

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG053024\
 Data File : BG061388.D
 Acq On : 31 May 2024 10:51
 Operator : MA/JU
 Sample : P2570-20
 Misc :
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 BH652

Manual Integrations
 APPROVED

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

Quant Time: May 31 11:30:16 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

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.876	152	38672	20.000	ng/u1	0.00
20) Naphthalene-d8	10.666	136	146337	20.000	ng/u1	# 0.00
38) Acenaphthene-d10	14.509	164	105505	20.000	ng/u1	0.00
64) Phenanthrene-d10	17.259	188	229870	20.000	ng/u1	# 0.00
79) Chrysene-d12	21.513	240	241844	20.000	ng/u1	0.00
88) Perylene-d12	24.609	264	268903	20.000	ng/u1	0.01
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.346	96	2515	3.639	ng/uL	0.01
4) Pyridine-d5	3.745	84	36025	14.654	ng/u1	0.00
7) Phenol-d5	7.059	99	63575	20.019	ng/u1	0.00
9) Bis-(2-Chloroethyl)eth...	7.206	67	38212	19.143	ng/u1	0.00
11) 2-Chlorophenol-d4	7.417	132	52726	22.434	ng/u1	0.00
15) 4-Methylphenol-d8	8.592	113	47053	17.376	ng/u1	0.00
21) Nitrobenzene-d5	9.033	128	26460	23.485	ng/u1	0.00
24) 2-Nitrophenol-d4	9.750	143	31067	23.560	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	10.302	165	60775	23.642	ng/u1	0.00
31) 4-Chloroaniline-d4	10.807	131	23533	6.997	ng/u1	0.00
46) Dimethylphthalate-d6	13.916	166	184368	22.531	ng/u1	0.00
49) Acenaphthylene-d8	14.203	160	206593	24.285	ng/u1	0.00
54) 4-Nitrophenol-d4	14.744	143	18673	18.458	ng/u1	0.00
60) Fluorene-d10	15.508	176	161160	22.812	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	15.643	200	18461	13.278	ng/u1	0.00
73) Anthracene-d10	17.359	188	254541	25.117	ng/u1	0.00
81) Pyrene-d10	19.656	212	305812	24.627	ng/u1	0.00
92) Benzo(a)pyrene-d12	24.392	264	328289	25.394	ng/u1	0.00
Target Compounds					Qvalue	
72) Phenanthrene	17.300	178	111884	10.028	ng/u1	95
74) Anthracene	17.394	178	15030	1.303	ng/u1	99
77) Carbazole	17.664	167	11830	1.261	ng/u1	97
80) Fluoranthene	19.321	202	384341	25.801	ng/u1	99
82) Pyrene	19.679	202	363091	23.482	ng/u1	99
83) Butylbenzylphthalate	20.572	149	30133	5.673	ng/u1	97
85) Benzo(a)anthracene	21.495	228	201101	12.051	ng/u1	97
87) Chrysene	21.560	228	231711	15.080	ng/u1	96
90) Benzo(b)fluoranthene	23.628	252	320069	19.991	ng/u1	98
91) Benzo(k)fluoranthene	23.686	252	110277	6.785	ng/u1	96
93) Benzo(a)pyrene	24.456	252	207634	13.658	ng/u1	96
94) Indeno(1,2,3-cd)pyrene	28.105	276	143450m	7.803	ng/u1	
95) Dibenzo(a,h)anthracene	28.152	278	34715m	2.290	ng/u1	
96) Benzo(g,h,i)perylene	29.192	276	120556m	8.243	ng/u1	

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

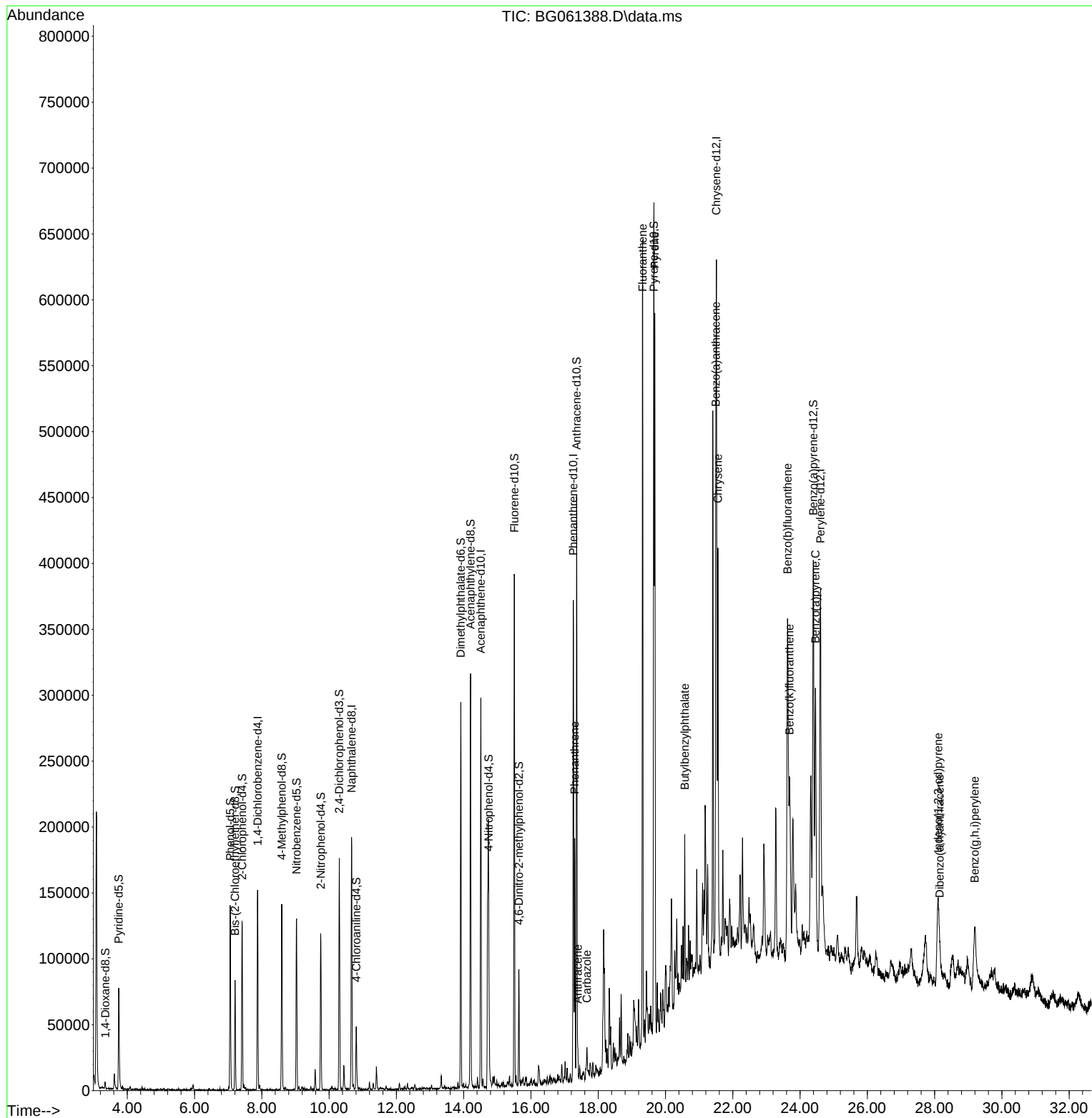
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG053024\
Data File : BG061388.D
Acq On : 31 May 2024 10:51
Operator : MA/JU
Sample : P2570-20
Misc :
ALS Vial : 30 Sample Multiplier: 1

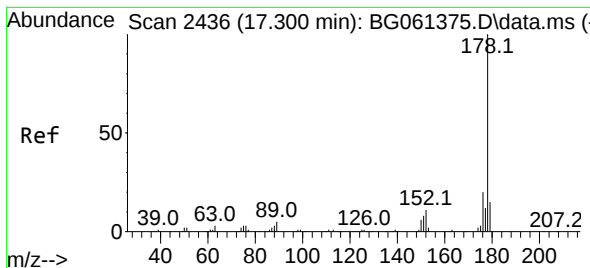
Instrument :
BNA_G
ClientSampleId :
BH652

Manual Integrations
APPROVED

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

Quant Time: May 31 11:30:16 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





#72

Phenanthrene

Concen: 10.028 ng/ul

RT: 17.300 min Scan# 2436

Delta R.T. 0.000 min

Lab File: BG061388.D

Acq: 31 May 2024 10:51

Instrument :

BNA_G

ClientSampleId :

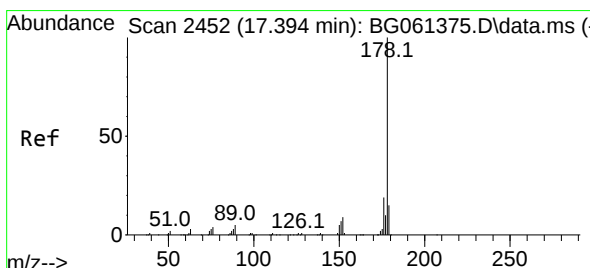
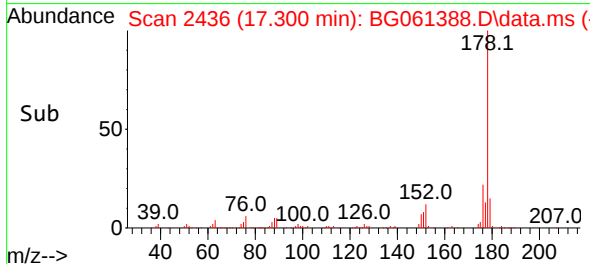
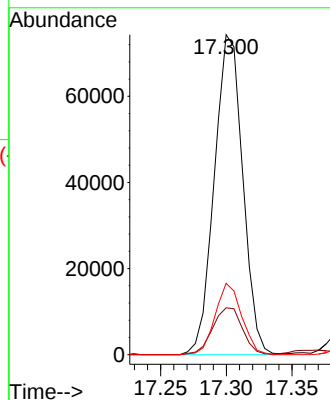
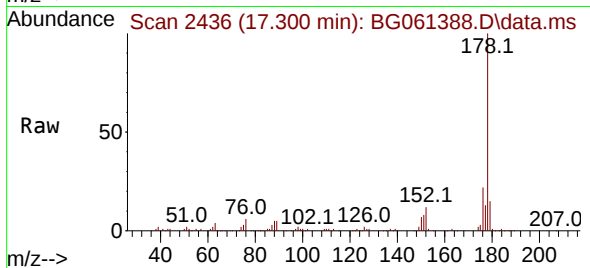
BH652

Tgt Ion:	178	Resp:	111884
Ion Ratio	Lower	Upper	
178	100		
179	14.6	12.7	19.1
176	22.3	15.5	23.3

Manual Integrations

APPROVED

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



#74

Anthracene

Concen: 1.303 ng/ul

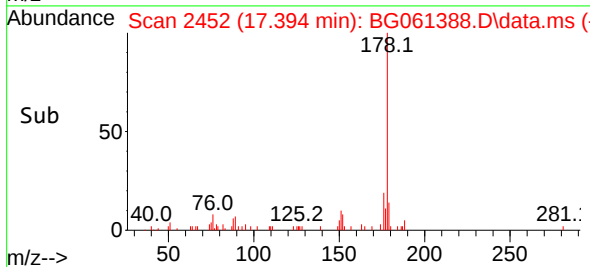
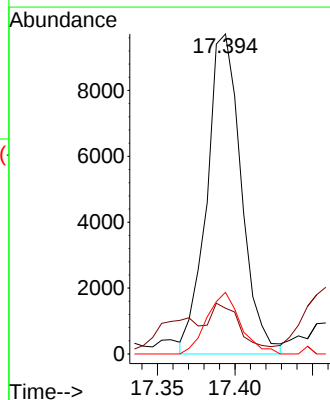
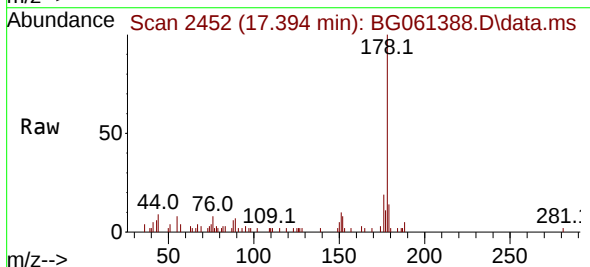
RT: 17.394 min Scan# 2452

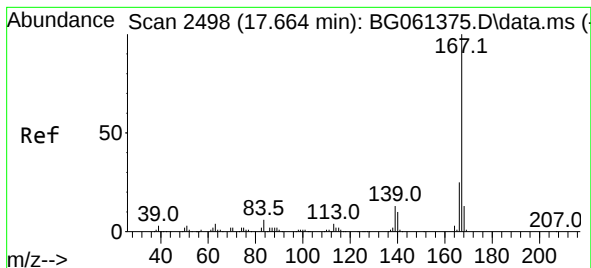
Delta R.T. 0.000 min

Lab File: BG061388.D

Acq: 31 May 2024 10:51

Tgt Ion:	178	Resp:	15030
Ion Ratio	Lower	Upper	
178	100		
179	14.3	11.8	17.6
176	19.3	14.9	22.3





#77

Carbazole

Concen: 1.261 ng/ul

RT: 17.664 min Scan# 2498

Delta R.T. 0.000 min

Lab File: BG061388.D

Acq: 31 May 2024 10:51

Instrument :

BNA_G

ClientSampleId :

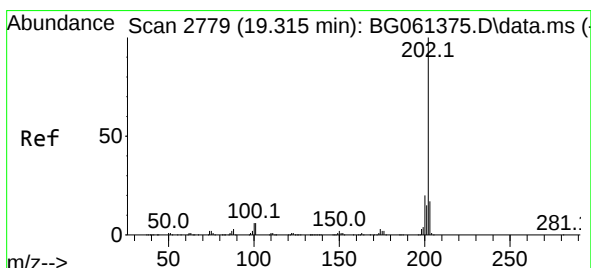
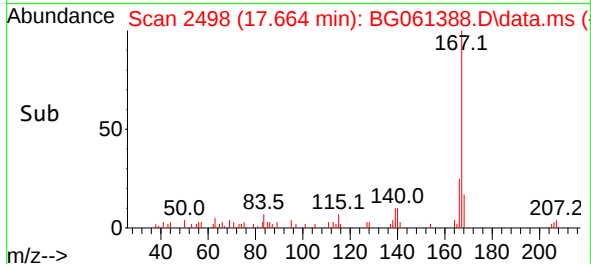
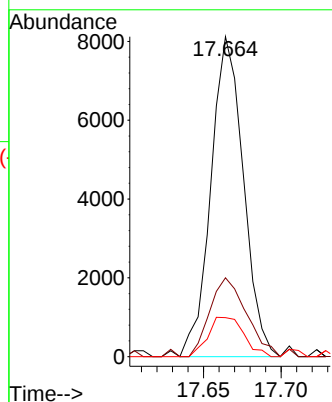
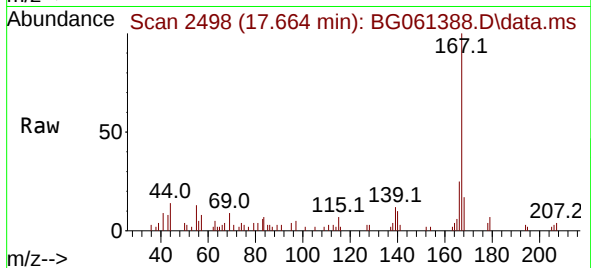
BH652

Tgt Ion:	167	Resp:	11830
Ion Ratio	Lower	Upper	
167	100		
166	24.7	18.6	28.0
139	12.2	10.6	15.8

Manual Integrations

APPROVED

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



#80

Fluoranthene

Concen: 25.801 ng/ul

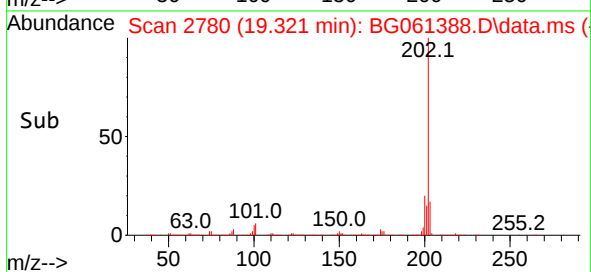
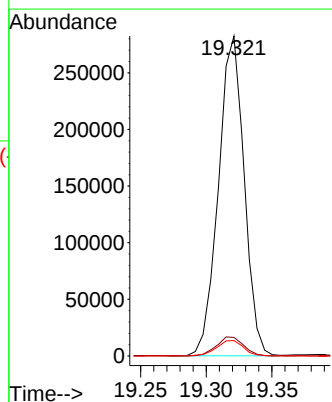
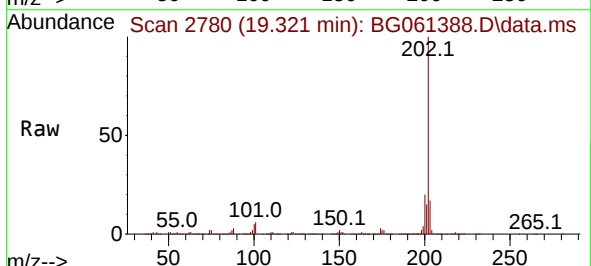
RT: 19.321 min Scan# 2780

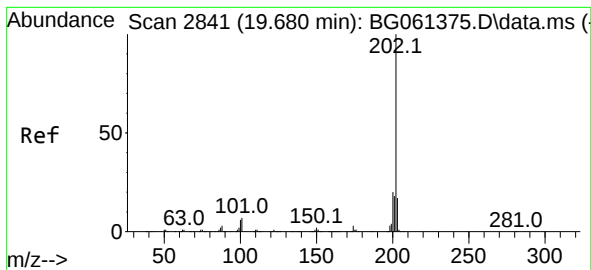
Delta R.T. 0.006 min

Lab File: BG061388.D

Acq: 31 May 2024 10:51

Tgt Ion:	202	Resp:	384341
Ion Ratio	Lower	Upper	
202	100		
101	5.8	4.8	7.2
100	4.8	4.1	6.1





#82

Pyrene

Concen: 23.482 ng/ul

RT: 19.679 min Scan# 2841

Delta R.T. 0.000 min

Lab File: BG061388.D

Acq: 31 May 2024 10:51

Instrument :

BNA_G

ClientSampleId :

BH652

Tgt Ion:202 Resp: 36309

Ion Ratio Lower Upper

202 100

101 7.4 5.7 8.5

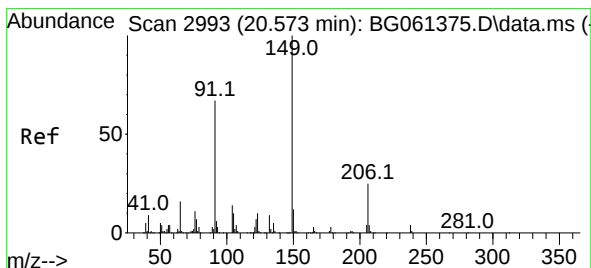
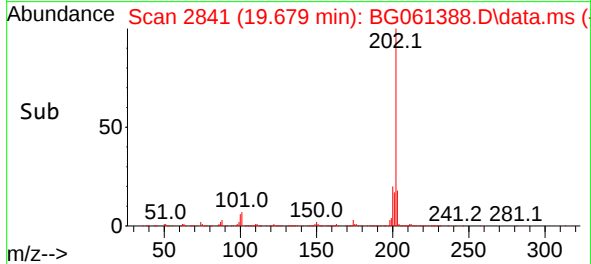
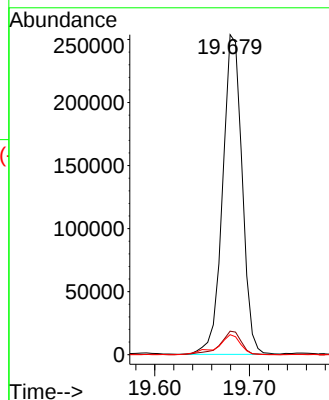
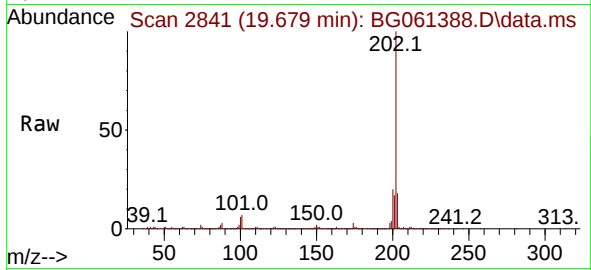
100 6.3 5.1 7.7

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 05/31/2024

Supervised By :mohammad ahmed 06/01/2024



#83

Butylbenzylphthalate

Concen: 5.673 ng/ul

RT: 20.572 min Scan# 2993

Delta R.T. 0.000 min

Lab File: BG061388.D

Acq: 31 May 2024 10:51

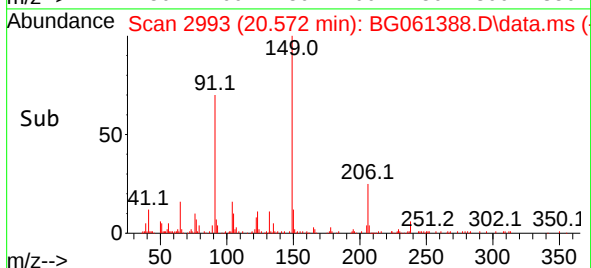
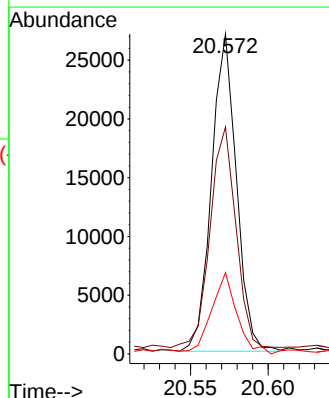
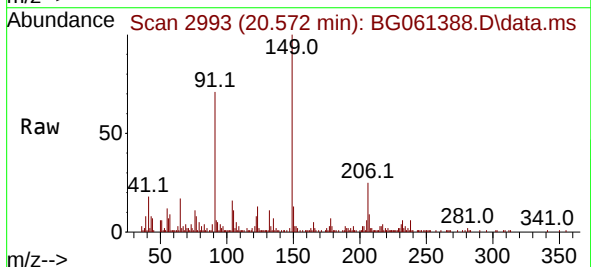
Tgt Ion:149 Resp: 30133

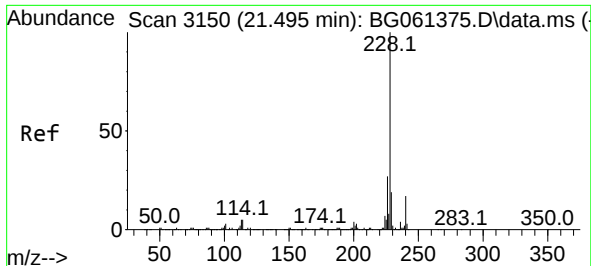
Ion Ratio Lower Upper

149 100

91 70.9 54.8 82.2

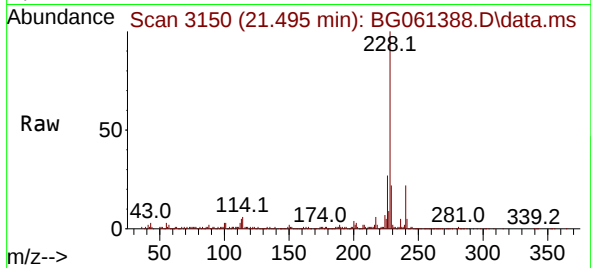
206 25.4 19.4 29.0





#85
Benzo(a)anthracene
Concen: 12.051 ng/u1
RT: 21.495 min Scan# 3150
Delta R.T. 0.000 min
Lab File: BG061388.D
Acq: 31 May 2024 10:51

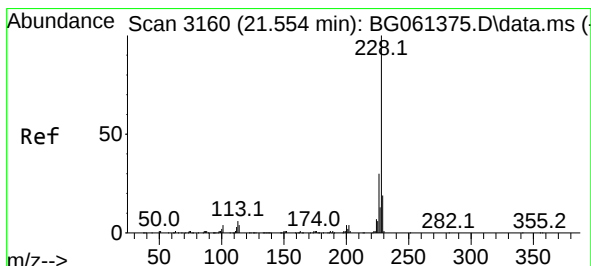
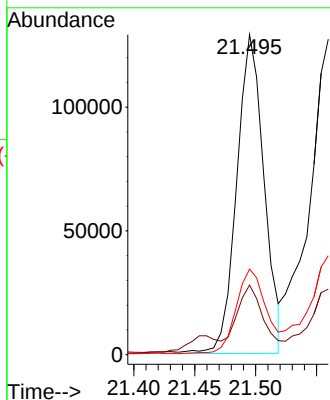
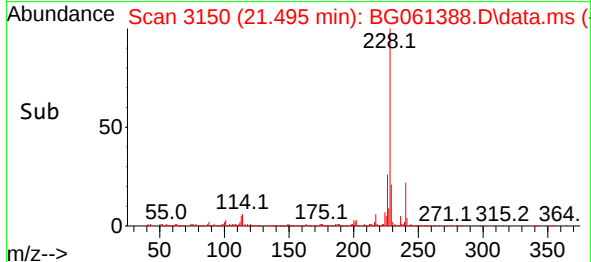
Instrument :
BNA_G
ClientSampleId :
BH652



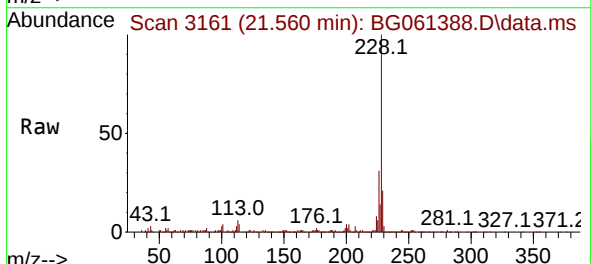
Tgt Ion:228 Resp: 20110
Ion Ratio Lower Upper
228 100
229 21.8 15.2 22.8
226 26.7 21.4 32.2

Manual Integrations
APPROVED

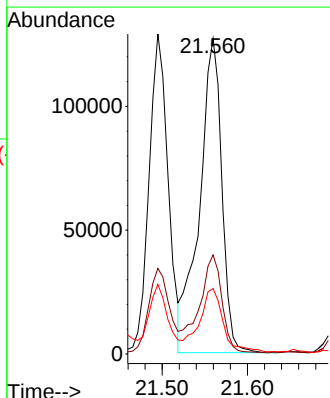
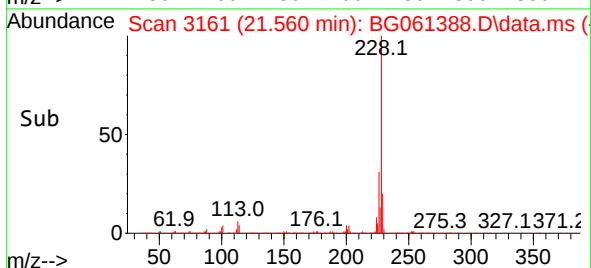
Reviewed By :Jagrut Upadhyay 05/31/2024
Supervised By :mohammad ahmed 06/01/2024

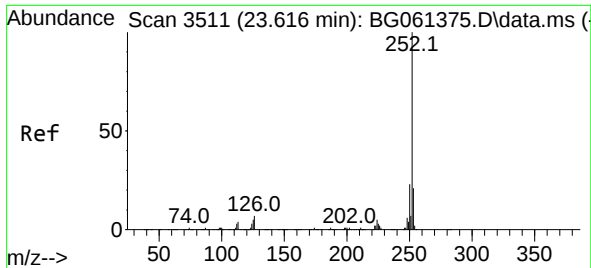


#87
Chrysene
Concen: 15.080 ng/u1
RT: 21.560 min Scan# 3161
Delta R.T. 0.006 min
Lab File: BG061388.D
Acq: 31 May 2024 10:51



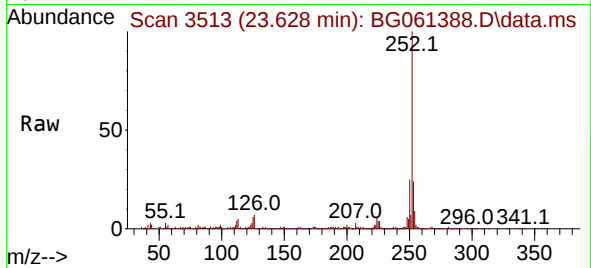
Tgt Ion:228 Resp: 231711
Ion Ratio Lower Upper
228 100
226 31.4 23.4 35.0
229 20.8 15.4 23.2





#90
Benzo(b)fluoranthene
Concen: 19.991 ng/u1
RT: 23.628 min Scan# 3513
Delta R.T. 0.012 min
Lab File: BG061388.D
Acq: 31 May 2024 10:51

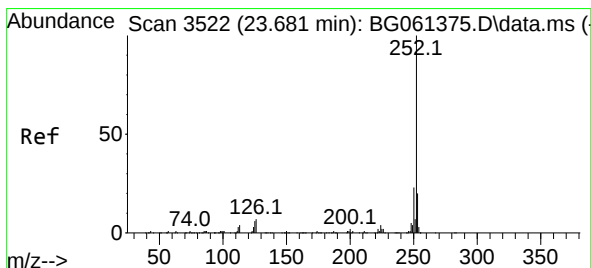
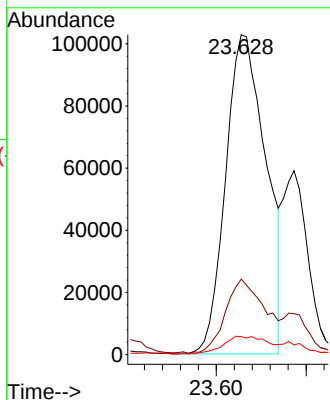
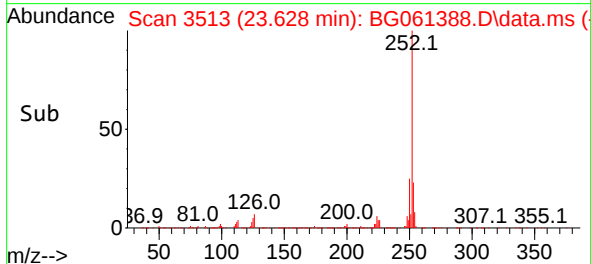
Instrument :
BNA_G
ClientSampleId :
BH652



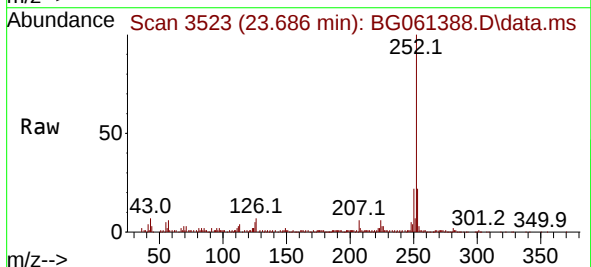
Tgt Ion:252 Resp: 320069
Ion Ratio Lower Upper
252 100
253 23.6 17.8 26.8
125 5.7 4.6 6.8

Manual Integrations
APPROVED

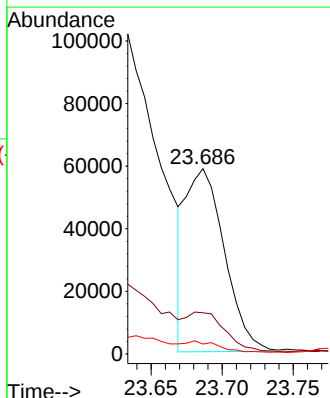
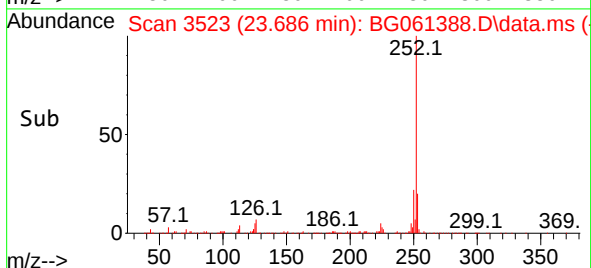
Reviewed By :Jagrut Upadhyay 05/31/2024
Supervised By :mohammad ahmed 06/01/2024

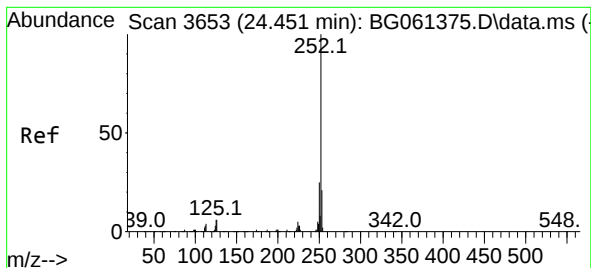


#91
Benzo(k)fluoranthene
Concen: 6.785 ng/u1
RT: 23.686 min Scan# 3523
Delta R.T. 0.006 min
Lab File: BG061388.D
Acq: 31 May 2024 10:51



Tgt Ion:252 Resp: 110277
Ion Ratio Lower Upper
252 100
253 22.2 16.0 24.0
125 5.3 4.3 6.5





#93

Benzo(a)pyrene

Concen: 13.658 ng/ul

RT: 24.456 min Scan# 3

Delta R.T. 0.006 min

Lab File: BG061388.D

Acq: 31 May 2024 10:51

Instrument :

BNA_G

ClientSampleId :

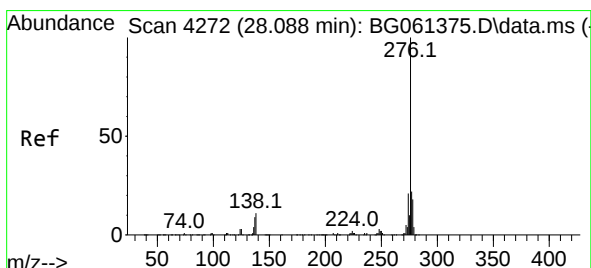
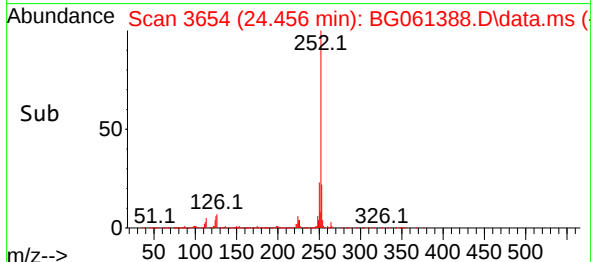
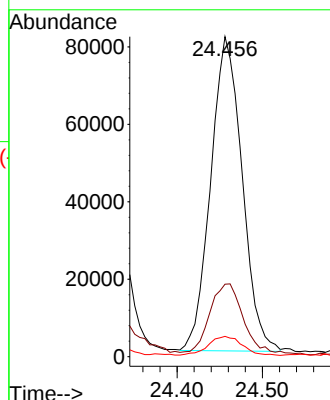
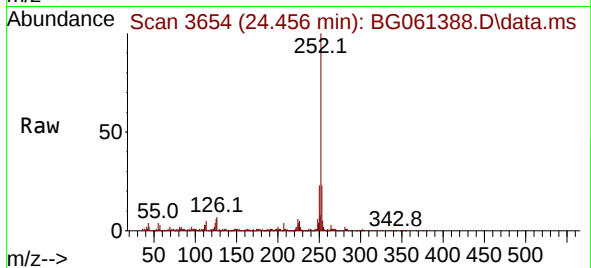
BH652

Tgt Ion:	252	Resp:	207634
Ion Ratio	Lower	Upper	
252	100		
253	22.6	16.4	24.6
125	6.3	4.3	6.5

Manual Integrations

APPROVED

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



#94

Indeno(1,2,3-cd)pyrene

Concen: 7.803 ng/ul m

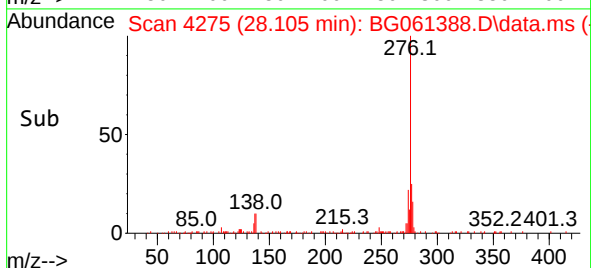
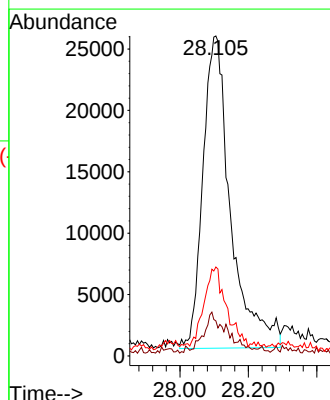
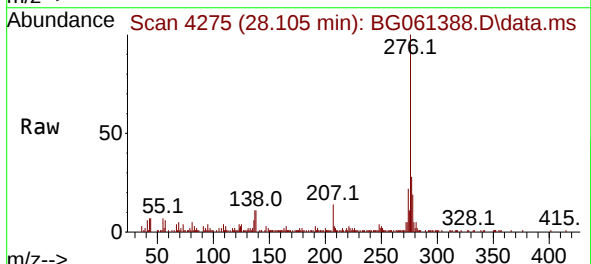
RT: 28.105 min Scan# 4275

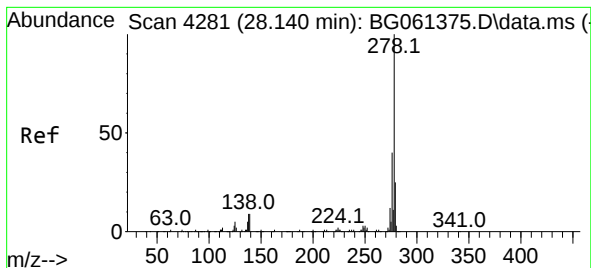
Delta R.T. 0.012 min

Lab File: BG061388.D

Acq: 31 May 2024 10:51

Tgt Ion:	276	Resp:	143450
Ion Ratio	Lower	Upper	
276	100		
138	11.0	8.6	13.0
277	27.8	19.7	29.5





#95

Dibenzo(a,h)anthracene

Concen: 2.290 ng/ul m

RT: 28.152 min Scan# 41

Delta R.T. 0.012 min

Lab File: BG061388.D

Acq: 31 May 2024 10:51

Instrument :

BNA_G

ClientSampleId :

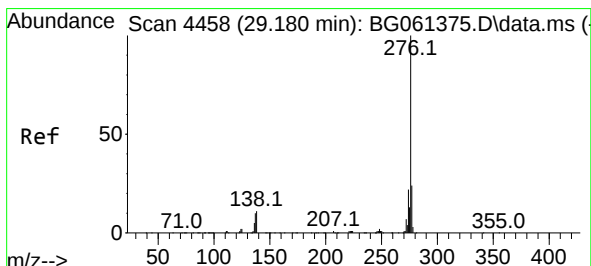
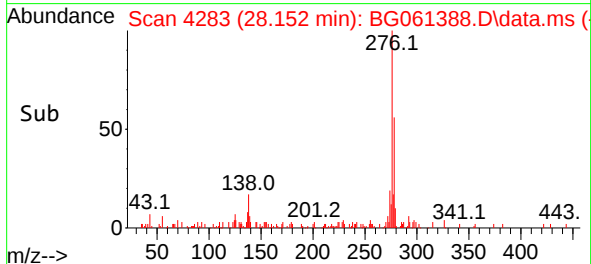
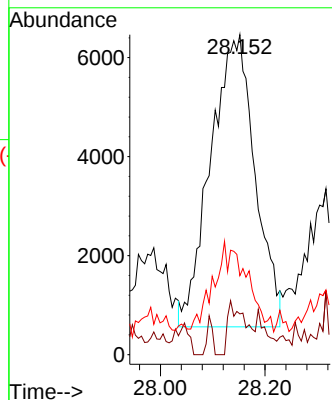
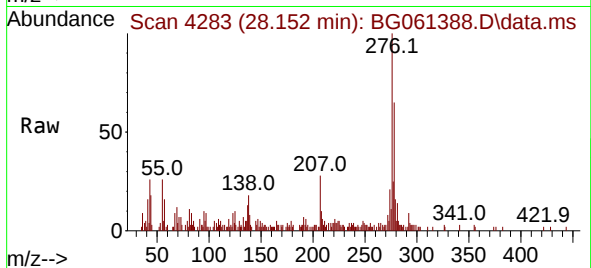
BH652

Tgt Ion:	278	Resp:	3471
Ion Ratio	Lower	Upper	
278	100		
139	12.8	6.4	9.6
279	24.7	19.9	29.9

Manual Integrations

APPROVED

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



#96

Benzo(g,h,i)perylene

Concen: 8.243 ng/ul m

RT: 29.192 min Scan# 4460

Delta R.T. 0.018 min

Lab File: BG061388.D

Acq: 31 May 2024 10:51

Tgt Ion:	276	Resp:	120556
Ion Ratio	Lower	Upper	
276	100		
138	12.4	8.7	13.1
277	24.5	18.2	27.2

