

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG050224\
 Data File : BG061089.D
 Acq On : 2 May 2024 11:58
 Operator : MA/JU
 Sample : P2330-11
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 E-2(0.5-1.5)

Manual Integrations
 APPROVED

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

Quant Time: May 02 13:04:15 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	7.931	152	21984	20.000	ng	-0.03
21) Naphthalene-d8	10.728	136	88400	20.000	ng	-0.03
39) Acenaphthene-d10	14.559	164	68037	20.000	ng	-0.03
64) Phenanthrene-d10	17.308	188	163525	20.000	ng	-0.02
76) Chrysene-d12	21.562	240	167560	20.000	ng	-0.03
86) Perylene-d12	24.688	264	190321	20.000	ng	-0.04
System Monitoring Compounds						
5) 2-Fluorophenol	5.522	112	101569	93.961	ng	-0.02
7) Phenol-d6	7.109	99	142003	88.802	ng	-0.02
23) Nitrobenzene-d5	9.089	82	104663	58.692	ng	-0.03
42) 2,4,6-Tribromophenol	16.051	330	125236	92.089	ng	-0.02
45) 2-Fluorobiphenyl	13.184	172	295894	64.310	ng	-0.02
79) Terphenyl-d14	19.929	244	585612	58.126	ng	-0.02
Target Compounds						Qvalue
71) Phenanthrene	17.349	178	23130	3.093	ng	100
75) Fluoranthene	19.359	202	77113	7.528	ng	99
78) Pyrene	19.723	202	73170	6.869	ng	99
81) Benzo(a)anthracene	21.545	228	42222	3.851	ng	# 93
83) Chrysene	21.609	228	41638	4.053	ng	92
87) Indeno(1,2,3-cd)pyrene	28.219	276	26330m	2.088	ng	
88) Benzo(b)fluoranthene	23.701	252	50693	4.767	ng	# 97
89) Benzo(k)fluoranthene	23.754	252	20701m	2.023	ng	
90) Benzo(a)pyrene	24.535	252	38945	4.203	ng	# 98
92) Benzo(g,h,i)perylene	29.324	276	22252m	2.144	ng	

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

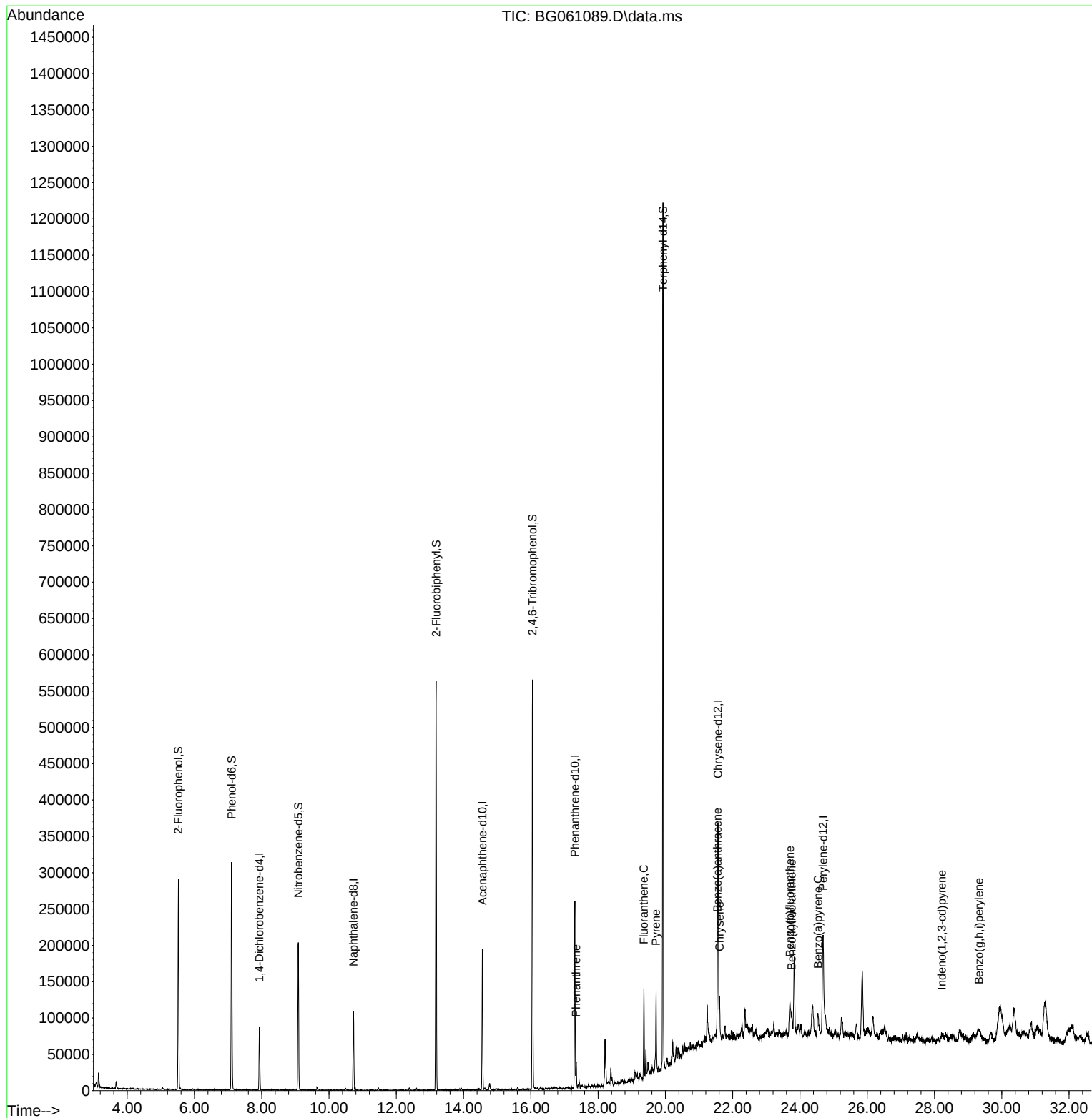
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG050224\
Data File : BG061089.D
Acq On : 2 May 2024 11:58
Operator : MA/JU
Sample : P2330-11
Misc :
ALS Vial : 5 Sample Multiplier: 1

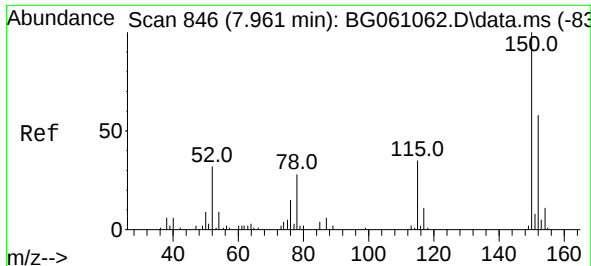
Instrument :
BNA_G
ClientSampleId :
E-2(0.5-1.5)

Quant Time: May 02 13:04:15 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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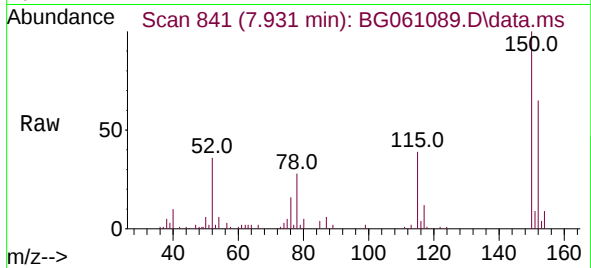
Reviewed By :Yogesh Patel 05/03/2024
Supervised By :mohammad ahmed 05/06/2024





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.931 min Scan# 846
Delta R.T. -0.030 min
Lab File: BG061089.D
Acq: 2 May 2024 11:58

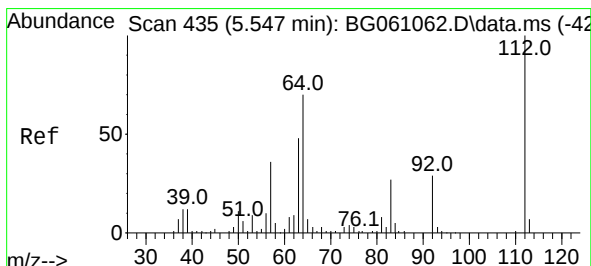
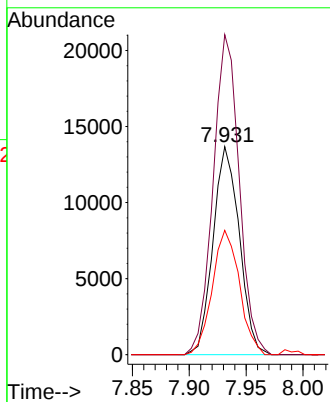
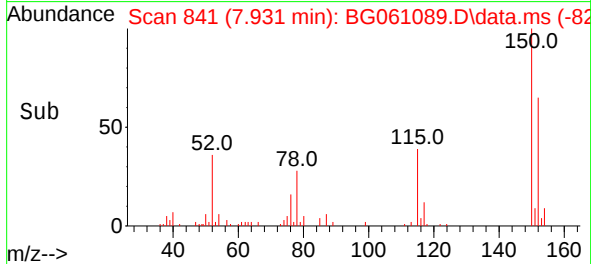
Instrument :
BNA_G
ClientSampleId :
E-2(0.5-1.5)



Tgt Ion:152 Resp: 21984
Ion Ratio Lower Upper
152 100
150 153.9 138.3 207.5
115 59.8 48.0 72.0

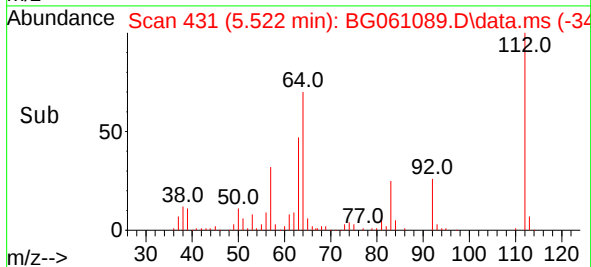
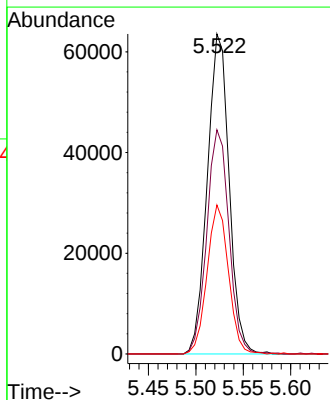
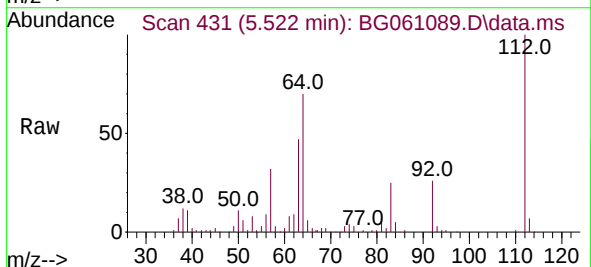
Manual Integrations
APPROVED

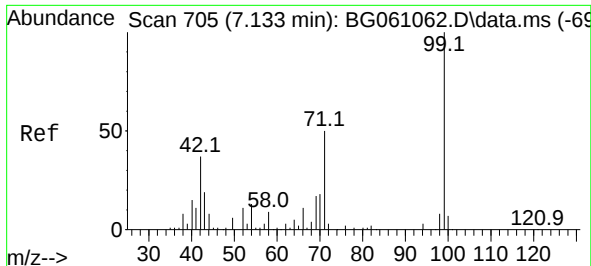
Reviewed By :Yogesh Patel 05/03/2024
Supervised By :mohammad ahmed 05/06/2024



#5
2-Fluorophenol
Concen: 93.961 ng
RT: 5.522 min Scan# 431
Delta R.T. -0.024 min
Lab File: BG061089.D
Acq: 2 May 2024 11:58

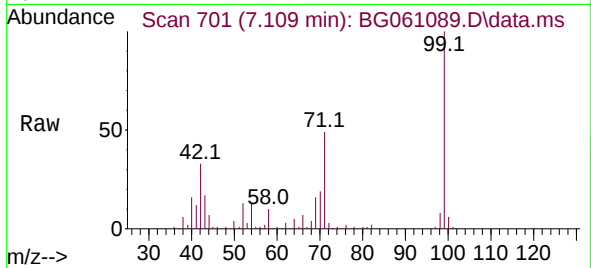
Tgt Ion:112 Resp: 101569
Ion Ratio Lower Upper
112 100
64 70.0 55.7 83.5
63 46.6 38.1 57.1





#7
Phenol-d6
Concen: 88.802 ng
RT: 7.109 min Scan# 71
Delta R.T. -0.024 min
Lab File: BG061089.D
Acq: 2 May 2024 11:58

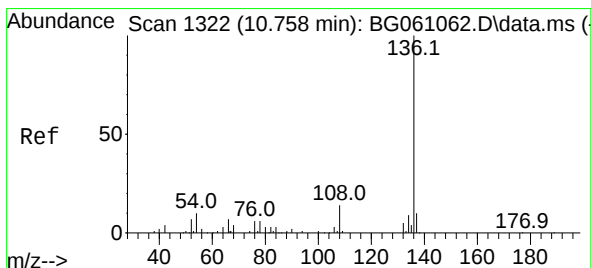
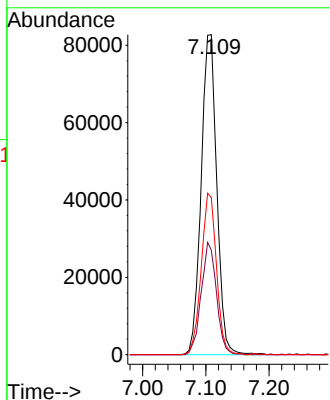
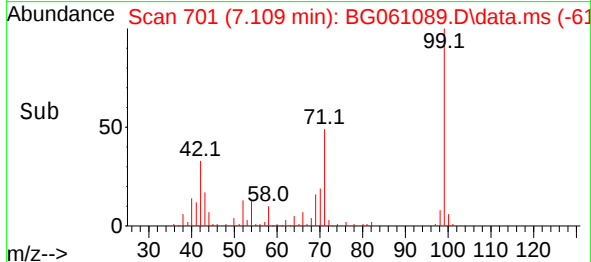
Instrument :
BNA_G
ClientSampleId :
E-2(0.5-1.5)



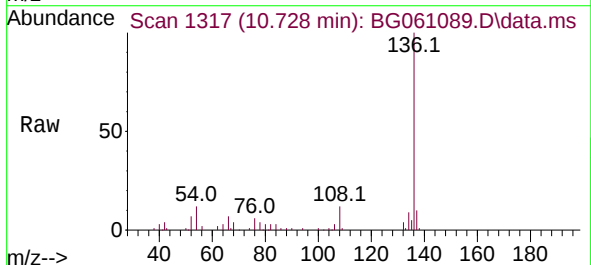
Tgt Ion: 99 Resp: 142000
Ion Ratio Lower Upper
99 100
42 32.7 29.2 43.8
71 49.1 39.7 59.5

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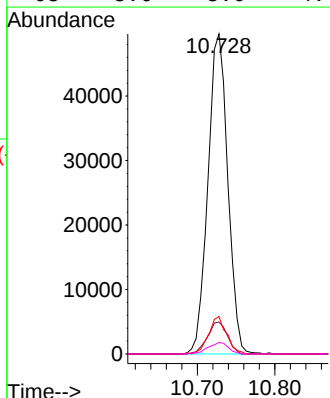
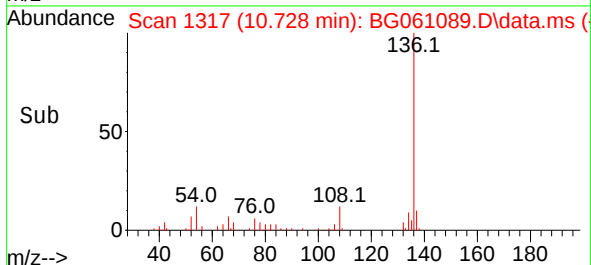
Reviewed By :Yogesh Patel 05/03/2024
Supervised By :mohammad ahmed 05/06/2024

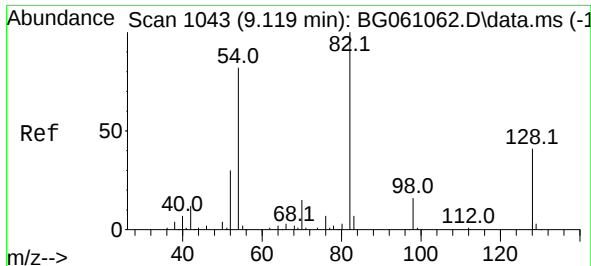


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.728 min Scan# 1317
Delta R.T. -0.030 min
Lab File: BG061089.D
Acq: 2 May 2024 11:58



Tgt Ion:136 Resp: 88400
Ion Ratio Lower Upper
136 100
137 10.0 7.8 11.6
54 11.7 8.1 12.1
68 3.6 3.0 4.4





#23

Nitrobenzene-d5

Concen: 58.692 ng

RT: 9.089 min Scan# 10466

Delta R.T. -0.030 min

Lab File: BG061089.D

Acq: 2 May 2024 11:58

Instrument :

BNA_G

ClientSampleId :

E-2(0.5-1.5)

Tgt Ion: 82 Resp: 10466

Ion Ratio Lower Upper

82 100

128 37.3 32.7 49.1

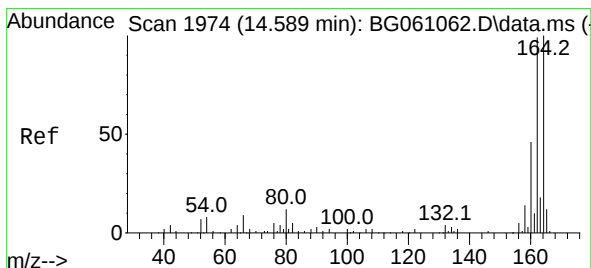
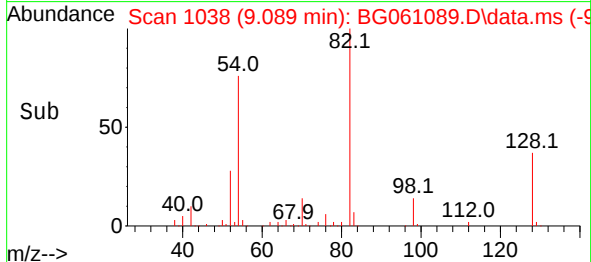
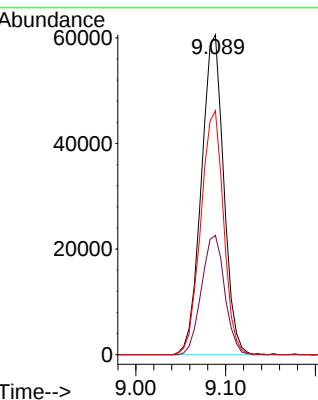
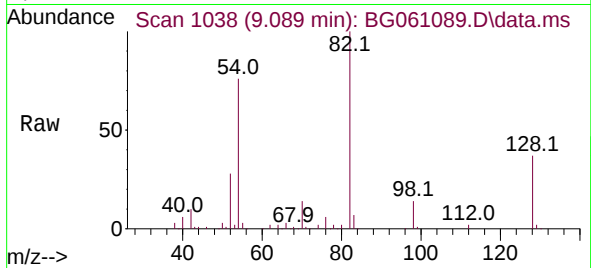
54 76.3 65.6 98.4

Manual Integrations

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Reviewed By :Yogesh Patel 05/03/2024

Supervised By :mohammad ahmed 05/06/2024



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.559 min Scan# 1969

Delta R.T. -0.030 min

Lab File: BG061089.D

Acq: 2 May 2024 11:58

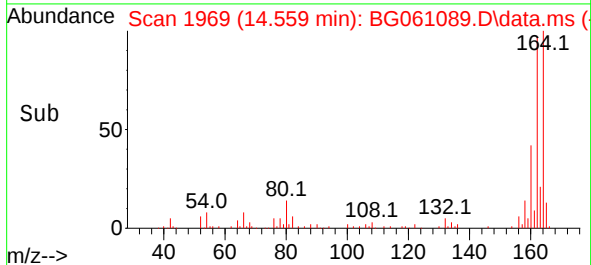
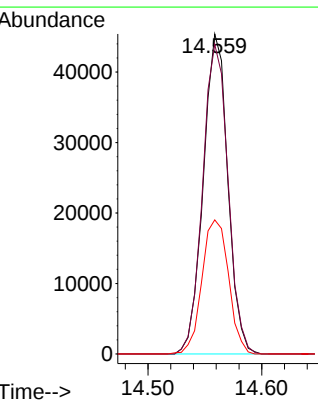
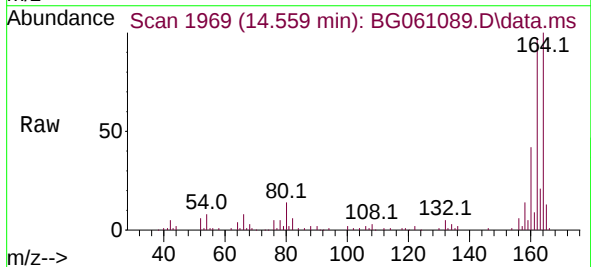
Tgt Ion:164 Resp: 68037

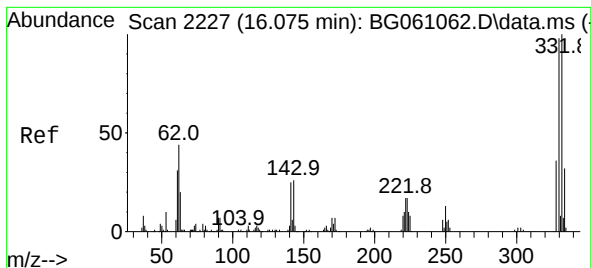
Ion Ratio Lower Upper

164 100

162 96.7 79.4 119.2

160 41.9 37.0 55.6





#42
2,4,6-Tribromophenol
Concen: 92.089 ng
RT: 16.051 min Scan# 21
Delta R.T. -0.024 min
Lab File: BG061089.D
Acq: 2 May 2024 11:58

Instrument :

BNA_G

ClientSampleId :

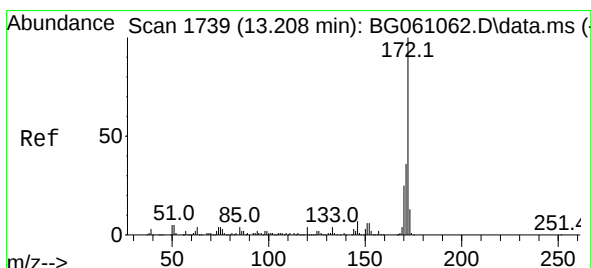
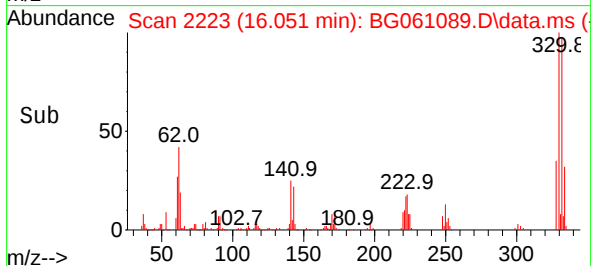
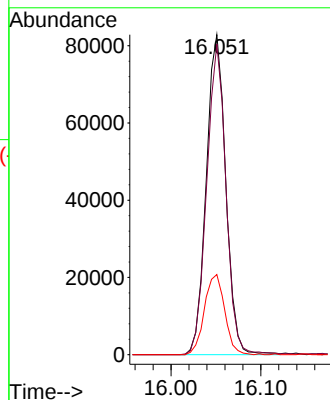
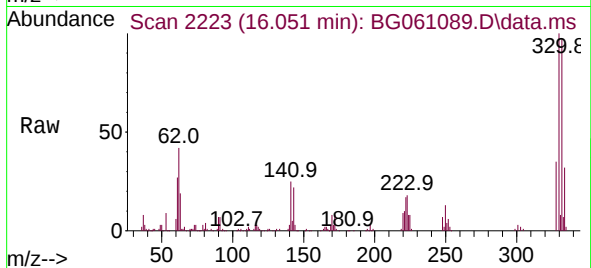
E-2(0.5-1.5)

Tgt Ion:330 Resp: 125230
Ion Ratio Lower Upper
330 100
332 95.8 78.6 117.8
141 26.0 20.5 30.7

Manual Integrations

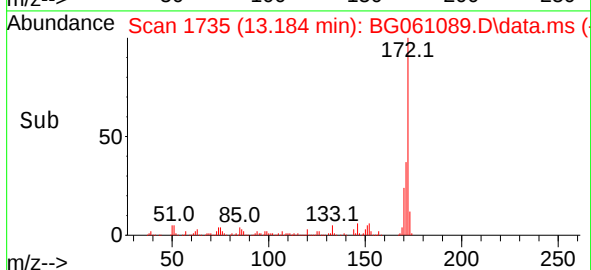
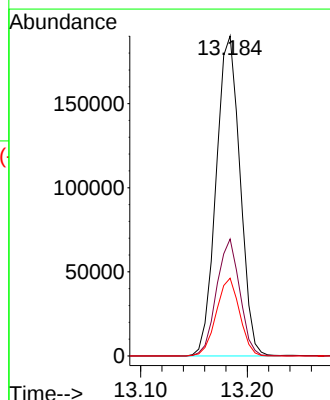
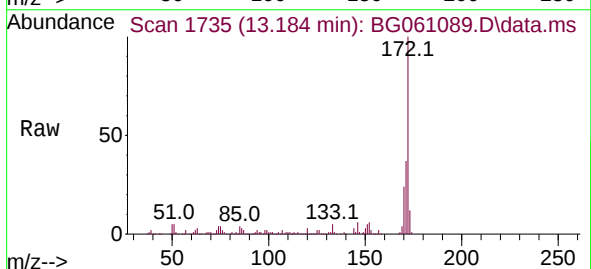
APPROVED

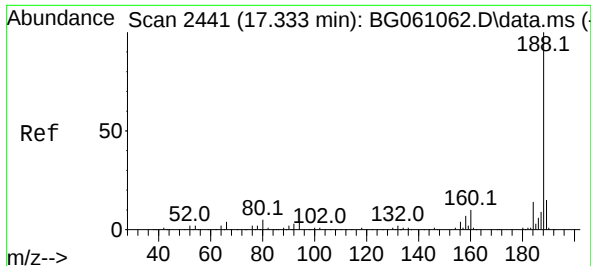
Reviewed By :Yogesh Patel 05/03/2024
Supervised By :mohammad ahmed 05/06/2024



#45
2-Fluorobiphenyl
Concen: 64.310 ng
RT: 13.184 min Scan# 1735
Delta R.T. -0.024 min
Lab File: BG061089.D
Acq: 2 May 2024 11:58

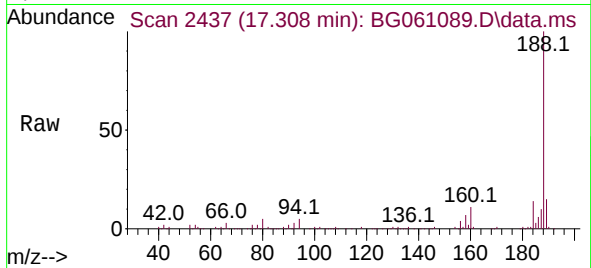
Tgt Ion:172 Resp: 295894
Ion Ratio Lower Upper
172 100
171 36.6 29.0 43.6
170 24.3 20.2 30.4





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.308 min Scan# 2437
Delta R.T. -0.024 min
Lab File: BG061089.D
Acq: 2 May 2024 11:58

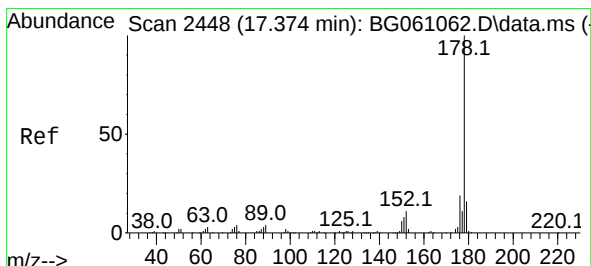
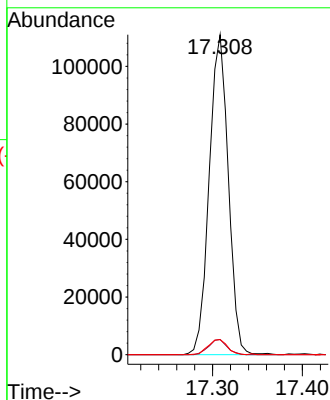
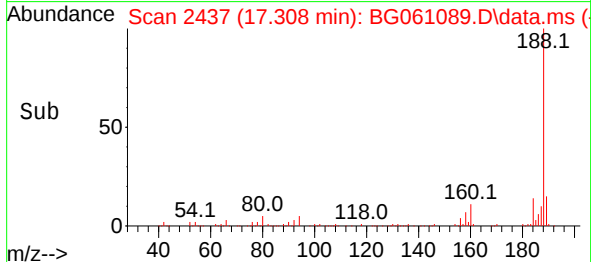
Instrument :
BNA_G
ClientSampleId :
E-2(0.5-1.5)



Tgt Ion:188 Resp: 163524
Ion Ratio Lower Upper
188 100
94 4.7 3.6 5.4
80 4.7 4.2 6.2

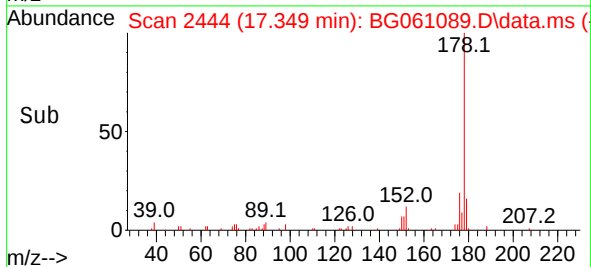
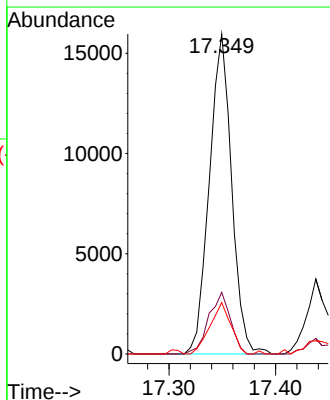
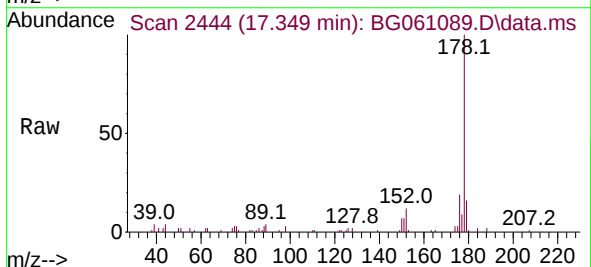
Manual Integrations
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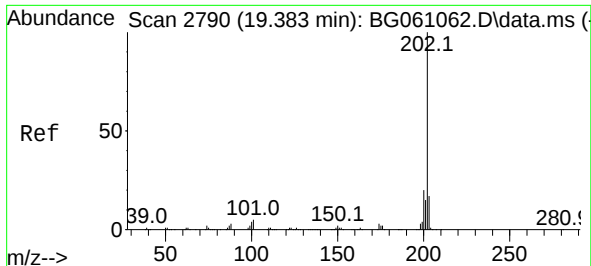
Reviewed By :Yogesh Patel 05/03/2024
Supervised By :mohammad ahmed 05/06/2024



#71
Phenanthrene
Concen: 3.093 ng
RT: 17.349 min Scan# 2444
Delta R.T. -0.024 min
Lab File: BG061089.D
Acq: 2 May 2024 11:58

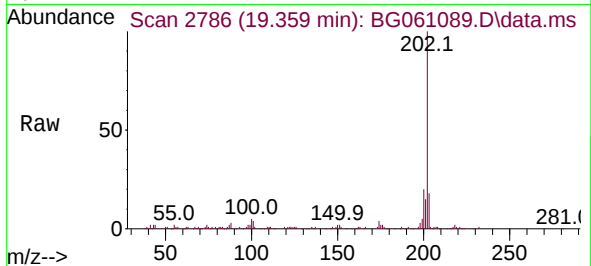
Tgt Ion:178 Resp: 23130
Ion Ratio Lower Upper
178 100
176 19.2 15.5 23.3
179 16.0 12.6 19.0





#75
Fluoranthene
Concen: 7.528 ng
RT: 19.359 min Scan# 21
Delta R.T. -0.024 min
Lab File: BG061089.D
Acq: 2 May 2024 11:58

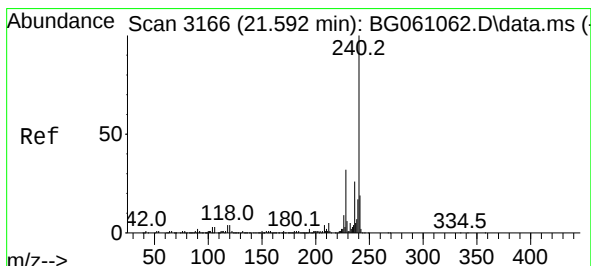
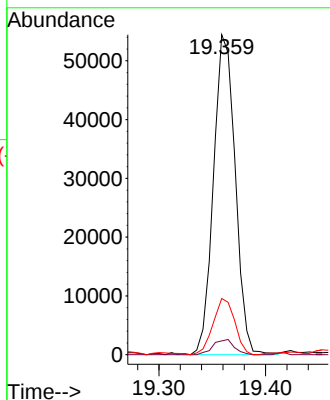
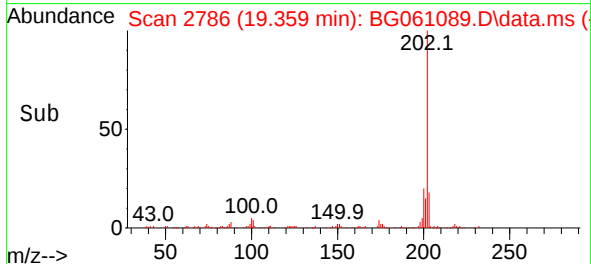
Instrument :
BNA_G
ClientSampleId :
E-2(0.5-1.5)



Tgt Ion:202 Resp: 77113
Ion Ratio Lower Upper
202 100
101 4.3 0.0 24.7
203 17.5 0.0 37.1

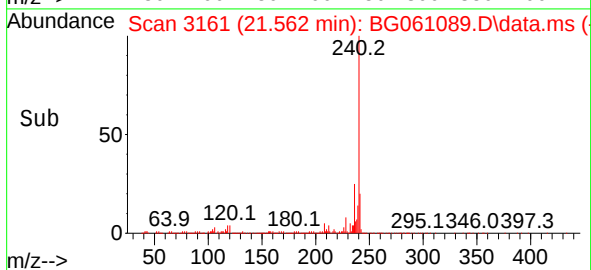
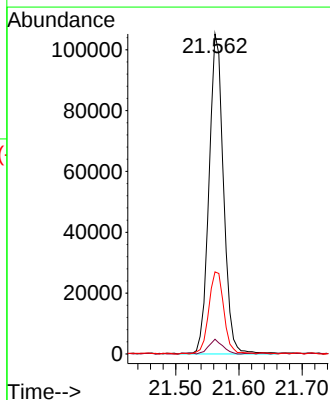
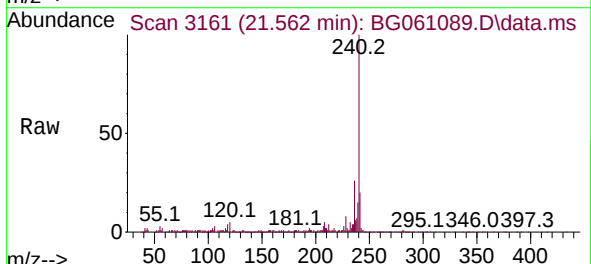
Manual Integrations
APPROVED

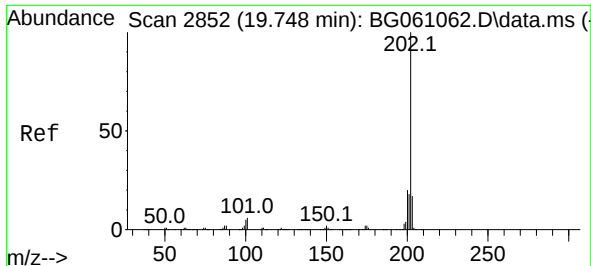
Reviewed By :Yogesh Patel 05/03/2024
Supervised By :mohammad ahmed 05/06/2024



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.562 min Scan# 3161
Delta R.T. -0.030 min
Lab File: BG061089.D
Acq: 2 May 2024 11:58

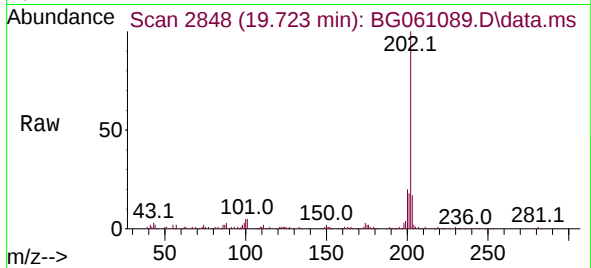
Tgt Ion:240 Resp: 167560
Ion Ratio Lower Upper
240 100
120 4.6 3.2 4.8
236 25.7 21.0 31.6





#78
Pyrene
Concen: 6.869 ng
RT: 19.723 min Scan# 2848
Delta R.T. -0.024 min
Lab File: BG061089.D
Acq: 2 May 2024 11:58

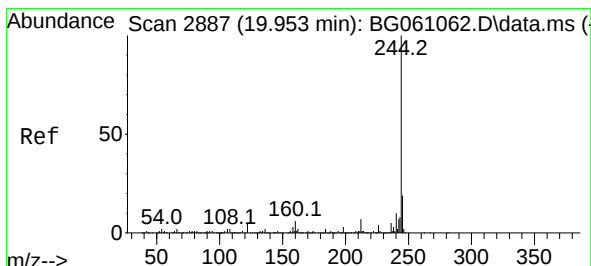
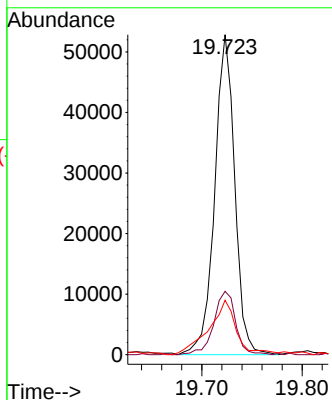
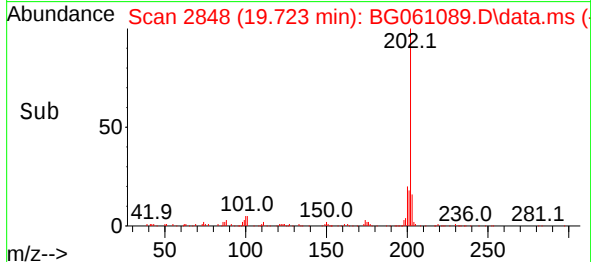
Instrument :
BNA_G
ClientSampleId :
E-2(0.5-1.5)



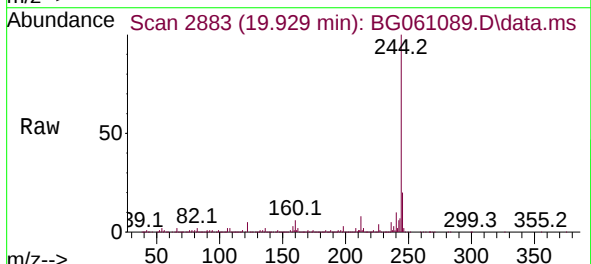
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Ion Ratio Lower Upper
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203 17.0 13.3 19.9

Manual Integrations
APPROVED

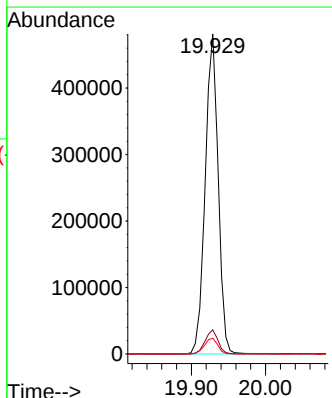
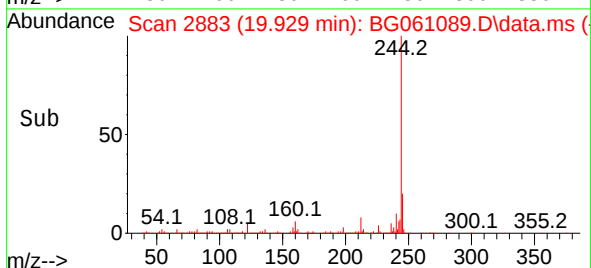
Reviewed By :Yogesh Patel 05/03/2024
Supervised By :mohammad ahmed 05/06/2024

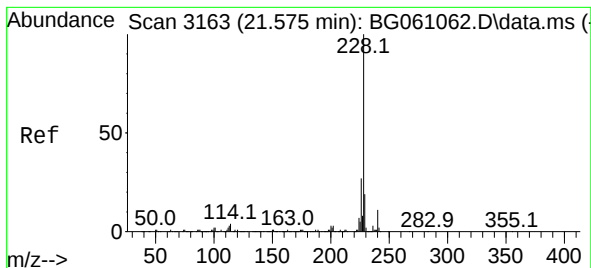


#79
Terphenyl-d14
Concen: 58.126 ng
RT: 19.929 min Scan# 2883
Delta R.T. -0.024 min
Lab File: BG061089.D
Acq: 2 May 2024 11:58



Tgt Ion:244 Resp: 585612
Ion Ratio Lower Upper
244 100
212 7.6 5.7 8.5
122 4.9 4.2 6.2





#81

Benzo(a)anthracene

Concen: 3.851 ng

RT: 21.545 min Scan# 3158

Delta R.T. -0.030 min

Lab File: BG061089.D

Acq: 2 May 2024 11:58

Instrument :

BNA_G

ClientSampleId :

E-2(0.5-1.5)

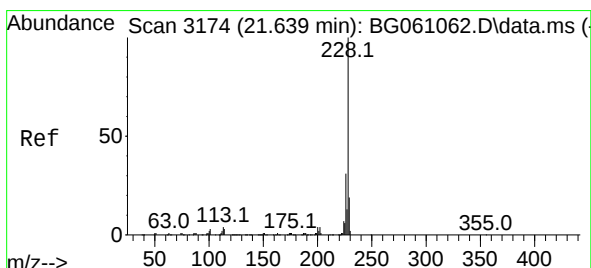
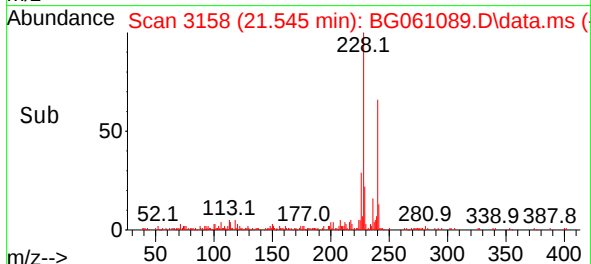
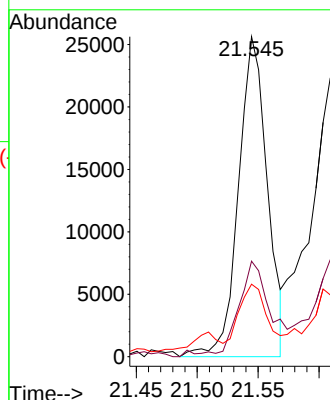
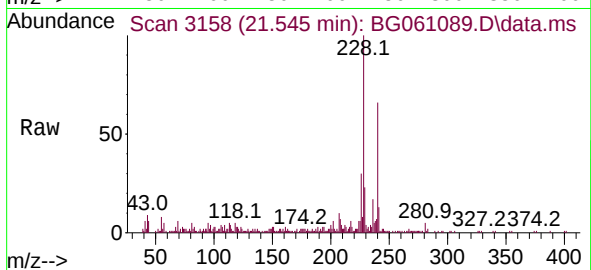
Tgt Ion:228 Resp: 4222
Ion Ratio Lower Upper
228 100
226 29.8 21.6 32.4
229 22.6 15.0 22.4

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 05/03/2024

Supervised By :mohammad ahmed 05/06/2024



#83

Chrysene

Concen: 4.053 ng

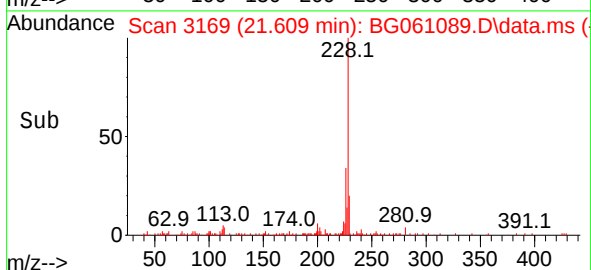
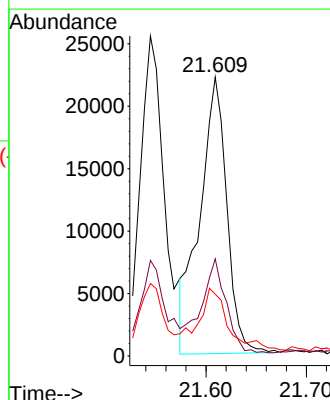
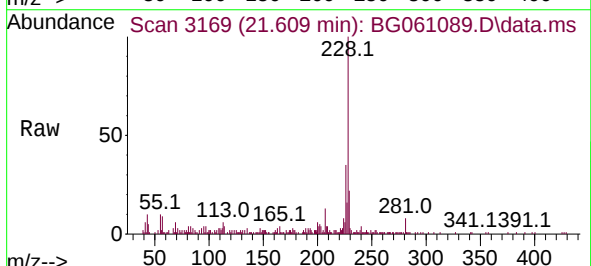
RT: 21.609 min Scan# 3169

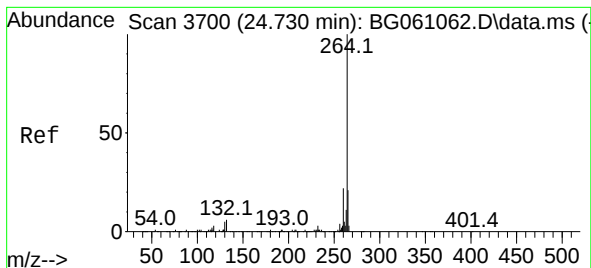
Delta R.T. -0.030 min

Lab File: BG061089.D

Acq: 2 May 2024 11:58

Tgt Ion:228 Resp: 41638
Ion Ratio Lower Upper
228 100
226 34.8 24.4 36.6
229 22.2 14.8 22.2





#86

Perylene-d12

Concen: 20.000 ng

RT: 24.688 min Scan# 3

Delta R.T. -0.042 min

Lab File: BG061089.D

Acq: 2 May 2024 11:58

Instrument :

BNA_G

ClientSampleId :

E-2(0.5-1.5)

Tgt Ion:264 Resp: 19032

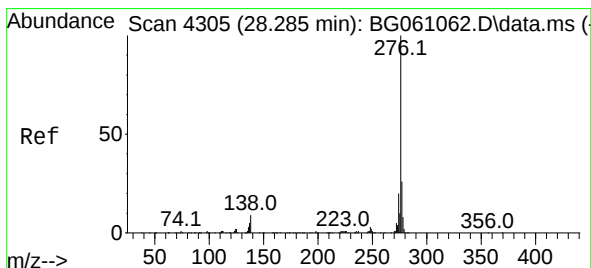
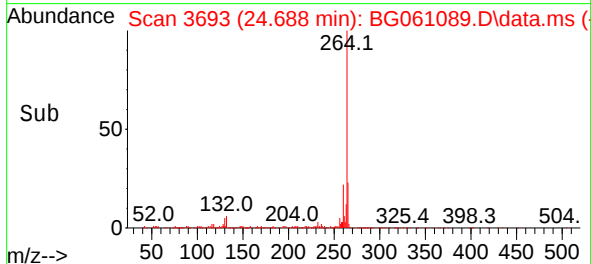
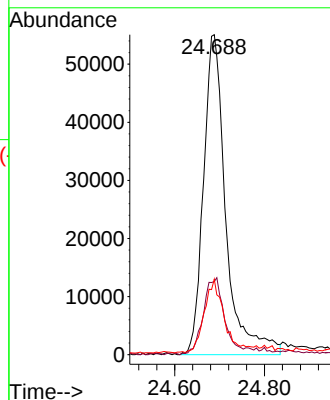
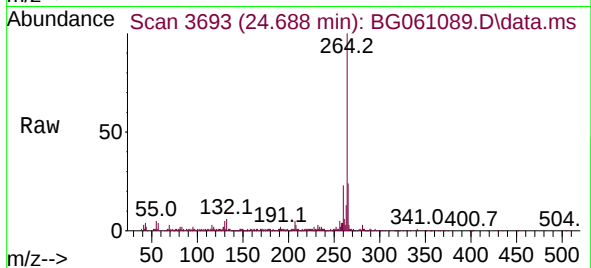
Ion	Ratio	Lower	Upper
264	100		
260	22.9	17.7	26.5
265	23.6	16.4	24.6

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 05/03/2024

Supervised By :mohammad ahmed 05/06/2024



#87

Indeno(1,2,3-cd)pyrene

Concen: 2.088 ng m

RT: 28.219 min Scan# 4294

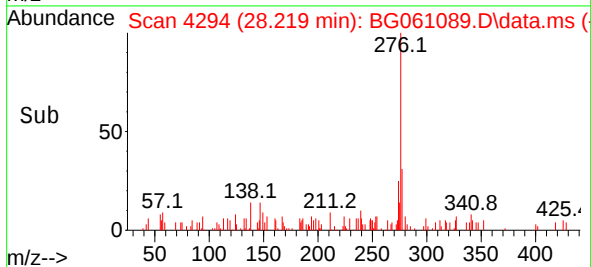
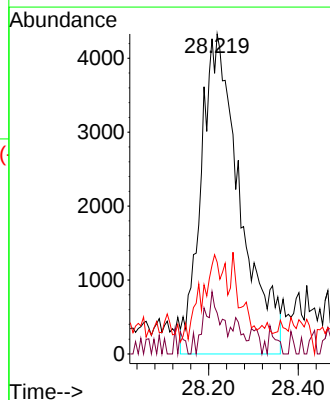
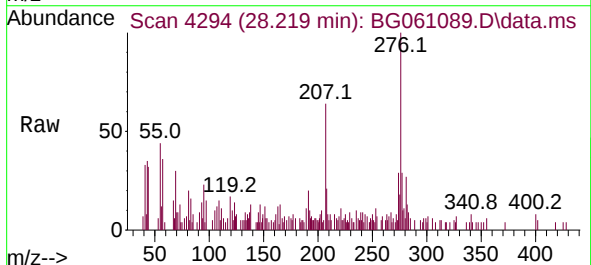
Delta R.T. -0.066 min

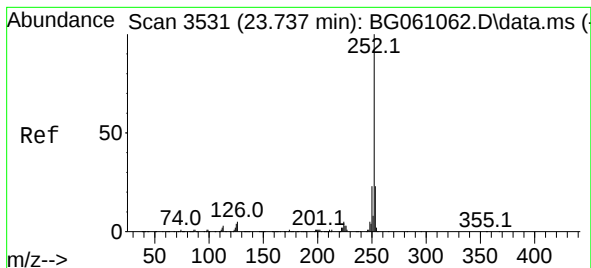
Lab File: BG061089.D

Acq: 2 May 2024 11:58

Tgt Ion:276 Resp: 26330

Ion	Ratio	Lower	Upper
276	100		
138	7.7	5.1	7.7
277	3.9	20.6	30.8





#88

Benzo(b)fluoranthene

Concen: 4.767 ng

RT: 23.701 min Scan# 3525

Delta R.T. -0.036 min

Lab File: BG061089.D

Acq: 2 May 2024 11:58

Instrument :

BNA_G

ClientSampleId :

E-2(0.5-1.5)

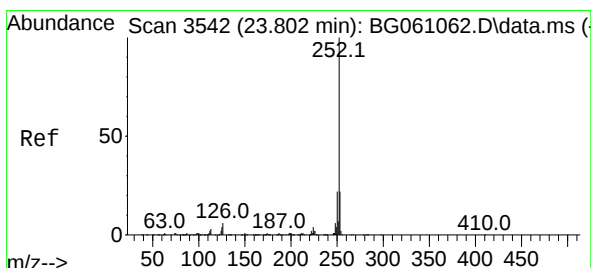
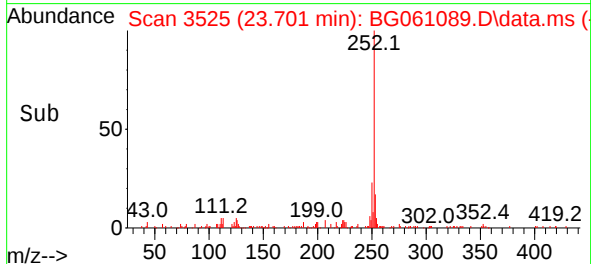
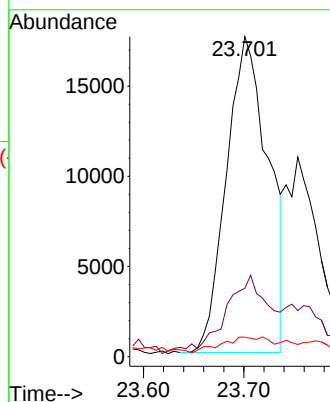
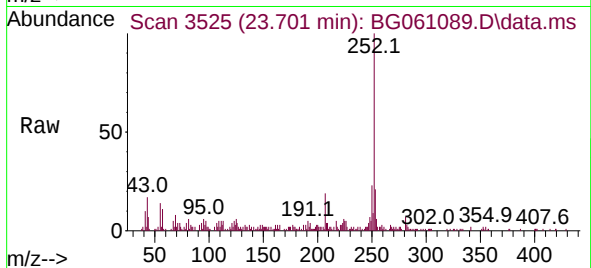
Tgt Ion:	252	Resp:	5069
Ion Ratio	Lower	Upper	
252	100		
253	21.3	18.2	27.2
125	6.1	3.4	5.0

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 05/03/2024

Supervised By :mohammad ahmed 05/06/2024



#89

Benzo(k)fluoranthene

Concen: 2.023 ng m

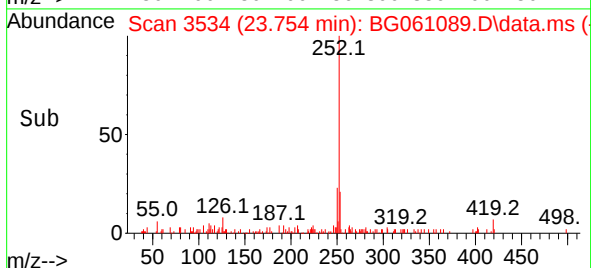
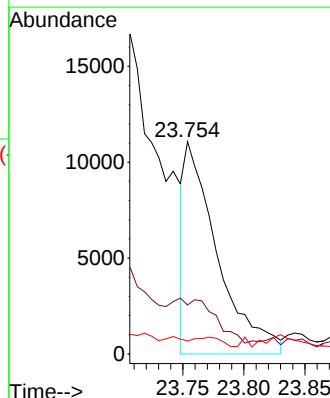
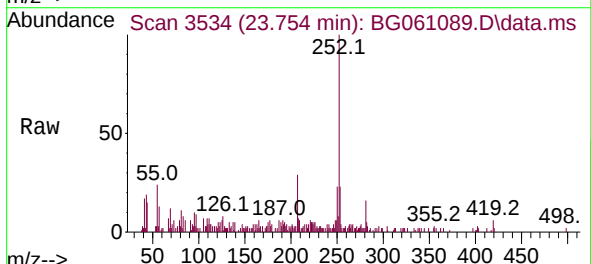
RT: 23.754 min Scan# 3534

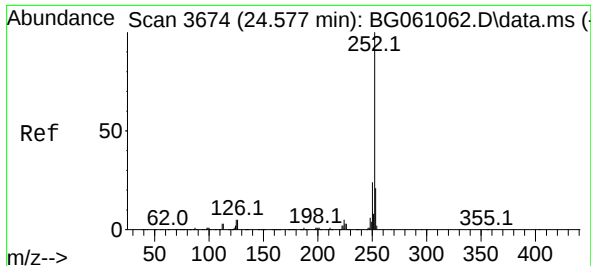
Delta R.T. -0.048 min

Lab File: BG061089.D

Acq: 2 May 2024 11:58

Tgt Ion:	252	Resp:	20701
Ion Ratio	Lower	Upper	
252	100		
253	23.1	17.3	25.9
125	6.1	3.2	4.8





#90

Benzo(a)pyrene

Concen: 4.203 ng

RT: 24.535 min Scan# 3

Delta R.T. -0.042 min

Lab File: BG061089.D

Acq: 2 May 2024 11:58

Instrument :

BNA_G

ClientSampleId :

E-2(0.5-1.5)

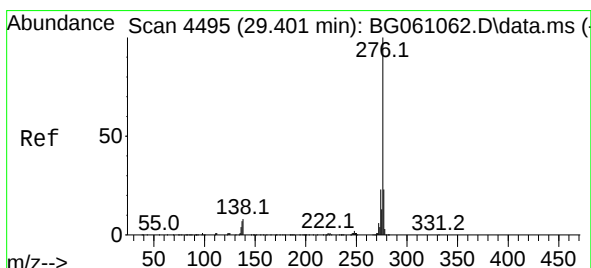
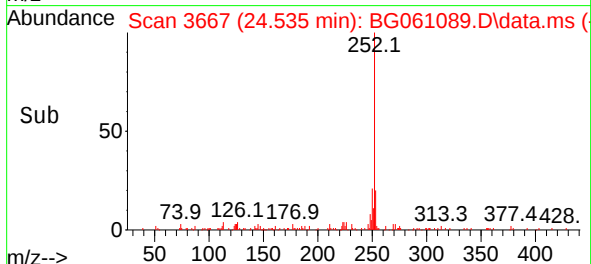
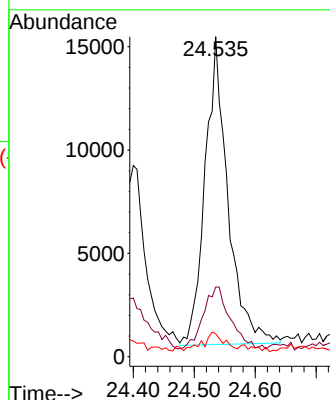
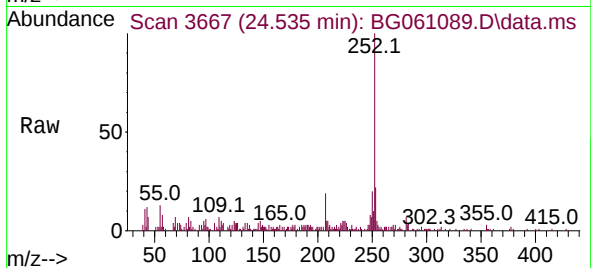
Tgt Ion:	252	Resp:	3894
Ion Ratio	Lower	Upper	
252	100		
253	21.8	16.9	25.3
125	7.2	3.8	5.8

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 05/03/2024

Supervised By :mohammad ahmed 05/06/2024



#92

Benzo(g,h,i)perylene

Concen: 2.144 ng m

RT: 29.324 min Scan# 4482

Delta R.T. -0.077 min

Lab File: BG061089.D

Acq: 2 May 2024 11:58

Tgt Ion:	276	Resp:	22252
Ion Ratio	Lower	Upper	
276	100		
277	20.7	18.2	27.4
138	9.0	6.2	9.2

