

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG050624\
 Data File : BG061120.D
 Acq On : 6 May 2024 14:46
 Operator : MA/JU
 Sample : P2390-02
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 BG-1

Manual Integrations
 APPROVED

Reviewed By :Jagrut Upadhyay 05/07/2024
 Supervised By :mohammad ahmed 05/08/2024

Quant Time: May 06 15:43:37 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG043024.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed May 01 05:11:25 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.935	152	28925	20.000	ng	-0.03
21) Naphthalene-d8	10.732	136	113356	20.000	ng	-0.03
39) Acenaphthene-d10	14.563	164	86829	20.000	ng	-0.03
64) Phenanthrene-d10	17.312	188	192104	20.000	ng	-0.02
76) Chrysene-d12	21.572	240	191825	20.000	ng	-0.02
86) Perylene-d12	24.692	264	160802	20.000	ng	-0.04
System Monitoring Compounds						
5) 2-Fluorophenol	5.526	112	102551	72.104	ng	-0.02
7) Phenol-d6	7.107	99	148777	70.712	ng	-0.03
23) Nitrobenzene-d5	9.092	82	112578	49.232	ng	-0.03
42) 2,4,6-Tribromophenol	16.055	330	116377	67.054	ng	-0.02
45) 2-Fluorobiphenyl	13.188	172	301831	51.402	ng	-0.02
79) Terphenyl-d14	19.933	244	515516	44.696	ng	-0.02
Target Compounds						Qvalue
71) Phenanthrene	17.353	178	38562	4.390	ng	99
75) Fluoranthene	19.369	202	98345	8.173	ng	96
78) Pyrene	19.727	202	74407	6.101	ng	97
81) Benzo(a)anthracene	21.548	228	36796	2.931	ng	# 90
83) Chrysene	21.613	228	47741	4.059	ng	# 95
88) Benzo(b)fluoranthene	23.711	252	46166	5.138	ng	# 93
89) Benzo(k)fluoranthene	23.764	252	27725m	3.207	ng	
90) Benzo(a)pyrene	24.545	252	25852	3.302	ng	# 94

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

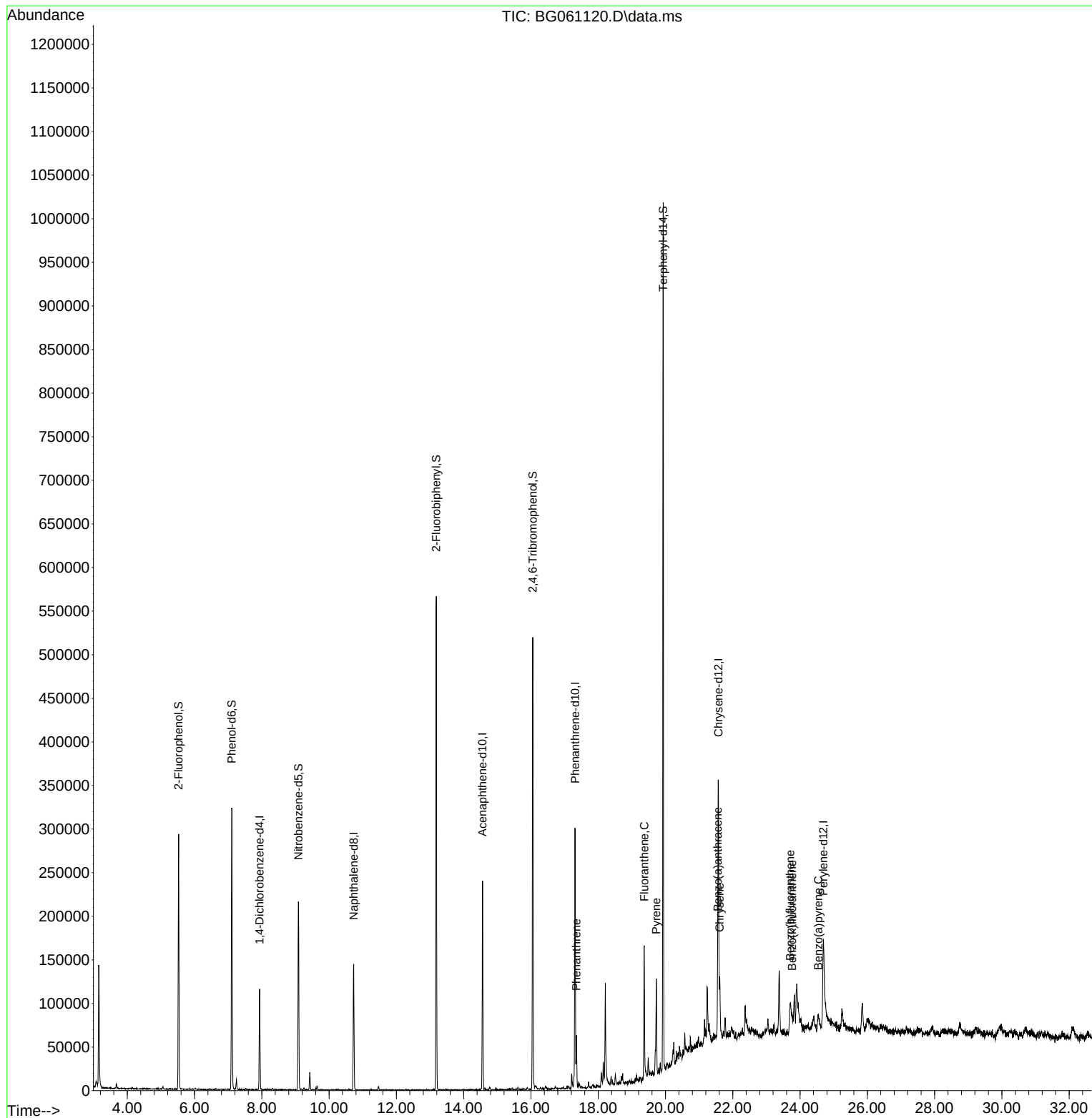
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG050624\
Data File : BG061120.D
Acq On : 6 May 2024 14:46
Operator : MA/JU
Sample : P2390-02
Misc :
ALS Vial : 6 Sample Multiplier: 1

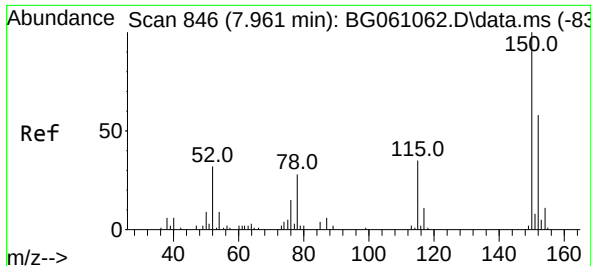
Instrument :
BNA_G
ClientSampleId :
BG-1

Quant Time: May 06 15:43:37 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG043024.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed May 01 05:11:25 2024
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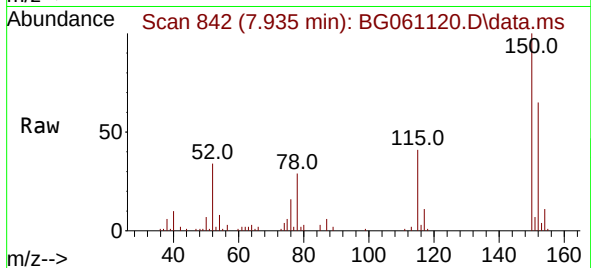
Reviewed By :Jagrut Upadhyay 05/07/2024
Supervised By :mohammad ahmed 05/08/2024





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.935 min Scan# 846
Delta R.T. -0.026 min
Lab File: BG061120.D
Acq: 6 May 2024 14:46

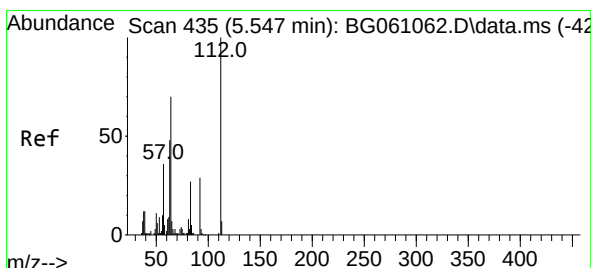
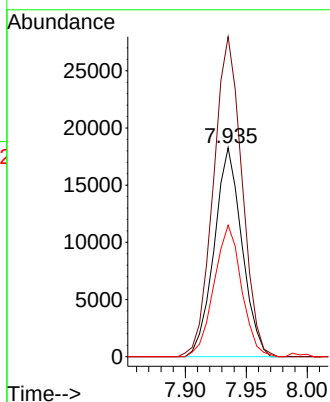
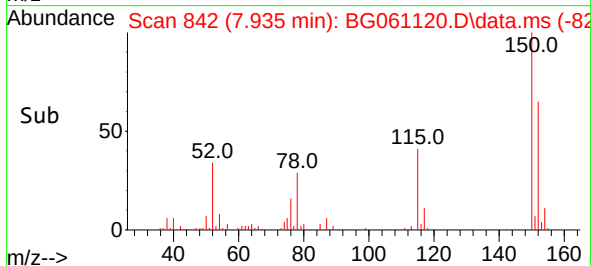
Instrument :
BNA_G
ClientSampleId :
BG-1



Tgt Ion:152 Resp: 28925
Ion Ratio Lower Upper
152 100
150 153.2 138.3 207.5
115 62.9 48.0 72.0

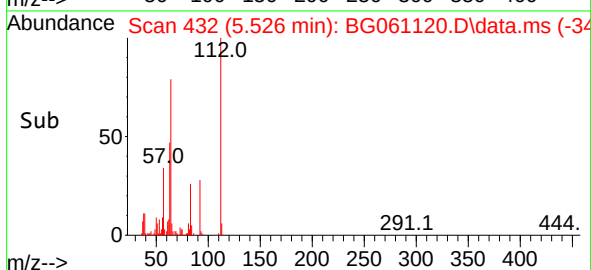
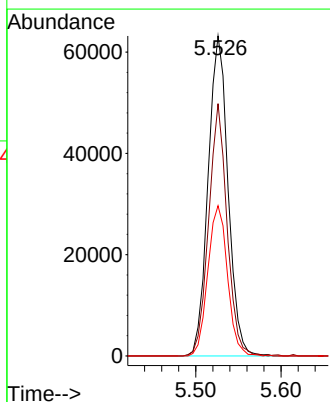
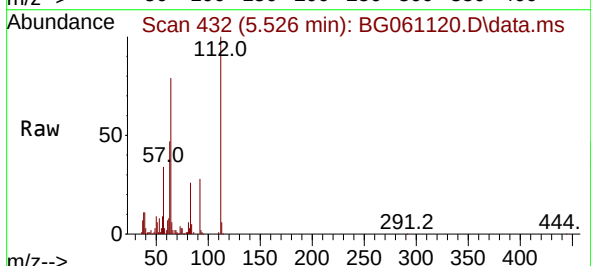
Manual Integrations
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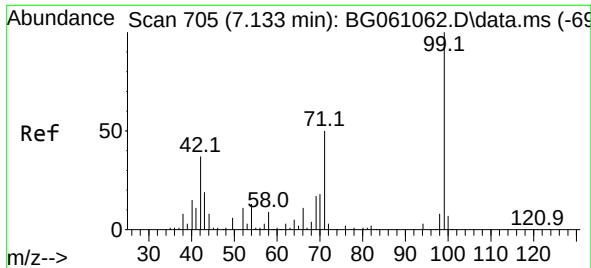
Reviewed By :Jagrut Upadhyay 05/07/2024
Supervised By :mohammad ahmed 05/08/2024



#5
2-Fluorophenol
Concen: 72.104 ng
RT: 5.526 min Scan# 432
Delta R.T. -0.020 min
Lab File: BG061120.D
Acq: 6 May 2024 14:46

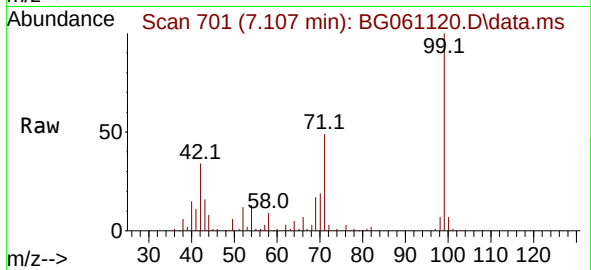
Tgt Ion:112 Resp: 102551
Ion Ratio Lower Upper
112 100
64 78.9 55.7 83.5
63 47.0 38.1 57.1





#7
Phenol-d6
Concen: 70.712 ng
RT: 7.107 min Scan# 705
Delta R.T. -0.026 min
Lab File: BG061120.D
Acq: 6 May 2024 14:46

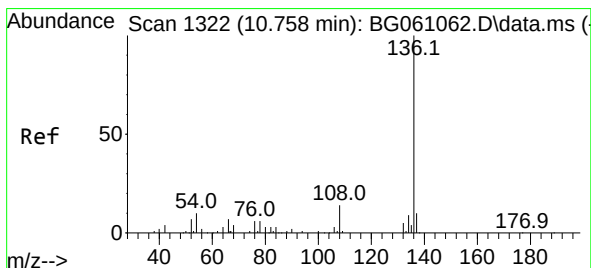
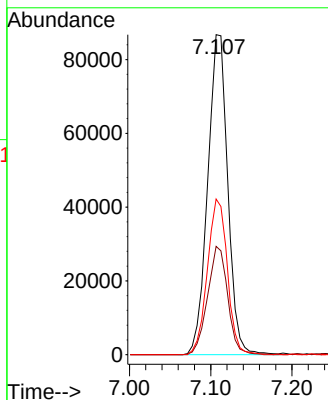
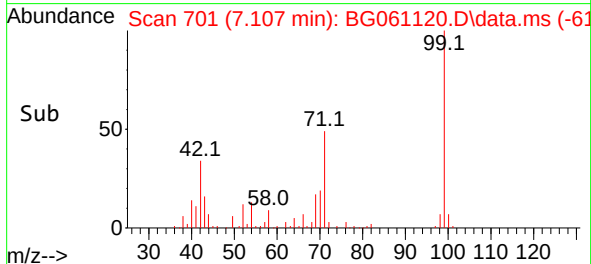
Instrument :
BNA_G
ClientSampleId :
BG-1



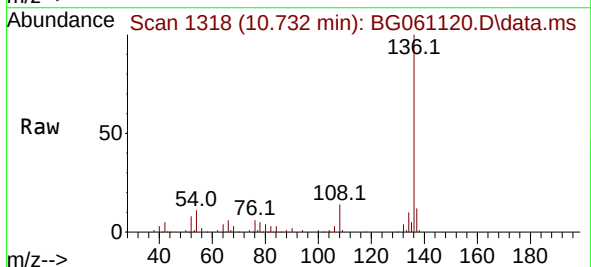
Tgt Ion: 99 Resp: 14877
Ion Ratio Lower Upper
99 100
42 33.8 29.2 43.8
71 48.6 39.7 59.5

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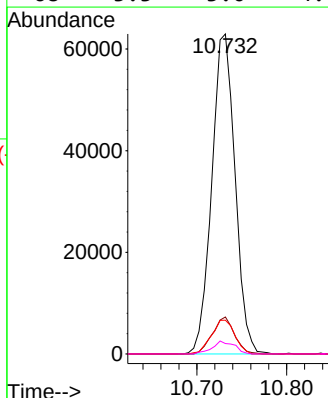
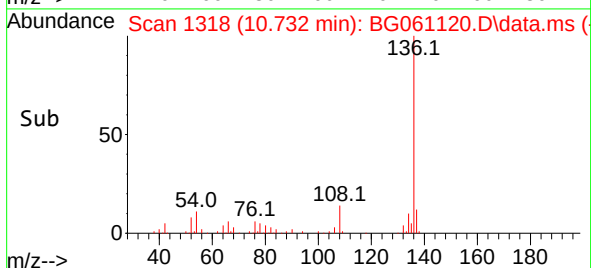
Reviewed By :Jagrut Upadhyay 05/07/2024
Supervised By :mohammad ahmed 05/08/2024

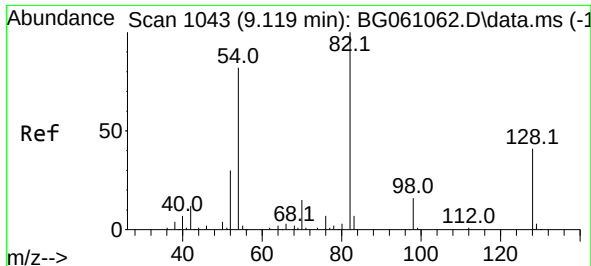


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.732 min Scan# 1318
Delta R.T. -0.026 min
Lab File: BG061120.D
Acq: 6 May 2024 14:46



Tgt Ion:136 Resp: 113356
Ion Ratio Lower Upper
136 100
137 11.6 7.8 11.6
54 10.5 8.1 12.1
68 3.3 3.0 4.4





#23

Nitrobenzene-d5

Concen: 49.232 ng

RT: 9.092 min Scan# 1043

Delta R.T. -0.026 min

Lab File: BG061120.D

Acq: 6 May 2024 14:46

Instrument :

BNA_G

ClientSampleId :

BG-1

Tgt Ion: 82 Resp: 112578

Ion Ratio Lower Upper

82 100

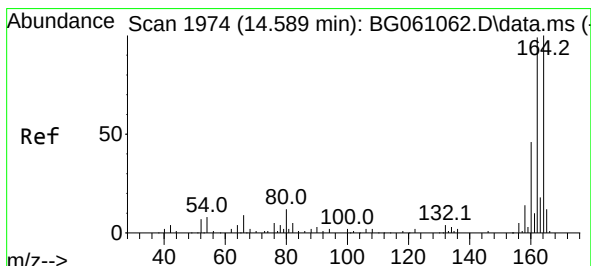
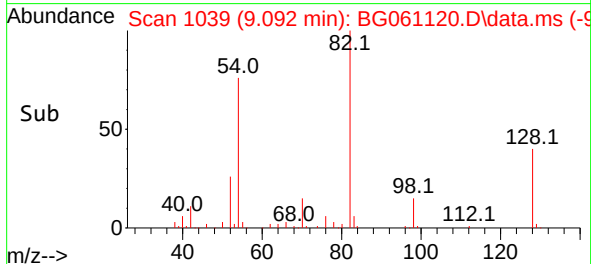
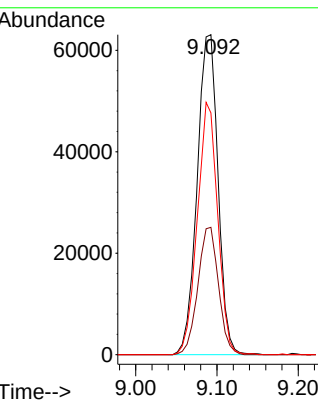
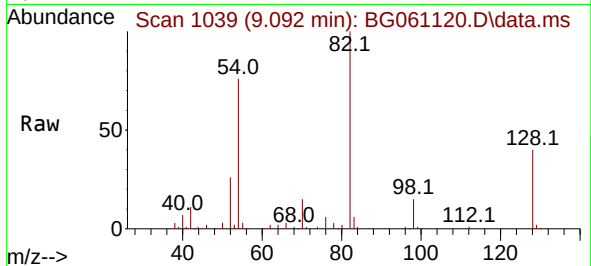
128 39.8 32.7 49.1

54 75.6 65.6 98.4

Manual Integrations

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#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.563 min Scan# 1970

Delta R.T. -0.026 min

Lab File: BG061120.D

Acq: 6 May 2024 14:46

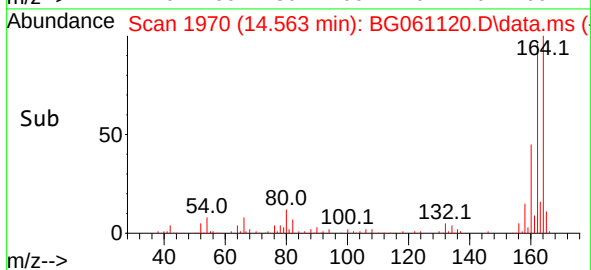
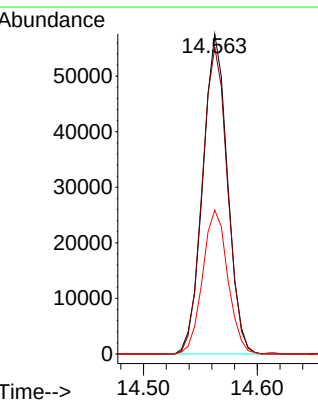
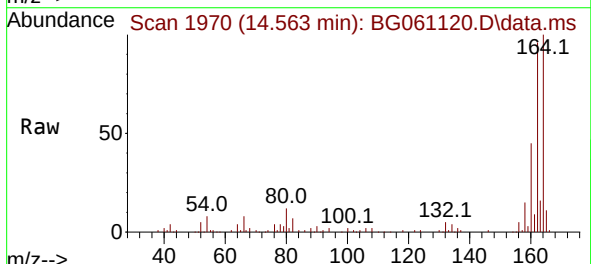
Tgt Ion:164 Resp: 86829

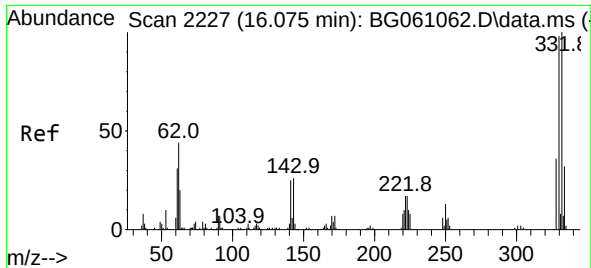
Ion Ratio Lower Upper

164 100

162 95.8 79.4 119.2

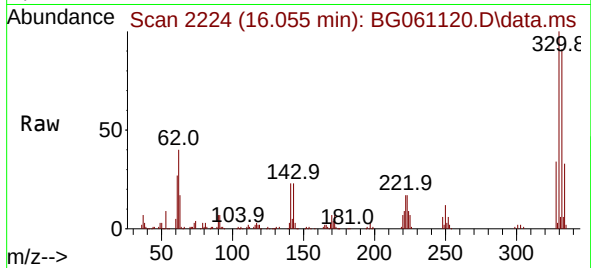
160 44.9 37.0 55.6





#42
2,4,6-Tribromophenol
Concen: 67.054 ng
RT: 16.055 min Scan# 211
Delta R.T. -0.020 min
Lab File: BG061120.D
Acq: 6 May 2024 14:46

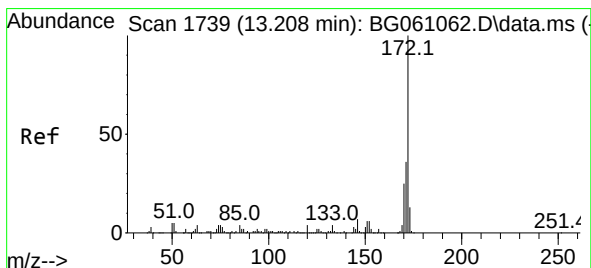
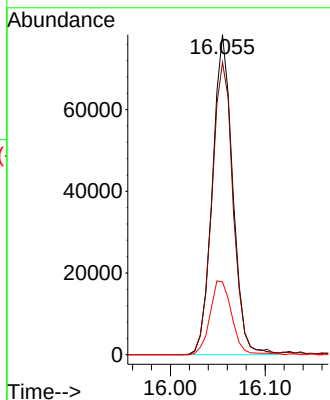
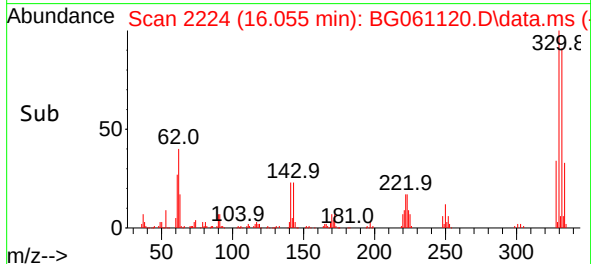
Instrument :
BNA_G
ClientSampleId :
BG-1



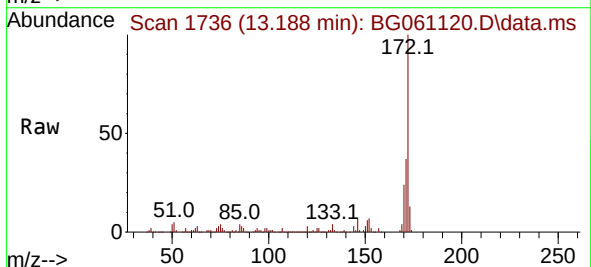
Tgt Ion:330 Resp: 11637
Ion Ratio Lower Upper
330 100
332 95.3 78.6 117.8
141 24.8 20.5 30.7

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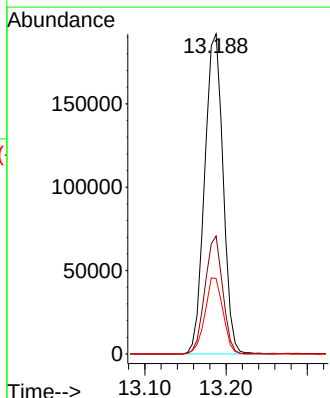
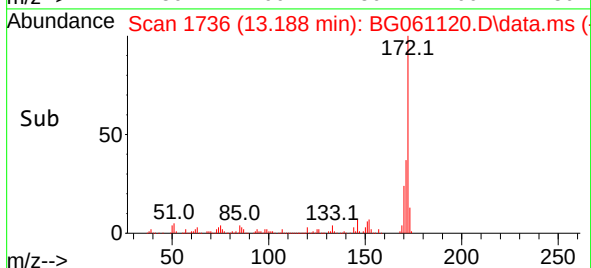
Reviewed By :Jagrut Upadhyay 05/07/2024
Supervised By :mohammad ahmed 05/08/2024

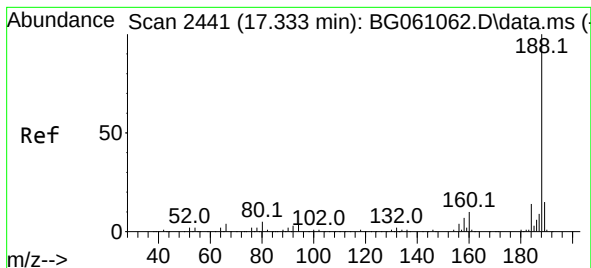


#45
2-Fluorobiphenyl
Concen: 51.402 ng
RT: 13.188 min Scan# 1736
Delta R.T. -0.020 min
Lab File: BG061120.D
Acq: 6 May 2024 14:46



Tgt Ion:172 Resp: 301831
Ion Ratio Lower Upper
172 100
171 36.8 29.0 43.6
170 23.6 20.2 30.4





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.312 min Scan# 2438

Delta R.T. -0.020 min

Lab File: BG061120.D

Acq: 6 May 2024 14:46

Instrument :

BNA_G

ClientSampleId :

BG-1

Tgt Ion:188 Resp: 192104

Ion Ratio Lower Upper

188 100

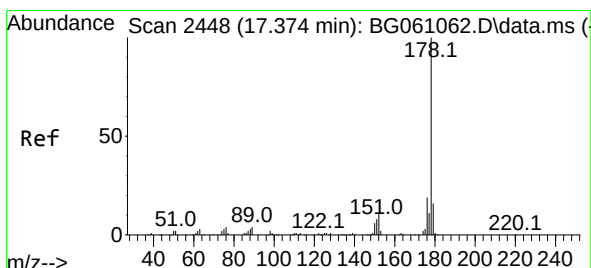
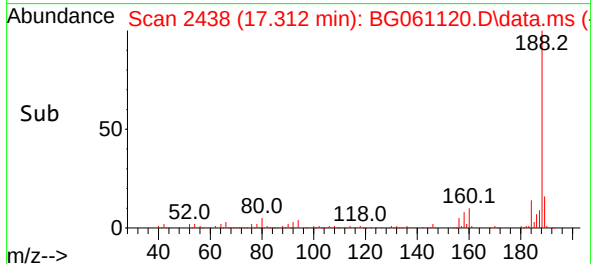
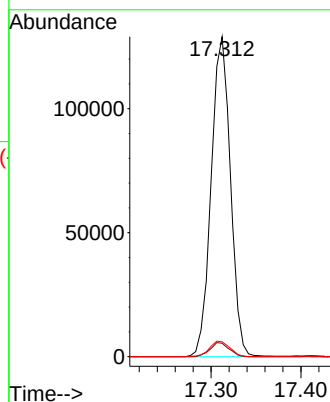
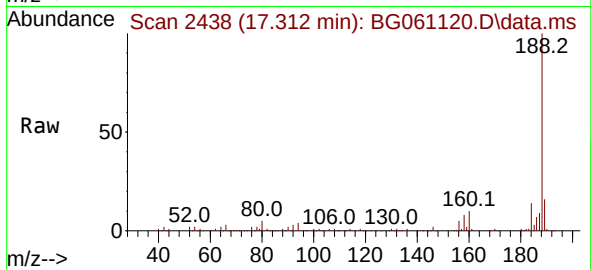
94 4.2 3.6 5.4

80 4.6 4.2 6.2

Manual Integrations

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Reviewed By :Jagrut Upadhyay 05/07/2024
Supervised By :mohammad ahmed 05/08/2024



#71

Phenanthrene

Concen: 4.390 ng

RT: 17.353 min Scan# 2445

Delta R.T. -0.020 min

Lab File: BG061120.D

Acq: 6 May 2024 14:46

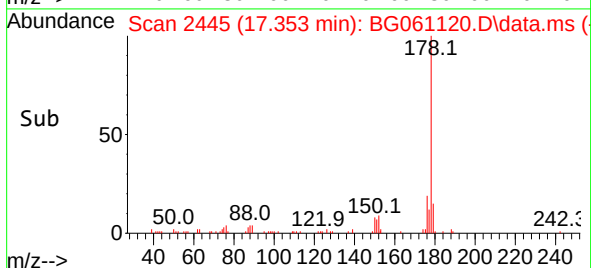
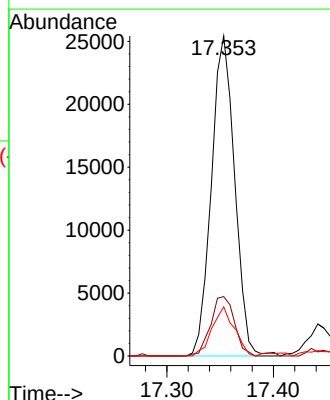
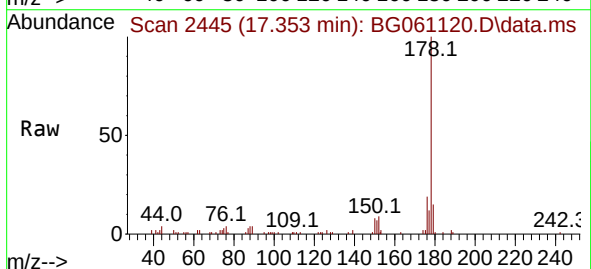
Tgt Ion:178 Resp: 38562

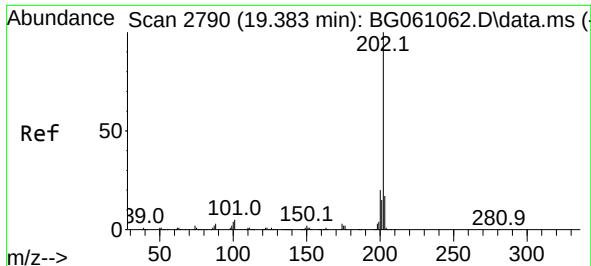
Ion Ratio Lower Upper

178 100

176 18.6 15.5 23.3

179 15.4 12.6 19.0





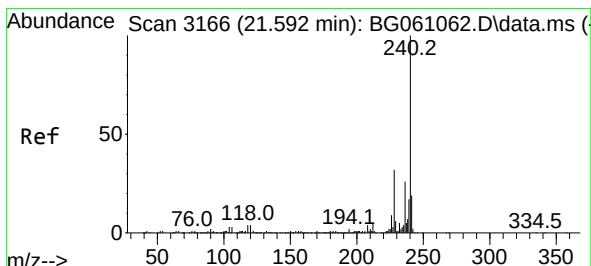
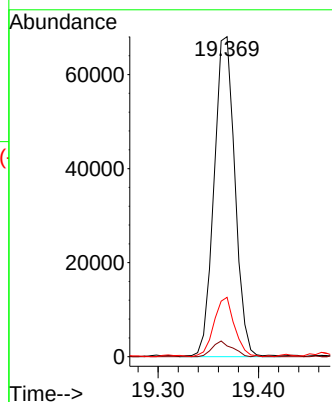
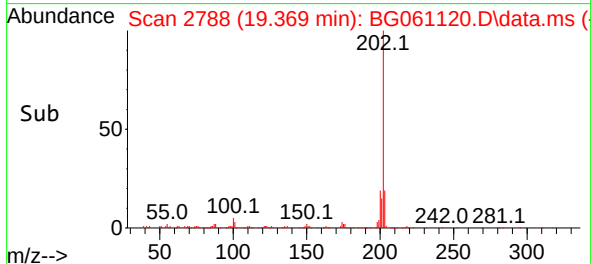
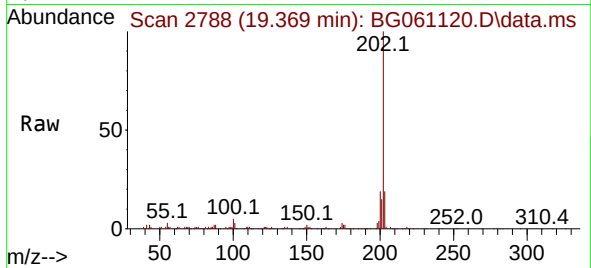
#75
Fluoranthene
Concen: 8.173 ng
RT: 19.369 min Scan# 21
Delta R.T. -0.015 min
Lab File: BG061120.D
Acq: 6 May 2024 14:46

Instrument :
BNA_G
ClientSampleId :
BG-1

Tgt Ion:202 Resp: 9834
Ion Ratio Lower Upper
202 100
101 3.4 0.0 24.7
203 18.6 0.0 37.1

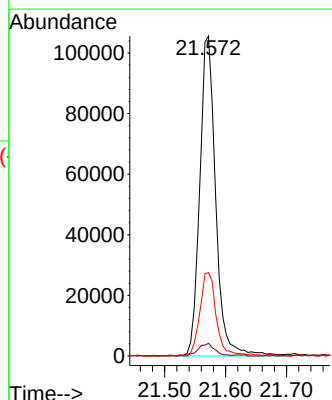
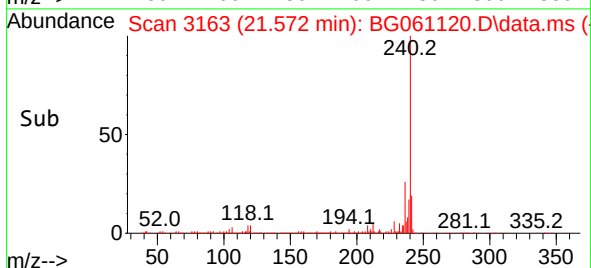
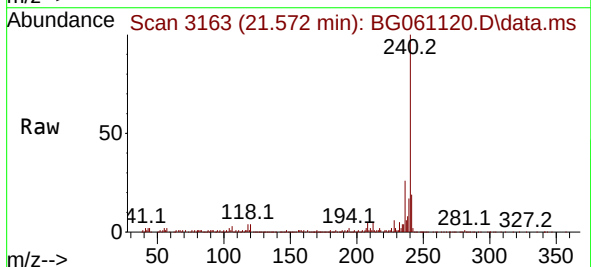
Manual Integrations
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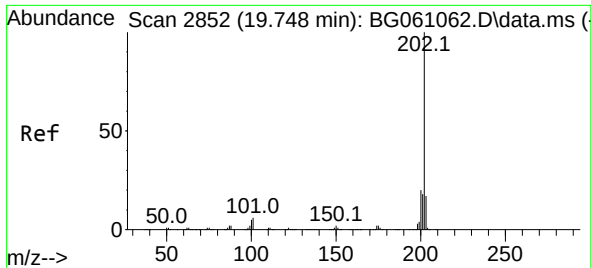
Reviewed By :Jagrut Upadhyay 05/07/2024
Supervised By :mohammad ahmed 05/08/2024



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.572 min Scan# 3163
Delta R.T. -0.020 min
Lab File: BG061120.D
Acq: 6 May 2024 14:46

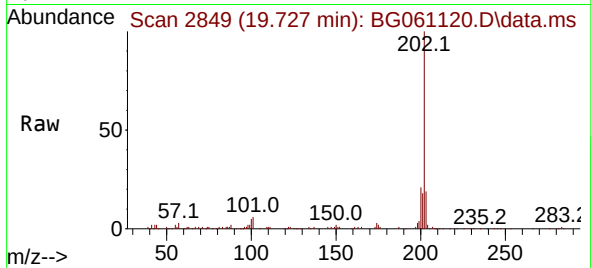
Tgt Ion:240 Resp: 191825
Ion Ratio Lower Upper
240 100
120 4.0 3.2 4.8
236 26.1 21.0 31.6





#78
 Pyrene
 Concen: 6.101 ng
 RT: 19.727 min Scan# 2849
 Delta R.T. -0.021 min
 Lab File: BG061120.D
 Acq: 6 May 2024 14:46

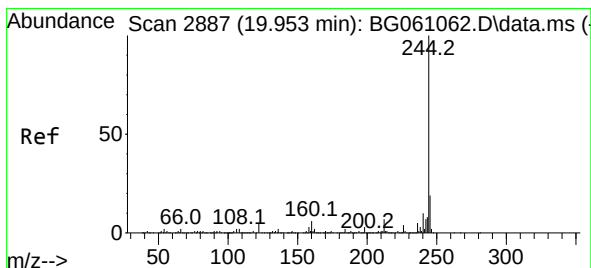
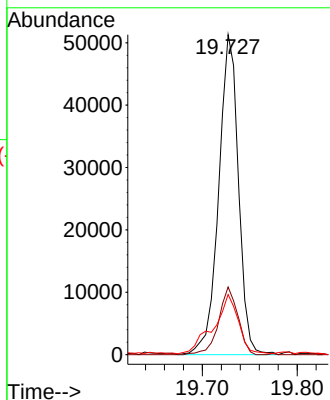
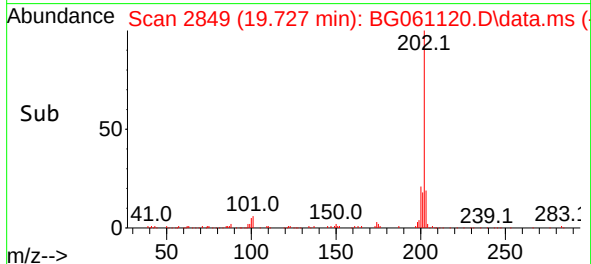
Instrument :
 BNA_G
 ClientSampleId :
 BG-1



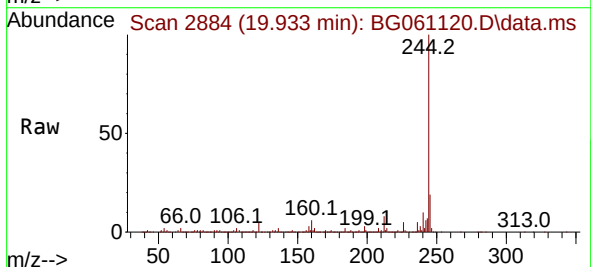
Tgt Ion:202 Resp: 7440
 Ion Ratio Lower Upper
 202 100
 200 21.1 16.2 24.4
 203 18.8 13.3 19.9

Manual Integrations
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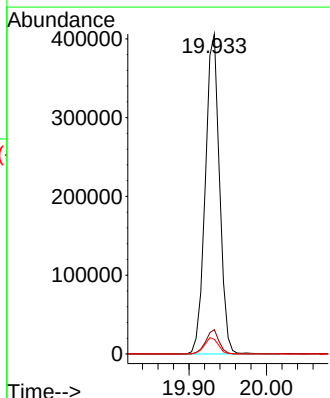
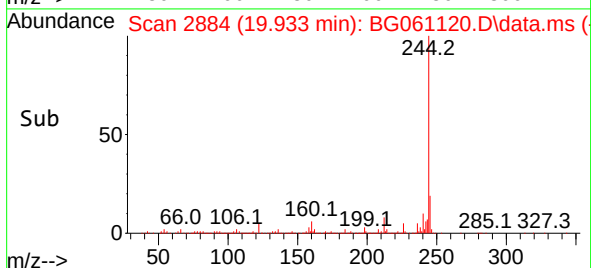
Reviewed By :Jagrut Upadhyay 05/07/2024
 Supervised By :mohammad ahmed 05/08/2024

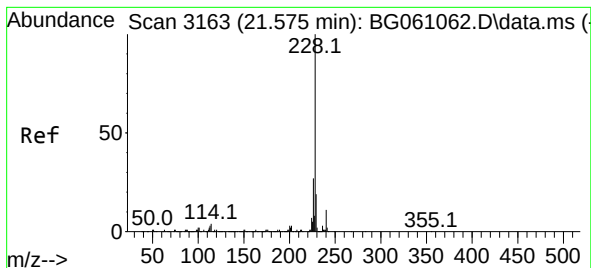


#79
 Terphenyl-d14
 Concen: 44.696 ng
 RT: 19.933 min Scan# 2884
 Delta R.T. -0.020 min
 Lab File: BG061120.D
 Acq: 6 May 2024 14:46



Tgt Ion:244 Resp: 515516
 Ion Ratio Lower Upper
 244 100
 212 7.6 5.7 8.5
 122 4.5 4.2 6.2





#81

Benzo(a)anthracene

Concen: 2.931 ng

RT: 21.548 min Scan# 31

Delta R.T. -0.026 min

Lab File: BG061120.D

Acq: 6 May 2024 14:46

Instrument :

BNA_G

ClientSampleId :

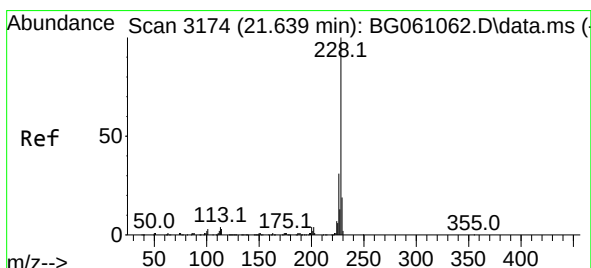
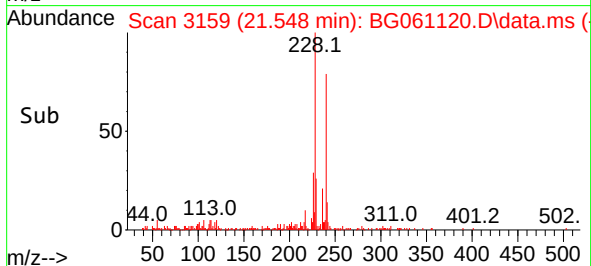
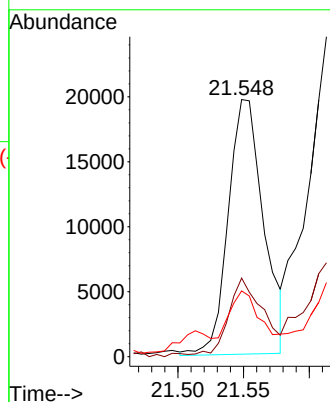
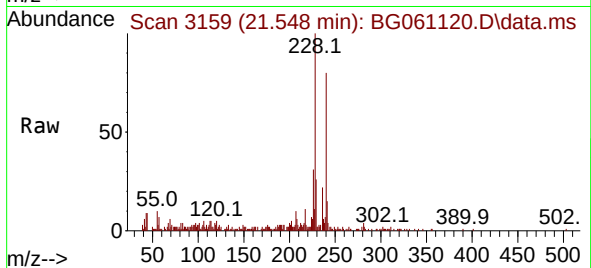
BG-1

Tgt Ion:228 Resp: 36790
 Ion Ratio Lower Upper
 228 100
 226 30.5 21.6 32.4
 229 25.6 15.0 22.4

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 05/07/2024
 Supervised By :mohammad ahmed 05/08/2024



#83

Chrysene

Concen: 4.059 ng

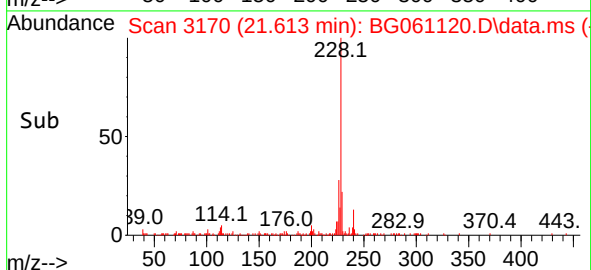
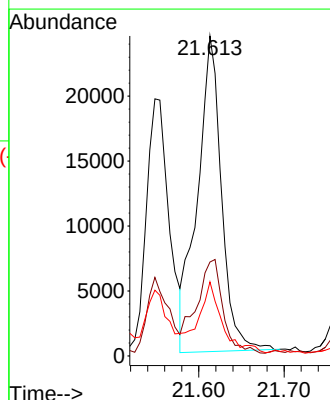
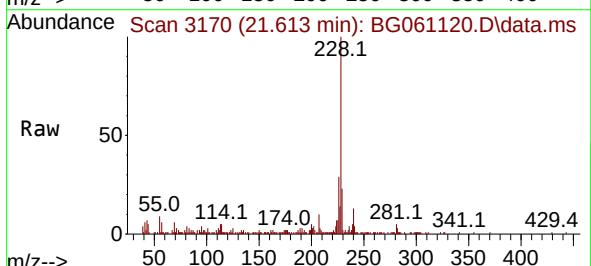
RT: 21.613 min Scan# 3170

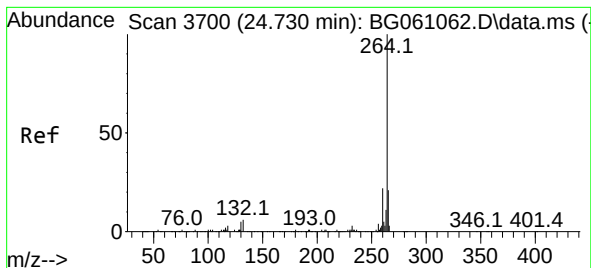
Delta R.T. -0.026 min

Lab File: BG061120.D

Acq: 6 May 2024 14:46

Tgt Ion:228 Resp: 47741
 Ion Ratio Lower Upper
 228 100
 226 29.4 24.4 36.6
 229 23.1 14.8 22.2





#86

Perylene-d12

Concen: 20.000 ng

RT: 24.692 min Scan# 30

Delta R.T. -0.038 min

Lab File: BG061120.D

Acq: 6 May 2024 14:46

Instrument :

BNA_G

ClientSampleId :

BG-1

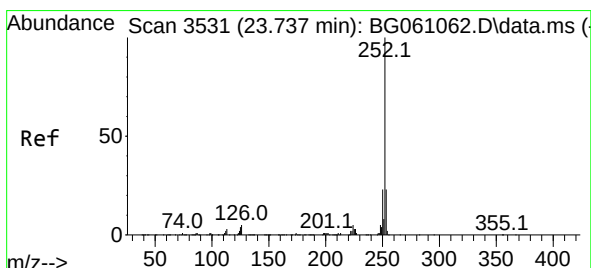
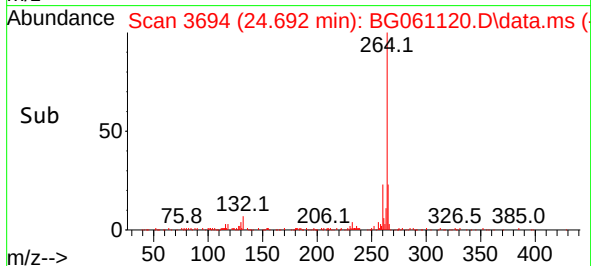
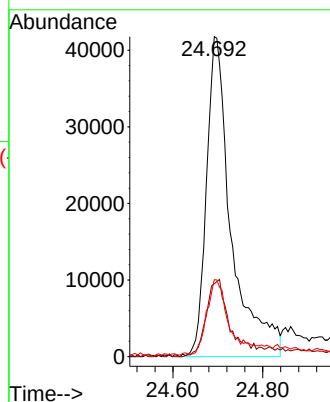
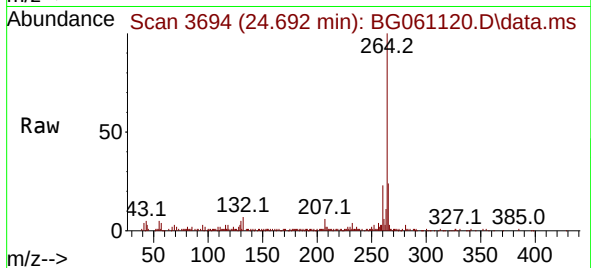
Tgt Ion:264 Resp: 16080

Ion	Ratio	Lower	Upper
264	100		
260	22.8	17.7	26.5
265	24.0	16.4	24.6

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 05/07/2024
Supervised By :mohammad ahmed 05/08/2024



#88

Benzo(b)fluoranthene

Concen: 5.138 ng

RT: 23.711 min Scan# 3527

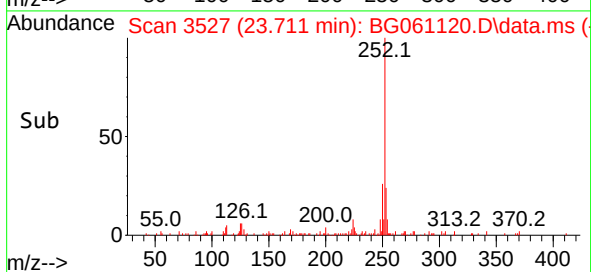
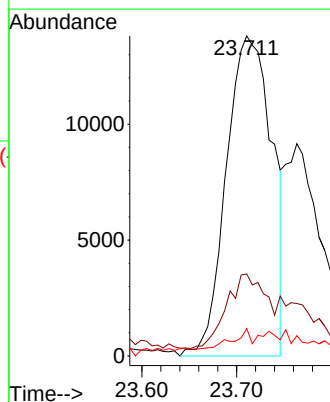
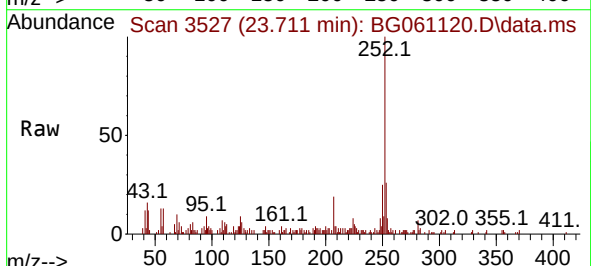
Delta R.T. -0.026 min

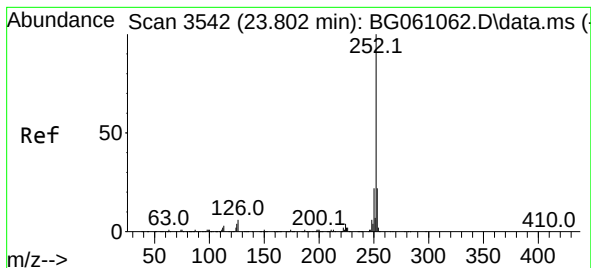
Lab File: BG061120.D

Acq: 6 May 2024 14:46

Tgt Ion:252 Resp: 46166

Ion	Ratio	Lower	Upper
252	100		
253	25.7	18.2	27.2
125	8.5	3.4	5.0





#89

Benzo(k)fluoranthene

Concen: 3.207 ng m

RT: 23.764 min Scan# 3536

Delta R.T. -0.038 min

Lab File: BG061120.D

Acq: 6 May 2024 14:46

Instrument :

BNA_G

ClientSampleId :

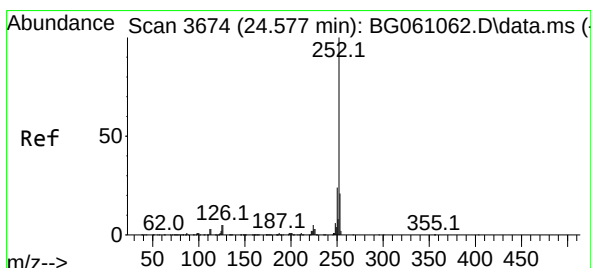
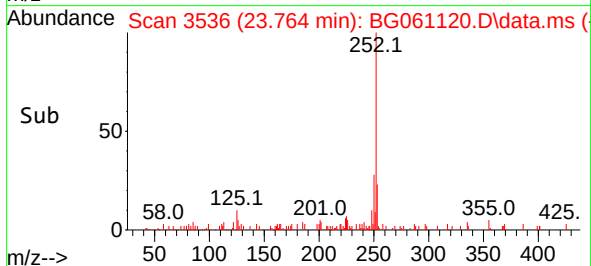
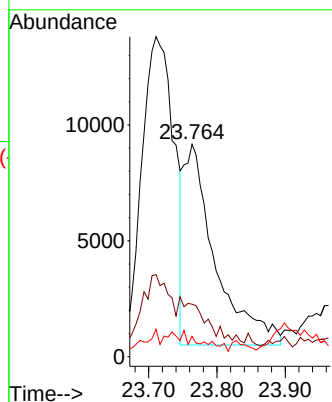
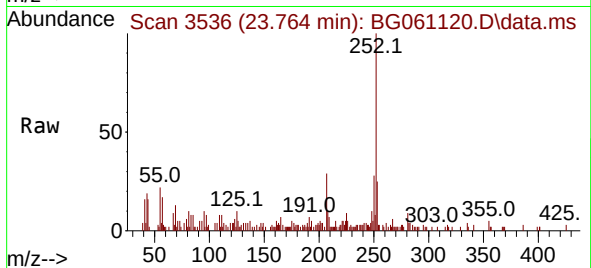
BG-1

Tgt Ion:	252	Resp:	2772
Ion Ratio	Lower	Upper	
252	100		
253	24.7	17.3	25.9
125	9.6	3.2	4.8

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 05/07/2024
Supervised By :mohammad ahmed 05/08/2024



#90

Benzo(a)pyrene

Concen: 3.302 ng

RT: 24.545 min Scan# 3669

Delta R.T. -0.032 min

Lab File: BG061120.D

Acq: 6 May 2024 14:46

Tgt Ion:	252	Resp:	25852
Ion Ratio	Lower	Upper	
252	100		
253	23.6	16.9	25.3
125	7.3	3.8	5.8

