

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG082824\
 Data File : BG062604.D
 Acq On : 28 Aug 2024 20:45
 Operator : MA/JU
 Sample : P3760-01
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SOIL-MOUND

Manual Integrations
 APPROVED

Reviewed By :Jagrut Upadhyay 08/29/2024
 Supervised By :mohammad ahmed 08/30/2024

Quant Time: Aug 29 00:28:46 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG082724.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Aug 28 00:59:59 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.932	152	89483	20.000	ng	0.00
21) Naphthalene-d8	10.723	136	362954	20.000	ng	# 0.00
39) Acenaphthene-d10	14.554	164	249004	20.000	ng	0.00
64) Phenanthrene-d10	17.297	188	571049	20.000	ng	0.00
76) Chrysene-d12	21.545	240	563225	20.000	ng	0.00
86) Perylene-d12	24.624	264	651631	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.517	112	509993	102.242	ng	0.00
7) Phenol-d6	7.103	99	686834	96.669	ng	0.00
23) Nitrobenzene-d5	9.084	82	404761	74.011	ng	0.00
42) 2,4,6-Tribromophenol	16.040	330	327852	119.193	ng	0.00
45) 2-Fluorobiphenyl	13.179	172	991467	65.472	ng	0.00
79) Terphenyl-d14	19.912	244	1800760	66.846	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	17.339	178	89437	3.252	ng	99
75) Fluoranthene	19.348	202	303003	8.801	ng	99
78) Pyrene	19.712	202	279940	7.817	ng	99
81) Benzo(a)anthracene	21.522	228	153501	4.279	ng	97
83) Chrysene	21.587	228	139516	3.975	ng	95
87) Indeno(1,2,3-cd)pyrene	28.085	276	95055	2.313	ng	97
88) Benzo(b)fluoranthene	23.643	252	186506	5.110	ng	97
90) Benzo(a)pyrene	24.477	252	141046	4.396	ng	97
92) Benzo(g,h,i)perylene	29.178	276	100010m	2.897	ng	

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

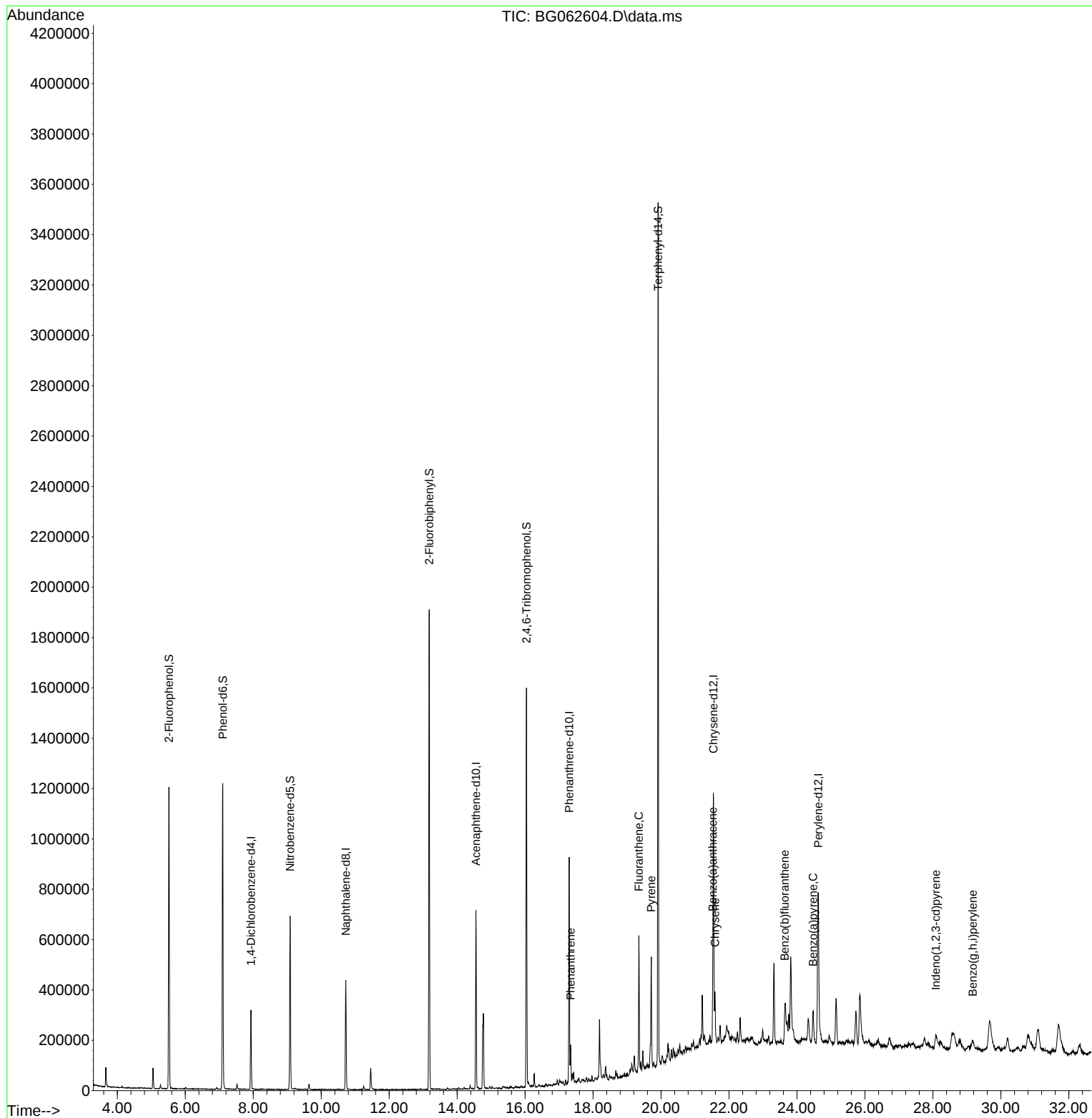
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG082824\
Data File : BG062604.D
Acq On : 28 Aug 2024 20:45
Operator : MA/JU
Sample : P3760-01
Misc :
ALS Vial : 16 Sample Multiplier: 1

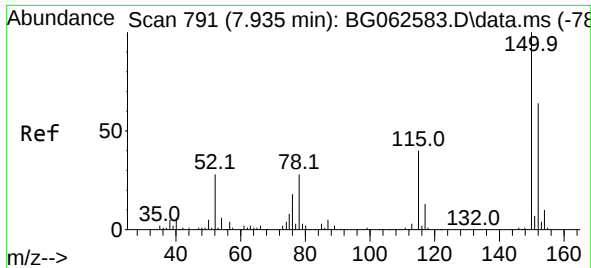
Instrument :
BNA_G
ClientSampleId :
SOIL-MOUND

Quant Time: Aug 29 00:28:46 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG082724.M
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#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.932 min Scan# 791
Delta R.T. -0.003 min
Lab File: BG062604.D
Acq: 28 Aug 2024 20:45

Instrument :

BNA_G

ClientSampleId :

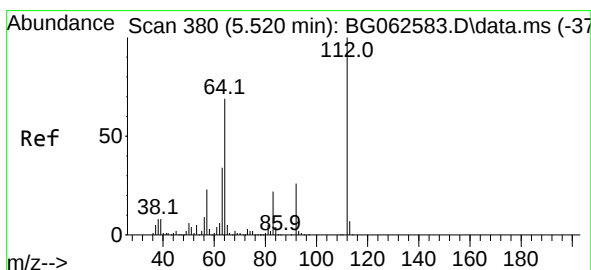
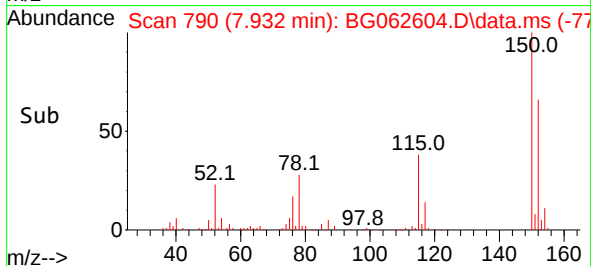
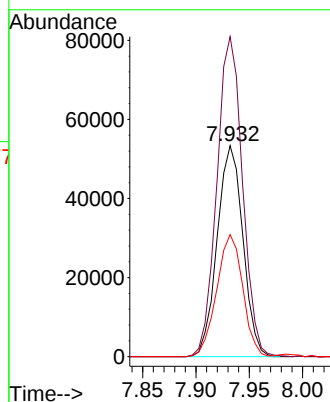
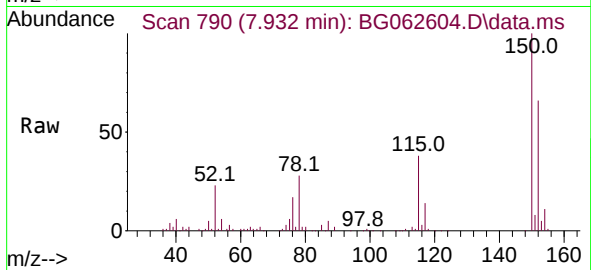
SOIL-MOUND

Tgt Ion:152 Resp: 8948
Ion Ratio Lower Upper
152 100
150 151.6 125.1 187.7
115 57.8 50.6 76.0

Manual Integrations

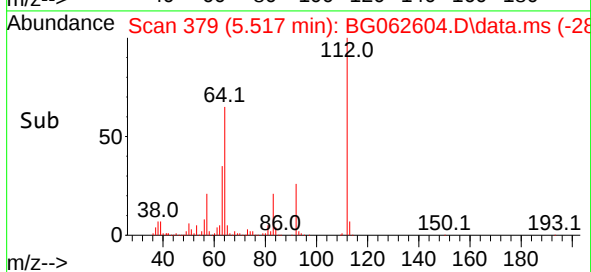
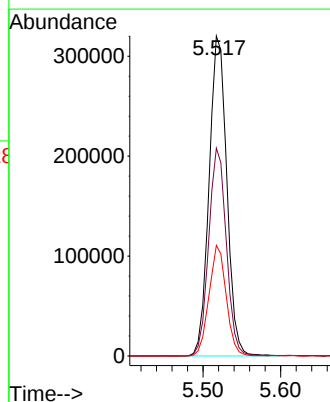
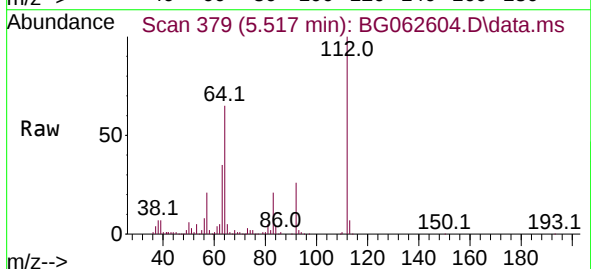
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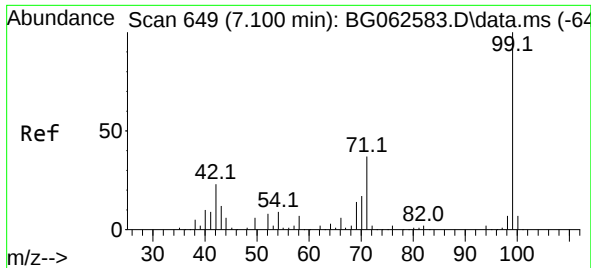
Reviewed By :Jagrut Upadhyay 08/29/2024
Supervised By :mohammad ahmed 08/30/2024



#5
2-Fluorophenol
Concen: 102.242 ng
RT: 5.517 min Scan# 379
Delta R.T. -0.003 min
Lab File: BG062604.D
Acq: 28 Aug 2024 20:45

Tgt Ion:112 Resp: 509993
Ion Ratio Lower Upper
112 100
64 64.9 55.5 83.3
63 34.6 27.4 41.2





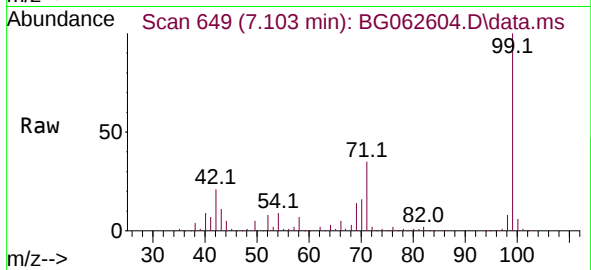
#7
Phenol-d6
Concen: 96.669 ng
RT: 7.103 min Scan# 64
Delta R.T. 0.003 min
Lab File: BG062604.D
Acq: 28 Aug 2024 20:45

Instrument :

BNA_G

ClientSampleId :

SOIL-MOUND

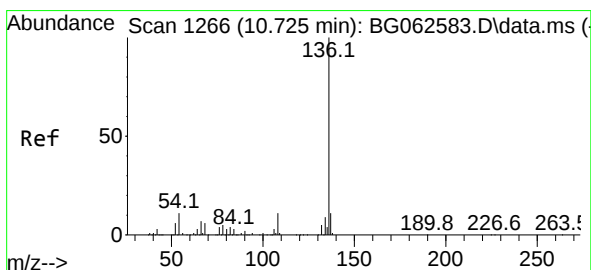
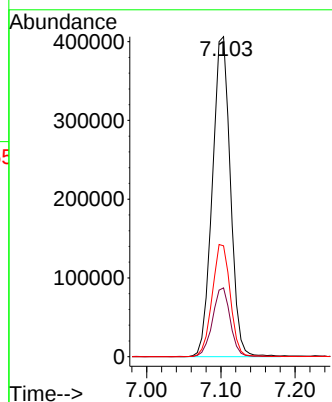
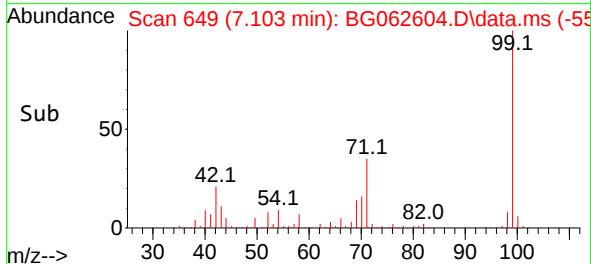


Tgt Ion: 99 Resp: 686834
Ion Ratio Lower Upper
99 100
42 21.5 18.7 28.1
71 34.7 29.8 44.6

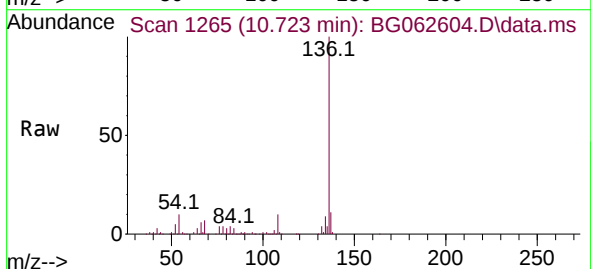
Manual Integrations

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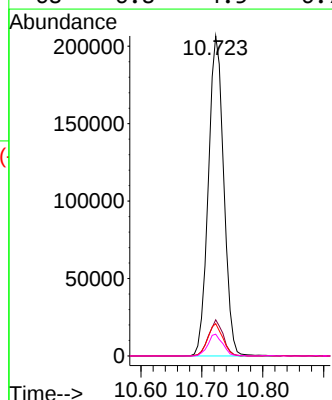
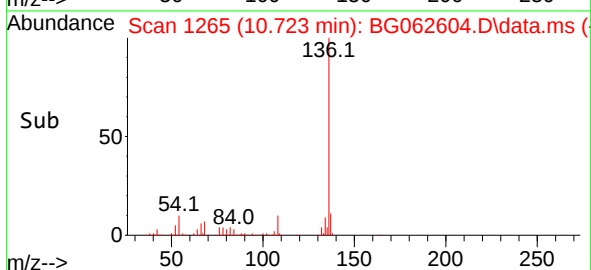
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Supervised By :mohammad ahmed 08/30/2024

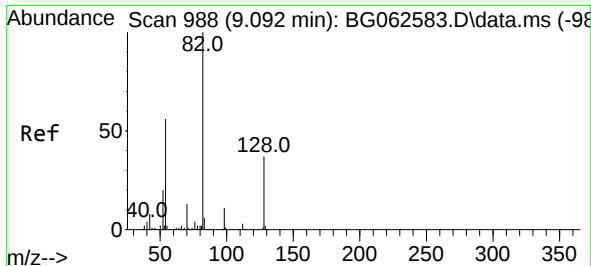


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.723 min Scan# 1265
Delta R.T. -0.003 min
Lab File: BG062604.D
Acq: 28 Aug 2024 20:45



Tgt Ion:136 Resp: 362954
Ion Ratio Lower Upper
136 100
137 11.3 8.8 13.2
54 10.1 9.0 13.4
68 6.8 4.5 6.7#





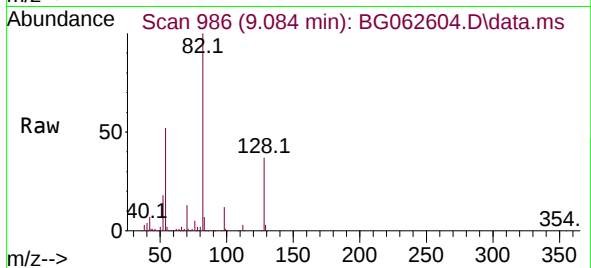
#23
Nitrobenzene-d5
Concen: 74.011 ng
RT: 9.084 min Scan# 91
Delta R.T. -0.009 min
Lab File: BG062604.D
Acq: 28 Aug 2024 20:45

Instrument :

BNA_G

ClientSampleId :

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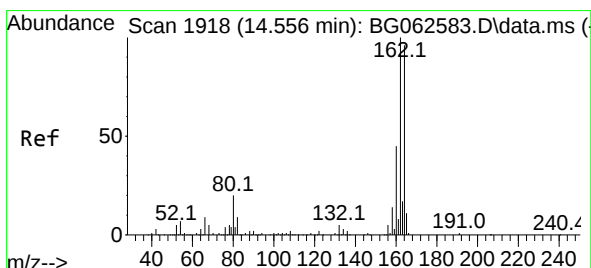
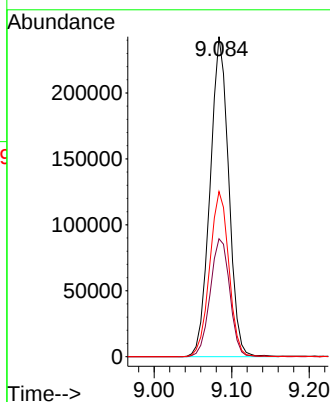
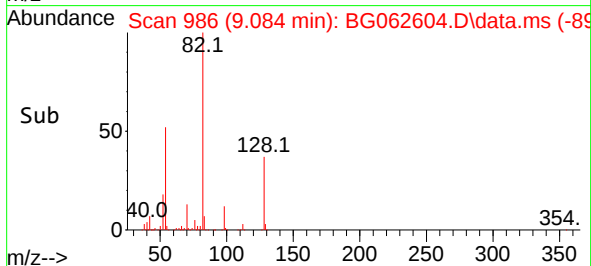


Tgt Ion: 82 Resp: 40476
Ion Ratio Lower Upper
82 100
128 36.9 29.7 44.5
54 51.6 44.4 66.6

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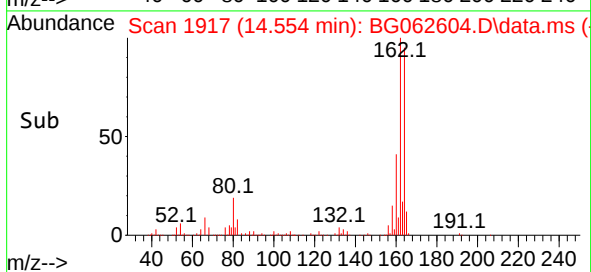
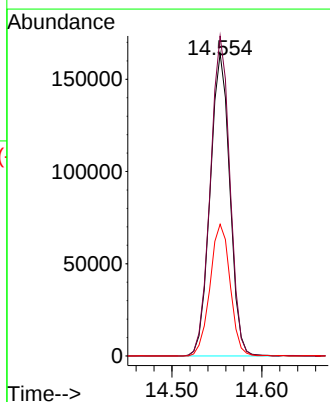
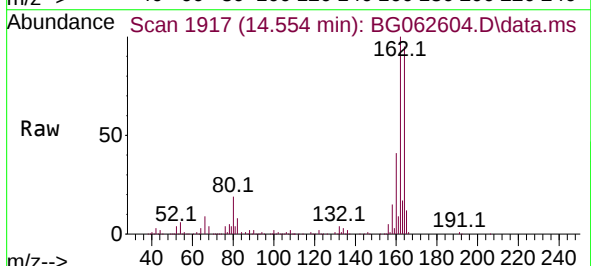
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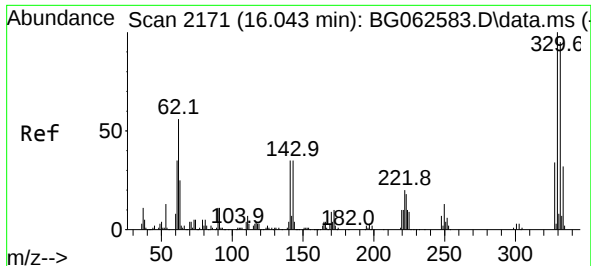
Reviewed By :Jagrut Upadhyay 08/29/2024
Supervised By :mohammad ahmed 08/30/2024



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.554 min Scan# 1917
Delta R.T. -0.003 min
Lab File: BG062604.D
Acq: 28 Aug 2024 20:45

Tgt Ion:164 Resp: 249004
Ion Ratio Lower Upper
164 100
162 105.8 83.0 124.6
160 43.5 37.7 56.5





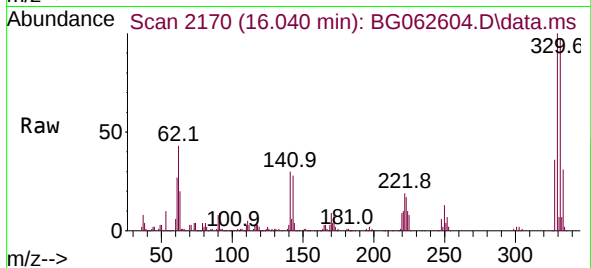
#42
2,4,6-Tribromophenol
Concen: 119.193 ng
RT: 16.040 min Scan# 2170
Delta R.T. -0.003 min
Lab File: BG062604.D
Acq: 28 Aug 2024 20:45

Instrument :

BNA_G

ClientSampleId :

SOIL-MOUND

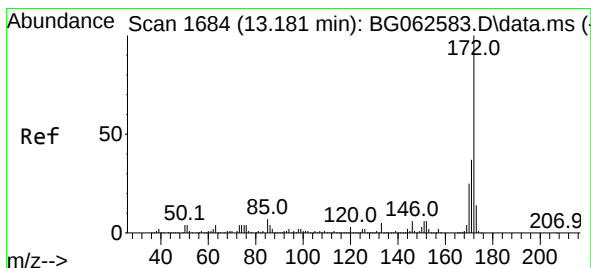
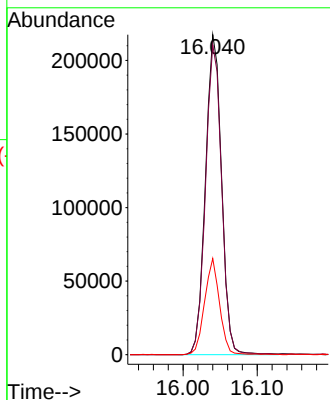
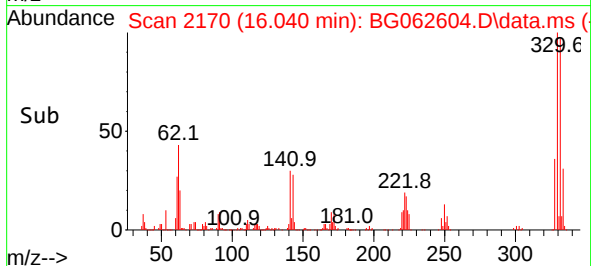


Tgt Ion:330 Resp: 327852
Ion Ratio Lower Upper
330 100
332 97.1 77.6 116.4
141 28.1 26.5 39.7

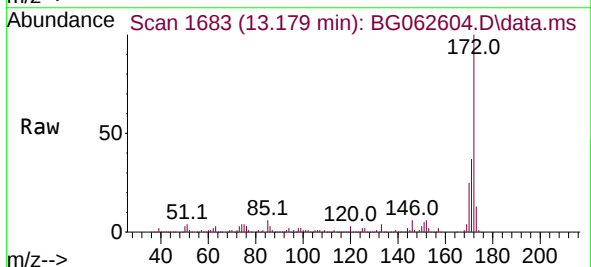
Manual Integrations

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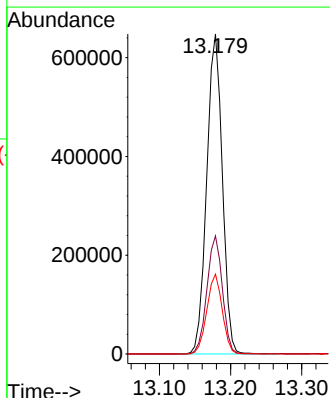
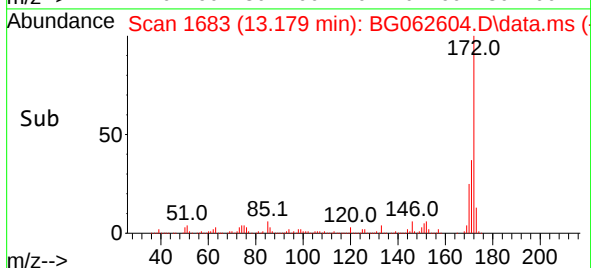
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Supervised By :mohammad ahmed 08/30/2024

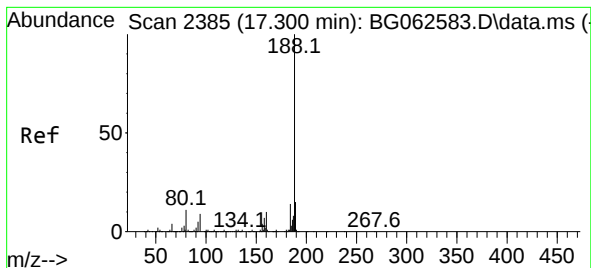


#45
2-Fluorobiphenyl
Concen: 65.472 ng
RT: 13.179 min Scan# 1683
Delta R.T. -0.003 min
Lab File: BG062604.D
Acq: 28 Aug 2024 20:45



Tgt Ion:172 Resp: 991467
Ion Ratio Lower Upper
172 100
171 36.9 29.7 44.5
170 25.0 20.1 30.1





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.297 min Scan# 21

Delta R.T. -0.003 min

Lab File: BG062604.D

Acq: 28 Aug 2024 20:45

Instrument :

BNA_G

ClientSampleId :

SOIL-MOUND

Tgt Ion:188 Resp: 571049

Ion Ratio Lower Upper

188 100

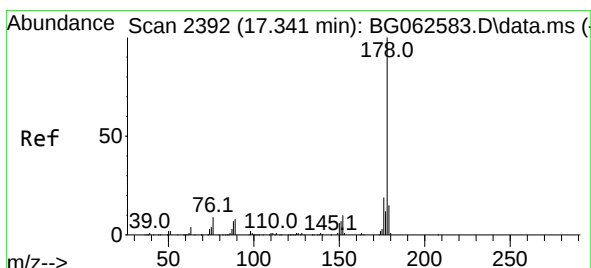
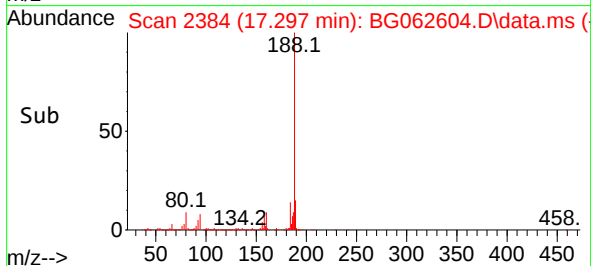
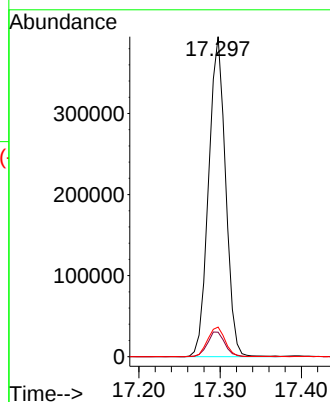
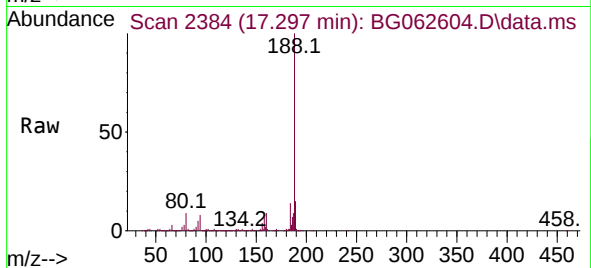
94 7.7 7.0 10.6

80 9.2 8.4 12.6

Manual Integrations

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Supervised By :mohammad ahmed 08/30/2024



#71

Phenanthrene

Concen: 3.252 ng

RT: 17.339 min Scan# 2391

Delta R.T. -0.003 min

Lab File: BG062604.D

Acq: 28 Aug 2024 20:45

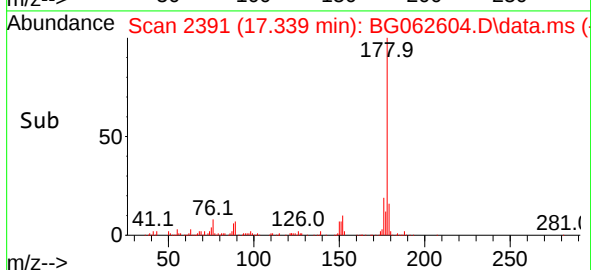
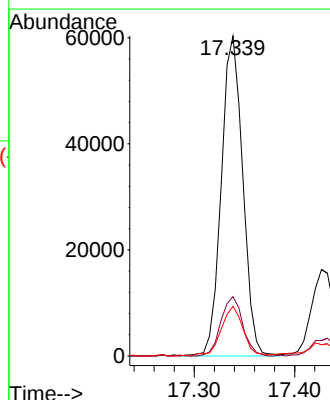
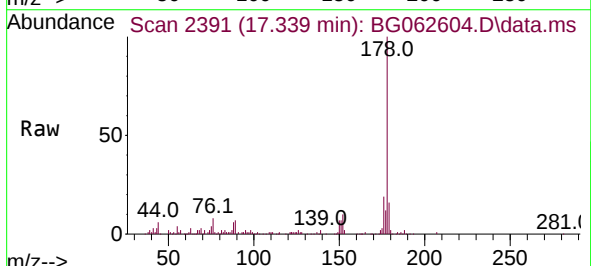
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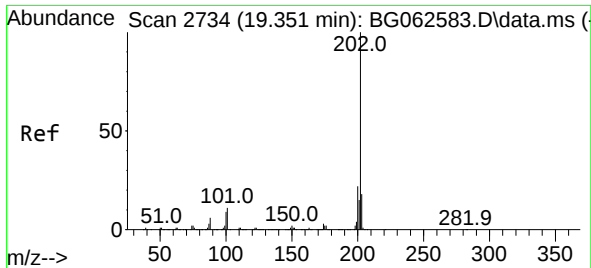
Ion Ratio Lower Upper

178 100

176 18.6 15.3 22.9

179 15.5 12.1 18.1





#75
Fluoranthene
Concen: 8.801 ng
RT: 19.348 min Scan# 21
Delta R.T. -0.003 min
Lab File: BG062604.D
Acq: 28 Aug 2024 20:45

Instrument :

BNA_G

ClientSampleId :

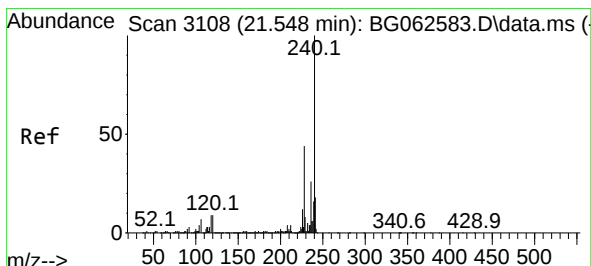
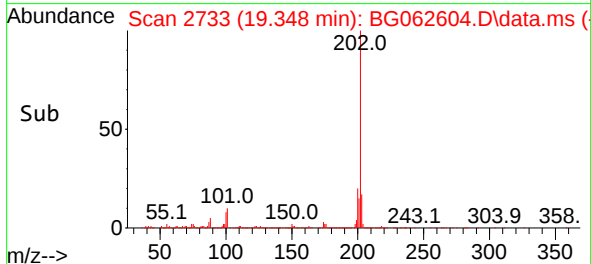
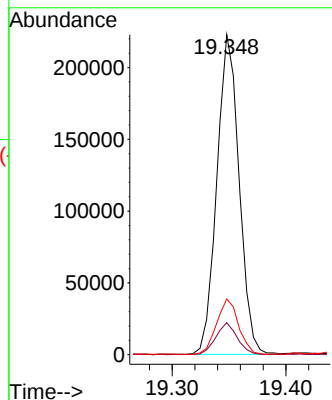
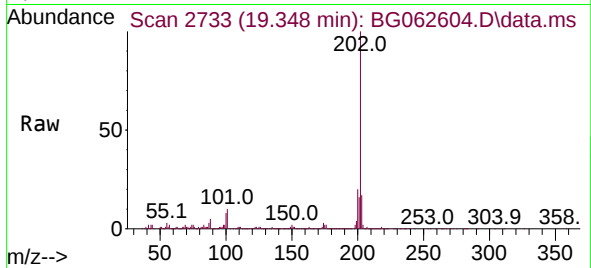
SOIL-MOUND

Tgt Ion:202 Resp: 303000
Ion Ratio Lower Upper
202 100
101 10.0 0.0 30.8
203 17.4 0.0 37.6

Manual Integrations

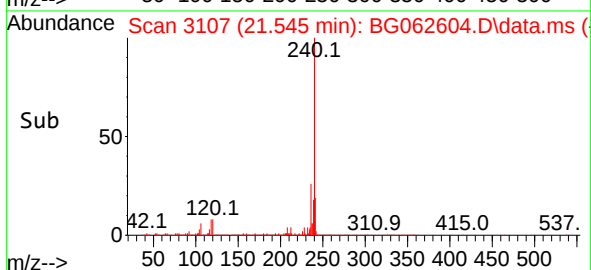
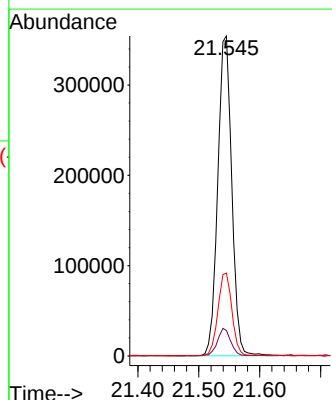
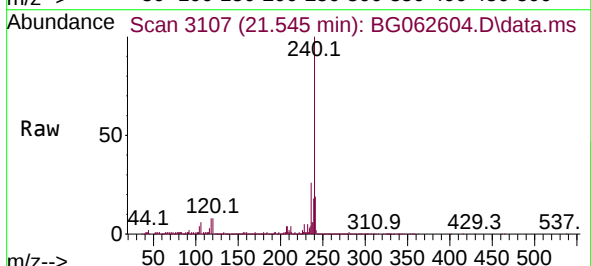
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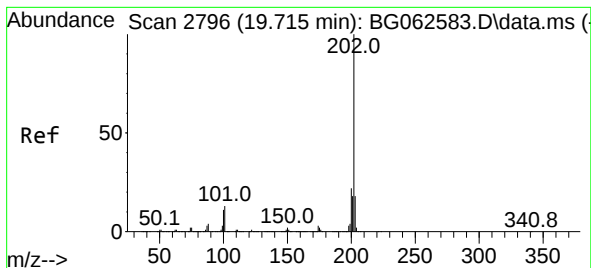
Reviewed By :Jagrut Upadhyay 08/29/2024
Supervised By :mohammad ahmed 08/30/2024



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.545 min Scan# 3107
Delta R.T. -0.003 min
Lab File: BG062604.D
Acq: 28 Aug 2024 20:45

Tgt Ion:240 Resp: 563225
Ion Ratio Lower Upper
240 100
120 8.0 7.4 11.0
236 25.9 20.5 30.7





#78

Pyrene

Concen: 7.817 ng

RT: 19.712 min Scan# 21

Delta R.T. -0.003 min

Lab File: BG062604.D

Acq: 28 Aug 2024 20:45

Instrument :

BNA_G

ClientSampleId :

SOIL-MOUND

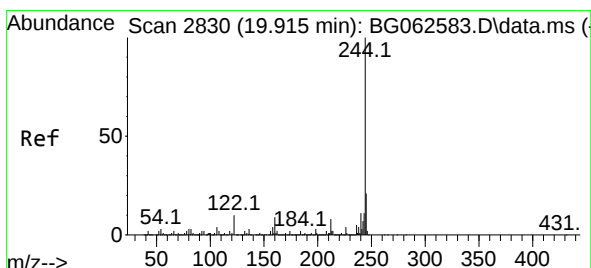
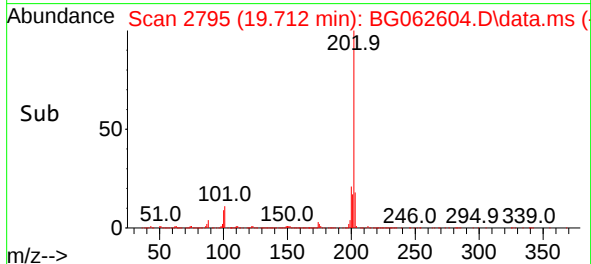
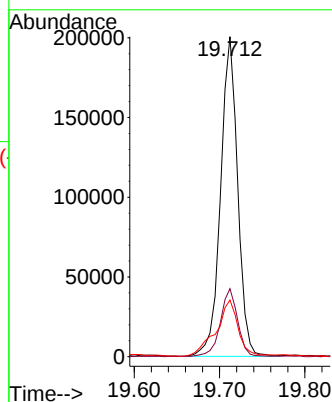
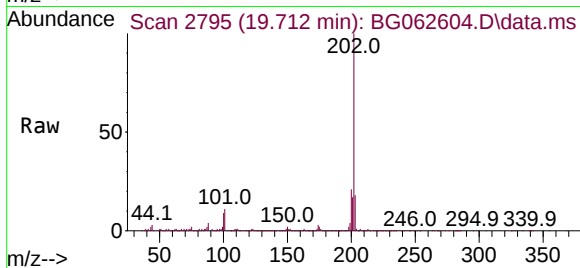
Tgt Ion:202 Resp: 279940

Ion	Ratio	Lower	Upper
202	100		
200	21.2	17.7	26.5
203	17.7	14.3	21.5

Manual Integrations

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#79

Terphenyl-d14

Concen: 66.846 ng

RT: 19.912 min Scan# 2829

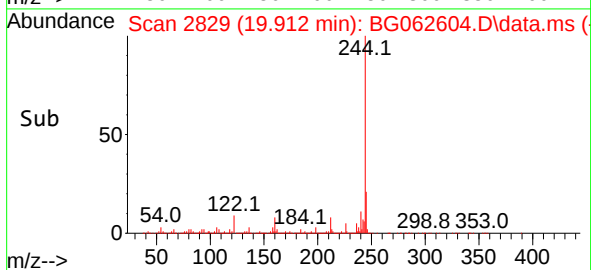
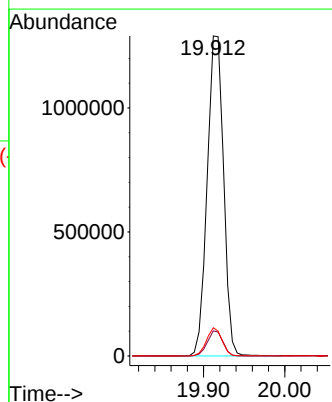
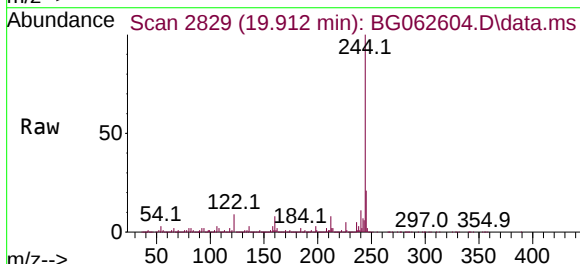
Delta R.T. -0.003 min

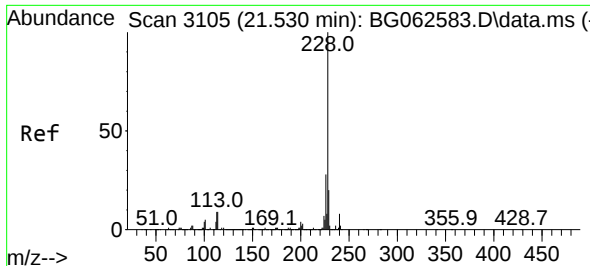
Lab File: BG062604.D

Acq: 28 Aug 2024 20:45

Tgt Ion:244 Resp: 1800760

Ion	Ratio	Lower	Upper
244	100		
212	7.9	6.7	10.1
122	8.8	8.4	12.6





#81
Benzo(a)anthracene
Concen: 4.279 ng
RT: 21.522 min Scan# 3105
Delta R.T. -0.009 min
Lab File: BG062604.D
Acq: 28 Aug 2024 20:45

Instrument :

BNA_G

ClientSampleId :

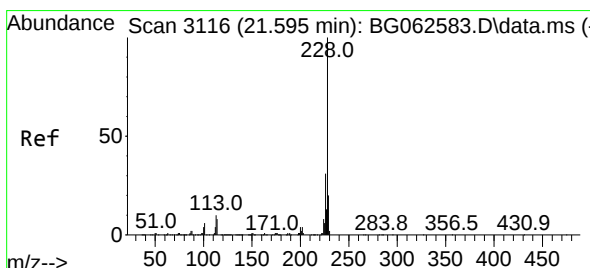
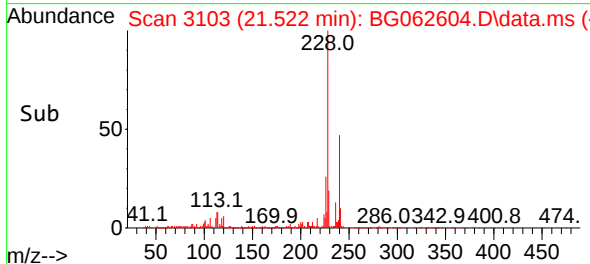
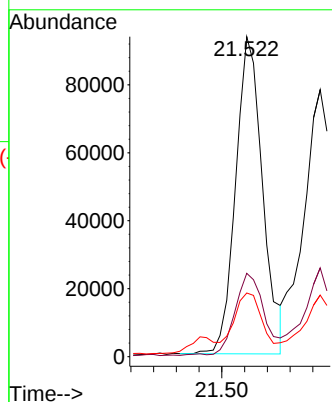
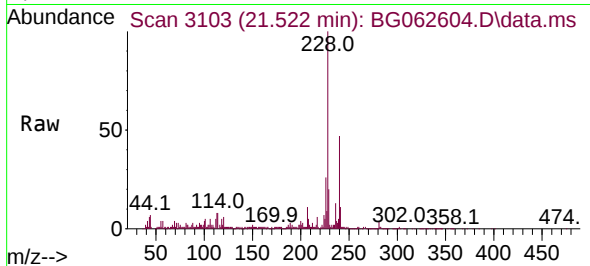
SOIL-MOUND

Tgt Ion:228 Resp: 15350
Ion Ratio Lower Upper
228 100
226 26.1 22.6 33.8
229 19.9 16.2 24.2

Manual Integrations

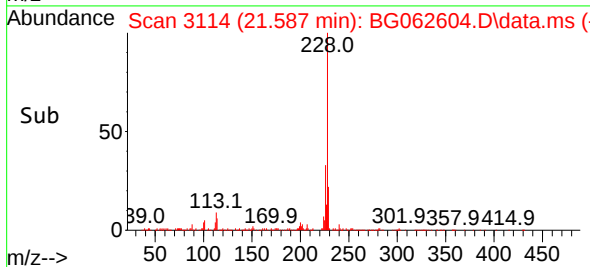
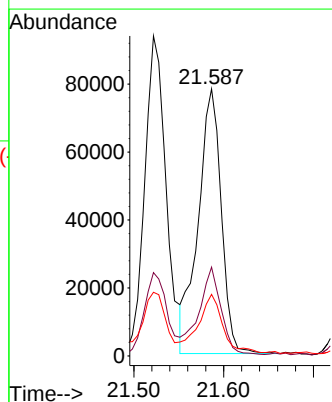
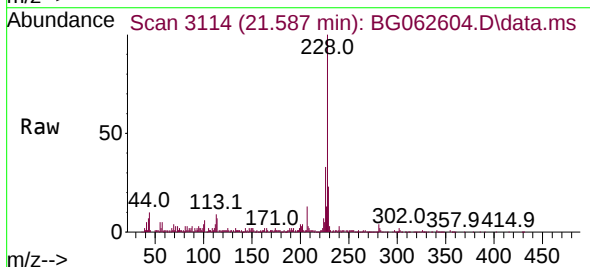
APPROVED

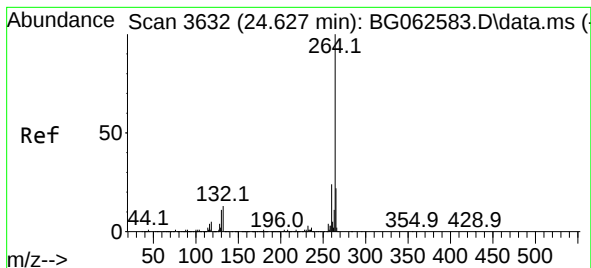
Reviewed By :Jagrut Upadhyay 08/29/2024
Supervised By :mohammad ahmed 08/30/2024



#83
Chrysene
Concen: 3.975 ng
RT: 21.587 min Scan# 3114
Delta R.T. -0.009 min
Lab File: BG062604.D
Acq: 28 Aug 2024 20:45

Tgt Ion:228 Resp: 139516
Ion Ratio Lower Upper
228 100
226 33.3 24.6 37.0
229 23.1 16.1 24.1





#86

Perylene-d12

Concen: 20.000 ng

RT: 24.624 min Scan# 30

Delta R.T. -0.003 min

Lab File: BG062604.D

Acq: 28 Aug 2024 20:45

Instrument :

BNA_G

ClientSampleId :

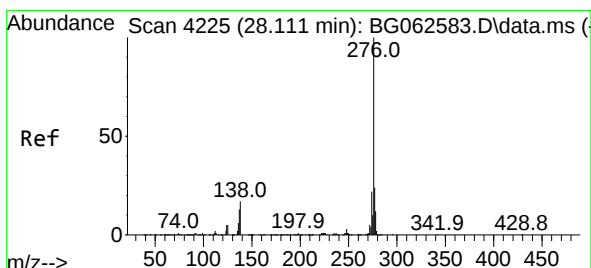
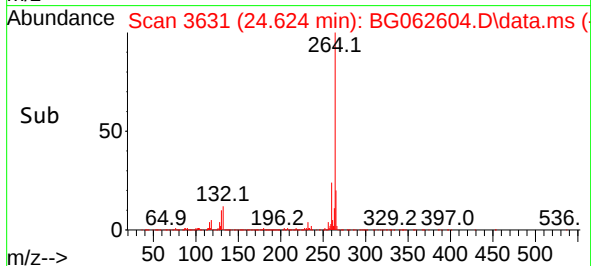
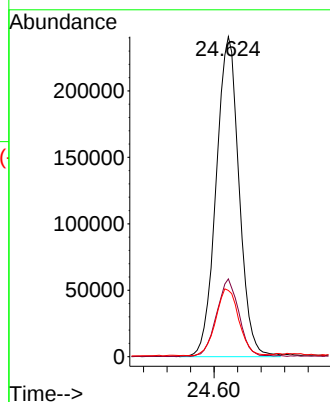
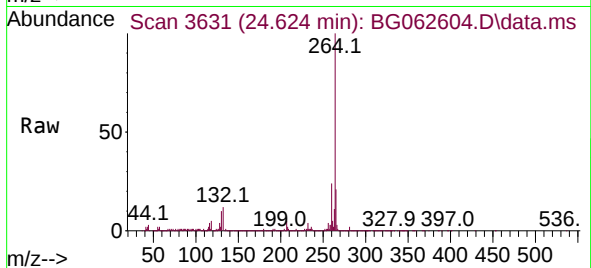
SOIL-MOUND

Tgt Ion:264	Resp: 65163
Ion Ratio	Lower Upper
264 100	
260 24.3	19.0 28.4
265 20.7	17.8 26.6

Manual Integrations

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Reviewed By :Jagrut Upadhyay 08/29/2024
Supervised By :mohammad ahmed 08/30/2024



#87

Indeno(1,2,3-cd)pyrene

Concen: 2.313 ng

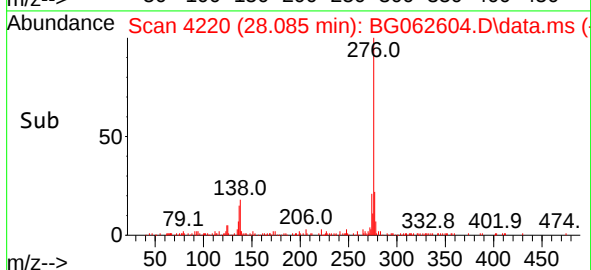
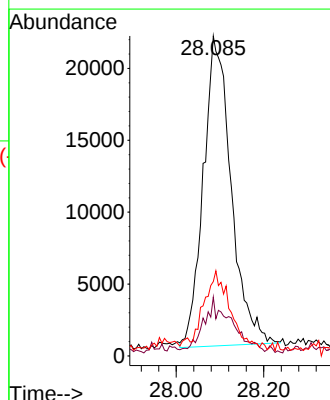
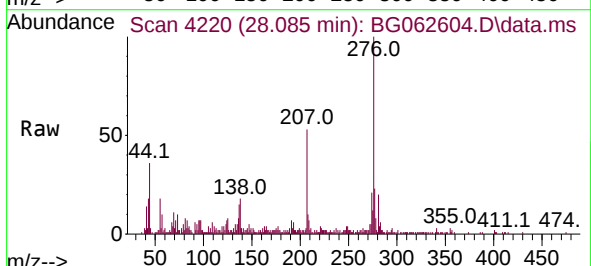
RT: 28.085 min Scan# 4220

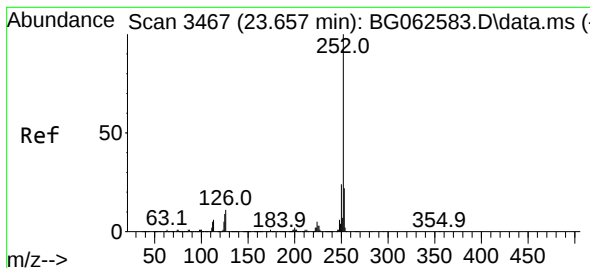
Delta R.T. -0.026 min

Lab File: BG062604.D

Acq: 28 Aug 2024 20:45

Tgt Ion:276	Resp: 95055
Ion Ratio	Lower Upper
276 100	
138 18.1	12.6 18.8
277 24.1	20.1 30.1





#88

Benzo(b)fluoranthene

Concen: 5.110 ng

RT: 23.643 min Scan# 34

Delta R.T. -0.014 min

Lab File: BG062604.D

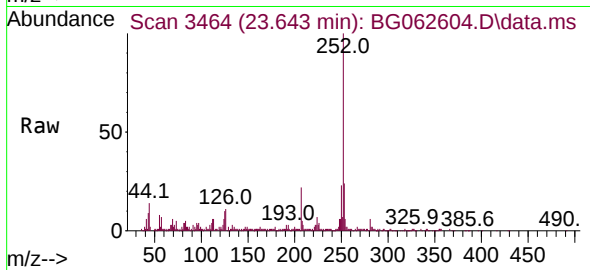
Acq: 28 Aug 2024 20:45

Instrument :

BNA_G

ClientSampleId :

SOIL-MOUND



Tgt Ion:252 Resp: 186500

Ion Ratio Lower Upper

252 100

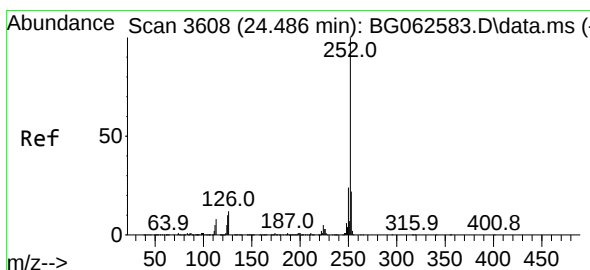
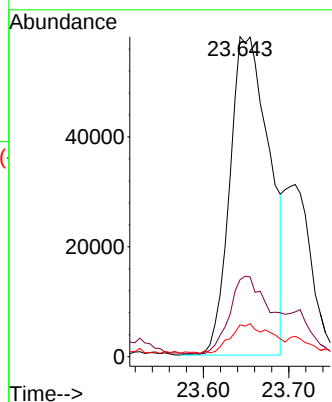
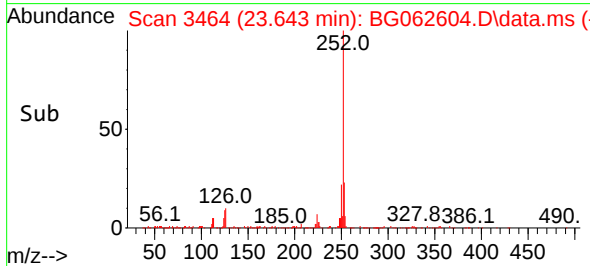
253 24.1 17.9 26.9

125 9.9 7.3 10.9

Manual Integrations

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Reviewed By :Jagrut Upadhyay 08/29/2024
Supervised By :mohammad ahmed 08/30/2024



#90

Benzo(a)pyrene

Concen: 4.396 ng

RT: 24.477 min Scan# 3606

Delta R.T. -0.009 min

Lab File: BG062604.D

Acq: 28 Aug 2024 20:45

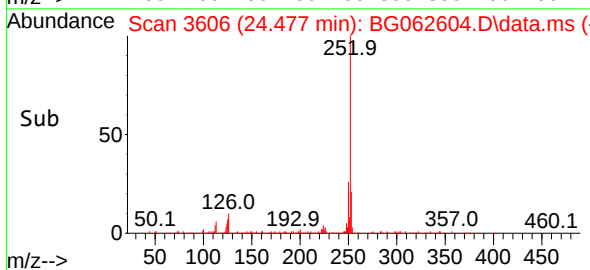
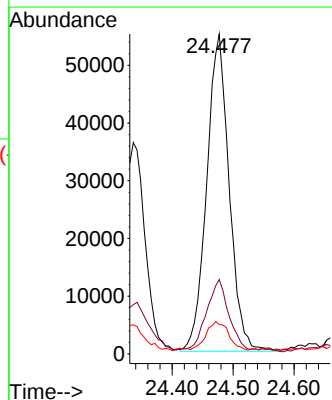
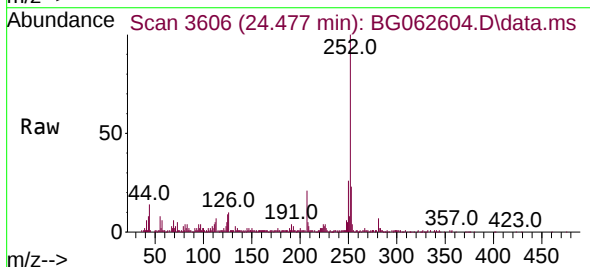
Tgt Ion:252 Resp: 141046

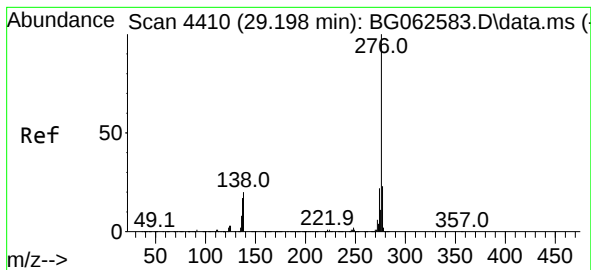
Ion Ratio Lower Upper

252 100

253 23.3 17.4 26.2

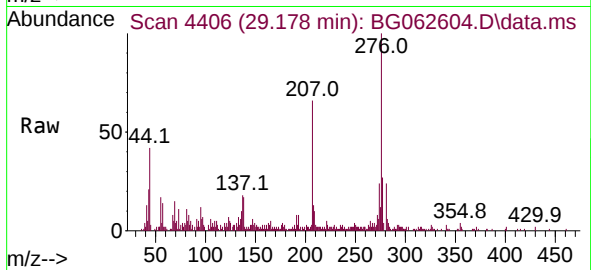
125 9.2 7.9 11.9





#92
 Benzo(g,h,i)perylene
 Concen: 2.897 ng m
 RT: 29.178 min Scan# 4410
 Delta R.T. -0.020 min
 Lab File: BG062604.D
 Acq: 28 Aug 2024 20:45

Instrument :
 BNA_G
 ClientSampleId :
 SOIL-MOUND



Tgt Ion: 276 Resp: 100010
 Ion Ratio Lower Upper
 276 100
 277 26.7 18.8 28.2
 138 16.8 15.8 23.6

Manual Integrations
 APPROVED

Reviewed By :Jagrut Upadhyay 08/29/2024
 Supervised By :mohammad ahmed 08/30/2024

