

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG060424\
 Data File : BG061479.D
 Acq On : 5 Jun 2024 7:58
 Operator : MA/JU
 Sample : P2589-07DL 5X
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 BH5W6DL

Manual Integrations
 APPROVED

Reviewed By :Jagrut Upadhyay 06/05/2024
 Supervised By :mohammad ahmed 06/07/2024

Quant Time: Jun 05 08:32:57 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG052124.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Thu May 30 22:54:48 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.873	152	32402	20.000	ng/u1	0.00
20) Naphthalene-d8	10.669	136	136511	20.000	ng/u1	# 0.00
38) Acenaphthene-d10	14.512	164	99983	20.000	ng/u1	0.00
64) Phenanthrene-d10	17.262	188	236936	20.000	ng/u1	0.00
79) Chrysene-d12	21.521	240	254565	20.000	ng/u1	0.00
88) Perylene-d12	24.612	264	297039	20.000	ng/u1	0.02
System Monitoring Compounds						
3) 1,4-Dioxane-d8	0.000	96	0d	0.000	ng/uL	
4) Pyridine-d5	3.742	84	6200	3.010	ng/u1	0.00
7) Phenol-d5	7.062	99	14082	5.292	ng/u1	0.00
9) Bis-(2-Chloroethyl)eth...	7.203	67	8313	4.970	ng/u1	0.00
11) 2-Chlorophenol-d4	7.414	132	11181	5.678	ng/u1	0.00
15) 4-Methylphenol-d8	8.595	113	10980	4.839	ng/u1	0.00
21) Nitrobenzene-d5	9.030	128	6502	6.186	ng/u1	0.00
24) 2-Nitrophenol-d4	9.753	143	6649	5.405	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	10.305	165	15015	6.261	ng/u1	0.00
31) 4-Chloroaniline-d4	10.805	131	5623m	1.792	ng/u1	0.00
46) Dimethylphthalate-d6	13.913	166	53180	6.858	ng/u1	0.00
49) Acenaphthylene-d8	14.201	160	52162	6.470	ng/u1	0.00
54) 4-Nitrophenol-d4	14.771	143	2986	3.115	ng/u1	0.03
60) Fluorene-d10	15.505	176	44107	6.588	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	15.658	200	3874m	2.703	ng/u1	0.02
73) Anthracene-d10	17.362	188	70205m	6.721	ng/u1	0.00
81) Pyrene-d10	19.659	212	90239	6.904	ng/u1	0.00
92) Benzo(a)pyrene-d12	24.395	264	97462	6.825	ng/u1	0.00
Target Compounds						
					Qvalue	
72) Phenanthrene	17.303	178	201313	17.506	ng/u1	99
74) Anthracene	17.397	178	24580	2.067	ng/u1	94
77) Carbazole	17.667	167	13853	1.432	ng/u1	99
80) Fluoranthene	19.324	202	565685	36.077	ng/u1	99
82) Pyrene	19.688	202	517357	31.786	ng/u1	99
85) Benzo(a)anthracene	21.504	228	339812	19.346	ng/u1	99
87) Chrysene	21.563	228	340832	21.073	ng/u1	98
90) Benzo(b)fluoranthene	23.637	252	462043	26.125	ng/u1	99
91) Benzo(k)fluoranthene	23.695	252	159439m	8.880	ng/u1	
93) Benzo(a)pyrene	24.471	252	330178	19.661	ng/u1	95
94) Indeno(1,2,3-cd)pyrene	28.125	276	223547	11.007	ng/u1	99
95) Dibenzo(a,h)anthracene	28.143	278	54394	3.248	ng/u1#	90
96) Benzo(g,h,i)perylene	29.218	276	175723m	10.876	ng/u1	

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

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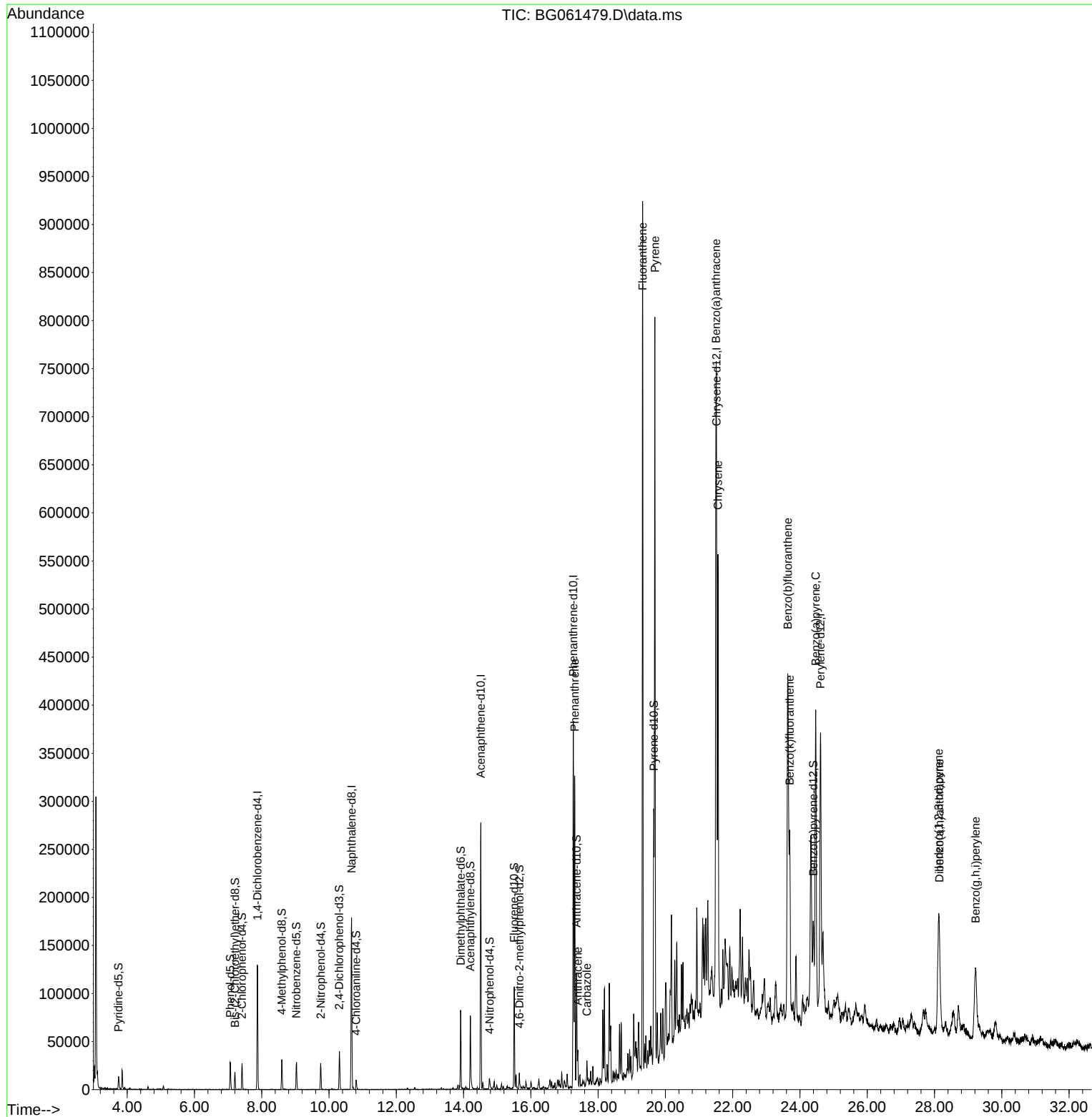
Quant Time: Jun 05 08:32:57 2024

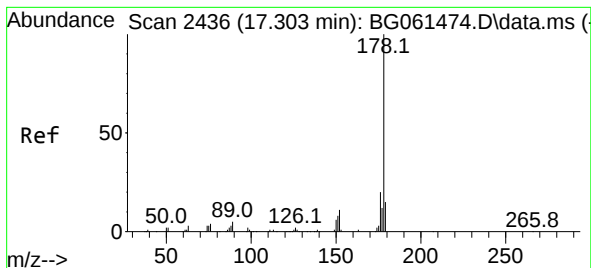
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG052124.MA.M

Quant Title : SVOA CALIBRATION

QLast Update : Thu May 30 22:54:48 2024

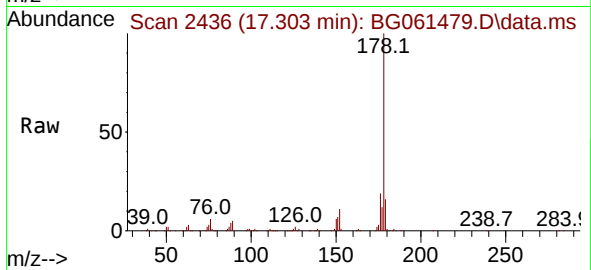
Response via : Initial Calibration





#72
Phenanthrene
Concen: 17.506 ng/uI
RT: 17.303 min Scan# 2436
Delta R.T. 0.003 min
Lab File: BG061479.D
Acq: 5 Jun 2024 7:58

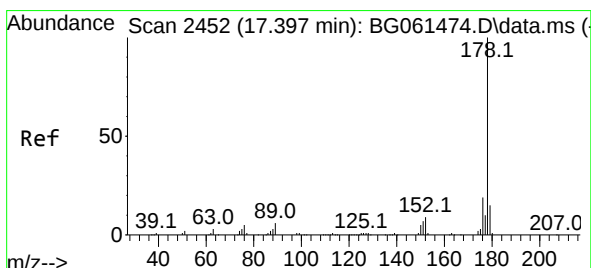
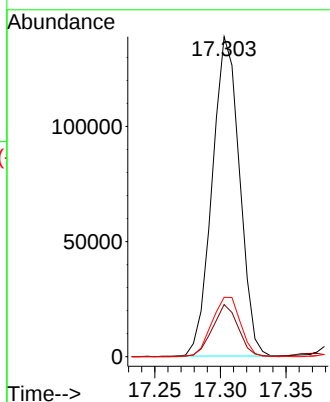
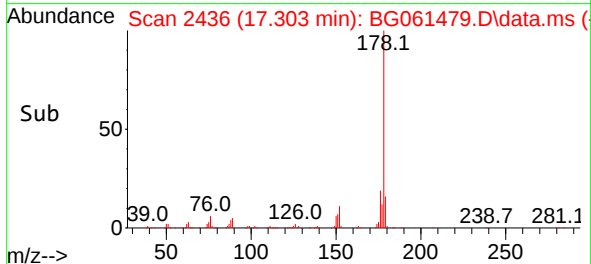
Instrument :
BNA_G
ClientSampleId :
BH5W6DL



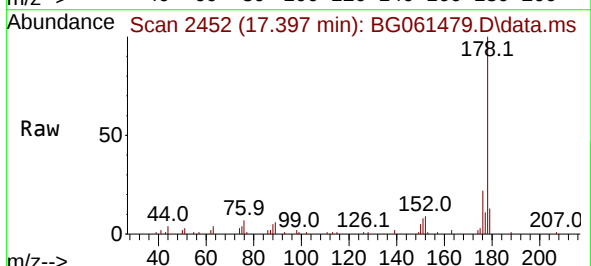
Tgt Ion:178 Resp: 20131
Ion Ratio Lower Upper
178 100
179 16.3 12.7 19.1
176 18.6 15.5 23.3

Manual Integrations
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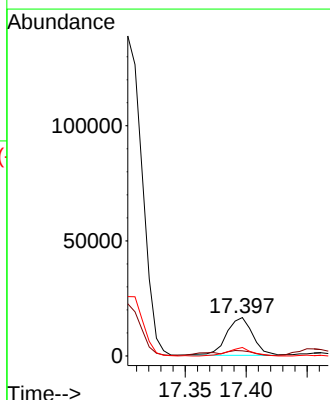
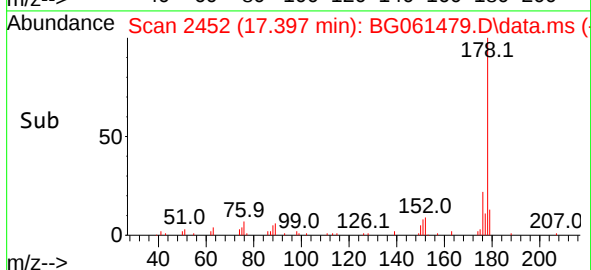
Reviewed By :Jagrut Upadhyay 06/05/2024
Supervised By :mohammad ahmed 06/07/2024

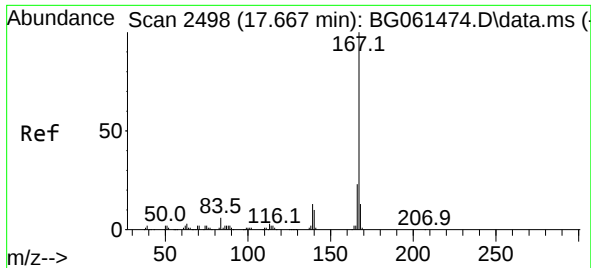


#74
Anthracene
Concen: 2.067 ng/uI
RT: 17.397 min Scan# 2452
Delta R.T. 0.003 min
Lab File: BG061479.D
Acq: 5 Jun 2024 7:58



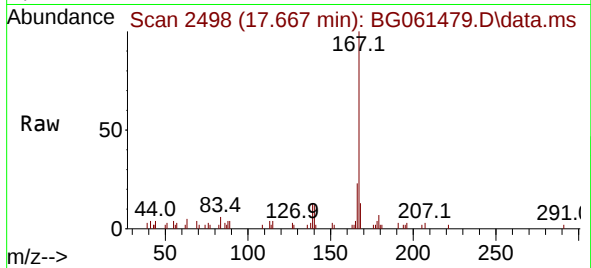
Tgt Ion:178 Resp: 24580
Ion Ratio Lower Upper
178 100
179 13.4 11.8 17.6
176 22.1 14.9 22.3





#77
 Carbazole
 Concen: 1.432 ng/ul
 RT: 17.667 min Scan# 2498
 Delta R.T. 0.003 min
 Lab File: BG061479.D
 Acq: 5 Jun 2024 7:58

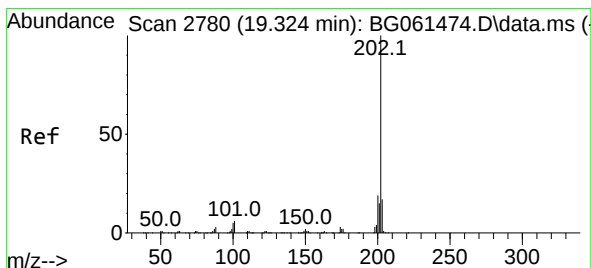
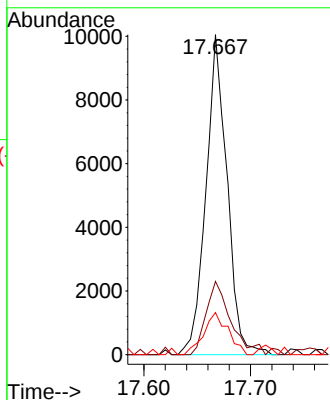
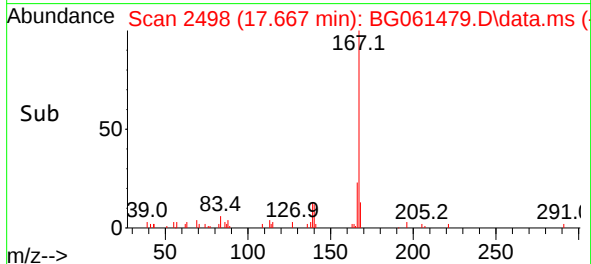
Instrument :
 BNA_G
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 BH5W6DL



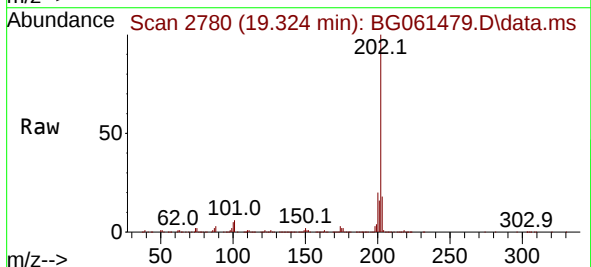
Tgt Ion:167 Resp: 1385
 Ion Ratio Lower Upper
 167 100
 166 22.9 18.6 28.0
 139 13.2 10.6 15.8

Manual Integrations
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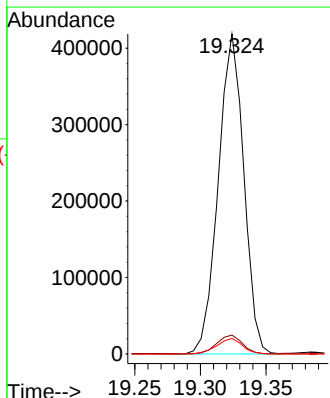
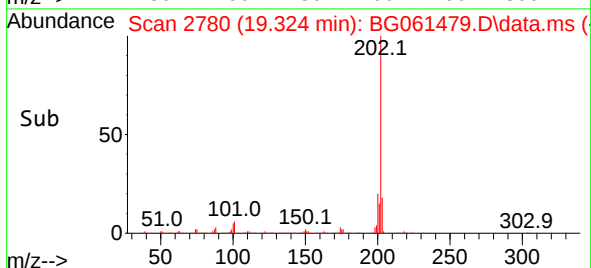
Reviewed By :Jagrut Upadhyay 06/05/2024
 Supervised By :mohammad ahmed 06/07/2024

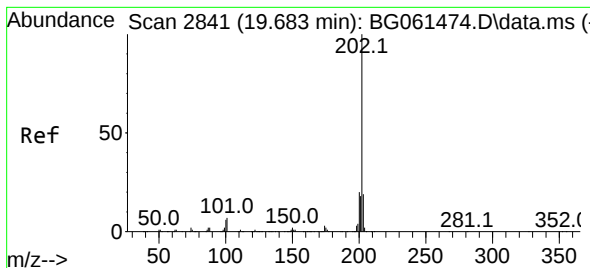


#80
 Fluoranthene
 Concen: 36.077 ng/ul
 RT: 19.324 min Scan# 2780
 Delta R.T. 0.009 min
 Lab File: BG061479.D
 Acq: 5 Jun 2024 7:58



Tgt Ion:202 Resp: 565685
 Ion Ratio Lower Upper
 202 100
 101 5.9 4.8 7.2
 100 4.8 4.1 6.1





#82

Pyrene

Concen: 31.786 ng/ul

RT: 19.688 min Scan# 21

Delta R.T. 0.009 min

Lab File: BG061479.D

Acq: 5 Jun 2024 7:58

Instrument :

BNA_G

ClientSampleId :

BH5W6DL

Tgt Ion:202 Resp: 51735

Ion Ratio Lower Upper

202 100

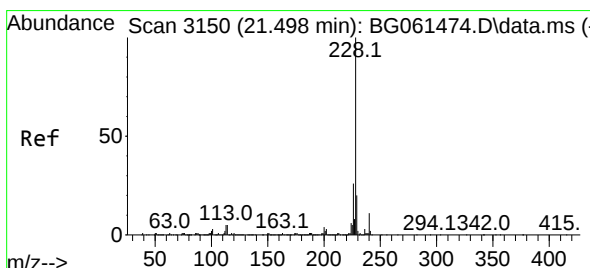
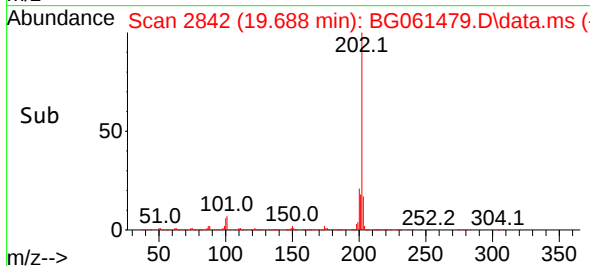
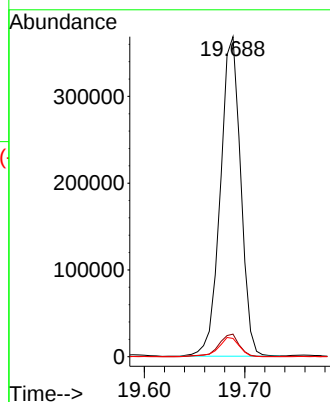
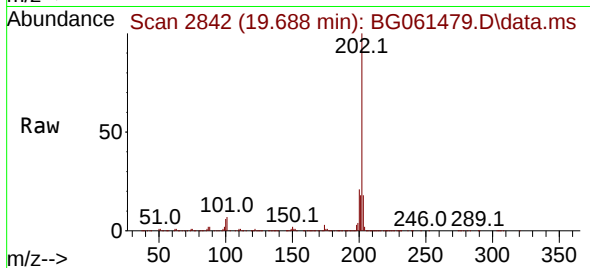
101 7.1 5.7 8.5

100 5.7 5.1 7.7

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#85

Benzo(a)anthracene

Concen: 19.346 ng/ul

RT: 21.504 min Scan# 3151

Delta R.T. 0.009 min

Lab File: BG061479.D

Acq: 5 Jun 2024 7:58

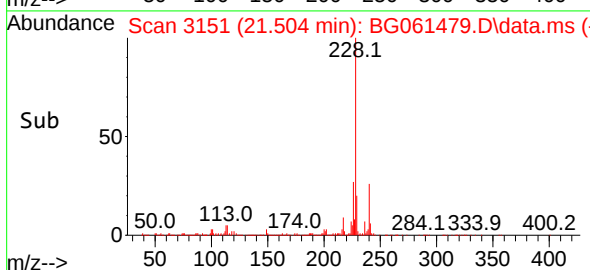
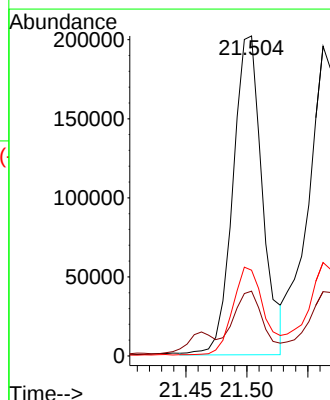
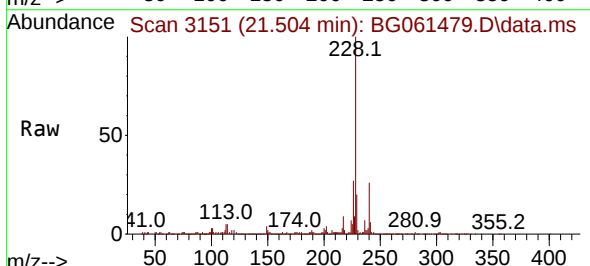
Tgt Ion:228 Resp: 339812

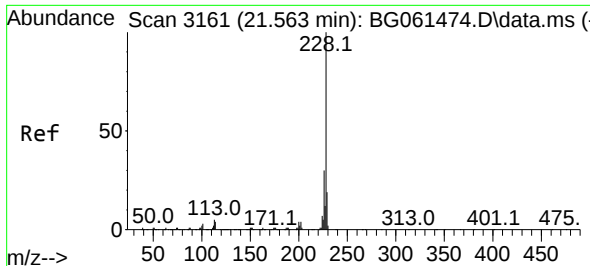
Ion Ratio Lower Upper

228 100

229 20.3 15.2 22.8

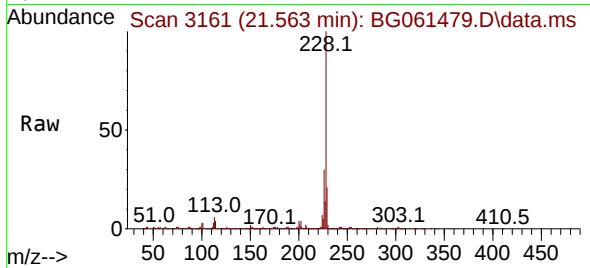
226 26.8 21.4 32.2





#87
Chrysene
Concen: 21.073 ng/ul
RT: 21.563 min Scan# 3161
Delta R.T. 0.009 min
Lab File: BG061479.D
Acq: 5 Jun 2024 7:58

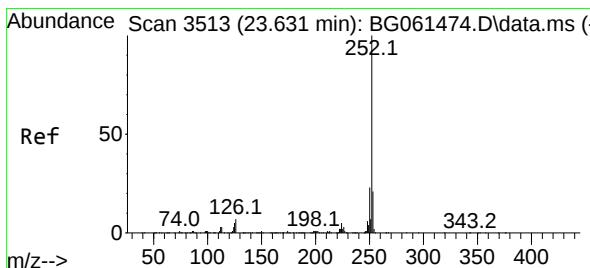
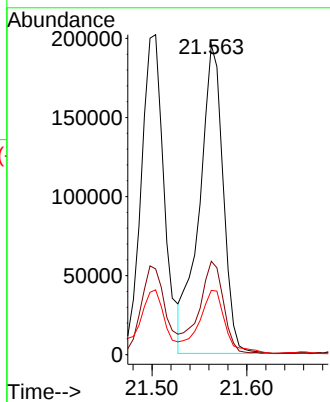
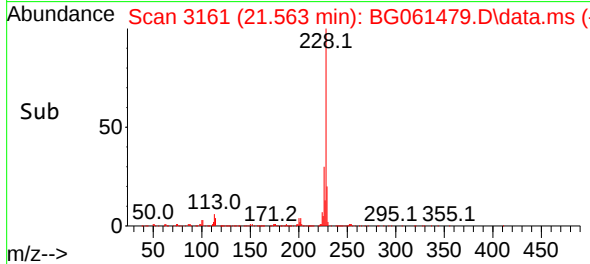
Instrument :
BNA_G
ClientSampleId :
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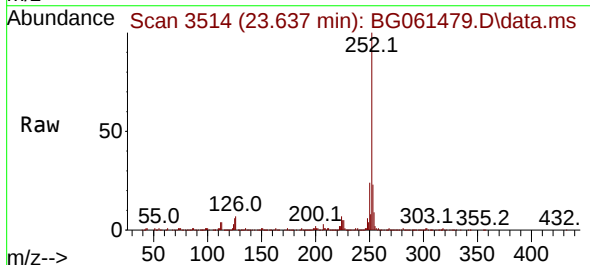
Tgt Ion:228 Resp: 340832
Ion Ratio Lower Upper
228 100
226 30.2 23.4 35.0
229 20.8 15.4 23.2

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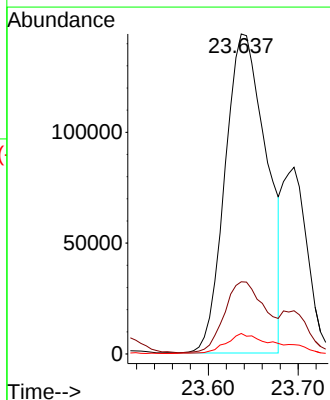
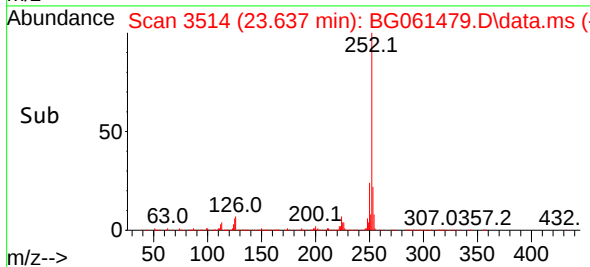
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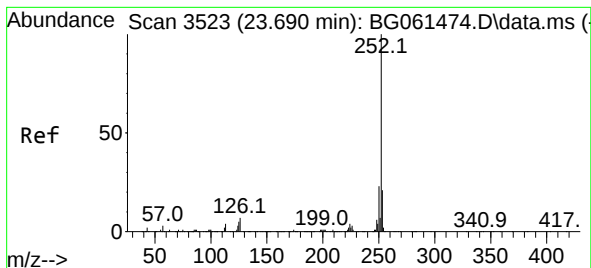


#90
Benzo(b)fluoranthene
Concen: 26.125 ng/ul
RT: 23.637 min Scan# 3514
Delta R.T. 0.021 min
Lab File: BG061479.D
Acq: 5 Jun 2024 7:58



Tgt Ion:252 Resp: 462043
Ion Ratio Lower Upper
252 100
253 22.6 17.8 26.8
125 6.4 4.6 6.8





#91

Benzo(k)fluoranthene

Concen: 8.880 ng/ul m

RT: 23.695 min Scan# 3

Delta R.T. 0.015 min

Lab File: BG061479.D

Acq: 5 Jun 2024 7:58

Instrument :

BNA_G

ClientSampleId :

BH5W6DL

Tgt Ion:252 Resp: 159439

Ion Ratio Lower Upper

252 100

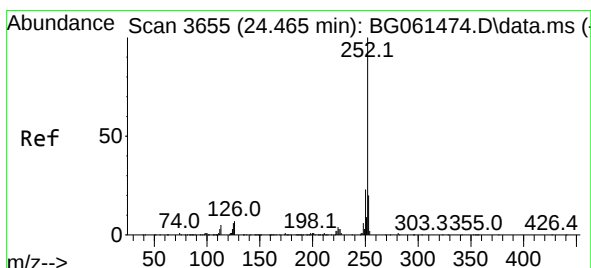
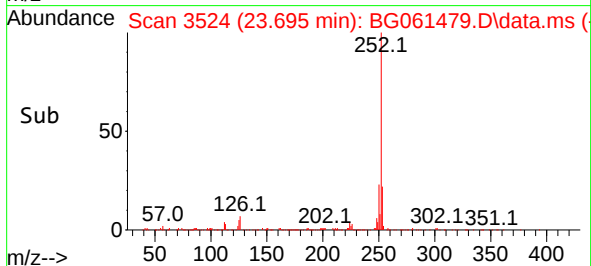
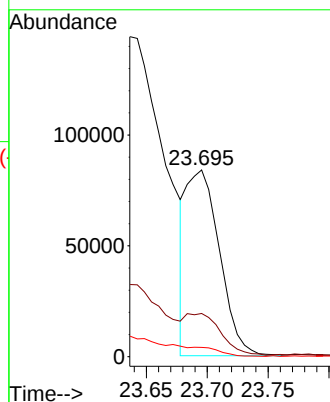
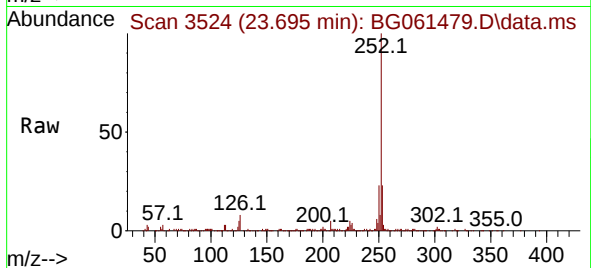
253 23.1 16.0 24.0

125 5.0 4.3 6.5

Manual Integrations

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#93

Benzo(a)pyrene

Concen: 19.661 ng/ul

RT: 24.471 min Scan# 3656

Delta R.T. 0.021 min

Lab File: BG061479.D

Acq: 5 Jun 2024 7:58

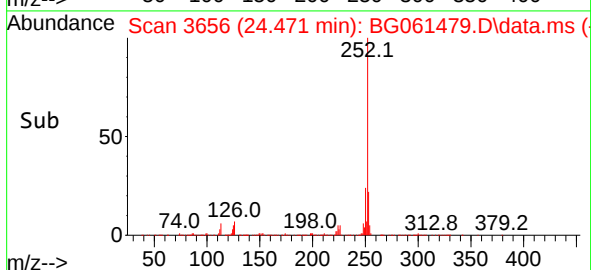
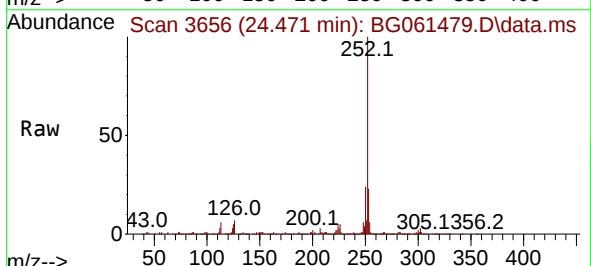
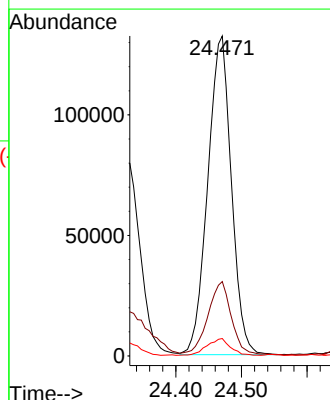
Tgt Ion:252 Resp: 330178

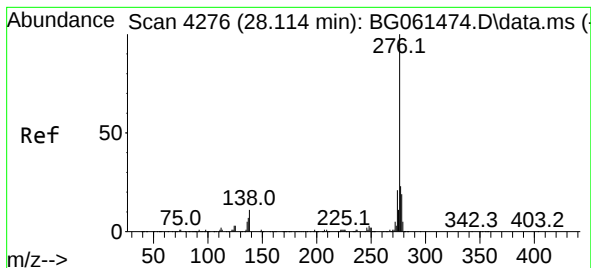
Ion Ratio Lower Upper

252 100

253 23.3 16.4 24.6

125 5.4 4.3 6.5





#94

Indeno(1,2,3-cd)pyrene

Concen: 11.007 ng/ul

RT: 28.125 min Scan# 41

Delta R.T. 0.033 min

Lab File: BG061479.D

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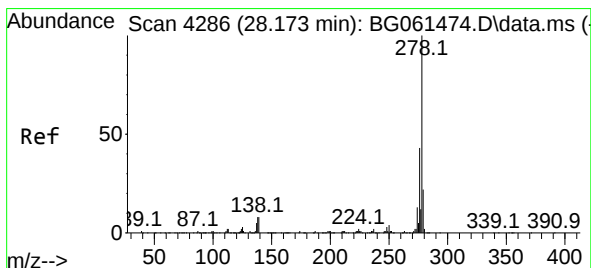
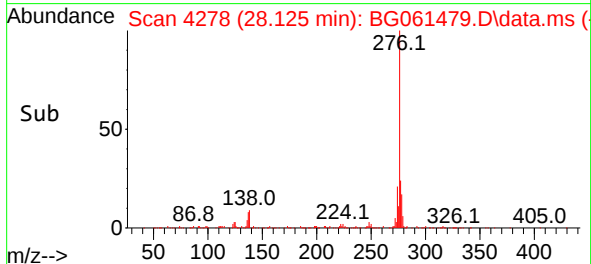
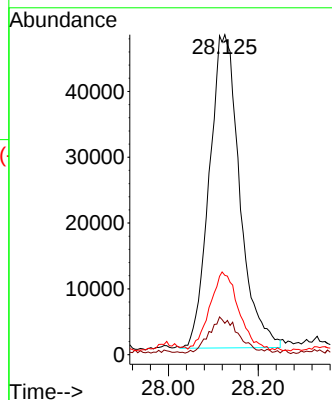
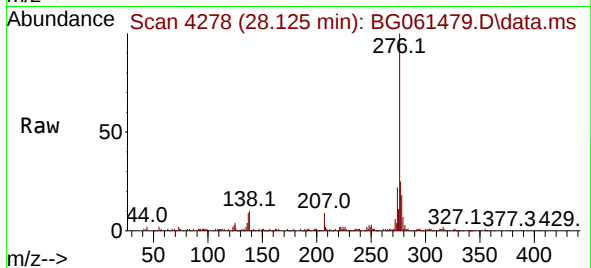
Tgt Ion:276 Resp: 22354

Ion	Ratio	Lower	Upper
276	100		
138	9.8	8.6	13.0
277	24.8	19.7	29.5

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#95

Dibenzo(a,h)anthracene

Concen: 3.248 ng/ul

RT: 28.143 min Scan# 4281

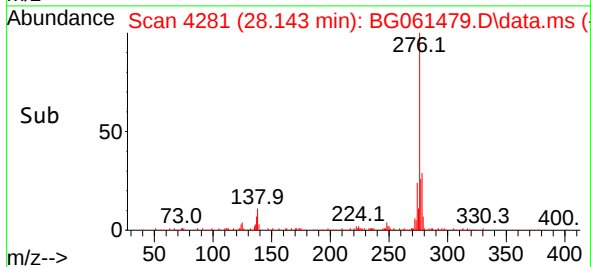
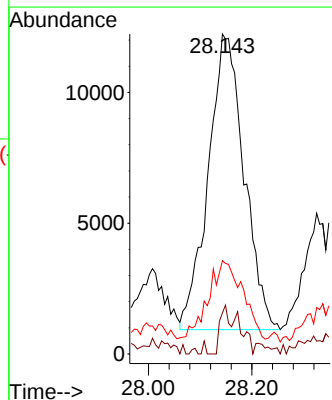
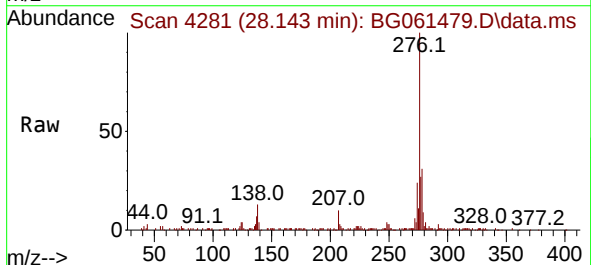
Delta R.T. 0.003 min

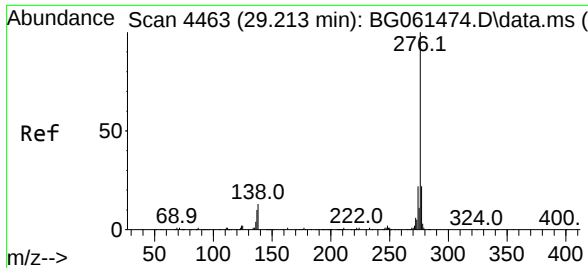
Lab File: BG061479.D

Acq: 5 Jun 2024 7:58

Tgt Ion:278 Resp: 54394

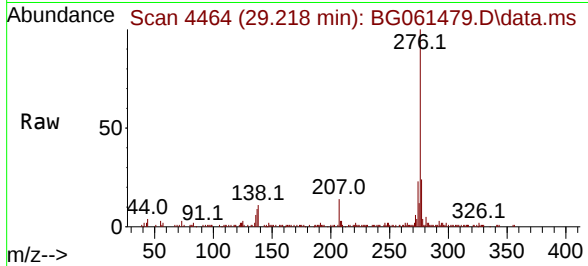
Ion	Ratio	Lower	Upper
278	100		
139	12.8	6.4	9.6#
279	29.1	19.9	29.9





#96
 Benzo(g,h,i)perylene
 Concen: 10.876 ng/ul m
 RT: 29.218 min Scan# 44
 Delta R.T. 0.045 min
 Lab File: BG061479.D
 Acq: 5 Jun 2024 7:58

Instrument :
 BNA_G
 ClientSampleId :
 BH5W6DL



Tgt Ion:276 Resp: 17572
 Ion Ratio Lower Upper
 276 100
 138 11.4 8.7 13.1
 277 23.7 18.2 27.2

Manual Integrations
 APPROVED

Reviewed By :Jagrut Upadhyay 06/05/2024
 Supervised By :mohammad ahmed 06/07/2024

