

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG091422\
 Data File : BG054948.D
 Acq On : 14 Sep 2022 18:04
 Operator : CG/JU
 Sample : N4600-01
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 OH-SOIL-0913

Manual Integrations
 APPROVED

Reviewed By :Christian Giraldo 09/15/2022
 Supervised By :Jagrut Upadhyay 09/15/2022

Quant Time: Sep 15 03:21:56 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG082522.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Sep 15 03:14:10 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.134	152	43975	20.000	ng	0.00
21) Naphthalene-d8	10.960	136	172726	20.000	ng	0.00
39) Acenaphthene-d10	14.773	164	109449	20.000	ng	0.00
64) Phenanthrene-d10	17.523	188	227782	20.000	ng	0.00
76) Chrysene-d12	21.812	240	242146	20.000	ng	0.00
86) Perylene-d12	25.185	264	257181	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.678	112	217510	86.132	ng	0.00
7) Phenol-d6	7.294	99	290123	84.006	ng	0.00
23) Nitrobenzene-d5	9.309	82	167301	50.848	ng	0.00
42) 2,4,6-Tribromophenol	16.266	330	107551	78.640	ng	0.00
45) 2-Fluorobiphenyl	13.393	172	411702	56.537	ng	0.00
79) Terphenyl-d14	20.120	244	674257	55.172	ng	0.00
Target Compounds						
52) Acenaphthene	14.838	154	19036	2.909	ng	# 80
58) Fluorene	15.819	166	34591	4.271	ng	# 89
71) Phenanthrene	17.564	178	104569	8.618	ng	# 95
75) Fluoranthene	19.568	202	43077	2.918	ng	98
78) Pyrene	19.932	202	49755m	2.947	ng	

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

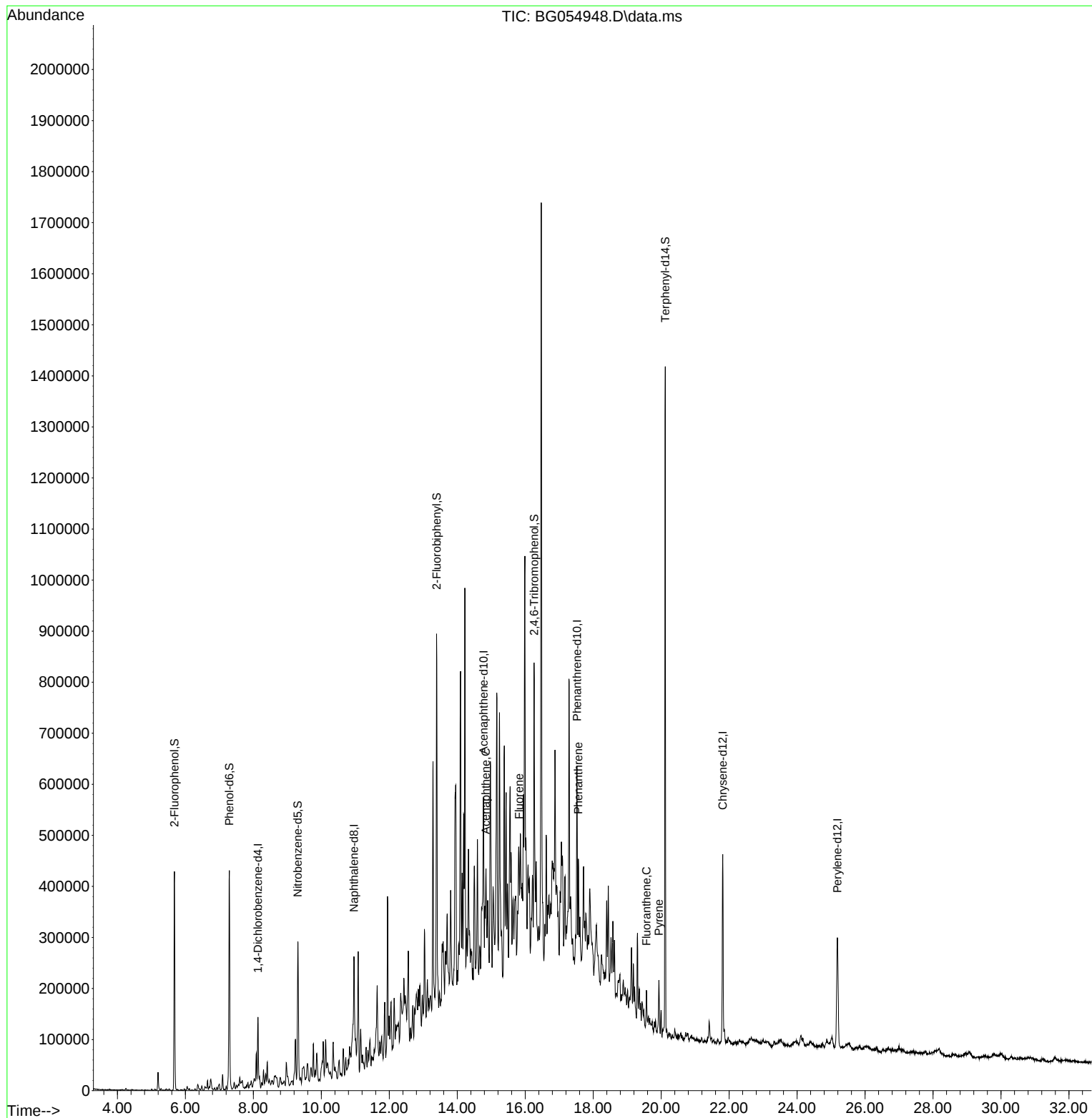
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG091422\
Data File : BG054948.D
Acq On : 14 Sep 2022 18:04
Operator : CG/JU
Sample : N4600-01
Misc :
ALS Vial : 11 Sample Multiplier: 1

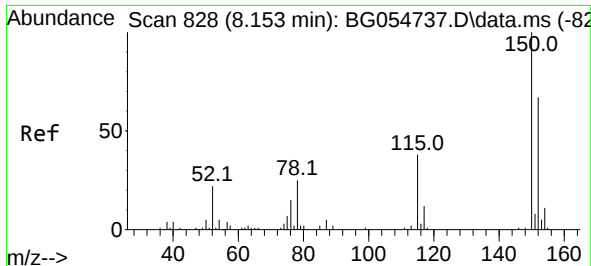
Instrument :
BNA_G
ClientSampleId :
OH-SOIL-0913

Quant Time: Sep 15 03:21:56 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG082522.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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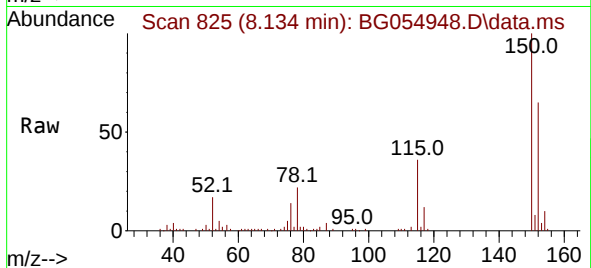
Reviewed By :Christian Giraldo 09/15/2022
Supervised By :Jagrut Upadhyay 09/15/2022





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.134 min Scan# 81
Delta R.T. -0.001 min
Lab File: BG054948.D
Acq: 14 Sep 2022 18:04

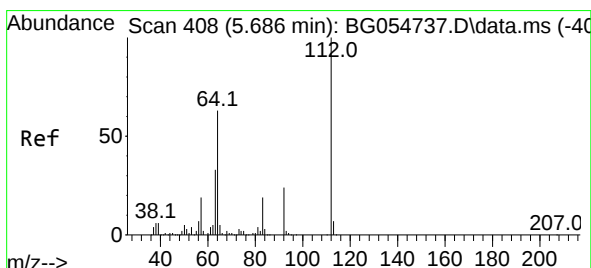
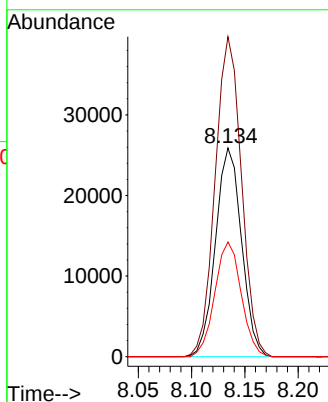
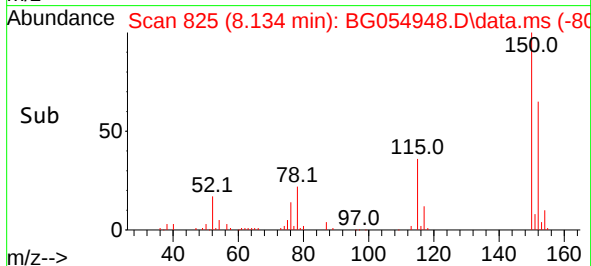
Instrument :
BNA_G
ClientSampleId :
OH-SOIL-0913



Tgt Ion:152 Resp: 4397
Ion Ratio Lower Upper
152 100
150 153.4 125.2 187.8
115 55.0 47.9 71.9

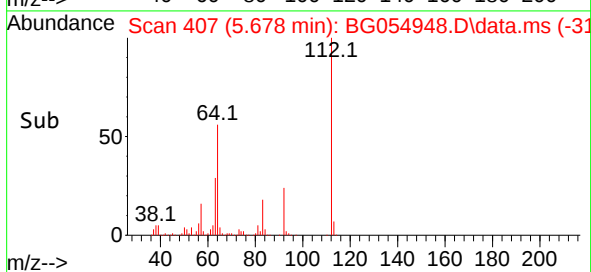
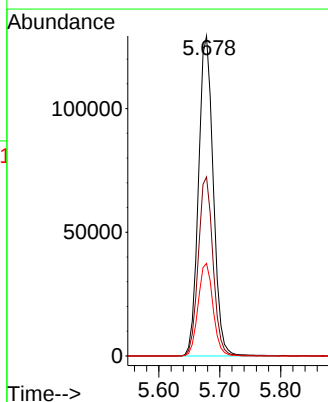
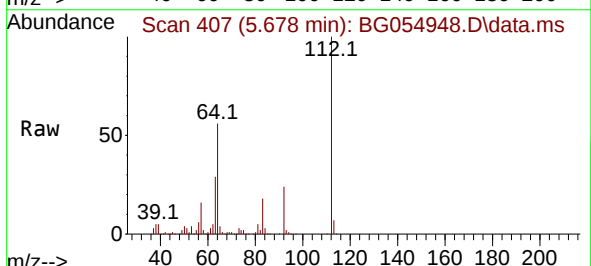
Manual Integrations
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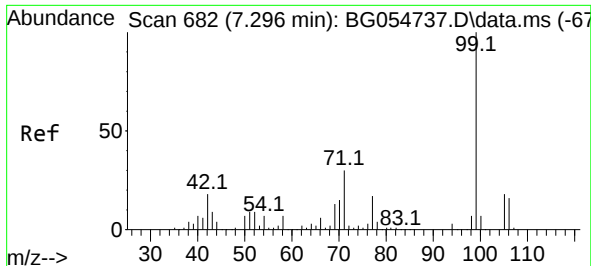
Reviewed By :Christian Giraldo 09/15/2022
Supervised By :Jagrut Upadhyay 09/15/2022



#5
2-Fluorophenol
Concen: 86.132 ng
RT: 5.678 min Scan# 407
Delta R.T. 0.005 min
Lab File: BG054948.D
Acq: 14 Sep 2022 18:04

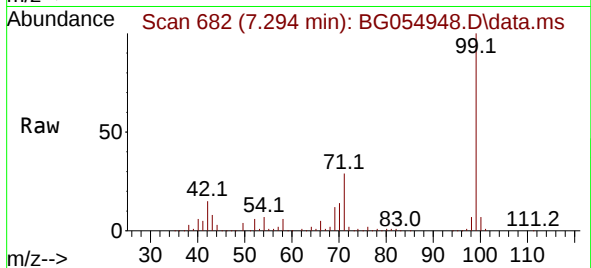
Tgt Ion:112 Resp: 217510
Ion Ratio Lower Upper
112 100
64 55.9 49.3 73.9
63 28.9 26.3 39.5





#7
Phenol-d6
Concen: 84.006 ng
RT: 7.294 min Scan# 61
Delta R.T. 0.005 min
Lab File: BG054948.D
Acq: 14 Sep 2022 18:04

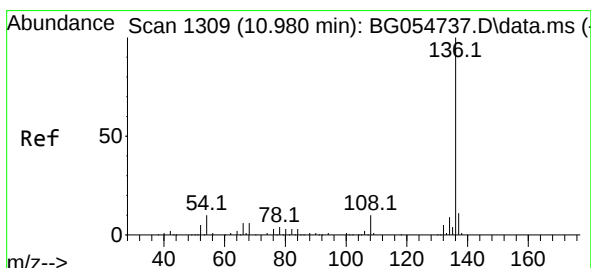
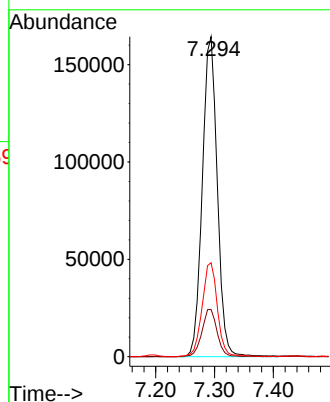
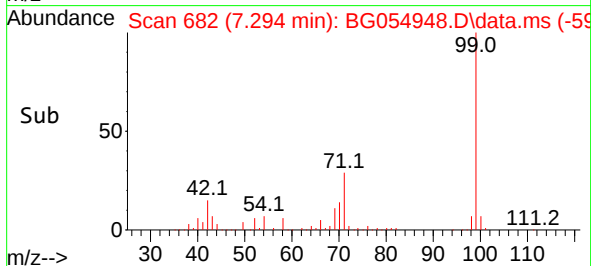
Instrument :
BNA_G
ClientSampleId :
OH-SOIL-0913



Tgt Ion: 99 Resp: 29012
Ion Ratio Lower Upper
99 100
42 14.8 14.6 22.0
71 29.4 24.6 37.0

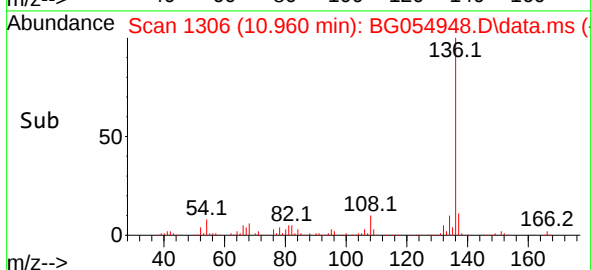
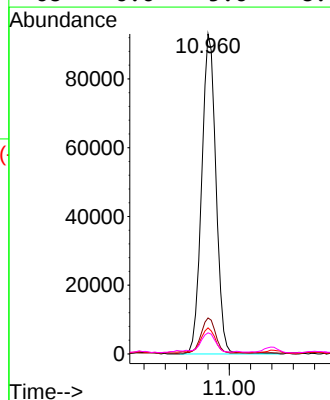
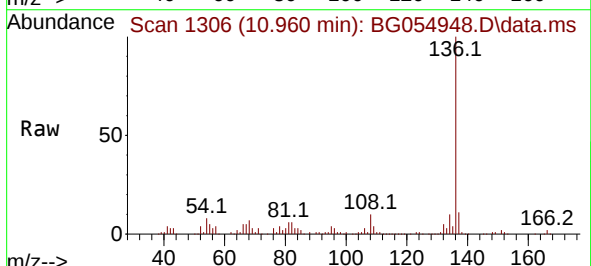
Manual Integrations
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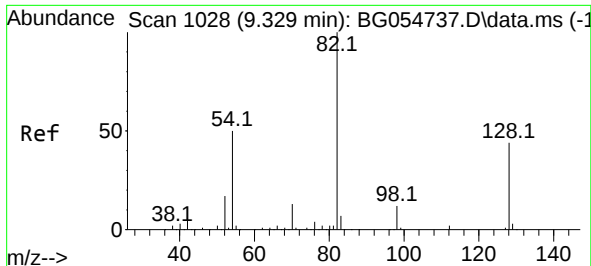
Reviewed By :Christian Giraldo 09/15/2022
Supervised By :Jagrut Upadhyay 09/15/2022



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.960 min Scan# 1306
Delta R.T. -0.001 min
Lab File: BG054948.D
Acq: 14 Sep 2022 18:04

Tgt Ion:136 Resp: 172726
Ion Ratio Lower Upper
136 100
137 11.2 9.2 13.8
54 8.1 7.7 11.5
68 6.6 5.6 8.4





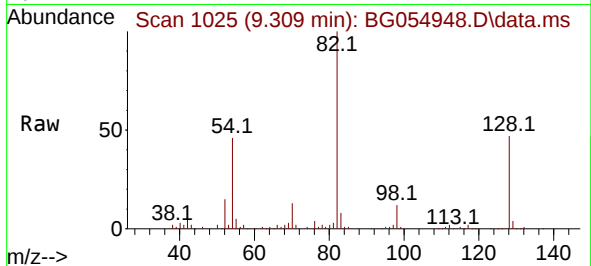
#23
Nitrobenzene-d5
Concen: 50.848 ng
RT: 9.309 min Scan# 1025
Delta R.T. -0.001 min
Lab File: BG054948.D
Acq: 14 Sep 2022 18:04

Instrument :

BNA_G

ClientSampleId :

OH-SOIL-0913

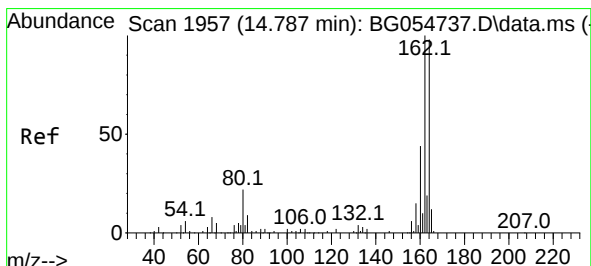
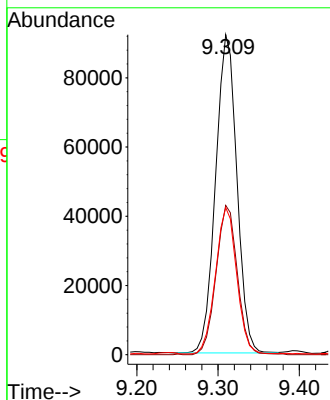
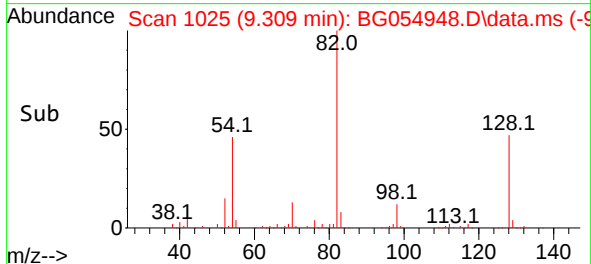


Tgt Ion: 82 Resp: 16730
Ion Ratio Lower Upper
82 100
128 46.7 32.2 48.2
54 46.0 41.4 62.0

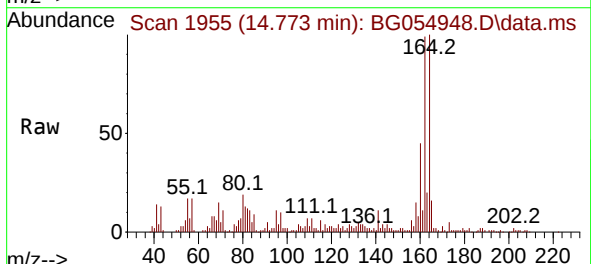
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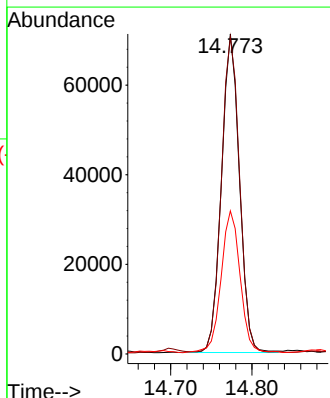
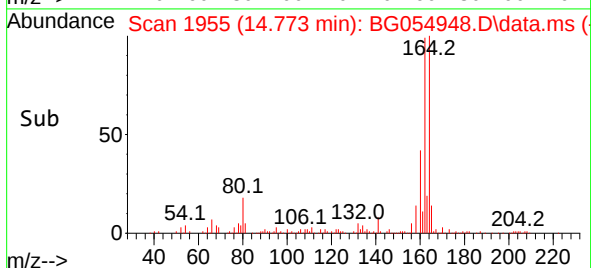
Reviewed By :Christian Giraldo 09/15/2022
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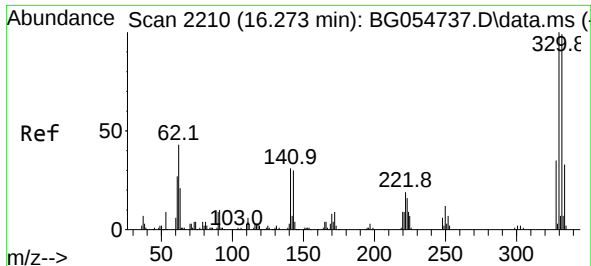


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.773 min Scan# 1955
Delta R.T. -0.001 min
Lab File: BG054948.D
Acq: 14 Sep 2022 18:04



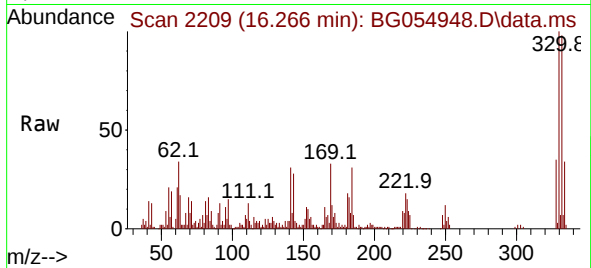
Tgt Ion:164 Resp: 109449
Ion Ratio Lower Upper
164 100
162 99.1 83.0 124.4
160 44.7 38.0 57.0





#42
2,4,6-Tribromophenol
Concen: 78.640 ng
RT: 16.266 min Scan# 21
Delta R.T. 0.005 min
Lab File: BG054948.D
Acq: 14 Sep 2022 18:04

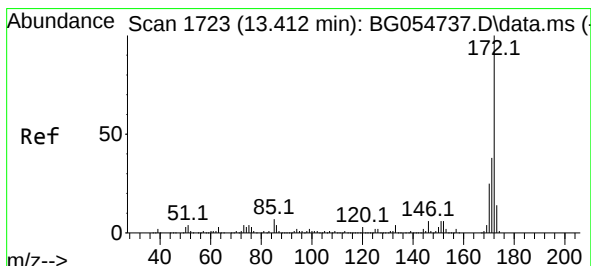
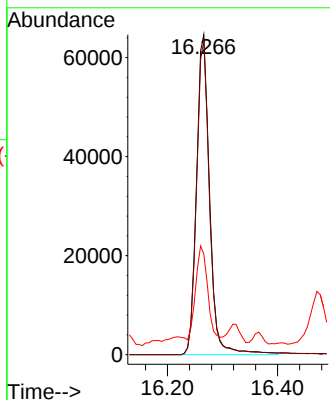
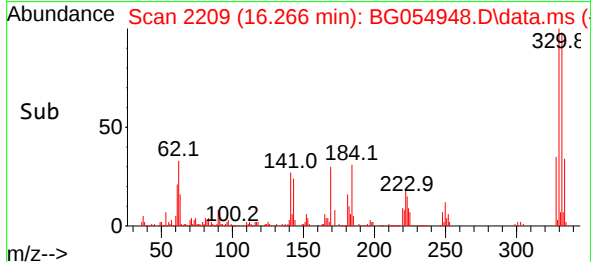
Instrument :
BNA_G
ClientSampleId :
OH-SOIL-0913



Tgt Ion:330 Resp: 10755
Ion Ratio Lower Upper
330 100
332 97.4 79.8 119.6
141 28.8 26.8 40.2

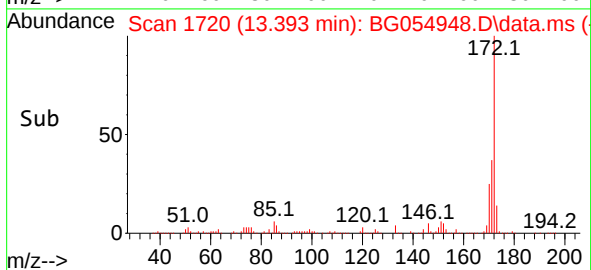
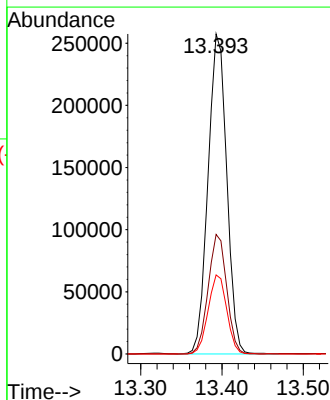
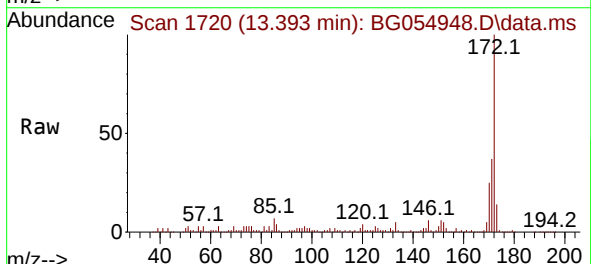
Manual Integrations
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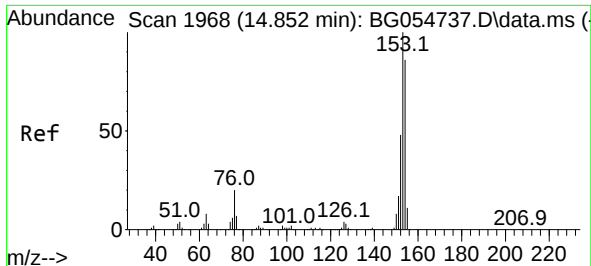
Reviewed By :Christian Giraldo 09/15/2022
Supervised By :Jagrut Upadhyay 09/15/2022



#45
2-Fluorobiphenyl
Concen: 56.537 ng
RT: 13.393 min Scan# 1720
Delta R.T. -0.001 min
Lab File: BG054948.D
Acq: 14 Sep 2022 18:04

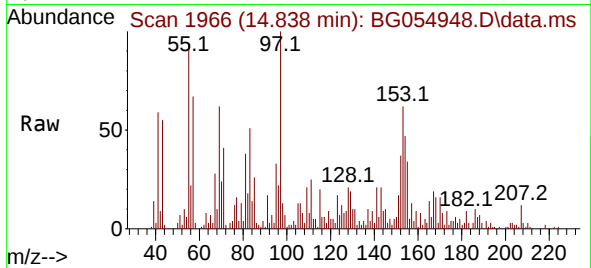
Tgt Ion:172 Resp: 411702
Ion Ratio Lower Upper
172 100
171 37.3 31.2 46.8
170 24.7 20.6 30.8





#52
Acenaphthene
Concen: 2.909 ng
RT: 14.838 min Scan# 1966
Delta R.T. -0.001 min
Lab File: BG054948.D
Acq: 14 Sep 2022 18:04

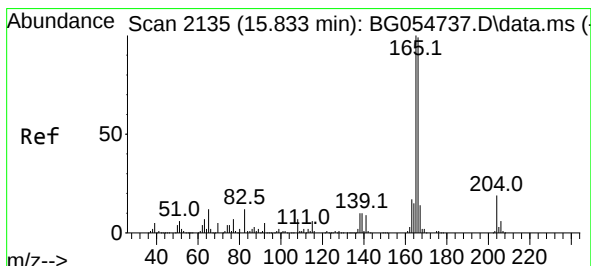
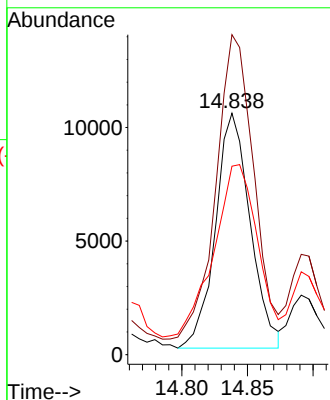
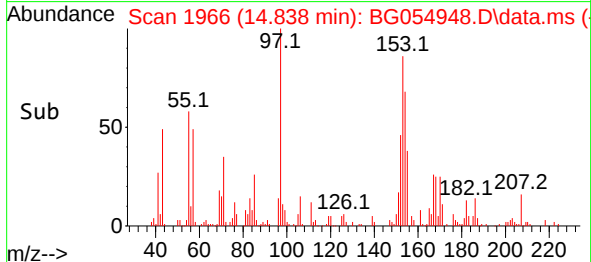
Instrument :
BNA_G
ClientSampleId :
OH-SOIL-0913



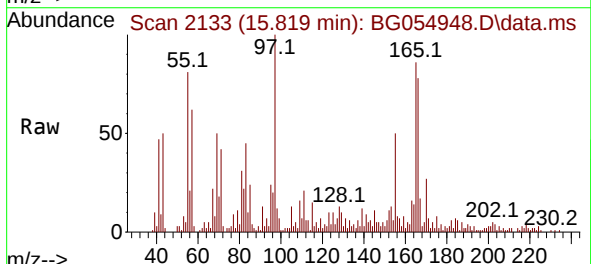
Tgt Ion:154 Resp: 19030
Ion Ratio Lower Upper
154 100
153 132.5 92.8 139.2
152 78.0 45.4 68.2

Manual Integrations
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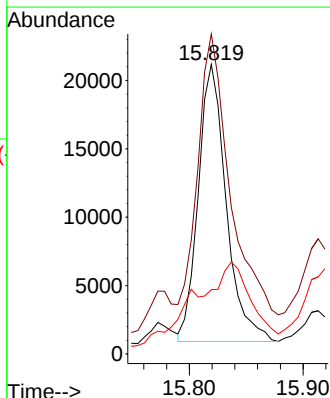
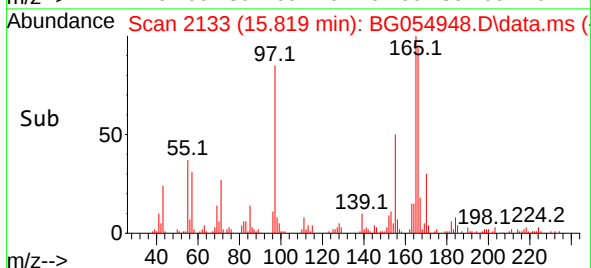
Reviewed By :Christian Giraldo 09/15/2022
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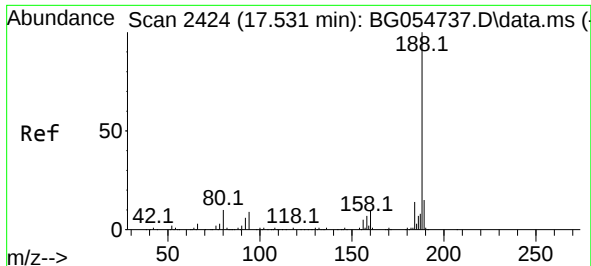


#58
Fluorene
Concen: 4.271 ng
RT: 15.819 min Scan# 2133
Delta R.T. -0.001 min
Lab File: BG054948.D
Acq: 14 Sep 2022 18:04



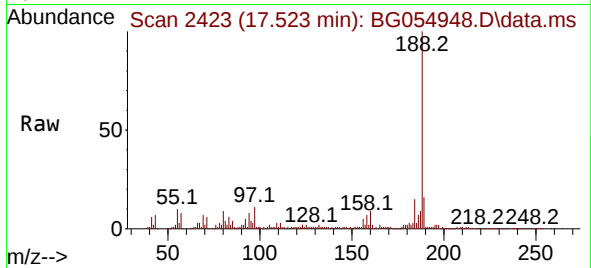
Tgt Ion:166 Resp: 34591
Ion Ratio Lower Upper
166 100
165 110.5 80.8 121.2
167 22.2 11.4 17.0#





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.523 min Scan# 2423
Delta R.T. -0.001 min
Lab File: BG054948.D
Acq: 14 Sep 2022 18:04

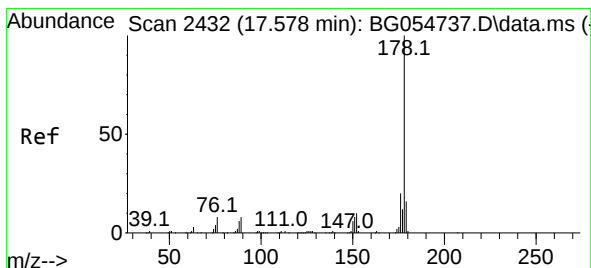
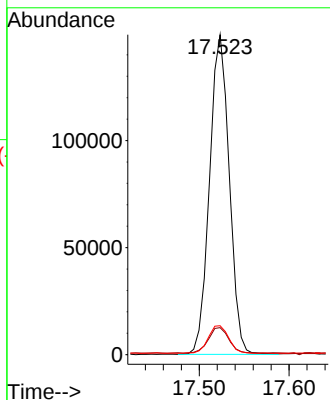
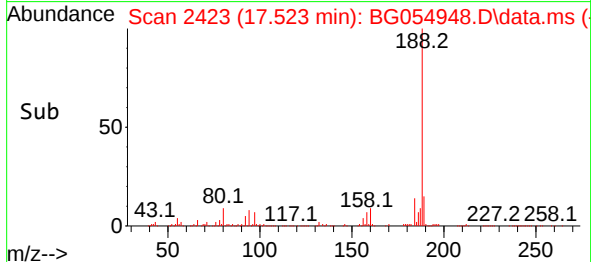
Instrument :
BNA_G
ClientSampleId :
OH-SOIL-0913



Tgt Ion:188 Resp: 22778
Ion Ratio Lower Upper
188 100
94 8.5 7.0 10.4
80 9.0 7.9 11.9

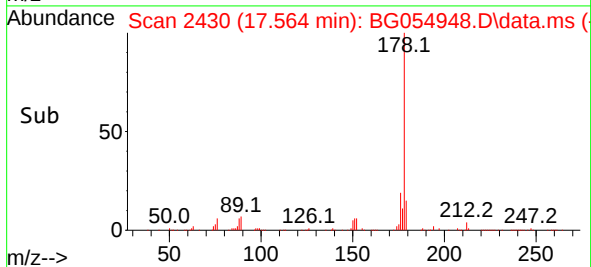
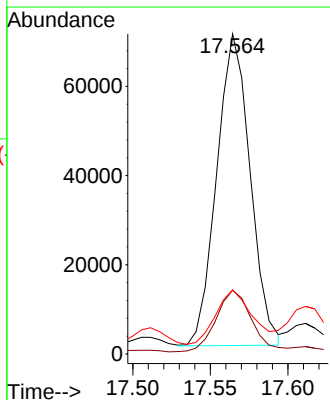
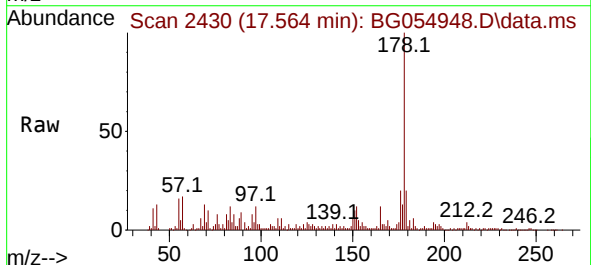
Manual Integrations
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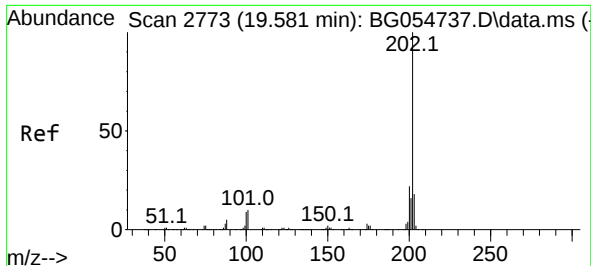
Reviewed By :Christian Giraldo 09/15/2022
Supervised By :Jagrut Upadhyay 09/15/2022



#71
Phenanthrene
Concen: 8.618 ng
RT: 17.564 min Scan# 2430
Delta R.T. -0.001 min
Lab File: BG054948.D
Acq: 14 Sep 2022 18:04

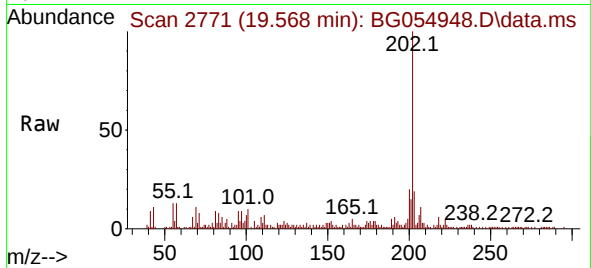
Tgt Ion:178 Resp: 104569
Ion Ratio Lower Upper
178 100
176 19.9 16.6 25.0
179 20.0 12.8 19.2#





#75
Fluoranthene
Concen: 2.918 ng
RT: 19.568 min Scan# 21
Delta R.T. -0.001 min
Lab File: BG054948.D
Acq: 14 Sep 2022 18:04

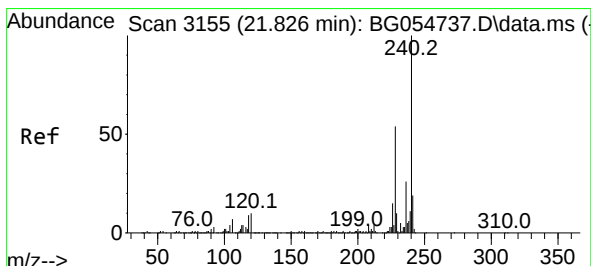
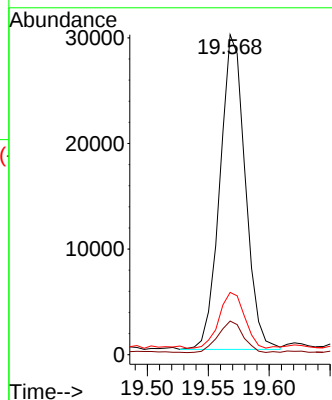
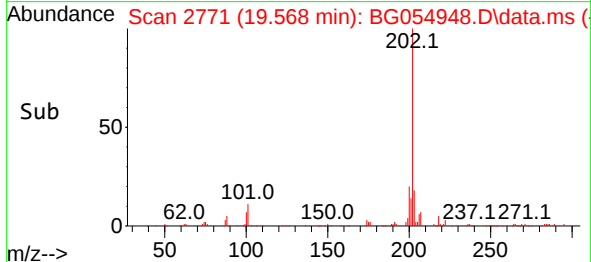
Instrument :
BNA_G
ClientSampleId :
OH-SOIL-0913



Tgt Ion:202 Resp: 4307
Ion Ratio Lower Upper
202 100
101 10.5 0.0 31.4
203 19.5 0.0 38.6

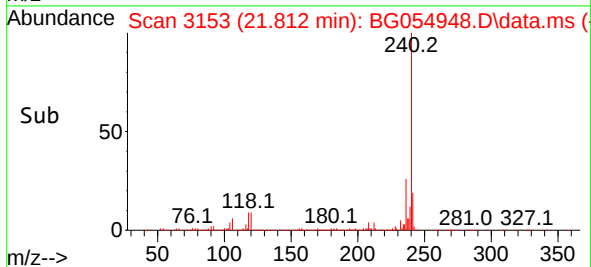
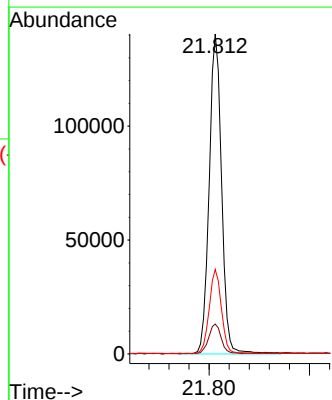
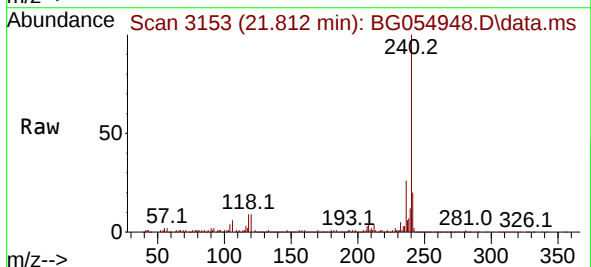
Manual Integrations
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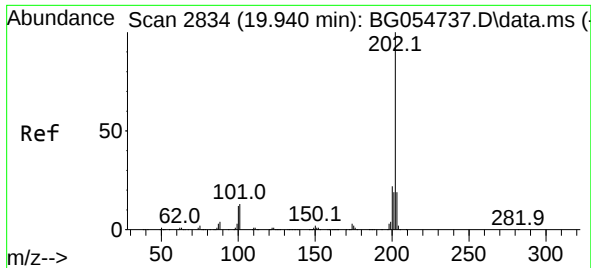
Reviewed By :Christian Giraldo 09/15/2022
Supervised By :Jagrut Upadhyay 09/15/2022



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.812 min Scan# 3153
Delta R.T. -0.007 min
Lab File: BG054948.D
Acq: 14 Sep 2022 18:04

Tgt Ion:240 Resp: 242146
Ion Ratio Lower Upper
240 100
120 9.3 8.2 12.4
236 26.4 21.2 31.8





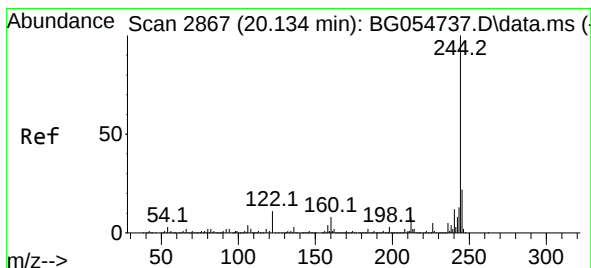
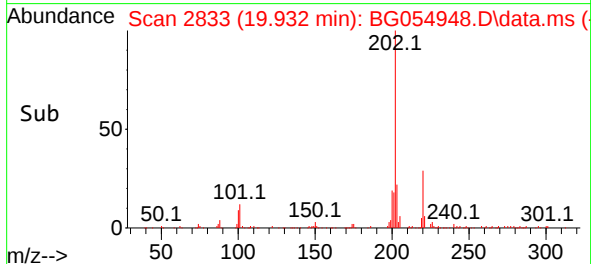
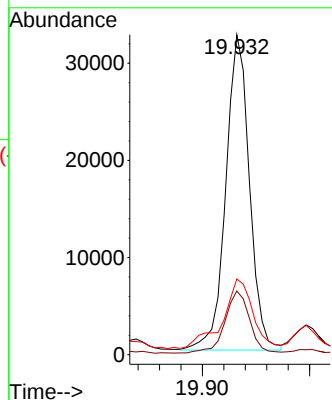
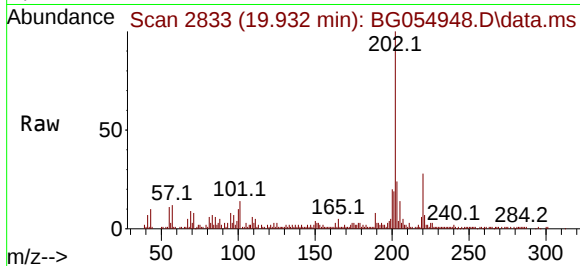
#78
 Pyrene
 Concen: 2.947 ng m
 RT: 19.932 min Scan# 2833
 Delta R.T. -0.001 min
 Lab File: BG054948.D
 Acq: 14 Sep 2022 18:04

Instrument :
 BNA_G
 ClientSampleId :
 OH-SOIL-0913

Tgt Ion:202 Resp: 4975
 Ion Ratio Lower Upper
 202 100
 200 19.9 17.8 26.6
 203 23.7 14.6 21.8

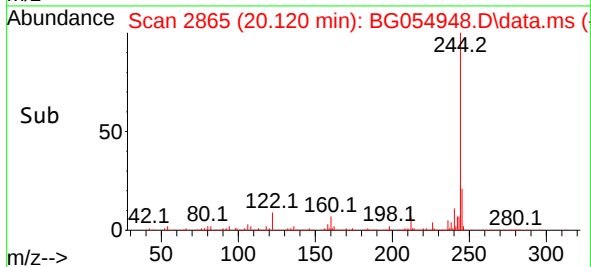
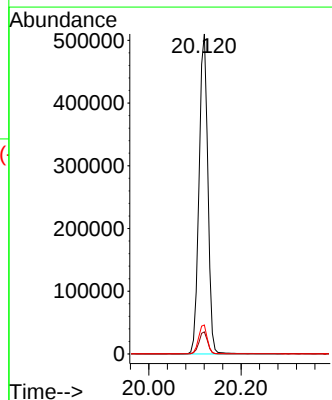
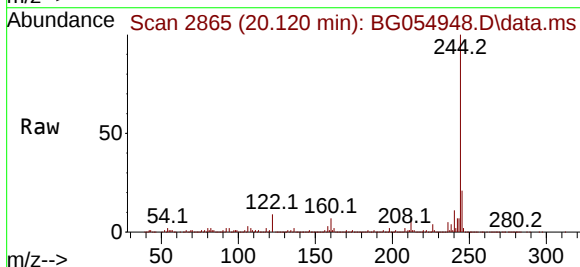
Manual Integrations
 APPROVED

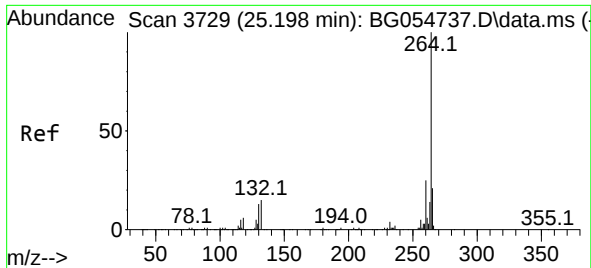
Reviewed By :Christian Giraldo 09/15/2022
 Supervised By :Jagrut Upadhyay 09/15/2022



#79
 Terphenyl-d14
 Concen: 55.172 ng
 RT: 20.120 min Scan# 2865
 Delta R.T. -0.001 min
 Lab File: BG054948.D
 Acq: 14 Sep 2022 18:04

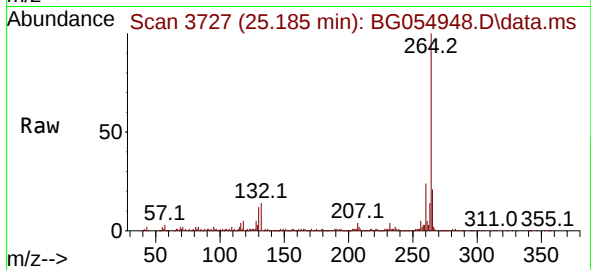
Tgt Ion:244 Resp: 674257
 Ion Ratio Lower Upper
 244 100
 212 6.9 6.2 9.2
 122 9.1 9.0 13.6





#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 25.185 min Scan# 31
 Delta R.T. -0.001 min
 Lab File: BG054948.D
 Acq: 14 Sep 2022 18:04

Instrument :
 BNA_G
 ClientSampleId :
 OH-SOIL-0913



Tgt Ion:264 Resp: 25718
 Ion Ratio Lower Upper
 264 100
 260 23.9 19.9 29.9
 265 21.4 16.9 25.3

Manual Integrations
 APPROVED

Reviewed By :Christian Giraldo 09/15/2022
 Supervised By :Jagrut Upadhyay 09/15/2022

