

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG053024\
 Data File : BG061380.D
 Acq On : 31 May 2024 5:27
 Operator : MA/JU
 Sample : P2570-07
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 BH6B5

Manual Integrations
 APPROVED

Reviewed By :Jagrut Upadhyay 05/31/2024
 Supervised By :mohammad ahmed 06/01/2024

Quant Time: May 31 06:07:03 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG052124.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Thu May 30 22:54:48 2024
 Response via : Initial Calibration

05/31/2024
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 ahmed

06/01/2024

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.871	152	33181	20.000	ng/u1	0.00
20) Naphthalene-d8	10.668	136	127624	20.000	ng/u1 #	0.00
38) Acenaphthene-d10	14.510	164	92307	20.000	ng/u1	0.00
64) Phenanthrene-d10	17.260	188	201124	20.000	ng/u1 #	0.00
79) Chrysene-d12	21.508	240	210262	20.000	ng/u1	0.00
88) Perylene-d12	24.598	264	244979	20.000	ng/u1	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.341	96	1425	2.403	ng/uL	0.00
4) Pyridine-d5	3.752	84	25611	12.142	ng/u1	0.01
7) Phenol-d5	7.060	99	45740	16.786	ng/u1	0.00
9) Bis-(2-Chloroethyl)eth...	7.201	67	27203	15.883	ng/u1	0.00
11) 2-Chlorophenol-d4	7.413	132	37483	18.587	ng/u1	0.00
15) 4-Methylphenol-d8	8.588	113	33638	14.478	ng/u1	0.00
21) Nitrobenzene-d5	9.028	128	20326	20.686	ng/u1	0.00
24) 2-Nitrophenol-d4	9.751	143	24616	21.405	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	10.297	165	50415	22.487	ng/u1	0.00
31) 4-Chloroaniline-d4	10.803	131	42594	14.522	ng/u1	0.00
46) Dimethylphthalate-d6	13.917	166	162217	22.659	ng/u1	0.00
49) Acenaphthylene-d8	14.199	160	178251	23.949	ng/u1	0.00
54) 4-Nitrophenol-d4	14.745	143	15954	18.025	ng/u1	0.00
60) Fluorene-d10	15.503	176	145317	23.511	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	15.638	200	20587	16.924	ng/u1	0.00
73) Anthracene-d10	17.354	188	229368	25.868	ng/u1	0.00
81) Pyrene-d10	19.651	212	283509	26.261	ng/u1	0.00
92) Benzo(a)pyrene-d12	24.387	264	303222	25.746	ng/u1	0.00
Target Compounds						
					Qvalue	
72) Phenanthrene	17.301	178	118167	12.105	ng/u1	98
74) Anthracene	17.389	178	13345	1.322	ng/u1	97
77) Carbazole	17.665	167	13159	1.603	ng/u1	95
80) Fluoranthene	19.316	202	230631	17.808	ng/u1	99
82) Pyrene	19.681	202	202253	15.045	ng/u1	99
85) Benzo(a)anthracene	21.490	228	112303	7.741	ng/u1	97
86) Bis(2-ethylhexyl)phtha...	21.402	149	8907	1.303	ng/u1#	94
87) Chrysene	21.555	228	125639	9.405	ng/u1	97
90) Benzo(b)fluoranthene	23.617	252	165162	11.323	ng/u1	97
91) Benzo(k)fluoranthene	23.676	252	63726m	4.304	ng/u1	
93) Benzo(a)pyrene	24.451	252	116596	8.418	ng/u1	98
94) Indeno(1,2,3-cd)pyrene	28.077	276	84252m	5.030	ng/u1	
95) Dibenzo(a,h)anthracene	28.124	278	21987m	1.592	ng/u1	
96) Benzo(g,h,i)perylene	29.181	276	77157m	5.791	ng/u1	

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

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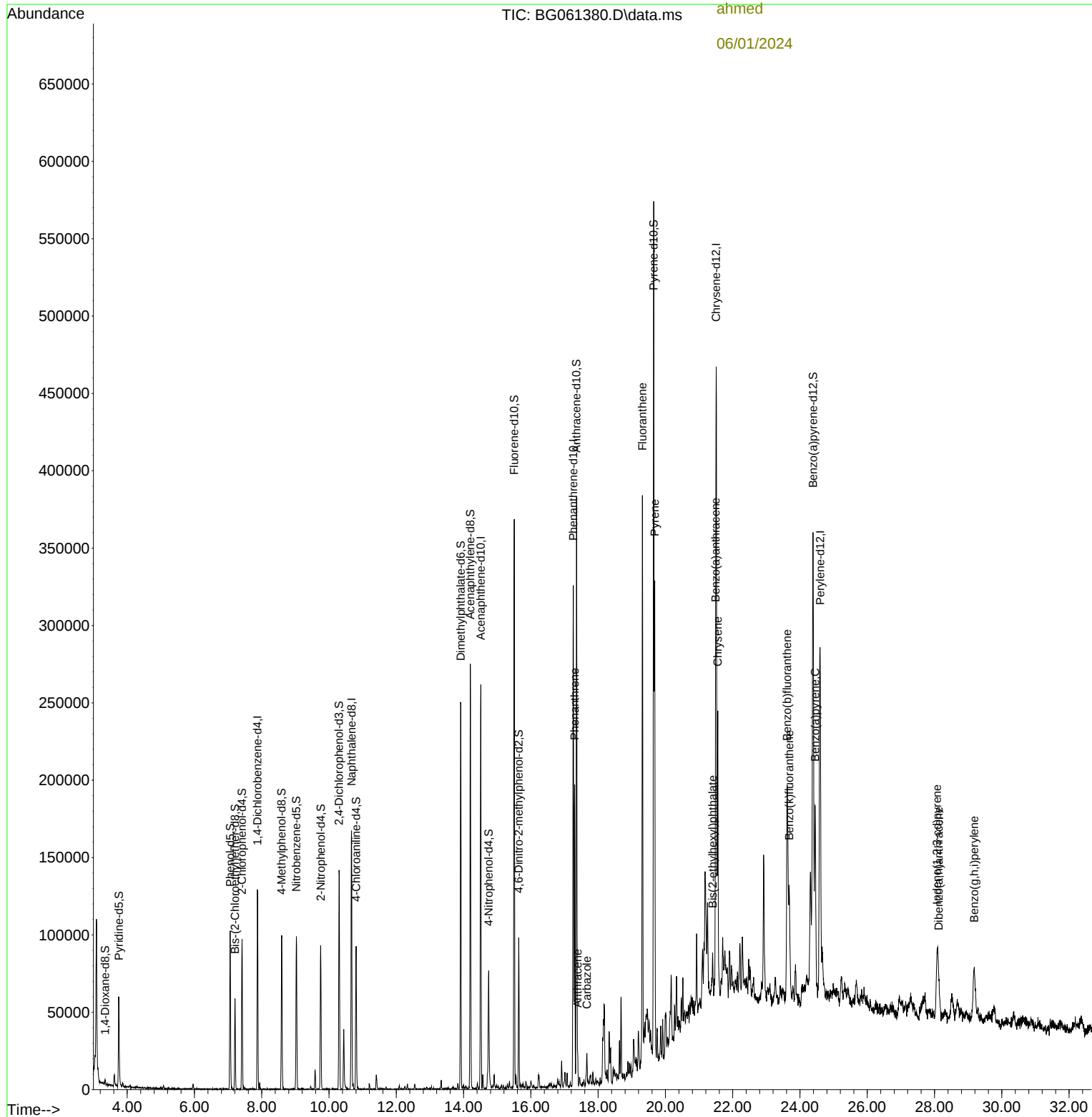
Instrument :
 BNA_G
 ClientSampleId :
 BH6B5

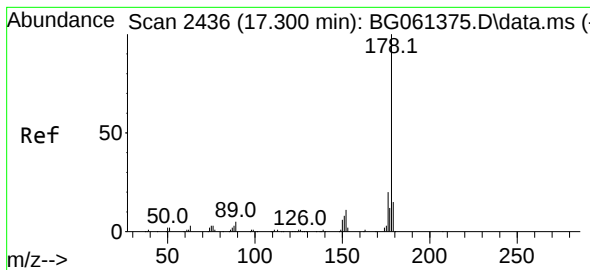
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#72

Phenanthrene

Concen: 12.105 ng/uI

RT: 17.301 min Scan# 2436

Delta R.T. 0.002 min

Lab File: BG061380.D

Acq: 31 May 2024 5:27

Instrument :

BNA_G

ClientSampleId :

BH6B5

Tgt Ion:178	Resp:	11816
Ion Ratio	Lower	Upper
178	100	
179	16.2	12.7 19.1
176	20.4	15.5 23.3

Manual Integrations

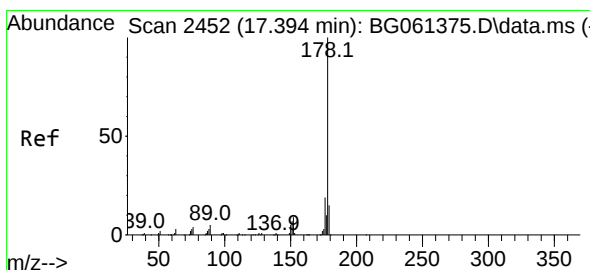
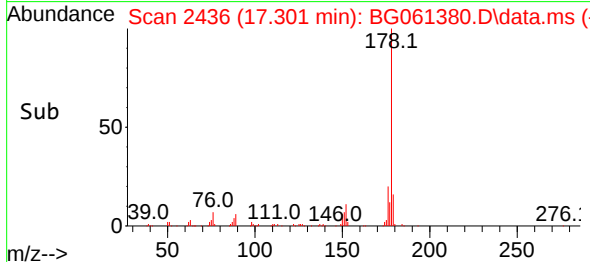
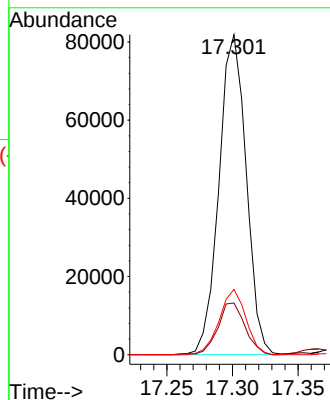
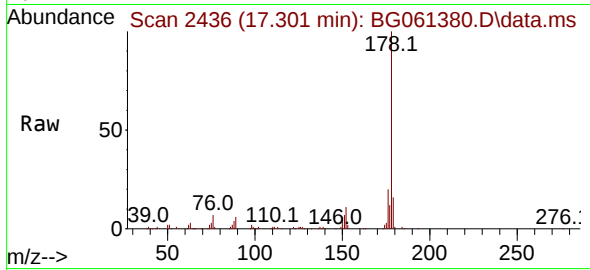
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#74

Anthracene

Concen: 1.322 ng/uI

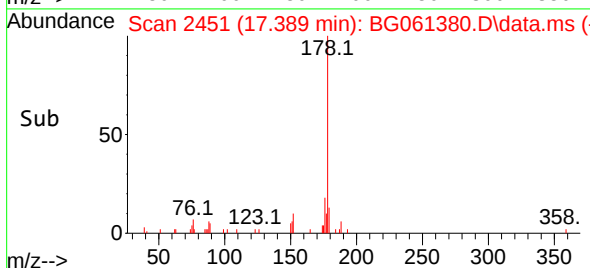
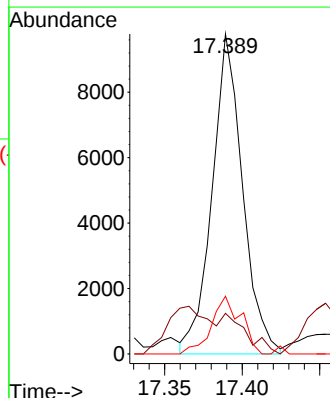
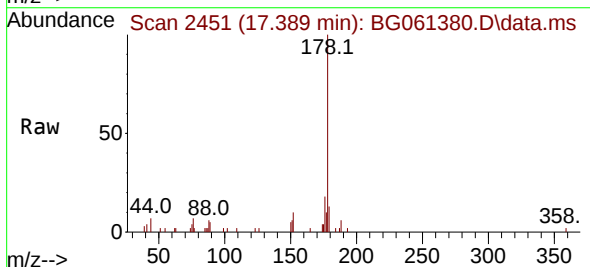
RT: 17.389 min Scan# 2451

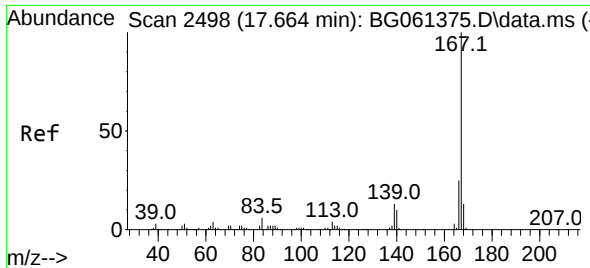
Delta R.T. -0.004 min

Lab File: BG061380.D

Acq: 31 May 2024 5:27

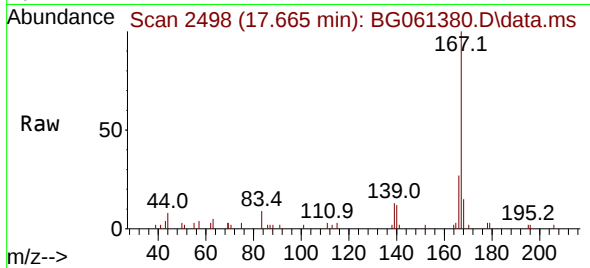
Tgt Ion:178	Resp:	13345
Ion Ratio	Lower	Upper
178	100	
179	12.7	11.8 17.6
176	18.0	14.9 22.3





#77
 Carbazole
 Concen: 1.603 ng/ul
 RT: 17.665 min Scan# 2498
 Delta R.T. 0.002 min
 Lab File: BG061380.D
 Acq: 31 May 2024 5:27

Instrument :
 BNA_G
 ClientSampleId :
 BH6B5



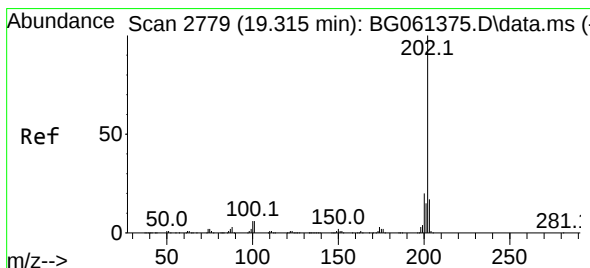
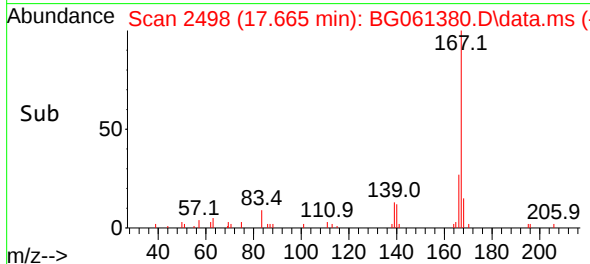
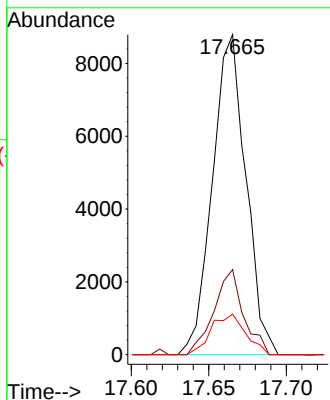
Tgt Ion:167 Resp: 1315
 Ion Ratio Lower Upper
 167 100
 166 26.6 18.6 28.0
 139 12.7 10.6 15.8

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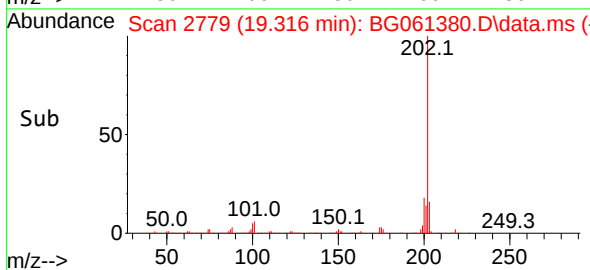
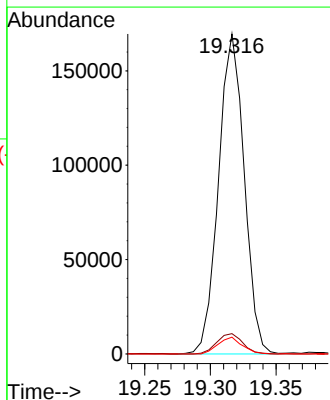
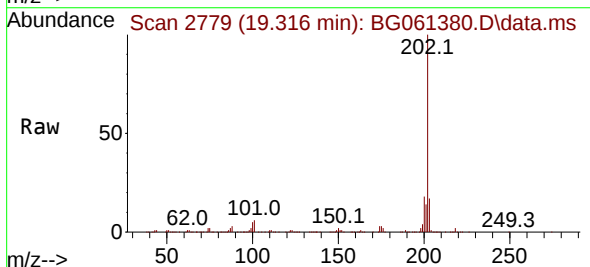
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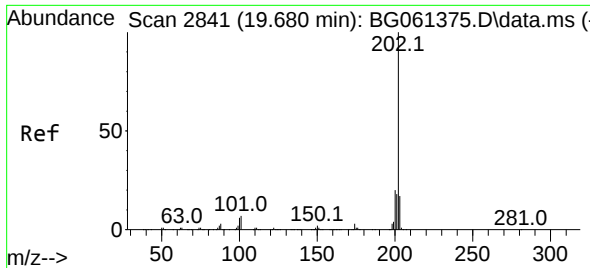
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#80
 Fluoranthene
 Concen: 17.808 ng/ul
 RT: 19.316 min Scan# 2779
 Delta R.T. 0.002 min
 Lab File: BG061380.D
 Acq: 31 May 2024 5:27

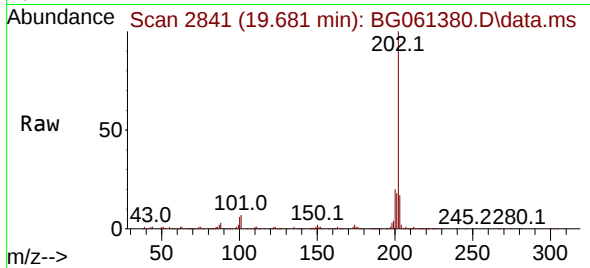
Tgt Ion:202 Resp: 230631
 Ion Ratio Lower Upper
 202 100
 101 6.4 4.8 7.2
 100 5.2 4.1 6.1





#82
Pyrene
Concen: 15.045 ng/ul
RT: 19.681 min Scan# 2149
Delta R.T. 0.002 min
Lab File: BG061380.D
Acq: 31 May 2024 5:27

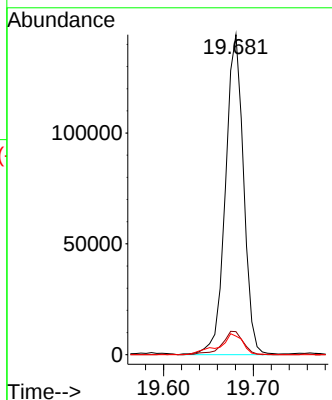
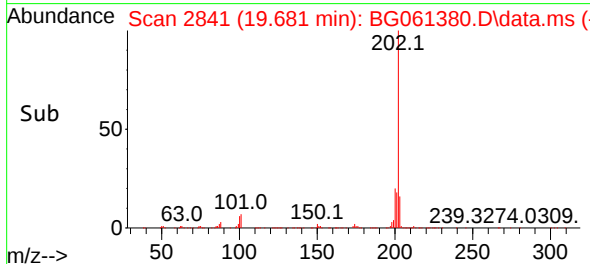
Instrument :
BNA_G
ClientSampleId :
BH6B5



Tgt Ion:202 Resp: 20225
Ion Ratio Lower Upper
202 100
101 7.2 5.7 8.5
100 5.8 5.1 7.7

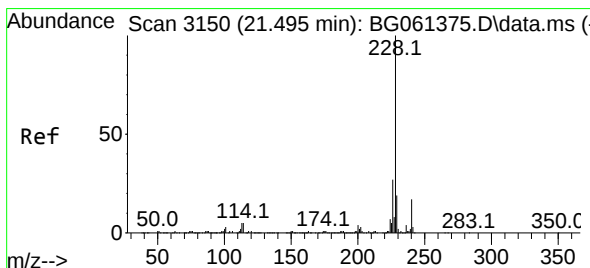
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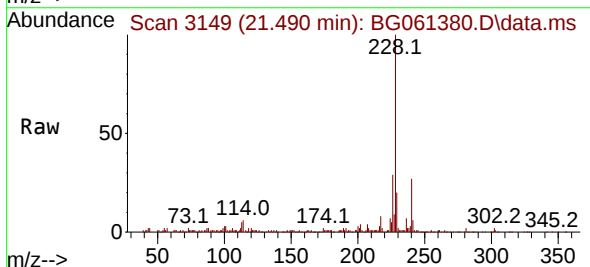


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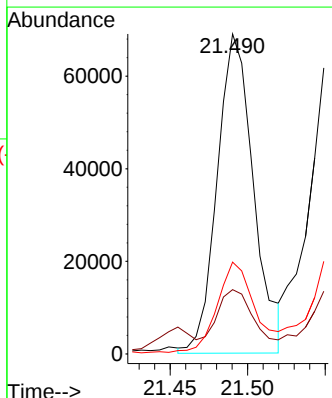
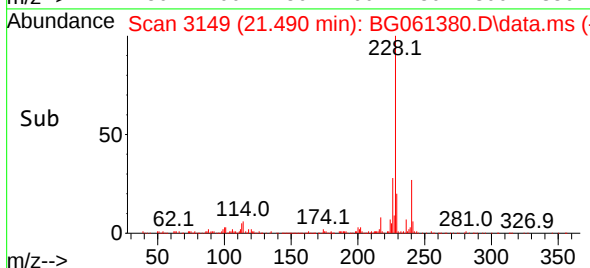
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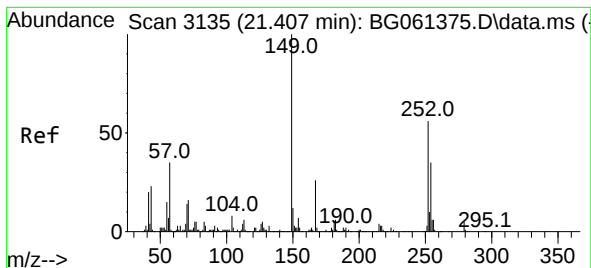


#85
Benzo(a)anthracene
Concen: 7.741 ng/ul
RT: 21.490 min Scan# 3149
Delta R.T. -0.004 min
Lab File: BG061380.D
Acq: 31 May 2024 5:27



Tgt Ion:228 Resp: 112303
Ion Ratio Lower Upper
228 100
229 20.1 15.2 22.8
226 28.7 21.4 32.2





#86

Bis(2-ethylhexyl)phthalate

Concen: 1.303 ng/ul

RT: 21.402 min Scan# 3135

Delta R.T. -0.004 min

Lab File: BG061380.D

Acq: 31 May 2024 5:27

Instrument :

BNA_G

ClientSampleId :

BH6B5

Tgt Ion:	149	Resp:	890
Ion Ratio	Lower	Upper	
149	100		
167	23.5	21.1	31.7
279	6.1	3.3	4.9

Manual Integrations

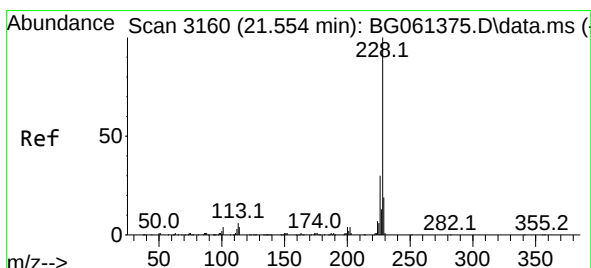
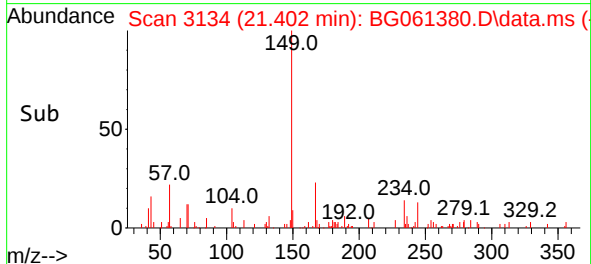
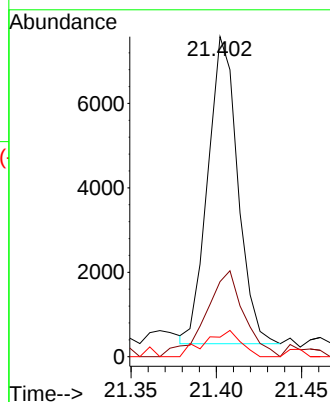
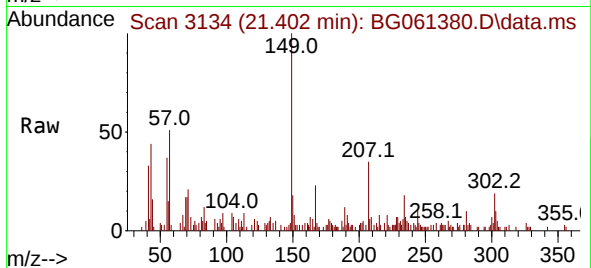
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#87

Chrysene

Concen: 9.405 ng/ul

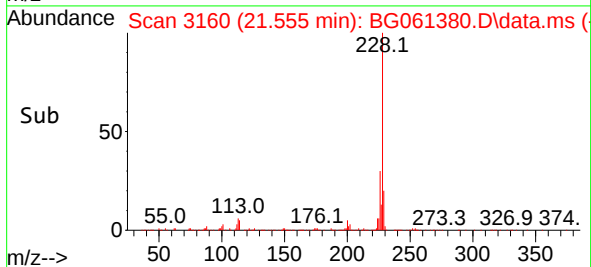
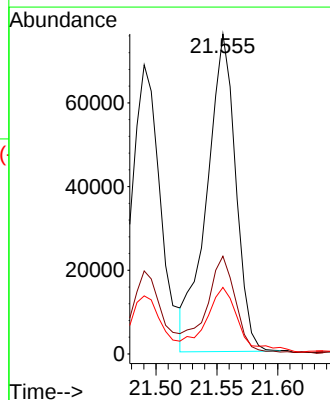
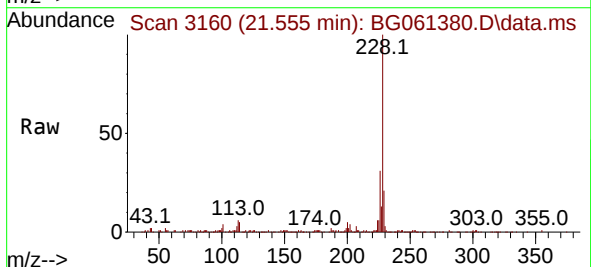
RT: 21.555 min Scan# 3160

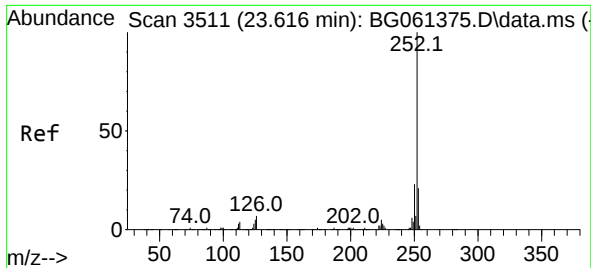
Delta R.T. 0.002 min

Lab File: BG061380.D

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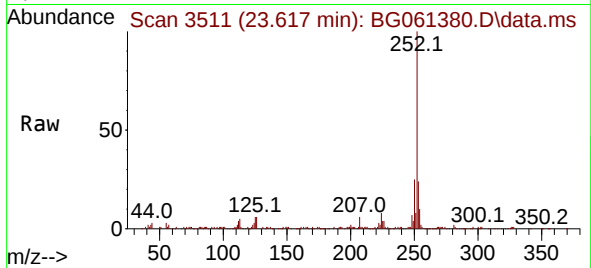
Tgt Ion:	228	Resp:	125639
Ion Ratio	Lower	Upper	
228	100		
226	30.6	23.4	35.0
229	20.8	15.4	23.2





#90
Benzo(b)fluoranthene
Concen: 11.323 ng/ul
RT: 23.617 min Scan# 3511
Delta R.T. 0.002 min
Lab File: BG061380.D
Acq: 31 May 2024 5:27

Instrument :
BNA_G
ClientSampleId :
BH6B5



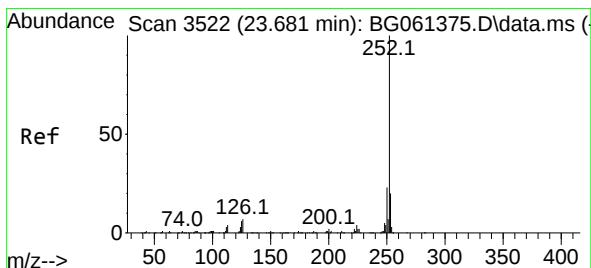
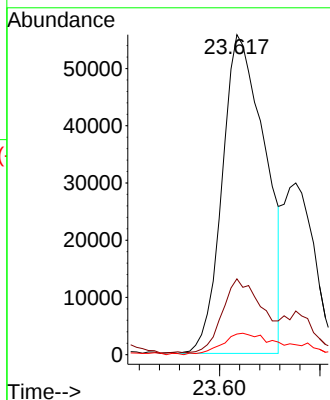
Tgt Ion:252 Resp: 165162
Ion Ratio Lower Upper
252 100
253 23.7 17.8 26.8
125 6.4 4.6 6.8

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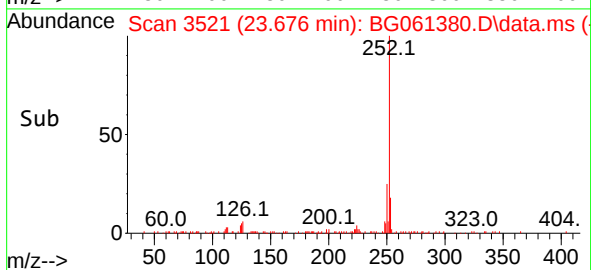
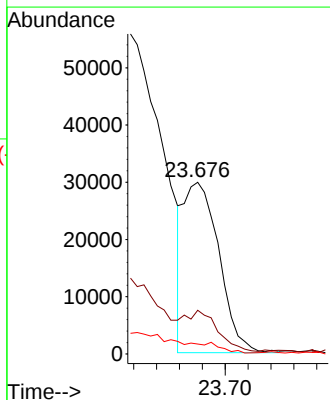
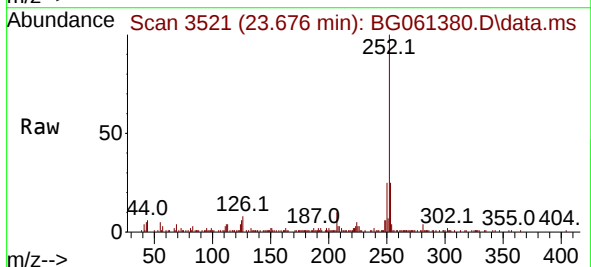
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ahmed

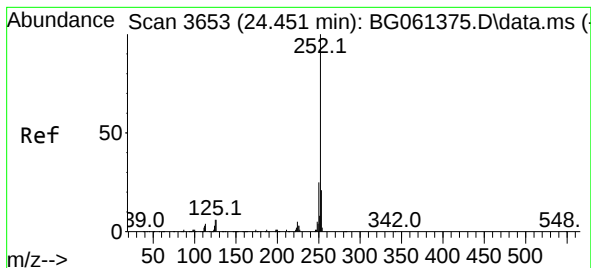
06/01/2024



#91
Benzo(k)fluoranthene
Concen: 4.304 ng/ul m
RT: 23.676 min Scan# 3521
Delta R.T. -0.004 min
Lab File: BG061380.D
Acq: 31 May 2024 5:27

Tgt Ion:252 Resp: 63726
Ion Ratio Lower Upper
252 100
253 25.5 16.0 24.0#
125 5.7 4.3 6.5





#93

Benzo(a)pyrene

Concen: 8.418 ng/ul

RT: 24.451 min Scan# 30

Delta R.T. 0.002 min

Lab File: BG061380.D

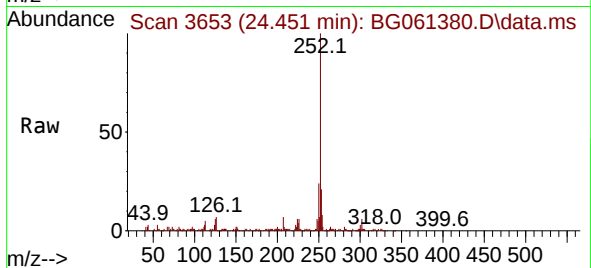
Acq: 31 May 2024 5:27

Instrument :

BNA_G

ClientSampleId :

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Tgt Ion:	252	Resp:	116590
Ion Ratio	Lower	Upper	
252	100		
253	21.4	16.4	24.6
125	5.6	4.3	6.5

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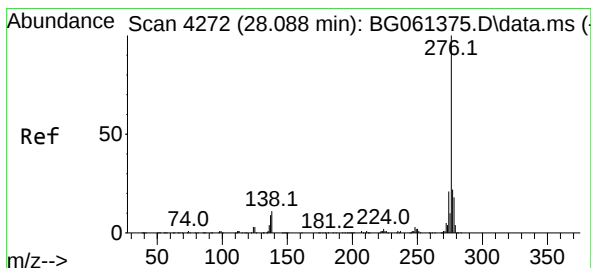
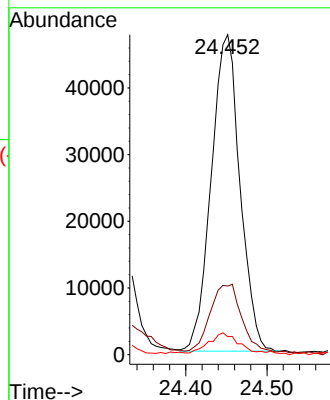
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Supervised By :mohammad
ahmed

06/01/2024



#94

Indeno(1,2,3-cd)pyrene

Concen: 5.030 ng/ul m

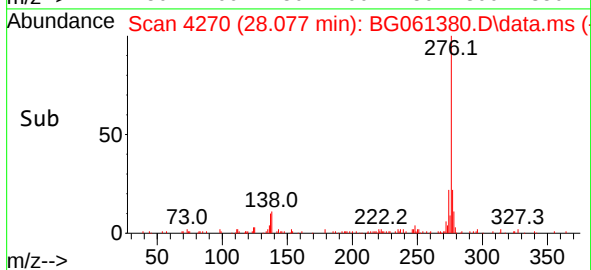
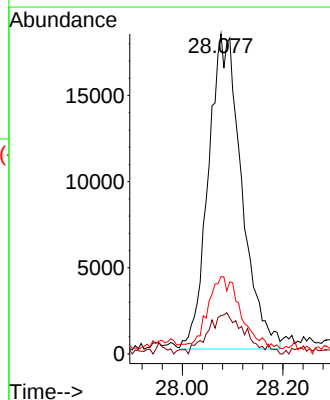
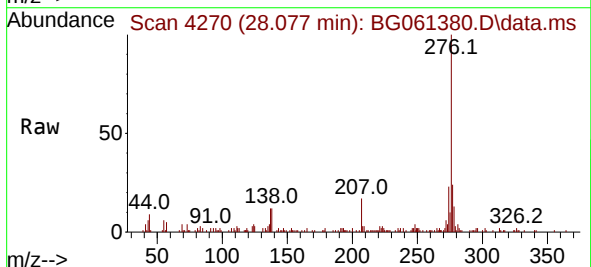
RT: 28.077 min Scan# 4270

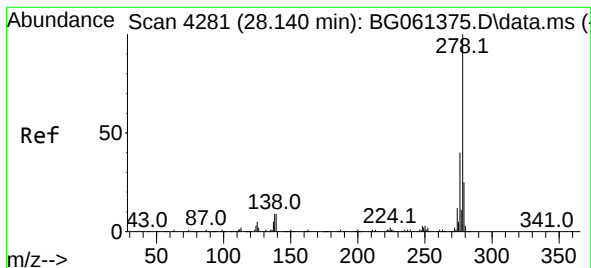
Delta R.T. -0.016 min

Lab File: BG061380.D

Acq: 31 May 2024 5:27

Tgt Ion:	276	Resp:	84252
Ion Ratio	Lower	Upper	
276	100		
138	12.0	8.6	13.0
277	24.2	19.7	29.5





#95

Dibenzo(a,h)anthracene

Concen: 1.592 ng/ul m

RT: 28.124 min Scan# 4281

Delta R.T. -0.016 min

Lab File: BG061380.D

Acq: 31 May 2024 5:27

Instrument :

BNA_G

ClientSampleId :

BH6B5

Tgt Ion:	278	Resp:	2198
Ion Ratio	Lower	Upper	
278	100		
139	13.1	6.4	9.6
279	30.2	19.9	29.9

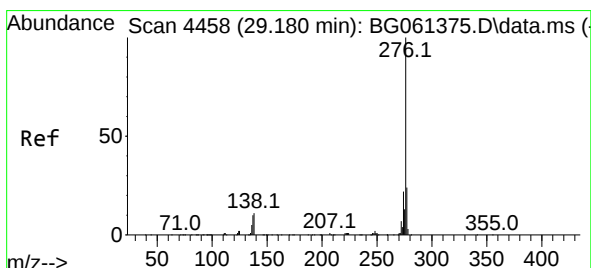
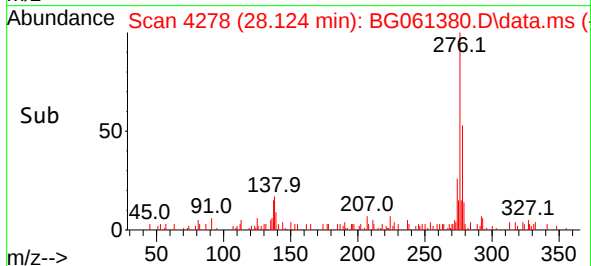
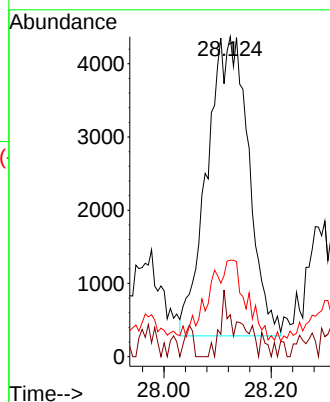
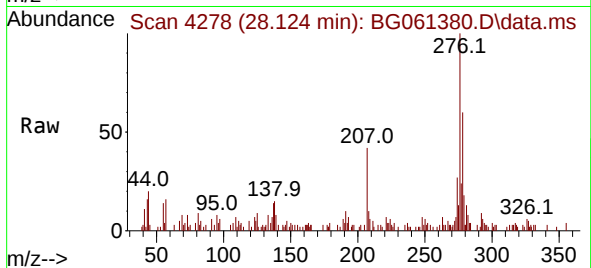
Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 05/31/2024
Supervised By :mohammad ahmed 06/01/2024

05/31/2024
Supervised By :mohammad
ahmed

06/01/2024



#96

Benzo(g,h,i)perylene

Concen: 5.791 ng/ul m

RT: 29.181 min Scan# 4458

Delta R.T. 0.008 min

Lab File: BG061380.D

Acq: 31 May 2024 5:27

Tgt Ion:	276	Resp:	77157
Ion Ratio	Lower	Upper	
276	100		
138	13.0	8.7	13.1
277	24.4	18.2	27.2

