

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG060724\
 Data File : BG061533.D
 Acq On : 7 Jun 2024 14:49
 Operator : MA/JU
 Sample : P2591-11ME
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 BHBQ2ME

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 06/08/2024
 Supervised By :mohammad ahmed 06/10/2024

Quant Time: Jun 07 15:36:28 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	7.872	152	23754	20.000	ng/u1	0.00
20) Naphthalene-d8	10.669	136	98024	20.000	ng/u1	0.00
38) Acenaphthene-d10	14.511	164	74497	20.000	ng/u1	0.00
64) Phenanthrene-d10	17.267	188	168722	20.000	ng/u1	# 0.00
79) Chrysene-d12	21.533	240	190968	20.000	ng/u1	0.01
88) Perylene-d12	24.641	264	222858	20.000	ng/u1	0.03
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.325	96	1632	3.845	ng/uL	-0.03
4) Pyridine-d5	3.736	84	7602	5.034	ng/u1	-0.03
7) Phenol-d5	7.061	99	49672	25.464	ng/u1	0.00
9) Bis-(2-Chloroethyl)eth...	7.202	67	29695	24.219	ng/u1	0.00
11) 2-Chlorophenol-d4	7.408	132	40238	27.872	ng/u1	0.00
15) 4-Methylphenol-d8	8.595	113	43231	25.991	ng/u1	0.00
21) Nitrobenzene-d5	9.036	128	20819	27.585	ng/u1	0.00
24) 2-Nitrophenol-d4	9.752	143	25118	28.437	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	10.305	165	49274	28.615	ng/u1	0.00
31) 4-Chloroaniline-d4	10.804	131	54051	23.993	ng/u1	0.00
46) Dimethylphthalate-d6	13.918	166	169898	29.405	ng/u1	0.00
49) Acenaphthylene-d8	14.206	160	179549	29.891	ng/u1	0.00
54) 4-Nitrophenol-d4	14.764	143	14136	19.789	ng/u1	0.00
60) Fluorene-d10	15.510	176	146314	29.331	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	15.663	200	18295	17.928	ng/u1	0.01
73) Anthracene-d10	17.367	188	246339	33.117	ng/u1	0.00
81) Pyrene-d10	19.664	212	267525	27.284	ng/u1	0.00
92) Benzo(a)pyrene-d12	24.423	264	233743	21.816	ng/u1	0.03
Target Compounds					Qvalue	
30) Naphthalene	10.722	128	34673	6.702	ng/u1	96
36) 2-Methylnaphthalene	12.332	142	11124	2.965	ng/u1	94
37) 1-Methylnaphthalene	12.549	142	9272	2.408	ng/u1	99
52) Acenaphthene	14.576	153	29306	6.707	ng/u1	99
56) Dibenzofuran	14.911	168	50942	8.154	ng/u1	95
61) Fluorene	15.563	166	41995	7.769	ng/u1	87
72) Phenanthrene	17.314	178	952258	116.284	ng/u1	99
74) Anthracene	17.402	178	209014	24.685	ng/u1	97
77) Carbazole	17.672	167	110950	16.110	ng/u1	98
80) Fluoranthene	19.335	202	1549105	131.695	ng/u1	99
82) Pyrene	19.699	202	1010957	82.798	ng/u1	98
85) Benzo(a)anthracene	21.515	228	803171	60.953	ng/u1	99
87) Chrysene	21.580	228	674833	55.619	ng/u1	96
90) Benzo(b)fluoranthene	23.671	252	911852	68.721	ng/u1	99
91) Benzo(k)fluoranthene	23.718	252	302360	22.447	ng/u1	93
93) Benzo(a)pyrene	24.494	252	358548	28.457	ng/u1	94
94) Indeno(1,2,3-cd)pyrene	28.172	276	288639	18.943	ng/u1	99
95) Dibenzo(a,h)anthracene	28.190	278	108110m	8.605	ng/u1	
96) Benzo(g,h,i)perylene	29.265	276	35969m	2.967	ng/u1	

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

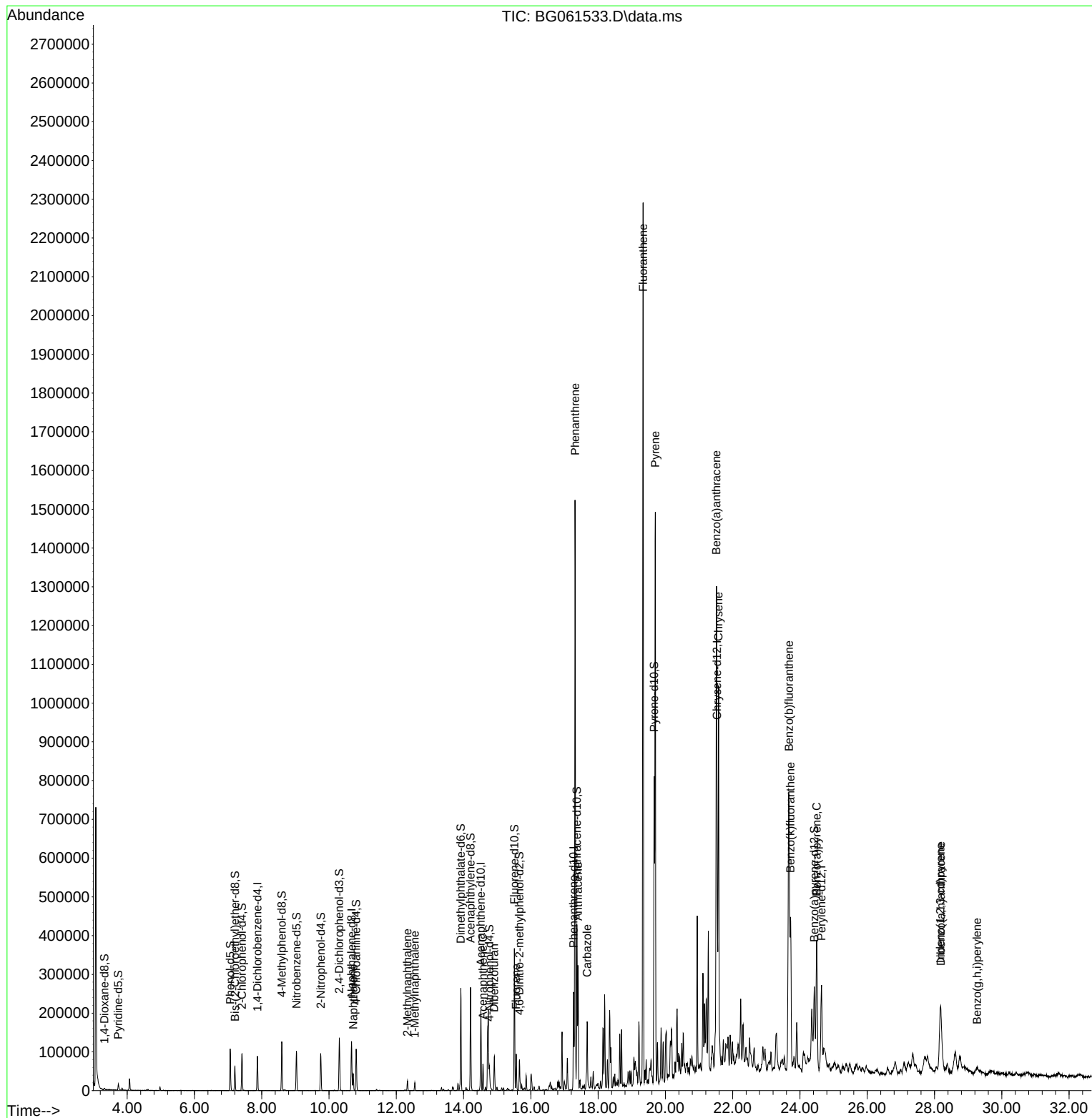
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG060724\
Data File : BG061533.D
Acq On : 7 Jun 2024 14:49
Operator : MA/JU
Sample : P2591-11ME
Misc :
ALS Vial : 4 Sample Multiplier: 1

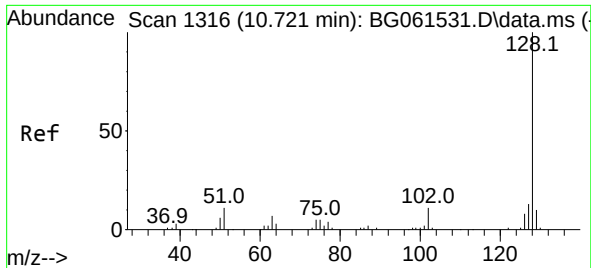
Instrument :
BNA_G
ClientSampleId :
BHBQ2ME

Quant Time: Jun 07 15:36:28 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

Manual Integrations
APPROVED

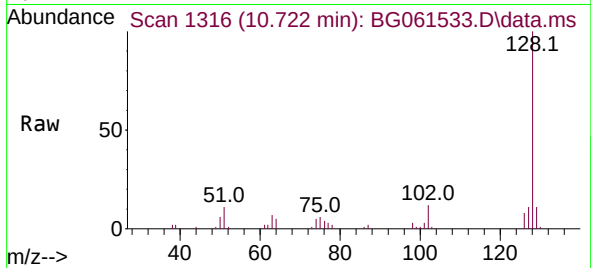
Reviewed By :Yogesh Patel 06/08/2024
Supervised By :mohammad ahmed 06/10/2024





#30
Naphthalene
Concen: 6.702 ng/ul
RT: 10.722 min Scan# 11
Delta R.T. 0.002 min
Lab File: BG061533.D
Acq: 7 Jun 2024 14:49

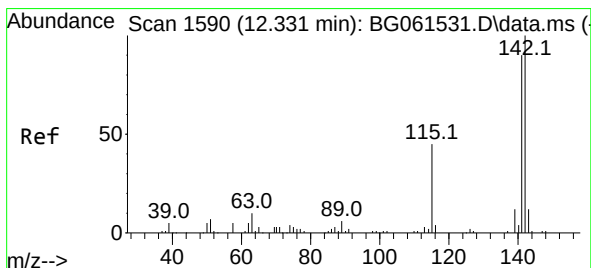
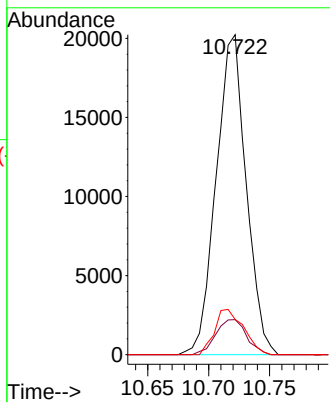
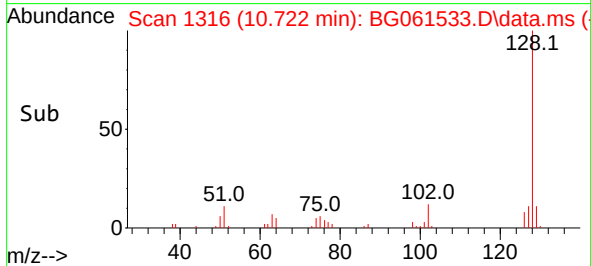
Instrument :
BNA_G
ClientSampleId :
BHBQ2ME



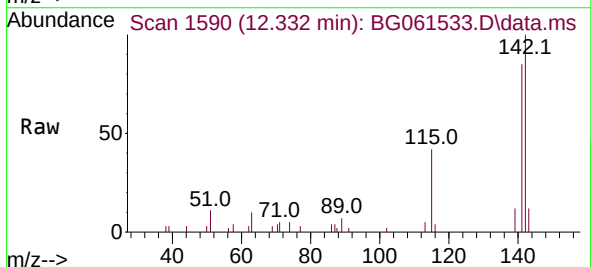
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Ion Ratio Lower Upper
128 100
129 10.9 8.6 12.8
127 11.0 10.8 16.2

Manual Integrations
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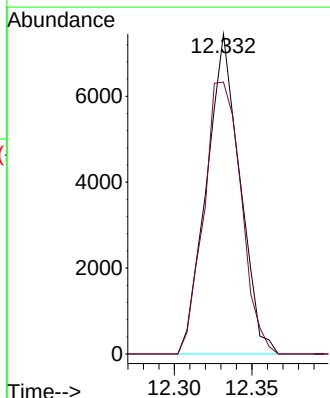
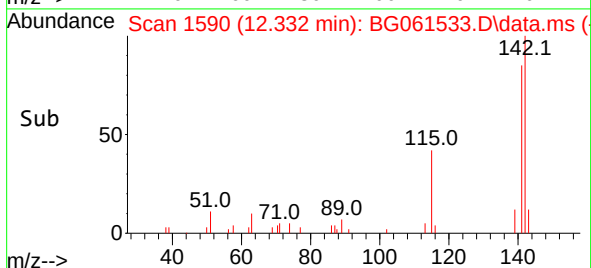
Reviewed By :Yogesh Patel 06/08/2024
Supervised By :mohammad ahmed 06/10/2024

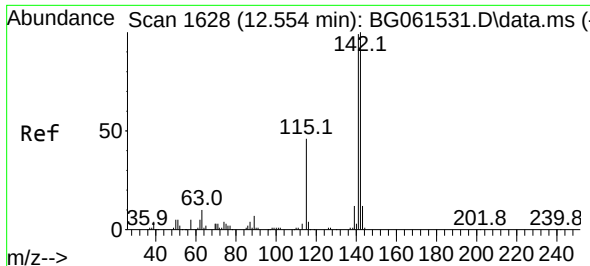


#36
2-Methylnaphthalene
Concen: 2.965 ng/ul
RT: 12.332 min Scan# 1590
Delta R.T. 0.002 min
Lab File: BG061533.D
Acq: 7 Jun 2024 14:49



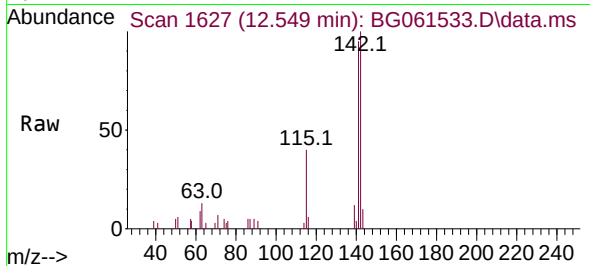
Tgt Ion:142 Resp: 11124
Ion Ratio Lower Upper
142 100
141 84.9 72.2 108.2





#37
1-Methylnaphthalene
Concen: 2.408 ng/ul
RT: 12.549 min Scan# 1627
Delta R.T. 0.002 min
Lab File: BG061533.D
Acq: 7 Jun 2024 14:49

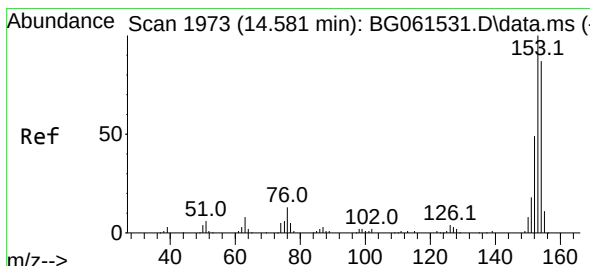
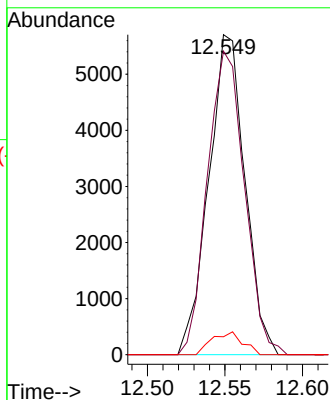
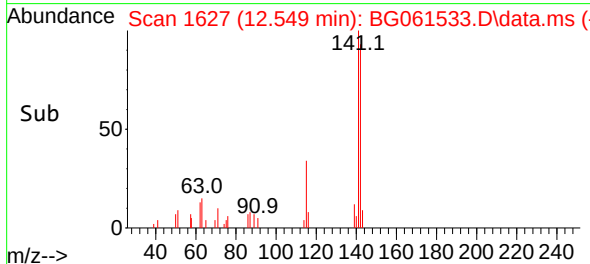
Instrument :
BNA_G
ClientSampleId :
BHBQ2ME



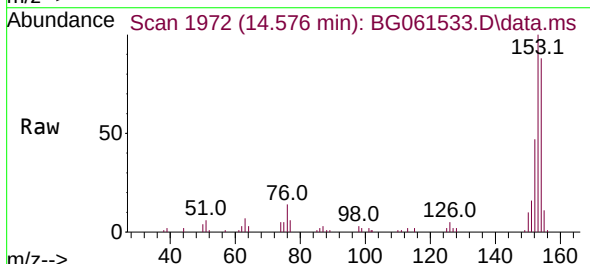
Tgt Ion:142 Resp: 927
Ion Ratio Lower Upper
142 100
141 94.9 75.5 113.3
116 5.6 4.0 6.0

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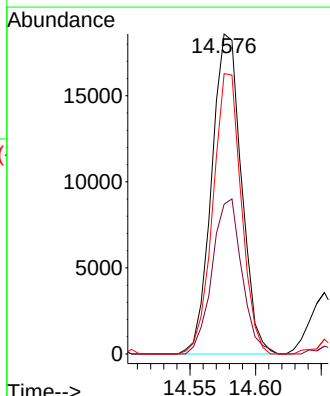
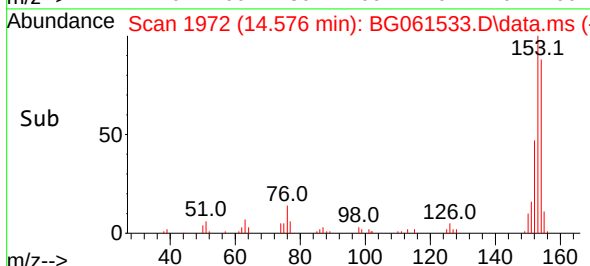
Reviewed By :Yogesh Patel 06/08/2024
Supervised By :mohammad ahmed 06/10/2024

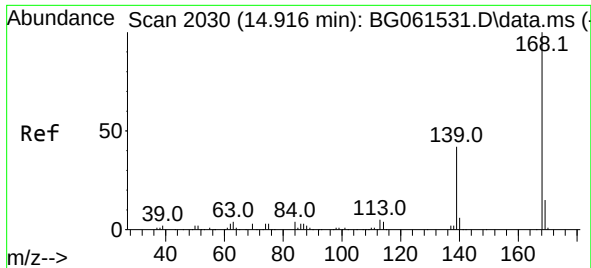


#52
Acenaphthene
Concen: 6.707 ng/ul
RT: 14.576 min Scan# 1972
Delta R.T. 0.002 min
Lab File: BG061533.D
Acq: 7 Jun 2024 14:49



Tgt Ion:153 Resp: 29306
Ion Ratio Lower Upper
153 100
152 46.8 37.8 56.8
154 87.6 69.0 103.6





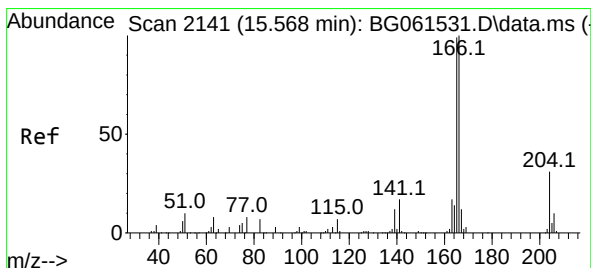
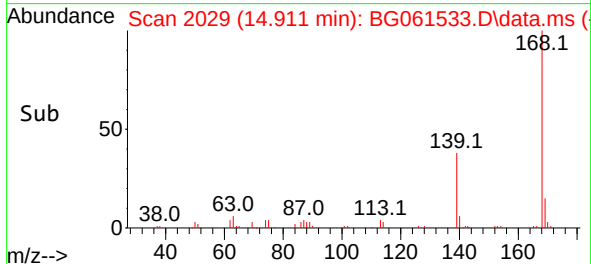
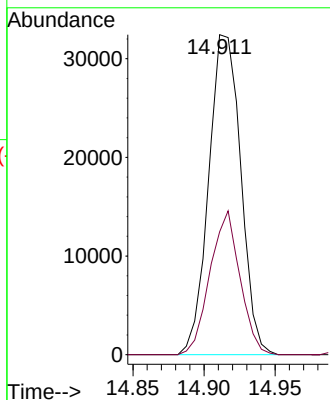
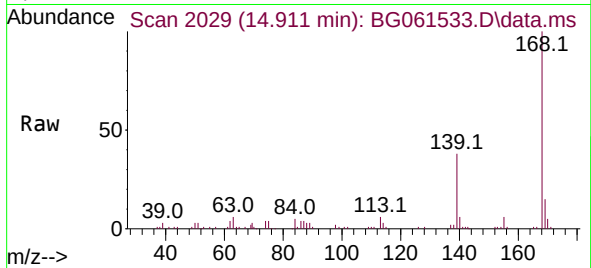
#56
Dibenzenofuran
Concen: 8.154 ng/ul
RT: 14.911 min Scan# 2030
Delta R.T. 0.002 min
Lab File: BG061533.D
Acq: 7 Jun 2024 14:49

Instrument :
BNA_G
ClientSampleId :
BHBQ2ME

Tgt Ion:168 Resp: 5094
Ion Ratio Lower Upper
168 100
139 38.4 33.4 50.2

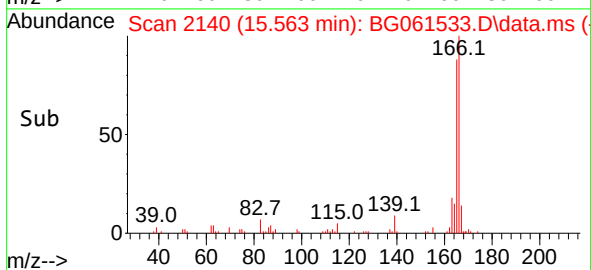
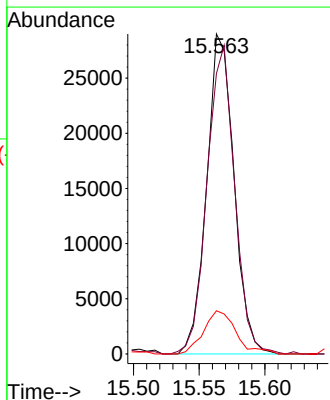
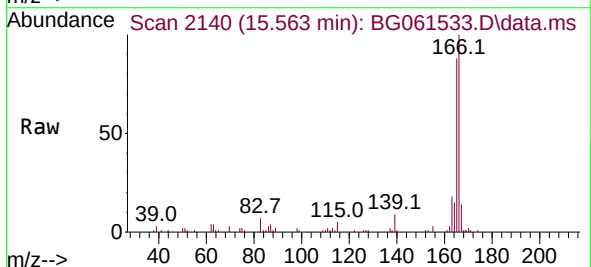
Manual Integrations
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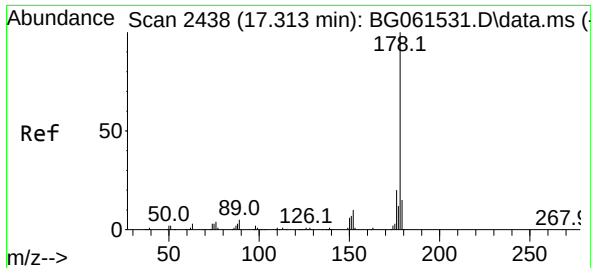
Reviewed By :Yogesh Patel 06/08/2024
Supervised By :mohammad ahmed 06/10/2024



#61
Fluorene
Concen: 7.769 ng/ul
RT: 15.563 min Scan# 2140
Delta R.T. 0.002 min
Lab File: BG061533.D
Acq: 7 Jun 2024 14:49

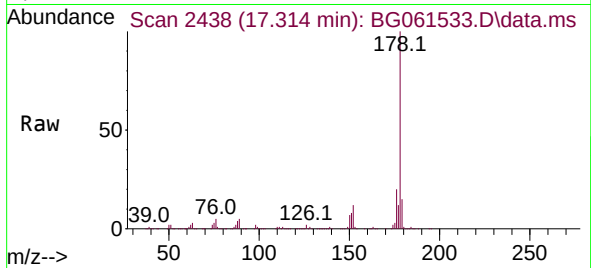
Tgt Ion:166 Resp: 41995
Ion Ratio Lower Upper
166 100
165 87.6 81.8 122.8
167 13.5 10.6 16.0





#72
Phenanthrene
Concen: 116.284 ng/ul
RT: 17.314 min Scan# 2438
Delta R.T. 0.008 min
Lab File: BG061533.D
Acq: 7 Jun 2024 14:49

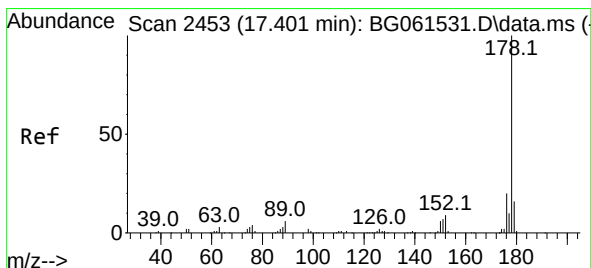
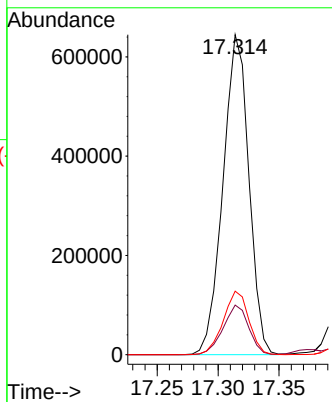
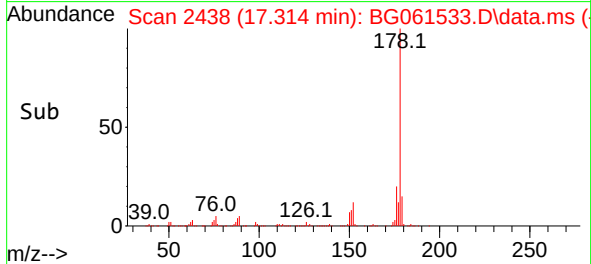
Instrument :
BNA_G
ClientSampleId :
BHBQ2ME



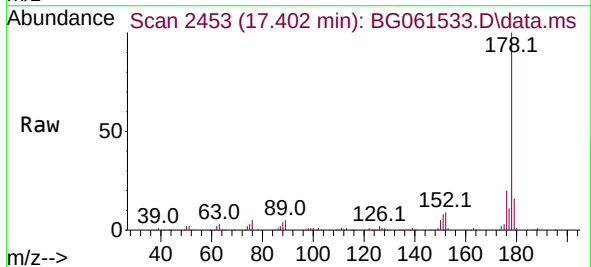
Tgt Ion:178 Resp: 952258
Ion Ratio Lower Upper
178 100
179 15.5 12.7 19.1
176 19.9 15.5 23.3

Manual Integrations
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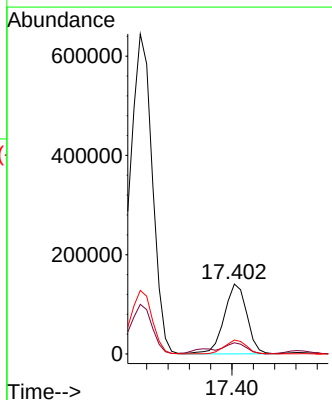
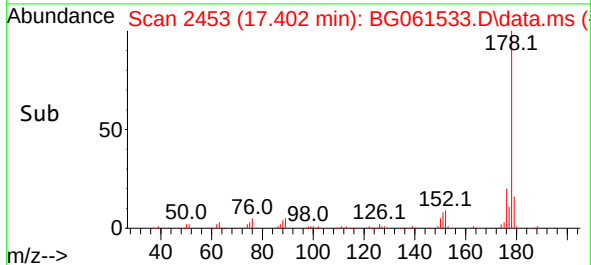
Reviewed By :Yogesh Patel 06/08/2024
Supervised By :mohammad ahmed 06/10/2024

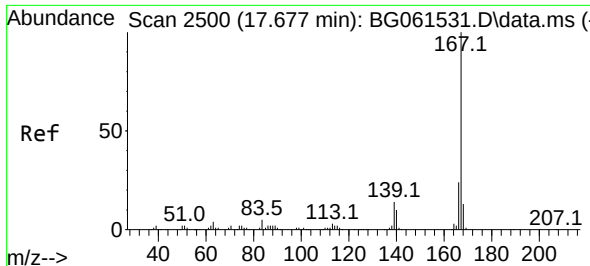


#74
Anthracene
Concen: 24.685 ng/ul
RT: 17.402 min Scan# 2453
Delta R.T. 0.008 min
Lab File: BG061533.D
Acq: 7 Jun 2024 14:49



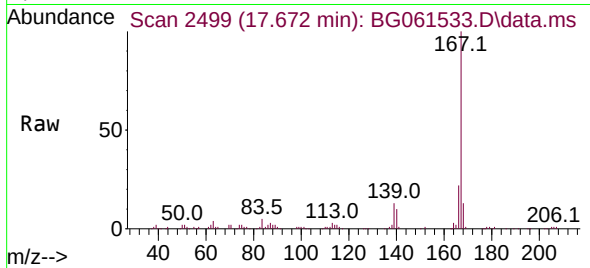
Tgt Ion:178 Resp: 209014
Ion Ratio Lower Upper
178 100
179 16.1 11.8 17.6
176 20.0 14.9 22.3





#77
 Carbazole
 Concen: 16.110 ng/ul
 RT: 17.672 min Scan# 2499
 Delta R.T. 0.002 min
 Lab File: BG061533.D
 Acq: 7 Jun 2024 14:49

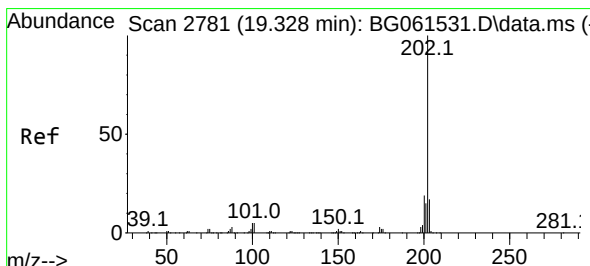
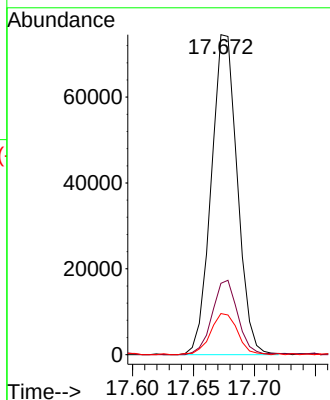
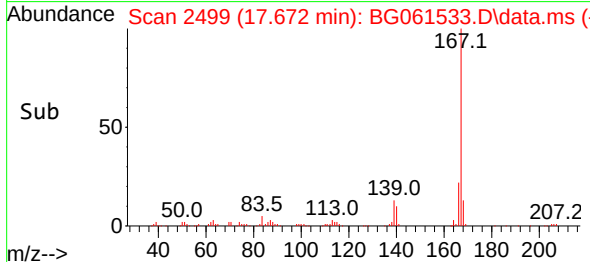
Instrument :
 BNA_G
 ClientSampleId :
 BHBQ2ME



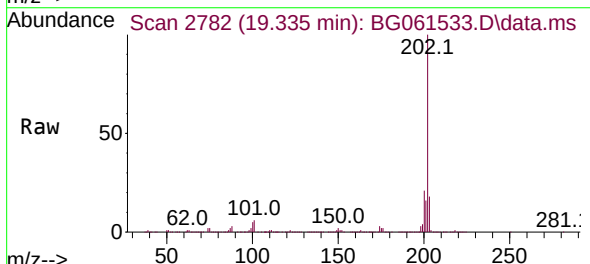
Tgt Ion:167 Resp: 110950
 Ion Ratio Lower Upper
 167 100
 166 22.3 18.6 28.0
 139 12.8 10.6 15.8

Manual Integrations
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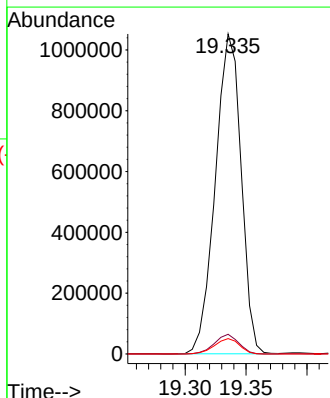
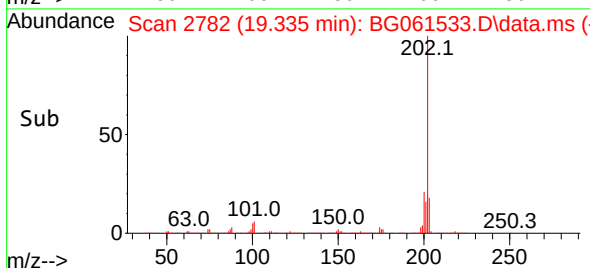
Reviewed By :Yogesh Patel 06/08/2024
 Supervised By :mohammad ahmed 06/10/2024

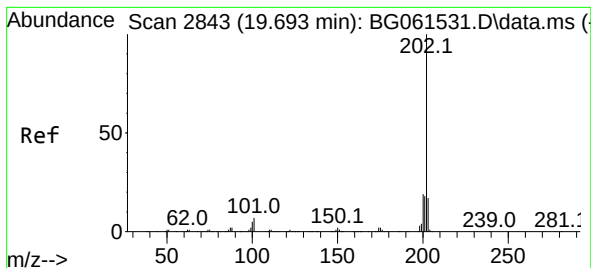


#80
 Fluoranthene
 Concen: 131.695 ng/ul
 RT: 19.335 min Scan# 2782
 Delta R.T. 0.014 min
 Lab File: BG061533.D
 Acq: 7 Jun 2024 14:49



Tgt Ion:202 Resp: 1549105
 Ion Ratio Lower Upper
 202 100
 101 6.1 4.8 7.2
 100 4.8 4.1 6.1





#82

Pyrene

Concen: 82.798 ng/ul

RT: 19.699 min Scan# 2844

Delta R.T. 0.014 min

Lab File: BG061533.D

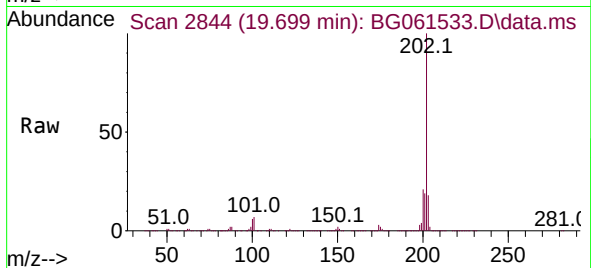
Acq: 7 Jun 2024 14:49

Instrument :

BNA_G

ClientSampleId :

BHBQ2ME



Tgt Ion:202 Resp: 101095

Ion Ratio Lower Upper

202 100

101 6.6 5.7 8.5

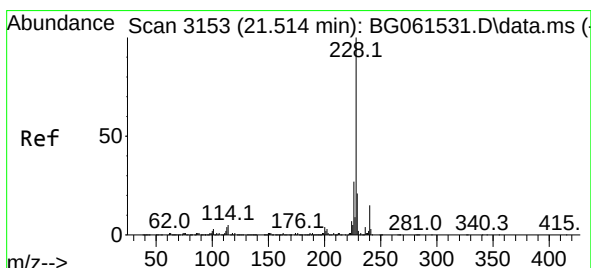
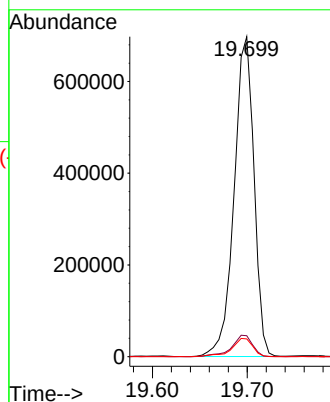
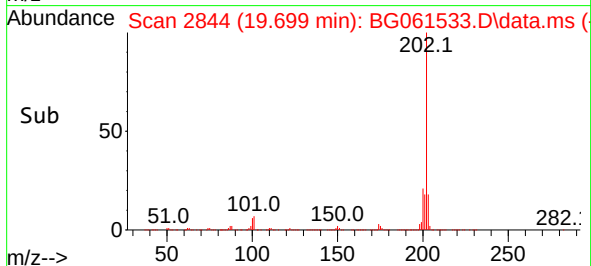
100 5.6 5.1 7.7

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 06/08/2024

Supervised By :mohammad ahmed 06/10/2024



#85

Benzo(a)anthracene

Concen: 60.953 ng/ul

RT: 21.515 min Scan# 3153

Delta R.T. 0.014 min

Lab File: BG061533.D

Acq: 7 Jun 2024 14:49

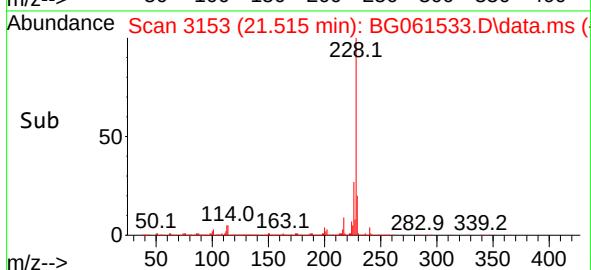
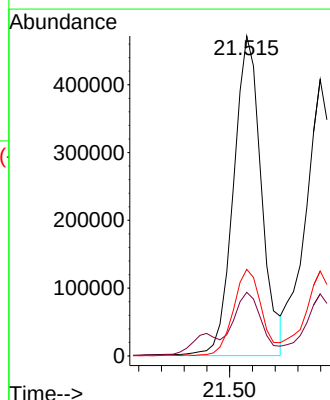
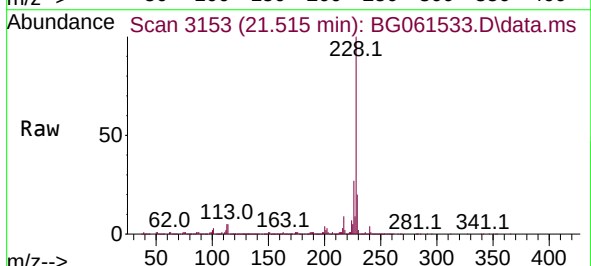
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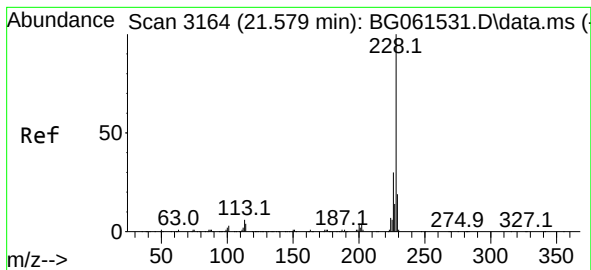
Ion Ratio Lower Upper

228 100

229 19.9 15.2 22.8

226 27.1 21.4 32.2





#87

Chrysene

Concen: 55.619 ng/ul

RT: 21.580 min Scan# 3164

Delta R.T. 0.014 min

Lab File: BG061533.D

Acq: 7 Jun 2024 14:49

Instrument :

BNA_G

ClientSampleId :

BHBQ2ME

Tgt Ion:228 Resp: 67483

Ion Ratio Lower Upper

228 100

226 30.7 23.4 35.0

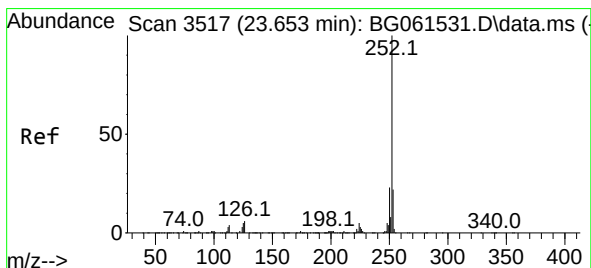
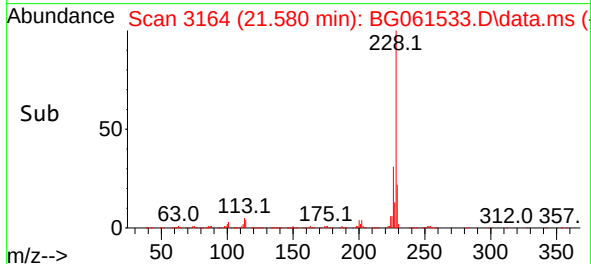
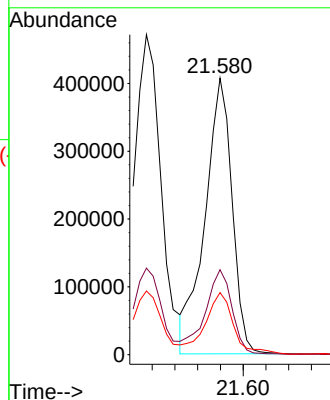
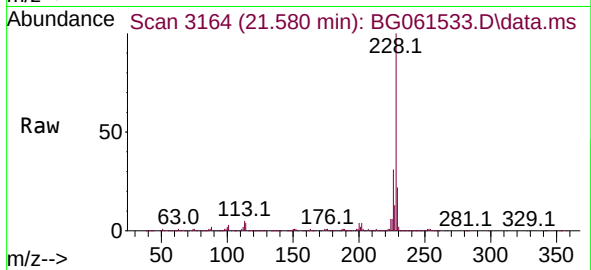
229 22.4 15.4 23.2

Manual Integrations

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Reviewed By :Yogesh Patel 06/08/2024

Supervised By :mohammad ahmed 06/10/2024



#90

Benzo(b)fluoranthene

Concen: 68.721 ng/ul

RT: 23.671 min Scan# 3520

Delta R.T. 0.037 min

Lab File: BG061533.D

Acq: 7 Jun 2024 14:49

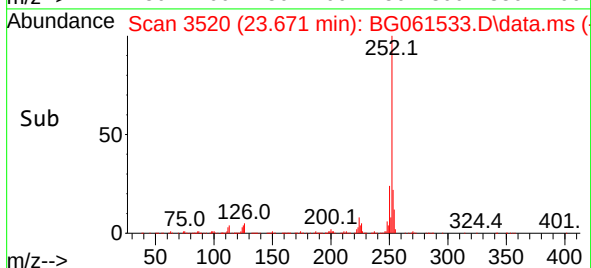
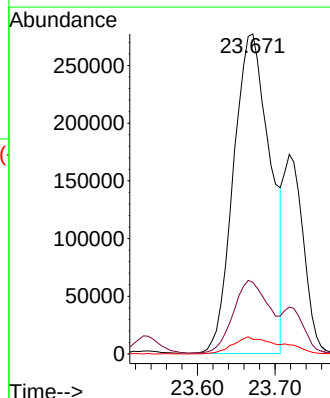
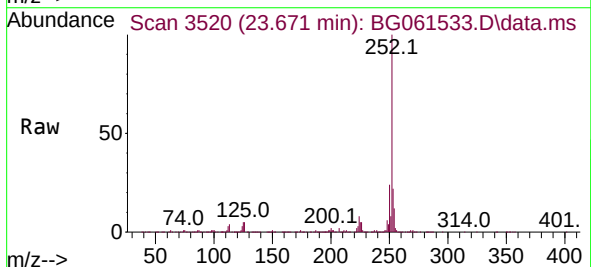
Tgt Ion:252 Resp: 911852

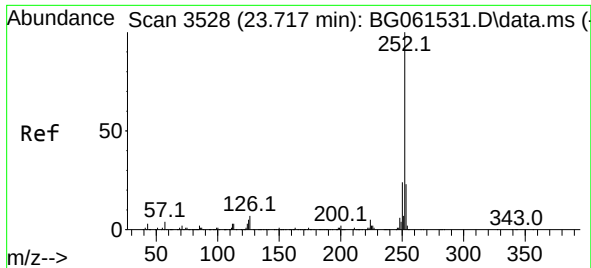
Ion Ratio Lower Upper

252 100

253 22.4 17.8 26.8

125 4.6 4.6 6.8





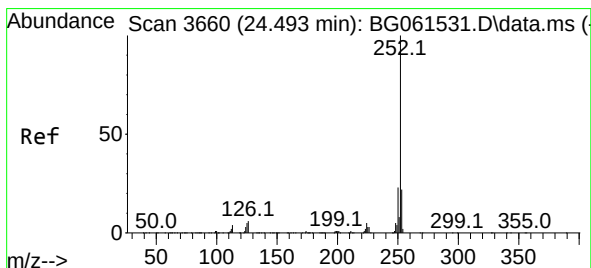
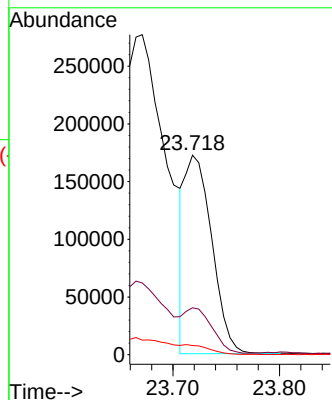
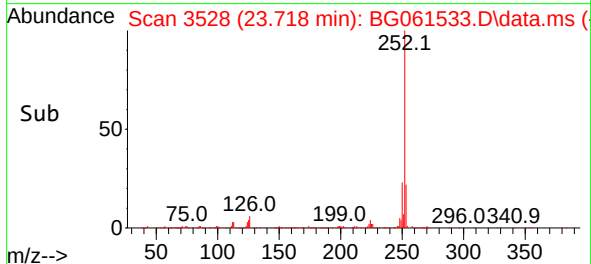
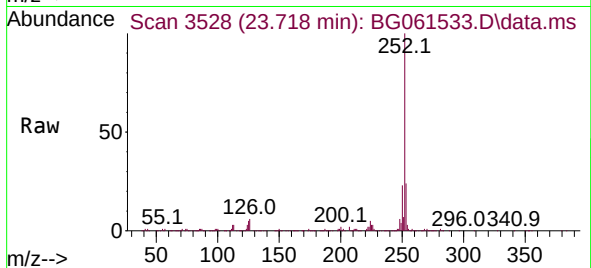
#91
Benzo(k)fluoranthene
Concen: 22.447 ng/u1
RT: 23.718 min Scan# 302360
Delta R.T. 0.019 min
Lab File: BG061533.D
Acq: 7 Jun 2024 14:49

Instrument :
BNA_G
ClientSampleId :
BHBQ2ME

Tgt Ion:252 Resp: 302360
Ion Ratio Lower Upper
252 100
253 23.5 16.0 24.0
125 4.6 4.3 6.5

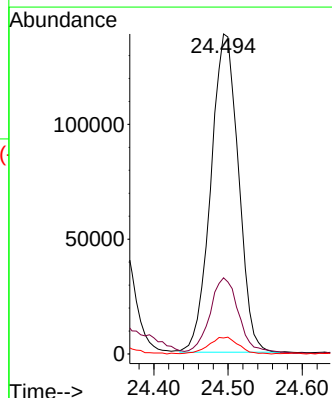
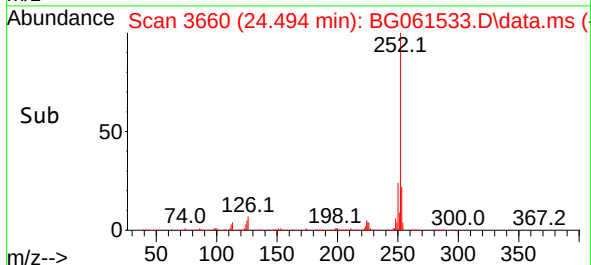
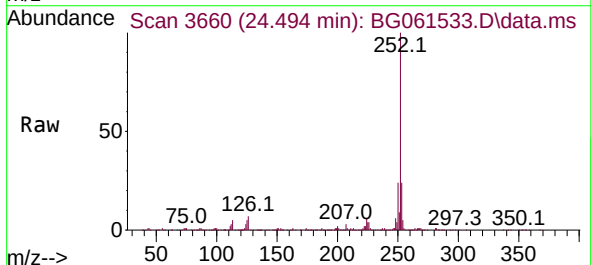
Manual Integrations
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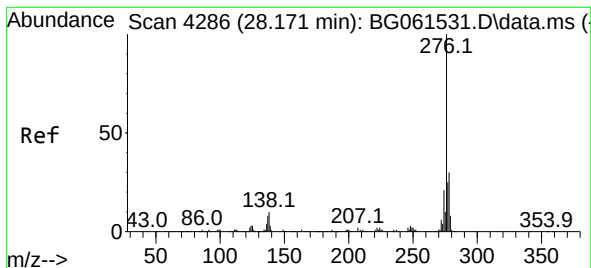
Reviewed By :Yogesh Patel 06/08/2024
Supervised By :mohammad ahmed 06/10/2024



#93
Benzo(a)pyrene
Concen: 28.457 ng/u1
RT: 24.494 min Scan# 3660
Delta R.T. 0.025 min
Lab File: BG061533.D
Acq: 7 Jun 2024 14:49

Tgt Ion:252 Resp: 358548
Ion Ratio Lower Upper
252 100
253 23.8 16.4 24.6
125 5.0 4.3 6.5





#94

Indeno(1,2,3-cd)pyrene

Concen: 18.943 ng/ul

RT: 28.172 min Scan# 4286

Delta R.T. 0.037 min

Lab File: BG061533.D

Acq: 7 Jun 2024 14:49

Instrument :

BNA_G

ClientSampleId :

BHBQ2ME

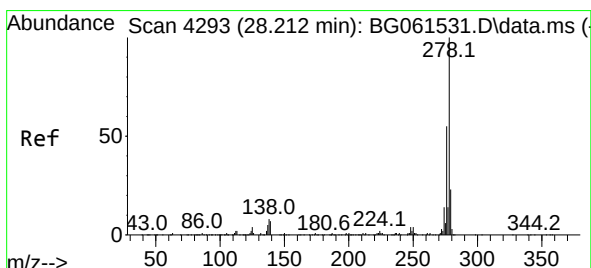
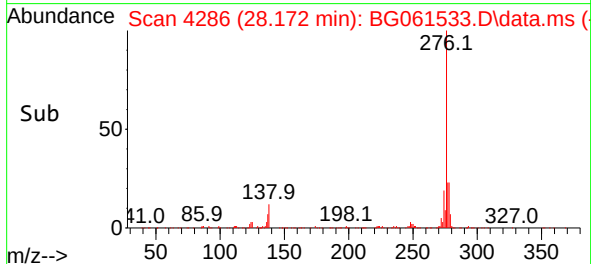
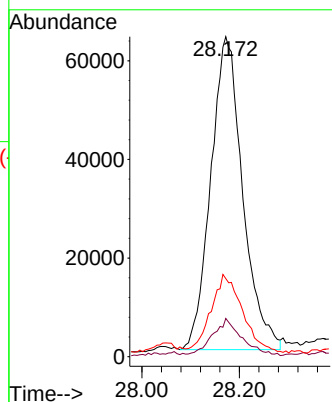
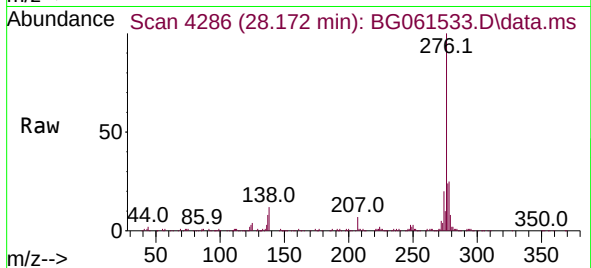
Tgt Ion:	276	Resp:	288639
Ion Ratio	Lower	Upper	
276	100		
138	11.9	8.6	13.0
277	24.4	19.7	29.5

Manual Integrations

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Reviewed By :Yogesh Patel 06/08/2024

Supervised By :mohammad ahmed 06/10/2024



#95

Dibenzo(a,h)anthracene

Concen: 8.605 ng/ul m

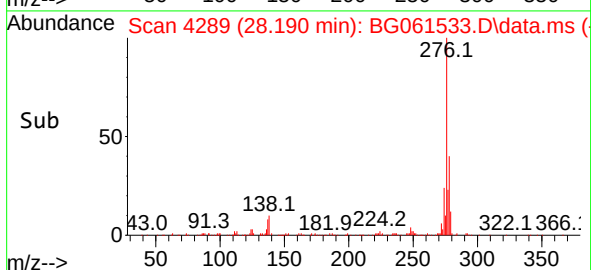
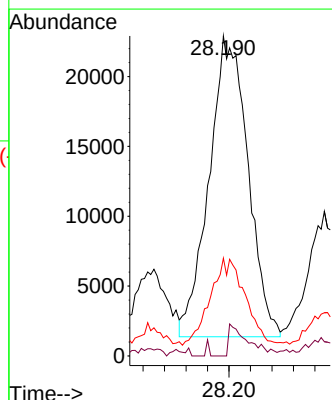
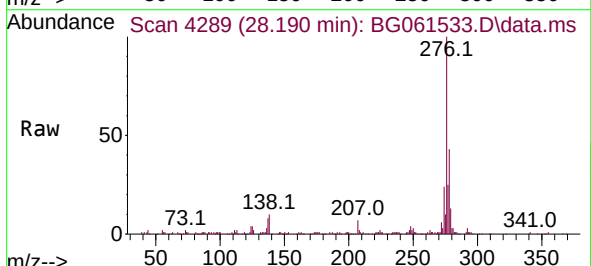
RT: 28.190 min Scan# 4289

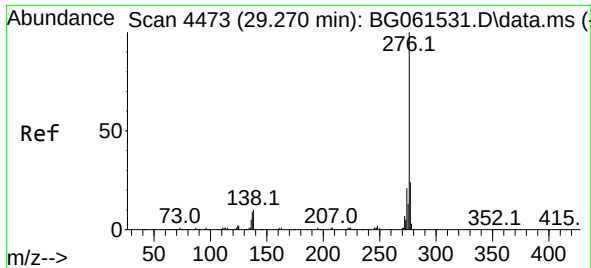
Delta R.T. 0.019 min

Lab File: BG061533.D

Acq: 7 Jun 2024 14:49

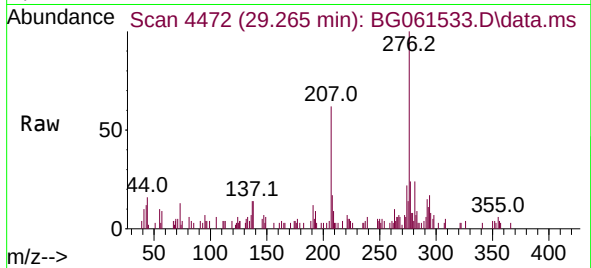
Tgt Ion:	278	Resp:	108110
Ion Ratio	Lower	Upper	
278	100		
139	0.0	6.4	9.6#
279	30.5	19.9	29.9#





#96
 Benzo(g,h,i)perylene
 Concen: 2.967 ng/ul m
 RT: 29.265 min Scan# 44
 Delta R.T. 0.043 min
 Lab File: BG061533.D
 Acq: 7 Jun 2024 14:49

Instrument :
 BNA_G
 ClientSampleId :
 BHBQ2ME



Tgt Ion:276 Resp: 3596
 Ion Ratio Lower Upper
 276 100
 138 14.1 8.7 13.1
 277 24.4 18.2 27.2

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 06/08/2024
 Supervised By :mohammad ahmed 06/10/2024

