

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG060724\
 Data File : BG061559.D
 Acq On : 8 Jun 2024 9:21
 Operator : MA/JU
 Sample : P2640-16DL 5X
 Misc :
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 A4C40DL

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 06/10/2024
 Supervised By :mohammad ahmed 06/10/2024

Quant Time: Jun 09 23:26:22 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG052124.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Thu Jun 06 12:15:45 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.870	152	22668	20.000	ng/ul	0.00
20) Naphthalene-d8	10.666	136	89181	20.000	ng/ul	0.00
38) Acenaphthene-d10	14.509	164	69207	20.000	ng/ul	0.00
64) Phenanthrene-d10	17.264	188	160344	20.000	ng/ul	0.00
79) Chrysene-d12	21.518	240	178503	20.000	ng/ul	0.00
88) Perylene-d12	24.620	264	208914	20.000	ng/ul	0.01
System Monitoring Compounds						
3) 1,4-Dioxane-d8	0.000	96	0d	0.000	ng/uL	
4) Pyridine-d5	0.000	84	0d	0.000	ng/ul	
7) Phenol-d5	7.065	99	9708	5.215	ng/ul	0.00
9) Bis-(2-Chloroethyl)eth...	7.200	67	6084	5.200	ng/ul	-0.01
11) 2-Chlorophenol-d4	7.411	132	8684	6.303	ng/ul	0.00
15) 4-Methylphenol-d8	8.598	113	7734	4.872	ng/ul	0.00
21) Nitrobenzene-d5	9.027	128	4149	6.043	ng/ul	-0.01
24) 2-Nitrophenol-d4	9.750	143	4487	5.584	ng/ul	0.00
28) 2,4-Dichlorophenol-d3	10.314	165	10049	6.414	ng/ul	0.00
31) 4-Chloroaniline-d4	10.807	131	3371	1.645	ng/ul	0.00
46) Dimethylphthalate-d6	13.915	166	30999	5.775	ng/ul	0.00
49) Acenaphthylene-d8	14.203	160	32753	5.869	ng/ul	0.00
54) 4-Nitrophenol-d4	14.779	143	2001m	3.015	ng/ul	0.02
60) Fluorene-d10	15.508	176	26640	5.749	ng/ul	0.00
65) 4,6-Dinitro-2-methylph...	0.000	200	0d	0.000	ng/ul	
73) Anthracene-d10	17.358	188	44313	6.269	ng/ul	0.00
81) Pyrene-d10	19.656	212	54835	5.983	ng/ul	0.00
92) Benzo(a)pyrene-d12	24.403	264	51497	5.127	ng/ul	0.00
Target Compounds					Qvalue	
50) Acenaphthylene	14.233	152	16015	2.588	ng/ul#	93
56) Dibenzofuran	14.908	168	16331	2.814	ng/ul	94
61) Fluorene	15.560	166	5359	1.067	ng/ul#	90
72) Phenanthrene	17.305	178	189050	24.292	ng/ul	99
74) Anthracene	17.394	178	34031	4.229	ng/ul	98
77) Carbazole	17.670	167	11296	1.726	ng/ul#	93
80) Fluoranthene	19.321	202	200672	18.251	ng/ul	99
82) Pyrene	19.685	202	132710	11.628	ng/ul	98
85) Benzo(a)anthracene	21.501	228	90498	7.348	ng/ul	99
87) Chrysene	21.565	228	75714	6.676	ng/ul	96
90) Benzo(b)fluoranthene	23.645	252	75613	6.079	ng/ul	98
91) Benzo(k)fluoranthene	23.698	252	40999m	3.247	ng/ul	
93) Benzo(a)pyrene	24.474	252	38641	3.272	ng/ul#	89
94) Indeno(1,2,3-cd)pyrene	28.146	276	25834m	1.809	ng/ul	

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

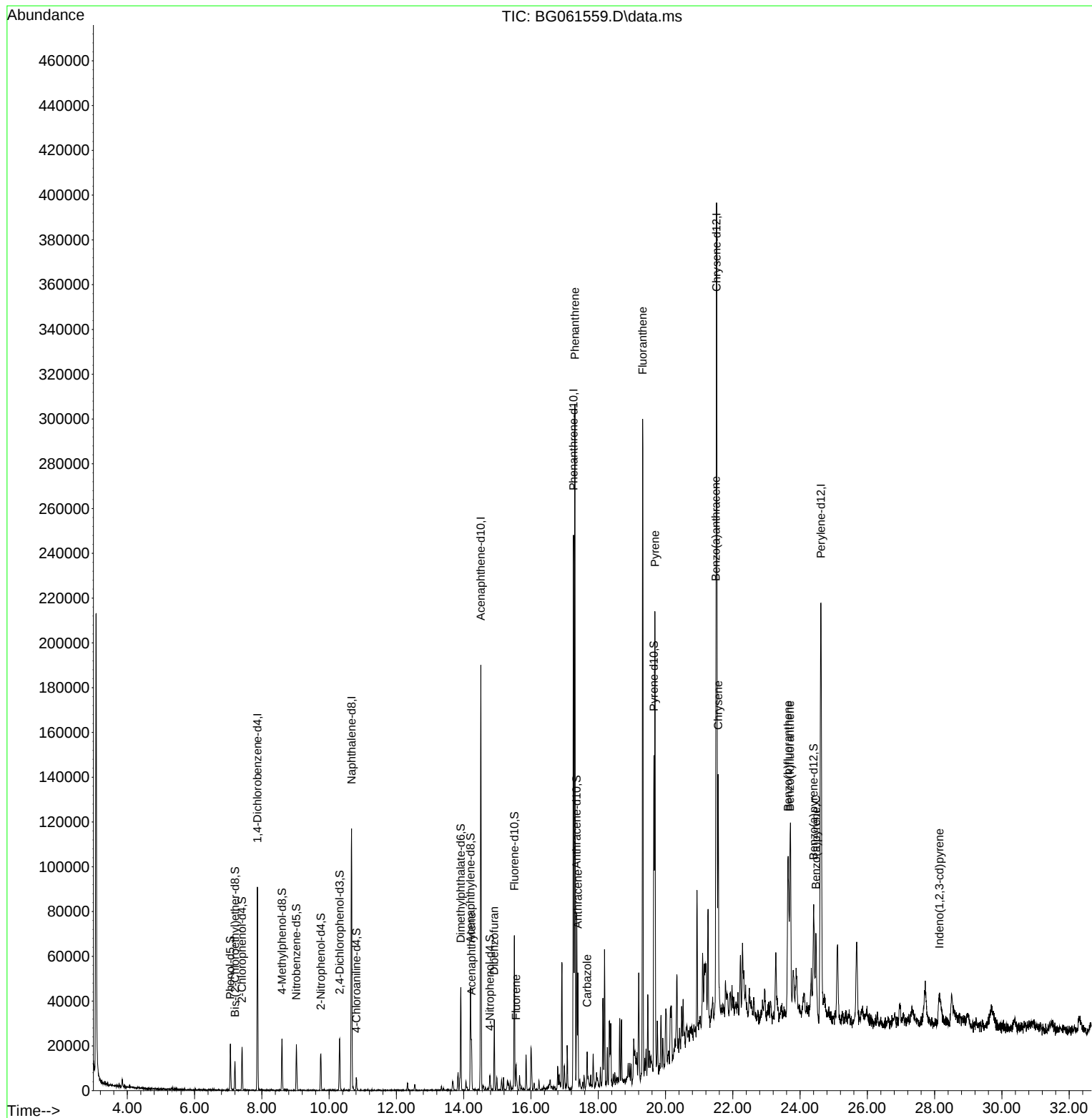
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG060724\
Data File : BG061559.D
Acq On : 8 Jun 2024 9:21
Operator : MA/JU
Sample : P2640-16DL 5X
Misc :
ALS Vial : 30 Sample Multiplier: 1

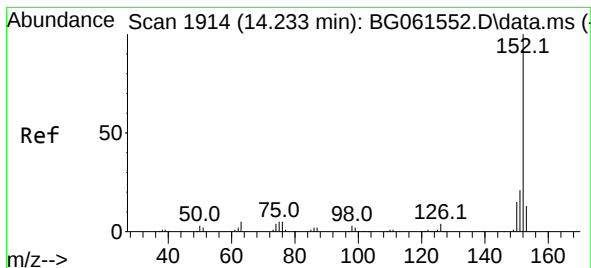
Instrument :
BNA_G
ClientSampleId :
A4C40DL

Quant Time: Jun 09 23:26:22 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG052124.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Thu Jun 06 12:15:45 2024
Response via : Initial Calibration

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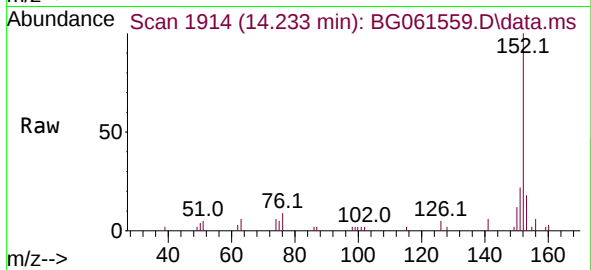
Reviewed By :Yogesh Patel 06/10/2024
Supervised By :mohammad ahmed 06/10/2024





#50
Acenaphthylene
Concen: 2.588 ng/ul
RT: 14.233 min Scan# 1914
Delta R.T. -0.001 min
Lab File: BG061559.D
Acq: 8 Jun 2024 9:21

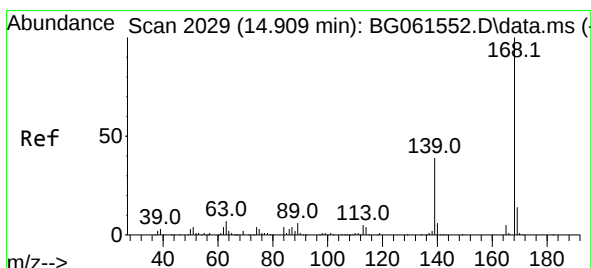
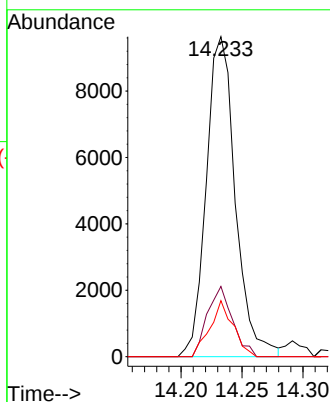
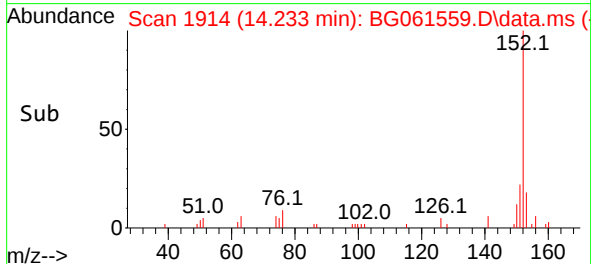
Instrument :
BNA_G
ClientSampleId :
A4C40DL



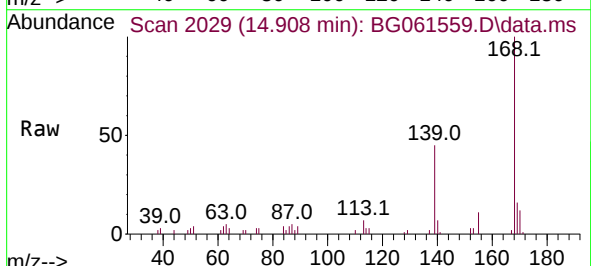
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Ion Ratio Lower Upper
152 100
151 22.0 16.2 24.2
153 17.5 10.2 15.4

Manual Integrations
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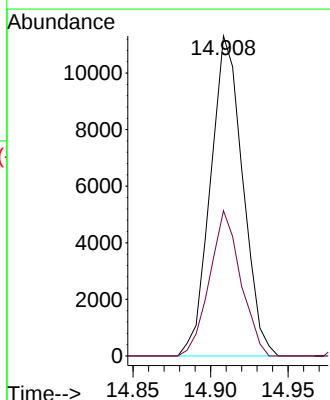
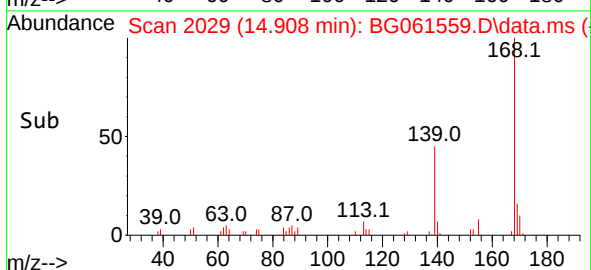
Reviewed By :Yogesh Patel 06/10/2024
Supervised By :mohammad ahmed 06/10/2024

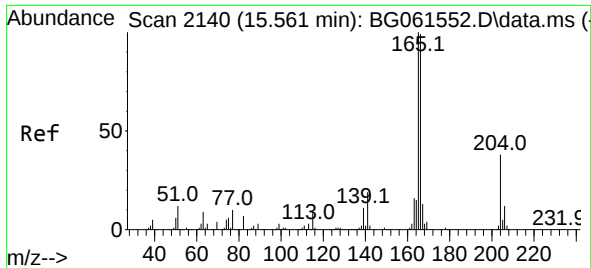


#56
Dibenzofuran
Concen: 2.814 ng/ul
RT: 14.908 min Scan# 2029
Delta R.T. -0.001 min
Lab File: BG061559.D
Acq: 8 Jun 2024 9:21



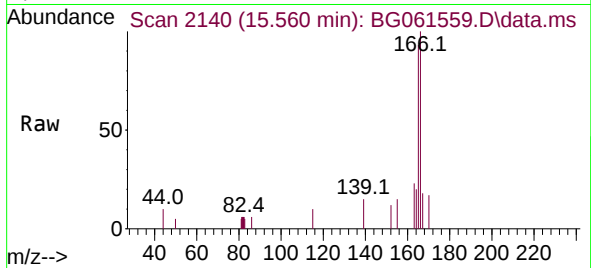
Tgt Ion:168 Resp: 16331
Ion Ratio Lower Upper
168 100
139 45.4 33.4 50.2





#61
Fluorene
Concen: 1.067 ng/ul
RT: 15.560 min Scan# 2140
Delta R.T. -0.001 min
Lab File: BG061559.D
Acq: 8 Jun 2024 9:21

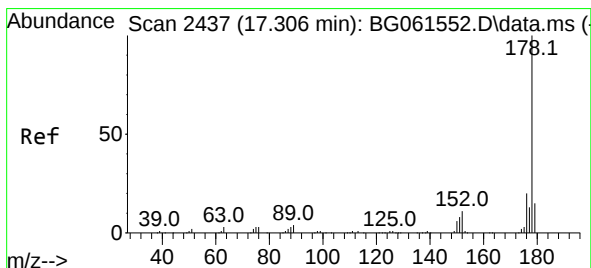
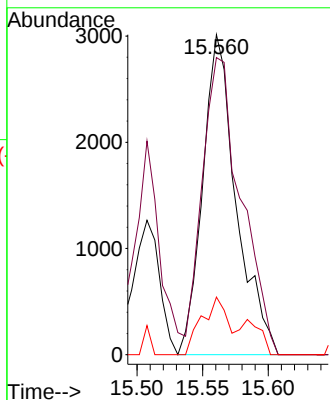
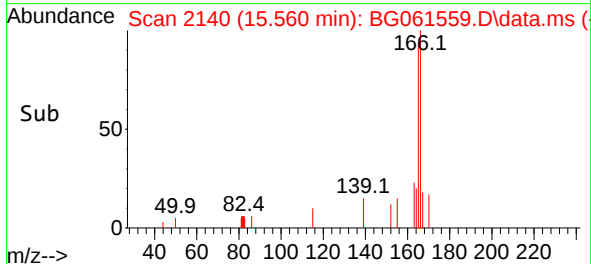
Instrument :
BNA_G
ClientSampleId :
A4C40DL



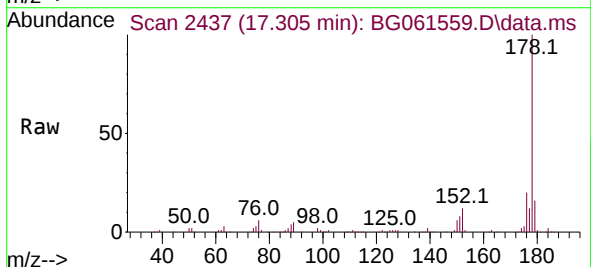
Tgt Ion:166 Resp: 5359
Ion Ratio Lower Upper
166 100
165 92.9 81.8 122.8
167 18.0 10.6 16.0

Manual Integrations
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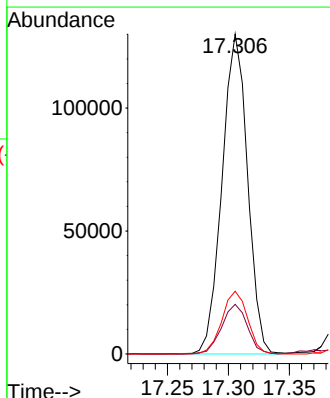
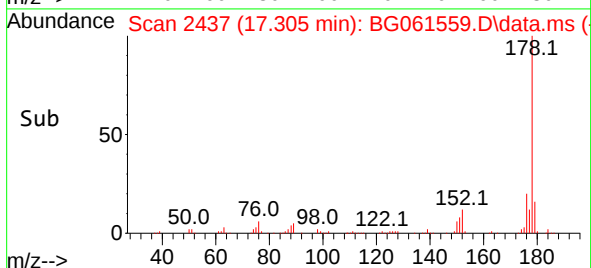
Reviewed By :Yogesh Patel 06/10/2024
Supervised By :mohammad ahmed 06/10/2024

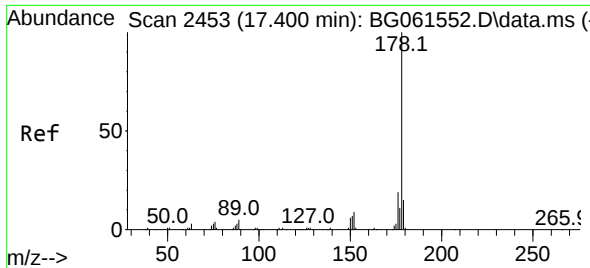


#72
Phenanthrene
Concen: 24.292 ng/ul
RT: 17.305 min Scan# 2437
Delta R.T. -0.001 min
Lab File: BG061559.D
Acq: 8 Jun 2024 9:21



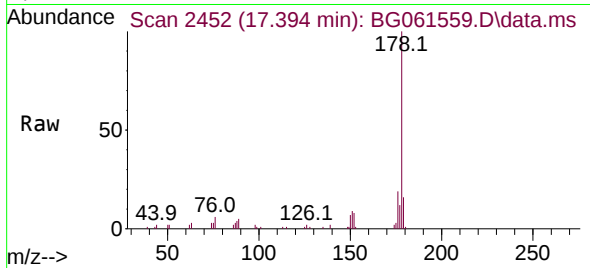
Tgt Ion:178 Resp: 189050
Ion Ratio Lower Upper
178 100
179 15.5 12.7 19.1
176 19.6 15.5 23.3





#74
 Anthracene
 Concen: 4.229 ng/ul
 RT: 17.394 min Scan# 2453
 Delta R.T. -0.001 min
 Lab File: BG061559.D
 Acq: 8 Jun 2024 9:21

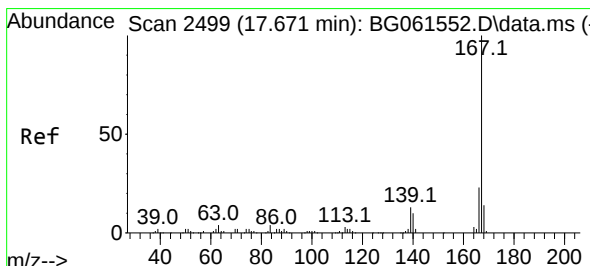
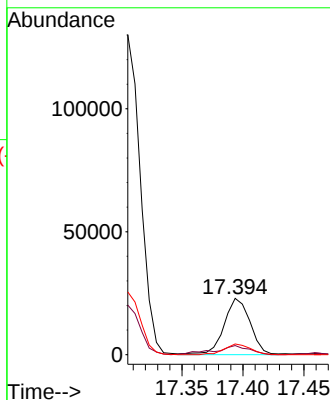
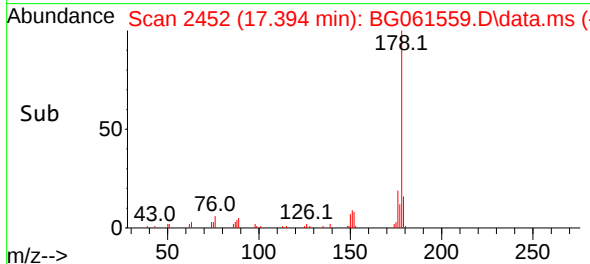
Instrument :
 BNA_G
 ClientSampleId :
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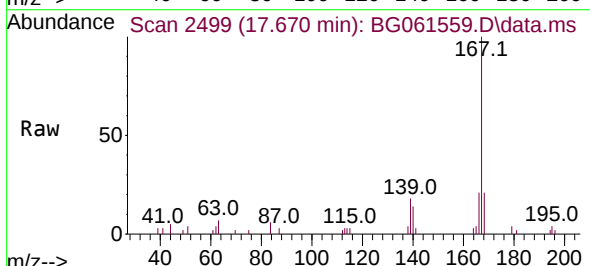
Tgt Ion:178 Resp: 3403
 Ion Ratio Lower Upper
 178 100
 179 16.1 11.8 17.6
 176 19.0 14.9 22.3

Manual Integrations
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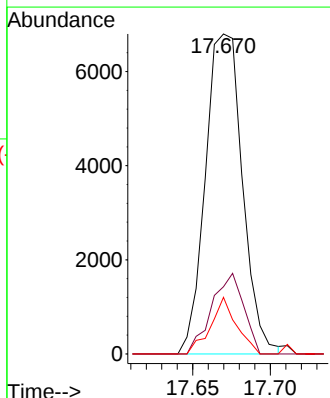
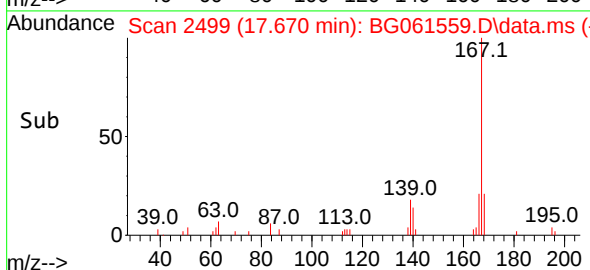
Reviewed By :Yogesh Patel 06/10/2024
 Supervised By :mohammad ahmed 06/10/2024

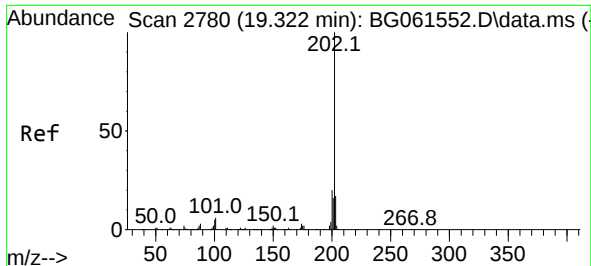


#77
 Carbazole
 Concen: 1.726 ng/ul
 RT: 17.670 min Scan# 2499
 Delta R.T. -0.001 min
 Lab File: BG061559.D
 Acq: 8 Jun 2024 9:21



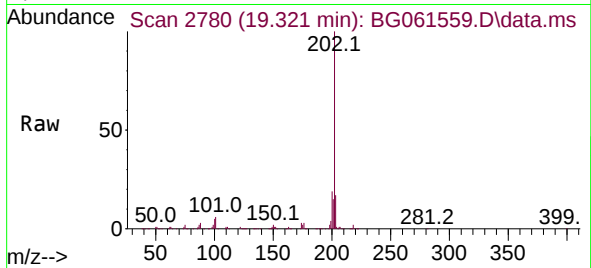
Tgt Ion:167 Resp: 11296
 Ion Ratio Lower Upper
 167 100
 166 21.0 18.6 28.0
 139 17.7 10.6 15.8#





#80
Fluoranthene
Concen: 18.251 ng/ul
RT: 19.321 min Scan# 21
Delta R.T. -0.001 min
Lab File: BG061559.D
Acq: 8 Jun 2024 9:21

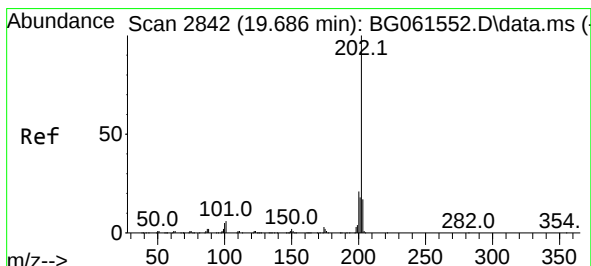
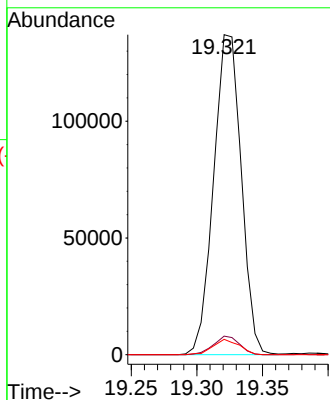
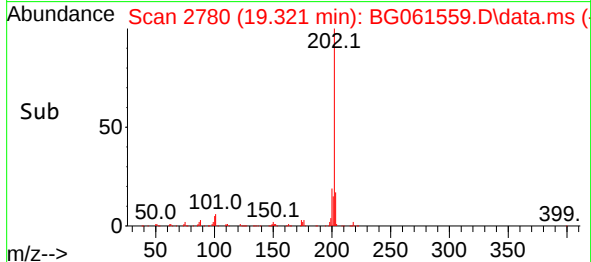
Instrument :
BNA_G
ClientSampleId :
A4C40DL



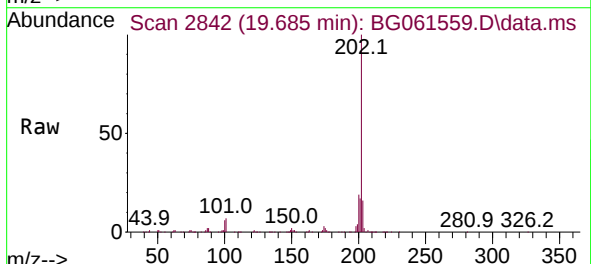
Tgt Ion:202 Resp: 200672
Ion Ratio Lower Upper
202 100
101 5.8 4.8 7.2
100 4.8 4.1 6.1

Manual Integrations
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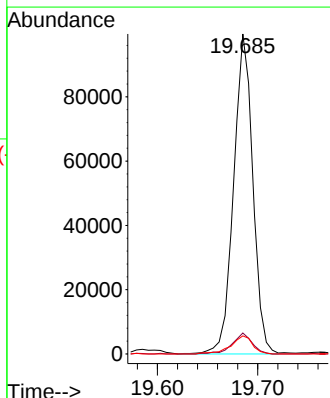
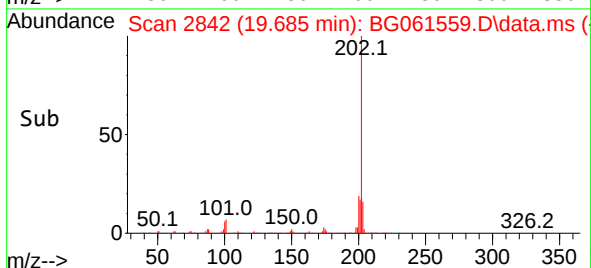
Reviewed By :Yogesh Patel 06/10/2024
Supervised By :mohammad ahmed 06/10/2024

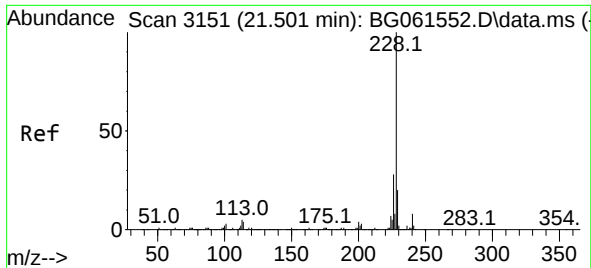


#82
Pyrene
Concen: 11.628 ng/ul
RT: 19.685 min Scan# 2842
Delta R.T. -0.001 min
Lab File: BG061559.D
Acq: 8 Jun 2024 9:21



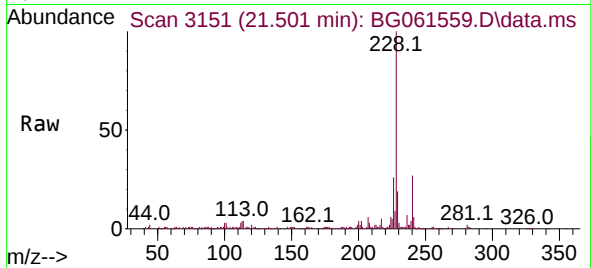
Tgt Ion:202 Resp: 132710
Ion Ratio Lower Upper
202 100
101 6.6 5.7 8.5
100 5.7 5.1 7.7





#85
Benzo(a)anthracene
Concen: 7.348 ng/ul
RT: 21.501 min Scan# 3151
Delta R.T. -0.001 min
Lab File: BG061559.D
Acq: 8 Jun 2024 9:21

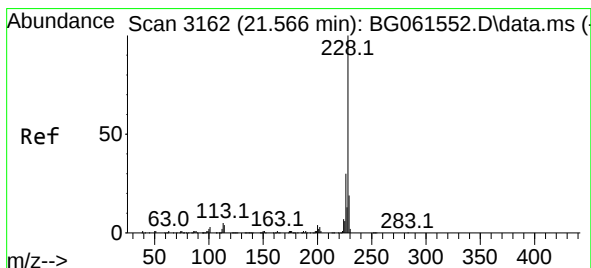
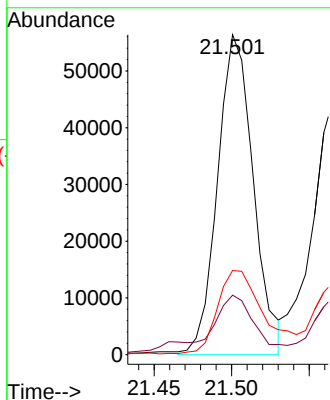
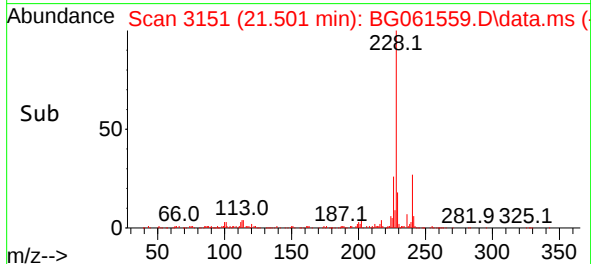
Instrument :
BNA_G
ClientSampleId :
A4C40DL



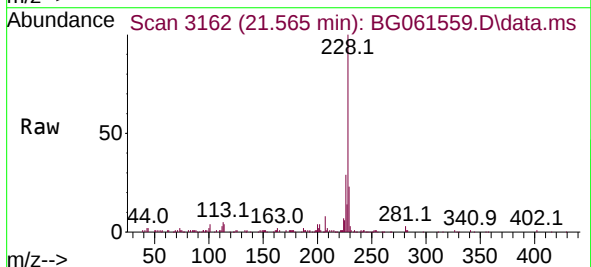
Tgt Ion:228 Resp: 90498
Ion Ratio Lower Upper
228 100
229 18.6 15.2 22.8
226 26.3 21.4 32.2

Manual Integrations
APPROVED

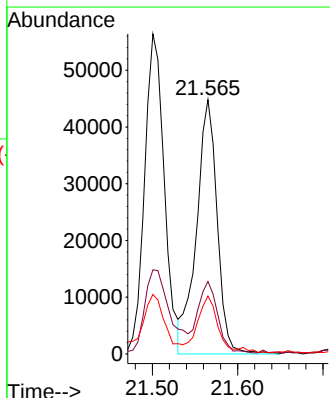
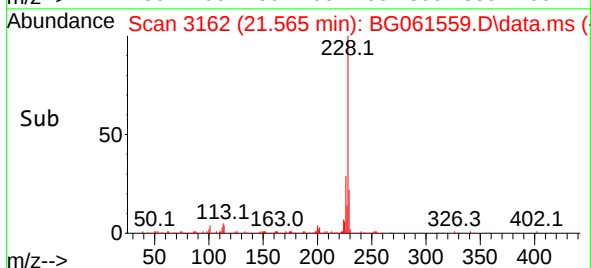
Reviewed By :Yogesh Patel 06/10/2024
Supervised By :mohammad ahmed 06/10/2024

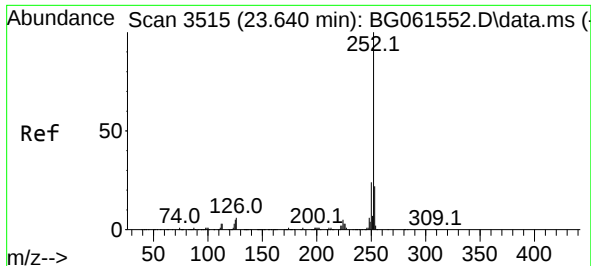


#87
Chrysene
Concen: 6.676 ng/ul
RT: 21.565 min Scan# 3162
Delta R.T. -0.001 min
Lab File: BG061559.D
Acq: 8 Jun 2024 9:21



Tgt Ion:228 Resp: 75714
Ion Ratio Lower Upper
228 100
226 28.5 23.4 35.0
229 22.8 15.4 23.2





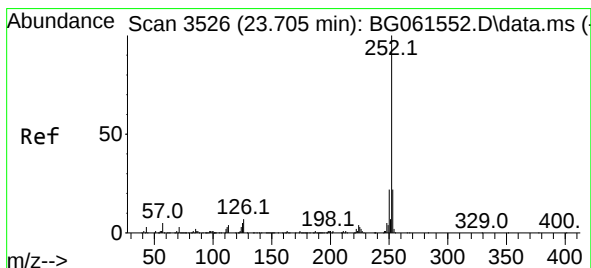
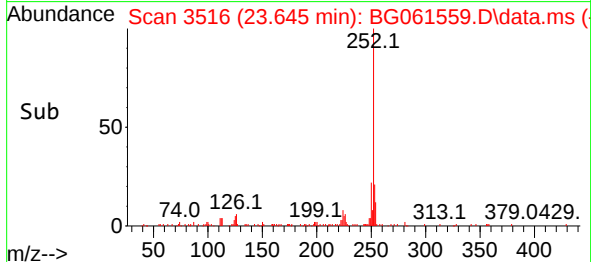
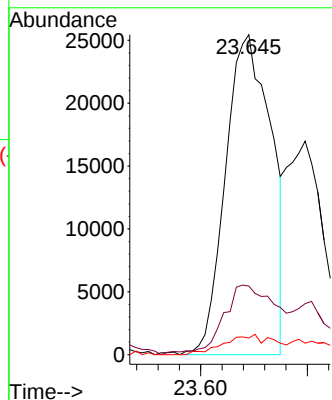
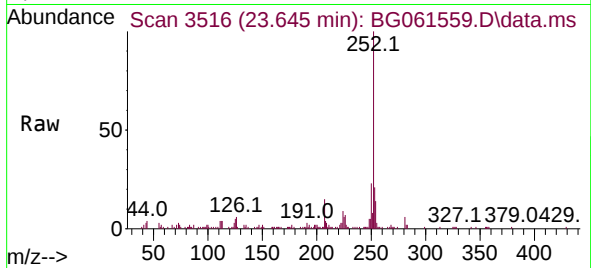
#90
Benzo(b)fluoranthene
Concen: 6.079 ng/ul
RT: 23.645 min Scan# 3515
Delta R.T. 0.011 min
Lab File: BG061559.D
Acq: 8 Jun 2024 9:21

Instrument :
BNA_G
ClientSampleId :
A4C40DL

Tgt Ion:252 Resp: 7561
Ion Ratio Lower Upper
252 100
253 21.5 17.8 26.8
125 5.2 4.6 6.8

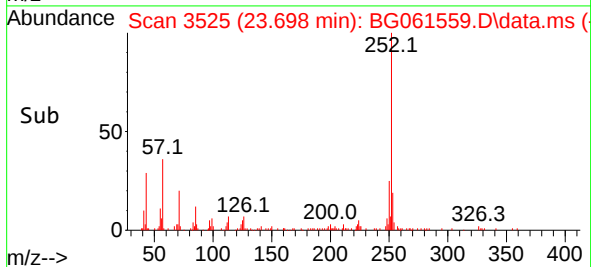
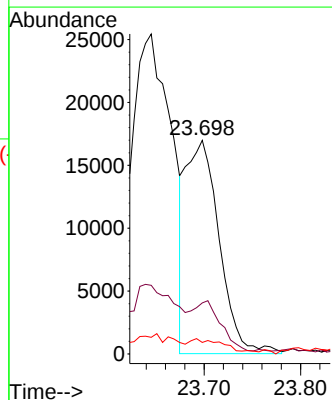
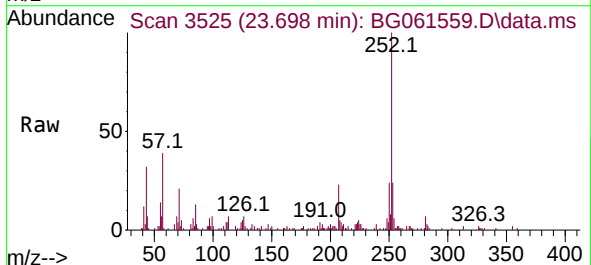
Manual Integrations
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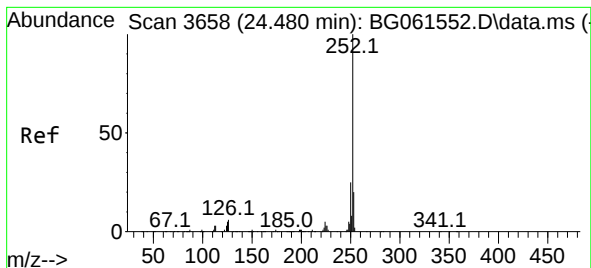
Reviewed By :Yogesh Patel 06/10/2024
Supervised By :mohammad ahmed 06/10/2024



#91
Benzo(k)fluoranthene
Concen: 3.247 ng/ul m
RT: 23.698 min Scan# 3525
Delta R.T. -0.001 min
Lab File: BG061559.D
Acq: 8 Jun 2024 9:21

Tgt Ion:252 Resp: 40999
Ion Ratio Lower Upper
252 100
253 23.9 16.0 24.0
125 5.4 4.3 6.5





#93

Benzo(a)pyrene

Concen: 3.272 ng/ul

RT: 24.474 min Scan# 30

Delta R.T. 0.005 min

Lab File: BG061559.D

Acq: 8 Jun 2024 9:21

Instrument :

BNA_G

ClientSampleId :

A4C40DL

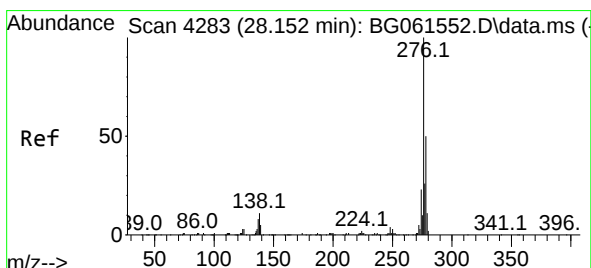
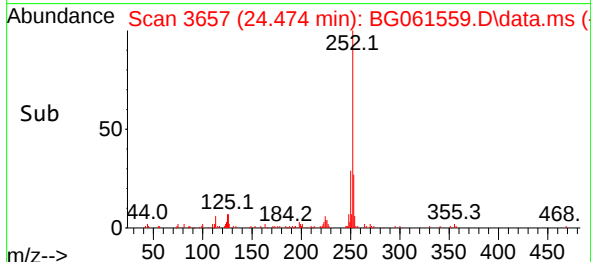
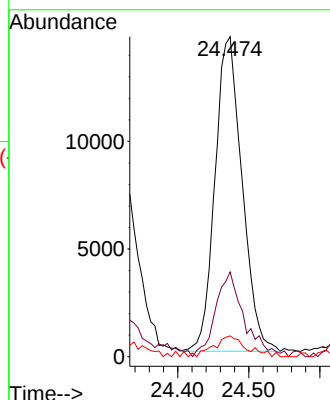
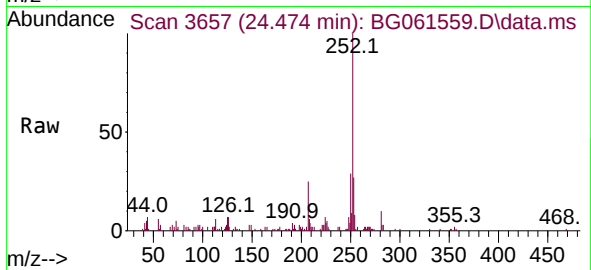
Tgt Ion:	252	Resp:	3864
Ion Ratio	Lower	Upper	
252	100		
253	26.5	16.4	24.6
125	6.5	4.3	6.5

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 06/10/2024

Supervised By :mohammad ahmed 06/10/2024



#94

Indeno(1,2,3-cd)pyrene

Concen: 1.809 ng/ul m

RT: 28.146 min Scan# 4282

Delta R.T. 0.011 min

Lab File: BG061559.D

Acq: 8 Jun 2024 9:21

Tgt Ion:	276	Resp:	25834
Ion Ratio	Lower	Upper	
276	100		
138	11.1	8.6	13.0
277	26.0	19.7	29.5

