

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG060724\
 Data File : BG061544.D
 Acq On : 7 Jun 2024 22:24
 Operator : MA/JU
 Sample : P2640-12
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 A4C26

Manual Integrations
 APPROVED

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

Quant Time: Jun 08 00:25:01 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	7.873	152	24242	20.000	ng/u1	0.00
20) Naphthalene-d8	10.663	136	96835	20.000	ng/u1	0.00
38) Acenaphthene-d10	14.512	164	79286	20.000	ng/u1	0.00
64) Phenanthrene-d10	17.262	188	175779	20.000	ng/u1	0.00
79) Chrysene-d12	21.521	240	187833	20.000	ng/u1	0.00
88) Perylene-d12	24.629	264	213678	20.000	ng/u1	0.02
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.331	96	1798	4.151	ng/uL	-0.03
4) Pyridine-d5	3.742	84	10075	6.538	ng/u1	-0.03
7) Phenol-d5	7.062	99	42429	21.313	ng/u1	0.00
9) Bis-(2-Chloroethyl)eth...	7.197	67	25154	20.103	ng/u1	-0.02
11) 2-Chlorophenol-d4	7.408	132	35503	24.097	ng/u1	0.00
15) 4-Methylphenol-d8	8.595	113	32426	19.102	ng/u1	0.00
21) Nitrobenzene-d5	9.030	128	17651	23.675	ng/u1	0.00
24) 2-Nitrophenol-d4	9.753	143	20435	23.420	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	10.305	165	41268	24.260	ng/u1	0.00
31) 4-Chloroaniline-d4	10.804	131	20287	9.116	ng/u1	0.00
46) Dimethylphthalate-d6	13.918	166	140252	22.808	ng/u1	0.00
49) Acenaphthylene-d8	14.206	160	149029	23.311	ng/u1	0.00
54) 4-Nitrophenol-d4	14.764	143	12984	17.079	ng/u1	0.00
60) Fluorene-d10	15.505	176	123788	23.317	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	15.652	200	16361	15.389	ng/u1	0.00
73) Anthracene-d10	17.361	188	196879	25.405	ng/u1	0.00
81) Pyrene-d10	19.659	212	221632	22.980	ng/u1	0.00
92) Benzo(a)pyrene-d12	24.412	264	197694	19.245	ng/u1	0.01
Target Compounds						
					Qvalue	
72) Phenanthrene	17.303	178	96874	11.355	ng/u1	97
74) Anthracene	17.397	178	16780	1.902	ng/u1	97
77) Carbazole	17.673	167	9645	1.344	ng/u1	93
80) Fluoranthene	19.324	202	242862	20.991	ng/u1	99
82) Pyrene	19.688	202	180045	14.992	ng/u1#	97
85) Benzo(a)anthracene	21.504	228	116049	8.954	ng/u1	99
86) Bis(2-ethylhexyl)phtha...	21.410	149	13041	2.136	ng/u1#	98
87) Chrysene	21.568	228	132618	11.113	ng/u1	95
90) Benzo(b)fluoranthene	23.648	252	181895	14.297	ng/u1	99
91) Benzo(k)fluoranthene	23.707	252	57704m	4.468	ng/u1	
93) Benzo(a)pyrene	24.482	252	74219	6.144	ng/u1	96
94) Indeno(1,2,3-cd)pyrene	28.155	276	70357m	4.816	ng/u1	
95) Dibenzo(a,h)anthracene	28.196	278	22254m	1.847	ng/u1	

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

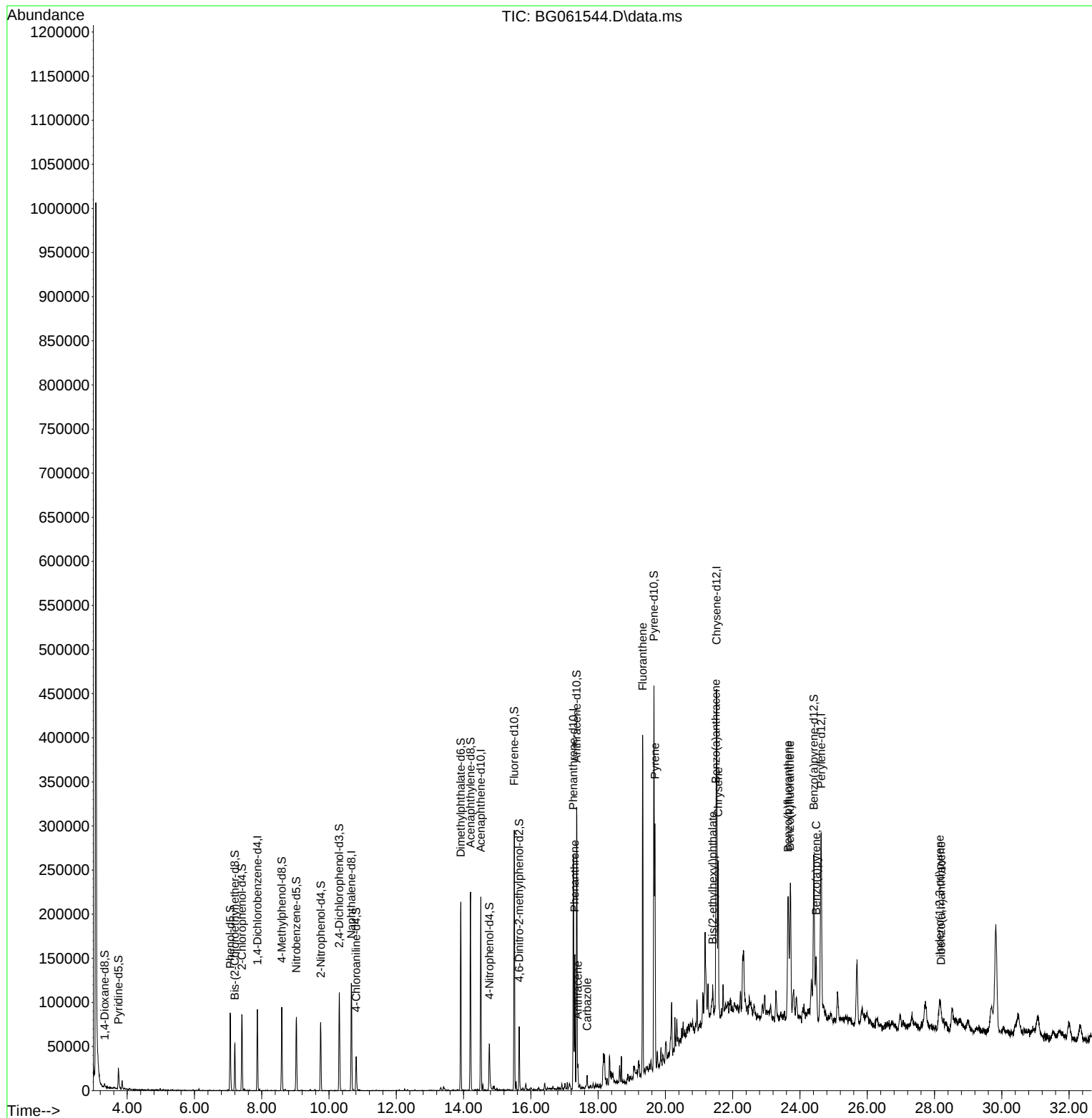
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG060724\
Data File : BG061544.D
Acq On : 7 Jun 2024 22:24
Operator : MA/JU
Sample : P2640-12
Misc :
ALS Vial : 14 Sample Multiplier: 1

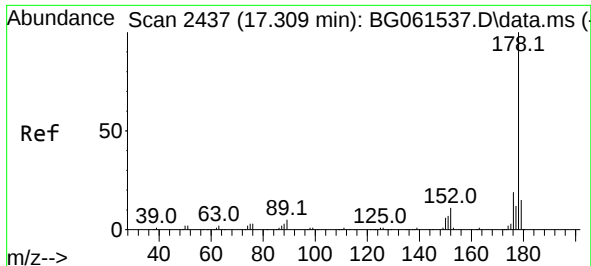
Instrument :
BNA_G
ClientSampleId :
A4C26

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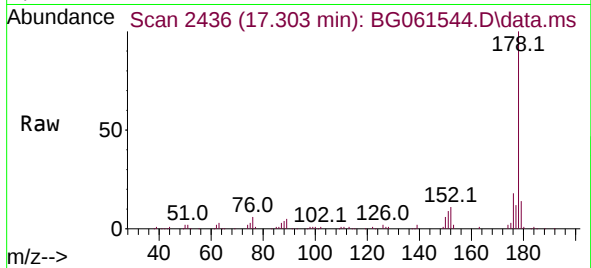
Quant Time: Jun 08 00:25:01 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG052124.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Thu Jun 06 12:15:45 2024
Response via : Initial Calibration





#72
Phenanthrene
Concen: 11.355 ng/u1
RT: 17.303 min Scan# 2436
Delta R.T. -0.004 min
Lab File: BG061544.D
Acq: 7 Jun 2024 22:24

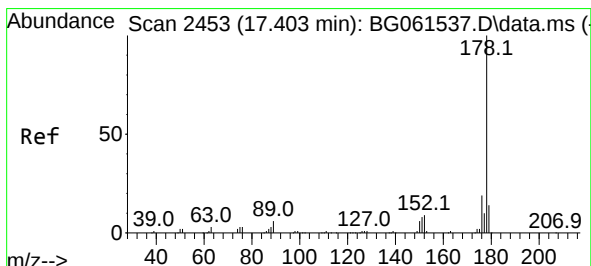
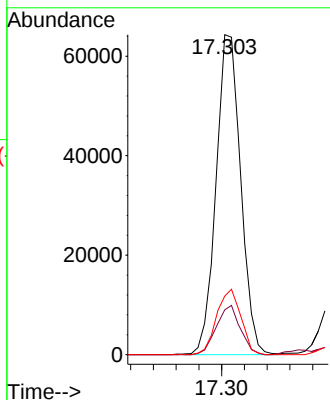
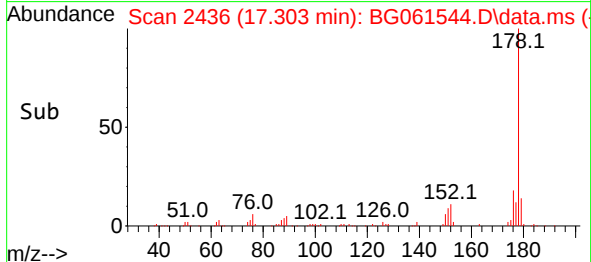
Instrument :
BNA_G
ClientSampleId :
A4C26



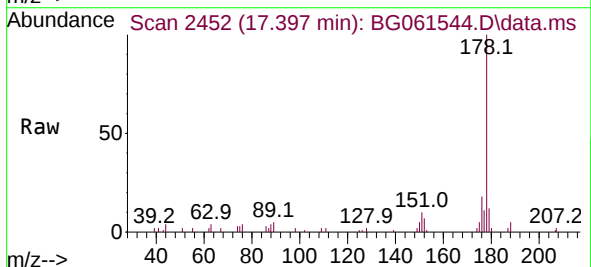
Tgt Ion:178 Resp: 96874
Ion Ratio Lower Upper
178 100
179 14.0 12.7 19.1
176 18.3 15.5 23.3

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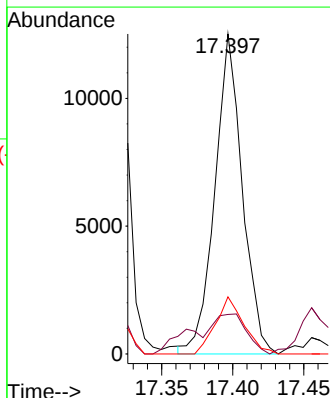
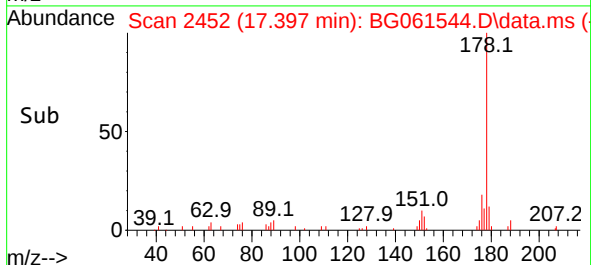
Reviewed By :Yogesh Patel 06/08/2024
Supervised By :mohammad ahmed 06/10/2024

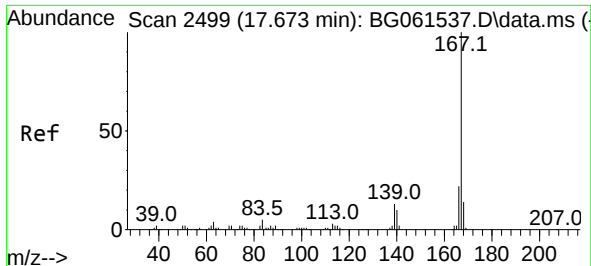


#74
Anthracene
Concen: 1.902 ng/u1
RT: 17.397 min Scan# 2452
Delta R.T. 0.002 min
Lab File: BG061544.D
Acq: 7 Jun 2024 22:24



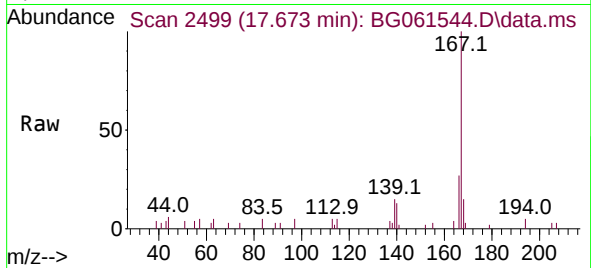
Tgt Ion:178 Resp: 16780
Ion Ratio Lower Upper
178 100
179 12.4 11.8 17.6
176 17.9 14.9 22.3





#77
 Carbazole
 Concen: 1.344 ng/ul
 RT: 17.673 min Scan# 2499
 Delta R.T. 0.002 min
 Lab File: BG061544.D
 Acq: 7 Jun 2024 22:24

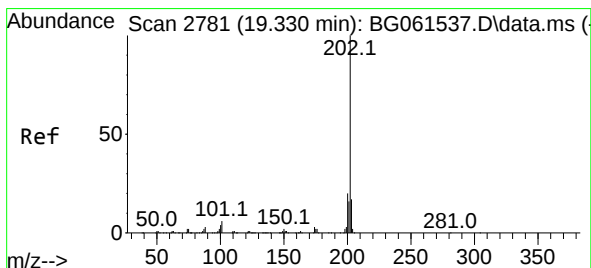
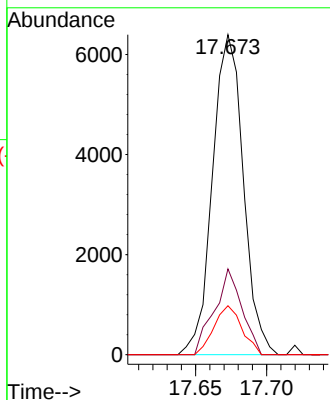
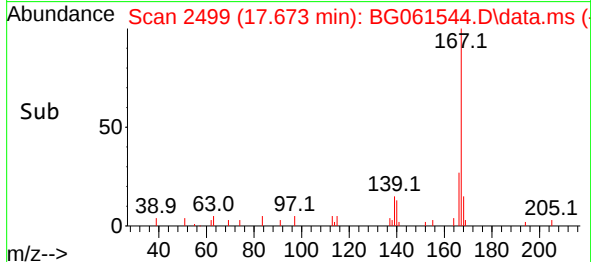
Instrument :
 BNA_G
 ClientSampleId :
 A4C26



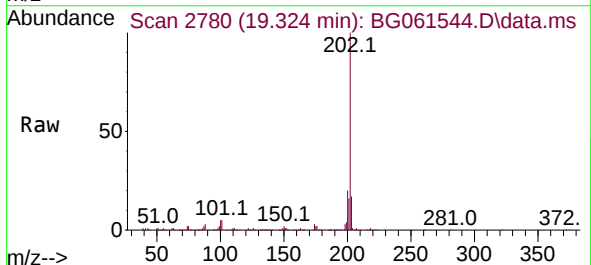
Tgt Ion:167 Resp: 9645
 Ion Ratio Lower Upper
 167 100
 166 26.8 18.6 28.0
 139 15.3 10.6 15.8

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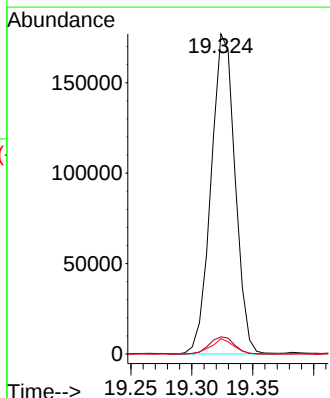
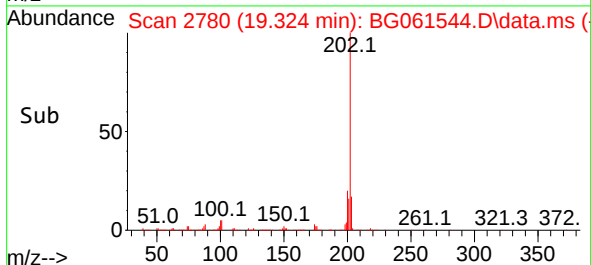
Reviewed By :Yogesh Patel 06/08/2024
 Supervised By :mohammad ahmed 06/10/2024

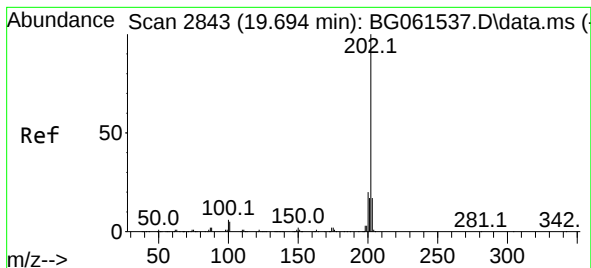


#80
 Fluoranthene
 Concen: 20.991 ng/ul
 RT: 19.324 min Scan# 2780
 Delta R.T. 0.002 min
 Lab File: BG061544.D
 Acq: 7 Jun 2024 22:24



Tgt Ion:202 Resp: 242862
 Ion Ratio Lower Upper
 202 100
 101 5.4 4.8 7.2
 100 4.8 4.1 6.1





#82

Pyrene

Concen: 14.992 ng/ul

RT: 19.688 min Scan# 21

Delta R.T. 0.002 min

Lab File: BG061544.D

Acq: 7 Jun 2024 22:24

Instrument :

BNA_G

ClientSampleId :

A4C26

Tgt Ion:202 Resp: 180049

Ion Ratio Lower Upper

202 100

101 6.4 5.7 8.5

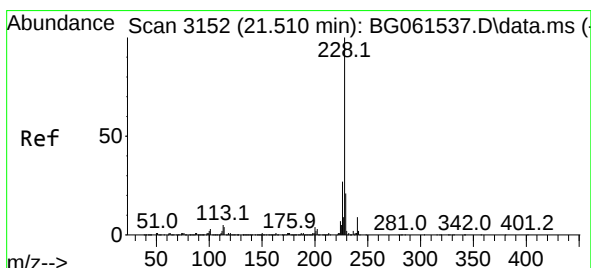
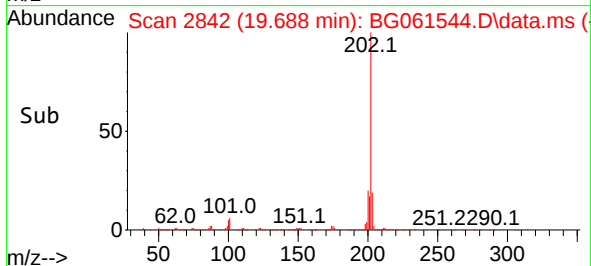
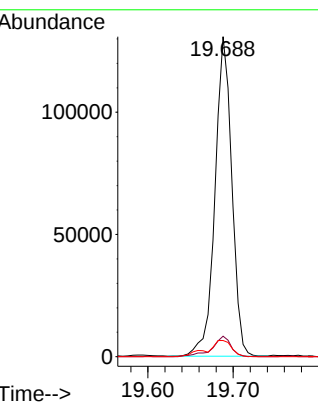
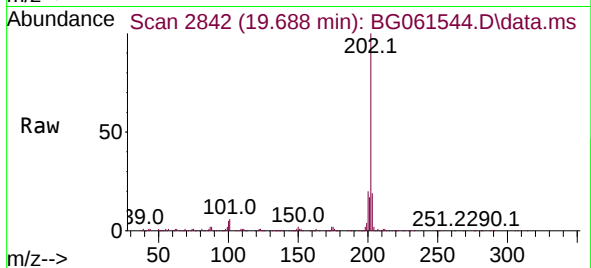
100 5.1 5.1 7.7

Manual Integrations

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Supervised By :mohammad ahmed 06/10/2024



#85

Benzo(a)anthracene

Concen: 8.954 ng/ul

RT: 21.504 min Scan# 3151

Delta R.T. 0.002 min

Lab File: BG061544.D

Acq: 7 Jun 2024 22:24

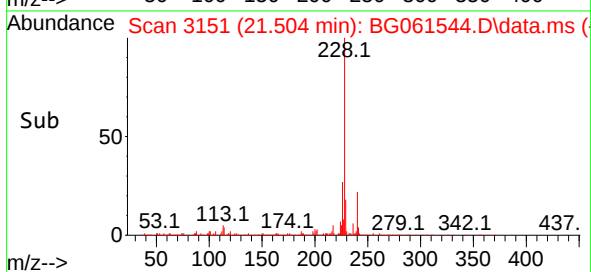
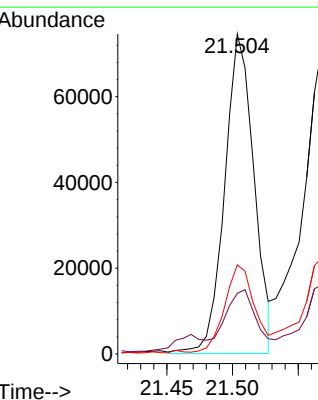
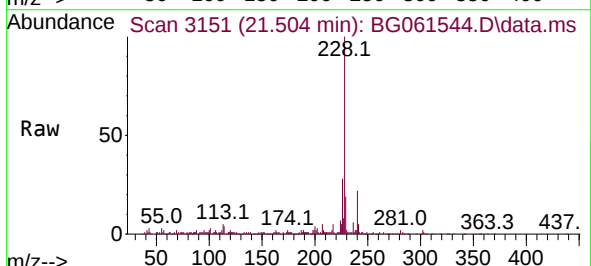
Tgt Ion:228 Resp: 116049

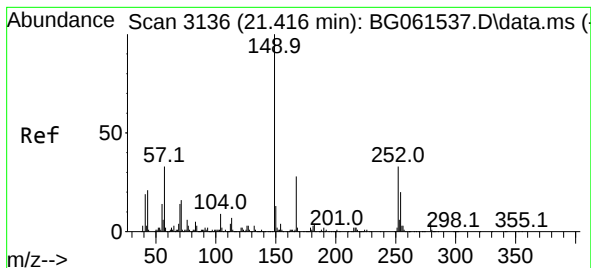
Ion Ratio Lower Upper

228 100

229 19.0 15.2 22.8

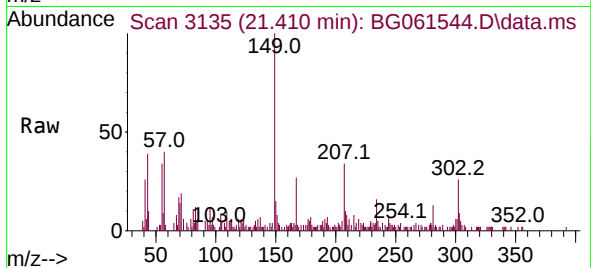
226 27.8 21.4 32.2





#86
Bis(2-ethylhexyl)phthalate
Concen: 2.136 ng/ul
RT: 21.410 min Scan# 3135
Delta R.T. 0.002 min
Lab File: BG061544.D
Acq: 7 Jun 2024 22:24

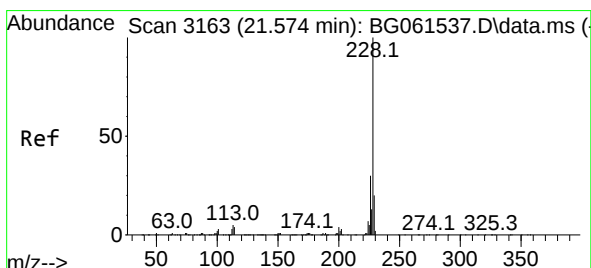
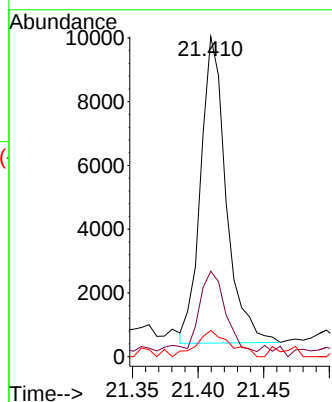
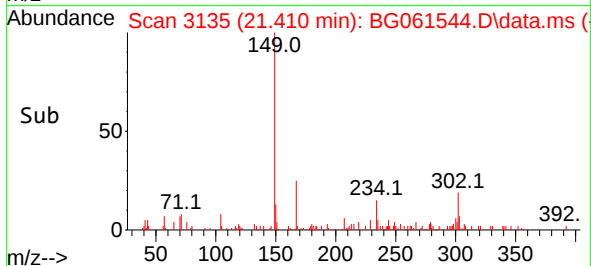
Instrument :
BNA_G
ClientSampleId :
A4C26



Tgt Ion:149 Resp: 1304
Ion Ratio Lower Upper
149 100
167 26.7 21.1 31.7
279 8.2 3.3 4.9

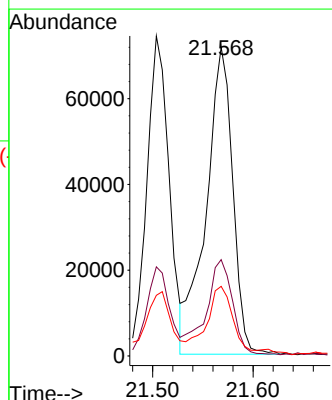
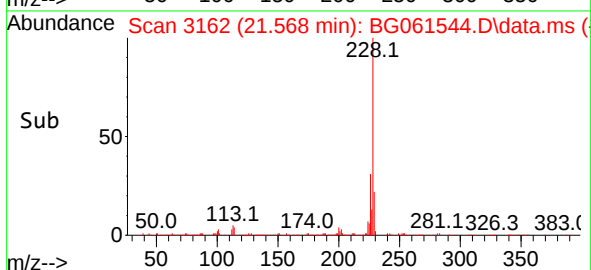
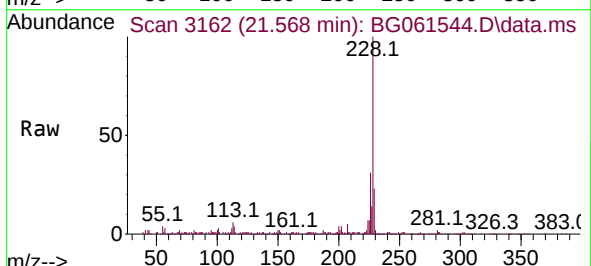
Manual Integrations
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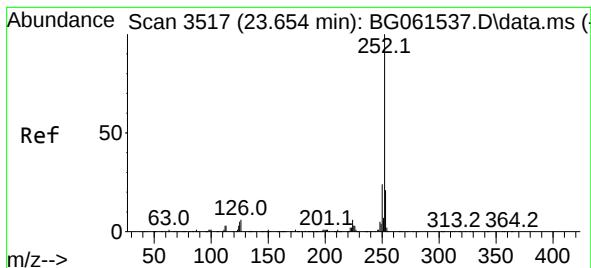
Reviewed By :Yogesh Patel 06/08/2024
Supervised By :mohammad ahmed 06/10/2024



#87
Chrysene
Concen: 11.113 ng/ul
RT: 21.568 min Scan# 3162
Delta R.T. 0.002 min
Lab File: BG061544.D
Acq: 7 Jun 2024 22:24

Tgt Ion:228 Resp: 132618
Ion Ratio Lower Upper
228 100
226 31.2 23.4 35.0
229 22.5 15.4 23.2





#90

Benzo(b)fluoranthene

Concen: 14.297 ng/ul

RT: 23.648 min Scan# 3517

Delta R.T. 0.014 min

Lab File: BG061544.D

Acq: 7 Jun 2024 22:24

Instrument :

BNA_G

ClientSampleId :

A4C26

Tgt Ion:252 Resp: 18189

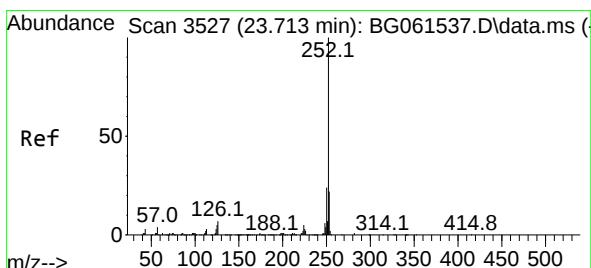
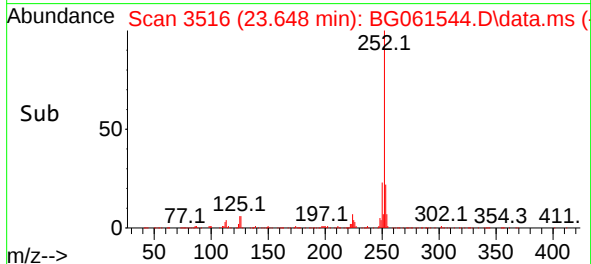
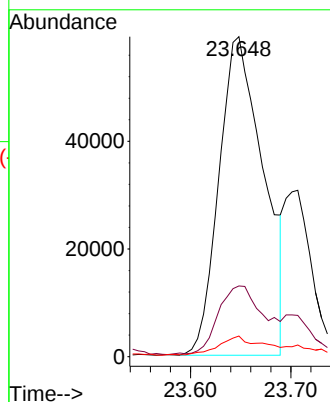
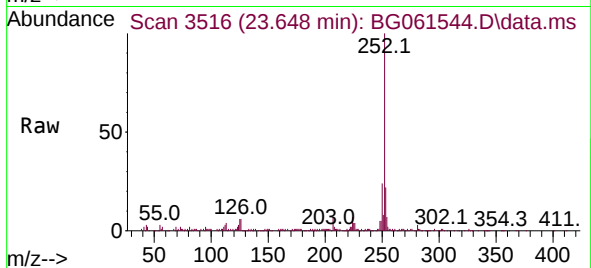
Ion	Ratio	Lower	Upper
252	100		
253	22.1	17.8	26.8
125	6.4	4.6	6.8

Manual Integrations

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Supervised By :mohammad ahmed 06/10/2024



#91

Benzo(k)fluoranthene

Concen: 4.468 ng/ul m

RT: 23.707 min Scan# 3526

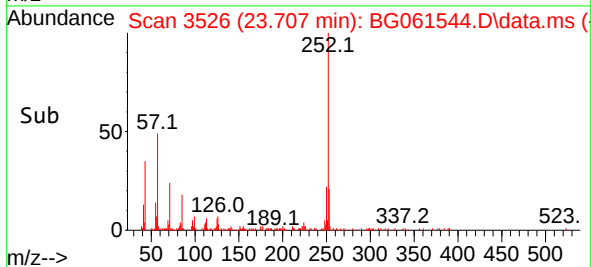
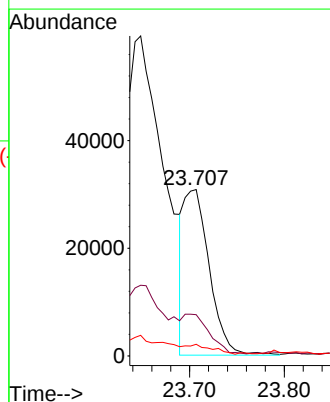
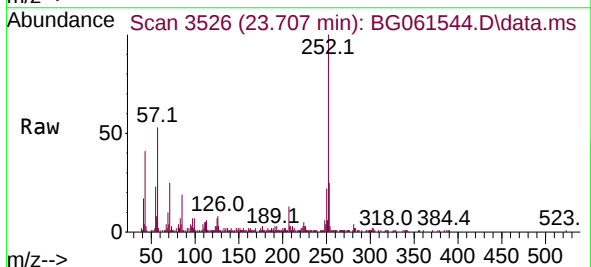
Delta R.T. 0.008 min

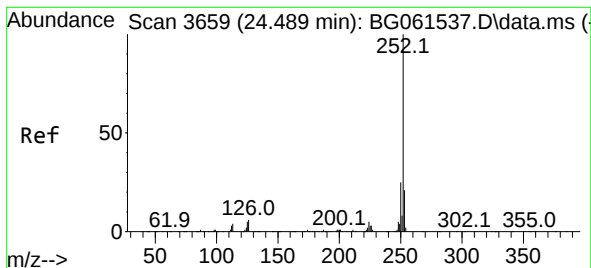
Lab File: BG061544.D

Acq: 7 Jun 2024 22:24

Tgt Ion:252 Resp: 57704

Ion	Ratio	Lower	Upper
252	100		
253	24.8	16.0	24.0#
125	7.0	4.3	6.5#





#93

Benzo(a)pyrene

Concen: 6.144 ng/ul

RT: 24.482 min Scan# 3658

Delta R.T. 0.014 min

Lab File: BG061544.D

Acq: 7 Jun 2024 22:24

Instrument :

BNA_G

ClientSampleId :

A4C26

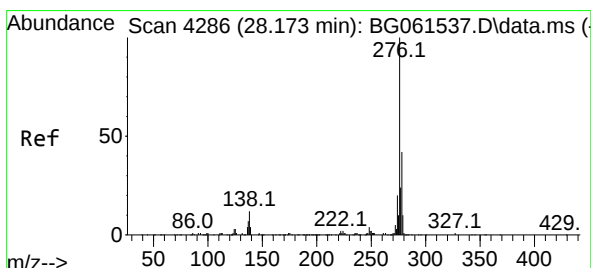
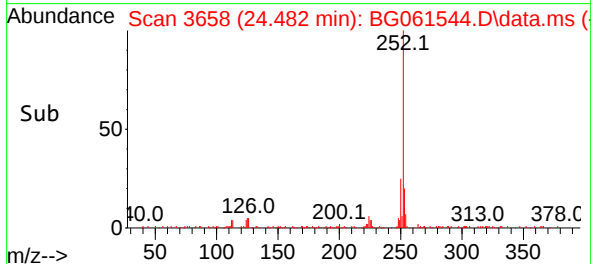
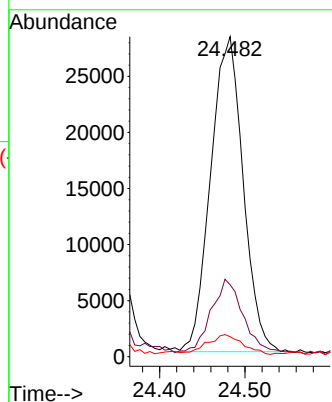
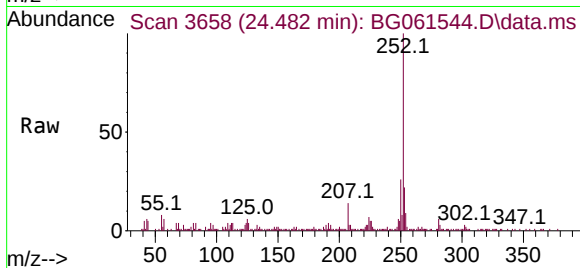
Tgt Ion:	252	Resp:	74219
Ion Ratio	Lower	Upper	
252	100		
253	22.5	16.4	24.6
125	6.2	4.3	6.5

Manual Integrations

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Supervised By :mohammad ahmed 06/10/2024



#94

Indeno(1,2,3-cd)pyrene

Concen: 4.816 ng/ul m

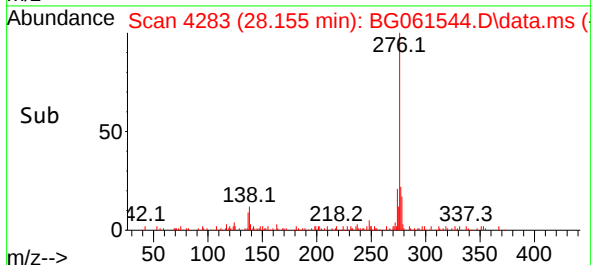
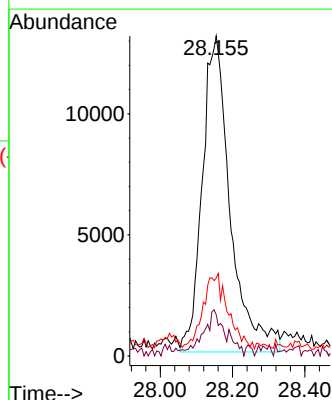
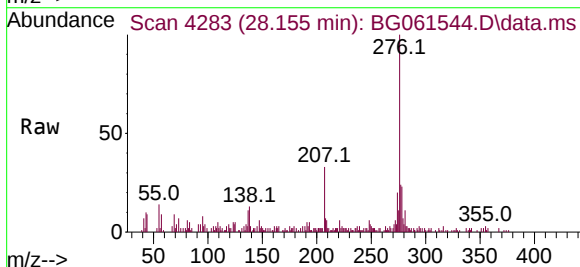
RT: 28.155 min Scan# 4283

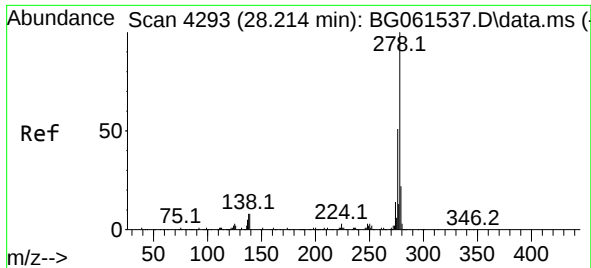
Delta R.T. 0.020 min

Lab File: BG061544.D

Acq: 7 Jun 2024 22:24

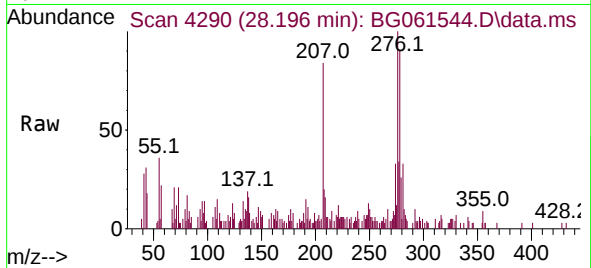
Tgt Ion:	276	Resp:	70357
Ion Ratio	Lower	Upper	
276	100		
138	12.9	8.6	13.0
277	24.4	19.7	29.5





#95
 Dibenzo(a,h)anthracene
 Concen: 1.847 ng/ul m
 RT: 28.196 min Scan# 41
 Delta R.T. 0.026 min
 Lab File: BG061544.D
 Acq: 7 Jun 2024 22:24

Instrument :
 BNA_G
 ClientSampleId :
 A4C26



Tgt Ion:278 Resp: 22254
 Ion Ratio Lower Upper
 278 100
 139 9.0 6.4 9.6
 279 29.3 19.9 29.9

Manual Integrations
 APPROVED

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

