

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG062724\
 Data File : BG061767.D
 Acq On : 28 Jun 2024 11:28
 Operator : MA/JU
 Sample : P2934-01
 Misc :
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 A4B58

Manual Integrations
 APPROVED

Reviewed By :Jagrut Upadhyay 06/28/2024
 Supervised By :mohammad ahmed 06/29/2024

Quant Time: Jun 28 12:35:32 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	8.053	152	77019	20.000	ng/u1	0.00
20) Naphthalene-d8	10.868	136	375106	20.000	ng/u1	0.00
38) Acenaphthene-d10	14.681	164	241902	20.000	ng/u1	0.00
64) Phenanthrene-d10	17.425	188	546092	20.000	ng/u1	0.00
79) Chrysene-d12	21.690	240	432925	20.000	ng/u1	0.00
88) Perylene-d12	24.904	264	488449	20.000	ng/u1	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.453	96	9217	4.323	ng/uL	0.00
4) Pyridine-d5	3.876	84	18104	2.809	ng/u1	0.00
7) Phenol-d5	7.196	99	175754	21.020	ng/u1	0.00
9) Bis-(2-Chloroethyl)eth...	7.378	67	109778	21.062	ng/u1	0.00
11) 2-Chlorophenol-d4	7.583	132	118160	20.594	ng/u1	0.00
15) 4-Methylphenol-d8	8.747	113	84976	13.147	ng/u1	0.00
21) Nitrobenzene-d5	9.211	128	60738	23.847	ng/u1	-0.01
24) 2-Nitrophenol-d4	9.939	143	70157	27.197	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	10.474	165	133735	21.895	ng/u1	0.00
31) 4-Chloroaniline-d4	10.997	131	69165	7.479	ng/u1	0.00
46) Dimethylphthalate-d6	14.087	166	440272	23.651	ng/u1	0.00
49) Acenaphthylene-d8	14.375	160	494634	24.246	ng/u1	0.00
54) 4-Nitrophenol-d4	14.857	143	59354	18.565	ng/u1	0.00
60) Fluorene-d10	15.674	176	402393	24.692	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	15.780	200	49240	21.087	ng/u1	0.00
73) Anthracene-d10	17.525	188	622288	24.964	ng/u1	0.00
81) Pyrene-d10	19.804	212	609318	25.197	ng/u1	0.00
92) Benzo(a)pyrene-d12	24.681	264	425987	18.260	ng/u1	0.00
Target Compounds						
					Qvalue	
16) Acetophenone	8.876	105	38991	3.663	ng/u1	89
52) Acenaphthene	14.746	153	18486	1.172	ng/u1#	82
61) Fluorene	15.727	166	20229	1.108	ng/u1#	91
72) Phenanthrene	17.472	178	350476	12.199	ng/u1	97
74) Anthracene	17.560	178	67755	2.306	ng/u1	98
77) Carbazole	17.824	167	28495	1.142	ng/u1	95
78) Di-n-butylphthalate	18.388	149	39920	1.338	ng/u1#	90
80) Fluoranthene	19.475	202	518914	18.494	ng/u1	99
82) Pyrene	19.834	202	395833	13.268	ng/u1	98
85) Benzo(a)anthracene	21.667	228	227858	7.498	ng/u1	97
87) Chrysene	21.731	228	220537	7.670	ng/u1	99
90) Benzo(b)fluoranthene	23.888	252	279092	9.505	ng/u1	97
91) Benzo(k)fluoranthene	23.935	252	113434m	3.756	ng/u1	
93) Benzo(a)pyrene	24.751	252	122703	4.341	ng/u1#	95
94) Indeno(1,2,3-cd)pyrene	28.559	276	106591m	3.026	ng/u1	
95) Dibenzo(a,h)anthracene	28.629	278	37935m	1.295	ng/u1	

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

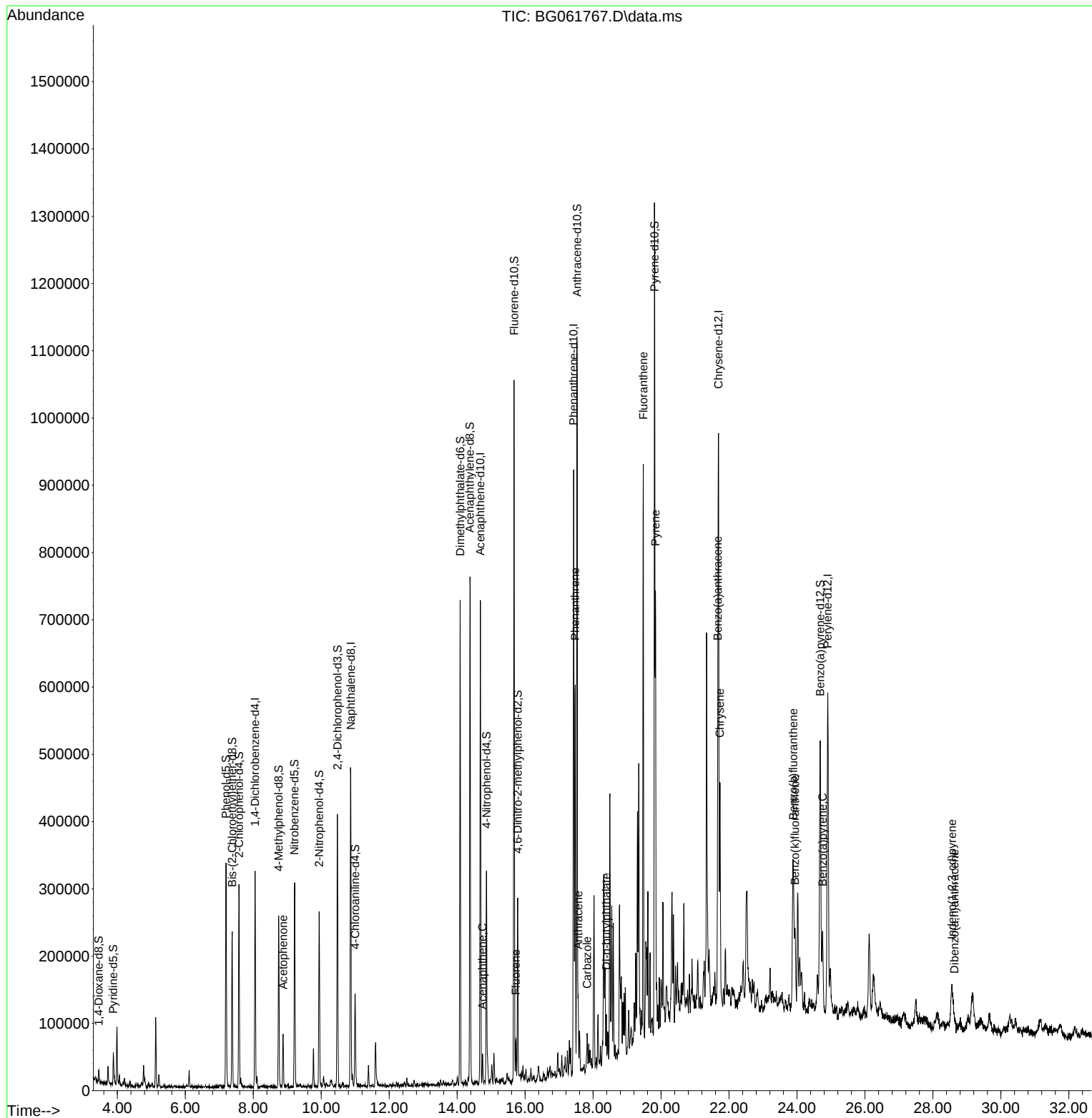
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG062724\
Data File : BG061767.D
Acq On : 28 Jun 2024 11:28
Operator : MA/JU
Sample : P2934-01
Misc :
ALS Vial : 34 Sample Multiplier: 1

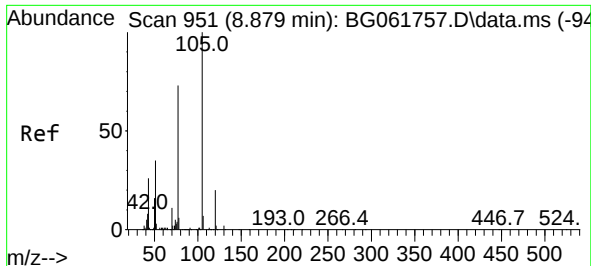
Instrument :
BNA_G
ClientSampleId :
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Quant Title : SVOA CALIBRATION
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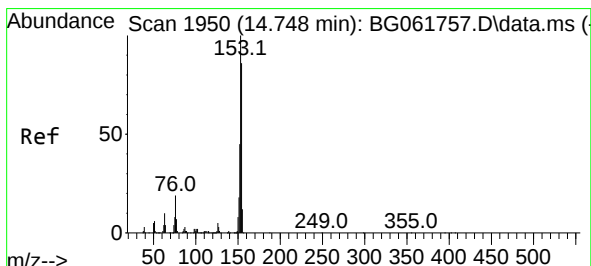
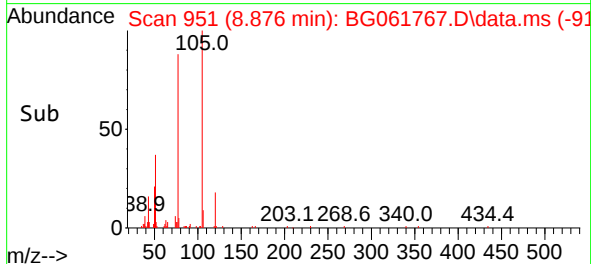
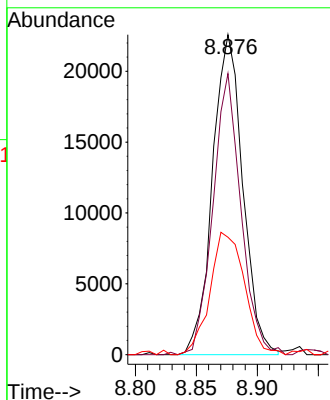
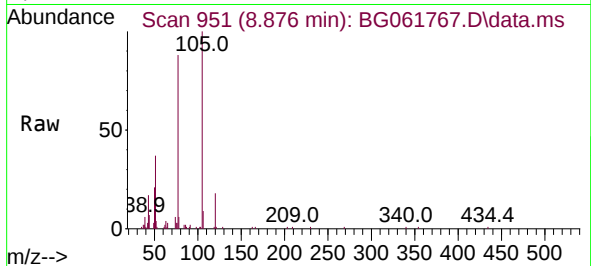
#16
Acetophenone
Concen: 3.663 ng/ul
RT: 8.876 min Scan# 91
Delta R.T. -0.006 min
Lab File: BG061767.D
Acq: 28 Jun 2024 11:28

Instrument :
BNA_G
ClientSampleId :
A4B58

Tgt Ion:105 Resp: 3899
Ion Ratio Lower Upper
105 100
77 87.8 60.4 90.6
51 36.7 31.1 46.7

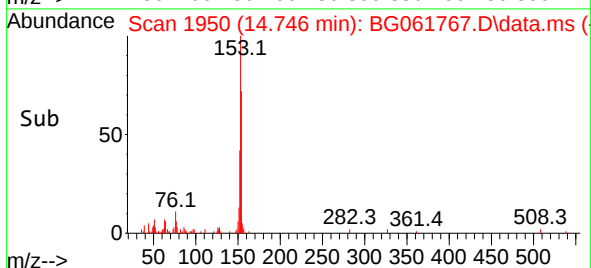
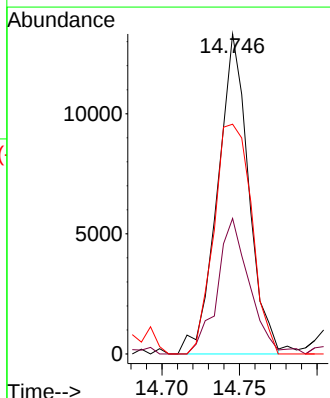
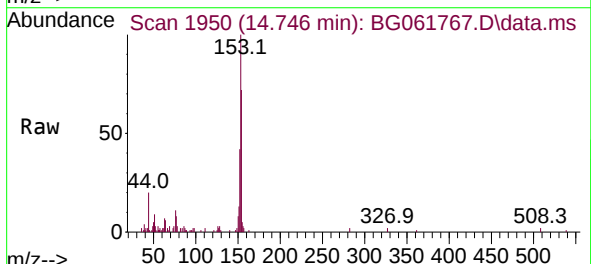
Manual Integrations
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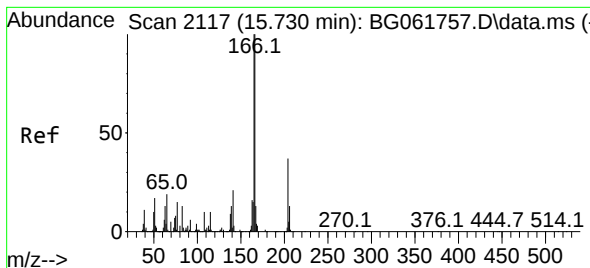
Reviewed By :Jagrut Upadhyay 06/28/2024
Supervised By :mohammad ahmed 06/29/2024



#52
Acenaphthene
Concen: 1.172 ng/ul
RT: 14.746 min Scan# 1950
Delta R.T. -0.006 min
Lab File: BG061767.D
Acq: 28 Jun 2024 11:28

Tgt Ion:153 Resp: 18486
Ion Ratio Lower Upper
153 100
152 42.4 40.0 60.0
154 71.8 74.1 111.1#





#61

Fluorene

Concen: 1.108 ng/ul

RT: 15.727 min Scan# 2117

Delta R.T. -0.006 min

Lab File: BG061767.D

Acq: 28 Jun 2024 11:28

Instrument :

BNA_G

ClientSampleId :

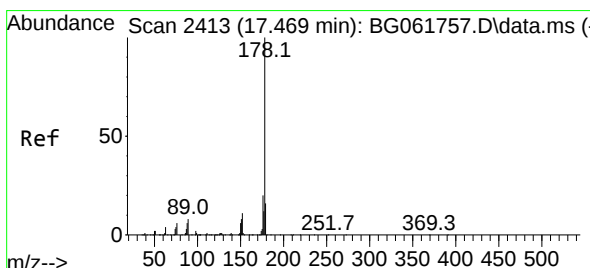
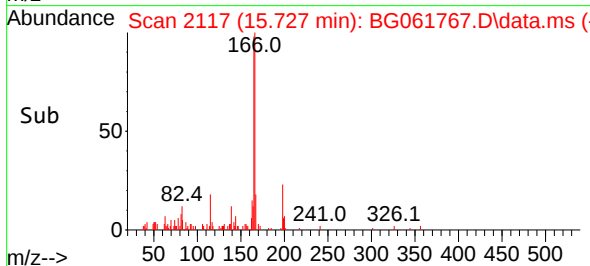
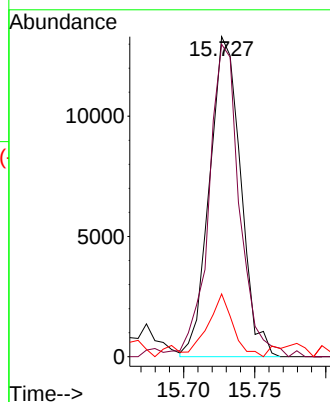
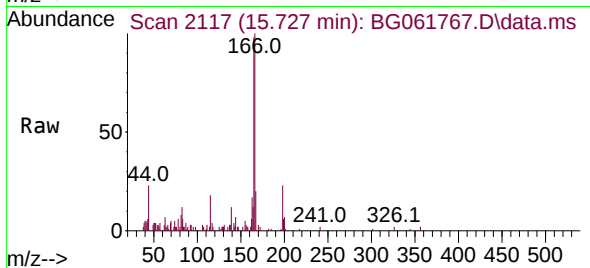
A4B58

Tgt Ion:	166	Resp:	20229
Ion Ratio	Lower	Upper	
166	100		
165	97.6	84.9	127.3
167	19.6	10.9	16.3

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#72

Phenanthrene

Concen: 12.199 ng/ul

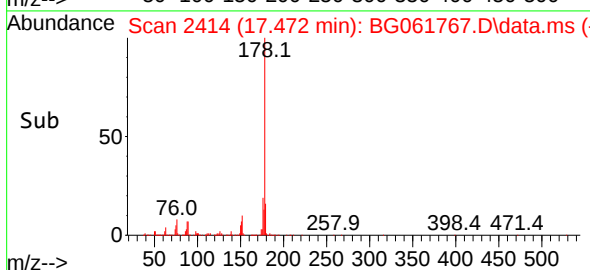
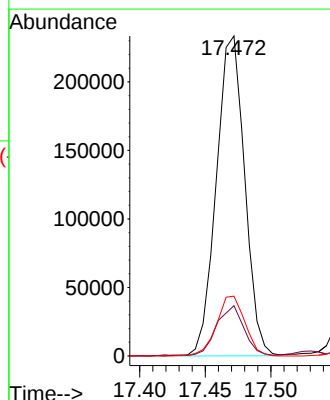
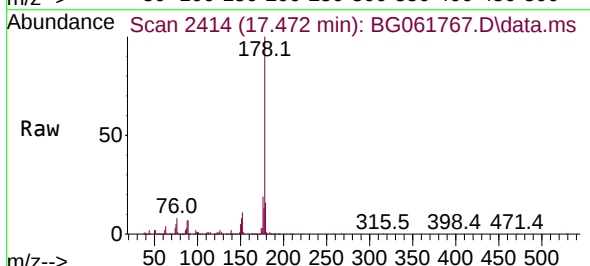
RT: 17.472 min Scan# 2414

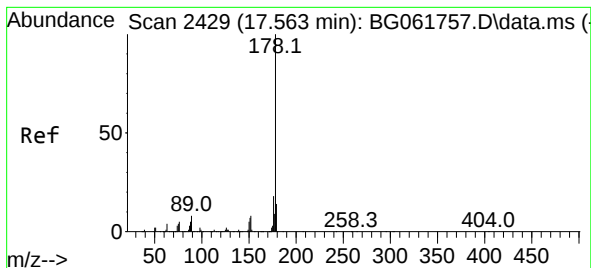
Delta R.T. 0.000 min

Lab File: BG061767.D

Acq: 28 Jun 2024 11:28

Tgt Ion:	178	Resp:	350476
Ion Ratio	Lower	Upper	
178	100		
179	15.7	12.0	18.0
176	18.7	16.2	24.2





#74

Anthracene

Concen: 2.306 ng/ul

RT: 17.560 min Scan# 2429

Delta R.T. -0.006 min

Lab File: BG061767.D

Acq: 28 Jun 2024 11:28

Instrument :

BNA_G

ClientSampleId :

A4B58

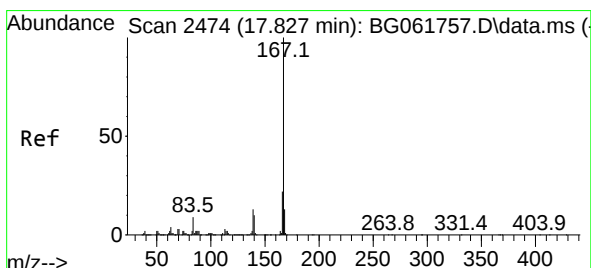
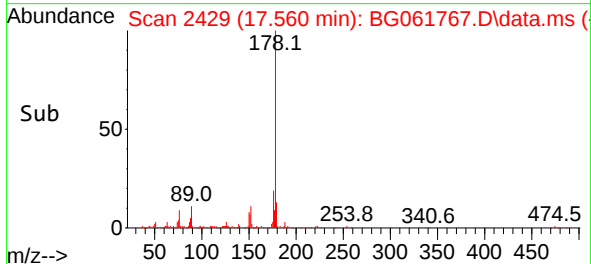
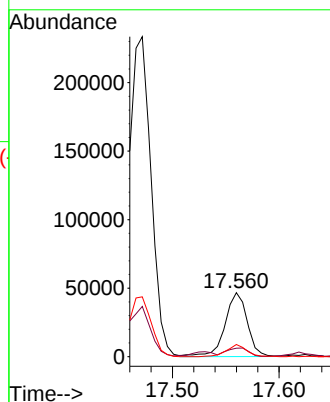
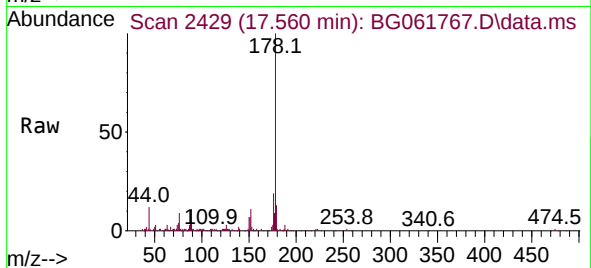
Tgt Ion:178 Resp: 6775

Ion	Ratio	Lower	Upper
178	100		
179	13.4	11.4	17.2
176	19.1	14.7	22.1

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#77

Carbazole

Concen: 1.142 ng/ul

RT: 17.824 min Scan# 2474

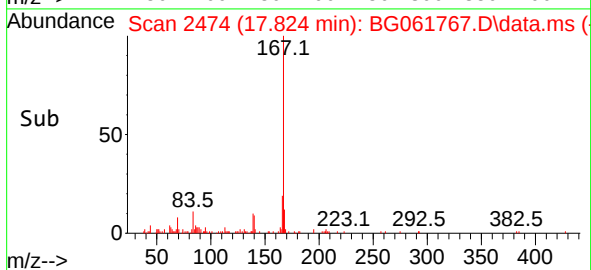
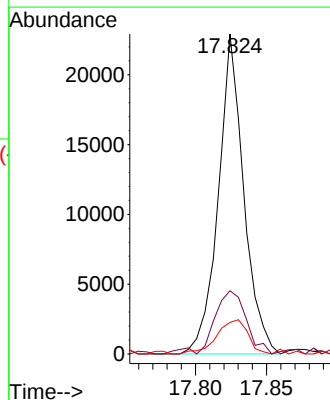
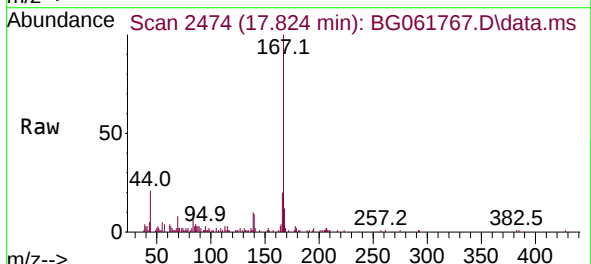
Delta R.T. -0.006 min

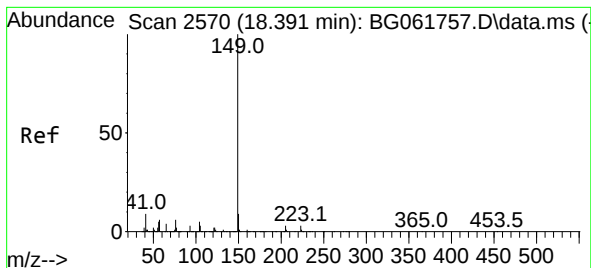
Lab File: BG061767.D

Acq: 28 Jun 2024 11:28

Tgt Ion:167 Resp: 28495

Ion	Ratio	Lower	Upper
167	100		
166	19.8	17.5	26.3
139	9.9	9.4	14.2





#78

Di-n-butylphthalate

Concen: 1.338 ng/ul

RT: 18.388 min Scan# 21

Delta R.T. -0.006 min

Lab File: BG061767.D

Acq: 28 Jun 2024 11:28

Instrument :

BNA_G

ClientSampleId :

A4B58

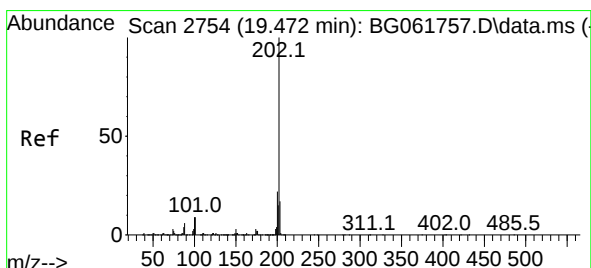
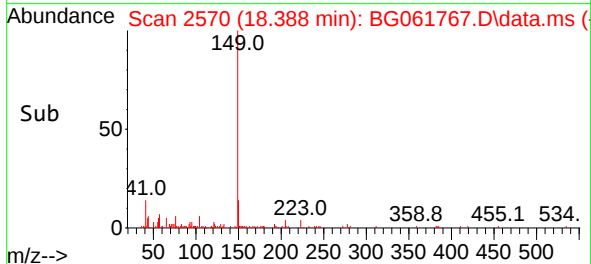
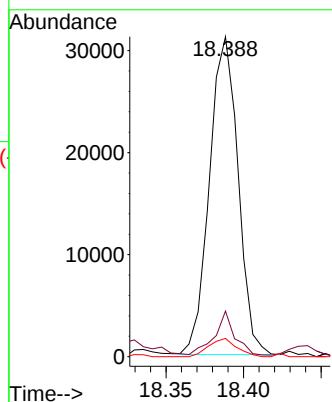
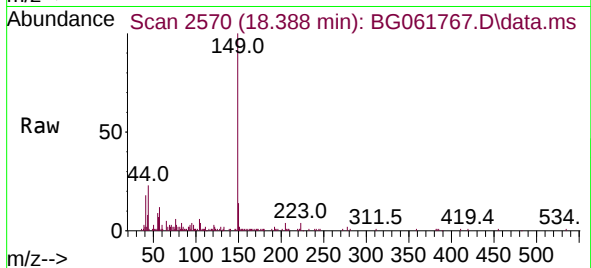
Tgt Ion:149 Resp: 39920

Ion	Ratio	Lower	Upper
149	100		
150	14.3	6.7	10.1
104	5.7	4.6	6.8

Manual Integrations

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#80

Fluoranthene

Concen: 18.494 ng/ul

RT: 19.475 min Scan# 2755

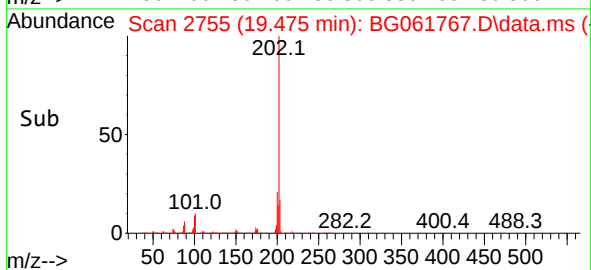
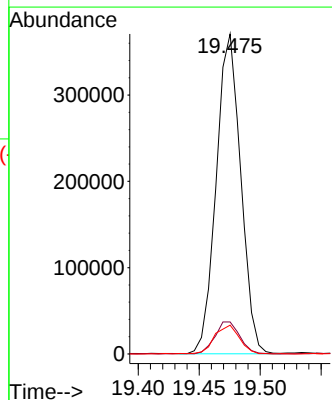
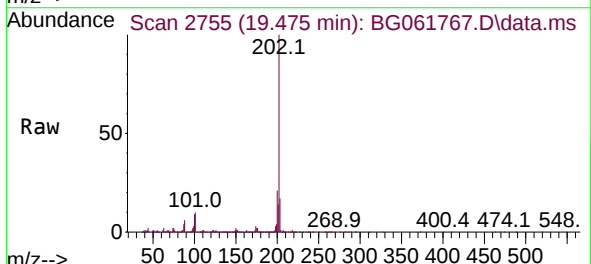
Delta R.T. 0.000 min

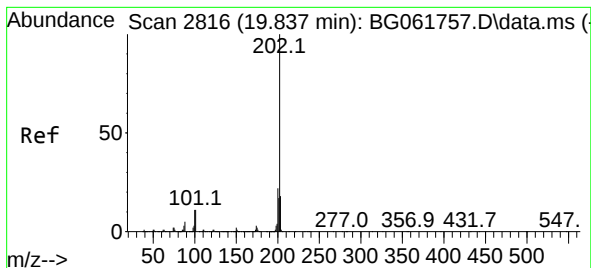
Lab File: BG061767.D

Acq: 28 Jun 2024 11:28

Tgt Ion:202 Resp: 518914

Ion	Ratio	Lower	Upper
202	100		
101	10.0	7.8	11.6
100	9.0	7.7	11.5





#82

Pyrene

Concen: 13.268 ng/ul

RT: 19.834 min Scan# 21

Delta R.T. -0.006 min

Lab File: BG061767.D

Acq: 28 Jun 2024 11:28

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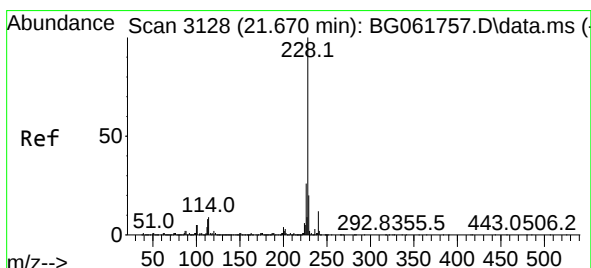
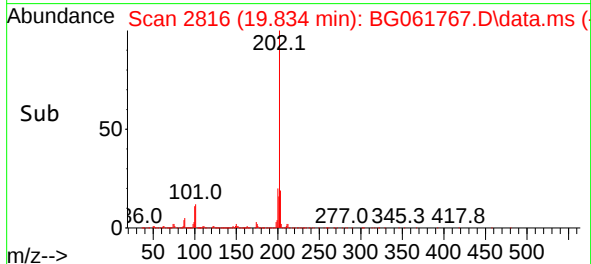
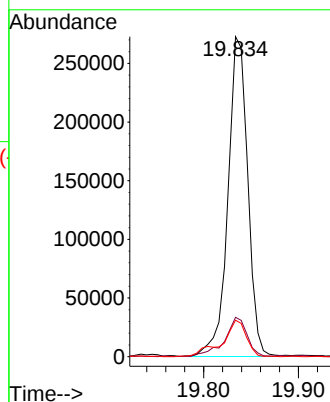
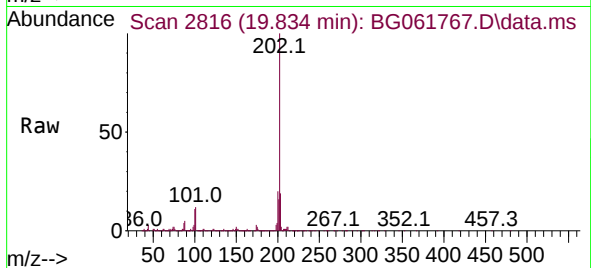
Tgt Ion:202 Resp: 39583

Ion	Ratio	Lower	Upper
202	100		
101	12.3	10.1	15.1
100	11.4	9.9	14.9

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#85

Benzo(a)anthracene

Concen: 7.498 ng/ul

RT: 21.667 min Scan# 3128

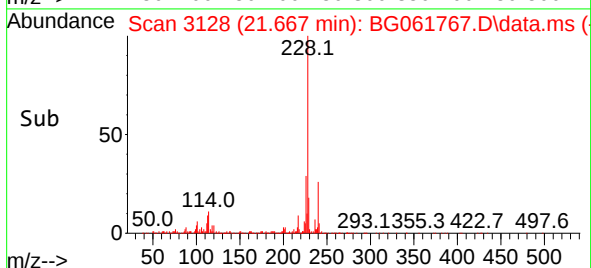
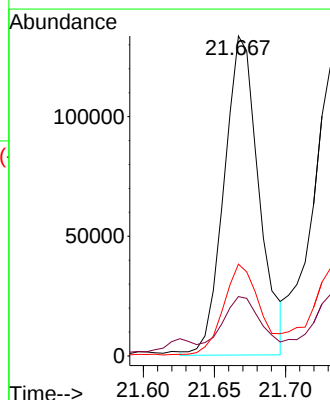
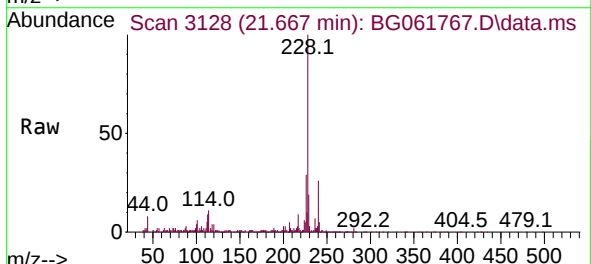
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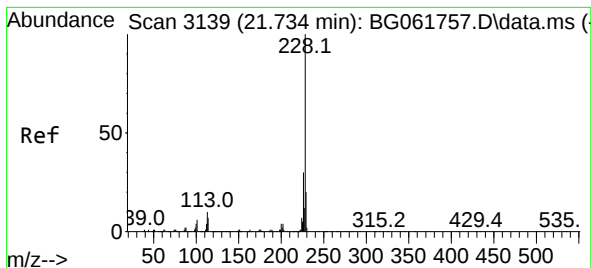
Lab File: BG061767.D

Acq: 28 Jun 2024 11:28

Tgt Ion:228 Resp: 227858

Ion	Ratio	Lower	Upper
228	100		
229	18.5	15.8	23.8
226	28.7	21.4	32.2





#87

Chrysene

Concen: 7.670 ng/u1

RT: 21.731 min Scan# 31

Delta R.T. -0.006 min

Lab File: BG061767.D

Acq: 28 Jun 2024 11:28

Instrument :

BNA_G

ClientSampleId :

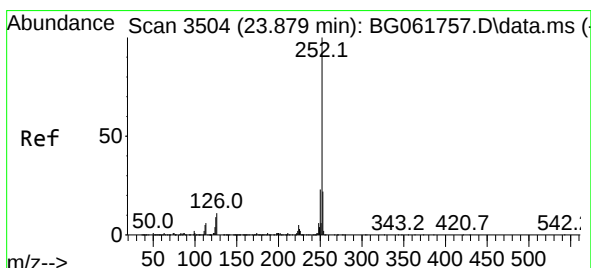
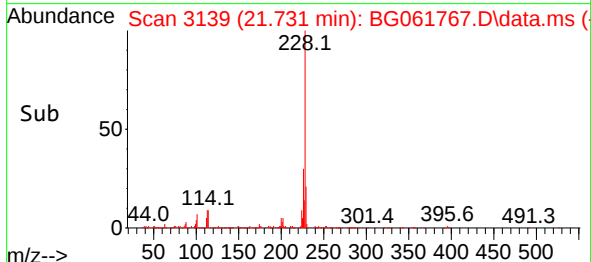
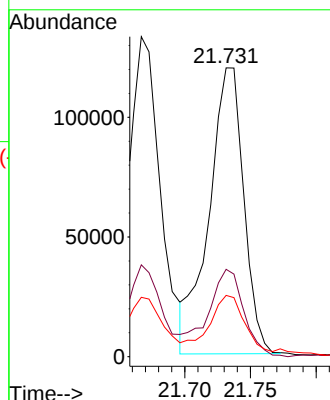
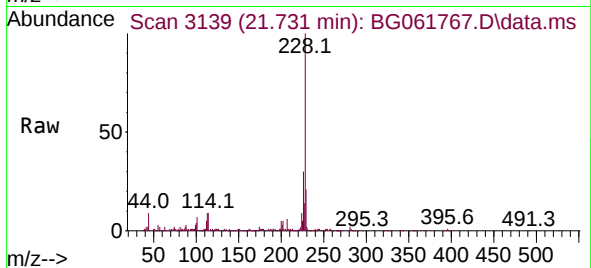
A4B58

Tgt Ion:	228	Resp:	22053
Ion Ratio	Lower	Upper	
228	100		
226	30.3	24.2	36.2
229	21.3	16.5	24.7

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#90

Benzo(b)fluoranthene

Concen: 9.505 ng/u1

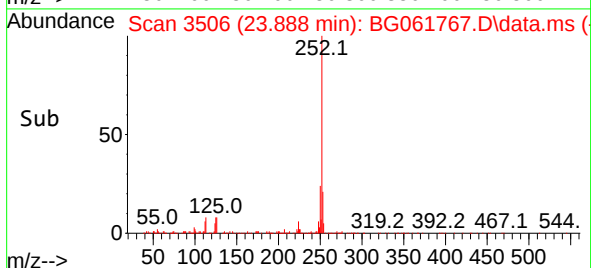
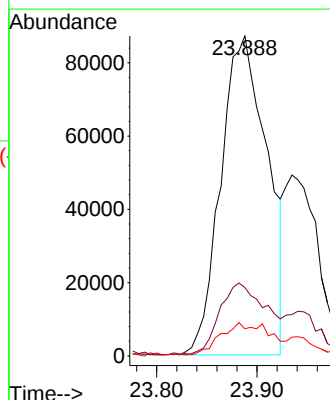
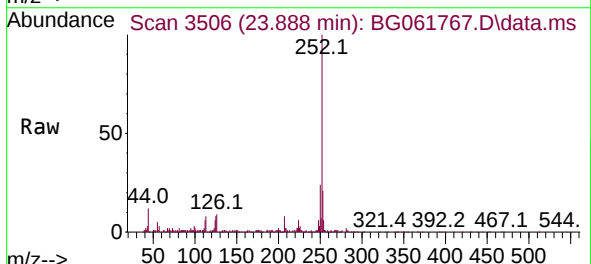
RT: 23.888 min Scan# 3506

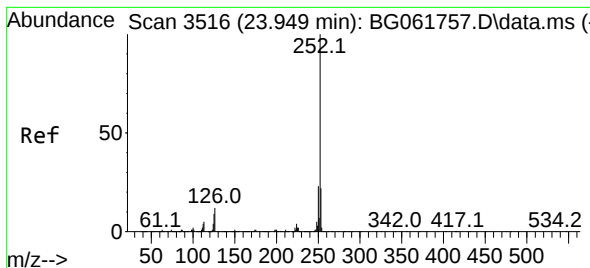
Delta R.T. 0.000 min

Lab File: BG061767.D

Acq: 28 Jun 2024 11:28

Tgt Ion:	252	Resp:	279092
Ion Ratio	Lower	Upper	
252	100		
253	21.4	18.6	27.8
125	8.5	7.0	10.6





#91

Benzo(k)fluoranthene

Concen: 3.756 ng/ul m

RT: 23.935 min Scan# 3

Delta R.T. -0.023 min

Lab File: BG061767.D

Acq: 28 Jun 2024 11:28

Instrument :

BNA_G

ClientSampleId :

A4B58

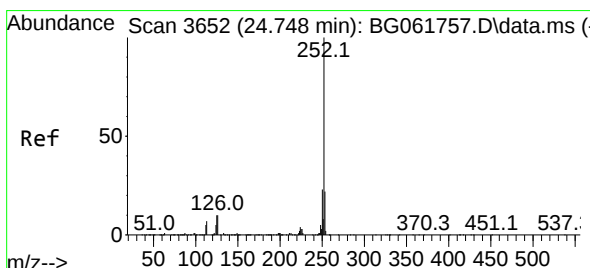
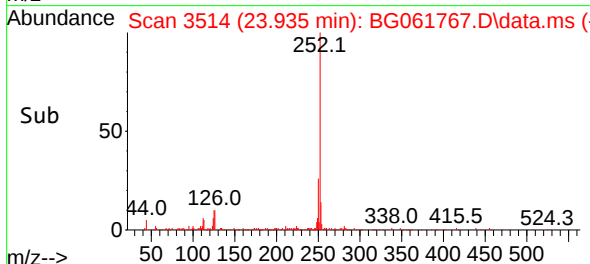
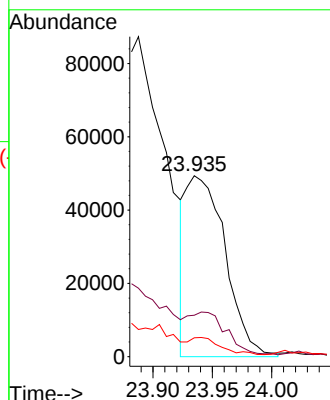
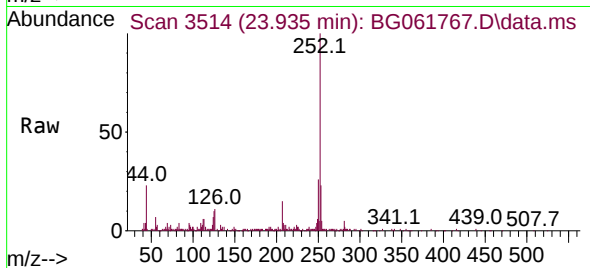
Tgt Ion:252 Resp: 113434

Ion	Ratio	Lower	Upper
252	100		
253	22.9	17.8	26.6
125	10.5	6.2	9.2

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 06/28/2024
Supervised By :mohammad ahmed 06/29/2024



#93

Benzo(a)pyrene

Concen: 4.341 ng/ul

RT: 24.751 min Scan# 3653

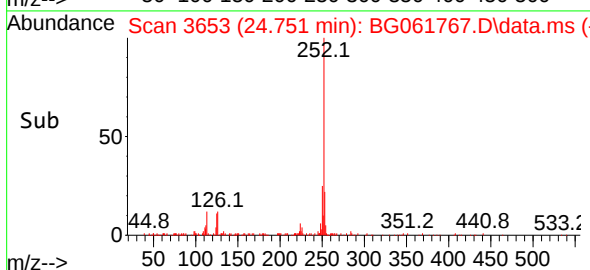
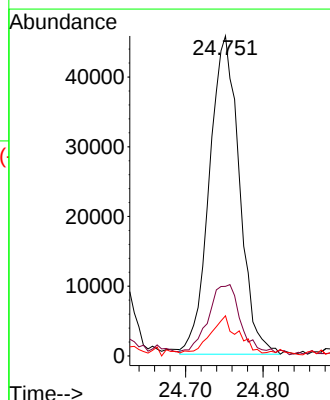
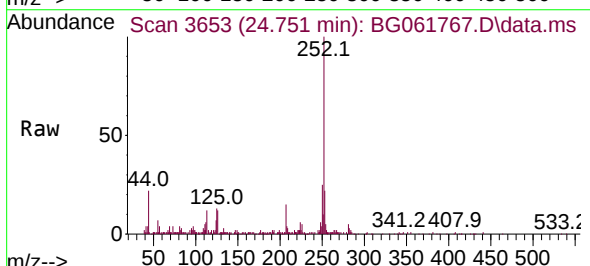
Delta R.T. -0.012 min

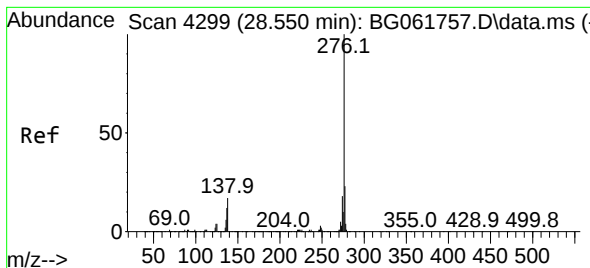
Lab File: BG061767.D

Acq: 28 Jun 2024 11:28

Tgt Ion:252 Resp: 122703

Ion	Ratio	Lower	Upper
252	100		
253	21.7	16.8	25.2
125	12.5	6.5	9.7





#94

Indeno(1,2,3-cd)pyrene

Concen: 3.026 ng/ul m

RT: 28.559 min Scan# 41

Delta R.T. -0.006 min

Lab File: BG061767.D

Acq: 28 Jun 2024 11:28

Instrument :

BNA_G

ClientSampleId :

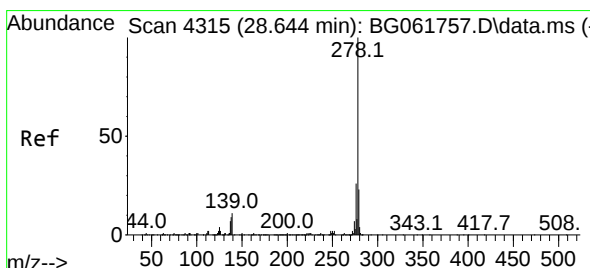
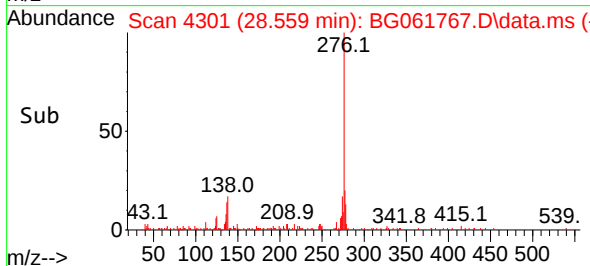
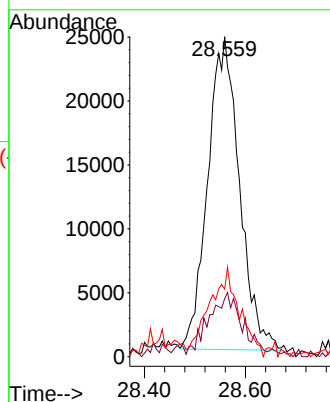
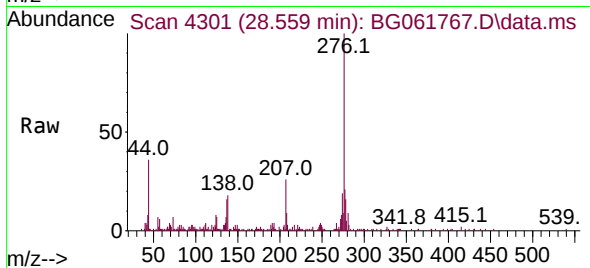
A4B58

Tgt Ion:276 Resp: 10659
 Ion Ratio Lower Upper
 276 100
 138 18.2 12.2 18.4
 277 21.1 19.7 29.5

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 06/28/2024
 Supervised By :mohammad ahmed 06/29/2024



#95

Dibenzo(a,h)anthracene

Concen: 1.295 ng/ul m

RT: 28.629 min Scan# 4313

Delta R.T. -0.006 min

Lab File: BG061767.D

Acq: 28 Jun 2024 11:28

Tgt Ion:278 Resp: 37935
 Ion Ratio Lower Upper
 278 100
 139 15.1 9.1 13.7#
 279 29.8 18.6 28.0#

