

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG050224\
 Data File : BG061095.D
 Acq On : 2 May 2024 16:04
 Operator : MA/JU
 Sample : P2337-01 2X
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 DRT-5204

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 05/03/2024
 Supervised By :mohammad ahmed 05/06/2024

Quant Time: May 02 16:55:13 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	7.938	152	34183	20.000	ng	#-0.02
21) Naphthalene-d8	10.735	136	127004	20.000	ng	-0.02
39) Acenaphthene-d10	14.565	164	88998	20.000	ng	-0.02
64) Phenanthrene-d10	17.315	188	193377	20.000	ng	#-0.02
76) Chrysene-d12	21.569	240	190864	20.000	ng	-0.02
86) Perylene-d12	24.701	264	160101	20.000	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.529	112	62406	37.129	ng	-0.02
7) Phenol-d6	7.109	99	88287	35.508	ng	-0.02
23) Nitrobenzene-d5	9.089	82	60288	23.532	ng	-0.03
42) 2,4,6-Tribromophenol	16.058	330	60397	33.952	ng	-0.02
45) 2-Fluorobiphenyl	13.185	172	168035	27.919	ng	-0.02
79) Terphenyl-d14	19.930	244	259902	22.647	ng	-0.02
Target Compounds						Qvalue
71) Phenanthrene	17.356	178	32636	3.691	ng	# 89
75) Fluoranthene	19.366	202	85126	7.027	ng	97
78) Pyrene	19.730	202	74178	6.113	ng	98
81) Benzo(a)anthracene	21.551	228	42766	3.424	ng	96
83) Chrysene	21.616	228	47266m	4.039	ng	
84) Bis(2-ethylhexyl)phtha...	21.475	149	15140	3.018	ng	98
88) Benzo(b)fluoranthene	23.719	252	46317	5.177	ng	# 96
89) Benzo(k)fluoranthene	23.766	252	26421m	3.070	ng	
90) Benzo(a)pyrene	24.554	252	27994	3.592	ng	# 91

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

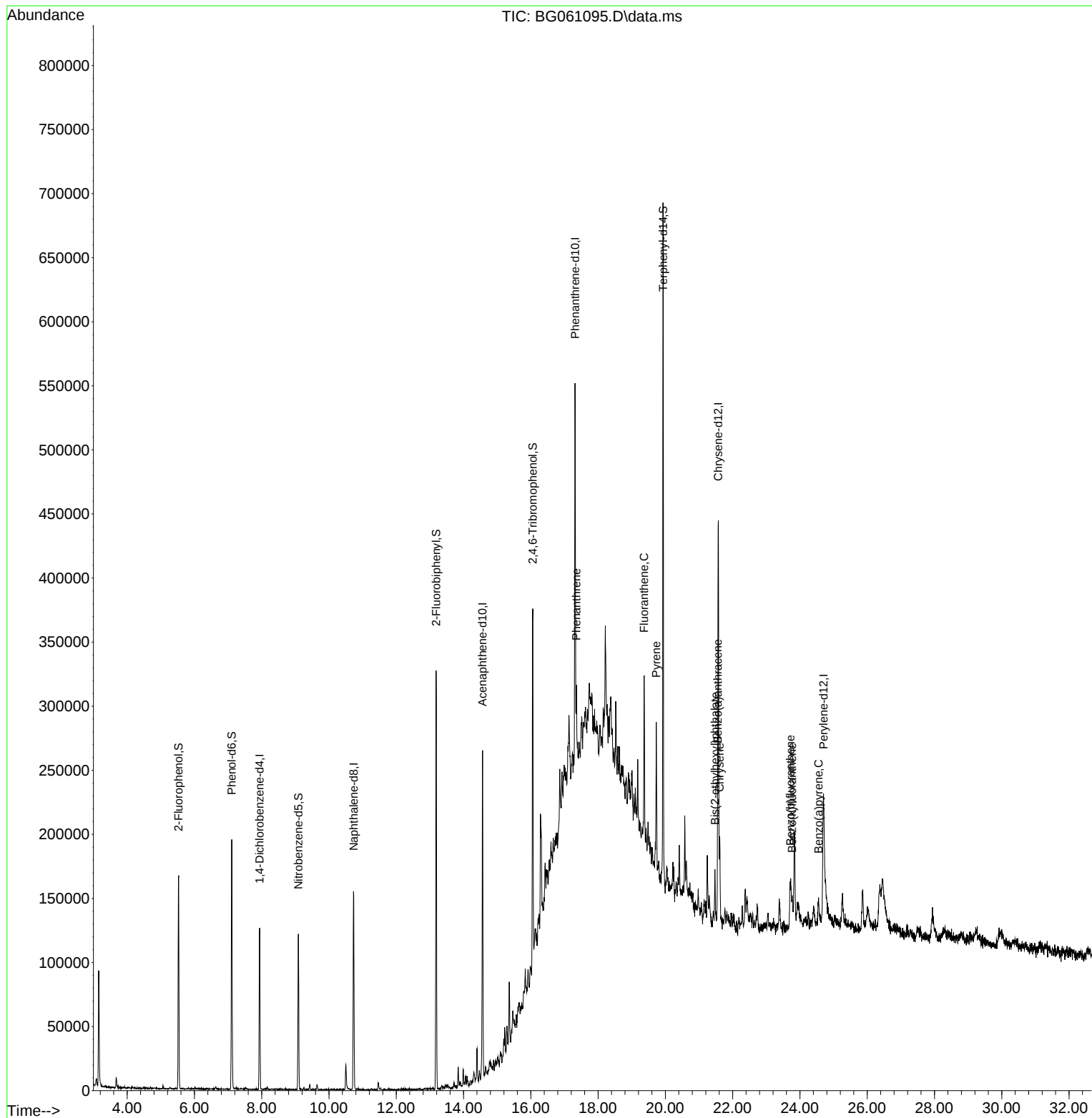
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG050224\
Data File : BG061095.D
Acq On : 2 May 2024 16:04
Operator : MA/JU
Sample : P2337-01 2X
Misc :
ALS Vial : 11 Sample Multiplier: 1

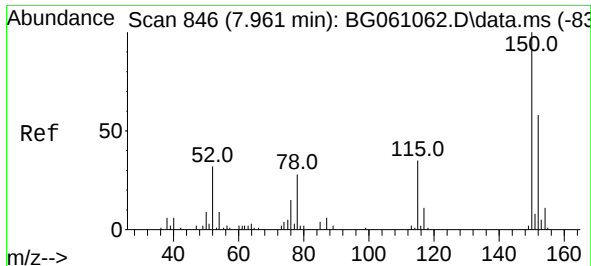
Instrument :
BNA_G
ClientSampleId :
DRT-5204

Quant Time: May 02 16:55:13 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

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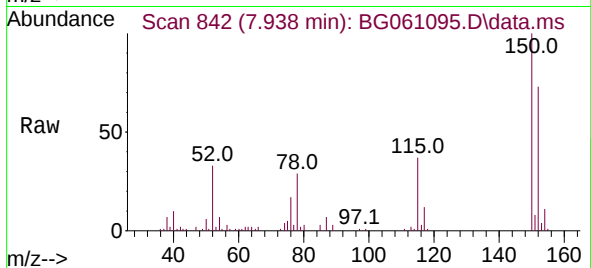
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.938 min Scan# 846
Delta R.T. -0.023 min
Lab File: BG061095.D
Acq: 2 May 2024 16:04

Instrument :

BNA_G

ClientSampleId :

DRT-5204



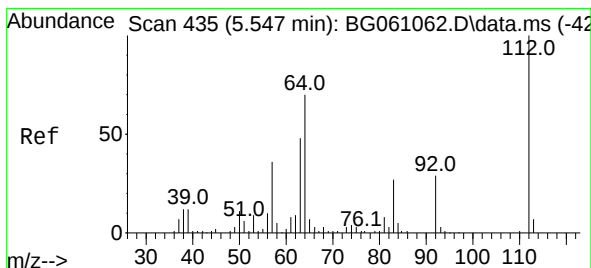
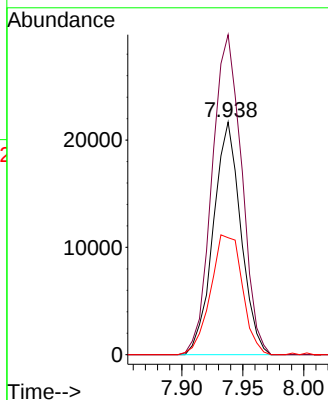
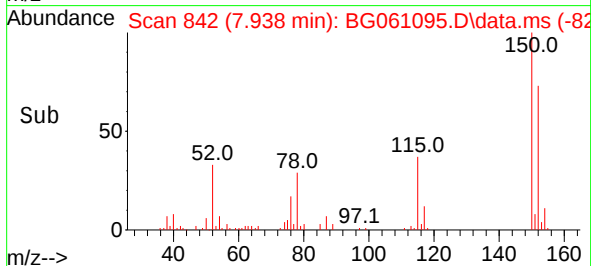
Tgt Ion:152 Resp: 34183
Ion Ratio Lower Upper
152 100
150 137.6 138.3 207.5
115 50.3 48.0 72.0

Manual Integrations

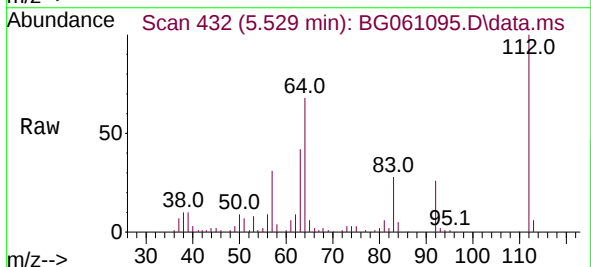
APPROVED

Reviewed By :Yogesh Patel 05/03/2024

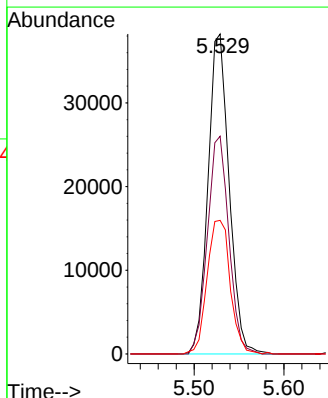
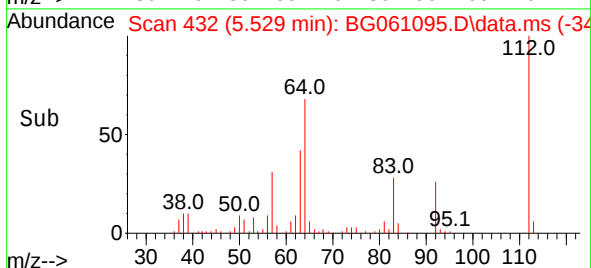
Supervised By :mohammad ahmed 05/06/2024

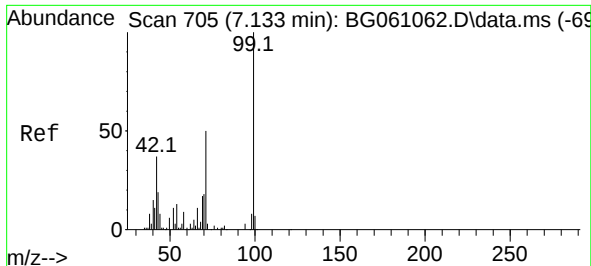


#5
2-Fluorophenol
Concen: 37.129 ng
RT: 5.529 min Scan# 432
Delta R.T. -0.018 min
Lab File: BG061095.D
Acq: 2 May 2024 16:04



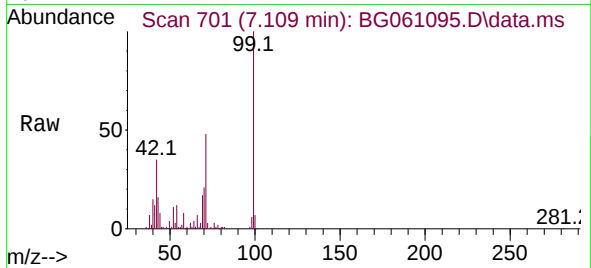
Tgt Ion:112 Resp: 62406
Ion Ratio Lower Upper
112 100
64 68.1 55.7 83.5
63 41.7 38.1 57.1





#7
Phenol-d6
Concen: 35.508 ng
RT: 7.109 min Scan# 705
Delta R.T. -0.024 min
Lab File: BG061095.D
Acq: 2 May 2024 16:04

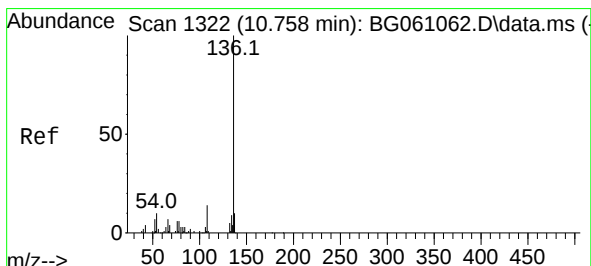
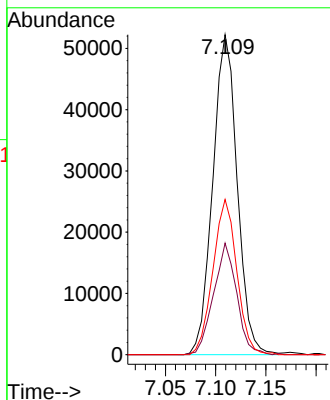
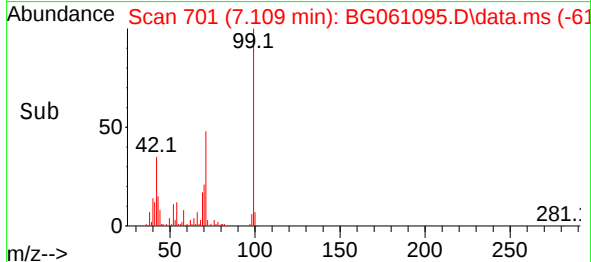
Instrument :
BNA_G
ClientSampleId :
DRT-5204



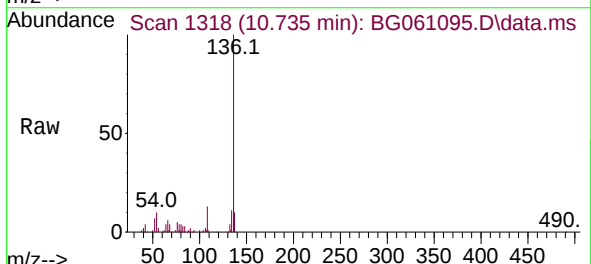
Tgt Ion: 99 Resp: 8828
Ion Ratio Lower Upper
99 100
42 34.8 29.2 43.8
71 48.5 39.7 59.5

Manual Integrations
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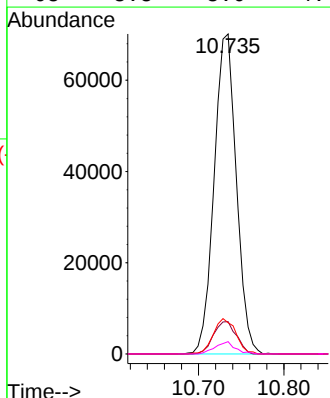
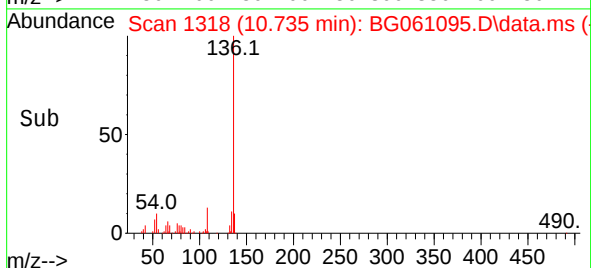
Reviewed By :Yogesh Patel 05/03/2024
Supervised By :mohammad ahmed 05/06/2024

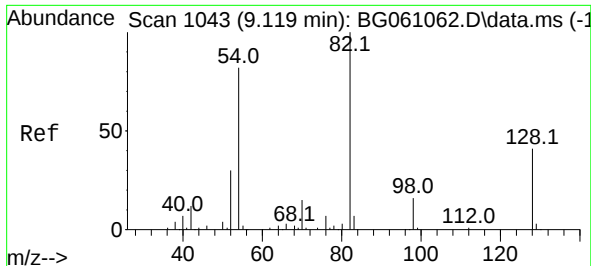


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.735 min Scan# 1318
Delta R.T. -0.024 min
Lab File: BG061095.D
Acq: 2 May 2024 16:04



Tgt Ion:136 Resp: 127004
Ion Ratio Lower Upper
136 100
137 10.1 7.8 11.6
54 9.8 8.1 12.1
68 3.8 3.0 4.4





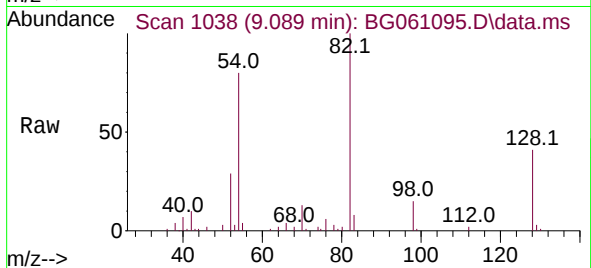
#23
Nitrobenzene-d5
Concen: 23.532 ng
RT: 9.089 min Scan# 1043
Delta R.T. -0.029 min
Lab File: BG061095.D
Acq: 2 May 2024 16:04

Instrument :

BNA_G

ClientSampleId :

DRT-5204



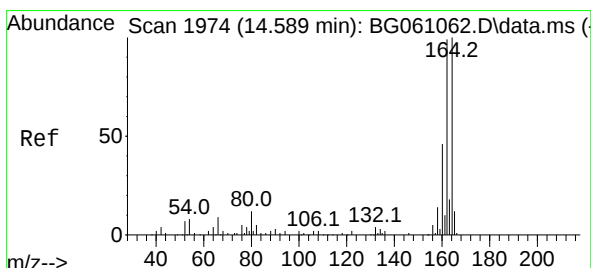
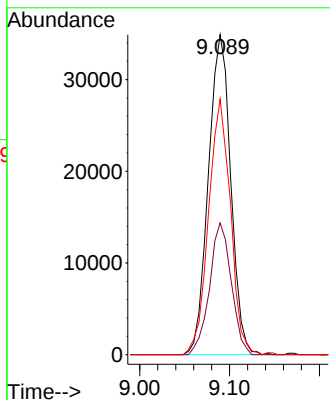
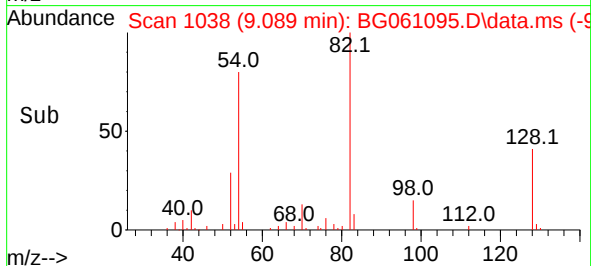
Tgt Ion: 82 Resp: 60288
Ion Ratio Lower Upper
82 100
128 41.2 32.7 49.1
54 79.8 65.6 98.4

Manual Integrations

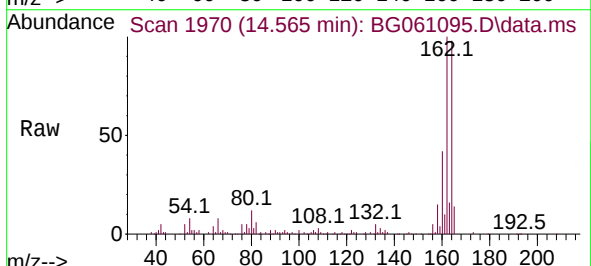
APPROVED

Reviewed By :Yogesh Patel 05/03/2024

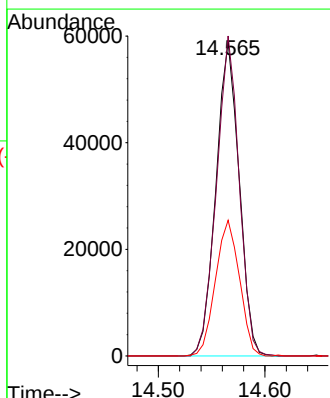
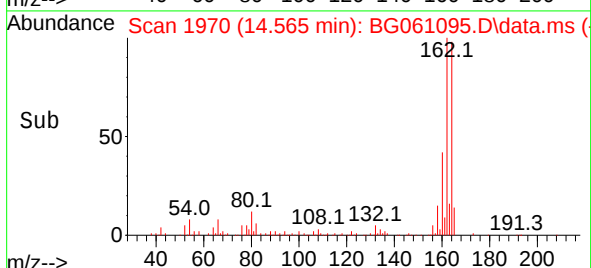
Supervised By :mohammad ahmed 05/06/2024

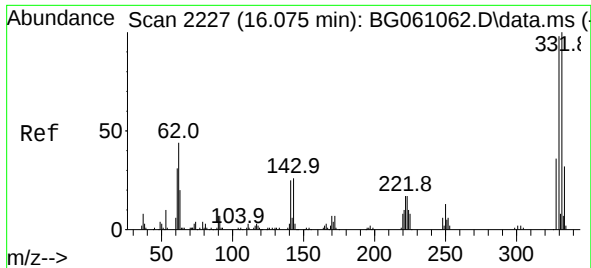


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.565 min Scan# 1970
Delta R.T. -0.024 min
Lab File: BG061095.D
Acq: 2 May 2024 16:04



Tgt Ion:164 Resp: 88998
Ion Ratio Lower Upper
164 100
162 101.9 79.4 119.2
160 43.2 37.0 55.6





#42
2,4,6-Tribromophenol
Concen: 33.952 ng
RT: 16.058 min Scan# 21
Delta R.T. -0.018 min
Lab File: BG061095.D
Acq: 2 May 2024 16:04

Instrument :

BNA_G

ClientSampleId :

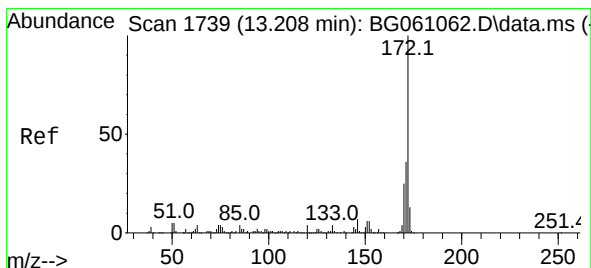
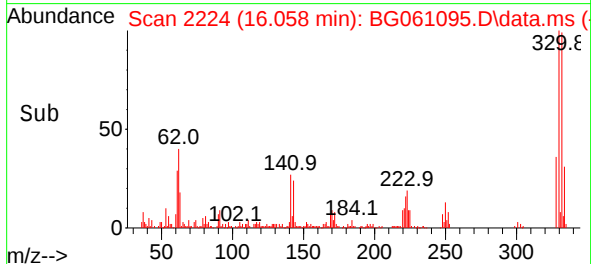
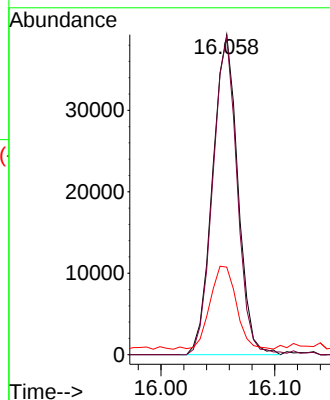
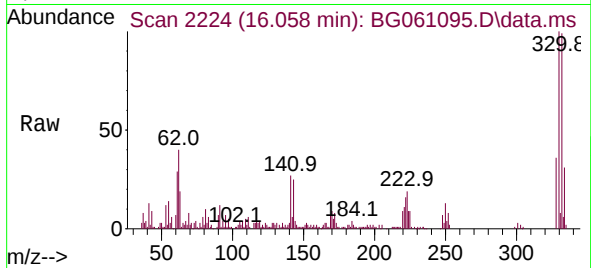
DRT-5204

Tgt Ion:330 Resp: 6039
Ion Ratio Lower Upper
330 100
332 95.8 78.6 117.8
141 27.4 20.5 30.7

Manual Integrations

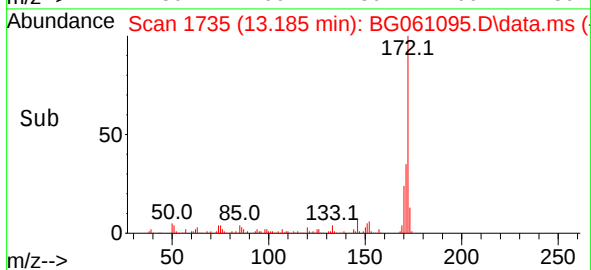
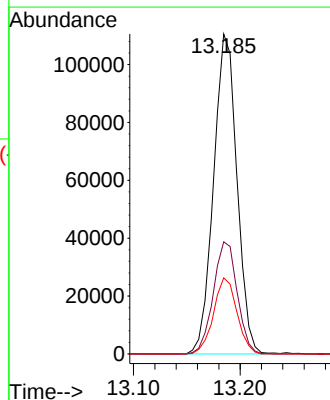
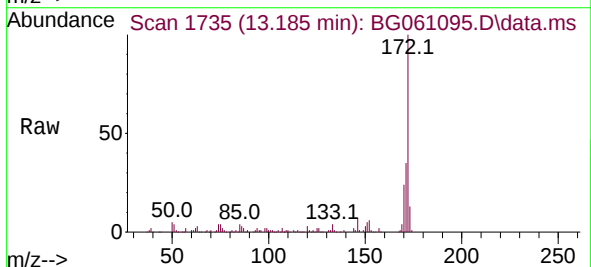
APPROVED

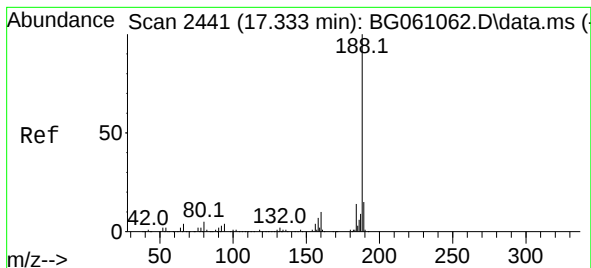
Reviewed By :Yogesh Patel 05/03/2024
Supervised By :mohammad ahmed 05/06/2024



#45
2-Fluorobiphenyl
Concen: 27.919 ng
RT: 13.185 min Scan# 1735
Delta R.T. -0.024 min
Lab File: BG061095.D
Acq: 2 May 2024 16:04

Tgt Ion:172 Resp: 168035
Ion Ratio Lower Upper
172 100
171 35.1 29.0 43.6
170 23.8 20.2 30.4





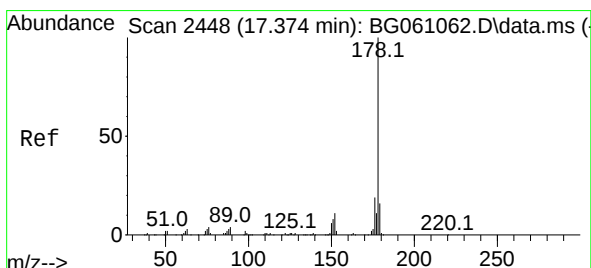
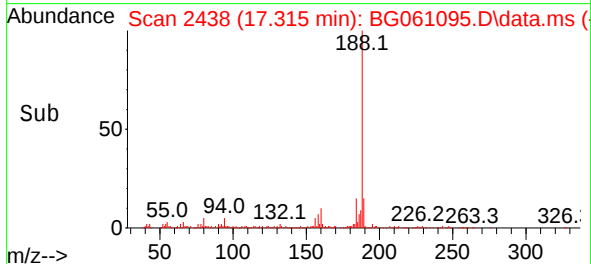
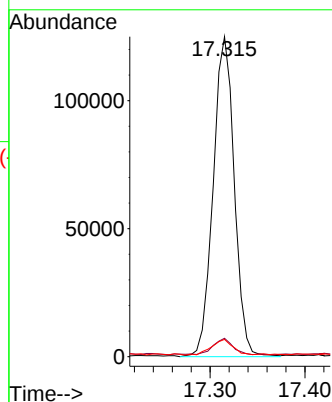
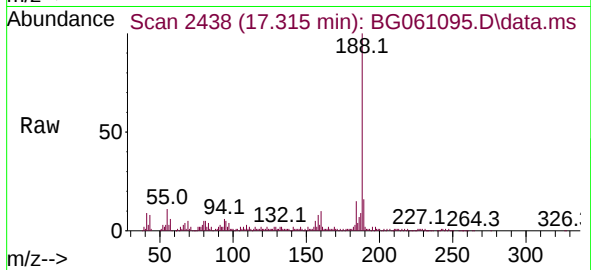
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.315 min Scan# 2441
Delta R.T. -0.018 min
Lab File: BG061095.D
Acq: 2 May 2024 16:04

Instrument :
BNA_G
ClientSampleId :
DRT-5204

Tgt Ion:188 Resp: 19337
Ion Ratio Lower Upper
188 100
94 5.8 3.6 5.4
80 5.4 4.2 6.2

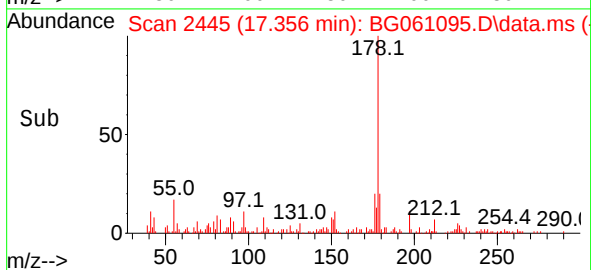
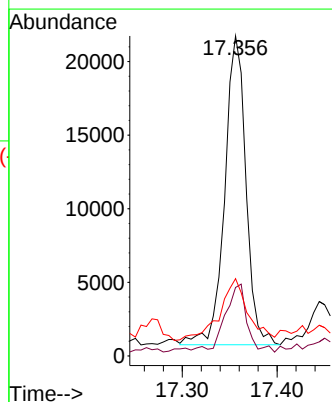
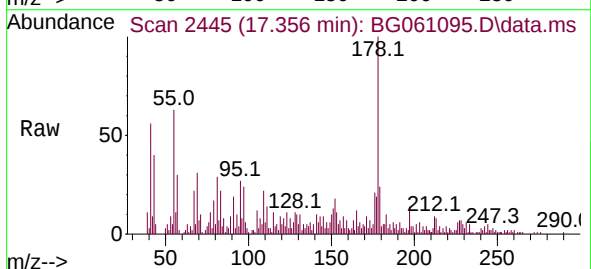
Manual Integrations
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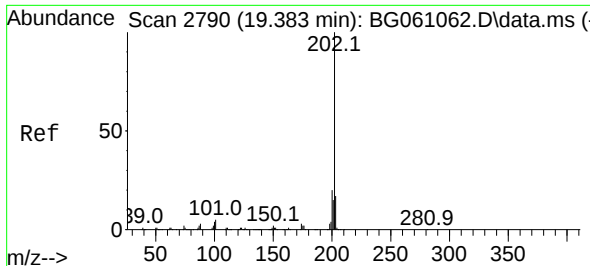
Reviewed By :Yogesh Patel 05/03/2024
Supervised By :mohammad ahmed 05/06/2024



#71
Phenanthrene
Concen: 3.691 ng
RT: 17.356 min Scan# 2445
Delta R.T. -0.018 min
Lab File: BG061095.D
Acq: 2 May 2024 16:04

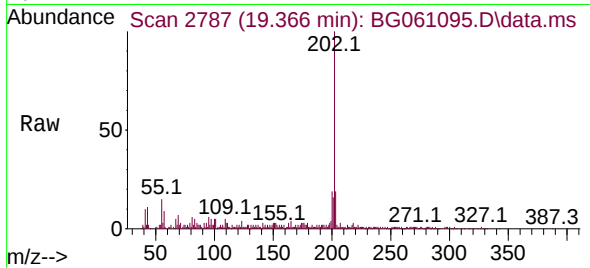
Tgt Ion:178 Resp: 32636
Ion Ratio Lower Upper
178 100
176 21.4 15.5 23.3
179 24.2 12.6 19.0#





#75
Fluoranthene
Concen: 7.027 ng
RT: 19.366 min Scan# 21
Delta R.T. -0.018 min
Lab File: BG061095.D
Acq: 2 May 2024 16:04

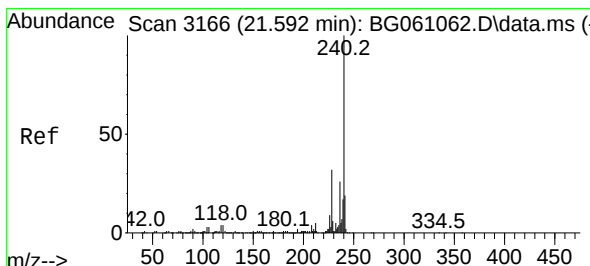
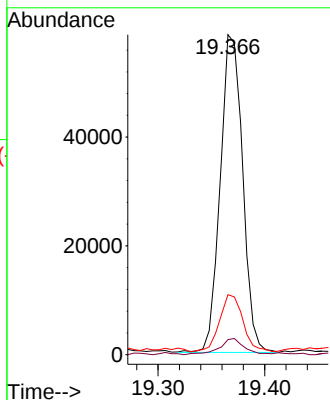
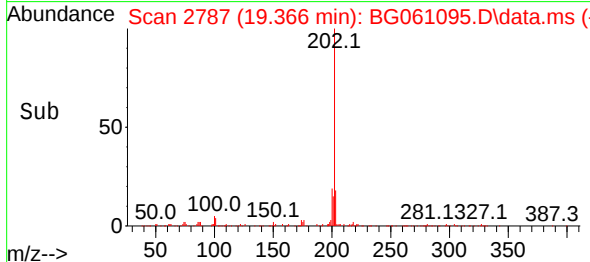
Instrument :
BNA_G
ClientSampleId :
DRT-5204



Tgt Ion:202 Resp: 85120
Ion Ratio Lower Upper
202 100
101 4.7 0.0 24.7
203 18.7 0.0 37.1

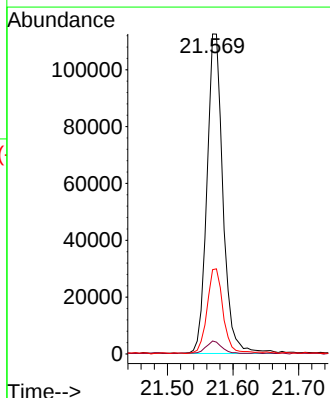
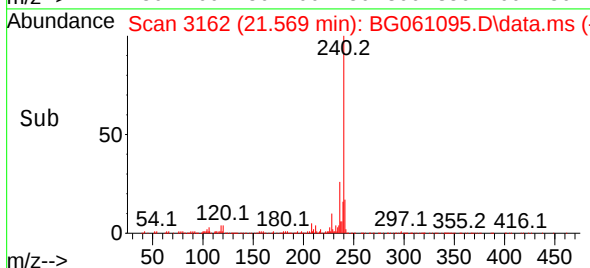
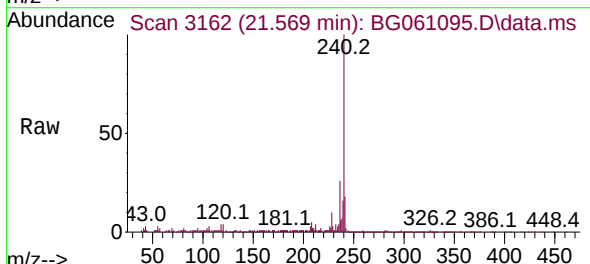
Manual Integrations
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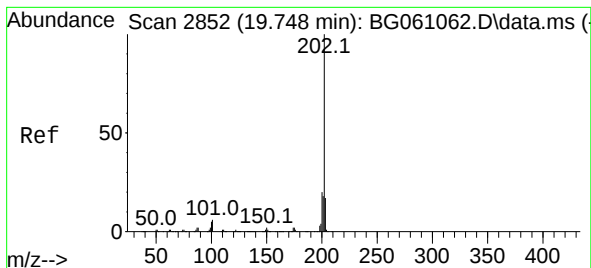
Reviewed By :Yogesh Patel 05/03/2024
Supervised By :mohammad ahmed 05/06/2024



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.569 min Scan# 3162
Delta R.T. -0.024 min
Lab File: BG061095.D
Acq: 2 May 2024 16:04

Tgt Ion:240 Resp: 190864
Ion Ratio Lower Upper
240 100
120 4.0 3.2 4.8
236 26.4 21.0 31.6





#78

Pyrene

Concen: 6.113 ng

RT: 19.730 min Scan# 2852

Delta R.T. -0.018 min

Lab File: BG061095.D

Acq: 2 May 2024 16:04

Instrument :

BNA_G

ClientSampleId :

DRT-5204

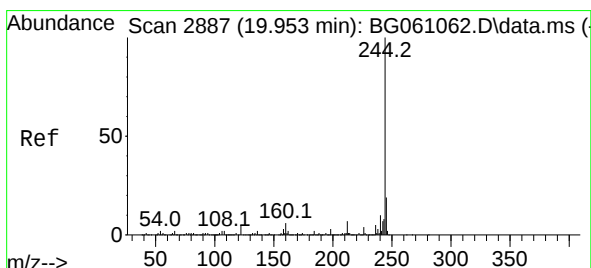
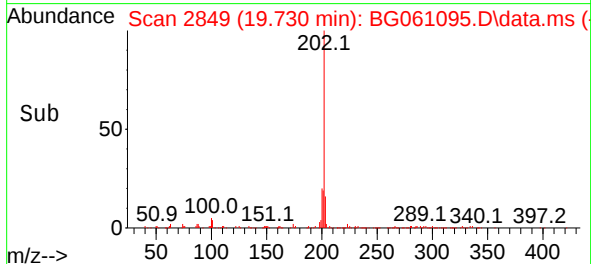
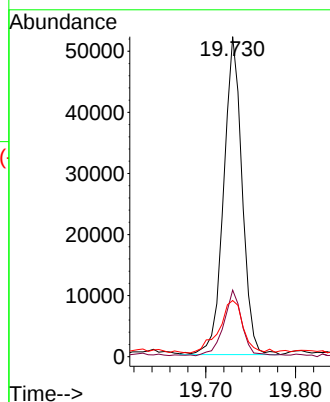
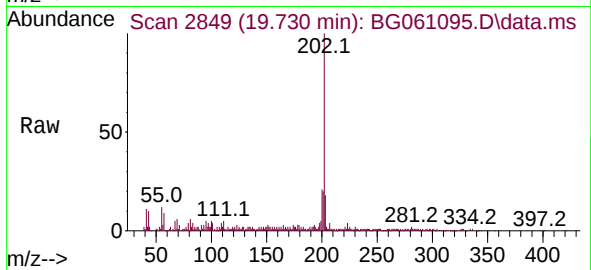
Tgt Ion:	202	Resp:	74178
Ion Ratio	Lower	Upper	
202	100		
200	20.8	16.2	24.4
203	17.6	13.3	19.9

Manual Integrations

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Reviewed By :Yogesh Patel 05/03/2024

Supervised By :mohammad ahmed 05/06/2024



#79

Terphenyl-d14

Concen: 22.647 ng

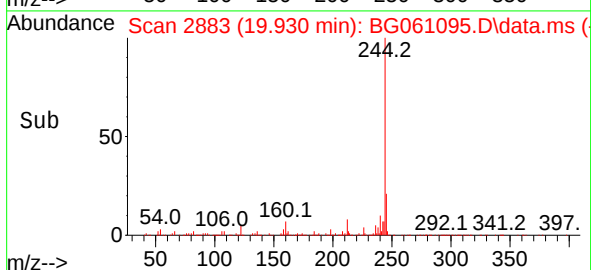
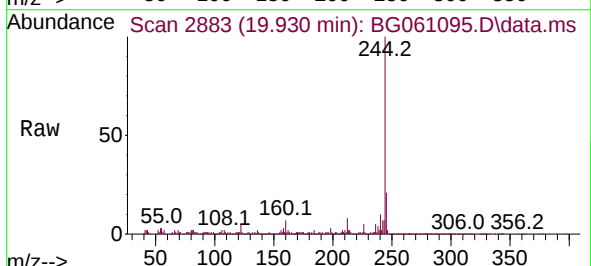
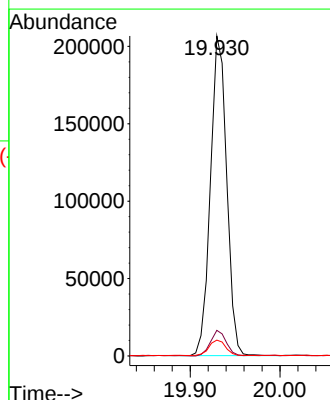
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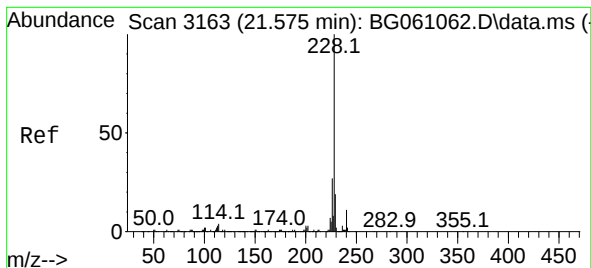
Delta R.T. -0.024 min

Lab File: BG061095.D

Acq: 2 May 2024 16:04

Tgt Ion:	244	Resp:	259902
Ion Ratio	Lower	Upper	
244	100		
212	8.0	5.7	8.5
122	4.9	4.2	6.2





#81

Benzo(a)anthracene

Concen: 3.424 ng

RT: 21.551 min Scan# 3159

Delta R.T. -0.024 min

Lab File: BG061095.D

Acq: 2 May 2024 16:04

Instrument :

BNA_G

ClientSampleId :

DRT-5204

Tgt Ion:228 Resp: 42760

Ion Ratio Lower Upper

228 100

226 28.7 21.6 32.4

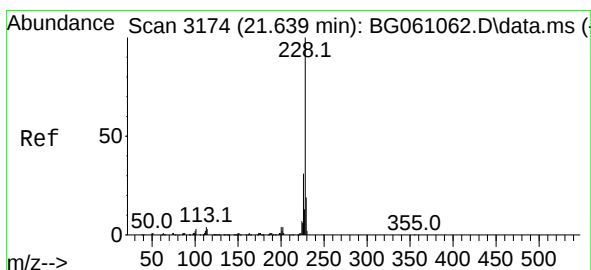
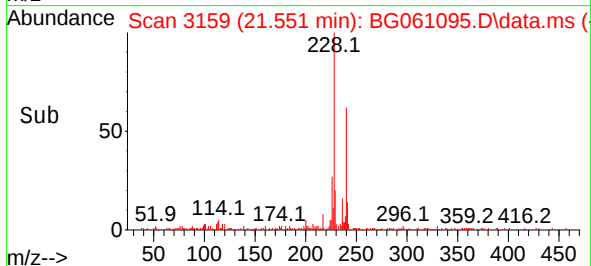
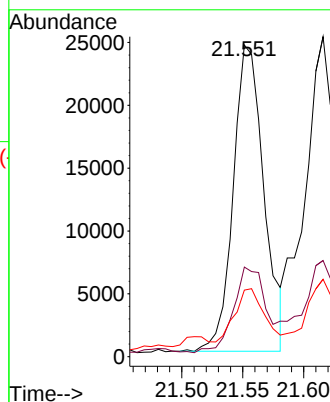
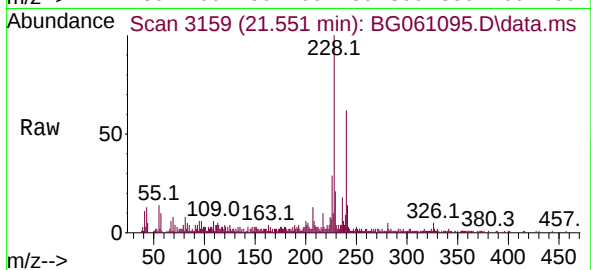
229 21.4 15.0 22.4

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 05/03/2024

Supervised By :mohammad ahmed 05/06/2024



#83

Chrysene

Concen: 4.039 ng m

RT: 21.616 min Scan# 3170

Delta R.T. -0.024 min

Lab File: BG061095.D

Acq: 2 May 2024 16:04

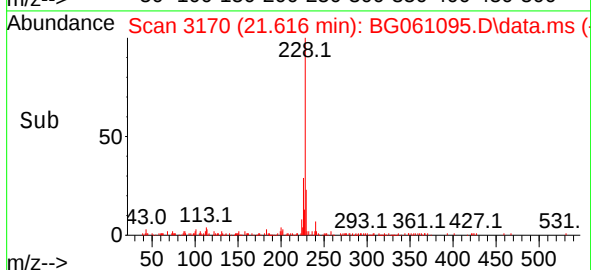
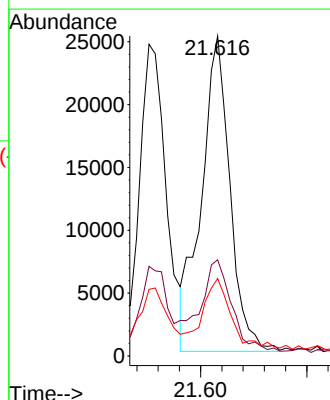
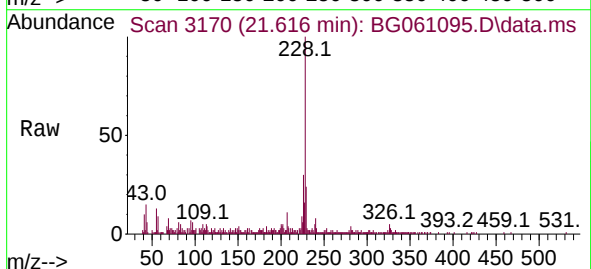
Tgt Ion:228 Resp: 47266

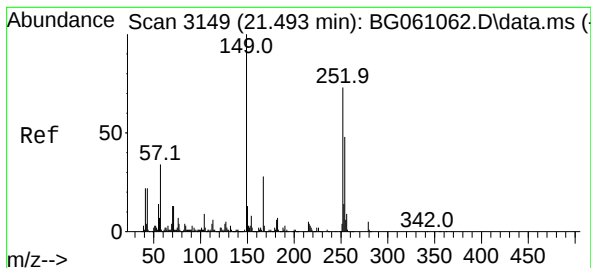
Ion Ratio Lower Upper

228 100

226 30.0 24.4 36.6

229 24.2 14.8 22.2#





#84

Bis(2-ethylhexyl)phthalate

Concen: 3.018 ng

RT: 21.475 min Scan# 3149

Delta R.T. -0.018 min

Lab File: BG061095.D

Acq: 2 May 2024 16:04

Instrument :

BNA_G

ClientSampleId :

DRT-5204

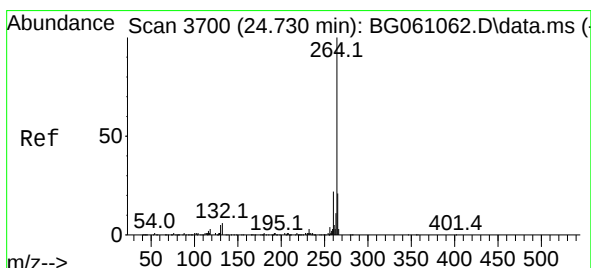
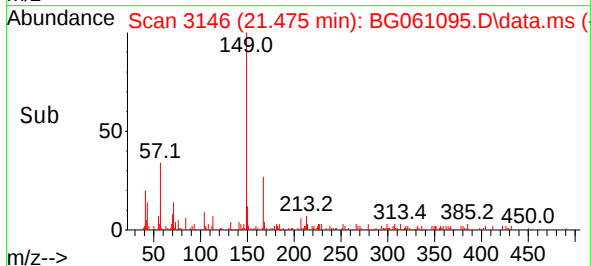
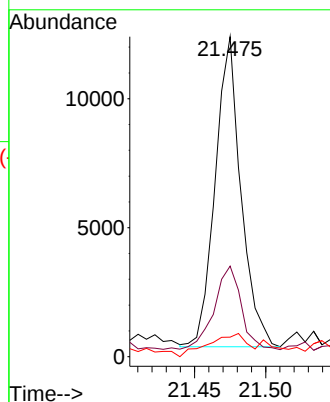
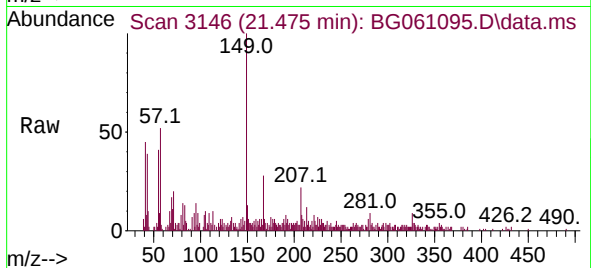
Tgt Ion:	149	Resp:	15140
Ion Ratio	Lower	Upper	
149	100		
167	28.3	22.1	33.1
279	6.1	4.1	6.1

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 05/03/2024

Supervised By :mohammad ahmed 05/06/2024



#86

Perylene-d12

Concen: 20.000 ng

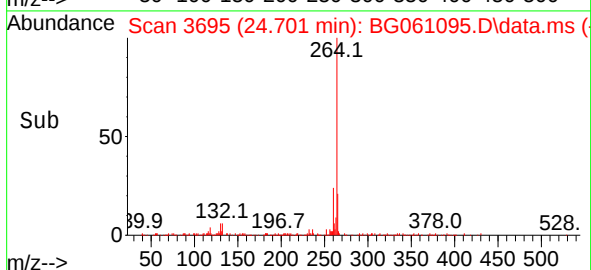
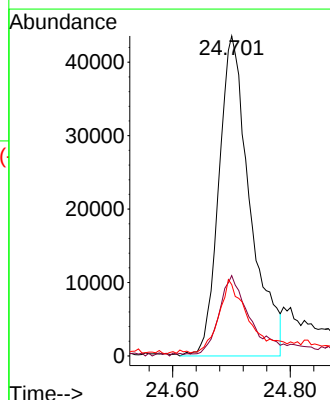
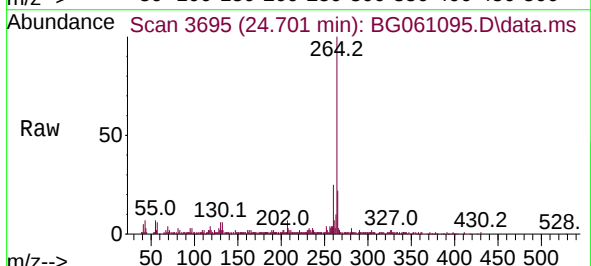
RT: 24.701 min Scan# 3695

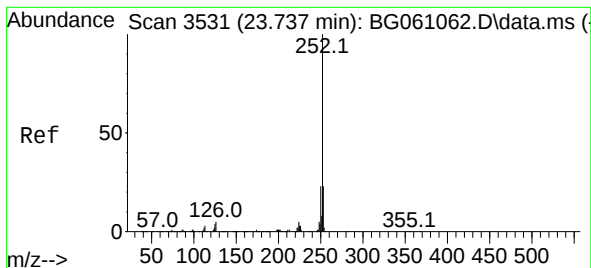
Delta R.T. -0.029 min

Lab File: BG061095.D

Acq: 2 May 2024 16:04

Tgt Ion:	264	Resp:	160101
Ion Ratio	Lower	Upper	
264	100		
260	25.1	17.7	26.5
265	22.3	16.4	24.6





#88

Benzo(b)fluoranthene

Concen: 5.177 ng

RT: 23.719 min Scan# 3528

Delta R.T. -0.018 min

Lab File: BG061095.D

Acq: 2 May 2024 16:04

Instrument :

BNA_G

ClientSampleId :

DRT-5204

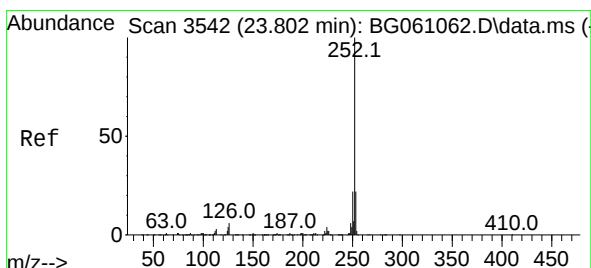
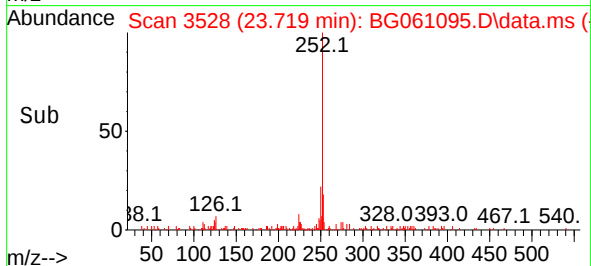
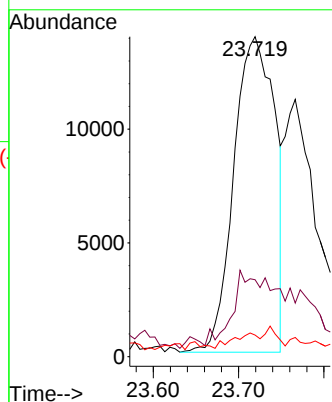
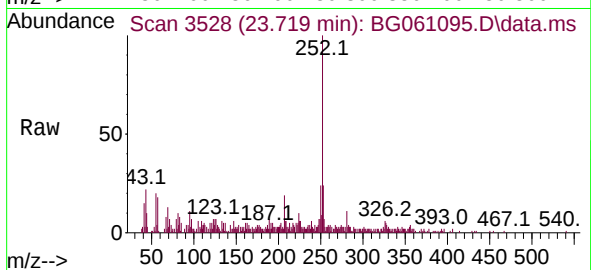
Tgt Ion:	252	Resp:	4631
Ion Ratio	Lower	Upper	
252	100		
253	24.0	18.2	27.2
125	6.7	3.4	5.0

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 05/03/2024

Supervised By :mohammad ahmed 05/06/2024



#89

Benzo(k)fluoranthene

Concen: 3.070 ng m

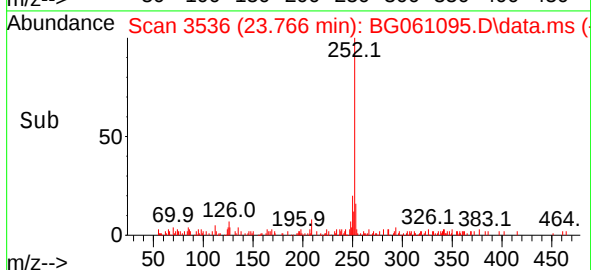
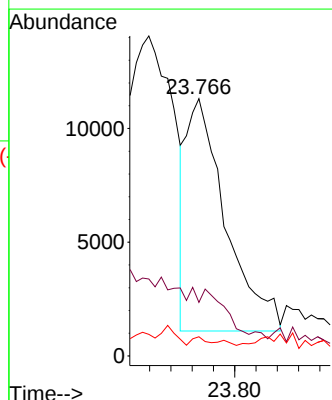
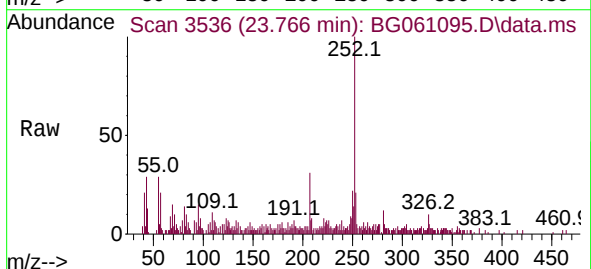
RT: 23.766 min Scan# 3536

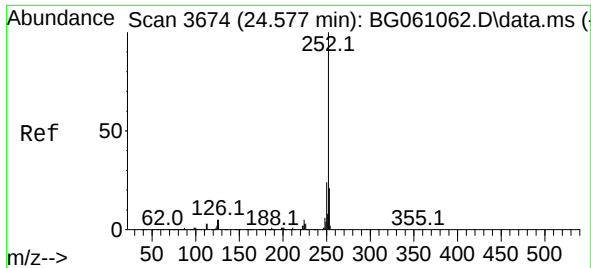
Delta R.T. -0.035 min

Lab File: BG061095.D

Acq: 2 May 2024 16:04

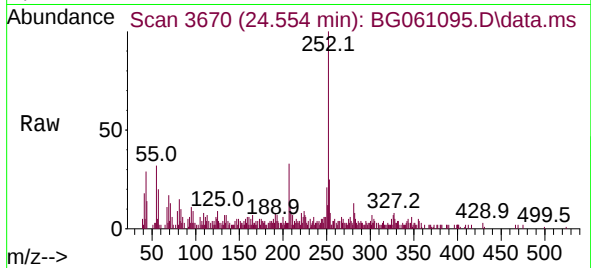
Tgt Ion:	252	Resp:	26421
Ion Ratio	Lower	Upper	
252	100		
253	20.9	17.3	25.9
125	7.5	3.2	4.8





#90
 Benzo(a)pyrene
 Concen: 3.592 ng
 RT: 24.554 min Scan# 30
 Delta R.T. -0.024 min
 Lab File: BG061095.D
 Acq: 2 May 2024 16:04

Instrument :
 BNA_G
 ClientSampleId :
 DRT-5204



Tgt Ion: 252 Resp: 27994
 Ion Ratio Lower Upper
 252 100
 253 24.8 16.9 25.3
 125 9.4 3.8 5.8

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 05/03/2024
 Supervised By :mohammad ahmed 05/06/2024

