

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG062824\
 Data File : BG061778.D
 Acq On : 28 Jun 2024 19:02
 Operator : MA/JU
 Sample : P2934-08
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 A4CP4

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 06/29/2024
 Supervised By :mohammad ahmed 06/29/2024

Quant Time: Jun 29 04:18:00 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG062024.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Thu Jun 27 12:23:53 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.055	152	83396	20.000	ng/u1	0.00
20) Naphthalene-d8	10.869	136	379704	20.000	ng/u1	0.00
38) Acenaphthene-d10	14.682	164	240867	20.000	ng/u1	0.00
64) Phenanthrene-d10	17.426	188	519484	20.000	ng/u1	0.00
79) Chrysene-d12	21.692	240	403554	20.000	ng/u1	0.00
88) Perylene-d12	24.906	264	468506	20.000	ng/u1	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.460	96	9487m	4.109	ng/uL	0.00
4) Pyridine-d5	0.000	84	0d	0.000	ng/u1	
7) Phenol-d5	7.203	99	188486	20.819	ng/u1	0.00
9) Bis-(2-Chloroethyl)eth...	7.379	67	126399	22.396	ng/u1	0.00
11) 2-Chlorophenol-d4	7.579	132	139518	22.457	ng/u1	0.00
15) 4-Methylphenol-d8	8.754	113	108535	15.507	ng/u1	0.00
21) Nitrobenzene-d5	9.218	128	68700	26.647	ng/u1	0.00
24) 2-Nitrophenol-d4	9.947	143	79835	30.574	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	10.481	165	156722	25.347	ng/u1	0.00
31) 4-Chloroaniline-d4	10.998	131	50727	5.419	ng/u1	0.00
46) Dimethylphthalate-d6	14.089	166	453151	24.448	ng/u1	0.00
49) Acenaphthylene-d8	14.377	160	528749	26.029	ng/u1	0.00
54) 4-Nitrophenol-d4	14.864	143	69254	21.755	ng/u1	0.00
60) Fluorene-d10	15.675	176	413131	25.460	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	15.787	200	39687	17.866	ng/u1	0.00
73) Anthracene-d10	17.526	188	632683	26.681	ng/u1	0.00
81) Pyrene-d10	19.812	212	573954	25.462	ng/u1	0.00
92) Benzo(a)pyrene-d12	24.688	264	403955	18.053	ng/u1	0.00
Target Compounds						
					Qvalue	
16) Acetophenone	8.883	105	14025	1.217	ng/u1	87
52) Acenaphthene	14.753	153	24016	1.529	ng/u1#	79
61) Fluorene	15.734	166	27742	1.525	ng/u1#	85
72) Phenanthrene	17.473	178	607546	22.230	ng/u1	99
74) Anthracene	17.561	178	110213	3.944	ng/u1	97
77) Carbazole	17.826	167	56085	2.363	ng/u1	98
80) Fluoranthene	19.477	202	1281505	48.997	ng/u1	98
82) Pyrene	19.841	202	899680	32.350	ng/u1	97
85) Benzo(a)anthracene	21.674	228	527184	18.610	ng/u1	99
86) Bis(2-ethylhexyl)phtha...	21.586	149	122991	8.263	ng/u1#	97
87) Chrysene	21.739	228	606972	22.645	ng/u1	97
90) Benzo(b)fluoranthene	23.895	252	832974	29.577	ng/u1	98
91) Benzo(k)fluoranthene	23.954	252	283062	9.773	ng/u1#	99
93) Benzo(a)pyrene	24.759	252	303417	11.191	ng/u1#	98
94) Indeno(1,2,3-cd)pyrene	28.572	276	306293m	9.065	ng/u1	
95) Dibenzo(a,h)anthracene	28.619	278	103760m	3.693	ng/u1	
96) Benzo(g,h,i)perylene	29.712	276	40027m	1.470	ng/u1	

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

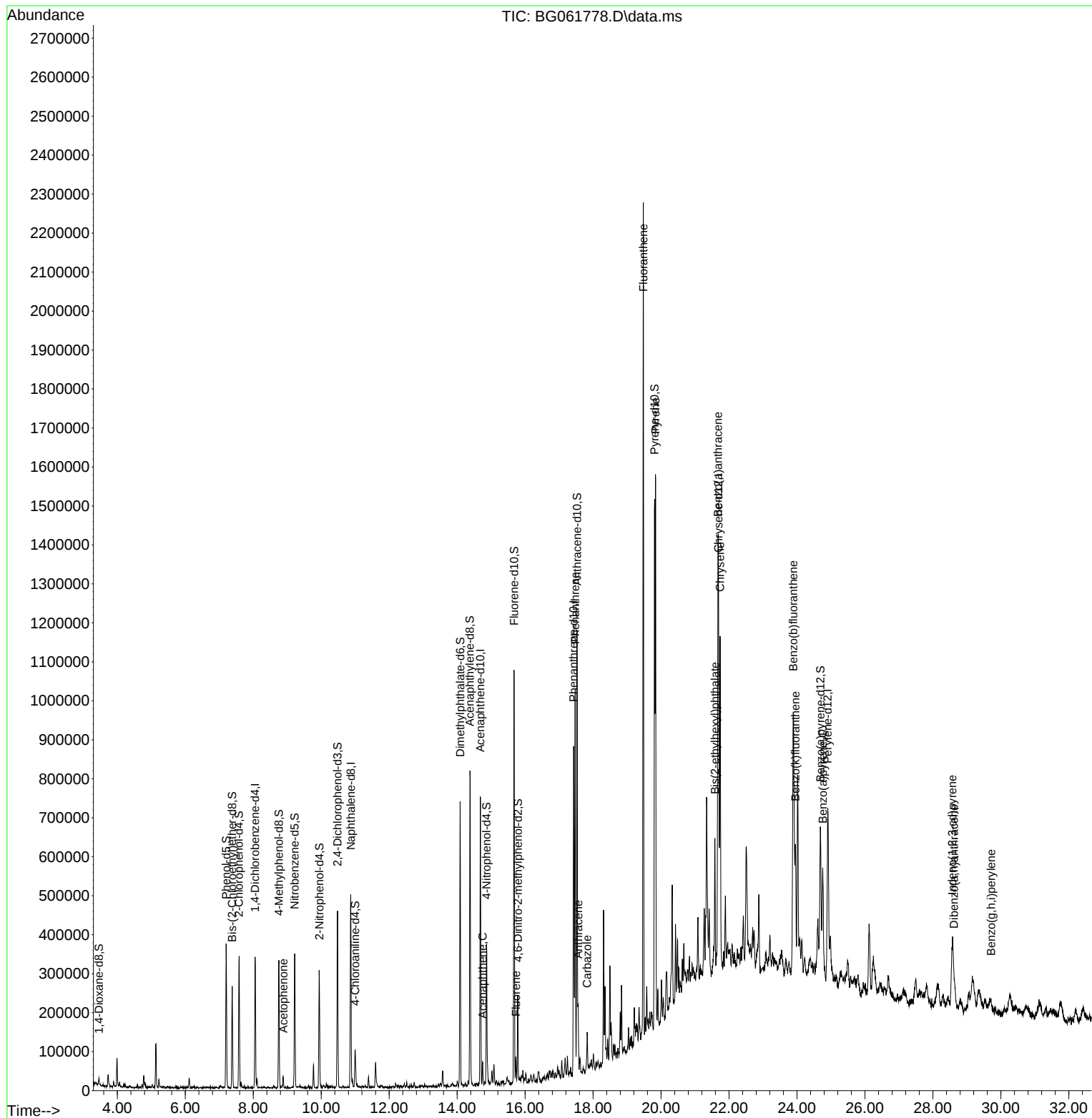
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG062824\
Data File : BG061778.D
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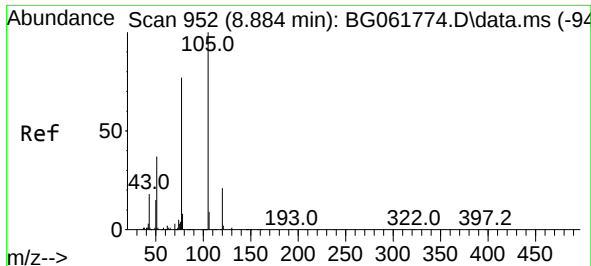
Instrument :
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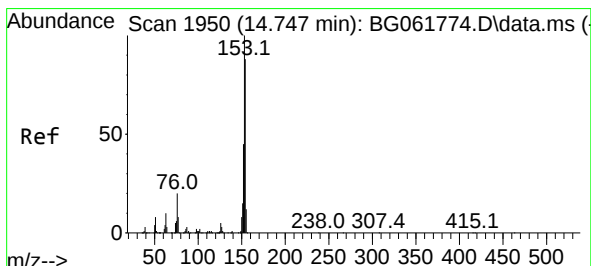
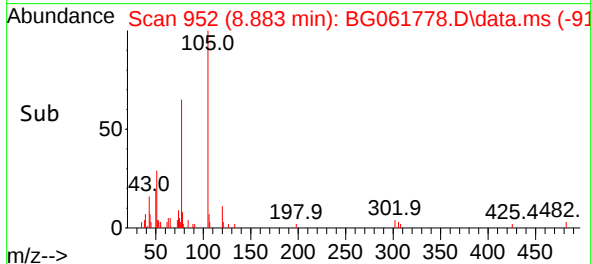
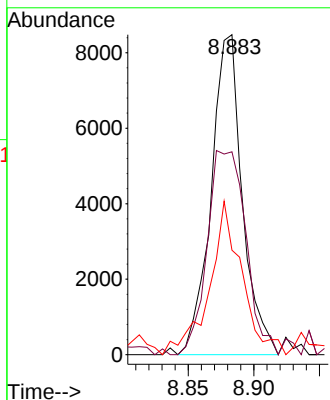
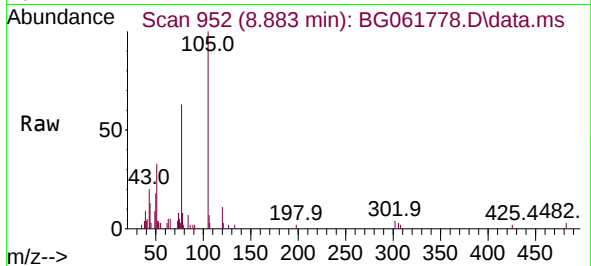
#16
Acetophenone
Concen: 1.217 ng/ul
RT: 8.883 min Scan# 91
Delta R.T. 0.002 min
Lab File: BG061778.D
Acq: 28 Jun 2024 19:02

Instrument :
BNA_G
ClientSampleId :
A4CP4

Tgt Ion:105 Resp: 1402
Ion Ratio Lower Upper
105 100
77 63.4 60.4 90.6
51 32.6 31.1 46.7

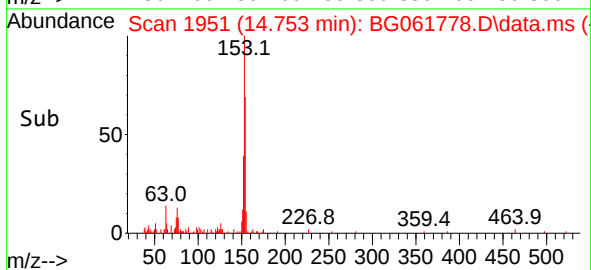
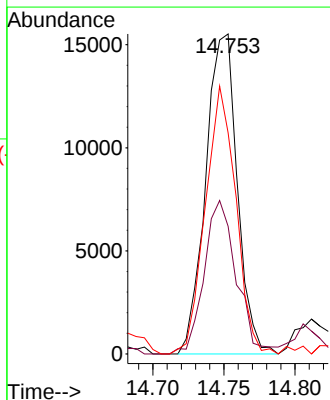
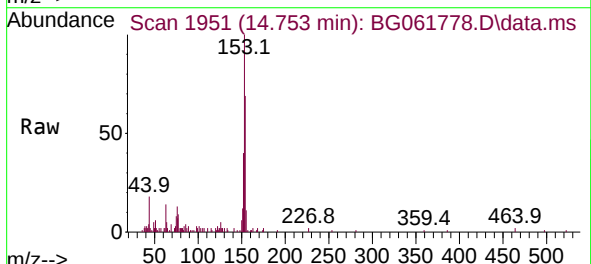
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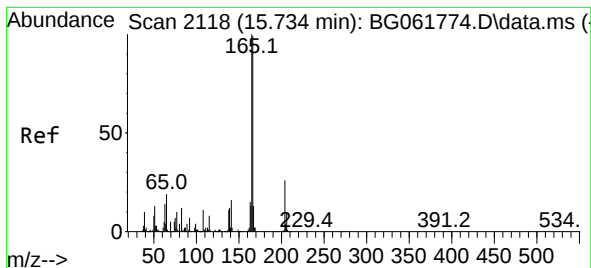
Reviewed By :Yogesh Patel 06/29/2024
Supervised By :mohammad ahmed 06/29/2024



#52
Acenaphthene
Concen: 1.529 ng/ul
RT: 14.753 min Scan# 1951
Delta R.T. 0.002 min
Lab File: BG061778.D
Acq: 28 Jun 2024 19:02

Tgt Ion:153 Resp: 24016
Ion Ratio Lower Upper
153 100
152 39.9 40.0 60.0#
154 69.1 74.1 111.1#





#61

Fluorene

Concen: 1.525 ng/ul

RT: 15.734 min Scan# 2118

Delta R.T. 0.002 min

Lab File: BG061778.D

Acq: 28 Jun 2024 19:02

Instrument :

BNA_G

ClientSampleId :

A4CP4

Tgt Ion:166 Resp: 2774

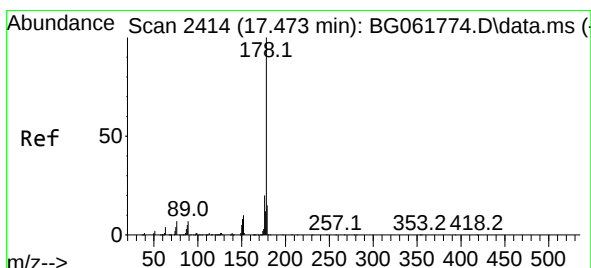
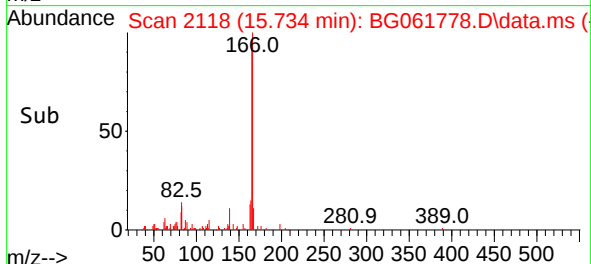
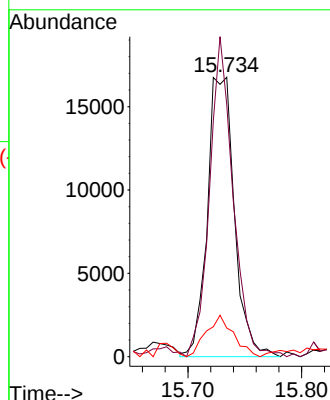
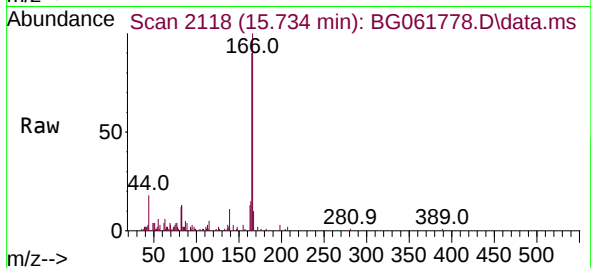
Ion	Ratio	Lower	Upper
166	100		
165	90.2	84.9	127.3
167	10.3	10.9	16.3

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#72

Phenanthrene

Concen: 22.230 ng/ul

RT: 17.473 min Scan# 2414

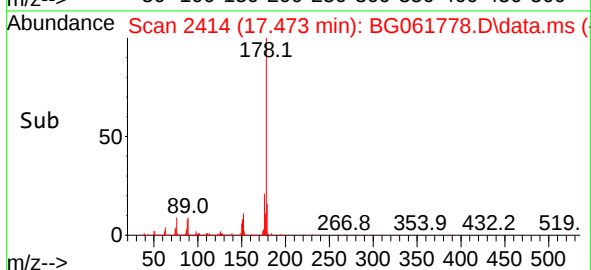
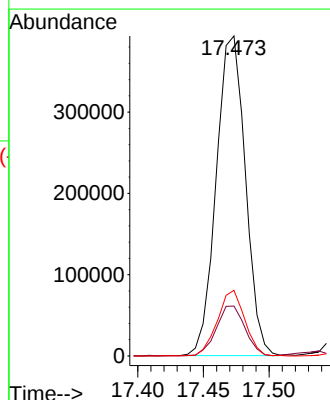
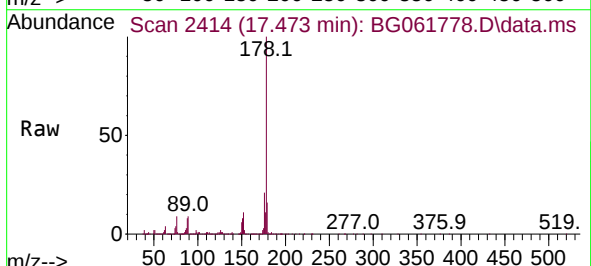
Delta R.T. 0.002 min

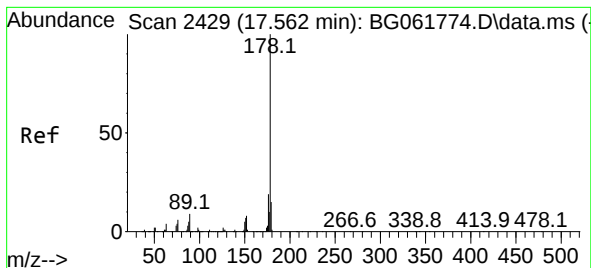
Lab File: BG061778.D

Acq: 28 Jun 2024 19:02

Tgt Ion:178 Resp: 607546

Ion	Ratio	Lower	Upper
178	100		
179	15.6	12.0	18.0
176	20.5	16.2	24.2





#74

Anthracene

Concen: 3.944 ng/ul

RT: 17.561 min Scan# 2429

Delta R.T. -0.004 min

Lab File: BG061778.D

Acq: 28 Jun 2024 19:02

Instrument :

BNA_G

ClientSampleId :

A4CP4

Tgt Ion:178 Resp: 11021

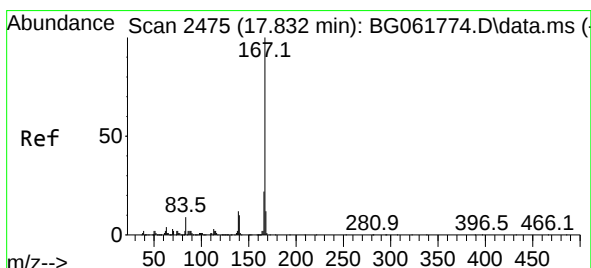
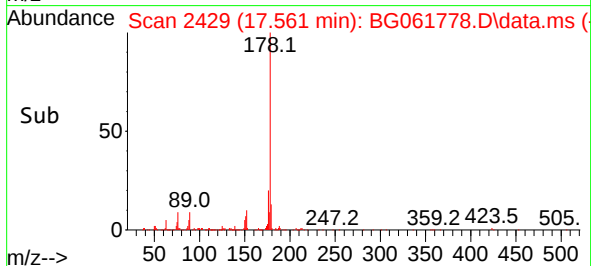
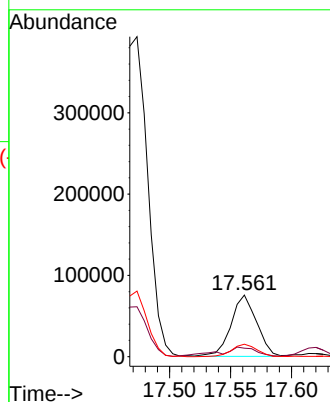
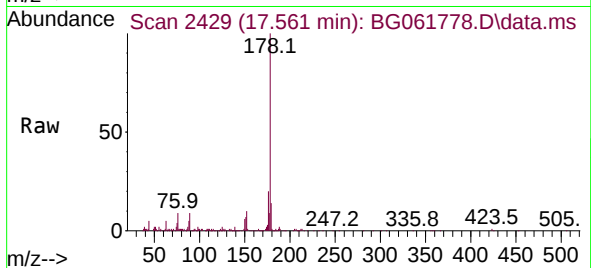
Ion	Ratio	Lower	Upper
178	100		
179	13.8	11.4	17.2
176	20.3	14.7	22.1

Manual Integrations

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#77

Carbazole

Concen: 2.363 ng/ul

RT: 17.826 min Scan# 2474

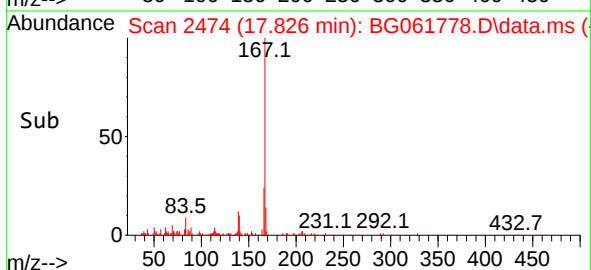
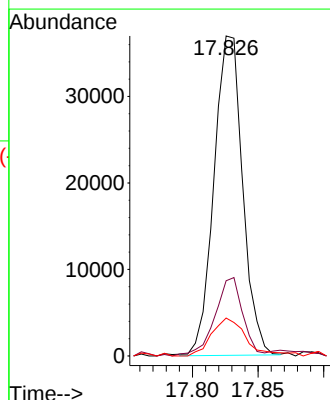
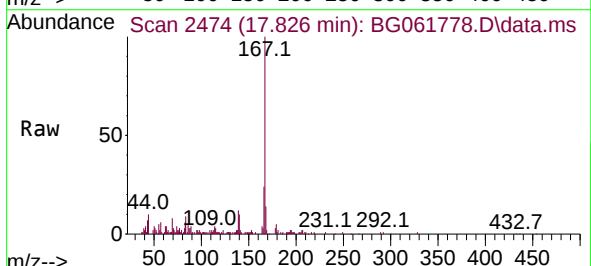
Delta R.T. -0.004 min

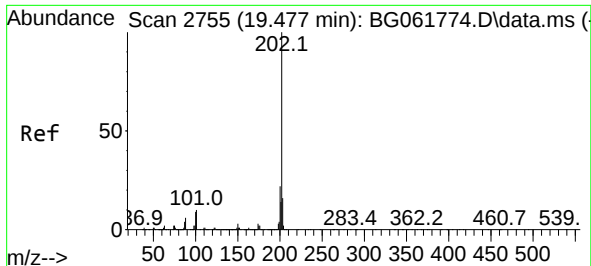
Lab File: BG061778.D

Acq: 28 Jun 2024 19:02

Tgt Ion:167 Resp: 56085

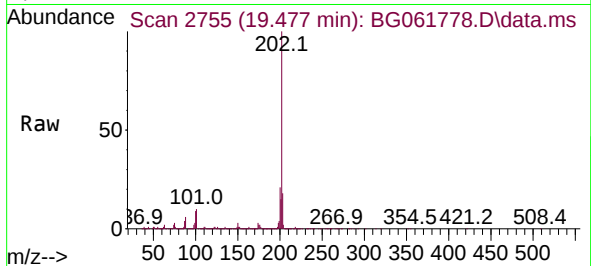
Ion	Ratio	Lower	Upper
167	100		
166	23.5	17.5	26.3
139	11.9	9.4	14.2





#80
Fluoranthene
Concen: 48.997 ng/u1
RT: 19.477 min Scan# 21
Delta R.T. 0.002 min
Lab File: BG061778.D
Acq: 28 Jun 2024 19:02

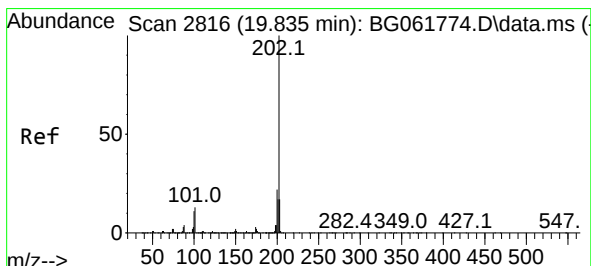
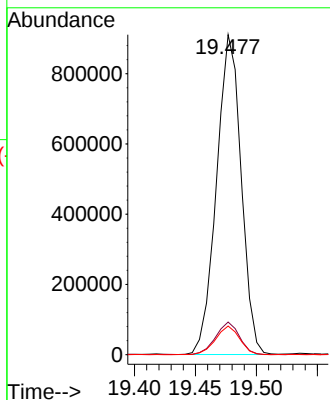
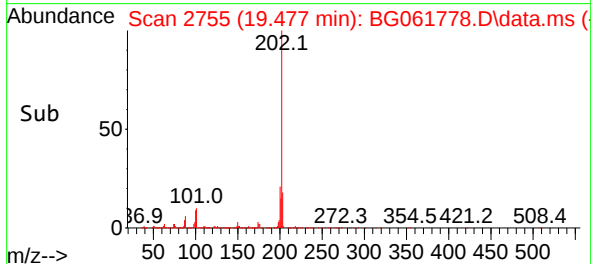
Instrument :
BNA_G
ClientSampleId :
A4CP4



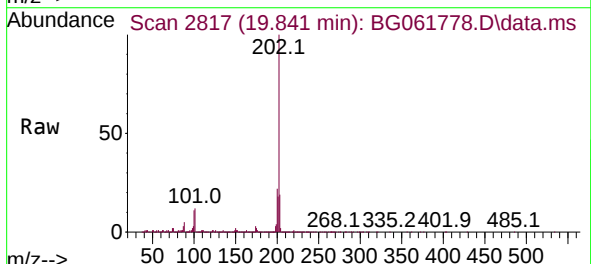
Tgt Ion:202 Resp: 128150
Ion Ratio Lower Upper
202 100
101 10.2 7.8 11.6
100 8.9 7.7 11.5

Manual Integrations
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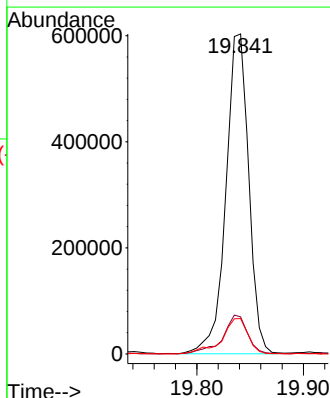
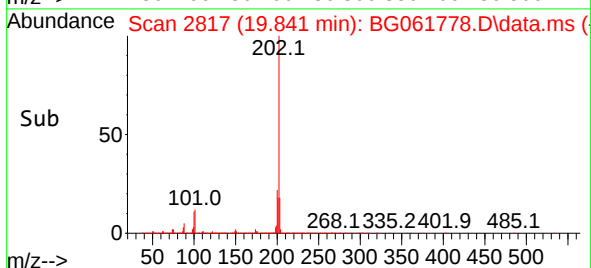
Reviewed By :Yogesh Patel 06/29/2024
Supervised By :mohammad ahmed 06/29/2024

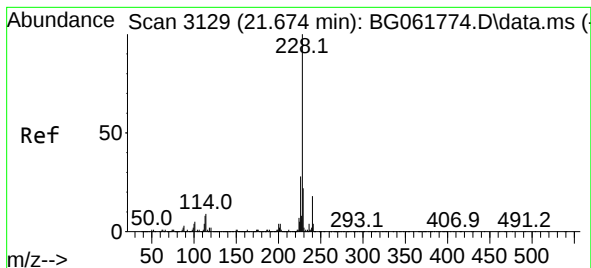


#82
Pyrene
Concen: 32.350 ng/u1
RT: 19.841 min Scan# 2817
Delta R.T. 0.002 min
Lab File: BG061778.D
Acq: 28 Jun 2024 19:02



Tgt Ion:202 Resp: 899680
Ion Ratio Lower Upper
202 100
101 11.6 10.1 15.1
100 11.1 9.9 14.9





#85

Benzo(a)anthracene

Concen: 18.610 ng/ul

RT: 21.674 min Scan# 3129

Delta R.T. 0.002 min

Lab File: BG061778.D

Acq: 28 Jun 2024 19:02

Instrument :

BNA_G

ClientSampleId :

A4CP4

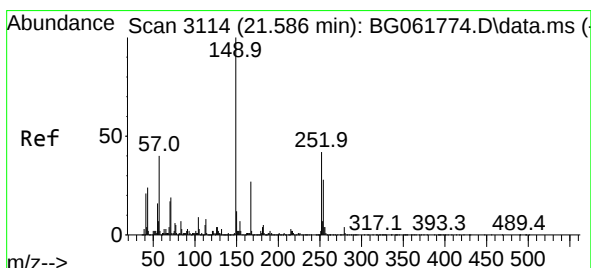
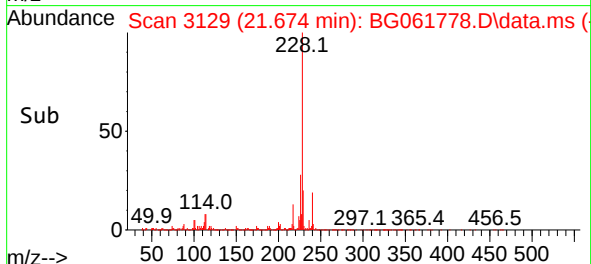
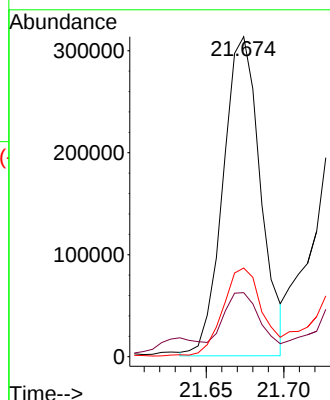
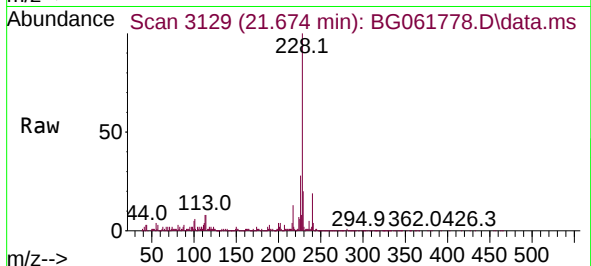
Tgt Ion:	228	Resp:	527184
Ion Ratio	Lower	Upper	
228	100		
229	20.0	15.8	23.8
226	27.7	21.4	32.2

Manual Integrations

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#86

Bis(2-ethylhexyl)phthalate

Concen: 8.263 ng/ul

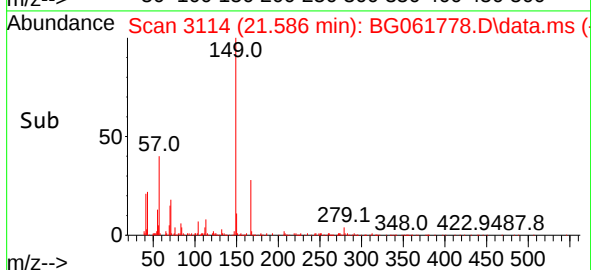
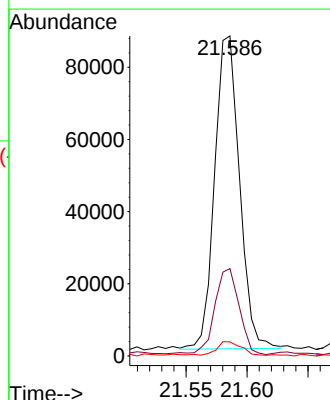
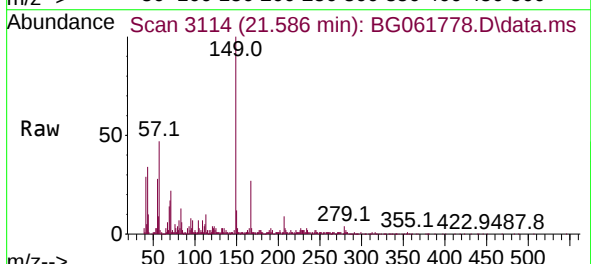
RT: 21.586 min Scan# 3114

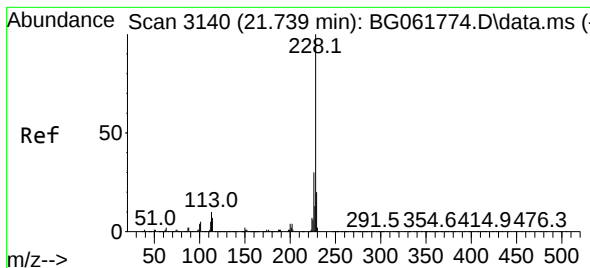
Delta R.T. -0.004 min

Lab File: BG061778.D

Acq: 28 Jun 2024 19:02

Tgt Ion:	149	Resp:	122991
Ion Ratio	Lower	Upper	
149	100		
167	27.3	20.5	30.7
279	4.4	2.9	4.3





#87

Chrysene

Concen: 22.645 ng/u1

RT: 21.739 min Scan# 3140

Delta R.T. 0.002 min

Lab File: BG061778.D

Acq: 28 Jun 2024 19:02

Instrument :

BNA_G

ClientSampleId :

A4CP4

Tgt Ion:228 Resp: 606972

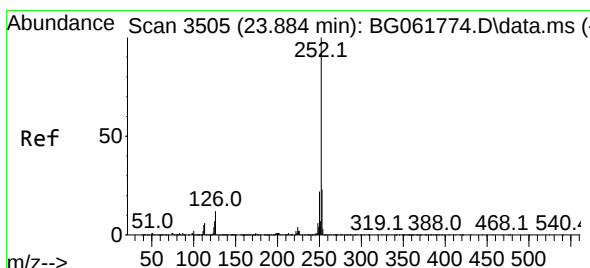
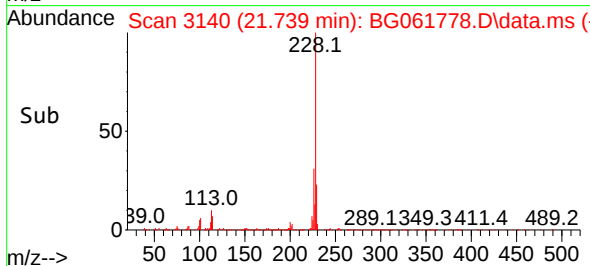
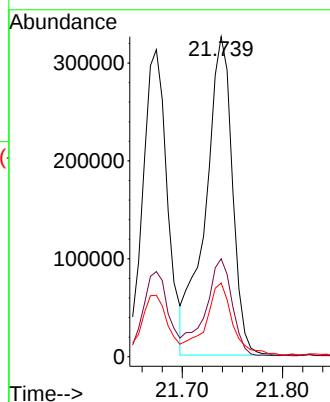
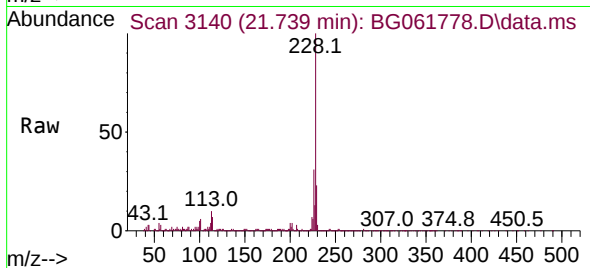
Ion	Ratio	Lower	Upper
228	100		
226	30.6	24.2	36.2
229	23.0	16.5	24.7

Manual Integrations

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Supervised By :mohammad ahmed 06/29/2024



#90

Benzo(b)fluoranthene

Concen: 29.577 ng/u1

RT: 23.895 min Scan# 3507

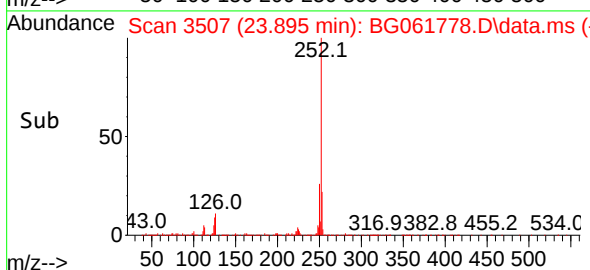
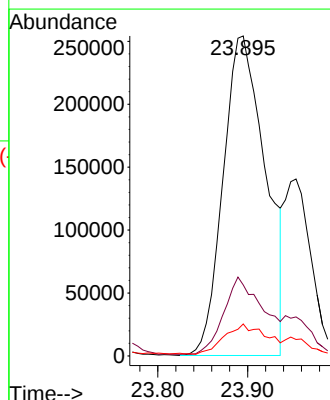
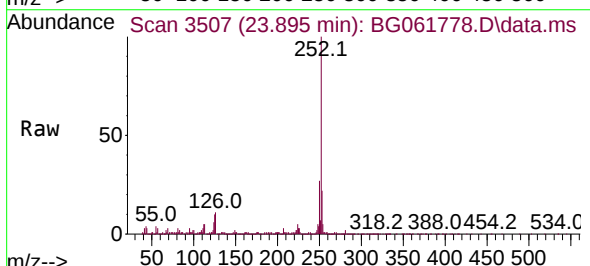
Delta R.T. 0.007 min

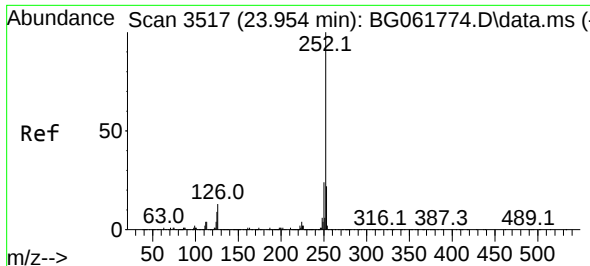
Lab File: BG061778.D

Acq: 28 Jun 2024 19:02

Tgt Ion:252 Resp: 832974

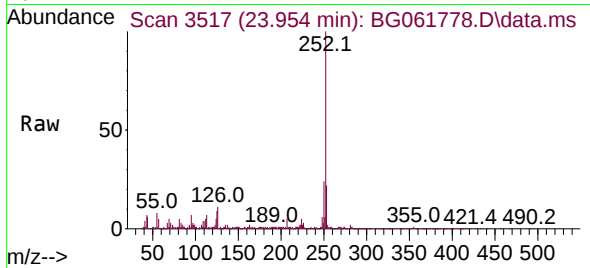
Ion	Ratio	Lower	Upper
252	100		
253	22.2	18.6	27.8
125	10.0	7.0	10.6





#91
Benzo(k)fluoranthene
Concen: 9.773 ng/uI
RT: 23.954 min Scan# 3517
Delta R.T. -0.004 min
Lab File: BG061778.D
Acq: 28 Jun 2024 19:02

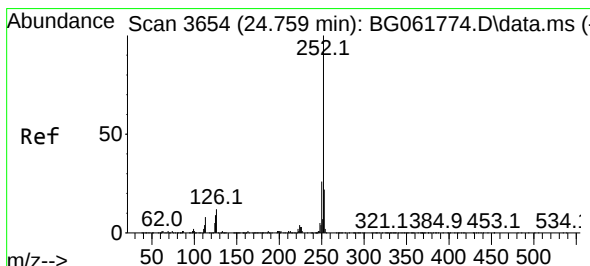
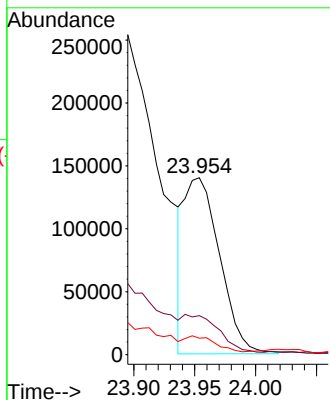
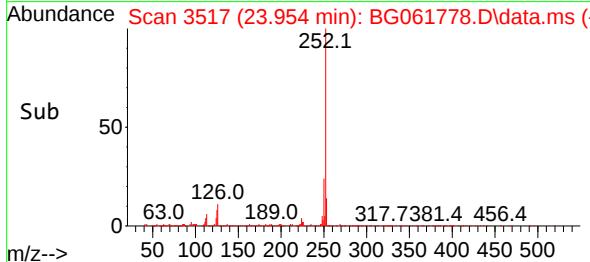
Instrument :
BNA_G
ClientSampleId :
A4CP4



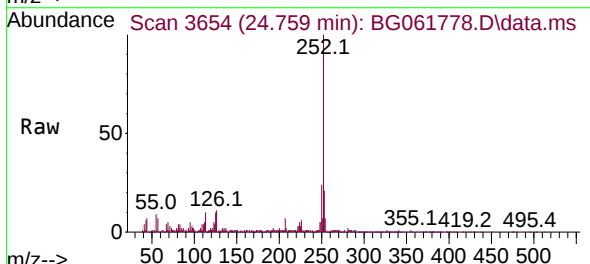
Tgt Ion:252 Resp: 283062
Ion Ratio Lower Upper
252 100
253 22.1 17.8 26.6
125 9.3 6.2 9.2

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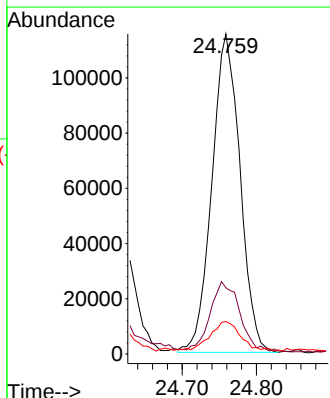
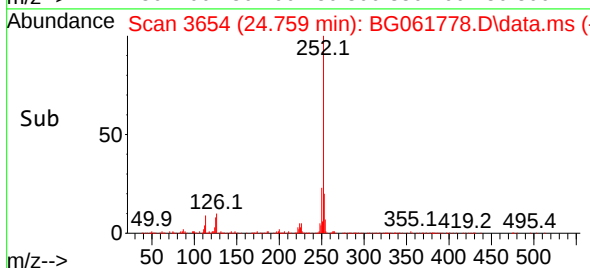
Reviewed By :Yogesh Patel 06/29/2024
Supervised By :mohammad ahmed 06/29/2024

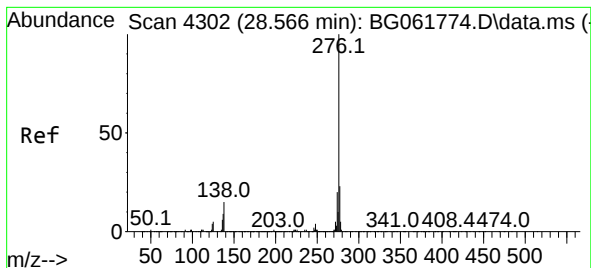


#93
Benzo(a)pyrene
Concen: 11.191 ng/uI
RT: 24.759 min Scan# 3654
Delta R.T. -0.004 min
Lab File: BG061778.D
Acq: 28 Jun 2024 19:02



Tgt Ion:252 Resp: 303417
Ion Ratio Lower Upper
252 100
253 20.7 16.8 25.2
125 10.1 6.5 9.7





#94

Indeno(1,2,3-cd)pyrene

Concen: 9.065 ng/ul m

RT: 28.572 min Scan# 4311

Delta R.T. 0.007 min

Lab File: BG061778.D

Acq: 28 Jun 2024 19:02

Instrument :

BNA_G

ClientSampleId :

A4CP4

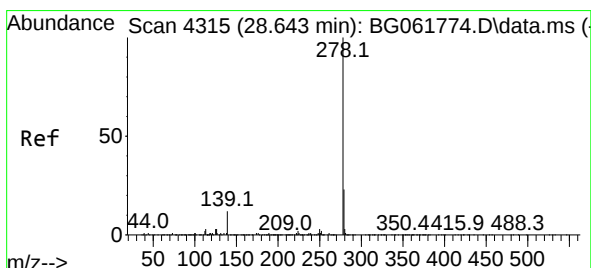
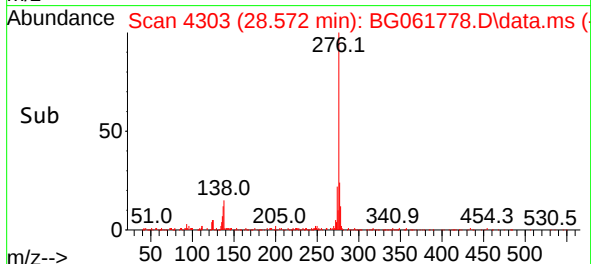
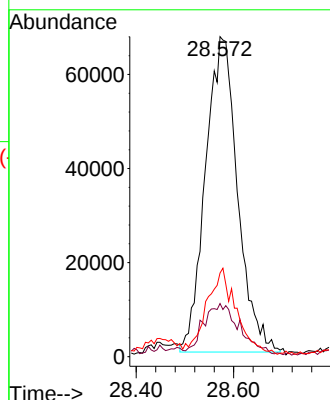
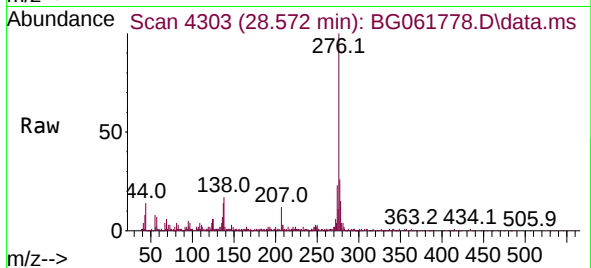
Tgt Ion:	276	Resp:	30629
Ion Ratio	Lower	Upper	
276	100		
138	16.6	12.2	18.4
277	26.2	19.7	29.5

Manual Integrations

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Reviewed By :Yogesh Patel 06/29/2024

Supervised By :mohammad ahmed 06/29/2024



#95

Dibenzo(a,h)anthracene

Concen: 3.693 ng/ul m

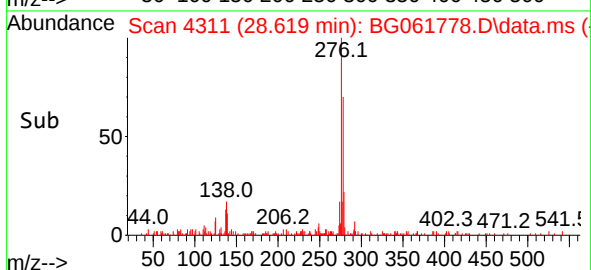
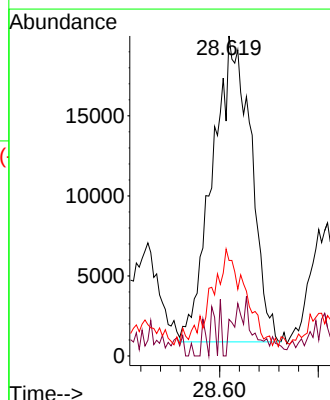
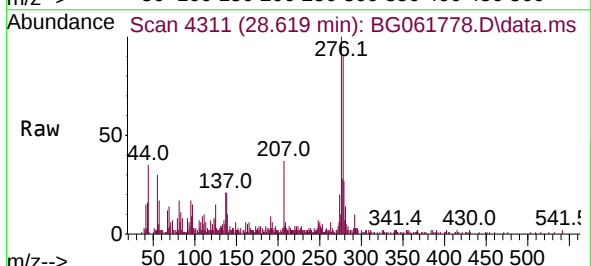
RT: 28.619 min Scan# 4311

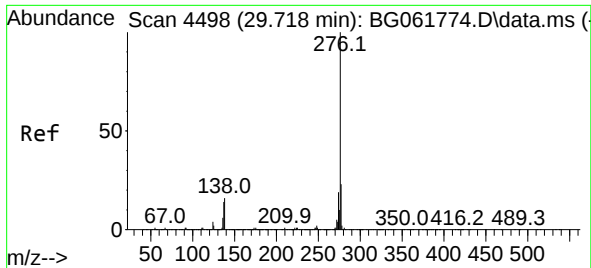
Delta R.T. -0.016 min

Lab File: BG061778.D

Acq: 28 Jun 2024 19:02

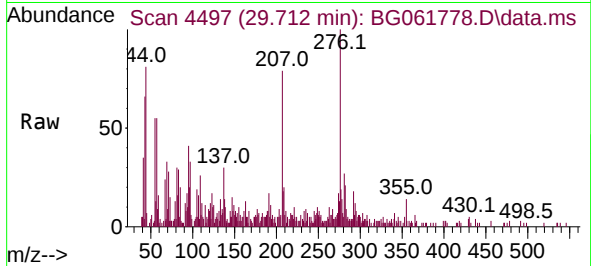
Tgt Ion:	278	Resp:	103760
Ion Ratio	Lower	Upper	
278	100		
139	11.4	9.1	13.7
279	29.8	18.6	28.0





#96
 Benzo(g,h,i)perylene
 Concen: 1.470 ng/ul m
 RT: 29.712 min Scan# 44
 Delta R.T. 0.002 min
 Lab File: BG061778.D
 Acq: 28 Jun 2024 19:02

Instrument :
 BNA_G
 ClientSampleId :
 A4CP4



Tgt Ion:	276	Resp:	4002
Ion Ratio	Lower	Upper	
276	100		
138	14.3	12.2	18.4
277	18.6	18.6	27.8

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 06/29/2024
 Supervised By :mohammad ahmed 06/29/2024

