

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG072224\
 Data File : BG062167.D
 Acq On : 22 Jul 2024 18:57
 Operator : MA/JU
 Sample : P3263-08
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 A4BB1

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 07/23/2024
 Supervised By :mohammad ahmed 07/25/2024

Quant Time: Jul 22 23:24:09 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG071924.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Fri Jul 19 14:38:52 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.066	152	33965	20.000	ng/u1	0.00
20) Naphthalene-d8	10.879	136	147872	20.000	ng/u1	# 0.00
38) Acenaphthene-d10	14.692	164	132480	20.000	ng/u1	0.00
64) Phenanthrene-d10	17.435	188	345196	20.000	ng/u1	0.00
79) Chrysene-d12	21.700	240	324880	20.000	ng/u1	0.00
88) Perylene-d12	24.925	264	344217	20.000	ng/u1	-0.01
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.454	96	2888	3.970	ng/uL	0.00
4) Pyridine-d5	3.883	84	8804	3.331	ng/u1	0.00
7) Phenol-d5	7.237	99	75677	22.632	ng/u1	0.00
9) Bis-(2-Chloroethyl)eth...	7.384	67	41534	21.618	ng/u1	0.00
11) 2-Chlorophenol-d4	7.601	132	48052	22.803	ng/u1	0.00
15) 4-Methylphenol-d8	8.782	113	60793	23.872	ng/u1	0.00
21) Nitrobenzene-d5	9.235	128	25198	21.388	ng/u1	0.00
24) 2-Nitrophenol-d4	9.957	143	32140	22.666	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	10.503	165	71894	24.220	ng/u1	0.00
31) 4-Chloroaniline-d4	11.015	131	54839	15.357	ng/u1	0.00
46) Dimethylphthalate-d6	14.093	166	245072	21.825	ng/u1	0.00
49) Acenaphthylene-d8	14.392	160	265146	23.287	ng/u1	0.00
54) 4-Nitrophenol-d4	14.915	143	29268	21.629	ng/u1	0.00
60) Fluorene-d10	15.685	176	228221	23.871	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	15.802	200	42791	19.506	ng/u1	-0.01
73) Anthracene-d10	17.535	188	382863	23.743	ng/u1	0.00
81) Pyrene-d10	19.820	212	401505	21.797	ng/u1	0.00
92) Benzo(a)pyrene-d12	24.702	264	283406	16.470	ng/u1	-0.02
Target Compounds					Qvalue	
72) Phenanthrene	17.482	178	98137	5.908	ng/u1	97
74) Anthracene	17.570	178	22163m	1.296	ng/u1	
80) Fluoranthene	19.485	202	199663	9.449	ng/u1	99
82) Pyrene	19.844	202	137691	6.267	ng/u1	99
85) Benzo(a)anthracene	21.677	228	97819	4.290	ng/u1	97
86) Bis(2-ethylhexyl)phtha...	21.565	149	10794	1.155	ng/u1#	82
87) Chrysene	21.741	228	90434	4.314	ng/u1	94
90) Benzo(b)fluoranthene	23.903	252	109734m	5.160	ng/u1	
91) Benzo(k)fluoranthene	23.962	252	36661	1.727	ng/u1#	85
93) Benzo(a)pyrene	24.778	252	42968	2.157	ng/u1#	90
94) Indeno(1,2,3-cd)pyrene	28.620	276	40372m	1.764	ng/u1	

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

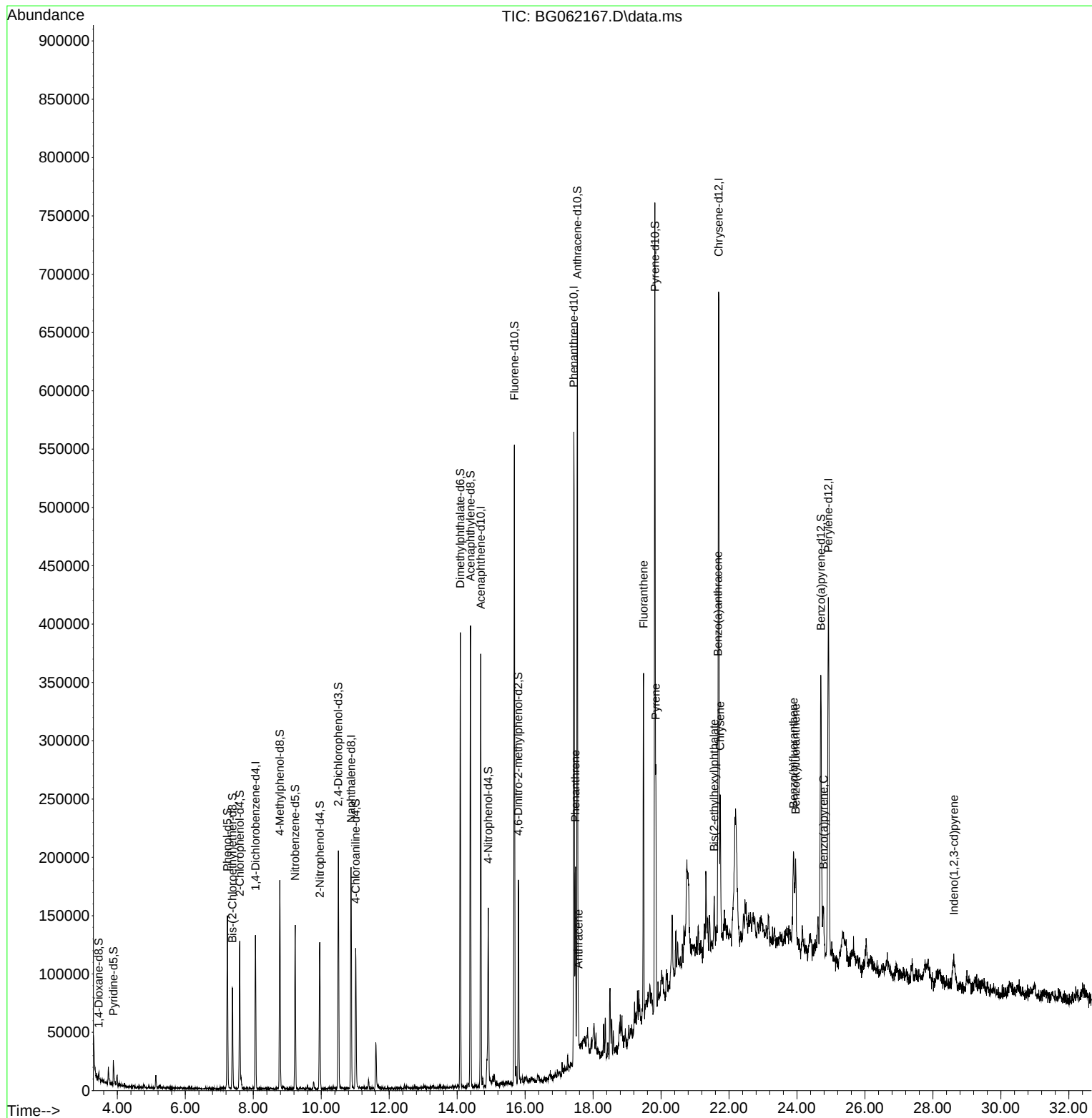
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG072224\
Data File : BG062167.D
Acq On : 22 Jul 2024 18:57
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ALS Vial : 5 Sample Multiplier: 1

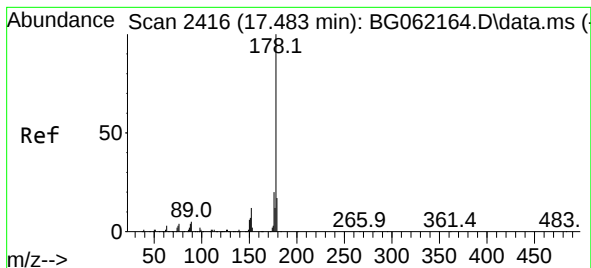
Instrument :
BNA_G
ClientSampleId :
A4BB1

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Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG071924.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Fri Jul 19 14:38:52 2024
Response via : Initial Calibration





#72

Phenanthrene

Concen: 5.908 ng/ul

RT: 17.482 min Scan# 2416

Delta R.T. 0.002 min

Lab File: BG062167.D

Acq: 22 Jul 2024 18:57

Instrument :

BNA_G

ClientSampleId :

A4BB1

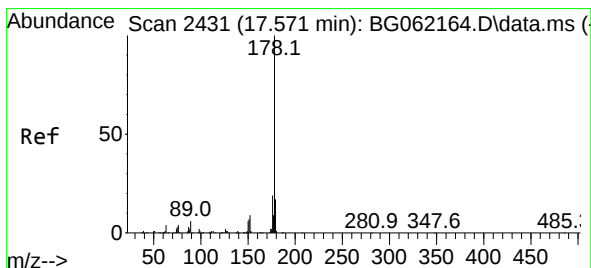
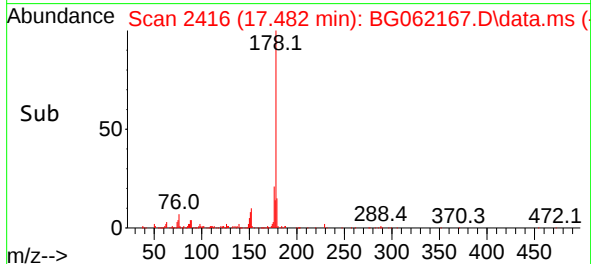
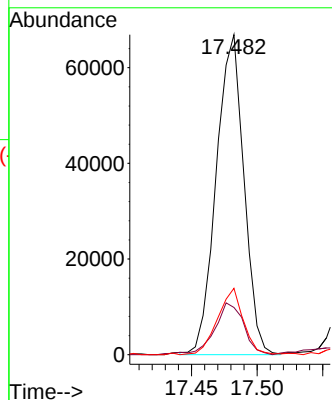
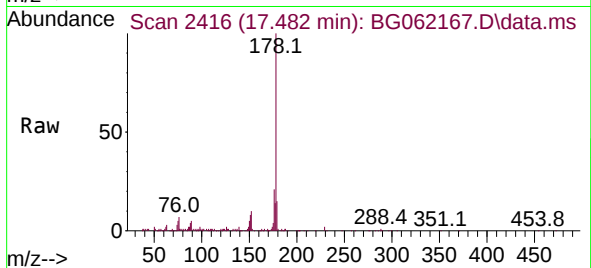
Tgt Ion:178	Resp:	9813
Ion Ratio	Lower	Upper
178	100	
179	14.7	14.1 21.1
176	20.7	16.3 24.5

Manual Integrations

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#74

Anthracene

Concen: 1.296 ng/ul m

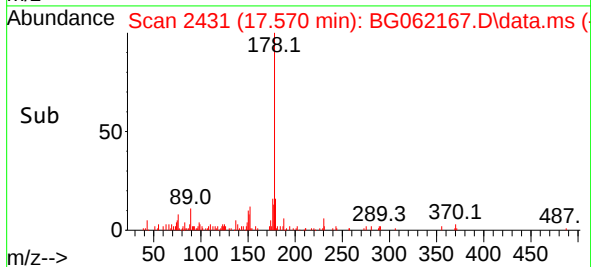
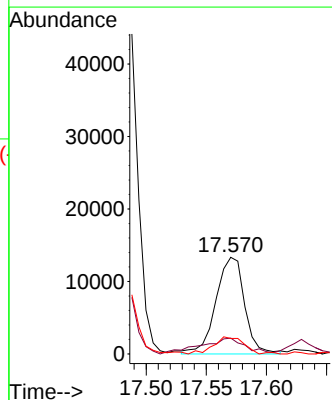
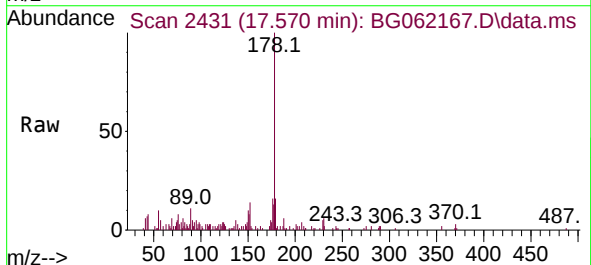
RT: 17.570 min Scan# 2431

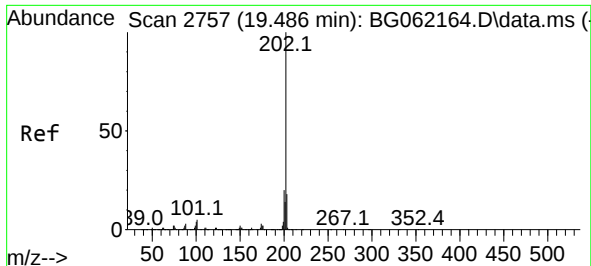
Delta R.T. -0.004 min

Lab File: BG062167.D

Acq: 22 Jul 2024 18:57

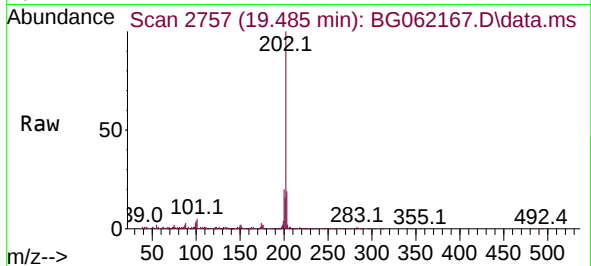
Tgt Ion:178	Resp:	22163
Ion Ratio	Lower	Upper
178	100	
179	16.4	13.9 20.9
176	16.0	16.3 24.5#





#80
Fluoranthene
Concen: 9.449 ng/u1
RT: 19.485 min Scan# 21
Delta R.T. 0.002 min
Lab File: BG062167.D
Acq: 22 Jul 2024 18:57

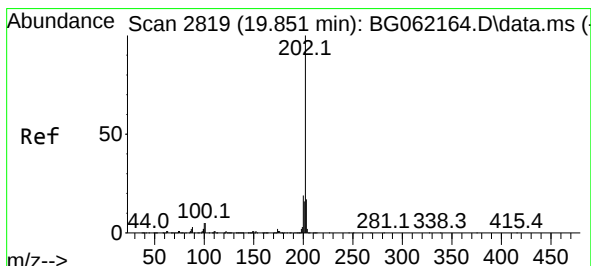
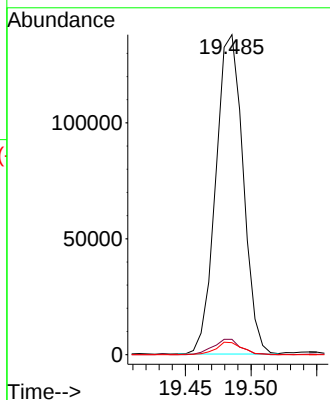
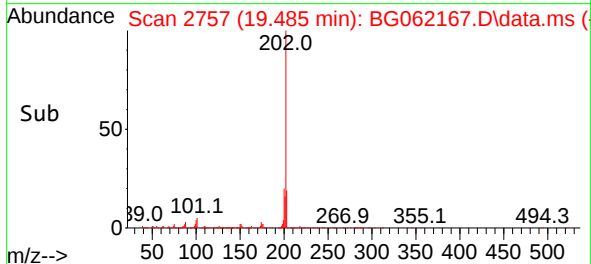
Instrument :
BNA_G
ClientSampleId :
A4BB1



Tgt Ion:202 Resp: 19966
Ion Ratio Lower Upper
202 100
101 4.8 4.2 6.2
100 3.8 3.1 4.7

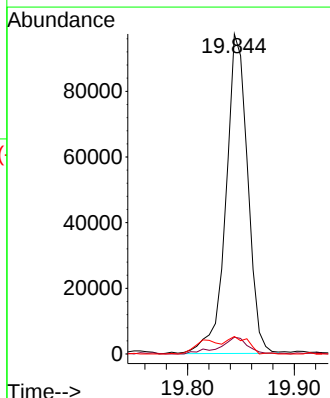
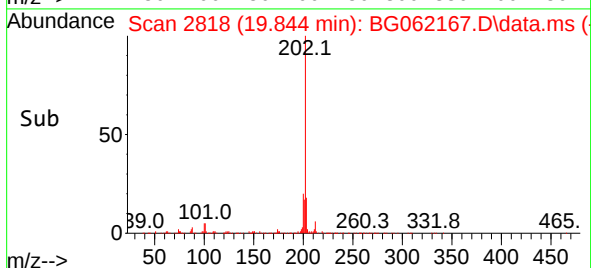
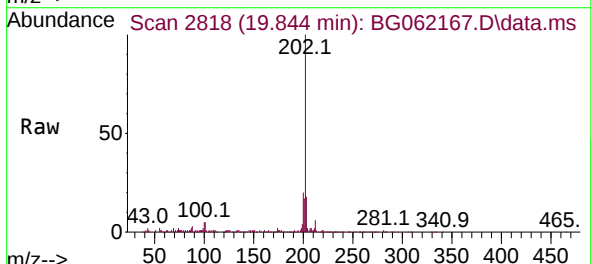
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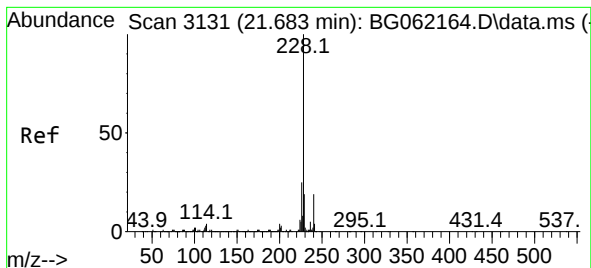
Reviewed By :Yogesh Patel 07/23/2024
Supervised By :mohammad ahmed 07/25/2024



#82
Pyrene
Concen: 6.267 ng/u1
RT: 19.844 min Scan# 2818
Delta R.T. -0.004 min
Lab File: BG062167.D
Acq: 22 Jul 2024 18:57

Tgt Ion:202 Resp: 137691
Ion Ratio Lower Upper
202 100
101 5.3 4.2 6.4
100 5.5 4.0 6.0





#85

Benzo(a)anthracene

Concen: 4.290 ng/ul

RT: 21.677 min Scan# 3113

Delta R.T. -0.004 min

Lab File: BG062167.D

Acq: 22 Jul 2024 18:57

Instrument :

BNB_G

ClientSampleId :

A4BB1

Tgt Ion:228 Resp: 97819

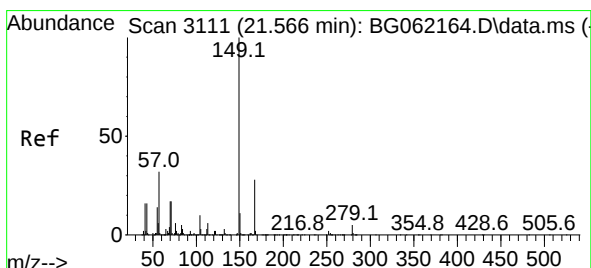
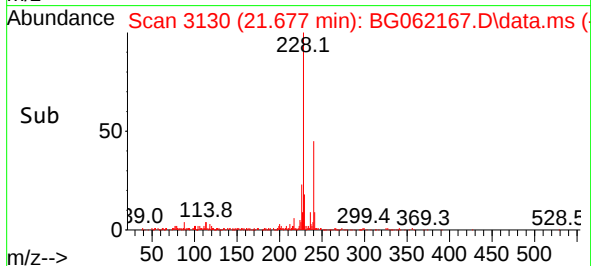
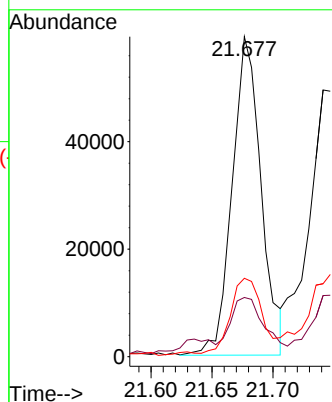
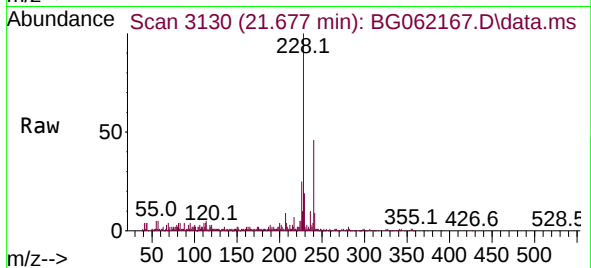
Ion	Ratio	Lower	Upper
228	100		
229	18.5	15.4	23.2
226	24.5	20.9	31.3

Manual Integrations

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Supervised By :mohammad ahmed 07/25/2024



#86

Bis(2-ethylhexyl)phthalate

Concen: 1.155 ng/ul

RT: 21.565 min Scan# 3111

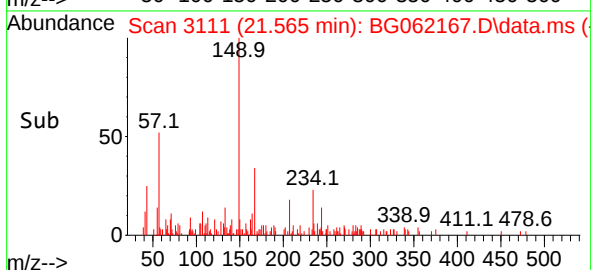
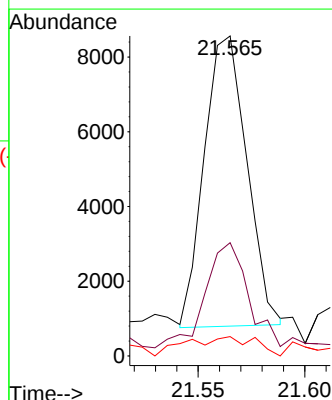
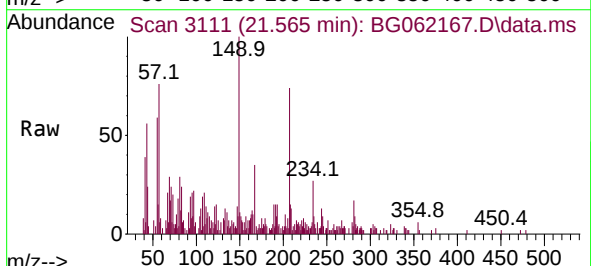
Delta R.T. -0.004 min

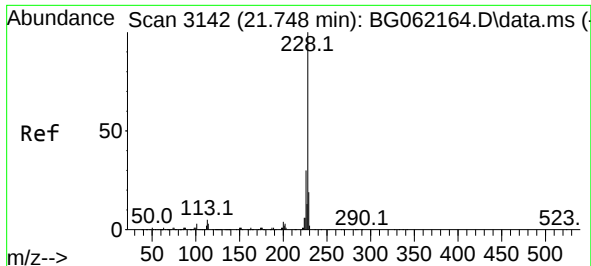
Lab File: BG062167.D

Acq: 22 Jul 2024 18:57

Tgt Ion:149 Resp: 10794

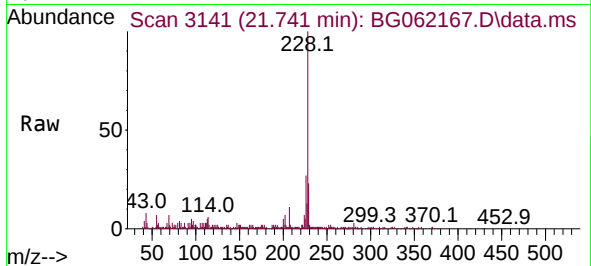
Ion	Ratio	Lower	Upper
149	100		
167	35.4	20.2	30.2#
279	6.1	3.8	5.8#





#87
Chrysene
Concen: 4.314 ng/ul
RT: 21.741 min Scan# 3142
Delta R.T. -0.010 min
Lab File: BG062167.D
Acq: 22 Jul 2024 18:57

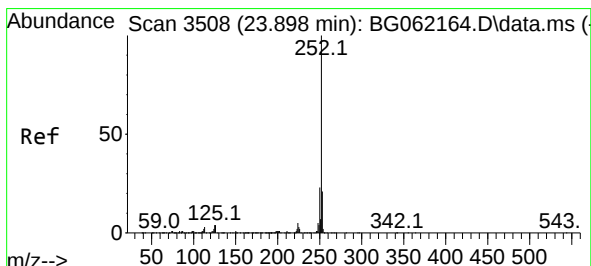
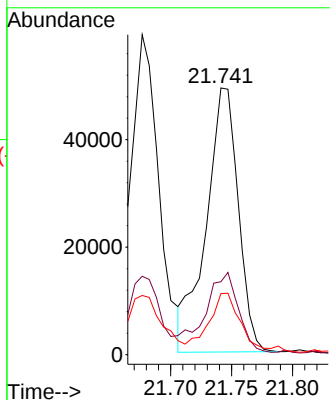
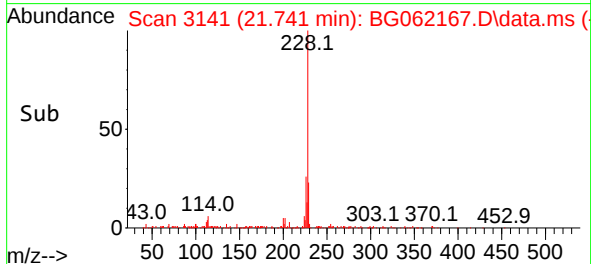
Instrument :
BNA_G
ClientSampleId :
A4BB1



Tgt Ion:228 Resp: 90434
Ion Ratio Lower Upper
228 100
226 27.3 24.0 36.0
229 22.9 15.4 23.0

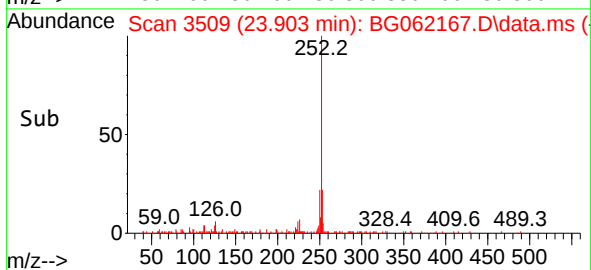
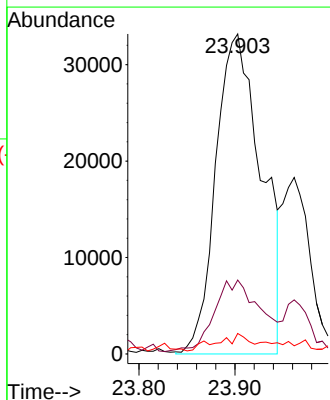
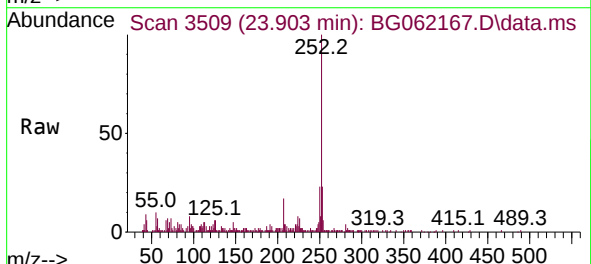
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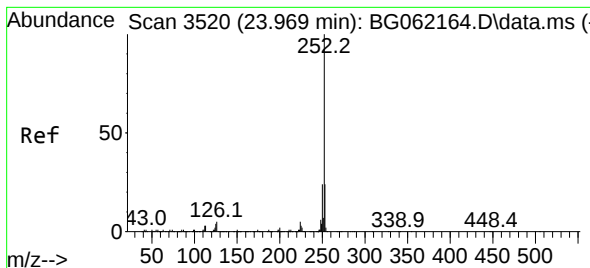
Reviewed By :Yogesh Patel 07/23/2024
Supervised By :mohammad ahmed 07/25/2024



#90
Benzo(b)fluoranthene
Concen: 5.160 ng/ul m
RT: 23.903 min Scan# 3509
Delta R.T. -0.004 min
Lab File: BG062167.D
Acq: 22 Jul 2024 18:57

Tgt Ion:252 Resp: 109734
Ion Ratio Lower Upper
252 100
253 23.1 17.2 25.8
125 6.4 3.4 5.0#





#91

Benzo(k)fluoranthene

Concen: 1.727 ng/ul

RT: 23.962 min Scan# 3519

Delta R.T. -0.010 min

Lab File: BG062167.D

Acq: 22 Jul 2024 18:57

Instrument :

BNA_G

ClientSampleId :

A4BB1

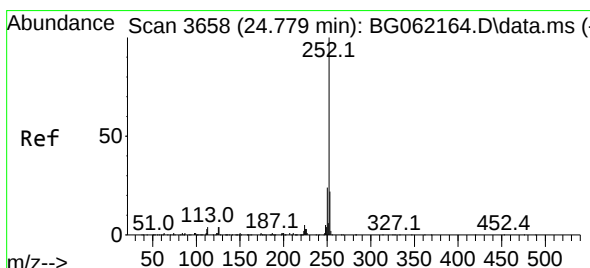
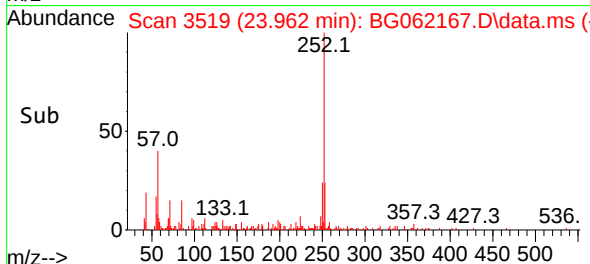
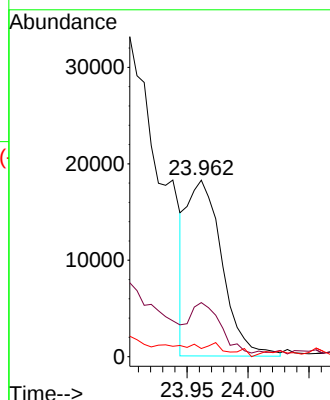
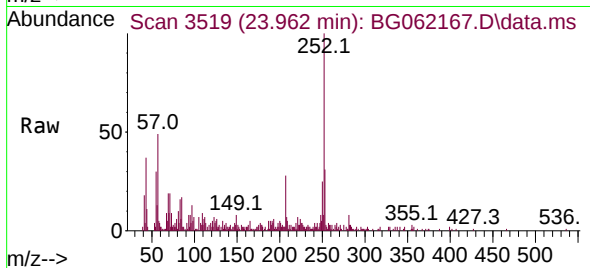
Tgt Ion:	252	Resp:	3666
Ion Ratio	Lower	Upper	
252	100		
253	30.6	18.2	27.2
125	4.6	2.7	4.1

Manual Integrations

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#93

Benzo(a)pyrene

Concen: 2.157 ng/ul

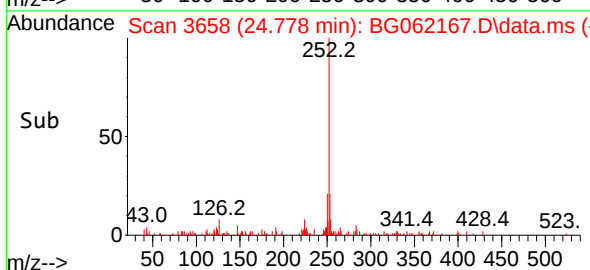
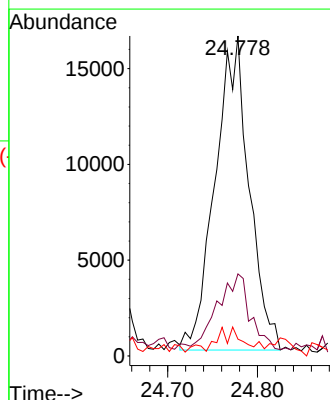
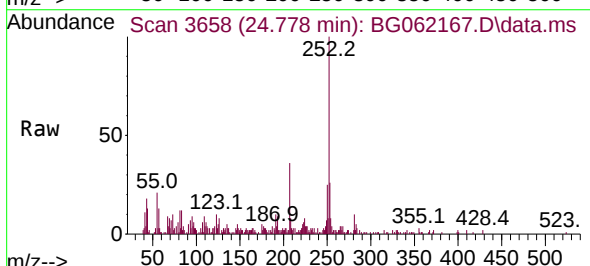
RT: 24.778 min Scan# 3658

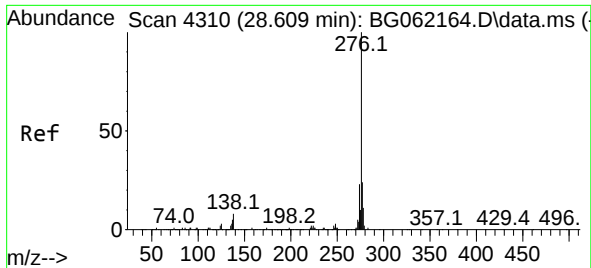
Delta R.T. -0.004 min

Lab File: BG062167.D

Acq: 22 Jul 2024 18:57

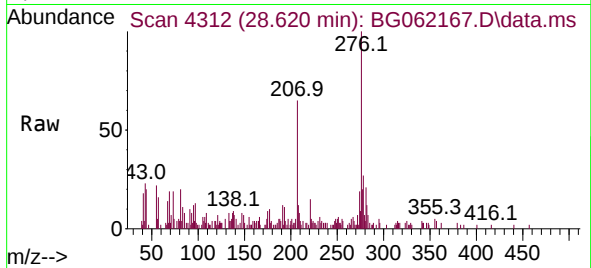
Tgt Ion:	252	Resp:	42968
Ion Ratio	Lower	Upper	
252	100		
253	25.6	16.6	24.8
125	5.3	3.0	4.4





#94
 Indeno(1,2,3-cd)pyrene
 Concen: 1.764 ng/ul m
 RT: 28.620 min Scan# 4312
 Delta R.T. -0.004 min
 Lab File: BG062167.D
 Acq: 22 Jul 2024 18:57

Instrument :
 BNA_G
 ClientSampleId :
 A4BB1



Tgt Ion:276 Resp: 40372
 Ion Ratio Lower Upper
 276 100
 138 9.2 6.1 9.1
 277 20.0 17.4 26.2

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