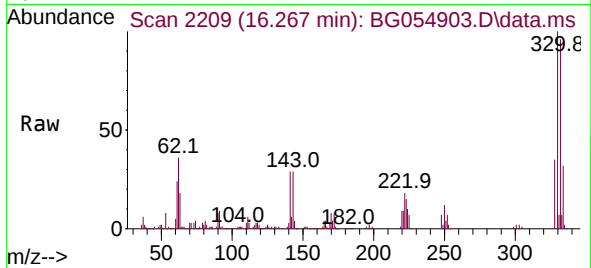
160 45.7 38.0 57.0





#42
2,4,6-Tribromophenol
Concen: 136.606 ng
RT: 16.267 min Scan# 211
Delta R.T. -0.005 min
Lab File: BG054903.D
Acq: 9 Sep 2022 19:08

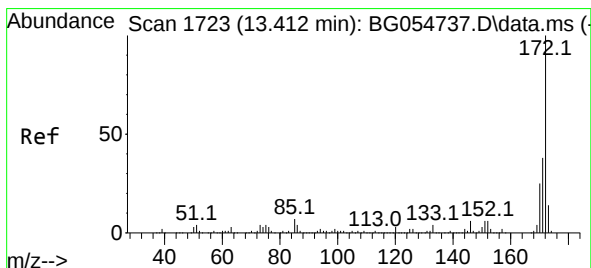
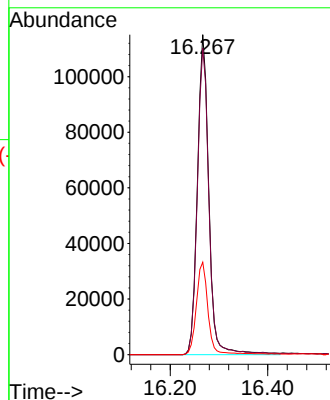
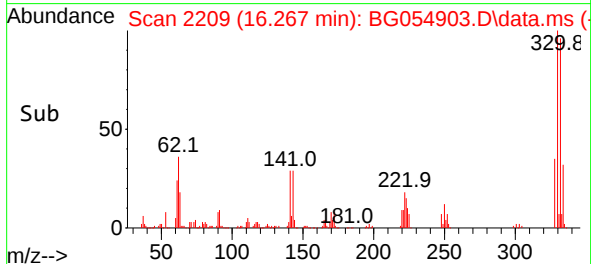
Instrument :
BNA_G
ClientSampleId :
HR-SOIL-0908



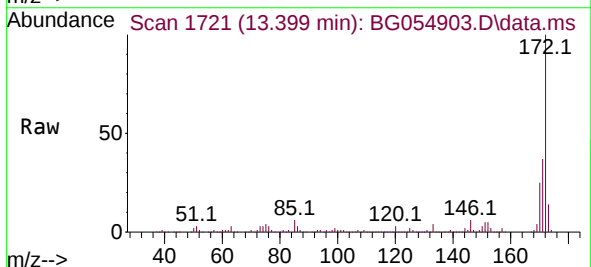
Tgt Ion:330 Resp: 186862
Ion Ratio Lower Upper
330 100
332 96.2 79.8 119.6
141 29.5 26.8 40.2

Manual Integrations
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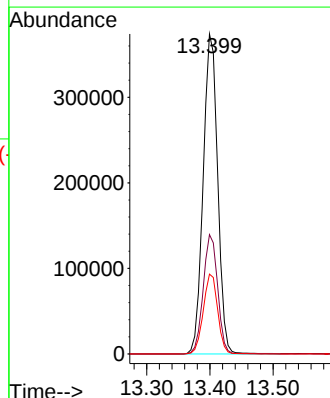
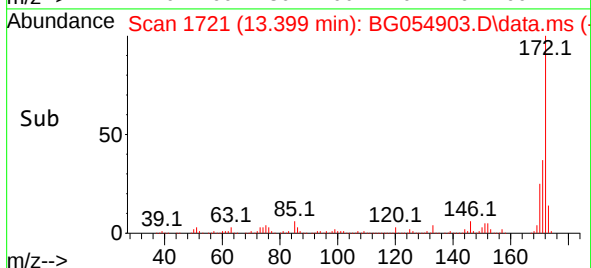
Reviewed By :Christian Giraldo 09/12/2022
Supervised By :Jagrut Upadhyay 09/12/2022

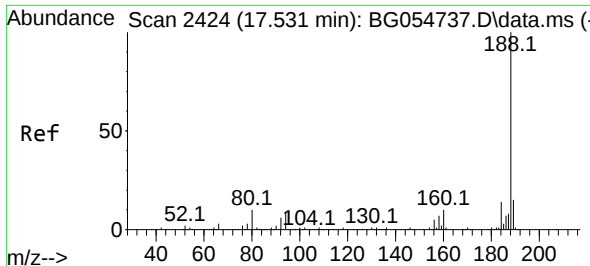


#45
2-Fluorobiphenyl
Concen: 81.767 ng
RT: 13.399 min Scan# 1721
Delta R.T. -0.005 min
Lab File: BG054903.D
Acq: 9 Sep 2022 19:08



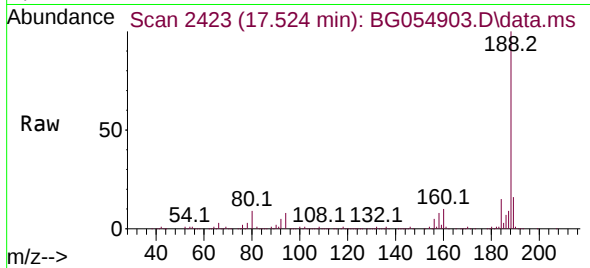
Tgt Ion:172 Resp: 595548
Ion Ratio Lower Upper
172 100
171 37.3 31.2 46.8
170 24.9 20.6 30.8





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.524 min Scan# 24
Delta R.T. -0.005 min
Lab File: BG054903.D
Acq: 9 Sep 2022 19:08

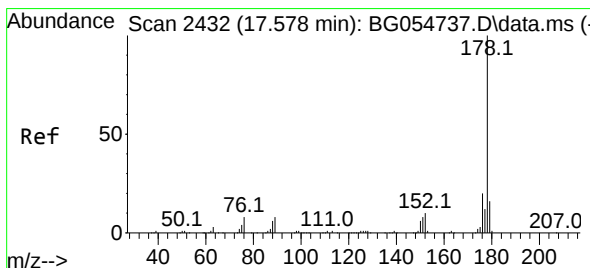
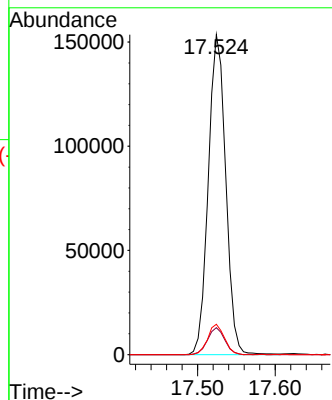
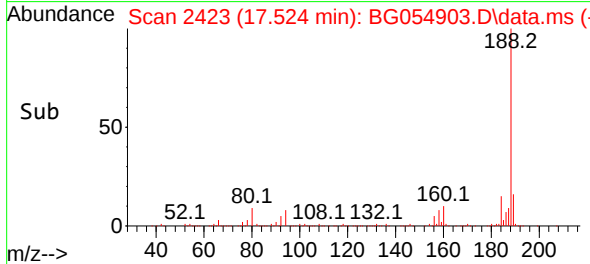
Instrument :
BNA_G
ClientSampleId :
HR-SOIL-0908



Tgt Ion:188 Resp: 239676
Ion Ratio Lower Upper
188 100
94 8.4 7.0 10.4
80 9.5 7.9 11.9

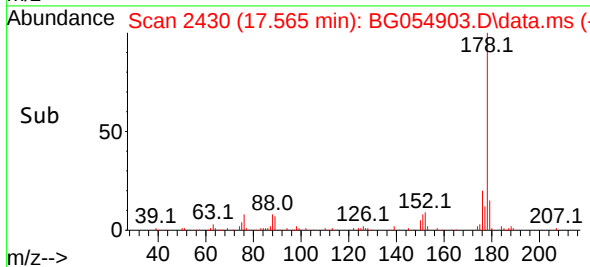
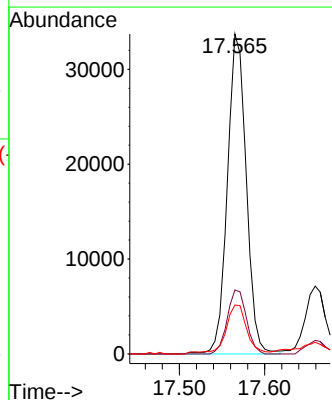
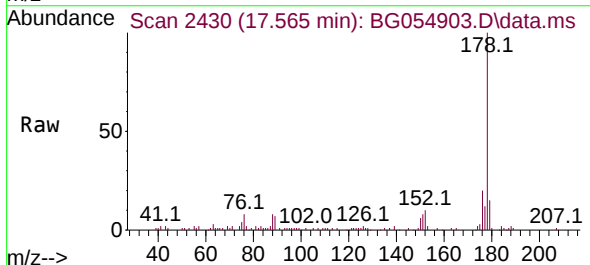
Manual Integrations
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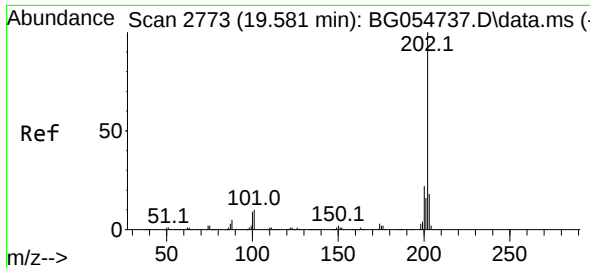
Reviewed By :Christian Giraldo 09/12/2022
Supervised By :Jagrut Upadhyay 09/12/2022



#71
Phenanthrene
Concen: 4.059 ng
RT: 17.565 min Scan# 2430
Delta R.T. -0.005 min
Lab File: BG054903.D
Acq: 9 Sep 2022 19:08

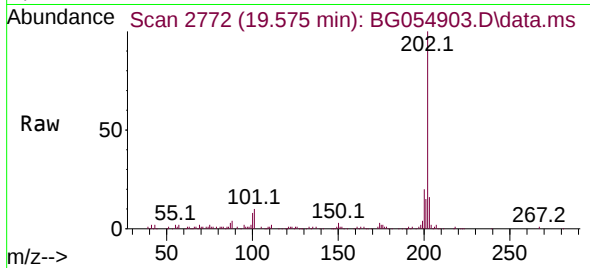
Tgt Ion:178 Resp: 51828
Ion Ratio Lower Upper
178 100
176 20.0 16.6 25.0
179 15.3 12.8 19.2





#75
Fluoranthene
Concen: 5.633 ng
RT: 19.575 min Scan# 21
Delta R.T. -0.005 min
Lab File: BG054903.D
Acq: 9 Sep 2022 19:08

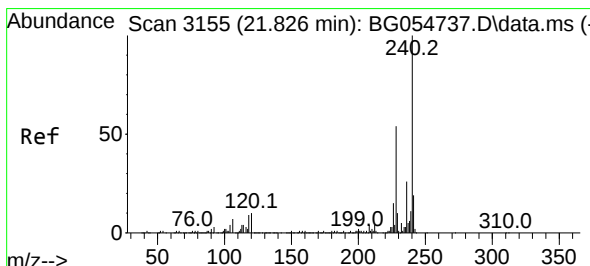
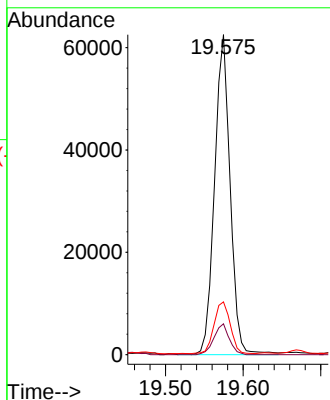
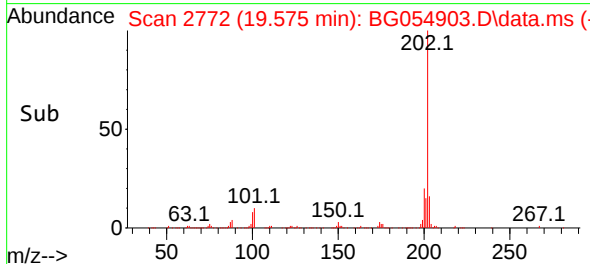
Instrument :
BNA_G
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HR-SOIL-0908



Tgt Ion:202 Resp: 87497
Ion Ratio Lower Upper
202 100
101 9.6 0.0 31.4
203 16.5 0.0 38.6

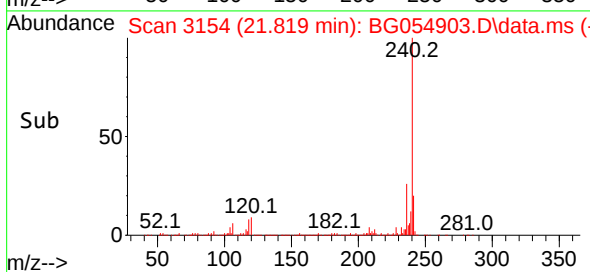
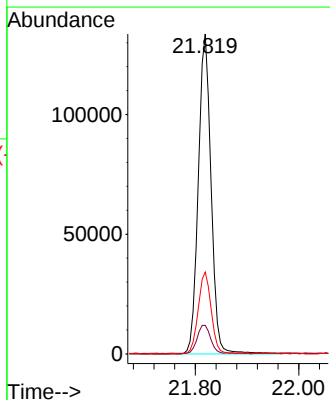
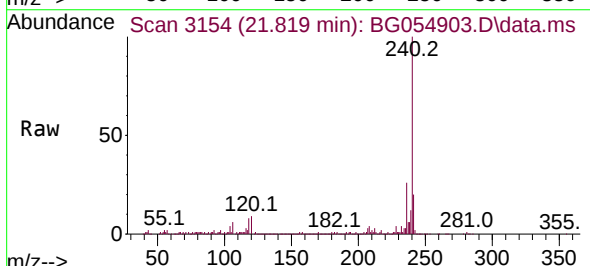
Manual Integrations
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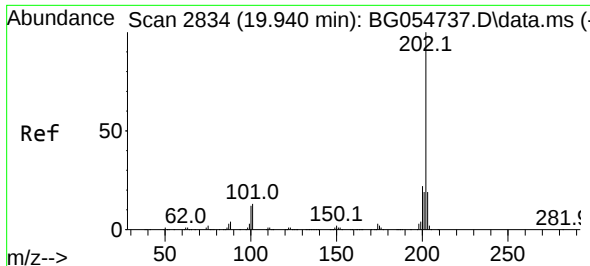
Reviewed By :Christian Giraldo 09/12/2022
Supervised By :Jagrut Upadhyay 09/12/2022



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.819 min Scan# 3154
Delta R.T. -0.005 min
Lab File: BG054903.D
Acq: 9 Sep 2022 19:08

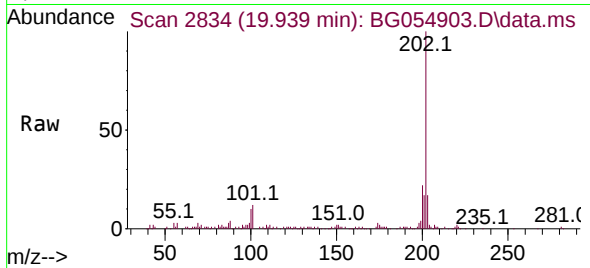
Tgt Ion:240 Resp: 228957
Ion Ratio Lower Upper
240 100
120 8.9 8.2 12.4
236 25.6 21.2 31.8





#78
Pyrene
Concen: 4.990 ng
RT: 19.939 min Scan# 2834
Delta R.T. 0.001 min
Lab File: BG054903.D
Acq: 9 Sep 2022 19:08

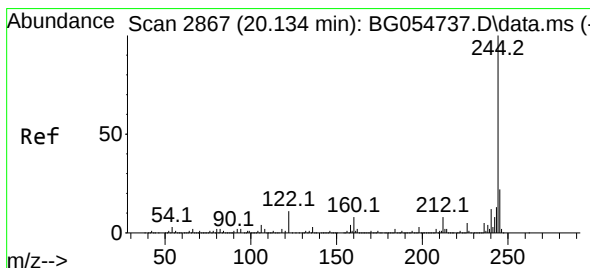
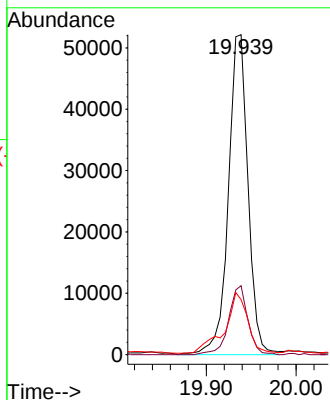
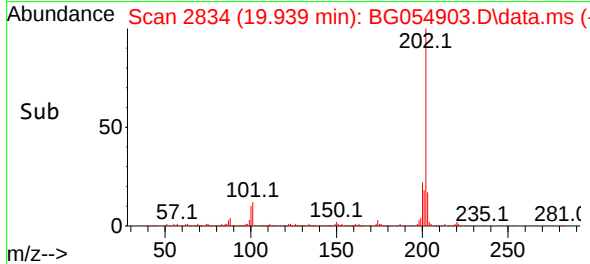
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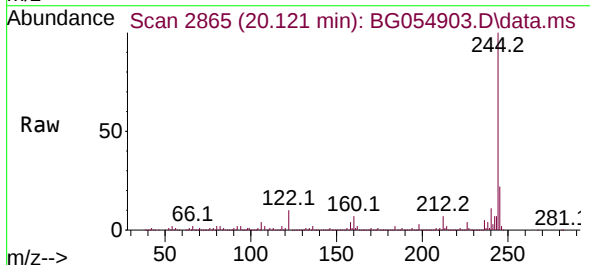
Tgt Ion:202 Resp: 79669
Ion Ratio Lower Upper
202 100
200 21.5 17.8 26.6
203 17.2 14.6 21.8

Manual Integrations
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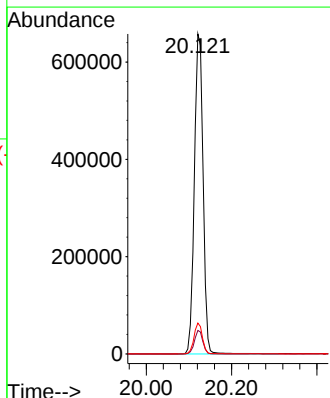
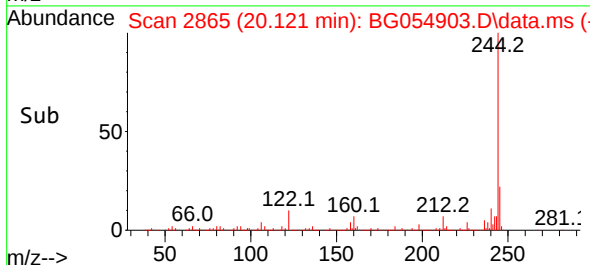
Reviewed By :Christian Giraldo 09/12/2022
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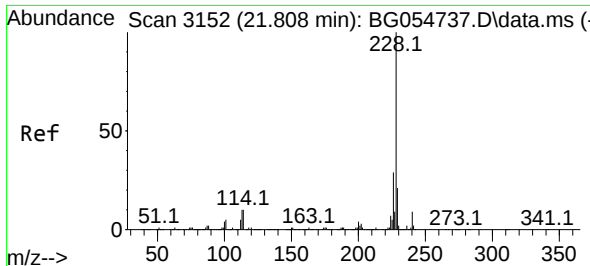


#79
Terphenyl-d14
Concen: 80.755 ng
RT: 20.121 min Scan# 2865
Delta R.T. -0.005 min
Lab File: BG054903.D
Acq: 9 Sep 2022 19:08



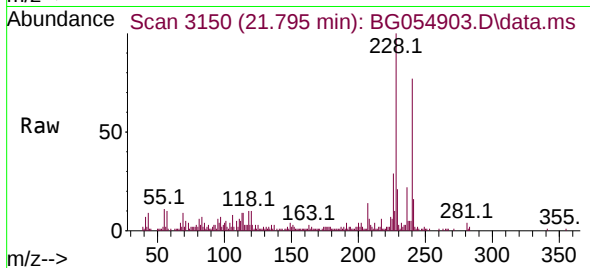
Tgt Ion:244 Resp: 933157
Ion Ratio Lower Upper
244 100
212 7.3 6.2 9.2
122 9.6 9.0 13.6





#81
Benzo(a)anthracene
Concen: 2.632 ng
RT: 21.795 min Scan# 3152
Delta R.T. -0.011 min
Lab File: BG054903.D
Acq: 9 Sep 2022 19:08

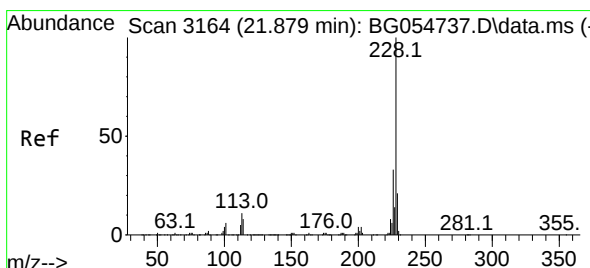
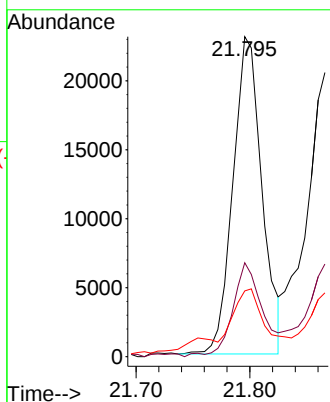
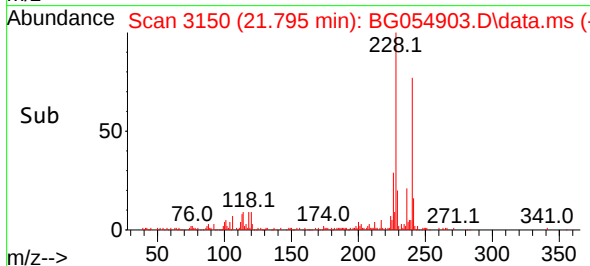
Instrument :
BNA_G
ClientSampleId :
HR-SOIL-0908



Tgt Ion:228 Resp: 40862
Ion Ratio Lower Upper
228 100
226 29.3 23.4 35.2
229 20.5 16.5 24.7

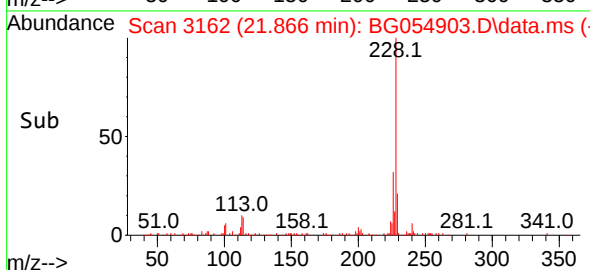
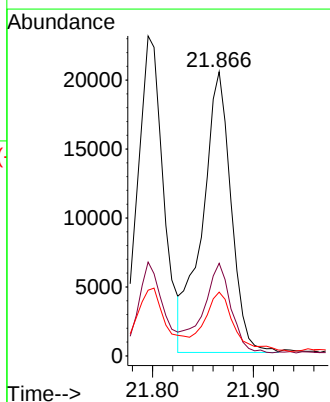
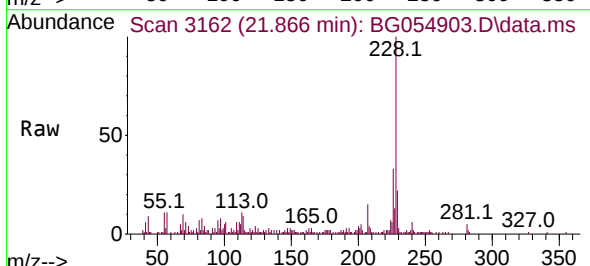
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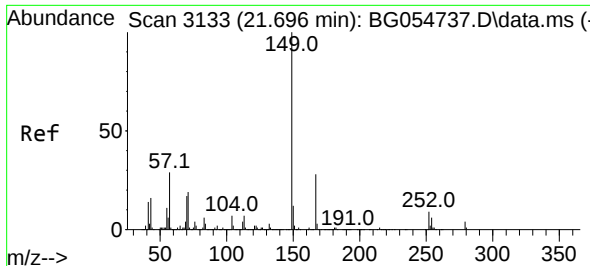
Reviewed By :Christian Giraldo 09/12/2022
Supervised By :Jagrut Upadhyay 09/12/2022



#83
Chrysene
Concen: 2.727 ng m
RT: 21.866 min Scan# 3162
Delta R.T. -0.005 min
Lab File: BG054903.D
Acq: 9 Sep 2022 19:08

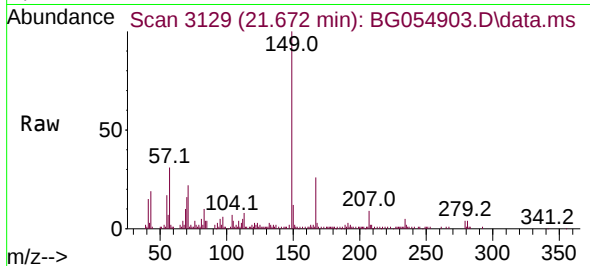
Tgt Ion:228 Resp: 40478
Ion Ratio Lower Upper
228 100
226 32.6 25.5 38.3
229 22.5 16.8 25.2





#84
Bis(2-ethylhexyl)phthalate
Concen: 4.860 ng
RT: 21.672 min Scan# 3133
Delta R.T. -0.005 min
Lab File: BG054903.D
Acq: 9 Sep 2022 19:08

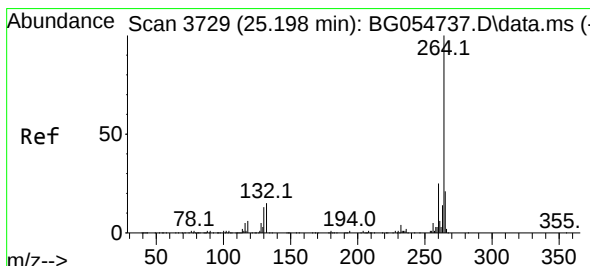
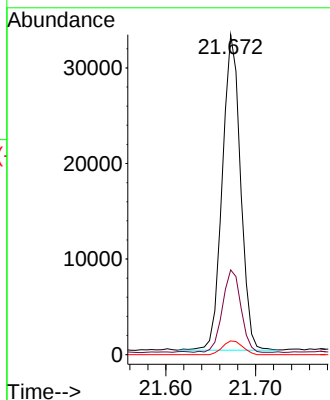
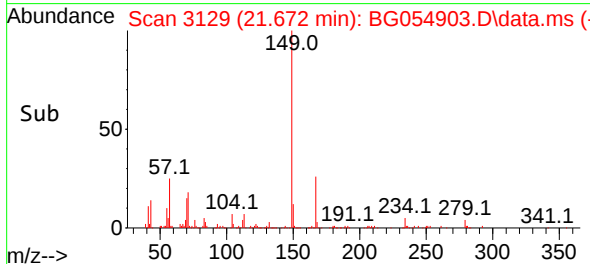
Instrument :
BNA_G
ClientSampleId :
HR-SOIL-0908



Tgt Ion:149 Resp: 46625
Ion Ratio Lower Upper
149 100
167 26.5 21.4 32.0
279 4.3 3.1 4.7

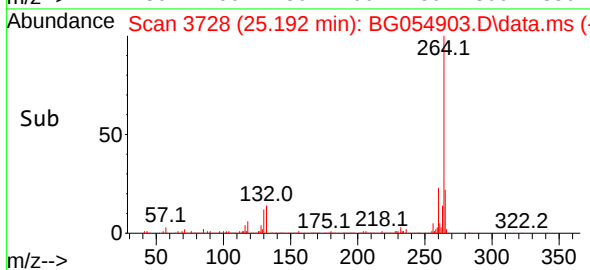
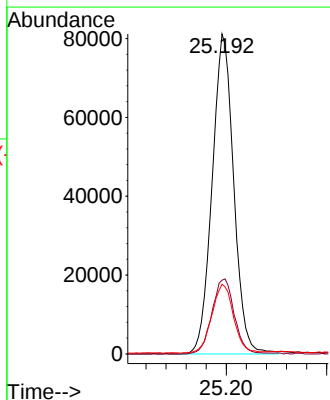
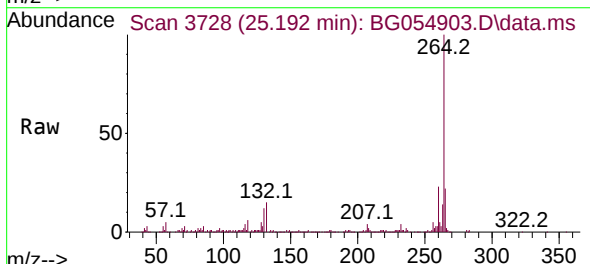
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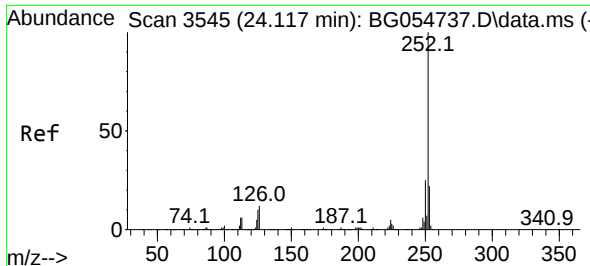
Reviewed By :Christian Giraldo 09/12/2022
Supervised By :Jagrut Upadhyay 09/12/2022



#86
Perylene-d12
Concen: 20.000 ng
RT: 25.192 min Scan# 3728
Delta R.T. -0.011 min
Lab File: BG054903.D
Acq: 9 Sep 2022 19:08

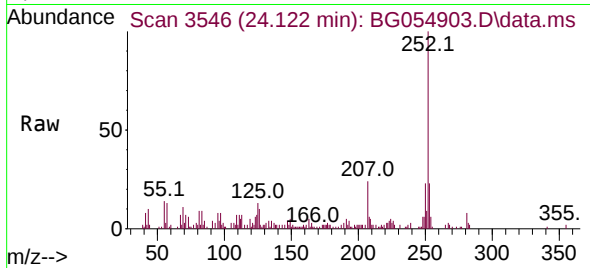
Tgt Ion:264 Resp: 241979
Ion Ratio Lower Upper
264 100
260 23.0 19.9 29.9
265 21.8 16.9 25.3





#88
Benzo(b)fluoranthene
Concen: 3.096 ng
RT: 24.122 min Scan# 3546
Delta R.T. 0.001 min
Lab File: BG054903.D
Acq: 9 Sep 2022 19:08

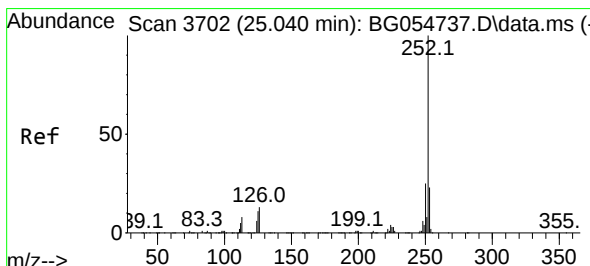
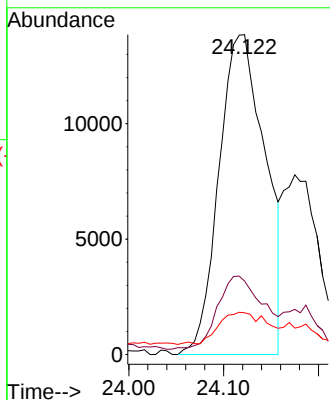
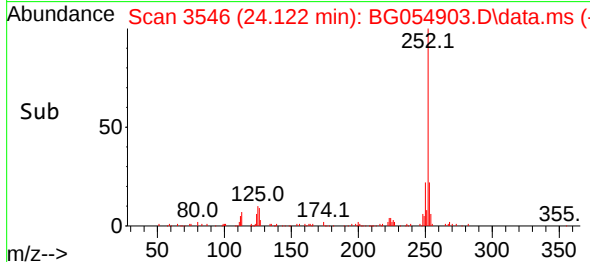
Instrument :
BNA_G
ClientSampleId :
HR-SOIL-0908



Tgt Ion:252 Resp: 46990
Ion Ratio Lower Upper
252 100
253 23.0 18.0 27.0
125 13.1 8.1 12.1

Manual Integrations
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Reviewed By :Christian Giraldo 09/12/2022
Supervised By :Jagrut Upadhyay 09/12/2022



#90
Benzo(a)pyrene
Concen: 2.610 ng
RT: 25.033 min Scan# 3701
Delta R.T. -0.017 min
Lab File: BG054903.D
Acq: 9 Sep 2022 19:08

Tgt Ion:252 Resp: 33845
Ion Ratio Lower Upper
252 100
253 22.6 18.3 27.5
125 10.6 8.8 13.2

