

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG060724\
 Data File : BG061541.D
 Acq On : 7 Jun 2024 20:20
 Operator : MA/JU
 Sample : P2640-04
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 A4C15

Manual Integrations
 APPROVED

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

Quant Time: Jun 07 22:17:12 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	7.869	152	23458	20.000	ng/u1	0.00
20) Naphthalene-d8	10.666	136	93485	20.000	ng/u1	0.00
38) Acenaphthene-d10	14.509	164	72472	20.000	ng/u1	0.00
64) Phenanthrene-d10	17.264	188	165066m	20.000	ng/u1	0.00
79) Chrysene-d12	21.524	240	176947	20.000	ng/u1	0.00
88) Perylene-d12	24.626	264	208705	20.000	ng/u1	0.02
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.328	96	2328	5.554	ng/uL	-0.03
4) Pyridine-d5	3.733	84	17347	11.633	ng/u1	-0.04
7) Phenol-d5	7.059	99	66012	34.267	ng/u1	-0.01
9) Bis-(2-Chloroethyl)eth...	7.200	67	37628	31.077	ng/u1	-0.01
11) 2-Chlorophenol-d4	7.411	132	54698	38.366	ng/u1	0.00
15) 4-Methylphenol-d8	8.592	113	53286	32.440	ng/u1	0.00
21) Nitrobenzene-d5	9.033	128	28425	39.492	ng/u1	0.00
24) 2-Nitrophenol-d4	9.750	143	32363	38.419	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	10.308	165	67962	41.384	ng/u1	0.00
31) 4-Chloroaniline-d4	10.801	131	40557	18.877	ng/u1	0.00
46) Dimethylphthalate-d6	13.915	166	210416	37.435	ng/u1	0.00
49) Acenaphthylene-d8	14.203	160	229850	39.334	ng/u1	0.00
54) 4-Nitrophenol-d4	14.761	143	21186	30.487	ng/u1	0.00
60) Fluorene-d10	15.508	176	182664	37.641	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	15.654	200	29068m	29.116	ng/u1	0.00
73) Anthracene-d10	17.364	188	296872	40.795	ng/u1	0.00
81) Pyrene-d10	19.662	212	322891	35.539	ng/u1	0.00
92) Benzo(a)pyrene-d12	24.415	264	275209	27.429	ng/u1	0.02
Target Compounds						
					Qvalue	
52) Acenaphthene	14.579	153	10234	2.408	ng/u1	94
56) Dibenzofuran	14.908	168	8171	1.344	ng/u1	99
61) Fluorene	15.566	166	11879	2.259	ng/u1	94
72) Phenanthrene	17.305	178	246680m	30.790	ng/u1	
74) Anthracene	17.399	178	42797	5.166	ng/u1	95
77) Carbazole	17.670	167	19710	2.925	ng/u1	97
80) Fluoranthene	19.327	202	464894	42.654	ng/u1	99
82) Pyrene	19.691	202	340732	30.118	ng/u1	97
85) Benzo(a)anthracene	21.506	228	216375	17.722	ng/u1	98
86) Bis(2-ethylhexyl)phtha...	21.412	149	13216	2.297	ng/u1	94
87) Chrysene	21.571	228	225993	20.102	ng/u1	97
90) Benzo(b)fluoranthene	23.651	252	288526	23.219	ng/u1	99
91) Benzo(k)fluoranthene	23.704	252	93230	7.391	ng/u1	94
93) Benzo(a)pyrene	24.485	252	115055	9.751	ng/u1#	93
94) Indeno(1,2,3-cd)pyrene	28.157	276	96854m	6.788	ng/u1	
95) Dibenzo(a,h)anthracene	28.193	278	32244m	2.741	ng/u1	
96) Benzo(g,h,i)perylene	29.244	276	15587m	1.373	ng/u1	

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

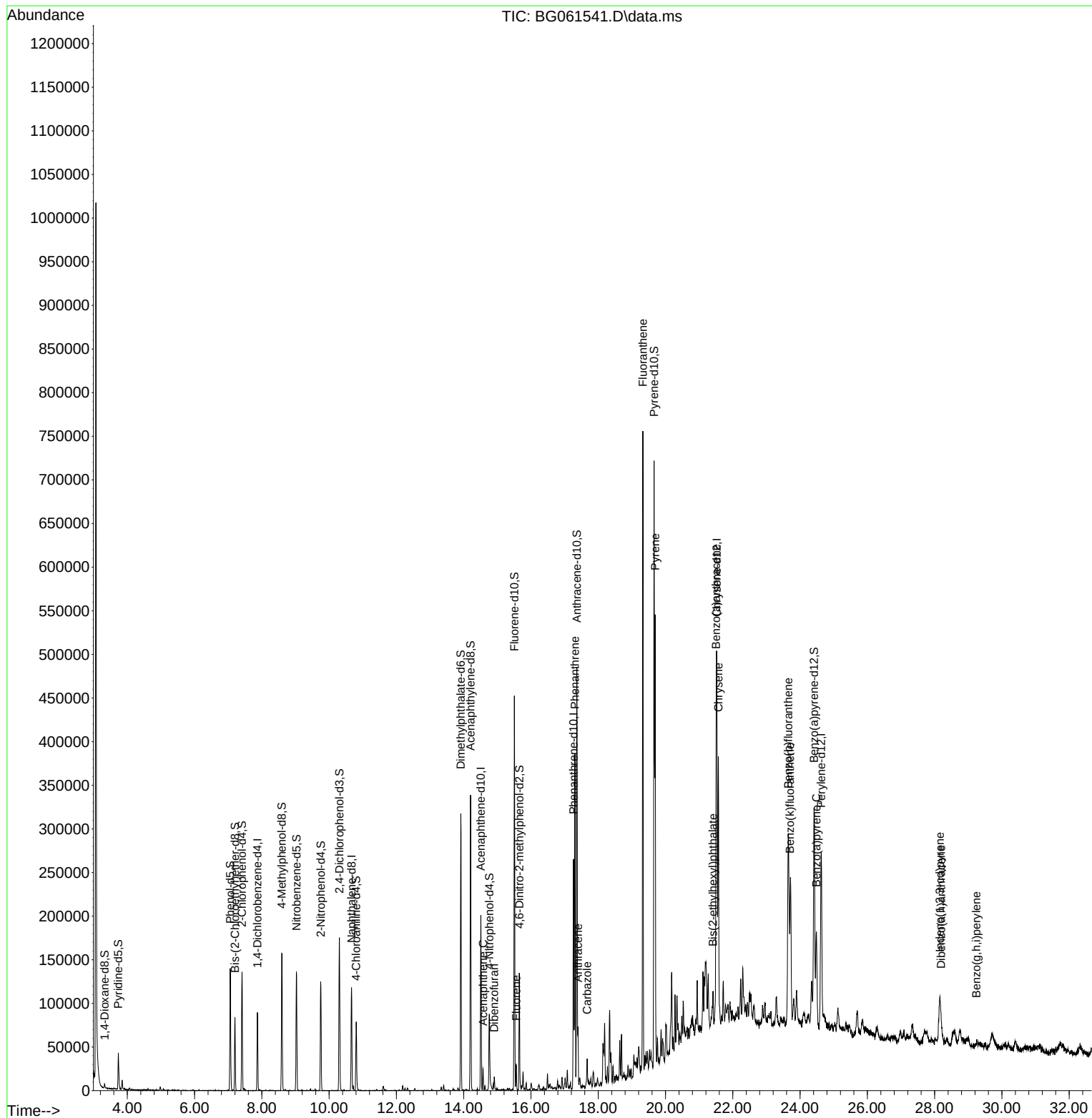
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG060724\
Data File : BG061541.D
Acq On : 7 Jun 2024 20:20
Operator : MA/JU
Sample : P2640-04
Misc :
ALS Vial : 11 Sample Multiplier: 1

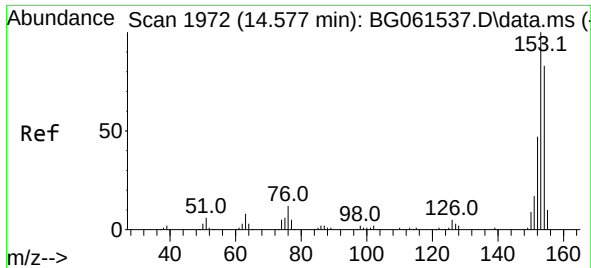
Instrument :
BNA_G
ClientSampleId :
A4C15

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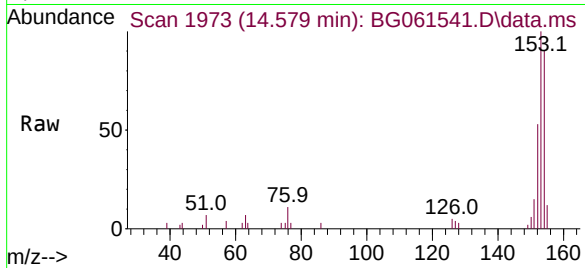
Quant Time: Jun 07 22:17:12 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG052124.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Thu Jun 06 12:15:45 2024
Response via : Initial Calibration





#52
Acenaphthene
Concen: 2.408 ng/u1
RT: 14.579 min Scan# 1972
Delta R.T. 0.005 min
Lab File: BG061541.D
Acq: 7 Jun 2024 20:20

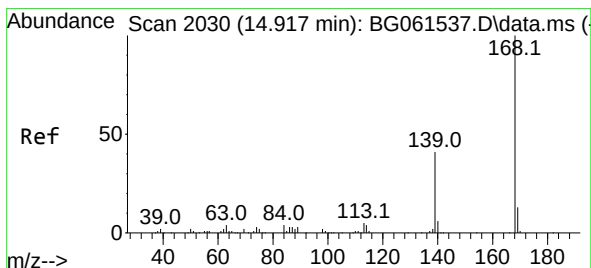
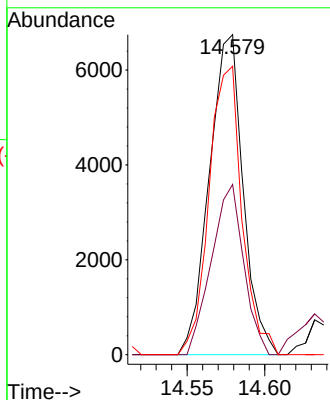
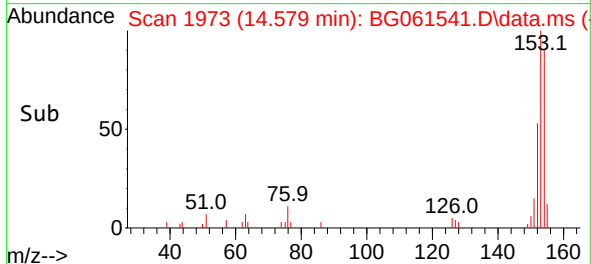
Instrument :
BNA_G
ClientSampleId :
A4C15



Tgt Ion:153 Resp: 10234
Ion Ratio Lower Upper
153 100
152 53.2 37.8 56.8
154 90.2 69.0 103.6

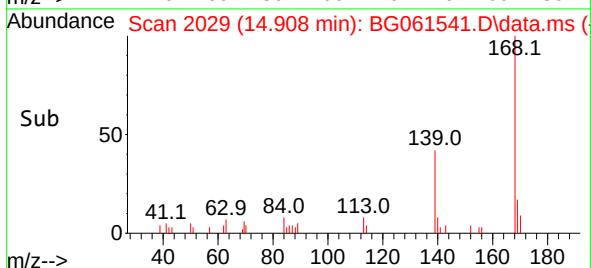
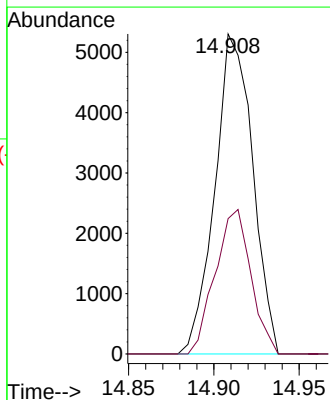
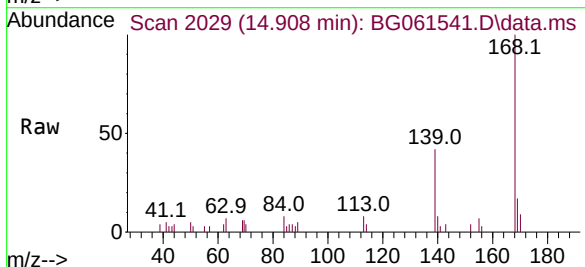
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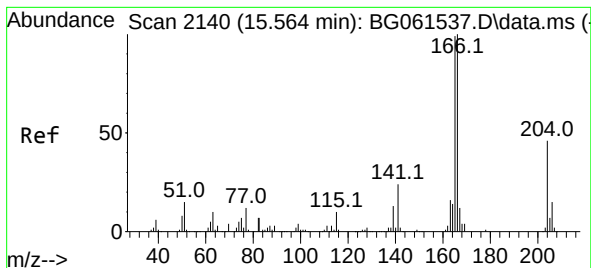
Reviewed By :Yogesh Patel 06/08/2024
Supervised By :mohammad ahmed 06/10/2024



#56
Dibenzofuran
Concen: 1.344 ng/u1
RT: 14.908 min Scan# 2029
Delta R.T. -0.001 min
Lab File: BG061541.D
Acq: 7 Jun 2024 20:20

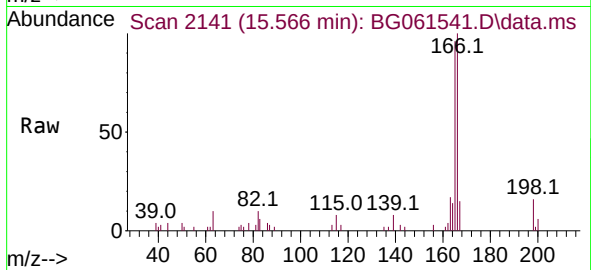
Tgt Ion:168 Resp: 8171
Ion Ratio Lower Upper
168 100
139 42.3 33.4 50.2





#61
Fluorene
Concen: 2.259 ng/ul
RT: 15.566 min Scan# 2141
Delta R.T. 0.005 min
Lab File: BG061541.D
Acq: 7 Jun 2024 20:20

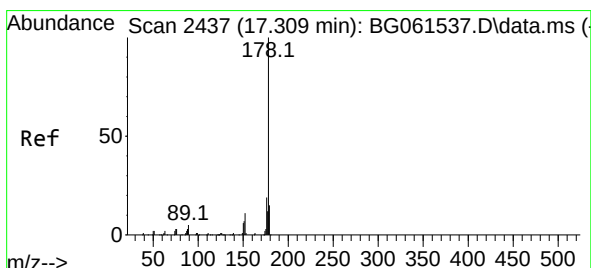
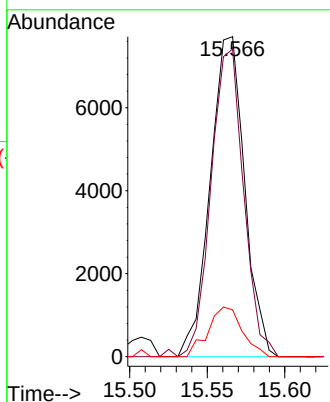
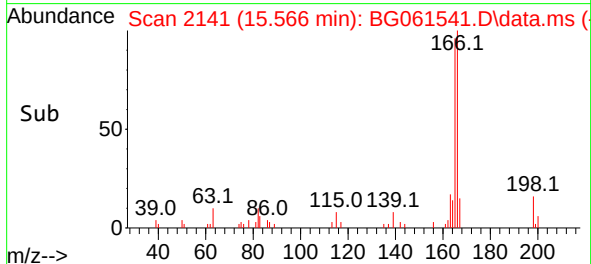
Instrument :
BNA_G
ClientSampleId :
A4C15



Tgt Ion:166 Resp: 11879
Ion Ratio Lower Upper
166 100
165 96.2 81.8 122.8
167 14.7 10.6 16.0

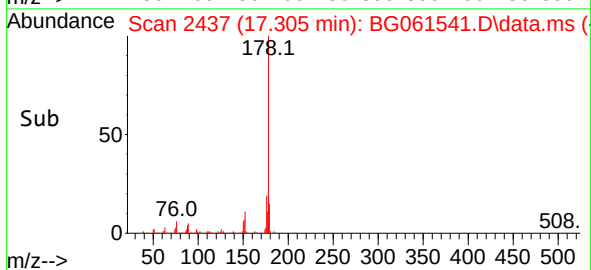
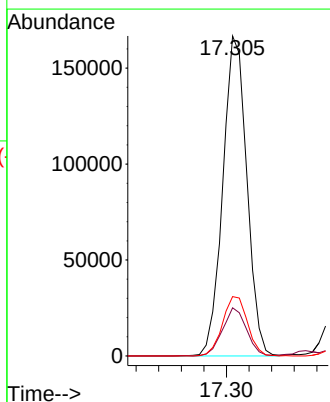
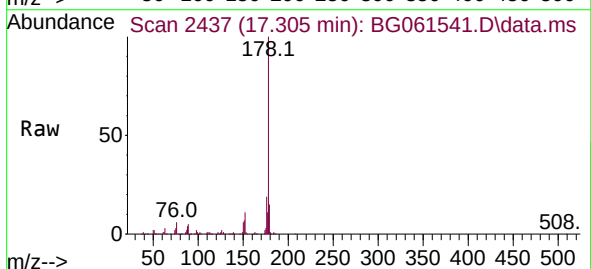
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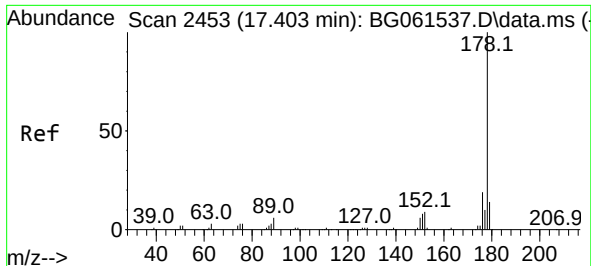
Reviewed By :Yogesh Patel 06/08/2024
Supervised By :mohammad ahmed 06/10/2024



#72
Phenanthrene
Concen: 30.790 ng/ul m
RT: 17.305 min Scan# 2437
Delta R.T. -0.001 min
Lab File: BG061541.D
Acq: 7 Jun 2024 20:20

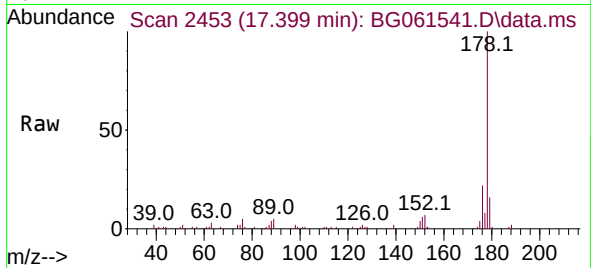
Tgt Ion:178 Resp: 246680
Ion Ratio Lower Upper
178 100
179 15.1 12.7 19.1
176 18.5 15.5 23.3





#74
 Anthracene
 Concen: 5.166 ng/u1
 RT: 17.399 min Scan# 2453
 Delta R.T. 0.005 min
 Lab File: BG061541.D
 Acq: 7 Jun 2024 20:20

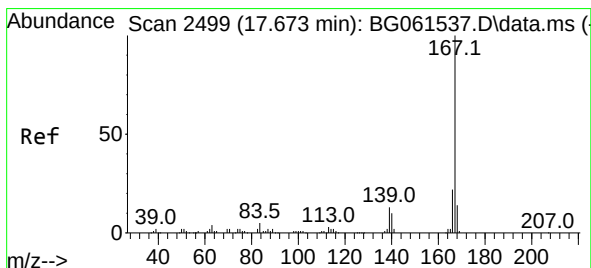
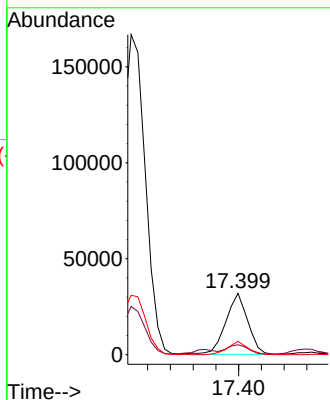
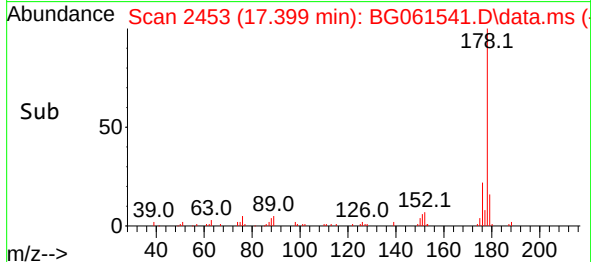
Instrument :
 BNA_G
 ClientSampleId :
 A4C15



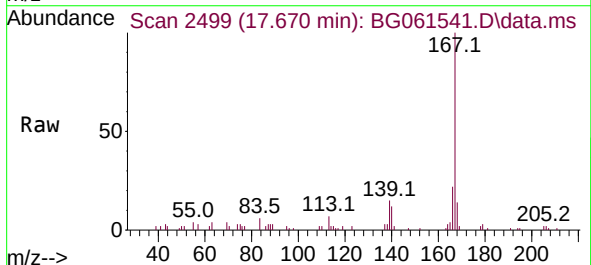
Tgt Ion:178 Resp: 4279
 Ion Ratio Lower Upper
 178 100
 179 16.3 11.8 17.6
 176 21.7 14.9 22.3

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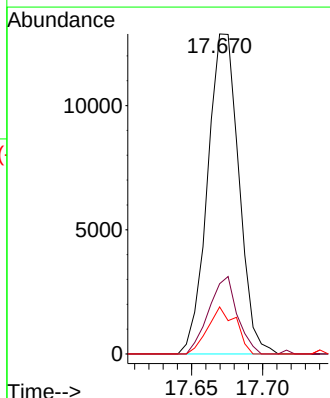
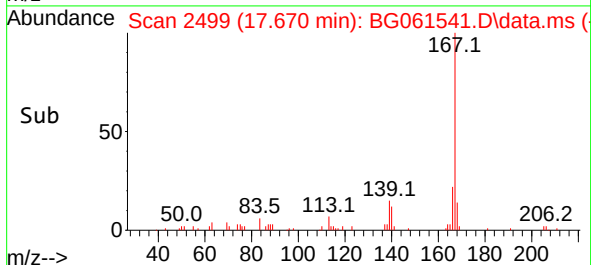
Reviewed By :Yogesh Patel 06/08/2024
 Supervised By :mohammad ahmed 06/10/2024

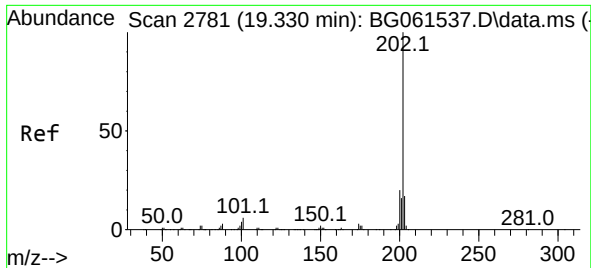


#77
 Carbazole
 Concen: 2.925 ng/u1
 RT: 17.670 min Scan# 2499
 Delta R.T. -0.001 min
 Lab File: BG061541.D
 Acq: 7 Jun 2024 20:20



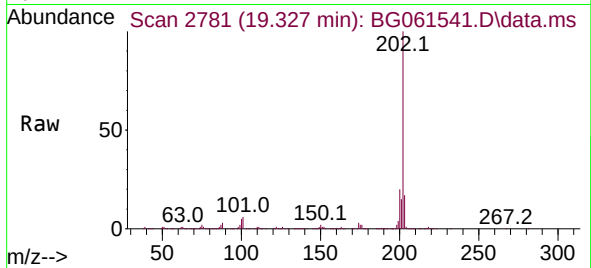
Tgt Ion:167 Resp: 19710
 Ion Ratio Lower Upper
 167 100
 166 22.0 18.6 28.0
 139 14.7 10.6 15.8





#80
Fluoranthene
Concen: 42.654 ng/ul
RT: 19.327 min Scan# 2781
Delta R.T. 0.005 min
Lab File: BG061541.D
Acq: 7 Jun 2024 20:20

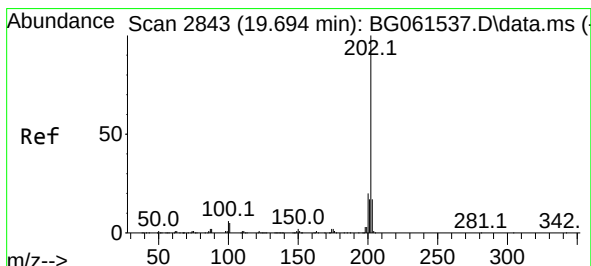
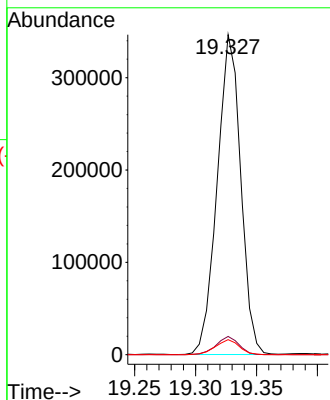
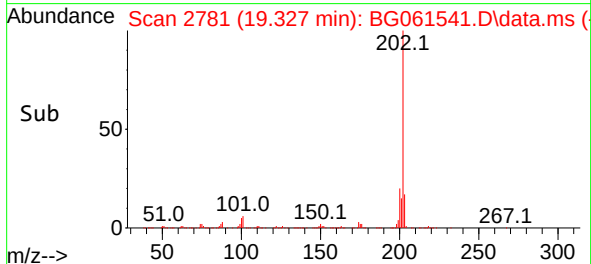
Instrument :
BNA_G
ClientSampleId :
A4C15



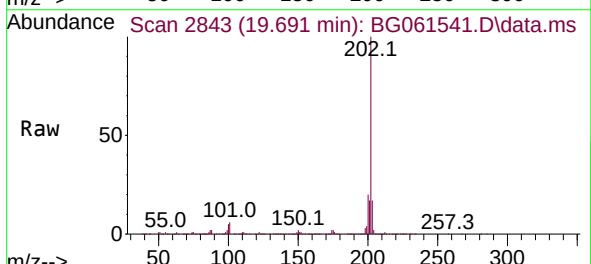
Tgt Ion:202 Resp: 464894
Ion Ratio Lower Upper
202 100
101 5.7 4.8 7.2
100 4.7 4.1 6.1

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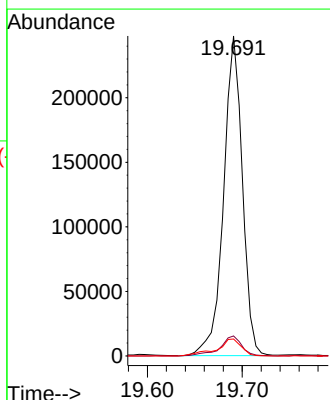
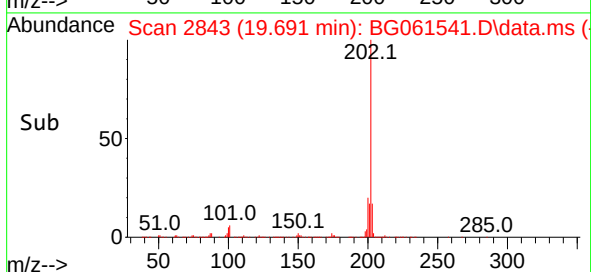
Reviewed By :Yogesh Patel 06/08/2024
Supervised By :mohammad ahmed 06/10/2024

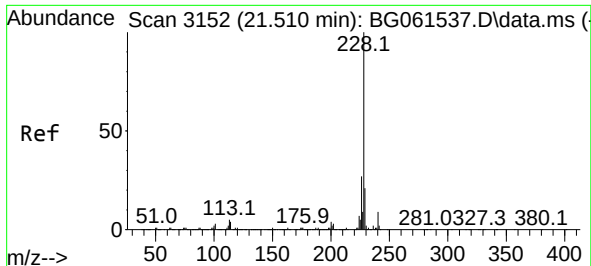


#82
Pyrene
Concen: 30.118 ng/ul
RT: 19.691 min Scan# 2843
Delta R.T. 0.005 min
Lab File: BG061541.D
Acq: 7 Jun 2024 20:20



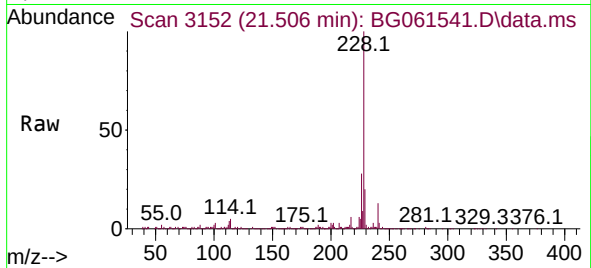
Tgt Ion:202 Resp: 340732
Ion Ratio Lower Upper
202 100
101 6.2 5.7 8.5
100 5.3 5.1 7.7





#85
Benzo(a)anthracene
Concen: 17.722 ng/ul
RT: 21.506 min Scan# 3152
Delta R.T. 0.005 min
Lab File: BG061541.D
Acq: 7 Jun 2024 20:20

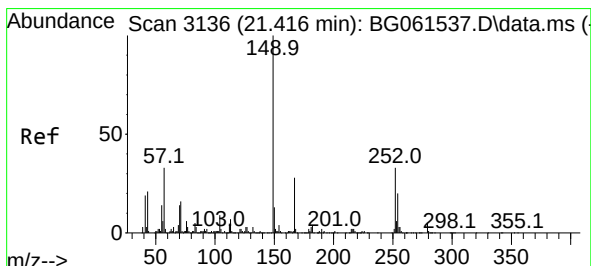
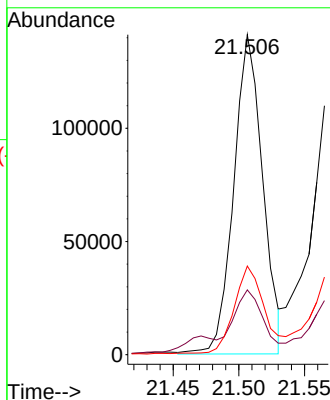
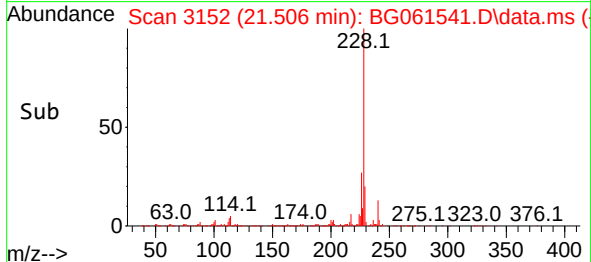
Instrument :
BNA_G
ClientSampleId :
A4C15



Tgt Ion:228 Resp: 21637
Ion Ratio Lower Upper
228 100
229 20.2 15.2 22.8
226 27.7 21.4 32.2

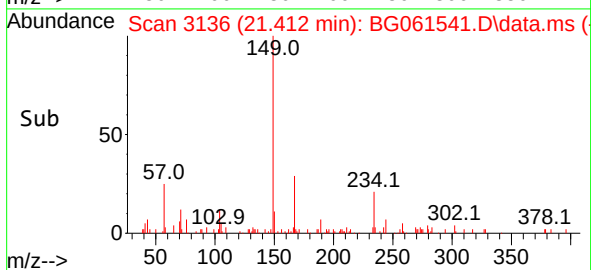
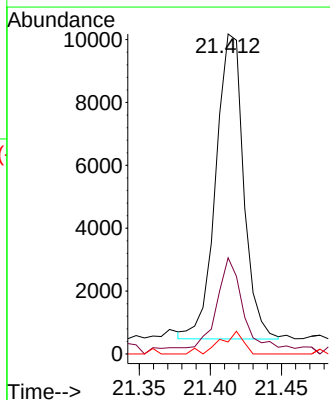
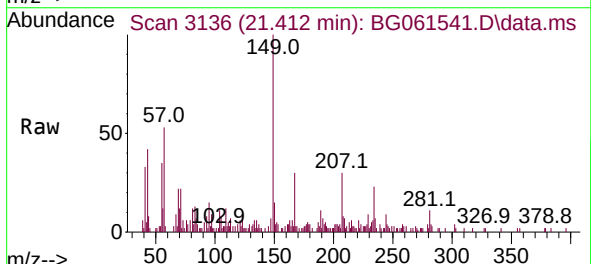
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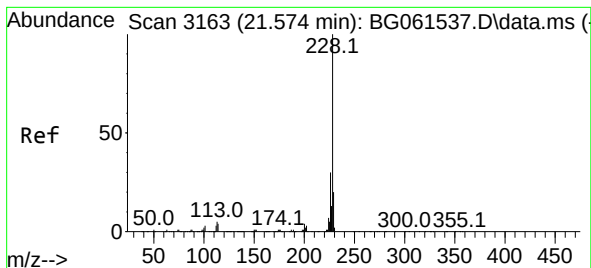
Reviewed By :Yogesh Patel 06/08/2024
Supervised By :mohammad ahmed 06/10/2024



#86
Bis(2-ethylhexyl)phthalate
Concen: 2.297 ng/ul
RT: 21.412 min Scan# 3136
Delta R.T. 0.005 min
Lab File: BG061541.D
Acq: 7 Jun 2024 20:20

Tgt Ion:149 Resp: 13216
Ion Ratio Lower Upper
149 100
167 30.1 21.1 31.7
279 3.8 3.3 4.9





#87

Chrysene

Concen: 20.102 ng/u1

RT: 21.571 min Scan# 3163

Delta R.T. 0.005 min

Lab File: BG061541.D

Acq: 7 Jun 2024 20:20

Instrument :

BNA_G

ClientSampleId :

A4C15

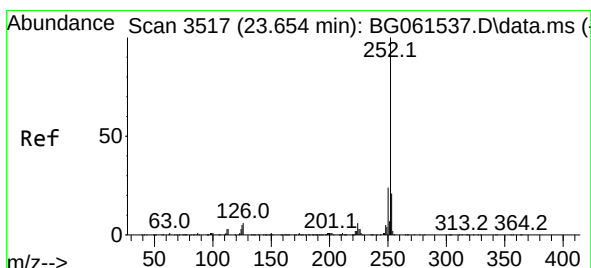
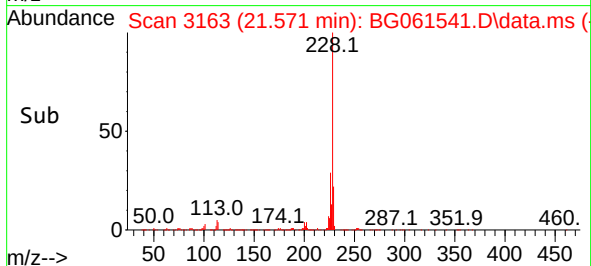
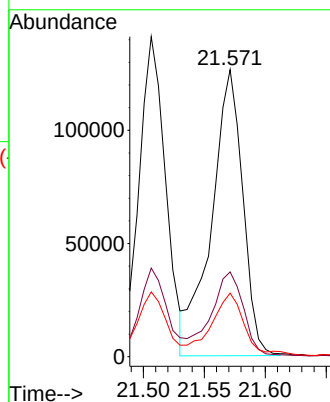
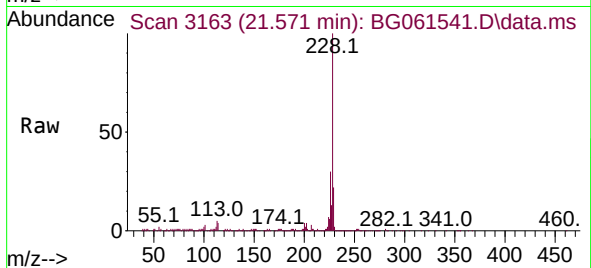
Tgt Ion:	228	Resp:	22599
Ion Ratio	Lower	Upper	
228	100		
226	29.5	23.4	35.0
229	22.2	15.4	23.2

Manual Integrations

APPROVED

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Supervised By :mohammad ahmed 06/10/2024



#90

Benzo(b)fluoranthene

Concen: 23.219 ng/u1

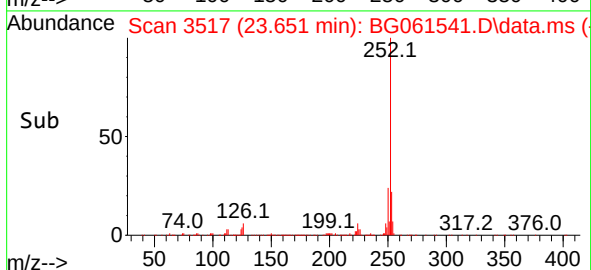
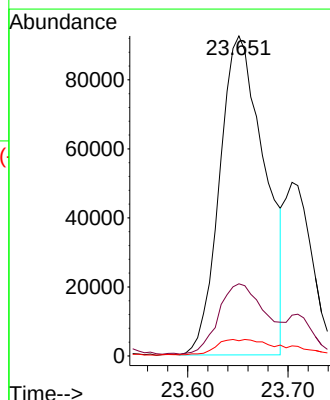
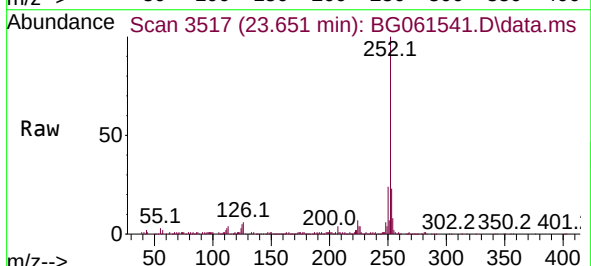
RT: 23.651 min Scan# 3517

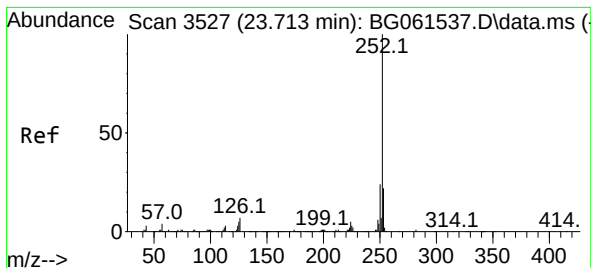
Delta R.T. 0.017 min

Lab File: BG061541.D

Acq: 7 Jun 2024 20:20

Tgt Ion:	252	Resp:	288526
Ion Ratio	Lower	Upper	
252	100		
253	22.6	17.8	26.8
125	4.7	4.6	6.8





#91

Benzo(k)fluoranthene

Concen: 7.391 ng/ul

RT: 23.704 min Scan# 3526

Delta R.T. 0.005 min

Lab File: BG061541.D

Acq: 7 Jun 2024 20:20

Instrument :

BNA_G

ClientSampleId :

A4C15

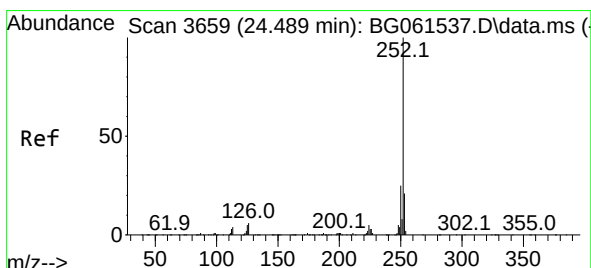
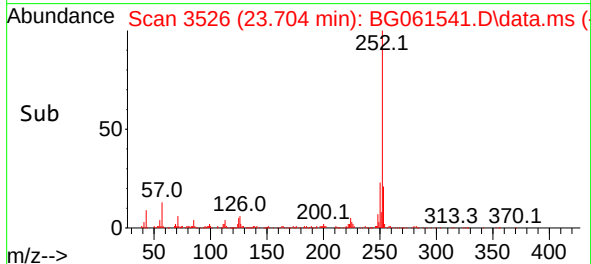
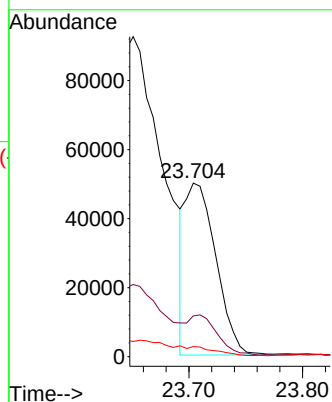
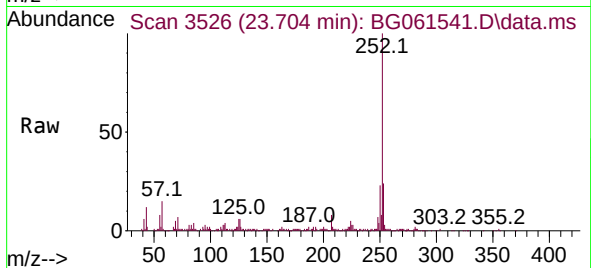
Tgt Ion:	252	Resp:	93230
Ion Ratio	Lower	Upper	
252	100		
253	23.5	16.0	24.0
125	5.8	4.3	6.5

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 06/08/2024

Supervised By :mohammad ahmed 06/10/2024



#93

Benzo(a)pyrene

Concen: 9.751 ng/ul

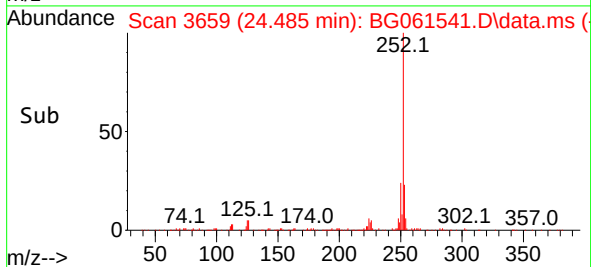
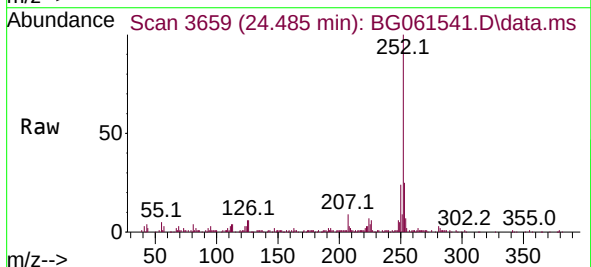
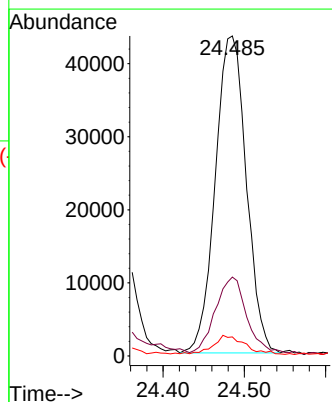
RT: 24.485 min Scan# 3659

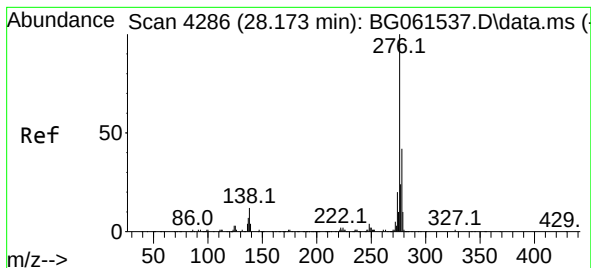
Delta R.T. 0.017 min

Lab File: BG061541.D

Acq: 7 Jun 2024 20:20

Tgt Ion:	252	Resp:	115055
Ion Ratio	Lower	Upper	
252	100		
253	24.7	16.4	24.6
125	6.0	4.3	6.5





#94

Indeno(1,2,3-cd)pyrene

Concen: 6.788 ng/ul m

RT: 28.157 min Scan# 4284

Delta R.T. 0.023 min

Lab File: BG061541.D

Acq: 7 Jun 2024 20:20

Instrument :

BNA_G

ClientSampleId :

A4C15

Tgt Ion:276 Resp: 96854

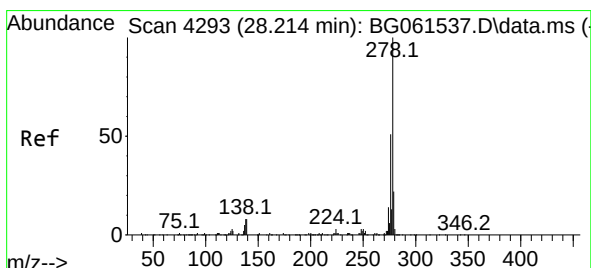
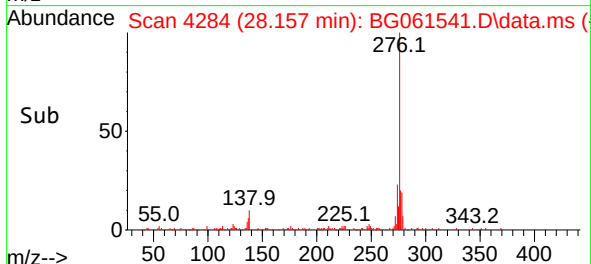
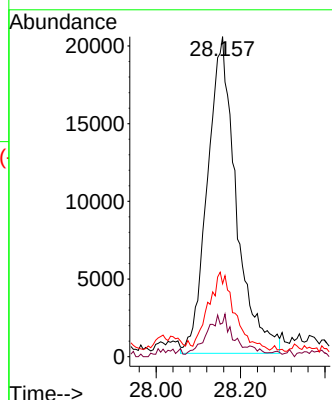
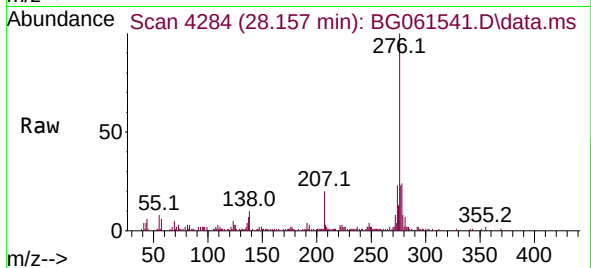
Ion	Ratio	Lower	Upper
276	100		
138	10.5	8.6	13.0
277	22.8	19.7	29.5

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 06/08/2024

Supervised By :mohammad ahmed 06/10/2024



#95

Dibenzo(a,h)anthracene

Concen: 2.741 ng/ul m

RT: 28.193 min Scan# 4290

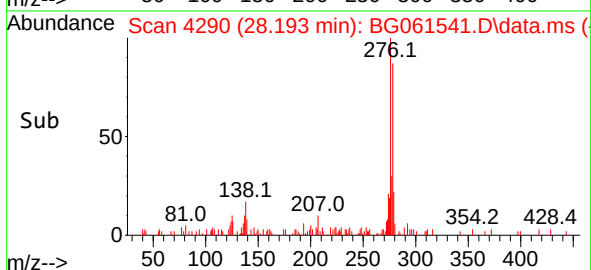
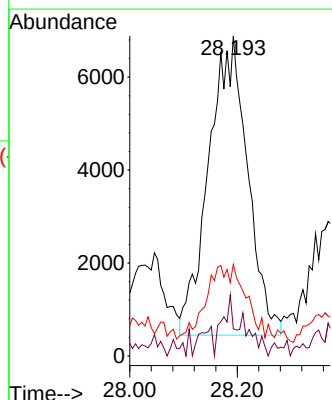
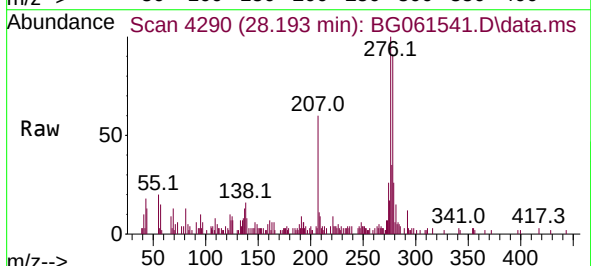
Delta R.T. 0.023 min

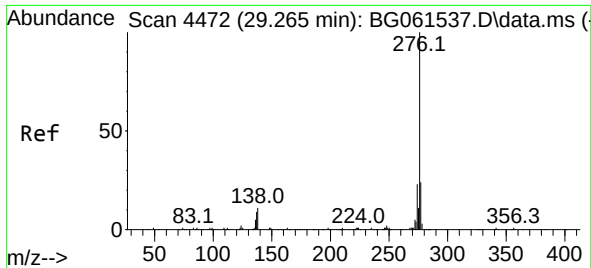
Lab File: BG061541.D

Acq: 7 Jun 2024 20:20

Tgt Ion:278 Resp: 32244

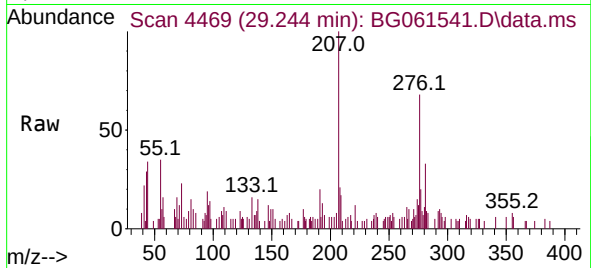
Ion	Ratio	Lower	Upper
278	100		
139	8.5	6.4	9.6
279	28.6	19.9	29.9





#96
 Benzo(g,h,i)perylene
 Concen: 1.373 ng/ul m
 RT: 29.244 min Scan# 44
 Delta R.T. 0.023 min
 Lab File: BG061541.D
 Acq: 7 Jun 2024 20:20

Instrument :
 BNA_G
 ClientSampleId :
 A4C15



Tgt Ion:276 Resp: 1558
 Ion Ratio Lower Upper
 276 100
 138 22.0 8.7 13.1
 277 29.6 18.2 27.2

Manual Integrations
 APPROVED

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

