

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG100422\
 Data File : BG055063.D
 Acq On : 4 Oct 2022 14:48
 Operator : CG/JU
 Sample : N4943-03DL 2X
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SOIL-002-0930DL

Manual Integrations
 APPROVED

Reviewed By :Jagrut Upadhyay 10/05/2022
 Supervised By :mohammad ahmed 10/06/2022

Quant Time: Oct 05 00:31:02 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG100322.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Oct 04 07:12:22 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.346	152	26123	20.000	ng	0.00
21) Naphthalene-d8	11.172	136	110850	20.000	ng	0.00
39) Acenaphthene-d10	14.944	164	83849	20.000	ng	0.00
64) Phenanthrene-d10	17.682	188	214430	20.000	ng	0.00
76) Chrysene-d12	21.977	240	226410	20.000	ng	0.00
86) Perylene-d12	25.432	264	243404	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.861	112	70554	59.989	ng	0.00
7) Phenol-d6	7.465	99	100317	56.928	ng	0.00
23) Nitrobenzene-d5	9.510	82	59381	32.010	ng	0.00
42) 2,4,6-Tribromophenol	16.425	330	50002	60.902	ng	0.00
45) 2-Fluorobiphenyl	13.581	172	157922	29.402	ng	0.00
79) Terphenyl-d14	20.256	244	330361	29.492	ng	0.00
Target Compounds						Qvalue
31) Naphthalene	11.225	128	118181	20.200	ng	99
37) 2-Methylnaphthalene	12.800	142	67030	15.547	ng	100
38) 1-Methylnaphthalene	13.017	142	32036m	7.639	ng	
46) 1,1'-Biphenyl	13.793	154	20069	3.491	ng	96
52) Acenaphthene	15.009	154	66696	14.002	ng	95
55) Dibenzofuran	15.344	168	118506	15.594	ng	99
58) Fluorene	15.984	166	122996	20.225	ng	99
71) Phenanthrene	17.729	178	564723	50.136	ng	99
72) Anthracene	17.818	178	46361	4.232	ng	99
75) Fluoranthene	19.709	202	344630	24.526	ng	99
78) Pyrene	20.068	202	223308	14.833	ng	99
81) Benzo(a)anthracene	21.954	228	59392	4.129	ng	98
83) Chrysene	22.024	228	45449	3.279	ng	95
88) Benzo(b)fluoranthene	24.333	252	28966	2.020	ng	98

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

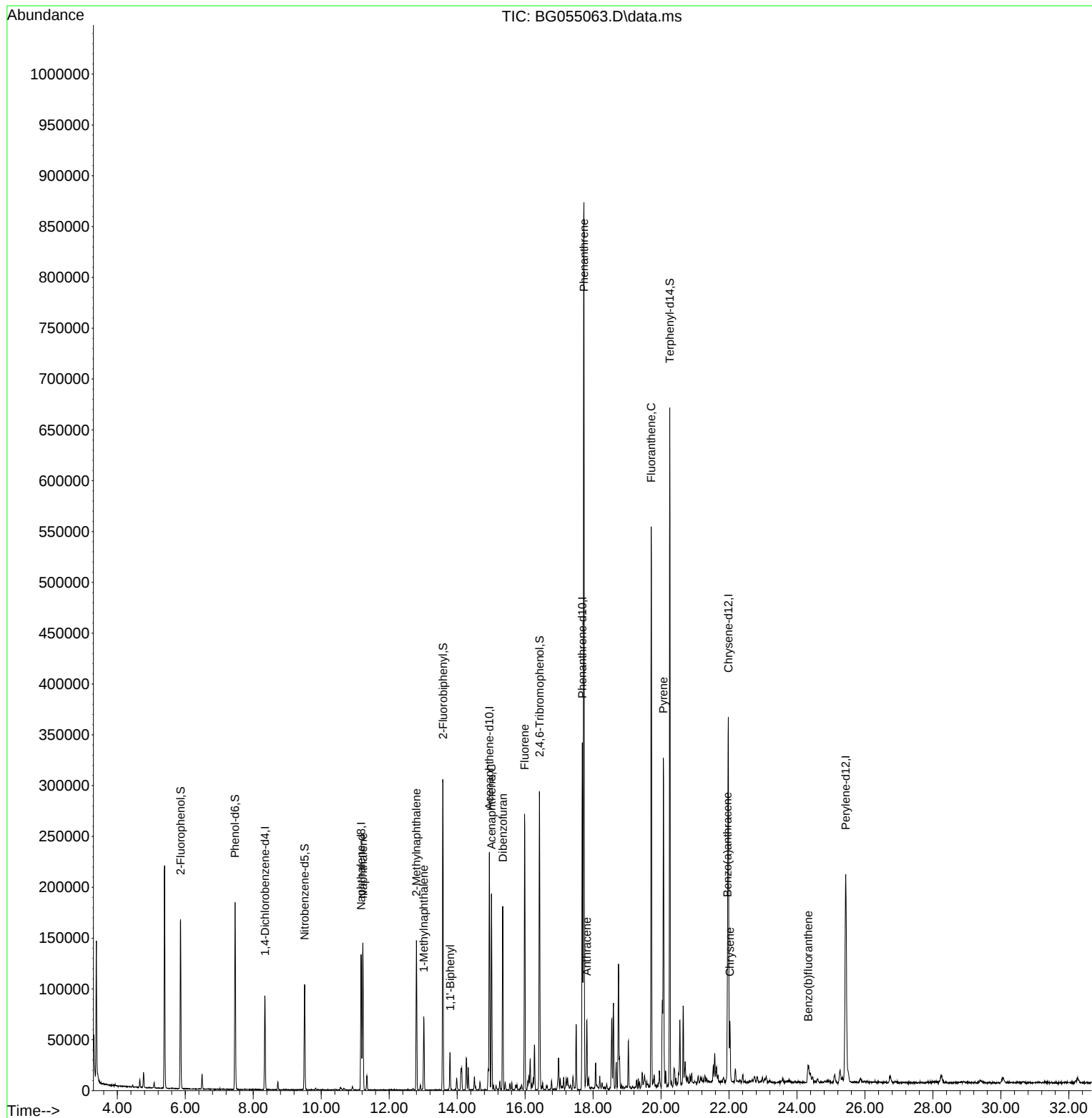
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG100422\
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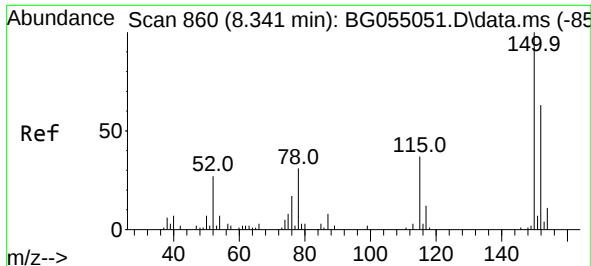
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Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG100322.M
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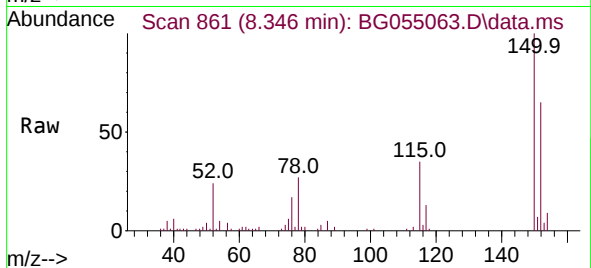
Reviewed By :Jagrut Upadhyay 10/05/2022
Supervised By :mohammad ahmed 10/06/2022





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.346 min Scan# 861
Delta R.T. 0.005 min
Lab File: BG055063.D
Acq: 4 Oct 2022 14:48

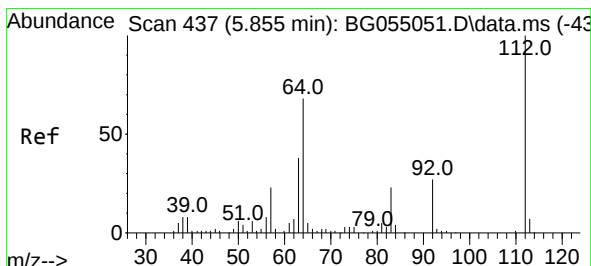
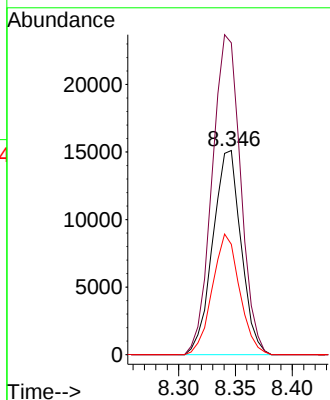
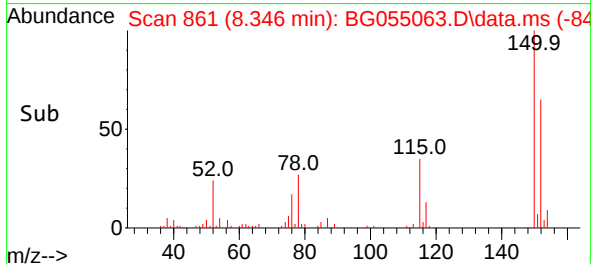
Instrument :
BNA_G
ClientSampleId :
SOIL-002-0930DL



Tgt Ion:152 Resp: 26123
Ion Ratio Lower Upper
152 100
150 152.8 128.0 192.0
115 54.1 47.7 71.5

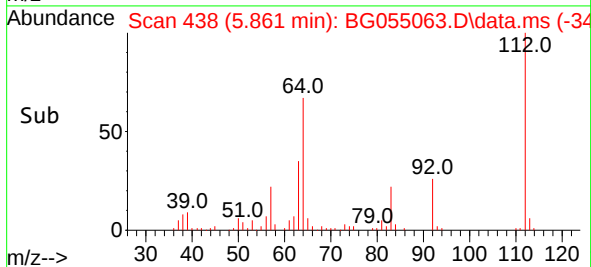
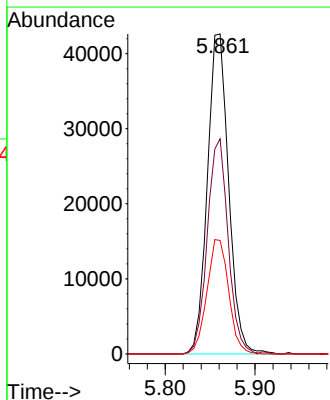
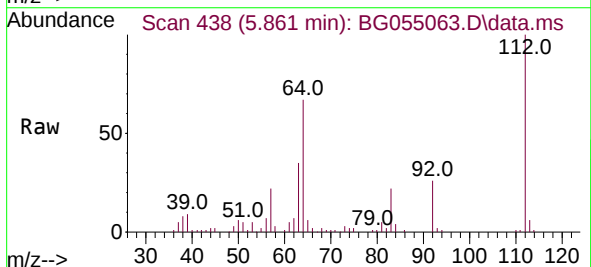
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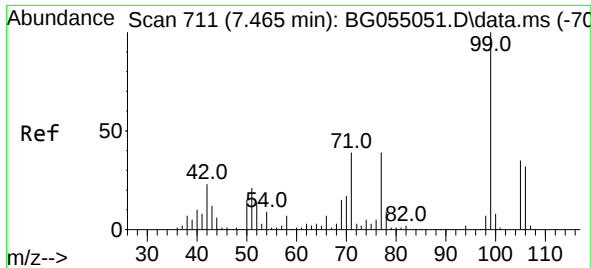
Reviewed By :Jagrut Upadhyay 10/05/2022
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#5
2-Fluorophenol
Concen: 59.989 ng
RT: 5.861 min Scan# 438
Delta R.T. 0.006 min
Lab File: BG055063.D
Acq: 4 Oct 2022 14:48

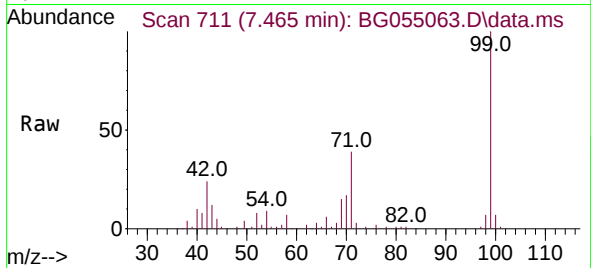
Tgt Ion:112 Resp: 70554
Ion Ratio Lower Upper
112 100
64 67.2 54.5 81.7
63 35.4 30.5 45.7





#7
Phenol-d6
Concen: 56.928 ng
RT: 7.465 min Scan# 711
Delta R.T. 0.000 min
Lab File: BG055063.D
Acq: 4 Oct 2022 14:48

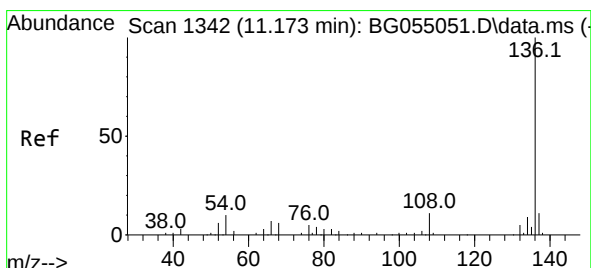
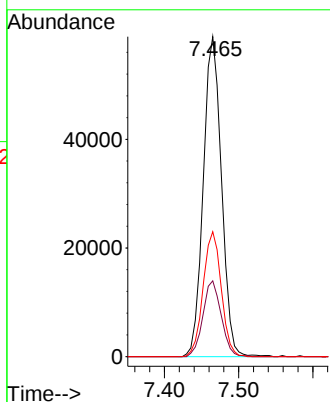
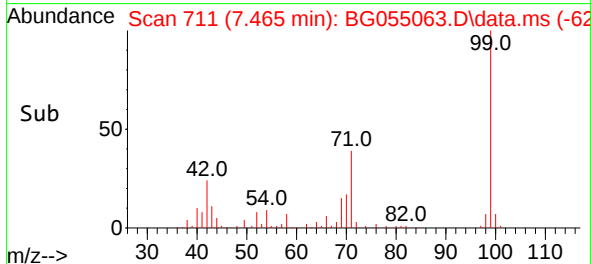
Instrument :
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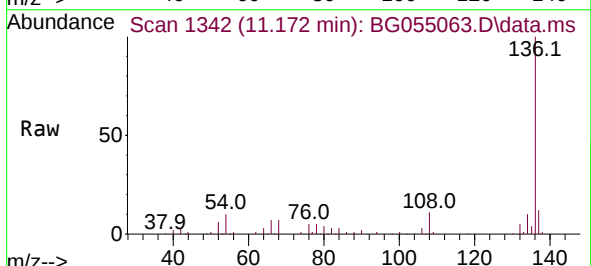
Tgt Ion: 99 Resp: 100317
Ion Ratio Lower Upper
99 100
42 23.7 18.6 28.0
71 39.0 31.2 46.8

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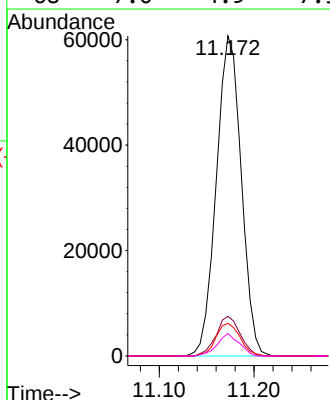
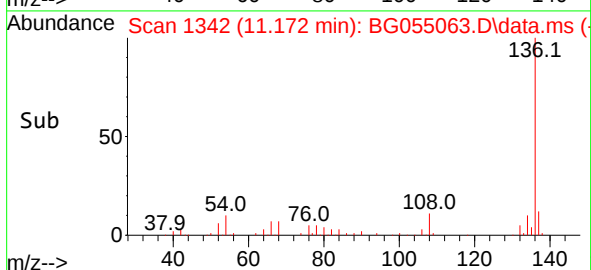
Reviewed By :Jagrut Upadhyay 10/05/2022
Supervised By :mohammad ahmed 10/06/2022

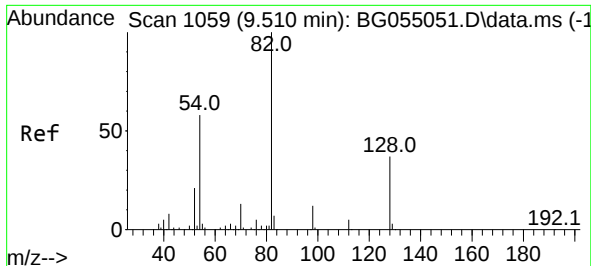


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.172 min Scan# 1342
Delta R.T. -0.000 min
Lab File: BG055063.D
Acq: 4 Oct 2022 14:48



Tgt Ion:136 Resp: 110850
Ion Ratio Lower Upper
136 100
137 12.4 8.7 13.1
54 10.2 8.2 12.4
68 7.0 4.9 7.3





#23

Nitrobenzene-d5

Concen: 32.010 ng

RT: 9.510 min Scan# 1059

Delta R.T. -0.000 min

Lab File: BG055063.D

Acq: 4 Oct 2022 14:48

Instrument :

BNA_G

ClientSampleId :

SOIL-002-0930DL

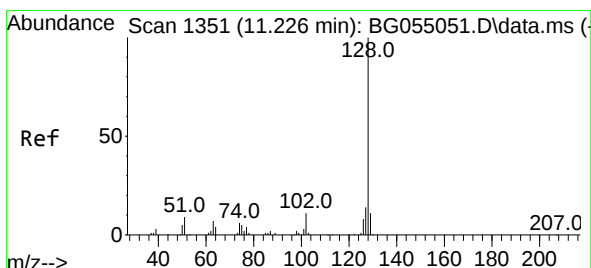
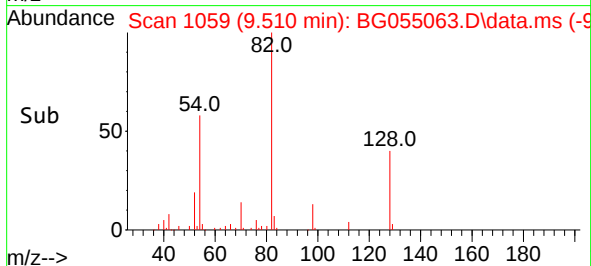
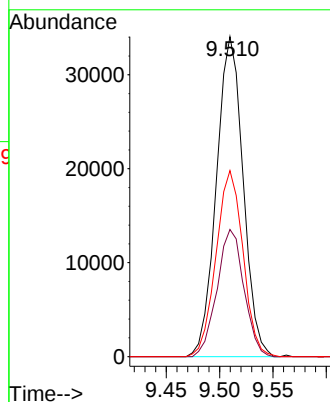
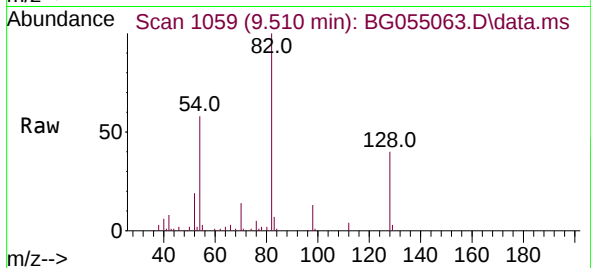
Tgt Ion: 82 Resp: 5938

Ion	Ratio	Lower	Upper
82	100		
128	39.7	29.5	44.3
54	58.1	46.7	70.1

Manual Integrations

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#31

Naphthalene

Concen: 20.200 ng

RT: 11.225 min Scan# 1351

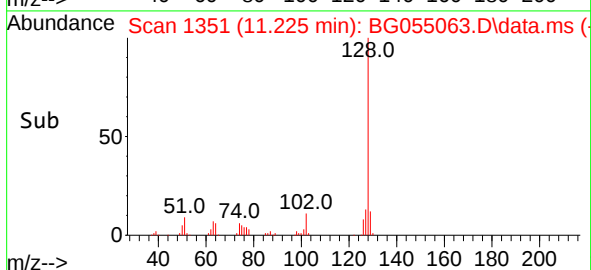
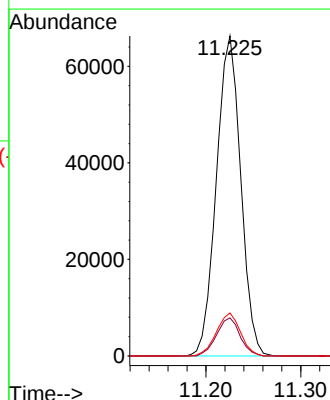
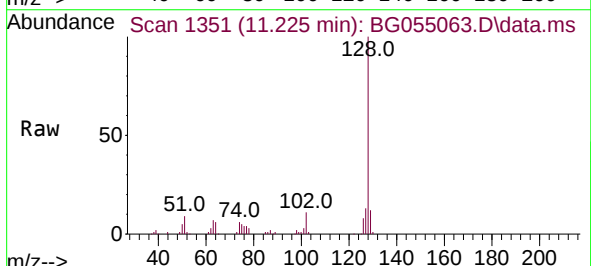
Delta R.T. -0.001 min

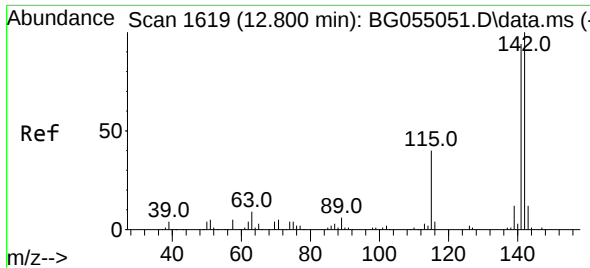
Lab File: BG055063.D

Acq: 4 Oct 2022 14:48

Tgt Ion:128 Resp: 118181

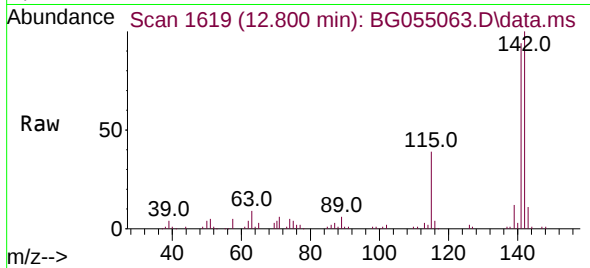
Ion	Ratio	Lower	Upper
128	100		
129	11.9	8.7	13.1
127	13.4	10.9	16.3





#37
2-Methylnaphthalene
Concen: 15.547 ng
RT: 12.800 min Scan# 1619
Delta R.T. -0.000 min
Lab File: BG055063.D
Acq: 4 Oct 2022 14:48

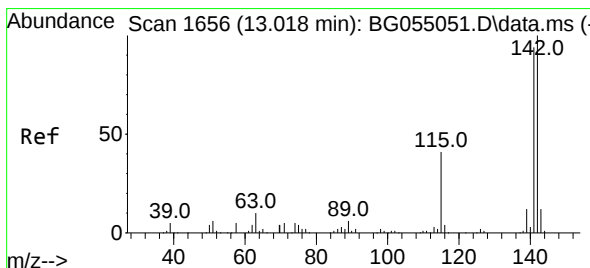
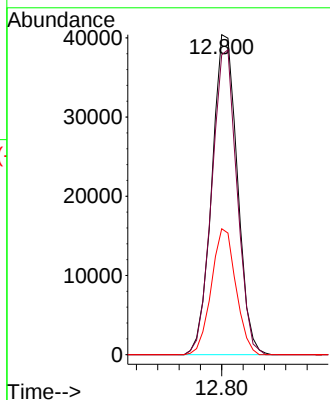
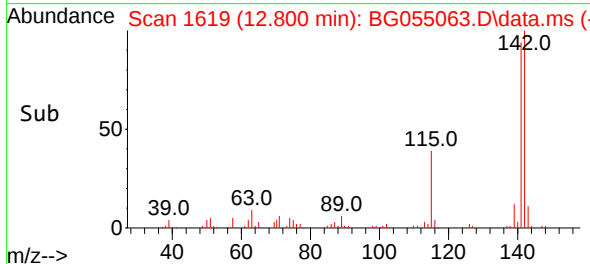
Instrument :
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ClientSampleId :
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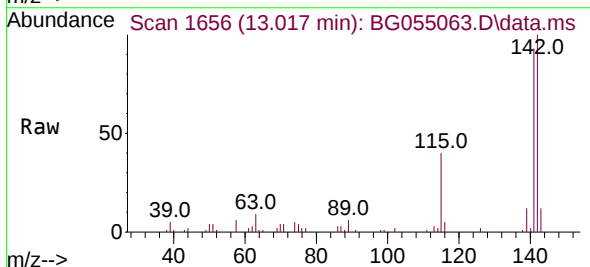
Tgt Ion:142 Resp: 67036
Ion Ratio Lower Upper
142 100
141 93.7 75.0 112.4
115 39.3 31.7 47.5

Manual Integrations
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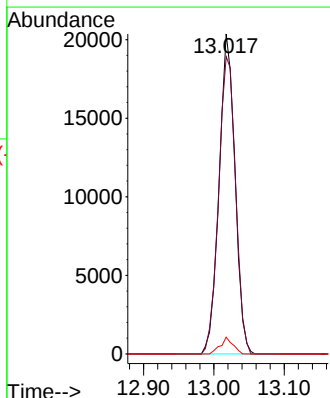
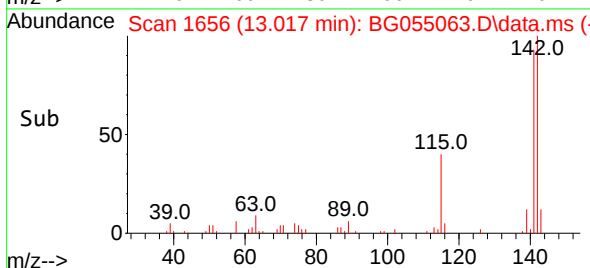
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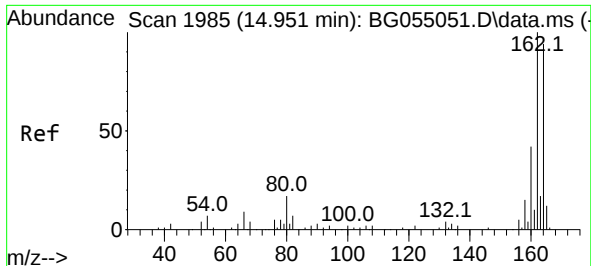


#38
1-Methylnaphthalene
Concen: 7.639 ng m
RT: 13.017 min Scan# 1656
Delta R.T. -0.001 min
Lab File: BG055063.D
Acq: 4 Oct 2022 14:48



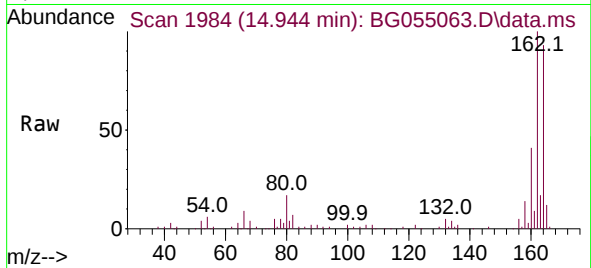
Tgt Ion:142 Resp: 32036
Ion Ratio Lower Upper
142 100
141 92.9 75.5 113.3
116 5.2 3.4 5.2#





#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.944 min Scan# 1984
Delta R.T. -0.006 min
Lab File: BG055063.D
Acq: 4 Oct 2022 14:48

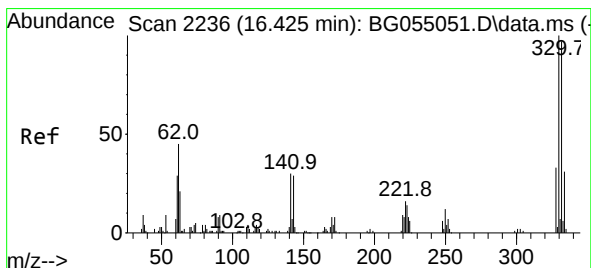
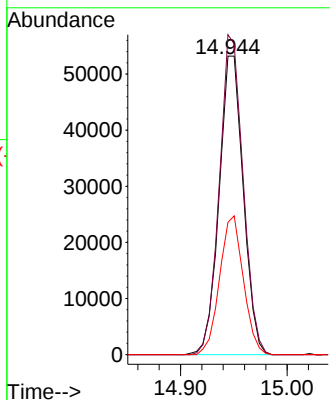
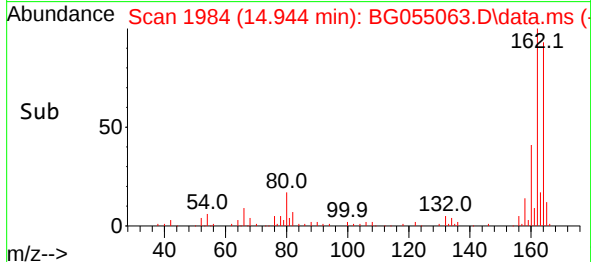
Instrument :
BNA_G
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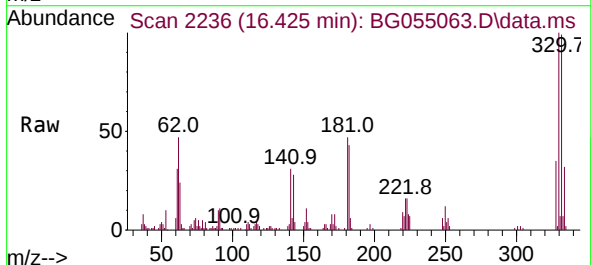
Tgt Ion:164 Resp: 83849
Ion Ratio Lower Upper
164 100
162 107.2 85.5 128.3
160 44.3 35.5 53.3

Manual Integrations
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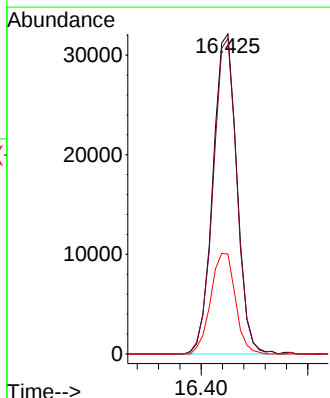
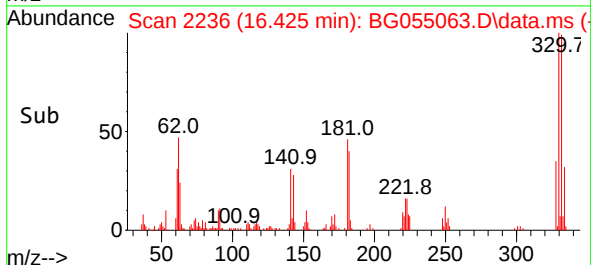
Reviewed By :Jagrut Upadhyay 10/05/2022
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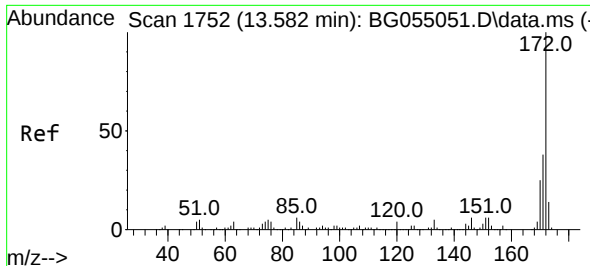


#42
2,4,6-Tribromophenol
Concen: 60.902 ng
RT: 16.425 min Scan# 2236
Delta R.T. 0.000 min
Lab File: BG055063.D
Acq: 4 Oct 2022 14:48



Tgt Ion:330 Resp: 50002
Ion Ratio Lower Upper
330 100
332 97.7 77.4 116.0
141 32.4 25.0 37.4





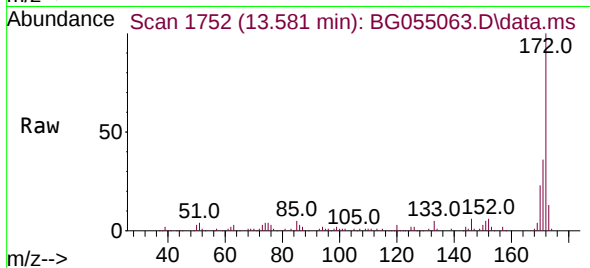
#45
2-Fluorobiphenyl
Concen: 29.402 ng
RT: 13.581 min Scan# 1752
Delta R.T. -0.001 min
Lab File: BG055063.D
Acq: 4 Oct 2022 14:48

Instrument :

BNA_G

ClientSampleId :

SOIL-002-0930DL

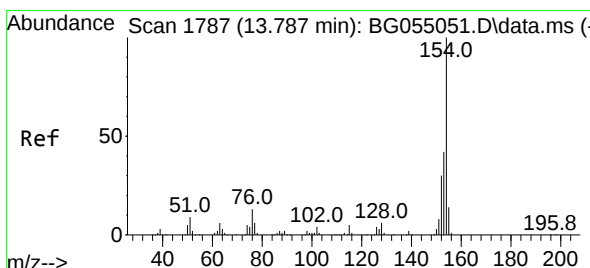
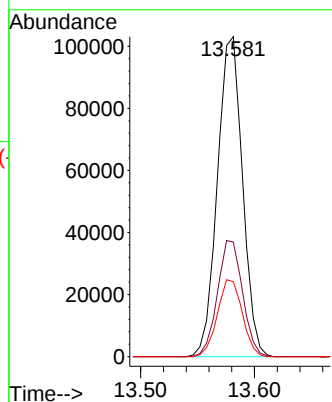
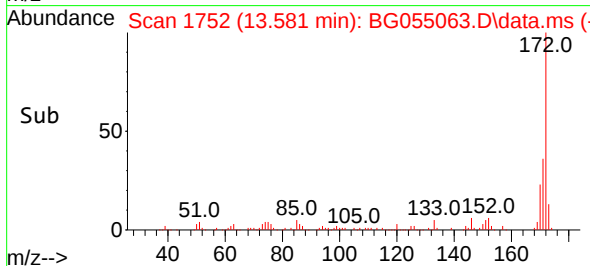


Tgt Ion:172 Resp: 157922
Ion Ratio Lower Upper
172 100
171 35.8 30.1 45.1
170 23.4 20.0 30.0

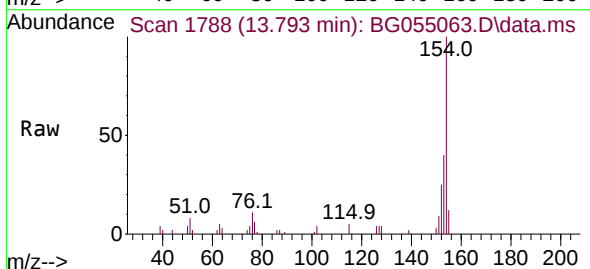
Manual Integrations

APPROVED

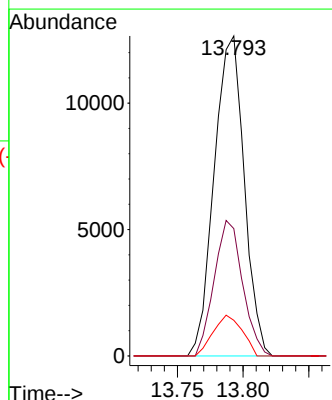
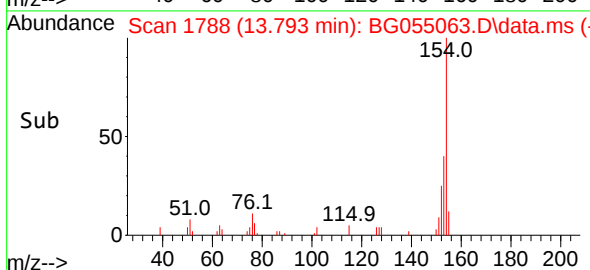
Reviewed By :Jagrut Upadhyay 10/05/2022
Supervised By :mohammad ahmed 10/06/2022

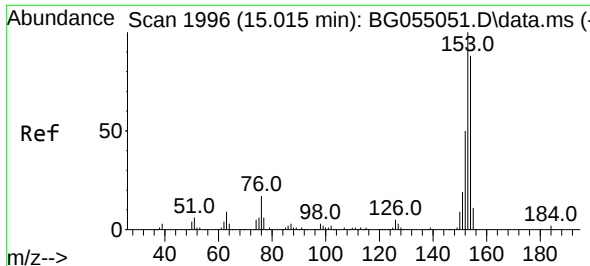


#46
1,1'-Biphenyl
Concen: 3.491 ng
RT: 13.793 min Scan# 1788
Delta R.T. 0.006 min
Lab File: BG055063.D
Acq: 4 Oct 2022 14:48



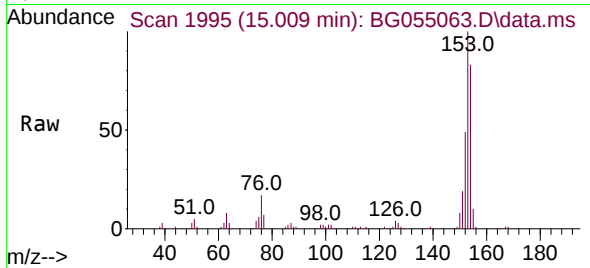
Tgt Ion:154 Resp: 20069
Ion Ratio Lower Upper
154 100
153 39.8 22.0 62.0
76 11.1 0.0 33.3





#52
Acenaphthene
Concen: 14.002 ng
RT: 15.009 min Scan# 1996
Delta R.T. -0.006 min
Lab File: BG055063.D
Acq: 4 Oct 2022 14:48

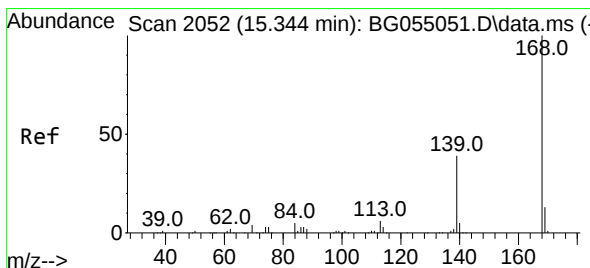
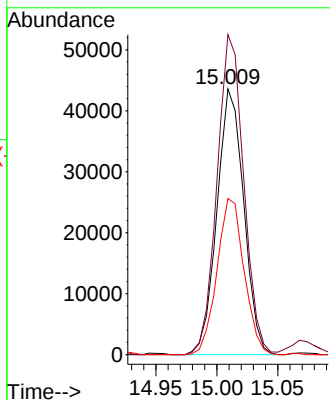
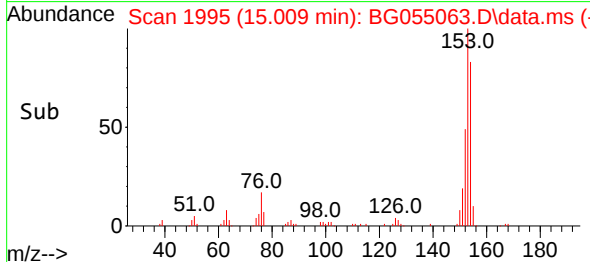
Instrument :
BNA_G
ClientSampleId :
SOIL-002-0930DL



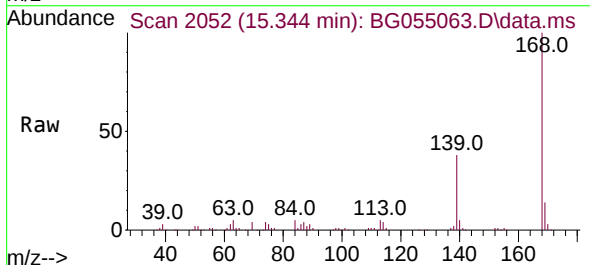
Tgt Ion:154 Resp: 66696
Ion Ratio Lower Upper
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153 120.5 91.4 137.0
152 58.8 45.3 67.9

Manual Integrations
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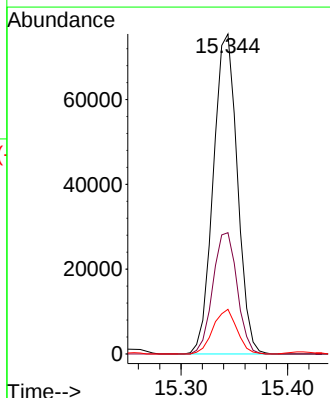
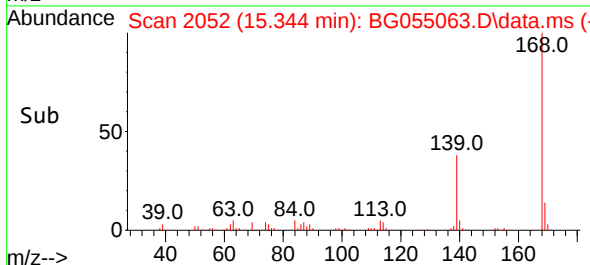
Reviewed By :Jagrut Upadhyay 10/05/2022
Supervised By :mohammad ahmed 10/06/2022

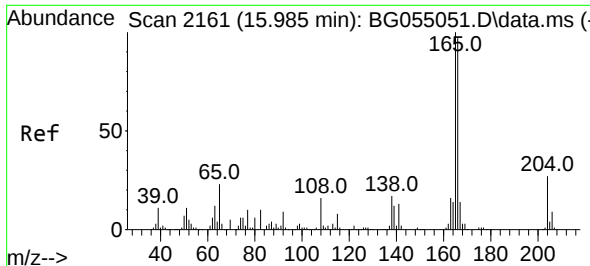


#55
Dibenzofuran
Concen: 15.594 ng
RT: 15.344 min Scan# 2052
Delta R.T. 0.000 min
Lab File: BG055063.D
Acq: 4 Oct 2022 14:48



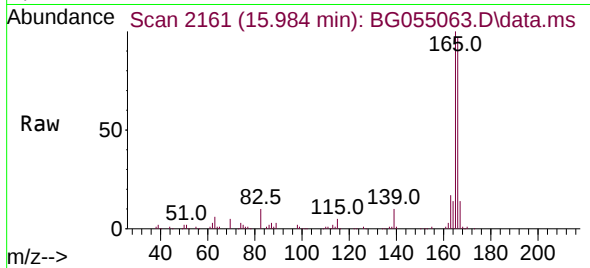
Tgt Ion:168 Resp: 118506
Ion Ratio Lower Upper
168 100
139 37.9 31.0 46.4
169 13.9 10.6 16.0





#58
Fluorene
Concen: 20.225 ng
RT: 15.984 min Scan# 2161
Delta R.T. -0.001 min
Lab File: BG055063.D
Acq: 4 Oct 2022 14:48

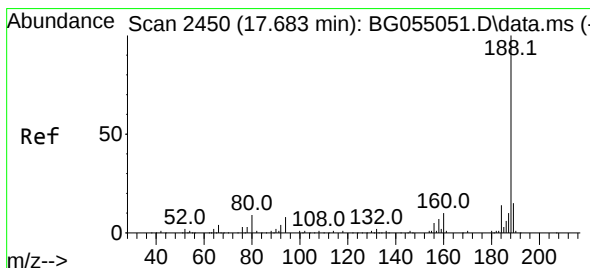
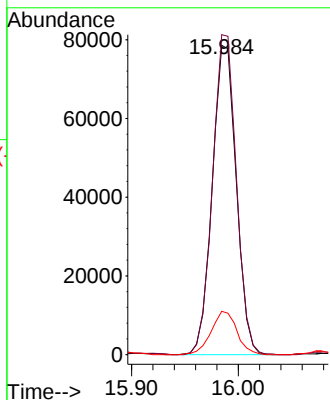
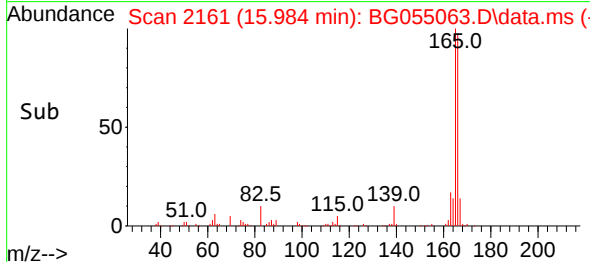
Instrument :
BNA_G
ClientSampleId :
SOIL-002-0930DL



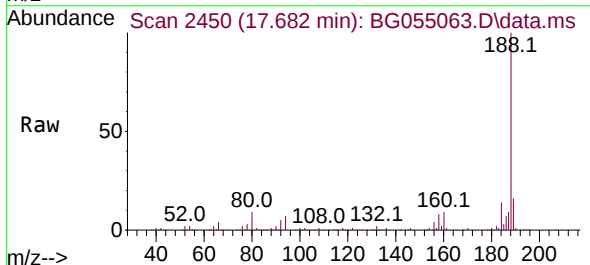
Tgt Ion:166 Resp: 122996
Ion Ratio Lower Upper
166 100
165 103.5 82.6 123.8
167 14.0 11.8 17.8

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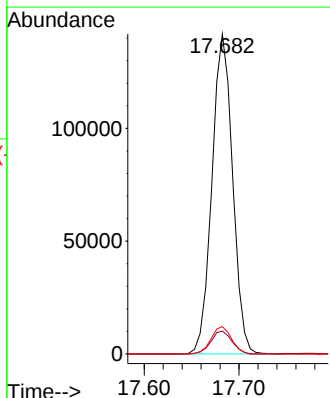
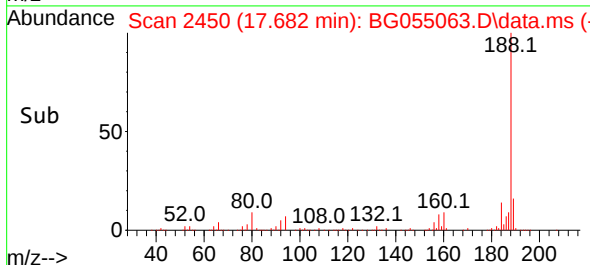
Reviewed By :Jagrut Upadhyay 10/05/2022
Supervised By :mohammad ahmed 10/06/2022

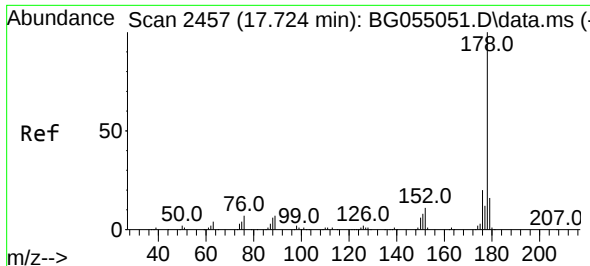


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.682 min Scan# 2450
Delta R.T. -0.000 min
Lab File: BG055063.D
Acq: 4 Oct 2022 14:48



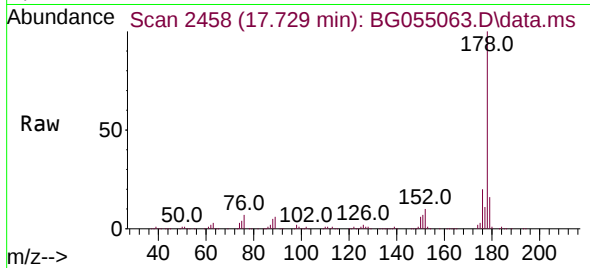
Tgt Ion:188 Resp: 214430
Ion Ratio Lower Upper
188 100
94 7.1 6.2 9.2
80 8.5 7.2 10.8





#71
Phenanthrene
Concen: 50.136 ng
RT: 17.729 min Scan# 2457
Delta R.T. 0.006 min
Lab File: BG055063.D
Acq: 4 Oct 2022 14:48

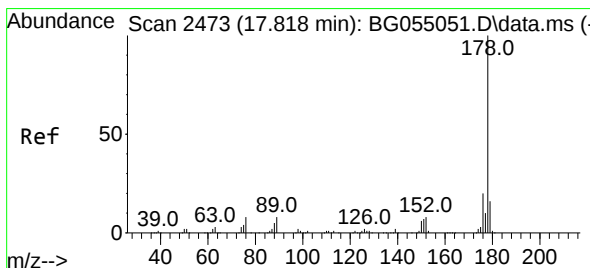
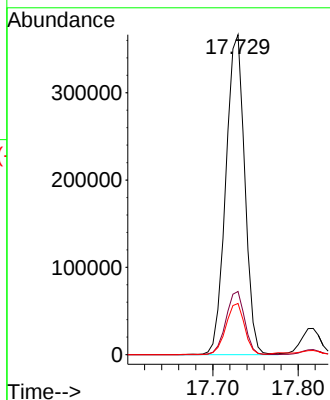
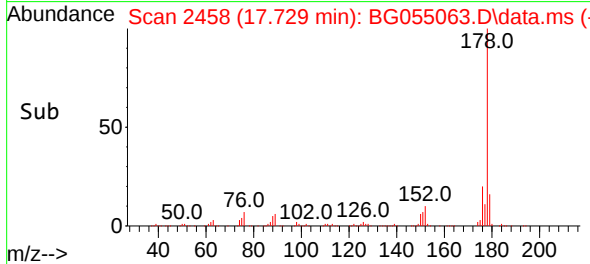
Instrument :
BNA_G
ClientSampleId :
SOIL-002-0930DL



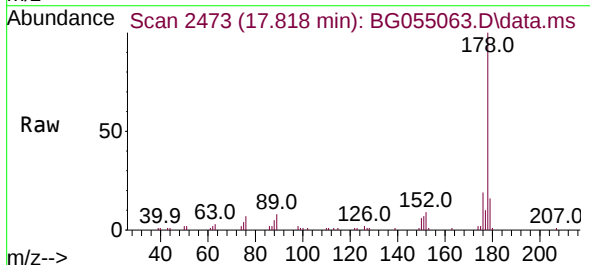
Tgt Ion:178 Resp: 564723
Ion Ratio Lower Upper
178 100
176 19.7 15.8 23.6
179 16.0 13.2 19.8

Manual Integrations
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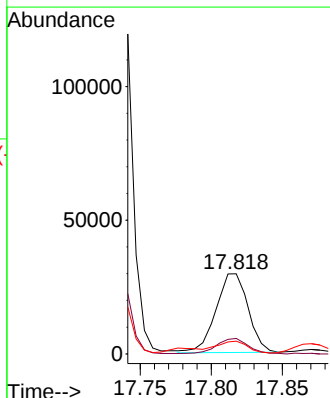
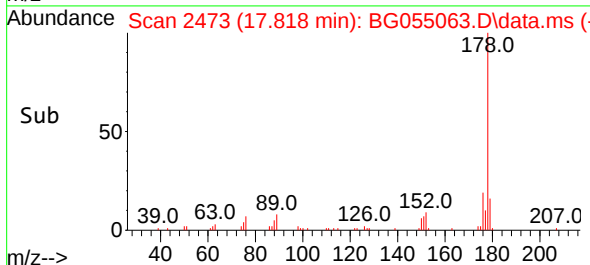
Reviewed By :Jagrut Upadhyay 10/05/2022
Supervised By :mohammad ahmed 10/06/2022

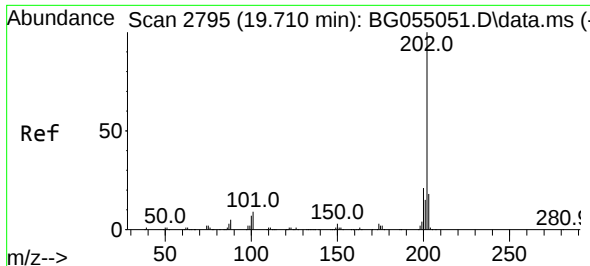


#72
Anthracene
Concen: 4.232 ng
RT: 17.818 min Scan# 2473
Delta R.T. -0.000 min
Lab File: BG055063.D
Acq: 4 Oct 2022 14:48



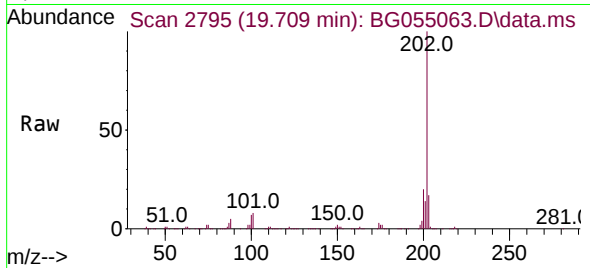
Tgt Ion:178 Resp: 46361
Ion Ratio Lower Upper
178 100
176 19.3 15.7 23.5
179 15.9 12.5 18.7





#75
Fluoranthene
Concen: 24.526 ng
RT: 19.709 min Scan# 21
Delta R.T. -0.000 min
Lab File: BG055063.D
Acq: 4 Oct 2022 14:48

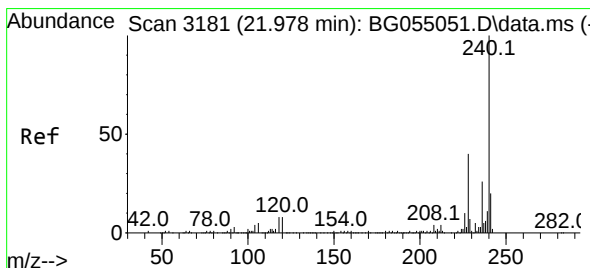
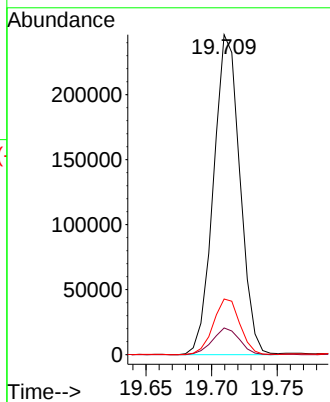
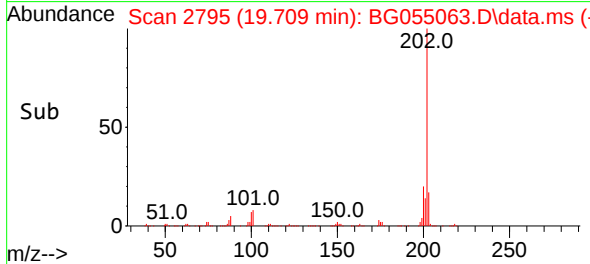
Instrument :
BNA_G
ClientSampleId :
SOIL-002-0930DL



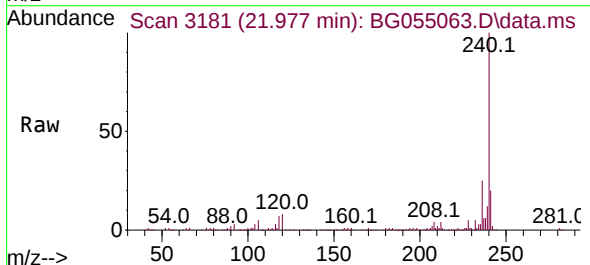
Tgt Ion:202 Resp: 344630
Ion Ratio Lower Upper
202 100
101 8.3 0.0 28.9
203 17.4 0.0 37.7

Manual Integrations
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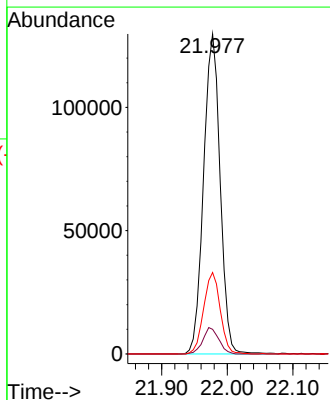
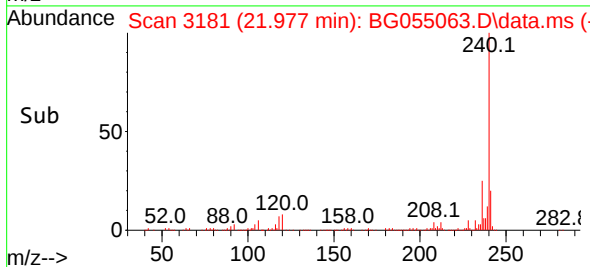
Reviewed By :Jagrut Upadhyay 10/05/2022
Supervised By :mohammad ahmed 10/06/2022

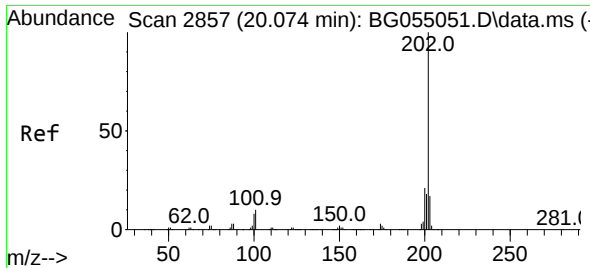


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.977 min Scan# 3181
Delta R.T. -0.000 min
Lab File: BG055063.D
Acq: 4 Oct 2022 14:48



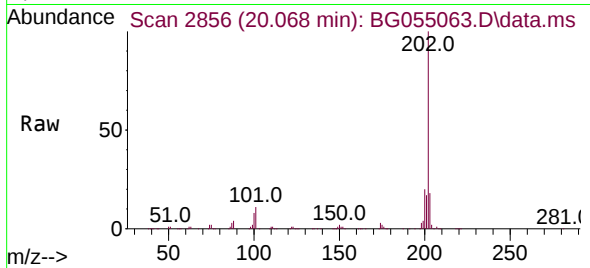
Tgt Ion:240 Resp: 226410
Ion Ratio Lower Upper
240 100
120 7.7 6.2 9.4
236 25.4 20.6 30.8





#78
 Pyrene
 Concen: 14.833 ng
 RT: 20.068 min Scan# 2856
 Delta R.T. -0.006 min
 Lab File: BG055063.D
 Acq: 4 Oct 2022 14:48

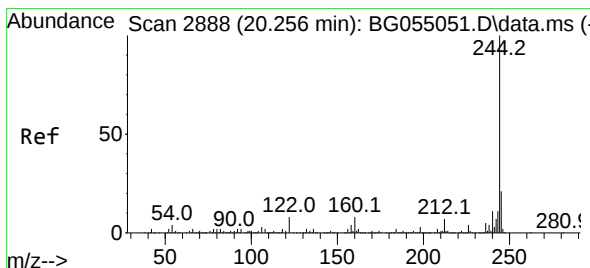
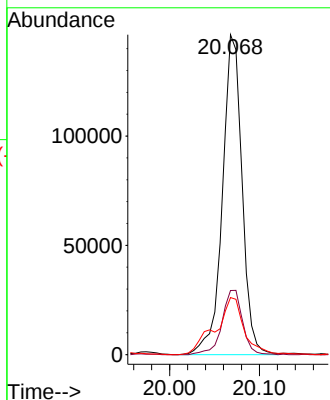
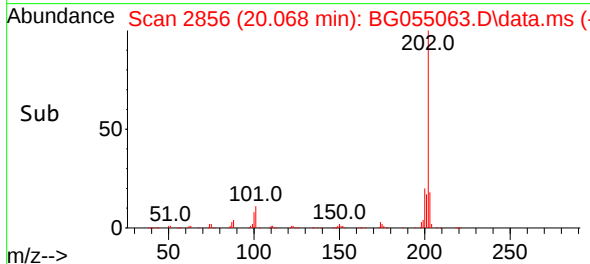
Instrument :
 BNA_G
 ClientSampleId :
 SOIL-002-0930DL



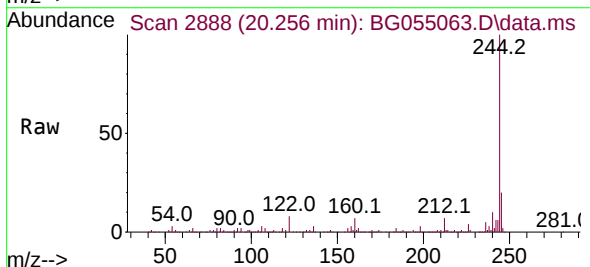
Tgt Ion:202 Resp: 223308
 Ion Ratio Lower Upper
 202 100
 200 20.0 16.6 25.0
 203 17.8 14.0 21.0

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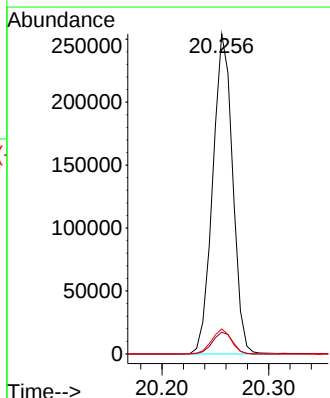
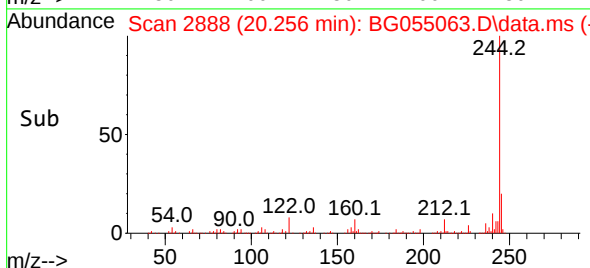
Reviewed By :Jagrut Upadhyay 10/05/2022
 Supervised By :mohammad ahmed 10/06/2022

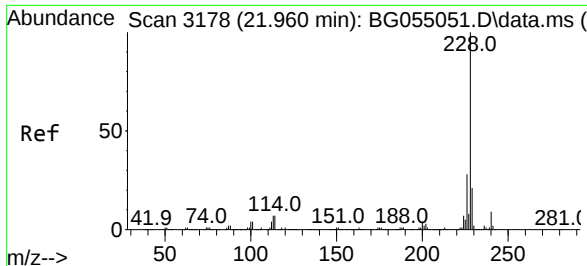


#79
 Terphenyl-d14
 Concen: 29.492 ng
 RT: 20.256 min Scan# 2888
 Delta R.T. -0.000 min
 Lab File: BG055063.D
 Acq: 4 Oct 2022 14:48



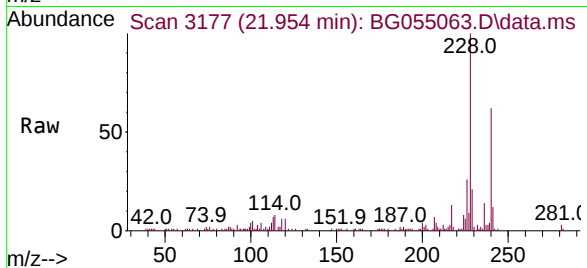
Tgt Ion:244 Resp: 330361
 Ion Ratio Lower Upper
 244 100
 212 6.8 6.0 9.0
 122 7.8 6.6 10.0





#81
Benzo(a)anthracene
Concen: 4.129 ng
RT: 21.954 min Scan# 3177
Delta R.T. -0.006 min
Lab File: BG055063.D
Acq: 4 Oct 2022 14:48

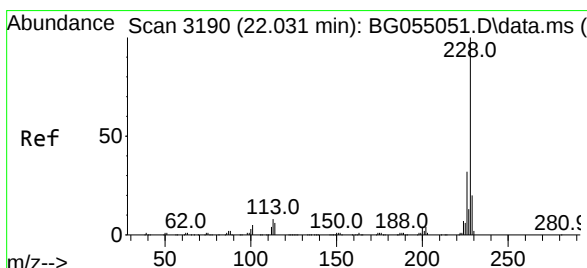
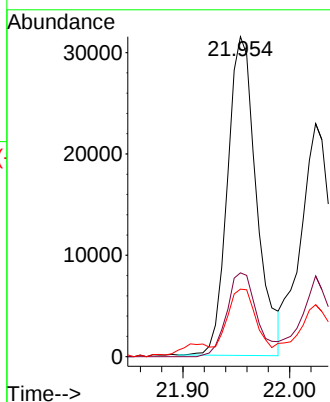
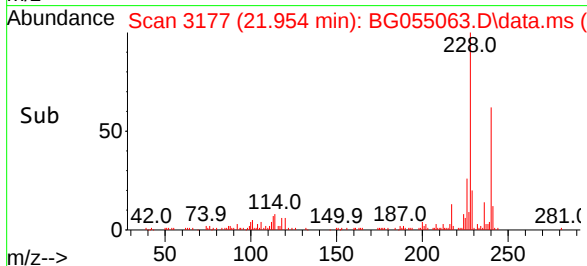
Instrument :
BNA_G
ClientSampleId :
SOIL-002-0930DL



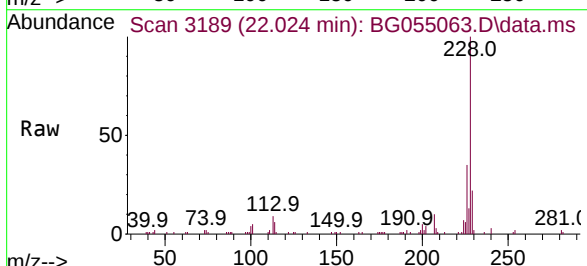
Tgt Ion:228 Resp: 59392
Ion Ratio Lower Upper
228 100
226 26.2 22.4 33.6
229 21.1 16.7 25.1

Manual Integrations
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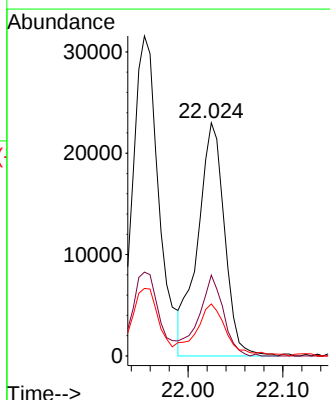
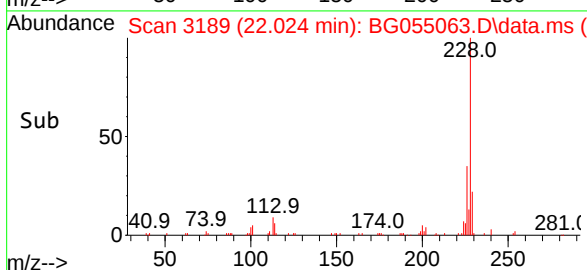
Reviewed By :Jagrut Upadhyay 10/05/2022
Supervised By :mohammad ahmed 10/06/2022

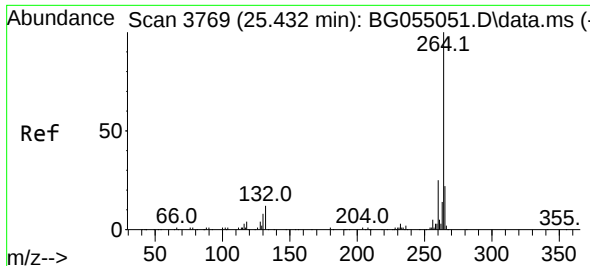


#83
Chrysene
Concen: 3.279 ng
RT: 22.024 min Scan# 3189
Delta R.T. -0.006 min
Lab File: BG055063.D
Acq: 4 Oct 2022 14:48



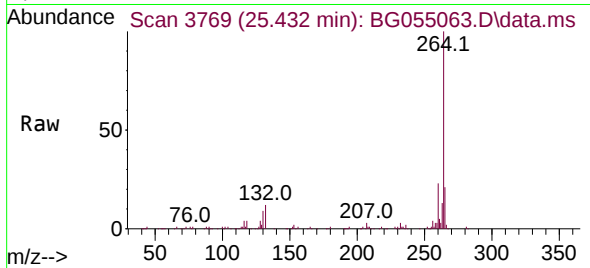
Tgt Ion:228 Resp: 45449
Ion Ratio Lower Upper
228 100
226 34.6 25.3 37.9
229 22.3 16.1 24.1





#86
Perylene-d12
Concen: 20.000 ng
RT: 25.432 min Scan# 31
Delta R.T. -0.000 min
Lab File: BG055063.D
Acq: 4 Oct 2022 14:48

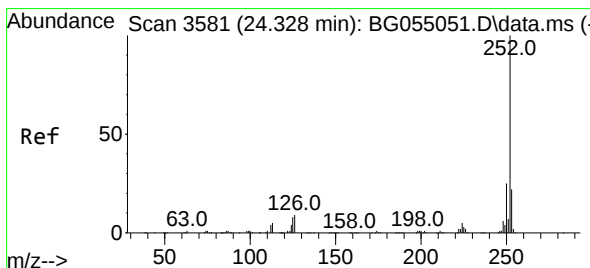
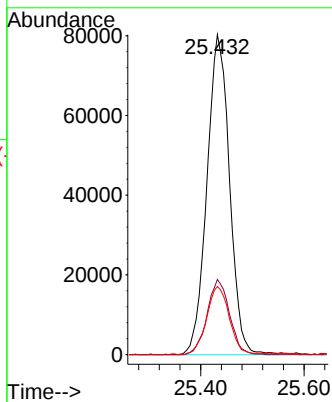
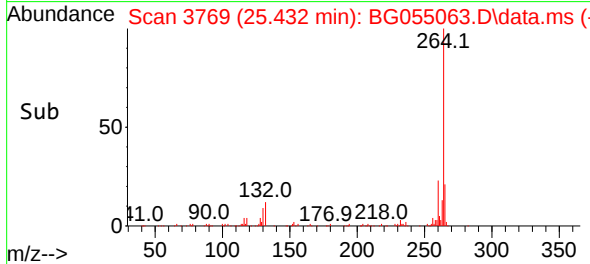
Instrument :
BNA_G
ClientSampleId :
SOIL-002-0930DL



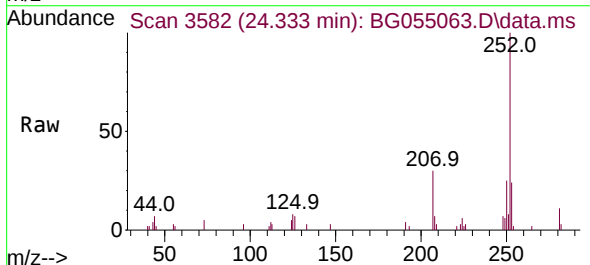
Tgt Ion:264 Resp: 243404
Ion Ratio Lower Upper
264 100
260 23.5 19.7 29.5
265 21.3 17.8 26.6

Manual Integrations
APPROVED

Reviewed By :Jagrut Upadhyay 10/05/2022
Supervised By :mohammad ahmed 10/06/2022



#88
Benzo(b)fluoranthene
Concen: 2.020 ng
RT: 24.333 min Scan# 3582
Delta R.T. 0.006 min
Lab File: BG055063.D
Acq: 4 Oct 2022 14:48



Tgt Ion:252 Resp: 28966
Ion Ratio Lower Upper
252 100
253 23.7 17.9 26.9
125 7.9 6.1 9.1

