

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG071524\
 Data File : BG062070.D
 Acq On : 15 Jul 2024 15:56
 Operator : MA/JU
 Sample : P3100-12
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 A4BX0

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 07/16/2024
 Supervised By :mohammad ahmed 07/20/2024

Quant Time: Jul 16 02:47:13 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG070224.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Thu Jul 11 12:11:32 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.042	152	47068	20.000	ng/u1	0.00
20) Naphthalene-d8	10.850	136	218905	20.000	ng/u1	# 0.00
38) Acenaphthene-d10	14.669	164	167930	20.000	ng/u1	0.00
64) Phenanthrene-d10	17.413	188	385593	20.000	ng/u1	# 0.00
79) Chrysene-d12	21.673	240	349080	20.000	ng/u1	0.00
88) Perylene-d12	24.887	264	436498	20.000	ng/u1	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.435	96	1696	1.354	ng/uL	0.00
4) Pyridine-d5	3.858	84	25721	6.679	ng/u1	0.00
7) Phenol-d5	7.201	99	52584	10.209	ng/u1	0.00
9) Bis-(2-Chloroethyl)eth...	7.360	67	29369	9.004	ng/u1	0.00
11) 2-Chlorophenol-d4	7.566	132	38578	10.918	ng/u1	0.00
15) 4-Methylphenol-d8	8.747	113	40358	9.951	ng/u1	0.00
21) Nitrobenzene-d5	9.205	128	19730	11.851	ng/u1	0.00
24) 2-Nitrophenol-d4	9.928	143	22223	11.689	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	10.468	165	50401	13.744	ng/u1	0.00
31) 4-Chloroaniline-d4	10.979	131	30398	5.710	ng/u1	0.00
46) Dimethylphthalate-d6	14.070	166	167637	12.142	ng/u1	0.00
49) Acenaphthylene-d8	14.364	160	188441	13.053	ng/u1	0.00
54) 4-Nitrophenol-d4	14.881	143	16878	7.655	ng/u1	0.00
60) Fluorene-d10	15.662	176	157630	13.562	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	15.780	200	21892	10.810	ng/u1	0.00
73) Anthracene-d10	17.513	188	252477	14.024	ng/u1	0.00
81) Pyrene-d10	19.798	212	291522	14.198	ng/u1	0.00
92) Benzo(a)pyrene-d12	24.657	264	313901	14.500	ng/u1	0.00
Target Compounds						
					Qvalue	
72) Phenanthrene	17.460	178	103149	5.073	ng/u1	96
80) Fluoranthene	19.464	202	254953	10.492	ng/u1#	92
82) Pyrene	19.822	202	220716	8.793	ng/u1#	94
83) Butylbenzylphthalate	20.697	149	13481	1.280	ng/u1#	88
85) Benzo(a)anthracene	21.655	228	118484	4.688	ng/u1	97
86) Bis(2-ethylhexyl)phtha...	21.549	149	32629	2.159	ng/u1#	98
87) Chrysene	21.720	228	135132	5.711	ng/u1	98
90) Benzo(b)fluoranthene	23.858	252	184437	6.707	ng/u1	97
91) Benzo(k)fluoranthene	23.917	252	74015m	2.699	ng/u1	
93) Benzo(a)pyrene	24.728	252	129200	4.961	ng/u1	97
94) Indeno(1,2,3-cd)pyrene	28.524	276	99896m	3.002	ng/u1	
96) Benzo(g,h,i)perylene	29.681	276	102559m	3.874	ng/u1	

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

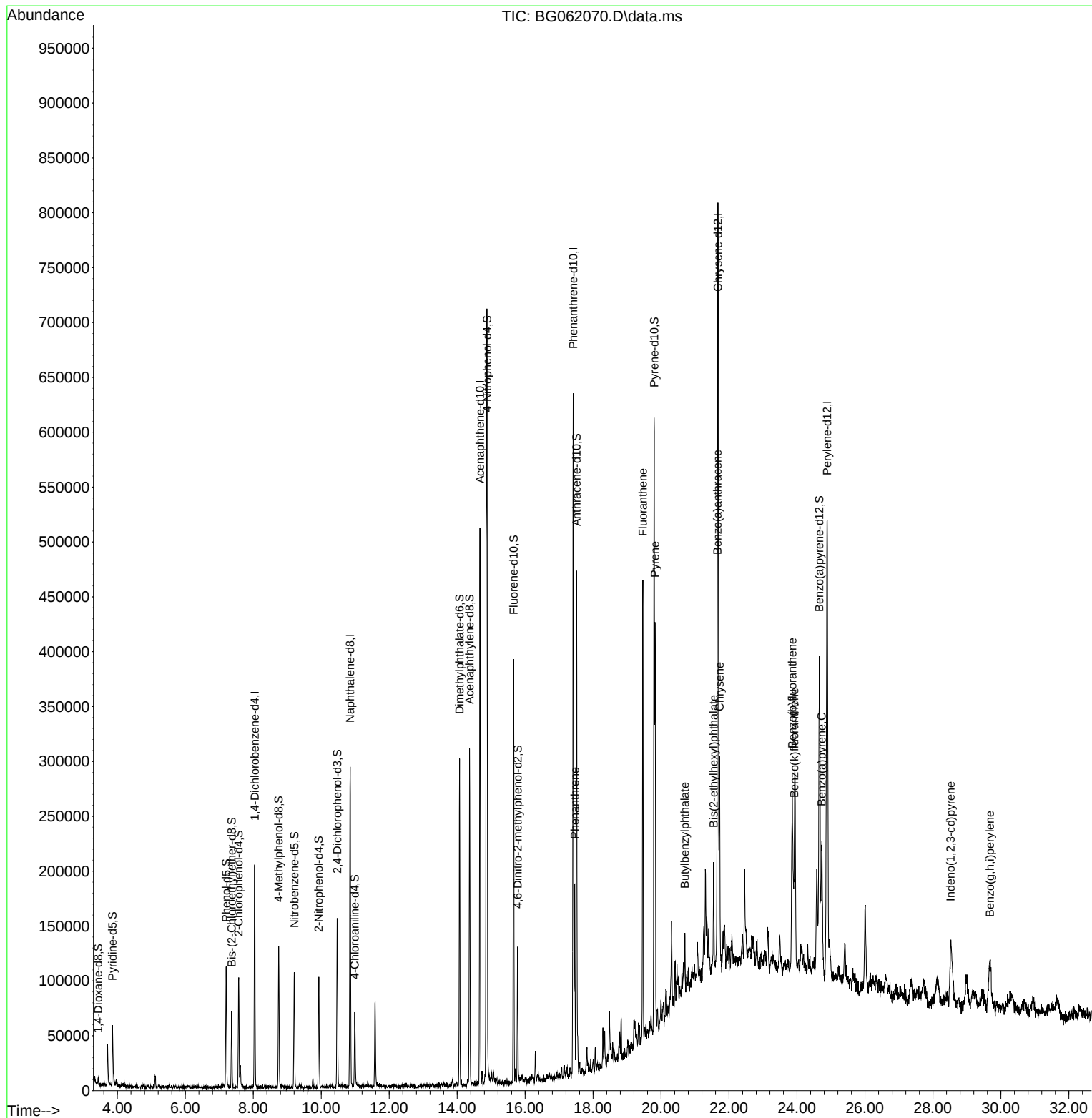
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG071524\
Data File : BG062070.D
Acq On : 15 Jul 2024 15:56
Operator : MA/JU
Sample : P3100-12
Misc :
ALS Vial : 4 Sample Multiplier: 1

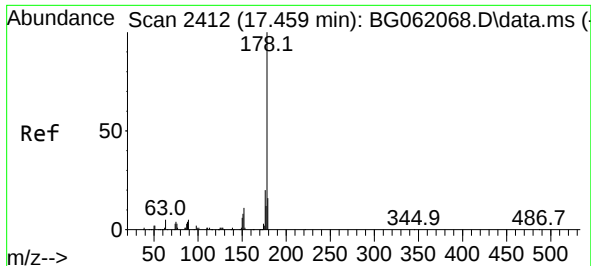
Instrument :
BNA_G
ClientSampleId :
A4BX0

Quant Time: Jul 16 02:47:13 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG070224.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Thu Jul 11 12:11:32 2024
Response via : Initial Calibration

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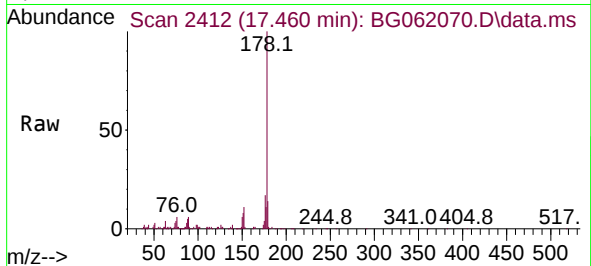
Reviewed By :Yogesh Patel 07/16/2024
Supervised By :mohammad ahmed 07/20/2024





#72
Phenanthrene
Concen: 5.073 ng/u1
RT: 17.460 min Scan# 2412
Delta R.T. 0.001 min
Lab File: BG062070.D
Acq: 15 Jul 2024 15:56

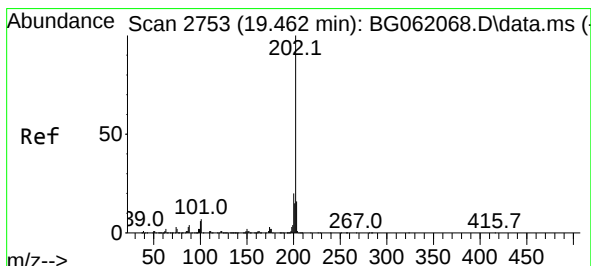
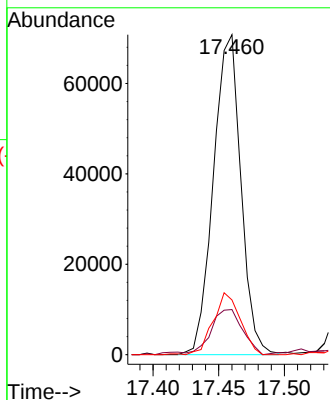
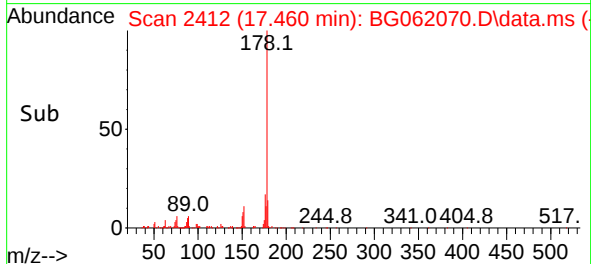
Instrument :
BNA_G
ClientSampleId :
A4BX0



Tgt Ion:178 Resp: 103149
Ion Ratio Lower Upper
178 100
179 14.1 11.9 17.9
176 17.1 15.5 23.3

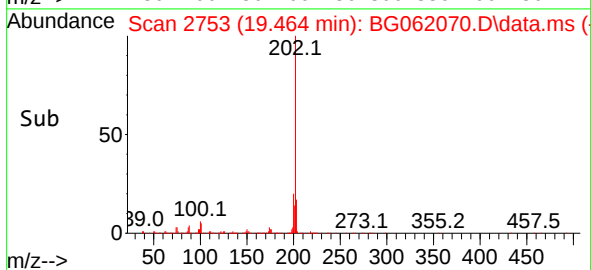
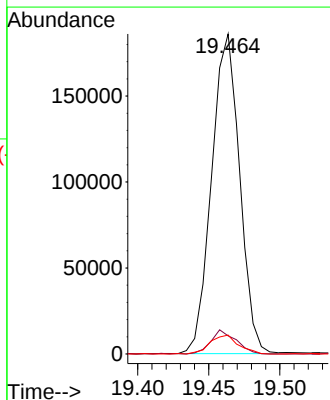
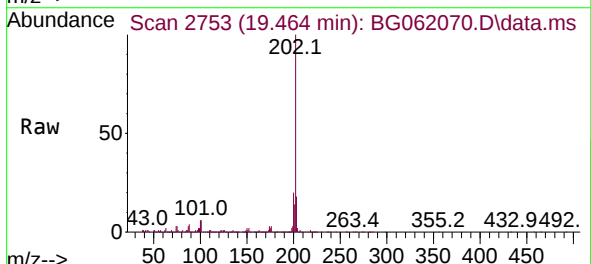
Manual Integrations
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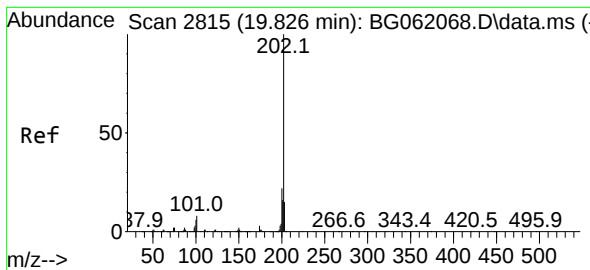
Reviewed By :Yogesh Patel 07/16/2024
Supervised By :mohammad ahmed 07/20/2024



#80
Fluoranthene
Concen: 10.492 ng/u1
RT: 19.464 min Scan# 2753
Delta R.T. 0.001 min
Lab File: BG062070.D
Acq: 15 Jul 2024 15:56

Tgt Ion:202 Resp: 254953
Ion Ratio Lower Upper
202 100
101 5.6 7.4 11.2#
100 5.9 6.6 10.0#





#82

Pyrene

Concen: 8.793 ng/ul

RT: 19.822 min Scan# 21

Delta R.T. -0.005 min

Lab File: BG062070.D

Acq: 15 Jul 2024 15:56

Instrument :

BNA_G

ClientSampleId :

A4BX0

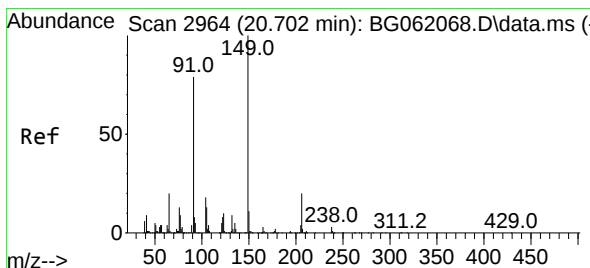
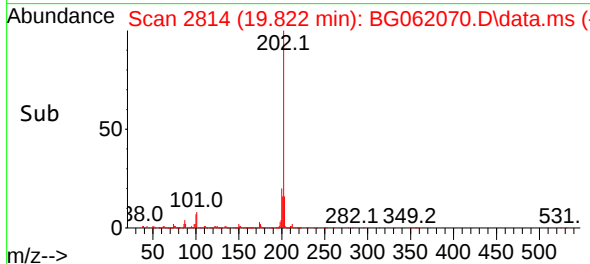
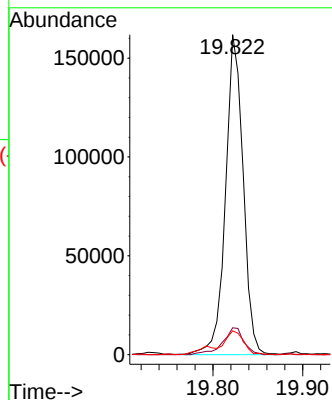
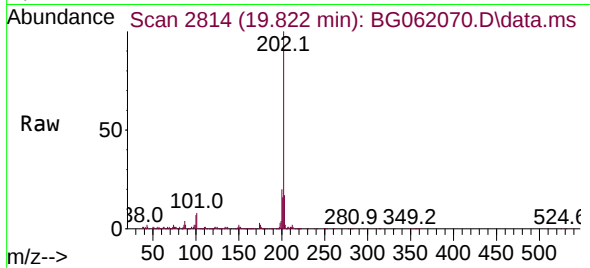
Tgt Ion:	202	Resp:	220710
Ion Ratio	Lower	Upper	
202	100		
101	8.4	8.8	13.2
100	7.4	7.6	11.4

Manual Integrations

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Supervised By :mohammad ahmed 07/20/2024



#83

Butylbenzylphthalate

Concen: 1.280 ng/ul

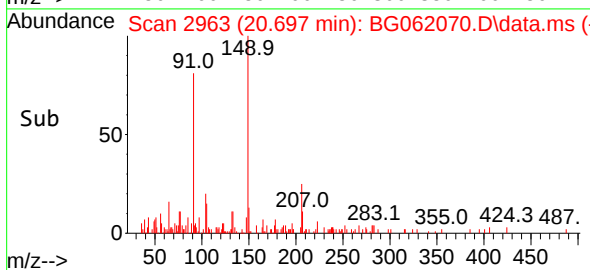
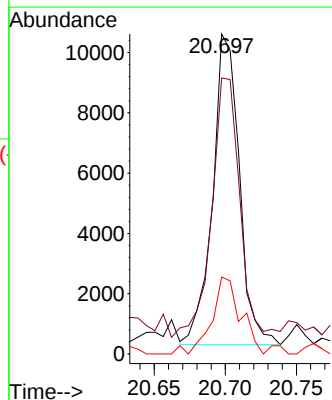
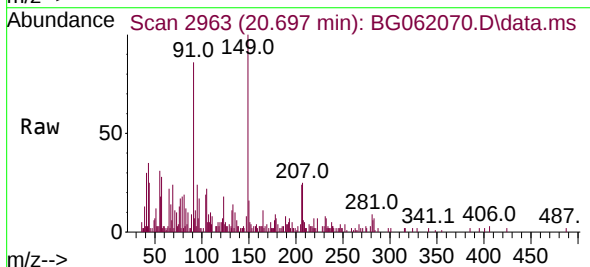
RT: 20.697 min Scan# 2963

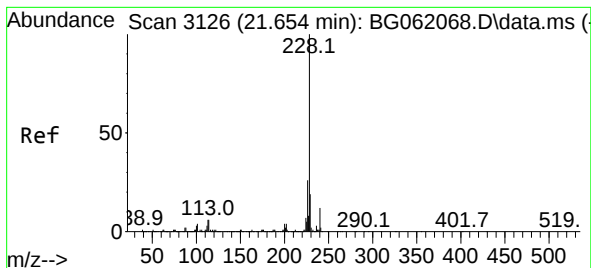
Delta R.T. -0.005 min

Lab File: BG062070.D

Acq: 15 Jul 2024 15:56

Tgt Ion:	149	Resp:	13481
Ion Ratio	Lower	Upper	
149	100		
91	86.3	60.6	91.0
206	24.1	14.6	21.8





#85

Benzo(a)anthracene

Concen: 4.688 ng/ul

RT: 21.655 min Scan# 3126

Delta R.T. 0.001 min

Lab File: BG062070.D

Acq: 15 Jul 2024 15:56

Instrument :

BNL_G

ClientSampleId :

A4BX0

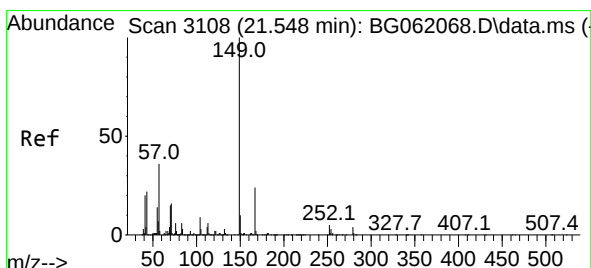
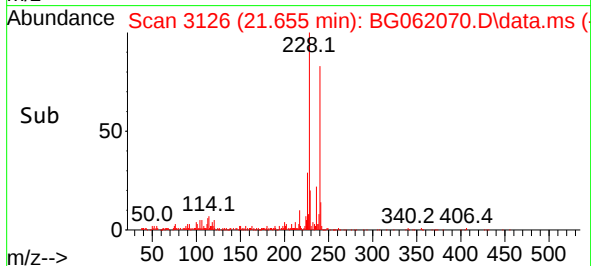
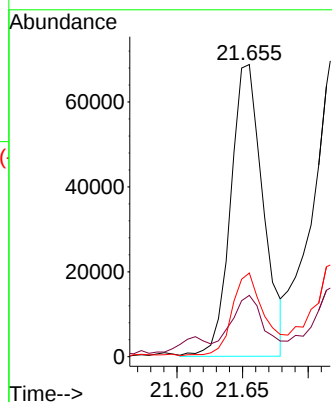
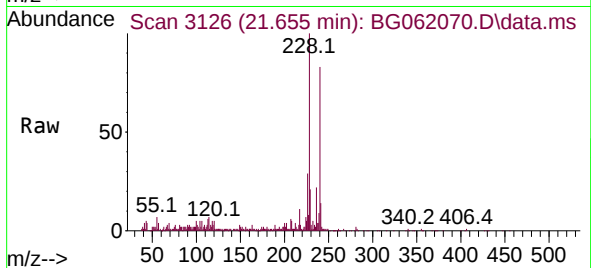
Tgt Ion:	228	Resp:	11848
Ion Ratio	Lower	Upper	
228	100		
229	21.0	15.7	23.5
226	28.6	21.7	32.5

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 07/16/2024

Supervised By :mohammad ahmed 07/20/2024



#86

Bis(2-ethylhexyl)phthalate

Concen: 2.159 ng/ul

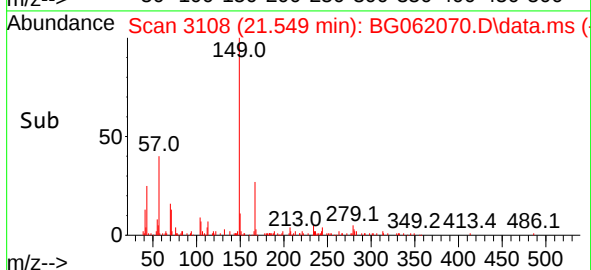
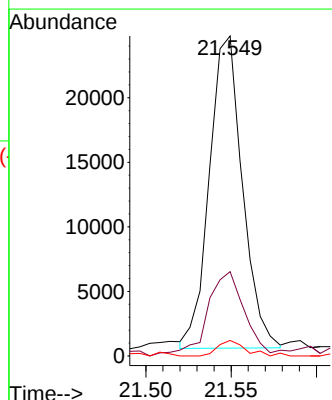
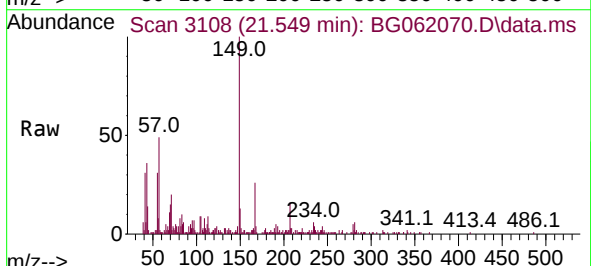
RT: 21.549 min Scan# 3108

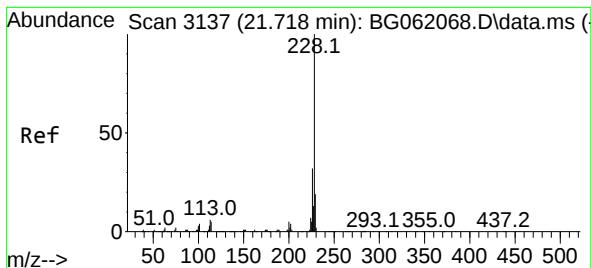
Delta R.T. -0.005 min

Lab File: BG062070.D

Acq: 15 Jul 2024 15:56

Tgt Ion:	149	Resp:	32629
Ion Ratio	Lower	Upper	
149	100		
167	26.4	21.7	32.5
279	4.8	2.8	4.2#





#87

Chrysene

Concen: 5.711 ng/ul

RT: 21.720 min Scan# 3137

Delta R.T. -0.005 min

Lab File: BG062070.D

Acq: 15 Jul 2024 15:56

Instrument :

BNA_G

ClientSampleId :

A4BX0

Tgt Ion:228 Resp: 13513

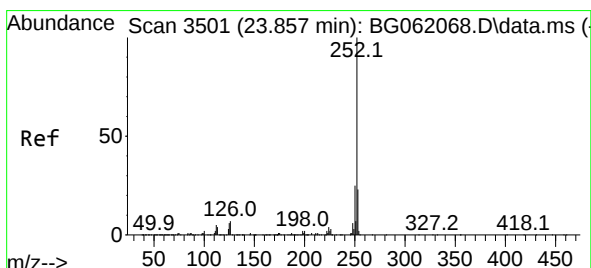
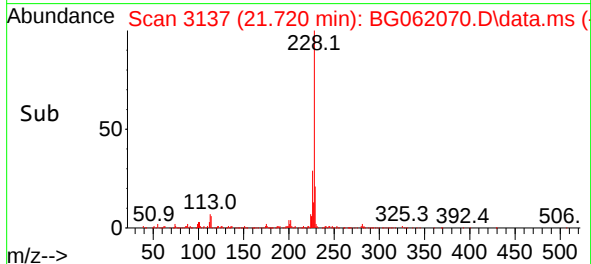
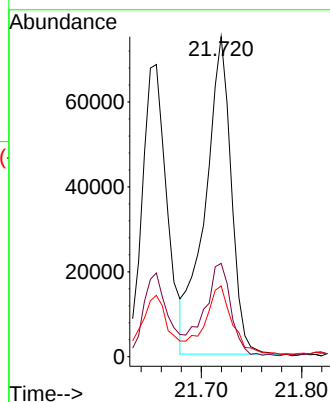
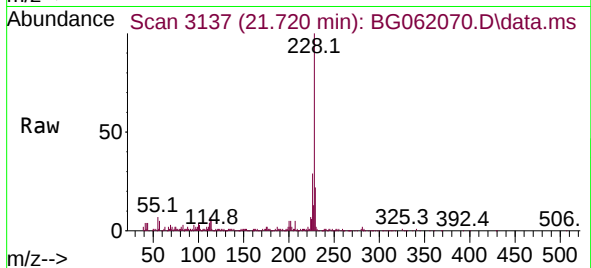
Ion	Ratio	Lower	Upper
228	100		
226	29.1	23.3	34.9
229	22.1	15.5	23.3

Manual Integrations

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Reviewed By :Yogesh Patel 07/16/2024

Supervised By :mohammad ahmed 07/20/2024



#90

Benzo(b)fluoranthene

Concen: 6.707 ng/ul

RT: 23.858 min Scan# 3501

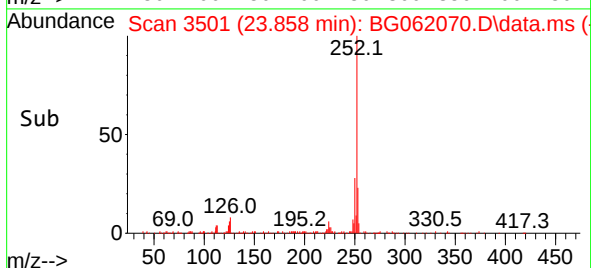
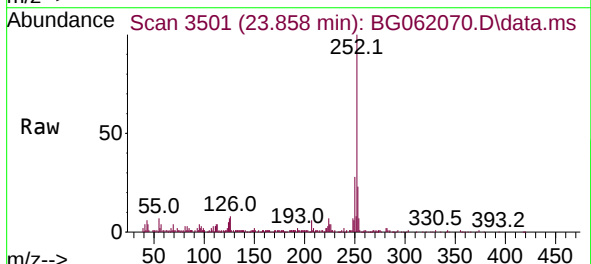
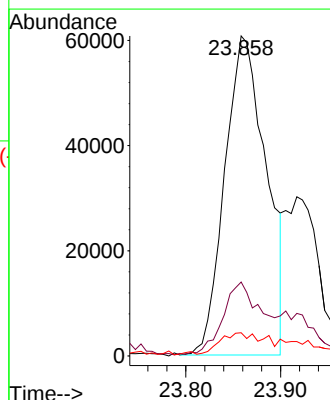
Delta R.T. 0.001 min

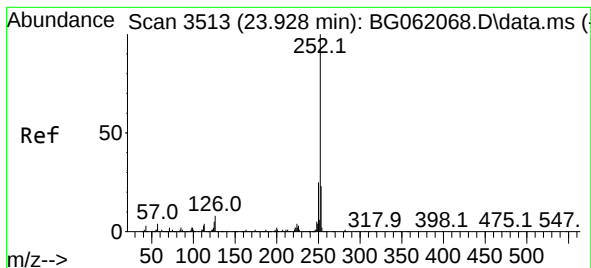
Lab File: BG062070.D

Acq: 15 Jul 2024 15:56

Tgt Ion:252 Resp: 184437

Ion	Ratio	Lower	Upper
252	100		
253	23.1	17.2	25.8
125	7.2	6.1	9.1





#91

Benzo(k)fluoranthene

Concen: 2.699 ng/ul m

RT: 23.917 min Scan# 3513

Delta R.T. -0.005 min

Lab File: BG062070.D

Acq: 15 Jul 2024 15:56

Instrument :

BNA_G

ClientSampleId :

A4BX0

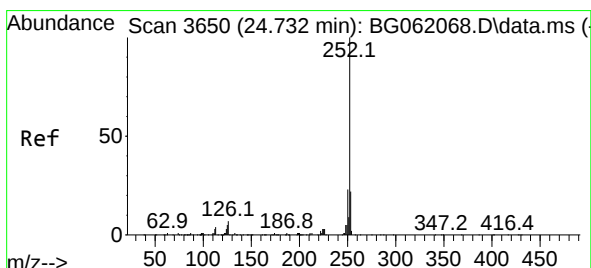
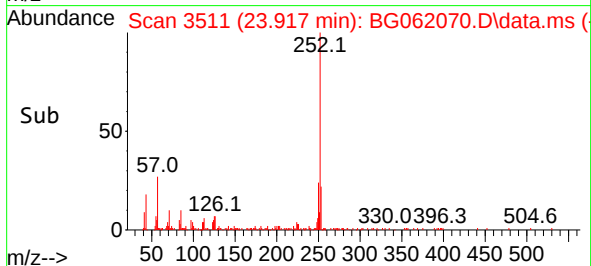
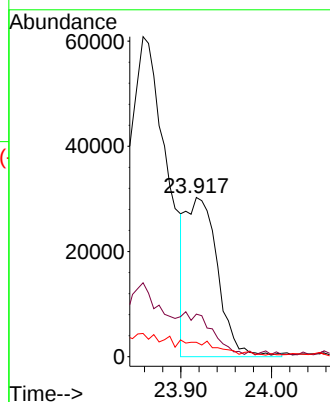
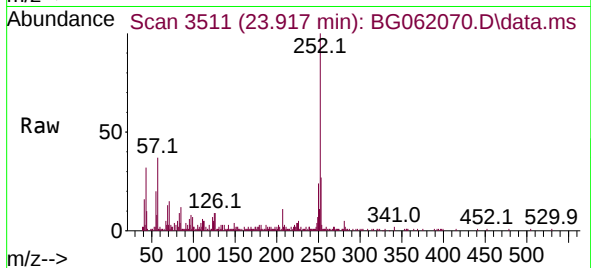
Tgt Ion:252	Resp:	7401
Ion Ratio	Lower	Upper
252	100	
253	26.8	19.3 28.9
125	9.0	6.3 9.5

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 07/16/2024

Supervised By :mohammad ahmed 07/20/2024



#93

Benzo(a)pyrene

Concen: 4.961 ng/ul

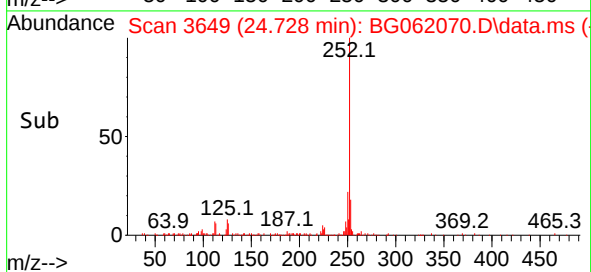
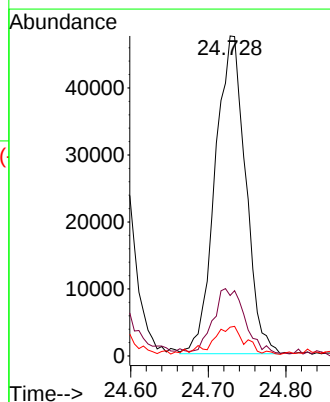
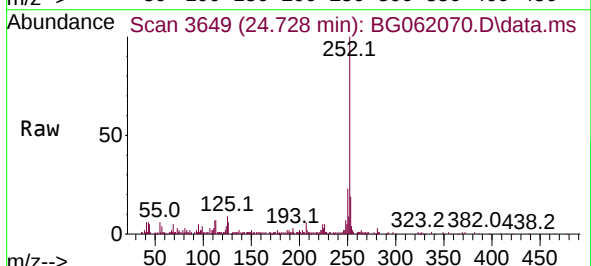
RT: 24.728 min Scan# 3649

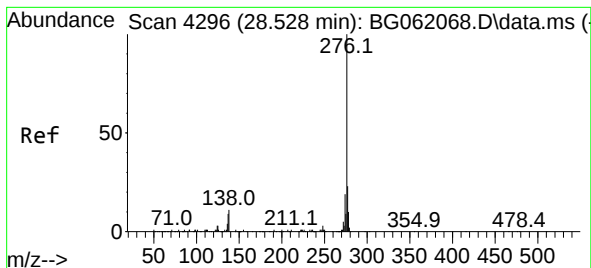
Delta R.T. 0.001 min

Lab File: BG062070.D

Acq: 15 Jul 2024 15:56

Tgt Ion:252	Resp:	129200
Ion Ratio	Lower	Upper
252	100	
253	18.9	16.5 24.7
125	9.0	7.4 11.2





#94

Indeno(1,2,3-cd)pyrene

Concen: 3.002 ng/ul m

RT: 28.524 min Scan# 4296

Delta R.T. -0.011 min

Lab File: BG062070.D

Acq: 15 Jul 2024 15:56

Instrument :

BNA_G

ClientSampleId :

A4BX0

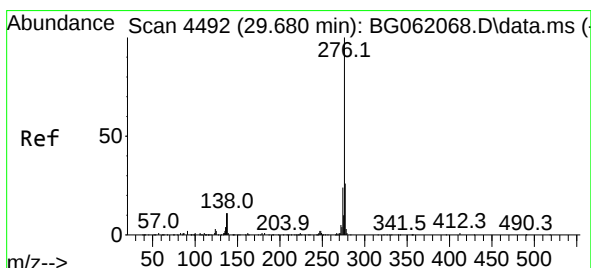
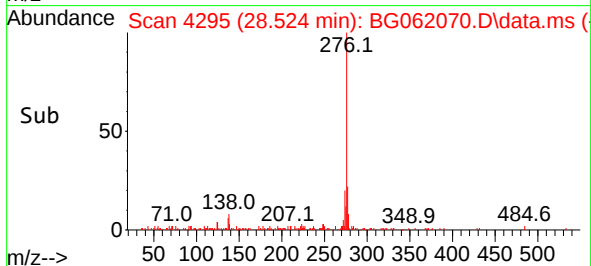
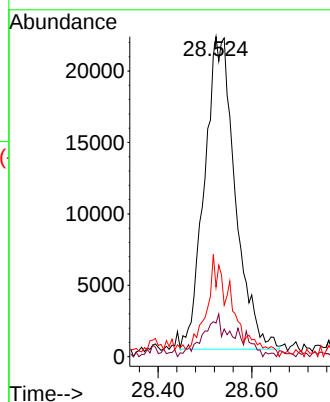
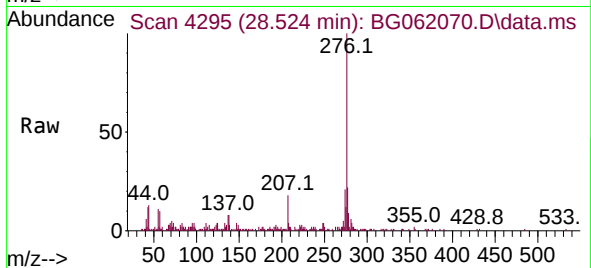
Tgt Ion:	276	Resp:	99890
Ion Ratio	Lower	Upper	
276	100		
138	7.6	11.9	17.9
277	21.8	19.3	28.9

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 07/16/2024

Supervised By :mohammad ahmed 07/20/2024



#96

Benzo(g,h,i)perylene

Concen: 3.874 ng/ul m

RT: 29.681 min Scan# 4492

Delta R.T. 0.013 min

Lab File: BG062070.D

Acq: 15 Jul 2024 15:56

Tgt Ion:	276	Resp:	102559
Ion Ratio	Lower	Upper	
276	100		
138	7.3	11.1	16.7#
277	31.1	18.8	28.2#

