

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG053024\
 Data File : BG061389.D
 Acq On : 31 May 2024 11:36
 Operator : MA/JU
 Sample : P2570-08DL 2X
 Misc :
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 BH6B6DL

Manual Integrations
 APPROVED

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

Quant Time: May 31 12:28:09 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	7.871	152	30580	20.000	ng/u1	0.00
20) Naphthalene-d8	10.668	136	118719	20.000	ng/u1	# 0.00
38) Acenaphthene-d10	14.510	164	84242	20.000	ng/u1	0.00
64) Phenanthrene-d10	17.260	188	182462	20.000	ng/u1	# 0.00
79) Chrysene-d12	21.514	240	195586	20.000	ng/u1	0.00
88) Perylene-d12	24.604	264	223912	20.000	ng/u1	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.341	96	1317	2.410	ng/uL	0.00
4) Pyridine-d5	3.747	84	14161	7.284	ng/u1	0.00
7) Phenol-d5	7.060	99	29090	11.584	ng/u1	0.00
9) Bis-(2-Chloroethyl)eth...	7.201	67	18857	11.947	ng/u1	0.00
11) 2-Chlorophenol-d4	7.413	132	23993	12.910	ng/u1	0.00
15) 4-Methylphenol-d8	8.594	113	19370	9.046	ng/u1	0.00
21) Nitrobenzene-d5	9.029	128	11587	12.677	ng/u1	0.00
24) 2-Nitrophenol-d4	9.751	143	13501	12.621	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	10.304	165	26655	12.781	ng/u1	0.00
31) 4-Chloroaniline-d4	10.803	131	18232m	6.682	ng/u1	0.00
46) Dimethylphthalate-d6	13.917	166	81235	12.433	ng/u1	0.00
49) Acenaphthylene-d8	14.205	160	91210	13.428	ng/u1	0.00
54) 4-Nitrophenol-d4	14.757	143	7756	9.602	ng/u1	0.02
60) Fluorene-d10	15.503	176	72568	12.865	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	15.644	200	4247	3.848	ng/u1	0.00
73) Anthracene-d10	17.360	188	112206	13.949	ng/u1	0.00
81) Pyrene-d10	19.651	212	140108	13.952	ng/u1	0.00
92) Benzo(a)pyrene-d12	24.393	264	151542	14.078	ng/u1	0.00
Target Compounds					Qvalue	
30) Naphthalene	10.721	128	11897	1.899	ng/u1	99
36) 2-Methylnaphthalene	12.331	142	6751	1.486	ng/u1	91
37) 1-Methylnaphthalene	12.548	142	6669	1.430	ng/u1#	99
52) Acenaphthene	14.575	153	28765	5.822	ng/u1	90
56) Dibenzofuran	14.910	168	27136	3.841	ng/u1	97
61) Fluorene	15.562	166	27541	4.506	ng/u1	92
72) Phenanthrene	17.307	178	376774	42.545	ng/u1	99
74) Anthracene	17.395	178	80728	8.816	ng/u1	98
77) Carbazole	17.665	167	34305	4.606	ng/u1	99
80) Fluoranthene	19.322	202	409871	34.022	ng/u1	100
82) Pyrene	19.681	202	360798	28.852	ng/u1	100
85) Benzo(a)anthracene	21.496	228	195944	14.519	ng/u1	96
87) Chrysene	21.561	228	172945	13.917	ng/u1	98
90) Benzo(b)fluoranthene	23.629	252	199209	14.943	ng/u1	99
91) Benzo(k)fluoranthene	23.688	252	71250m	5.265	ng/u1	
93) Benzo(a)pyrene	24.458	252	141425	11.172	ng/u1#	94
94) Indeno(1,2,3-cd)pyrene	28.100	276	72947m	4.765	ng/u1	
95) Dibenzo(a,h)anthracene	28.153	278	21652m	1.715	ng/u1	
96) Benzo(g,h,i)perylene	29.199	276	69104m	5.674	ng/u1	

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

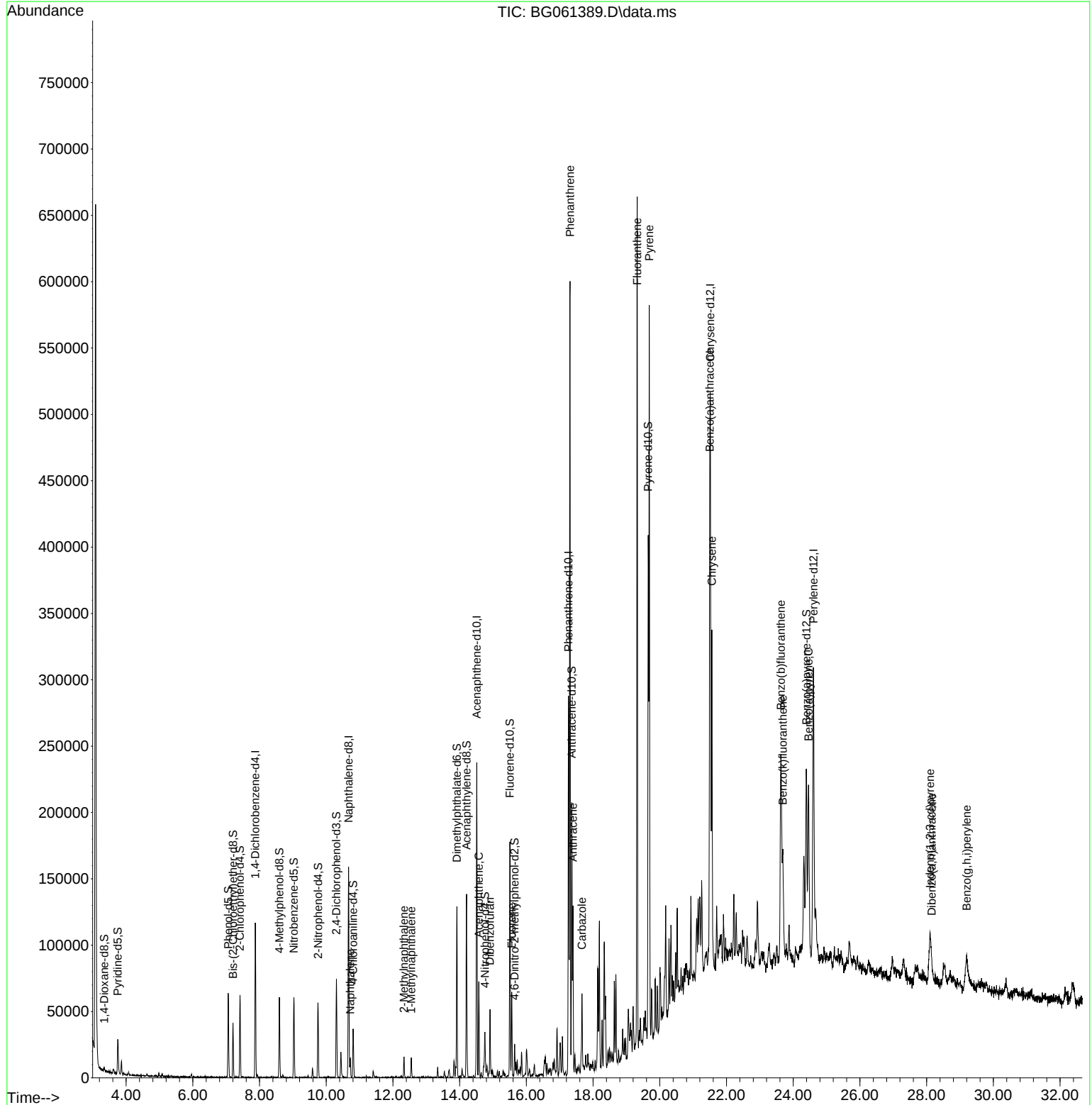
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG053024\
Data File : BG061389.D
Acq On : 31 May 2024 11:36
Operator : MA/JU
Sample : P2570-08DL 2X
Misc :
ALS Vial : 31 Sample Multiplier: 1

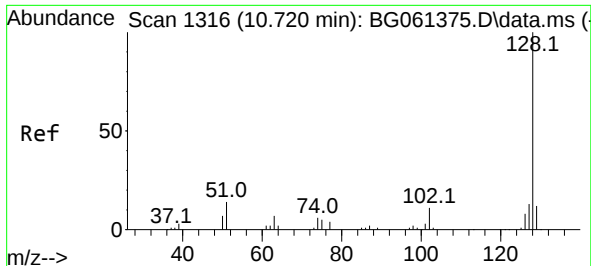
Instrument :
BNA_G
ClientSampleId :
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Quant Time: May 31 12:28:09 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG052124.MA.M
Quant Title : SVOA CALIBRATION
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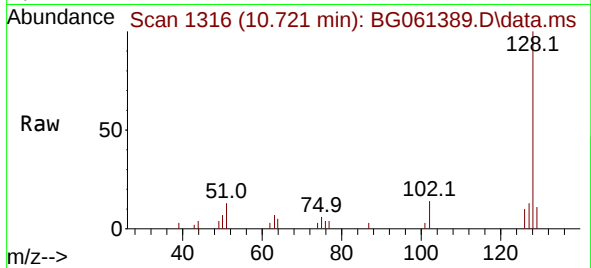
Reviewed By :Jagrut Upadhyay 05/31/2024
Supervised By :mohammad ahmed 06/01/2024





#30
Naphthalene
Concen: 1.899 ng/ul
RT: 10.721 min Scan# 1189
Delta R.T. 0.002 min
Lab File: BG061389.D
Acq: 31 May 2024 11:36

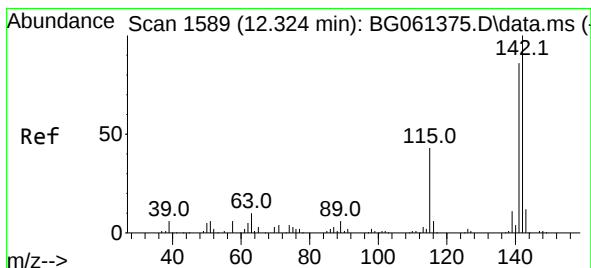
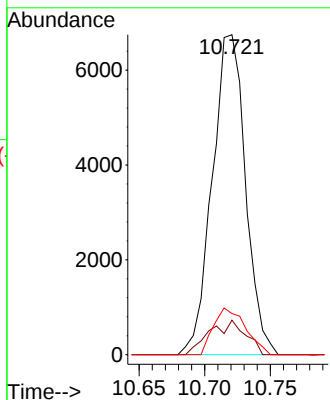
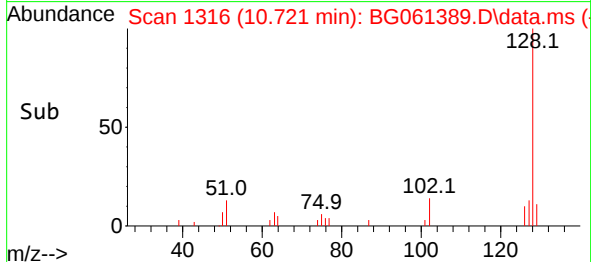
Instrument :
BNA_G
ClientSampleId :
BH6B6DL



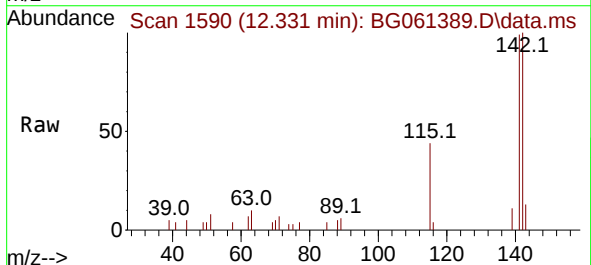
Tgt Ion:128 Resp: 1189
Ion Ratio Lower Upper
128 100
129 10.8 8.6 12.8
127 12.8 10.8 16.2

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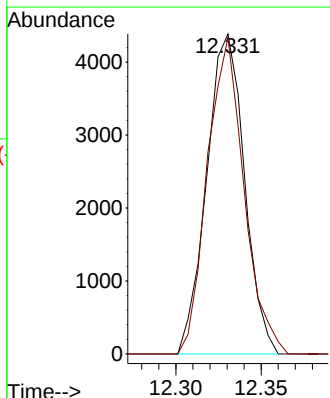
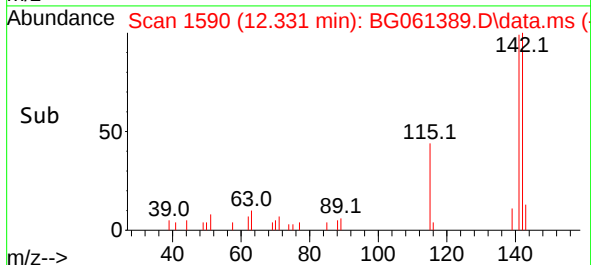
Reviewed By :Jagrut Upadhyay 05/31/2024
Supervised By :mohammad ahmed 06/01/2024

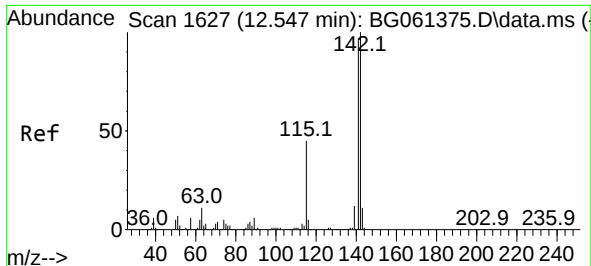


#36
2-Methylnaphthalene
Concen: 1.486 ng/ul
RT: 12.331 min Scan# 1590
Delta R.T. 0.002 min
Lab File: BG061389.D
Acq: 31 May 2024 11:36



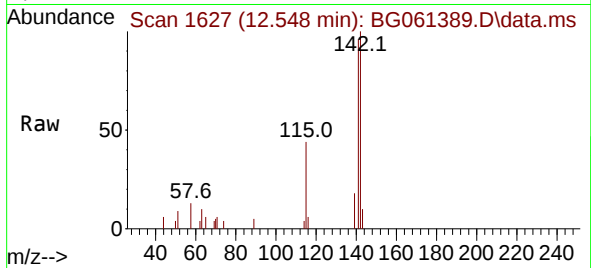
Tgt Ion:142 Resp: 6751
Ion Ratio Lower Upper
142 100
141 98.9 72.2 108.2





#37
1-Methylnaphthalene
Concen: 1.430 ng/ul
RT: 12.548 min Scan# 1627
Delta R.T. 0.002 min
Lab File: BG061389.D
Acq: 31 May 2024 11:36

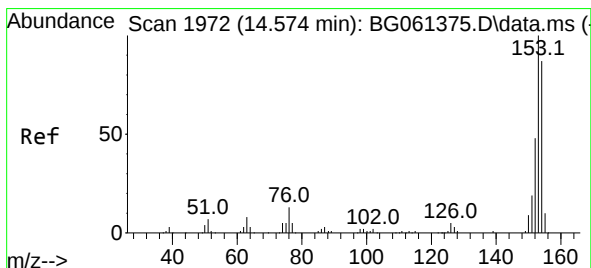
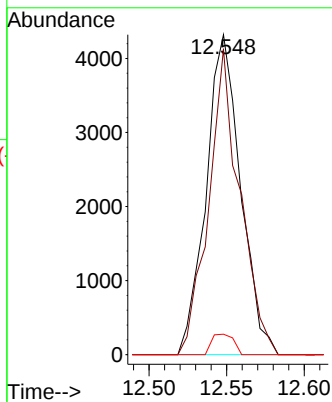
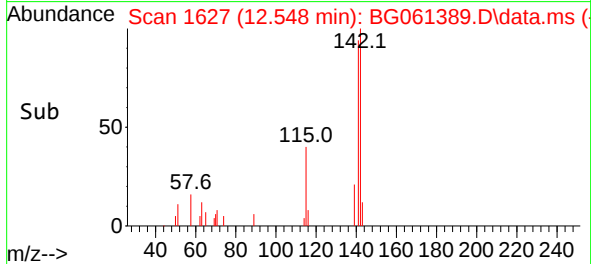
Instrument :
BNA_G
ClientSampleId :
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Tgt Ion:142 Resp: 6669
Ion Ratio Lower Upper
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141 95.6 75.5 113.3
116 6.4 4.0 6.0

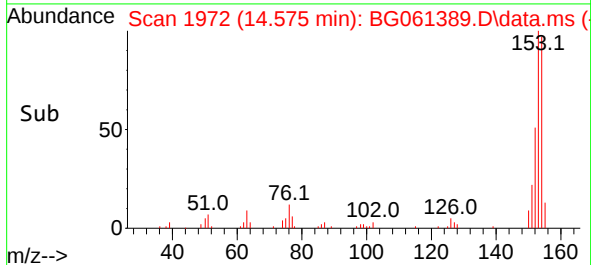
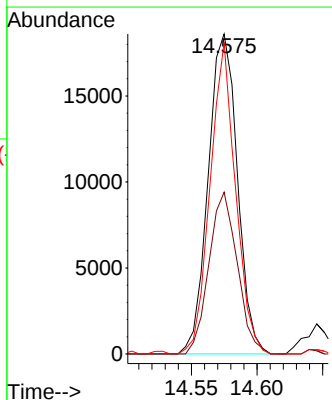
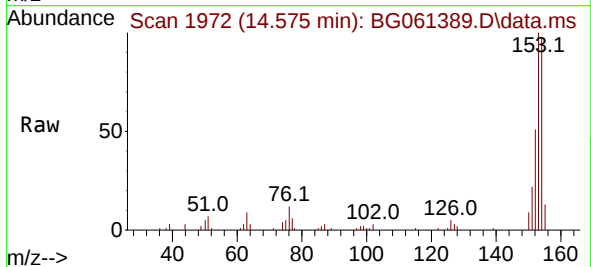
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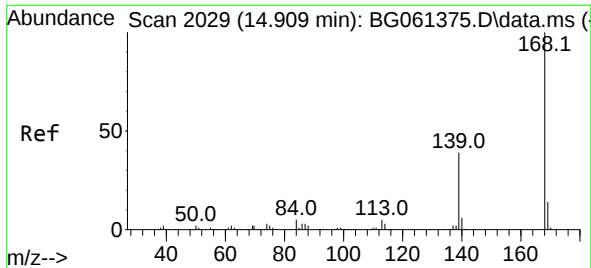
Reviewed By :Jagrut Upadhyay 05/31/2024
Supervised By :mohammad ahmed 06/01/2024



#52
Acenaphthene
Concen: 5.822 ng/ul
RT: 14.575 min Scan# 1972
Delta R.T. 0.002 min
Lab File: BG061389.D
Acq: 31 May 2024 11:36

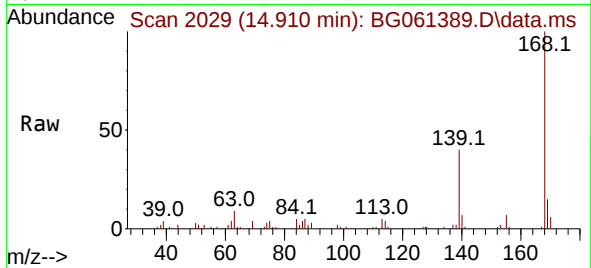
Tgt Ion:153 Resp: 28765
Ion Ratio Lower Upper
153 100
152 50.5 37.8 56.8
154 97.4 69.0 103.6





#56
Dibenzenofuran
Concen: 3.841 ng/ul
RT: 14.910 min Scan# 2029
Delta R.T. 0.002 min
Lab File: BG061389.D
Acq: 31 May 2024 11:36

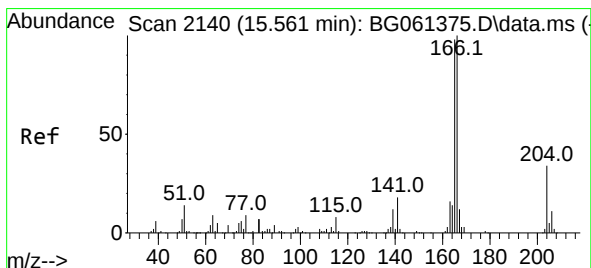
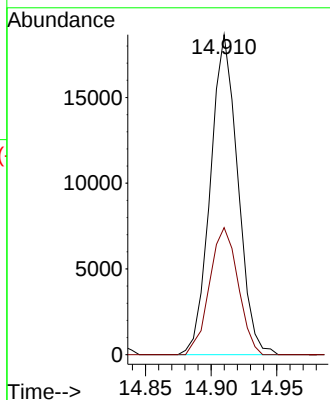
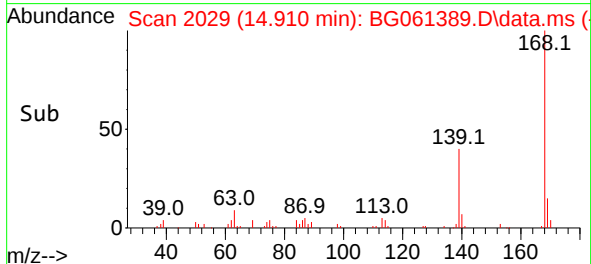
Instrument :
BNA_G
ClientSampleId :
BH6B6DL



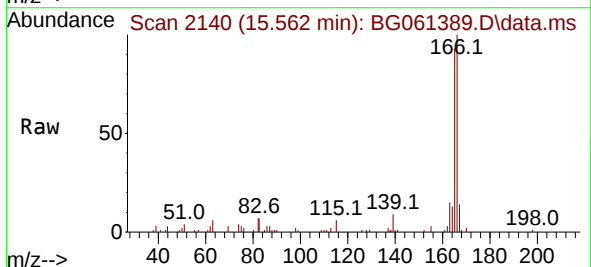
Tgt Ion:168 Resp: 27130
Ion Ratio Lower Upper
168 100
139 39.7 33.4 50.2

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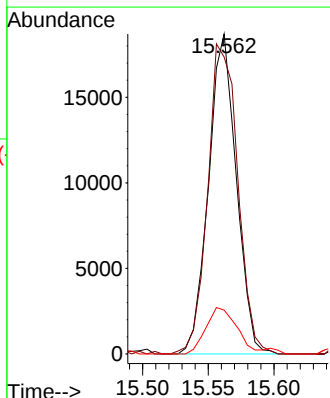
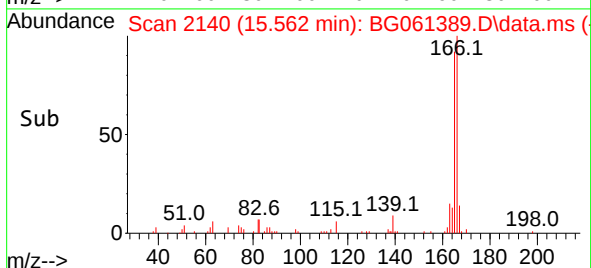
Reviewed By :Jagrut Upadhyay 05/31/2024
Supervised By :mohammad ahmed 06/01/2024

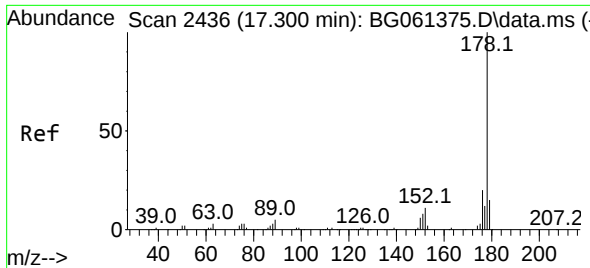


#61
Fluorene
Concen: 4.506 ng/ul
RT: 15.562 min Scan# 2140
Delta R.T. 0.002 min
Lab File: BG061389.D
Acq: 31 May 2024 11:36



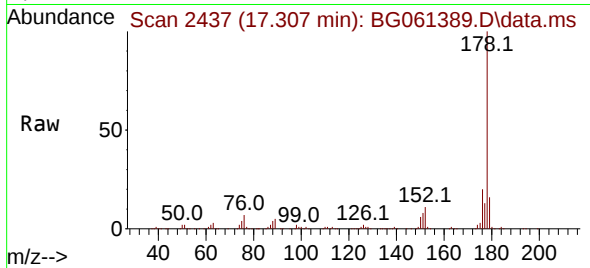
Tgt Ion:166 Resp: 27541
Ion Ratio Lower Upper
166 100
165 92.8 81.8 122.8
167 13.7 10.6 16.0





#72
Phenanthrene
Concen: 42.545 ng/u1
RT: 17.307 min Scan# 2437
Delta R.T. 0.008 min
Lab File: BG061389.D
Acq: 31 May 2024 11:36

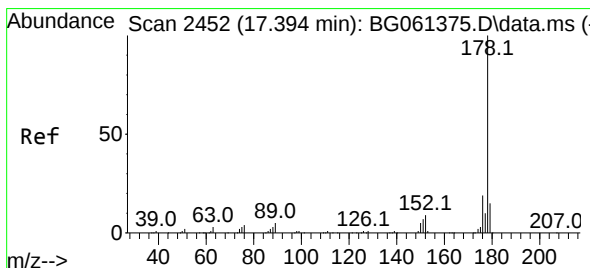
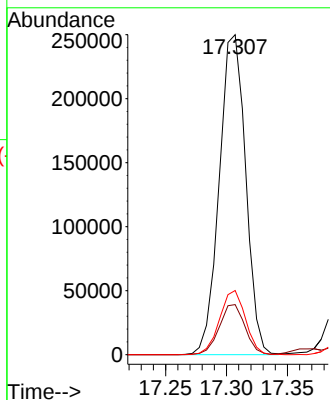
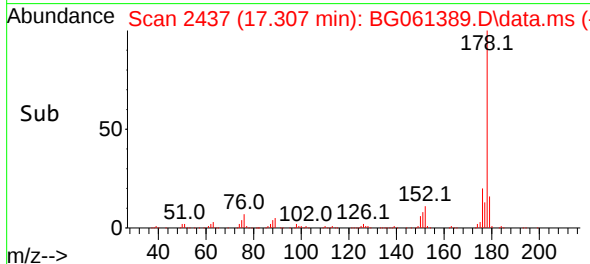
Instrument :
BNA_G
ClientSampleId :
BH6B6DL



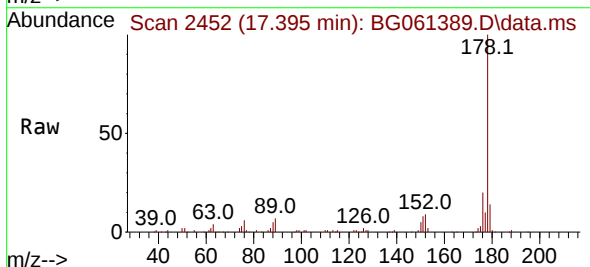
Tgt Ion:178 Resp: 376774
Ion Ratio Lower Upper
178 100
179 15.6 12.7 19.1
176 20.0 15.5 23.3

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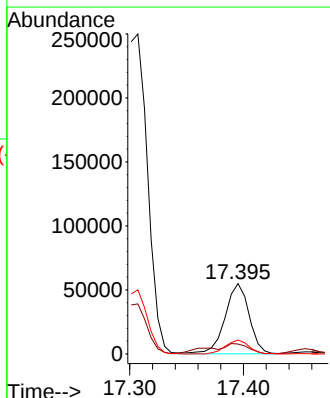
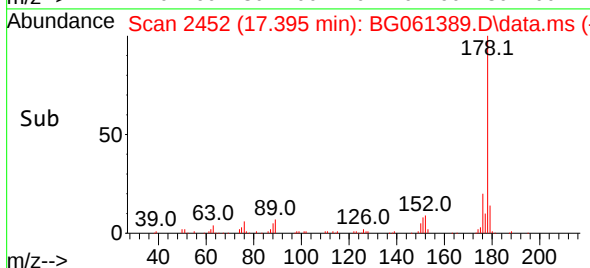
Reviewed By :Jagrut Upadhyay 05/31/2024
Supervised By :mohammad ahmed 06/01/2024

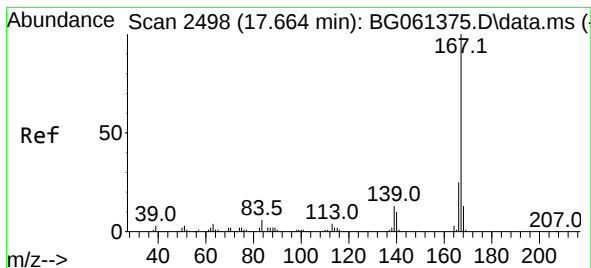


#74
Anthracene
Concen: 8.816 ng/u1
RT: 17.395 min Scan# 2452
Delta R.T. 0.002 min
Lab File: BG061389.D
Acq: 31 May 2024 11:36



Tgt Ion:178 Resp: 80728
Ion Ratio Lower Upper
178 100
179 14.0 11.8 17.6
176 19.8 14.9 22.3





#77

Carbazole

Concen: 4.606 ng/ul

RT: 17.665 min Scan# 2498

Delta R.T. 0.002 min

Lab File: BG061389.D

Acq: 31 May 2024 11:36

Instrument :

BNA_G

ClientSampleId :

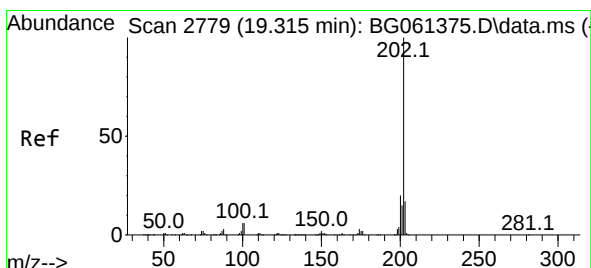
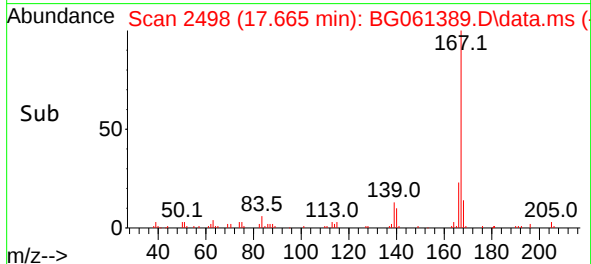
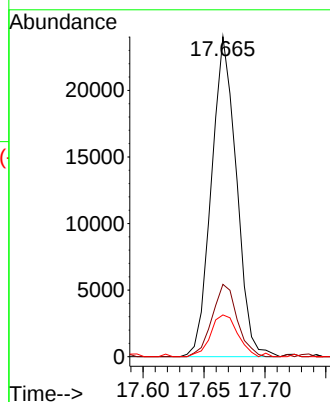
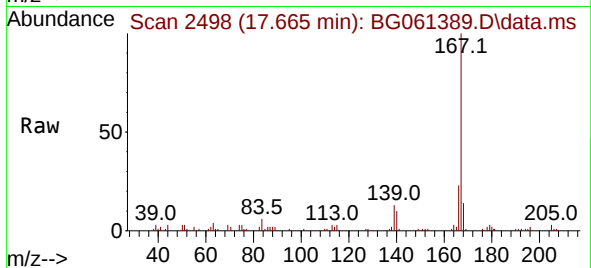
BH6B6DL

Tgt Ion	Ratio	Lower	Upper
167	100		
166	22.6	18.6	28.0
139	13.0	10.6	15.8

Manual Integrations

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



#80

Fluoranthene

Concen: 34.022 ng/ul

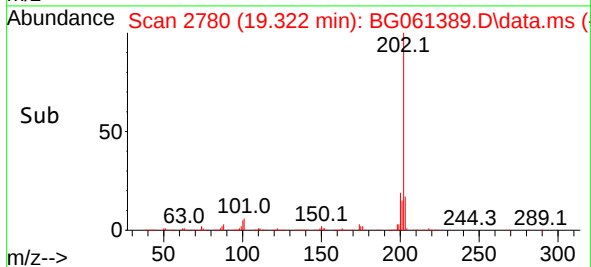
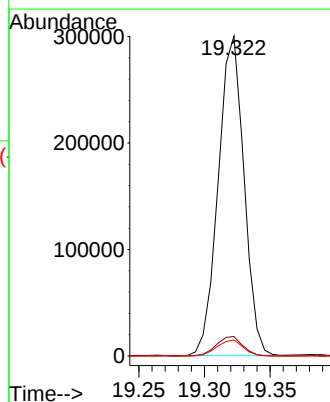
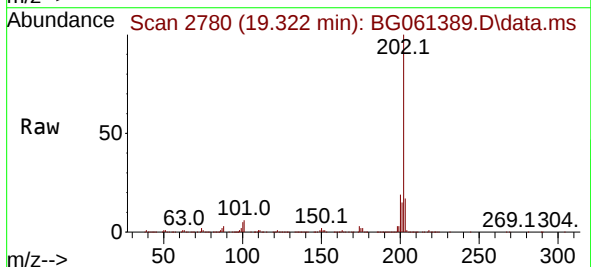
RT: 19.322 min Scan# 2780

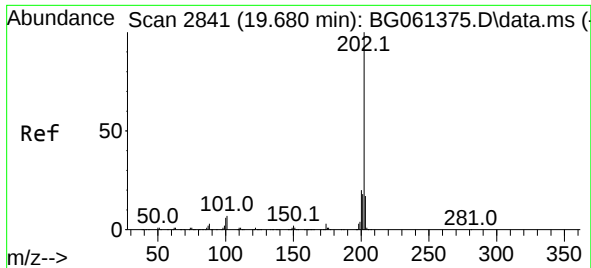
Delta R.T. 0.008 min

Lab File: BG061389.D

Acq: 31 May 2024 11:36

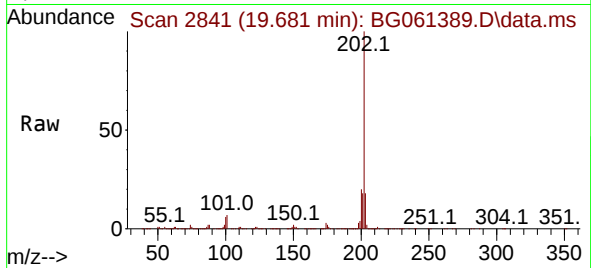
Tgt Ion	Ratio	Lower	Upper
202	100		
101	6.1	4.8	7.2
100	5.0	4.1	6.1





#82
 Pyrene
 Concen: 28.852 ng/ul
 RT: 19.681 min Scan# 21
 Delta R.T. 0.002 min
 Lab File: BG061389.D
 Acq: 31 May 2024 11:36

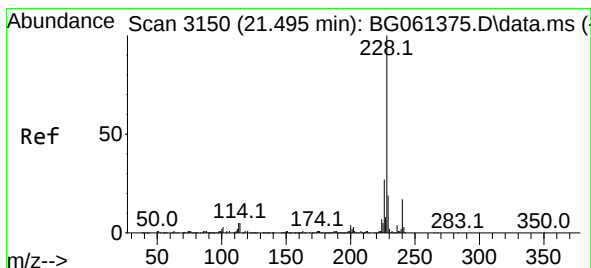
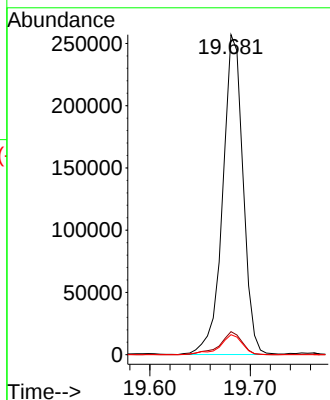
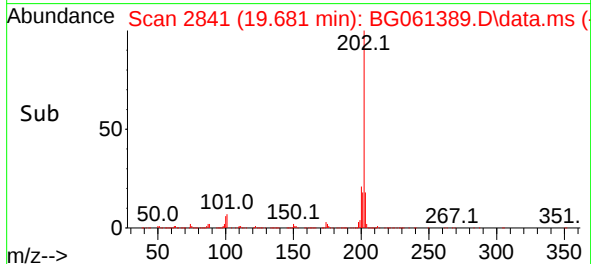
Instrument :
 BNA_G
 ClientSampleId :
 BH6B6DL



Tgt Ion:202 Resp: 360798
 Ion Ratio Lower Upper
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 101 7.2 5.7 8.5
 100 6.3 5.1 7.7

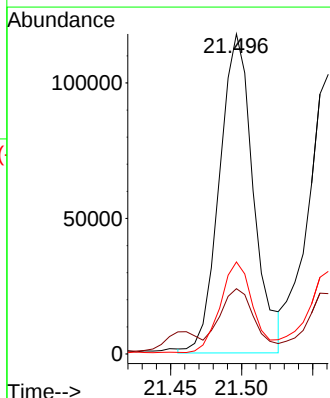
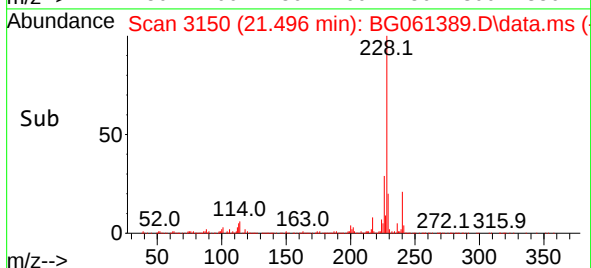
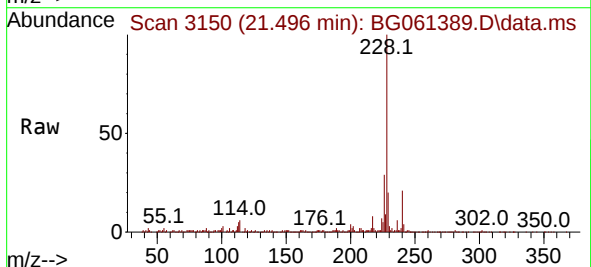
Manual Integrations
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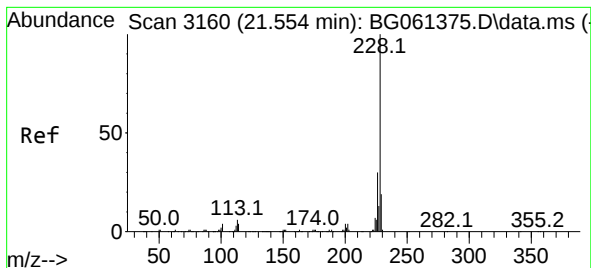
Reviewed By :Jagrut Upadhyay 05/31/2024
 Supervised By :mohammad ahmed 06/01/2024



#85
 Benzo(a)anthracene
 Concen: 14.519 ng/ul
 RT: 21.496 min Scan# 3150
 Delta R.T. 0.002 min
 Lab File: BG061389.D
 Acq: 31 May 2024 11:36

Tgt Ion:228 Resp: 195944
 Ion Ratio Lower Upper
 228 100
 229 20.4 15.2 22.8
 226 28.8 21.4 32.2





#87

Chrysene

Concen: 13.917 ng/ul

RT: 21.561 min Scan# 3161

Delta R.T. 0.008 min

Lab File: BG061389.D

Acq: 31 May 2024 11:36

Instrument :

BNA_G

ClientSampleId :

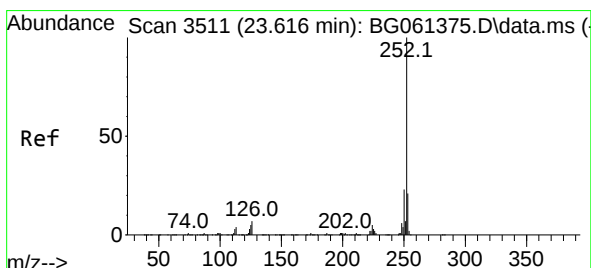
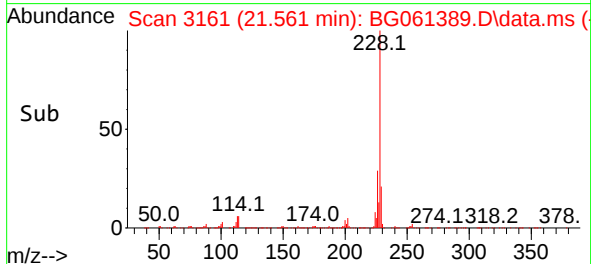
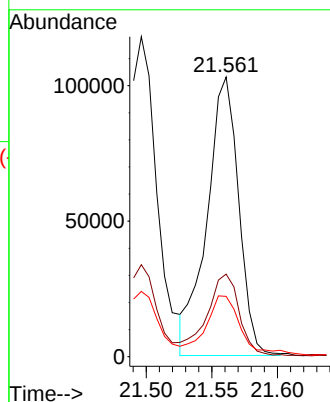
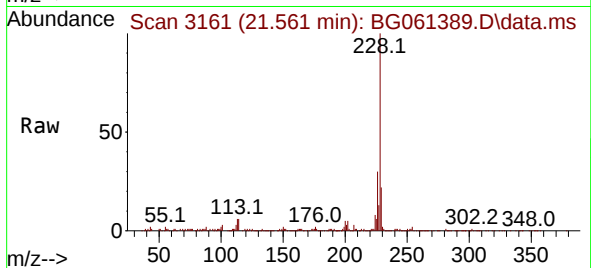
BH6B6DL

Tgt Ion:228	Resp: 17294
Ion Ratio	Lower Upper
228 100	
226 29.5	23.4 35.0
229 21.6	15.4 23.2

Manual Integrations

APPROVED

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



#90

Benzo(b)fluoranthene

Concen: 14.943 ng/ul

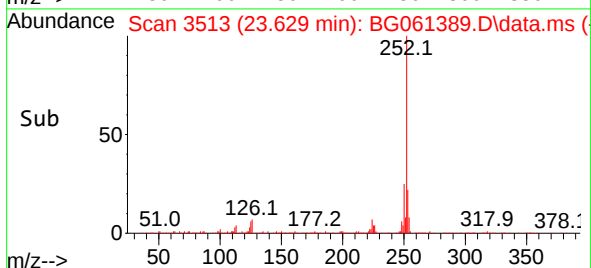
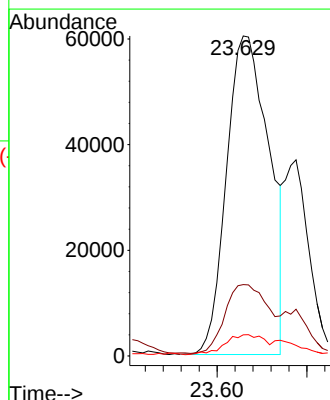
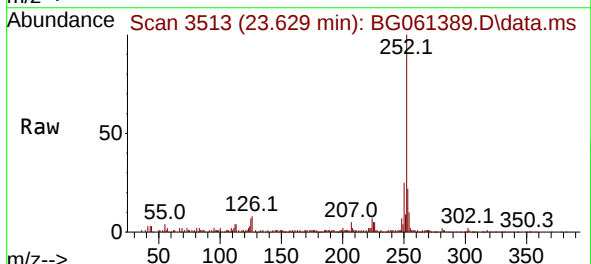
RT: 23.629 min Scan# 3513

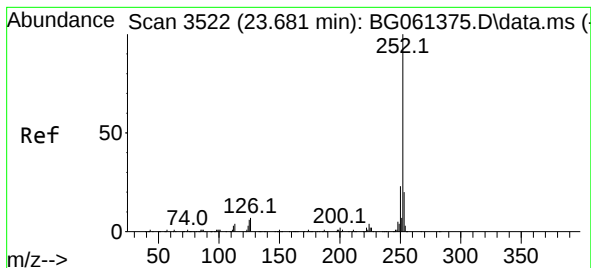
Delta R.T. 0.014 min

Lab File: BG061389.D

Acq: 31 May 2024 11:36

Tgt Ion:252	Resp: 199209
Ion Ratio	Lower Upper
252 100	
253 22.3	17.8 26.8
125 6.6	4.6 6.8





#91

Benzo(k)fluoranthene

Concen: 5.265 ng/ul m

RT: 23.688 min Scan# 3

Delta R.T. 0.008 min

Lab File: BG061389.D

Acq: 31 May 2024 11:36

Instrument :

BNA_G

ClientSampleId :

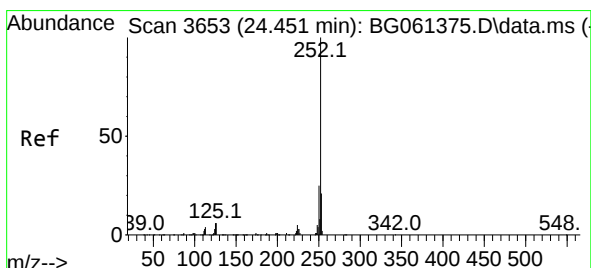
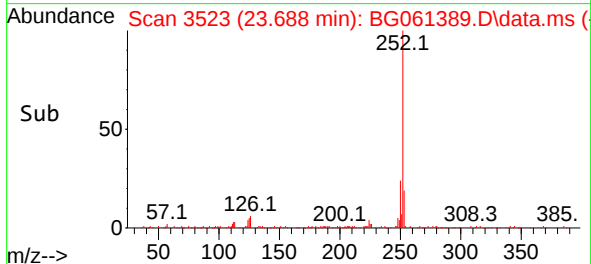
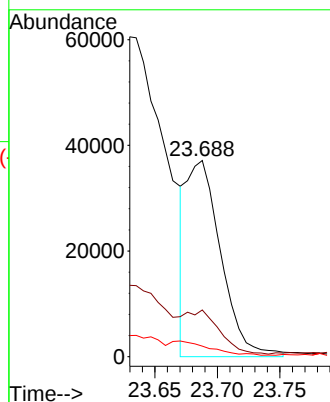
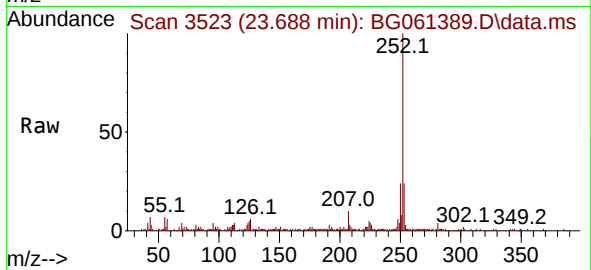
BH6B6DL

Tgt Ion:	252	Resp:	71250
Ion Ratio	Lower	Upper	
252	100		
253	23.8	16.0	24.0
125	5.4	4.3	6.5

Manual Integrations

APPROVED

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



#93

Benzo(a)pyrene

Concen: 11.172 ng/ul

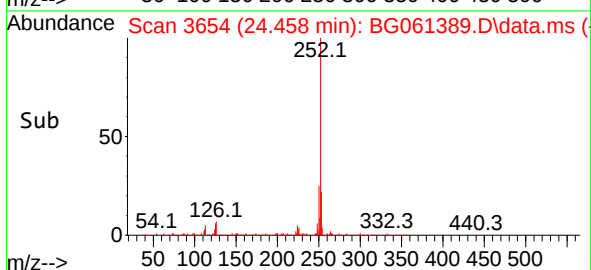
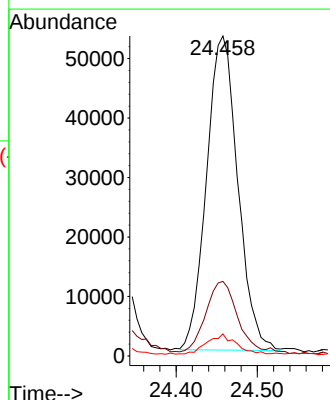
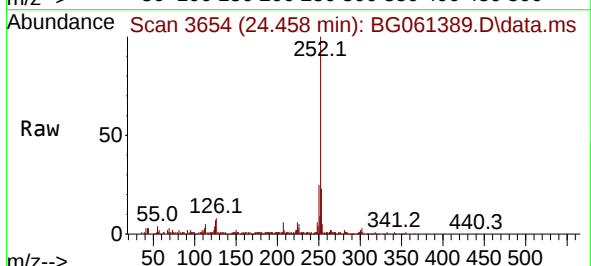
RT: 24.458 min Scan# 3654

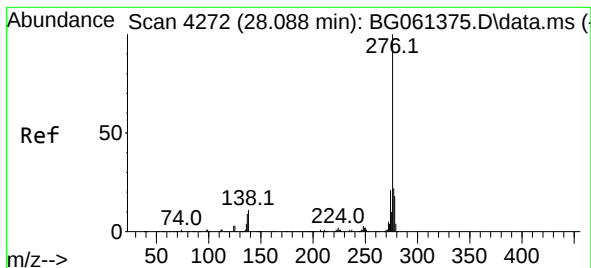
Delta R.T. 0.008 min

Lab File: BG061389.D

Acq: 31 May 2024 11:36

Tgt Ion:	252	Resp:	141425
Ion Ratio	Lower	Upper	
252	100		
253	23.3	16.4	24.6
125	6.9	4.3	6.5





#94

Indeno(1,2,3-cd)pyrene

Concen: 4.765 ng/ul m

RT: 28.100 min Scan# 4274

Delta R.T. 0.008 min

Lab File: BG061389.D

Acq: 31 May 2024 11:36

Instrument :

BNA_G

ClientSampleId :

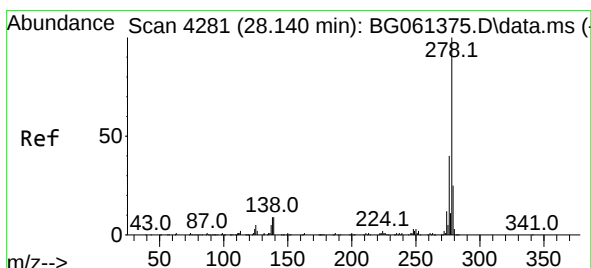
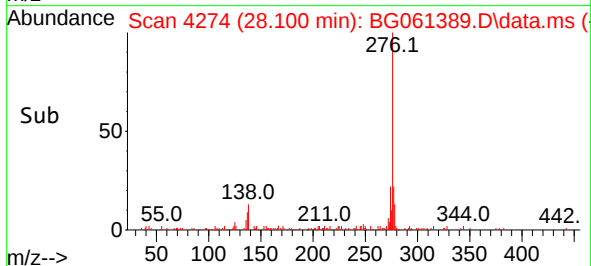
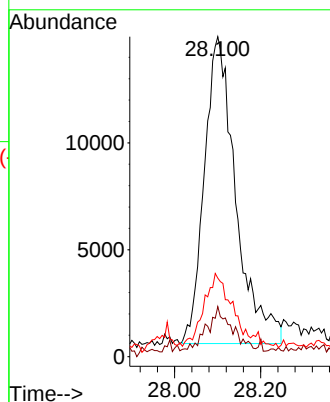
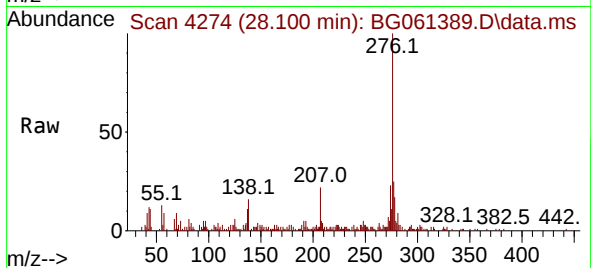
BH6B6DL

Tgt Ion:	276	Resp:	7294
Ion Ratio	Lower	Upper	
276	100		
138	15.7	8.6	13.0
277	24.5	19.7	29.5

Manual Integrations

APPROVED

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



#95

Dibenzo(a,h)anthracene

Concen: 1.715 ng/ul m

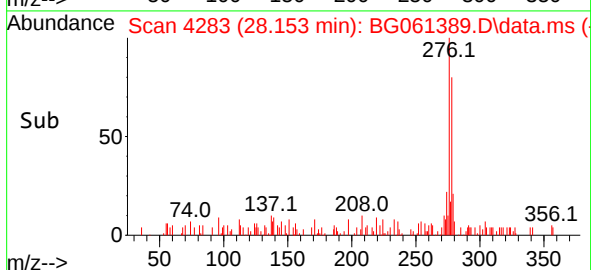
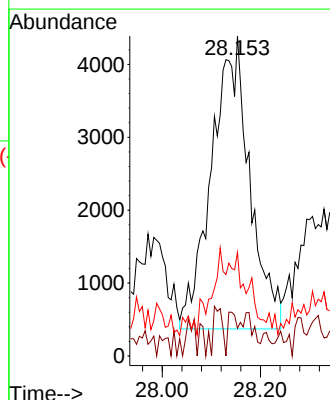
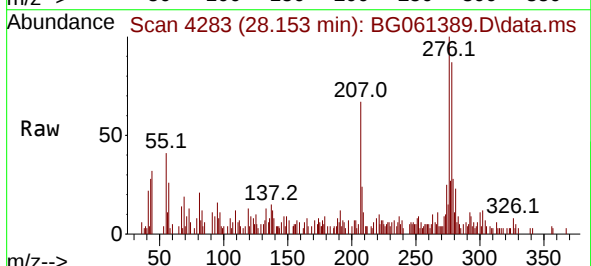
RT: 28.153 min Scan# 4283

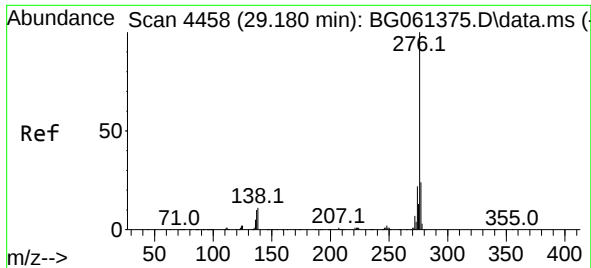
Delta R.T. 0.014 min

Lab File: BG061389.D

Acq: 31 May 2024 11:36

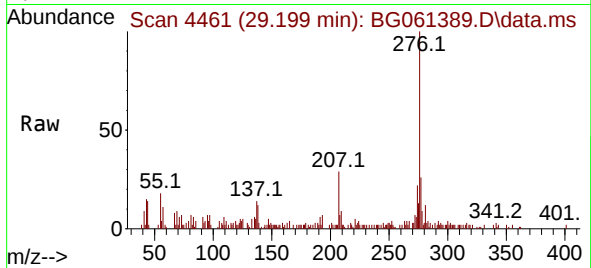
Tgt Ion:	278	Resp:	21652
Ion Ratio	Lower	Upper	
278	100		
139	8.6	6.4	9.6
279	32.4	19.9	29.9





#96
Benzo(g,h,i)perylene
Concen: 5.674 ng/ul m
RT: 29.199 min Scan# 44
Delta R.T. 0.025 min
Lab File: BG061389.D
Acq: 31 May 2024 11:36

Instrument :
BNA_G
ClientSampleId :
BH6B6DL



Tgt Ion:276 Resp: 69104
Ion Ratio Lower Upper
276 100
138 12.0 8.7 13.1
277 26.4 18.2 27.2

Manual Integrations
APPROVED

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

