

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG060324\
 Data File : BG061444.D
 Acq On : 4 Jun 2024 5:49
 Operator : MA/JU
 Sample : P2577-15
 Misc :
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 BHBP8

Manual Integrations
 APPROVED

Reviewed By :Jagrut Upadhyay 06/04/2024
 Supervised By :mohammad ahmed 06/05/2024

Quant Time: Jun 04 06:28:58 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	7.877	152	43377	20.000	ng/u1	0.00
20) Naphthalene-d8	10.674	136	161904	20.000	ng/u1	# 0.00
38) Acenaphthene-d10	14.510	164	121485	20.000	ng/u1	0.00
64) Phenanthrene-d10	17.266	188	271231	20.000	ng/u1	# 0.00
79) Chrysene-d12	21.526	240	289427	20.000	ng/u1	0.01
88) Perylene-d12	24.628	264	325179	20.000	ng/u1	0.03
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.347	96	3058	3.945	ng/uL	0.01
4) Pyridine-d5	3.752	84	23851	8.649	ng/u1	0.01
7) Phenol-d5	7.072	99	69226	19.434	ng/u1	0.02
9) Bis-(2-Chloroethyl)eth...	7.207	67	44472	19.863	ng/u1	0.00
11) 2-Chlorophenol-d4	7.419	132	58237	22.091	ng/u1	0.00
15) 4-Methylphenol-d8	8.600	113	54959	18.094	ng/u1	0.00
21) Nitrobenzene-d5	9.040	128	28478	22.846	ng/u1	0.01
24) 2-Nitrophenol-d4	9.757	143	32932	22.573	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	10.309	165	67730	23.814	ng/u1	0.00
31) 4-Chloroaniline-d4	10.815	131	28076	7.545	ng/u1	0.01
46) Dimethylphthalate-d6	13.917	166	204598	21.715	ng/u1	0.00
49) Acenaphthylene-d8	14.205	160	231094	23.592	ng/u1	0.00
54) 4-Nitrophenol-d4	14.763	143	22832	19.600	ng/u1	0.03
60) Fluorene-d10	15.509	176	181916	22.363	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	15.656	200	20451	12.467	ng/u1	0.02
73) Anthracene-d10	17.366	188	299939	25.083	ng/u1	0.00
81) Pyrene-d10	19.663	212	360436	24.254	ng/u1	0.01
92) Benzo(a)pyrene-d12	24.416	264	392148	25.084	ng/u1	0.03
Target Compounds						
					Qvalue	
6) Benzaldehyde	7.019	77	4188	2.248	ng/u1#	68
16) Acetophenone	8.700	105	17987	3.470	ng/u1	89
30) Naphthalene	10.721	128	9165	1.072	ng/u1#	97
52) Acenaphthene	14.575	153	16461	2.310	ng/u1	95
61) Fluorene	15.568	166	15680	1.779	ng/u1	98
72) Phenanthrene	17.307	178	479642	36.435	ng/u1	99
74) Anthracene	17.401	178	73559	5.404	ng/u1	99
77) Carbazole	17.671	167	54996	4.968	ng/u1	97
78) Di-n-butylphthalate	18.230	149	152598	11.000	ng/u1	98
80) Fluoranthene	19.334	202	1597361	89.601	ng/u1	99
82) Pyrene	19.693	202	1441154	77.879	ng/u1	100
83) Butylbenzylphthalate	20.574	149	17306	2.722	ng/u1	89
85) Benzo(a)anthracene	21.508	228	927551	46.446	ng/u1	95
86) Bis(2-ethylhexyl)phtha...	21.414	149	85518	9.088	ng/u1#	98
87) Chrysene	21.573	228	978040	53.187	ng/u1	96
90) Benzo(b)fluoranthene	23.659	252	1406765	72.660	ng/u1	99
91) Benzo(k)fluoranthene	23.706	252	502076m	25.545	ng/u1	
93) Benzo(a)pyrene	24.487	252	896841	48.782	ng/u1	95
94) Indeno(1,2,3-cd)pyrene	28.159	276	576715m	25.940	ng/u1	
95) Dibenzo(a,h)anthracene	28.177	278	126589m	6.905	ng/u1	
96) Benzo(g,h,i)perylene	29.258	276	204090m	11.539	ng/u1	

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

Instrument :

BNA_G

ClientSampleId :

BHBP8

Manual Integrations

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Reviewed By :Jagrut Upadhyay 06/04/2024
Supervised By :mohammad ahmed 06/05/2024

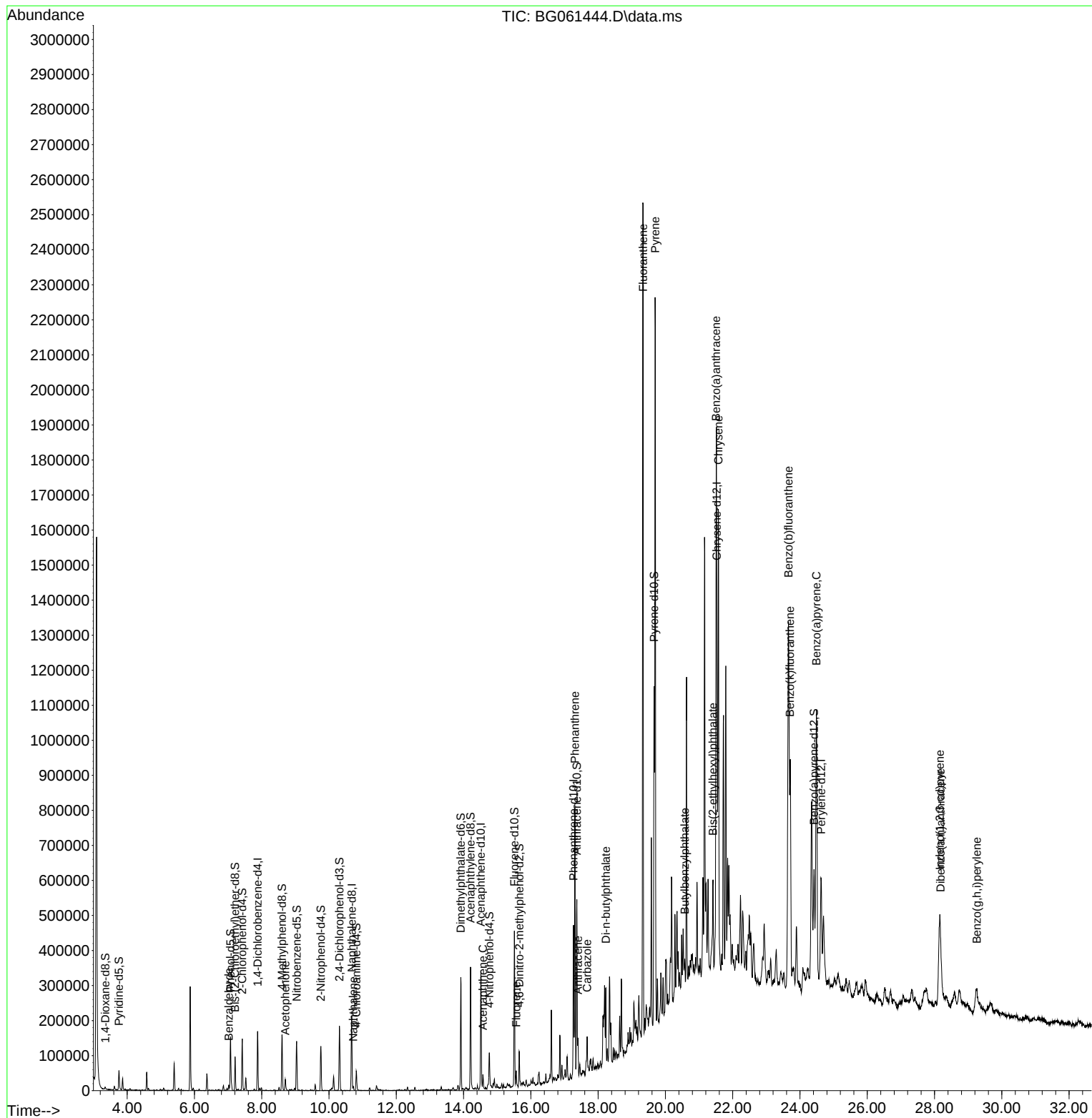
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG060324\
 Data File : BG061444.D
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 Operator : MA/JU
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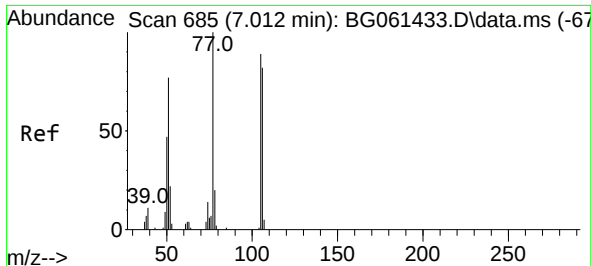
Instrument :
 BNA_G
 ClientSampleId :
 BHBP8

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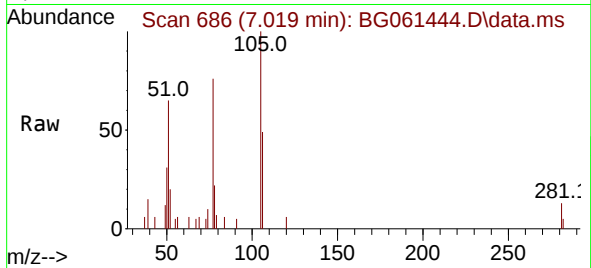
Quant Time: Jun 04 06:28:58 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG052124.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Thu May 30 22:54:48 2024
 Response via : Initial Calibration





#6
Benzaldehyde
Concen: 2.248 ng/ul
RT: 7.019 min Scan# 685
Delta R.T. 0.008 min
Lab File: BG061444.D
Acq: 4 Jun 2024 5:49

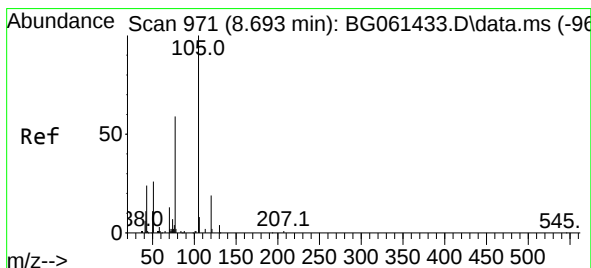
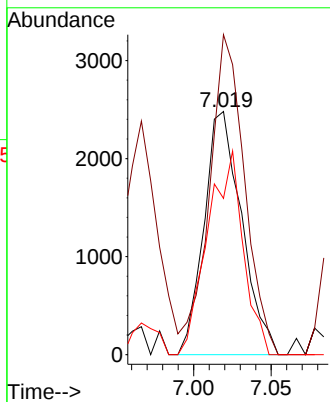
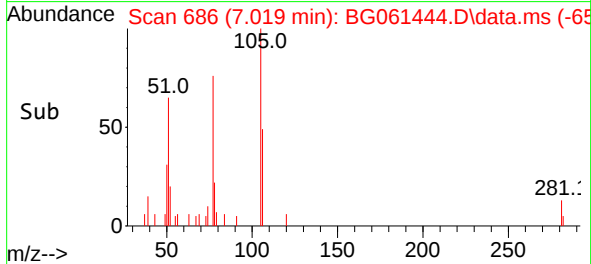
Instrument :
BNA_G
ClientSampleId :
BHBP8



Tgt Ion: 77 Resp: 4188
Ion Ratio Lower Upper
77 100
105 131.6 71.0 106.6
106 64.3 63.4 95.2

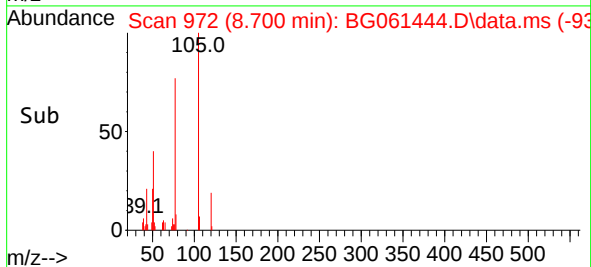
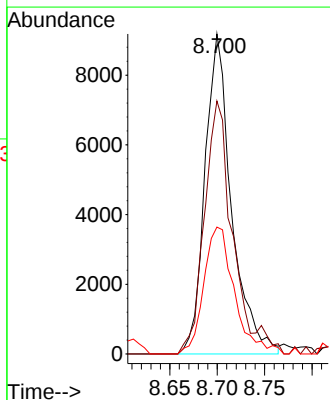
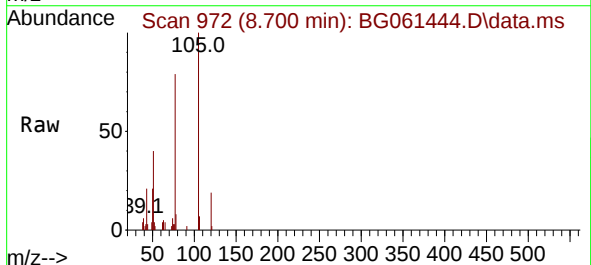
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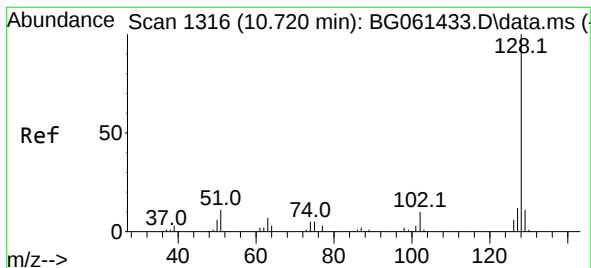
Reviewed By :Jagrut Upadhyay 06/04/2024
Supervised By :mohammad ahmed 06/05/2024



#16
Acetophenone
Concen: 3.470 ng/ul
RT: 8.700 min Scan# 972
Delta R.T. 0.008 min
Lab File: BG061444.D
Acq: 4 Jun 2024 5:49

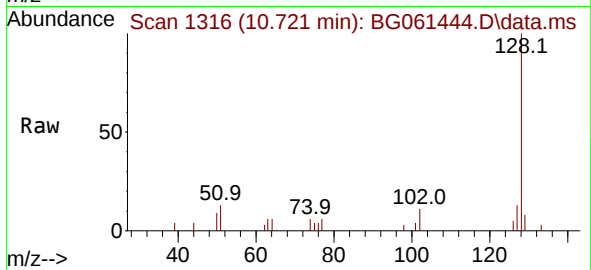
Tgt Ion:105 Resp: 17987
Ion Ratio Lower Upper
105 100
77 79.0 70.4 105.6
51 39.7 38.4 57.6





#30
Naphthalene
Concen: 1.072 ng/ul
RT: 10.721 min Scan# 1316
Delta R.T. 0.002 min
Lab File: BG061444.D
Acq: 4 Jun 2024 5:49

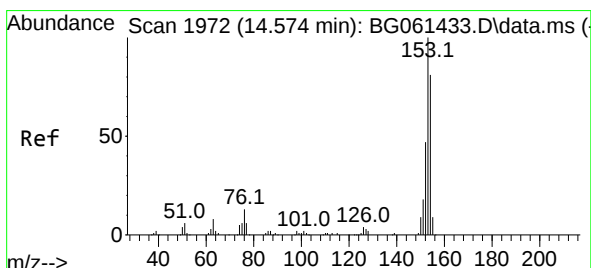
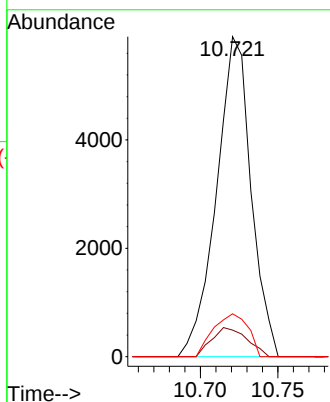
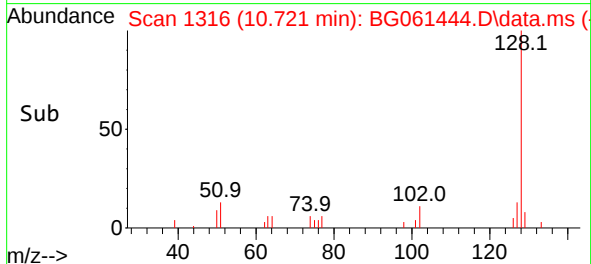
Instrument :
BNA_G
ClientSampleId :
BHBP8



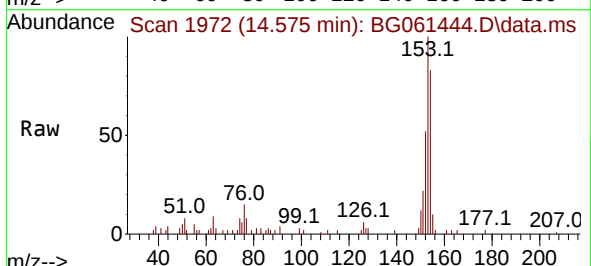
Tgt Ion:128 Resp: 916
Ion Ratio Lower Upper
128 100
129 8.3 8.6 12.8
127 13.4 10.8 16.2

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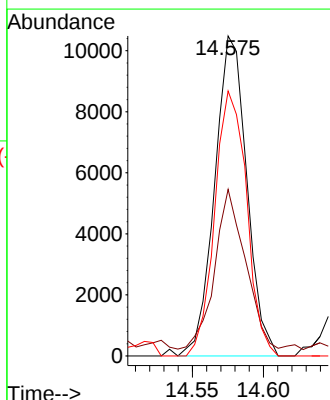
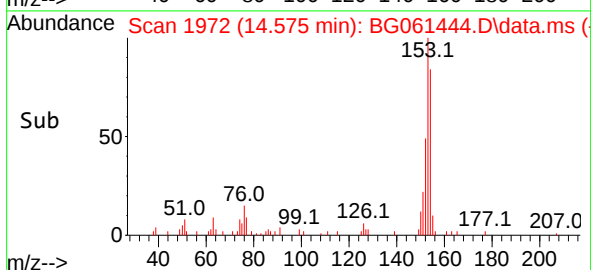
Reviewed By :Jagrut Upadhyay 06/04/2024
Supervised By :mohammad ahmed 06/05/2024

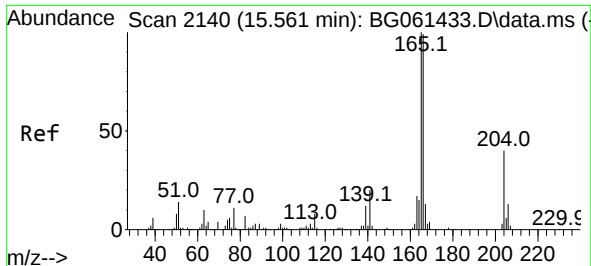


#52
Acenaphthene
Concen: 2.310 ng/ul
RT: 14.575 min Scan# 1972
Delta R.T. 0.002 min
Lab File: BG061444.D
Acq: 4 Jun 2024 5:49



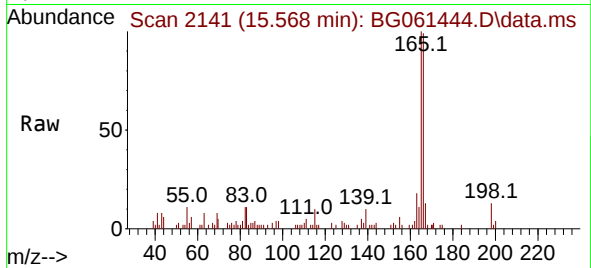
Tgt Ion:153 Resp: 16461
Ion Ratio Lower Upper
153 100
152 52.1 37.8 56.8
154 82.8 69.0 103.6





#61
Fluorene
Concen: 1.779 ng/ul
RT: 15.568 min Scan# 2141
Delta R.T. 0.008 min
Lab File: BG061444.D
Acq: 4 Jun 2024 5:49

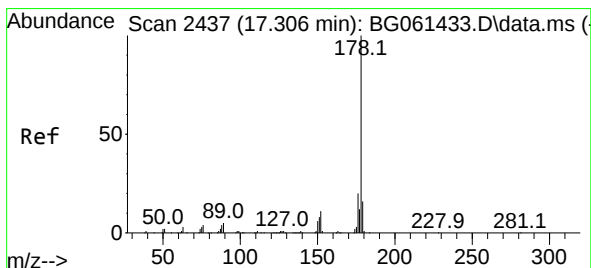
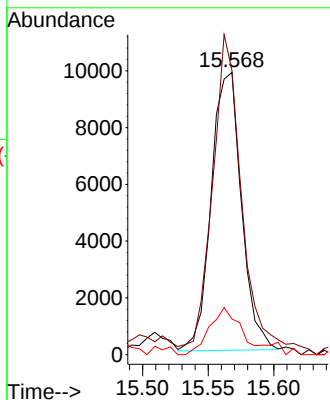
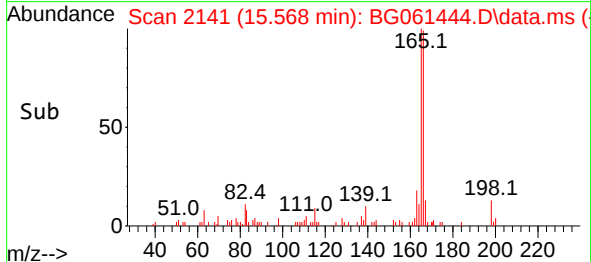
Instrument :
BNA_G
ClientSampleId :
BHBP8



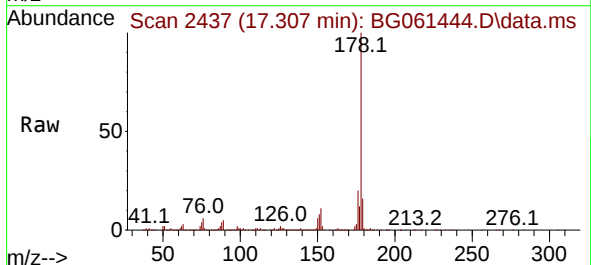
Tgt Ion:166 Resp: 15680
Ion Ratio Lower Upper
166 100
165 100.7 81.8 122.8
167 12.7 10.6 16.0

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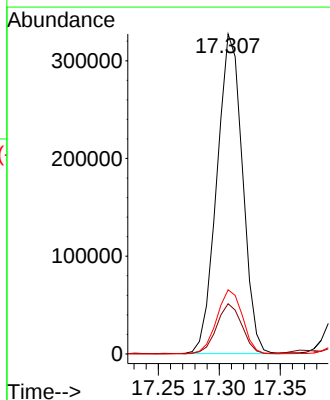
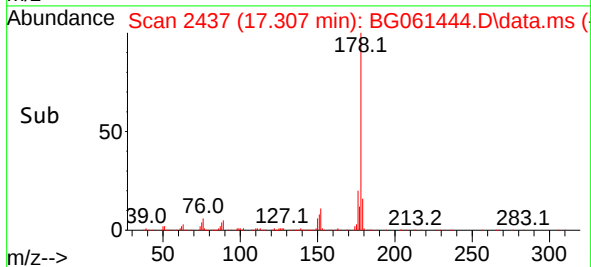
Reviewed By :Jagrut Upadhyay 06/04/2024
Supervised By :mohammad ahmed 06/05/2024

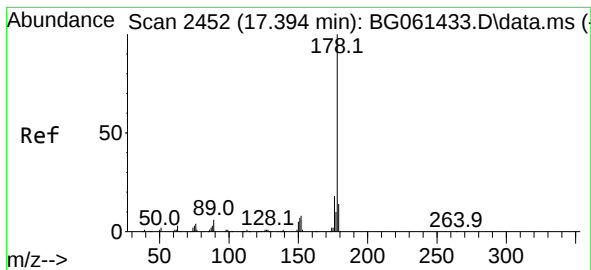


#72
Phenanthrene
Concen: 36.435 ng/ul
RT: 17.307 min Scan# 2437
Delta R.T. 0.008 min
Lab File: BG061444.D
Acq: 4 Jun 2024 5:49



Tgt Ion:178 Resp: 479642
Ion Ratio Lower Upper
178 100
179 15.7 12.7 19.1
176 20.1 15.5 23.3





#74

Anthracene

Concen: 5.404 ng/ul

RT: 17.401 min Scan# 2452

Delta R.T. 0.008 min

Lab File: BG061444.D

Acq: 4 Jun 2024 5:49

Instrument :

BNA_G

ClientSampleId :

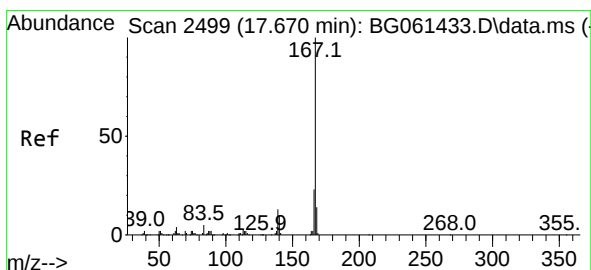
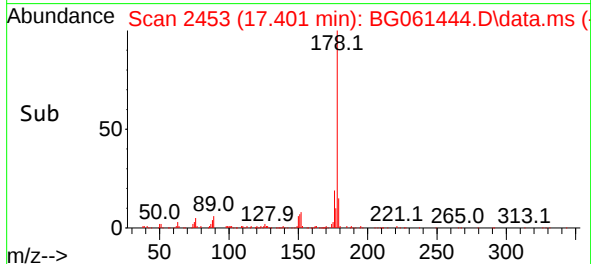
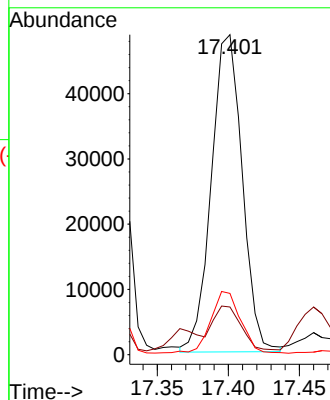
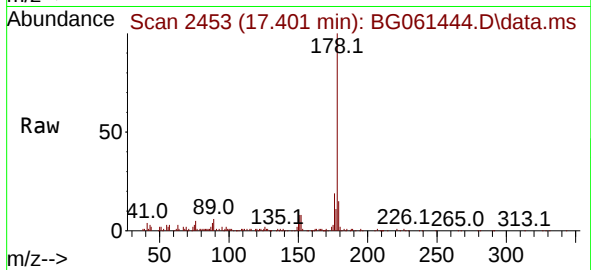
BHBP8

Tgt Ion:178	Resp:	7355
Ion Ratio	Lower	Upper
178	100	
179	14.9	11.8 17.6
176	19.1	14.9 22.3

Manual Integrations

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#77

Carbazole

Concen: 4.968 ng/ul

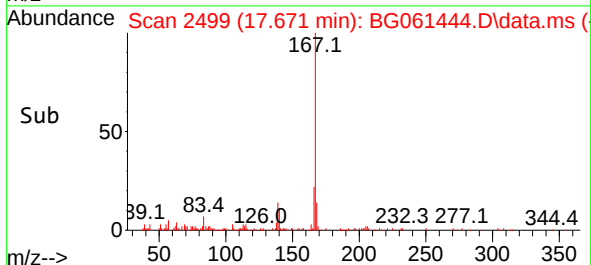
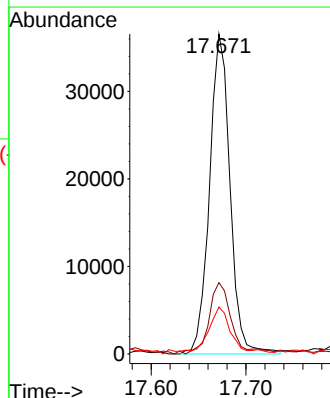
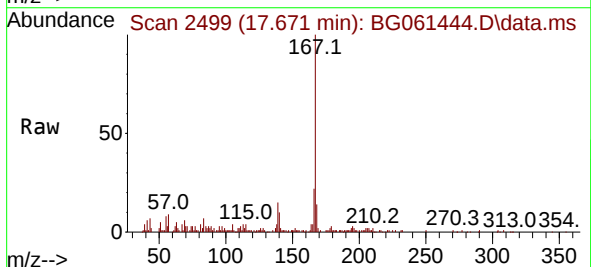
RT: 17.671 min Scan# 2499

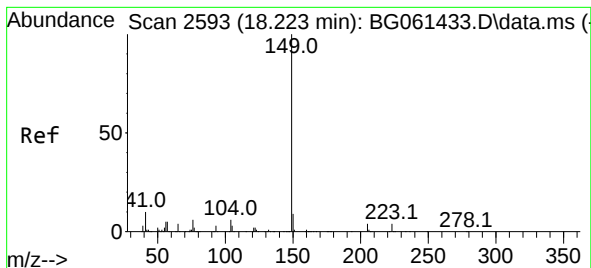
Delta R.T. 0.008 min

Lab File: BG061444.D

Acq: 4 Jun 2024 5:49

Tgt Ion:167	Resp:	54996
Ion Ratio	Lower	Upper
167	100	
166	22.3	18.6 28.0
139	14.6	10.6 15.8





#78

Di-n-butylphthalate

Concen: 11.000 ng/ul

RT: 18.230 min Scan# 2593

Delta R.T. 0.008 min

Lab File: BG061444.D

Acq: 4 Jun 2024 5:49

Instrument :

BNA_G

ClientSampleId :

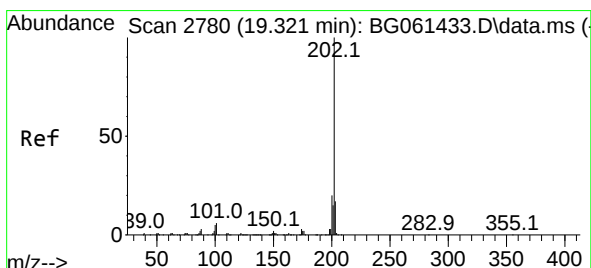
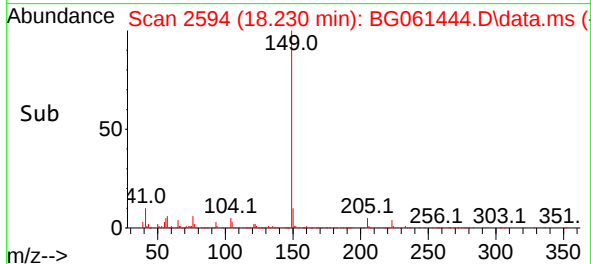
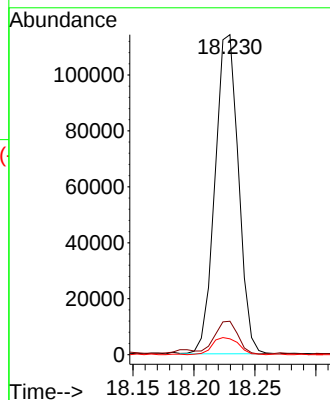
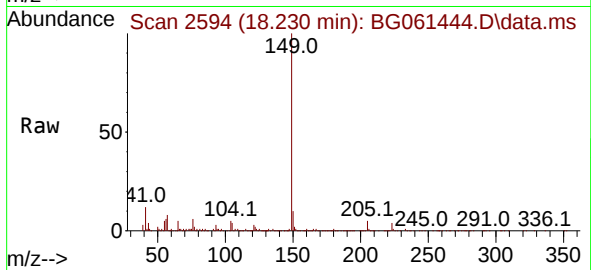
BHBP8

Tgt Ion:149 Resp: 152598
 Ion Ratio Lower Upper
 149 100
 150 10.5 7.8 11.8
 104 5.0 4.8 7.2

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 Supervised By :mohammad ahmed 06/05/2024



#80

Fluoranthene

Concen: 89.601 ng/ul

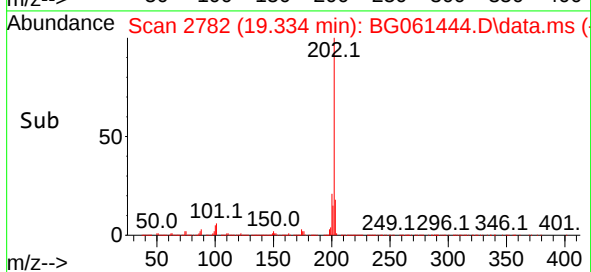
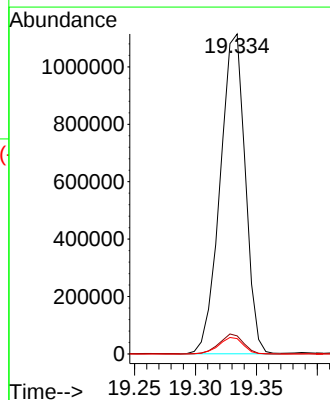
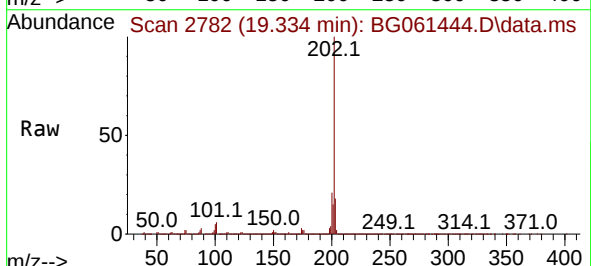
RT: 19.334 min Scan# 2782

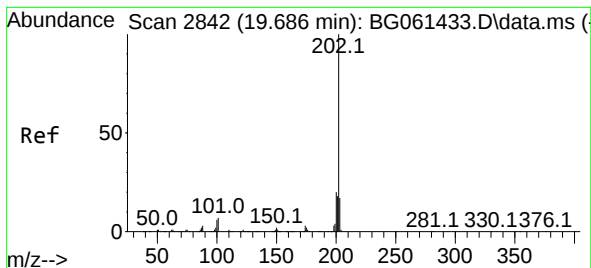
Delta R.T. 0.020 min

Lab File: BG061444.D

Acq: 4 Jun 2024 5:49

Tgt Ion:202 Resp: 1597361
 Ion Ratio Lower Upper
 202 100
 101 5.7 4.8 7.2
 100 4.8 4.1 6.1





#82

Pyrene

Concen: 77.879 ng/ul

RT: 19.693 min Scan# 2842

Delta R.T. 0.014 min

Lab File: BG061444.D

Acq: 4 Jun 2024 5:49

Instrument :

BNA_G

ClientSampleId :

BHBP8

Tgt Ion:202 Resp: 1441154

Ion Ratio Lower Upper

202 100

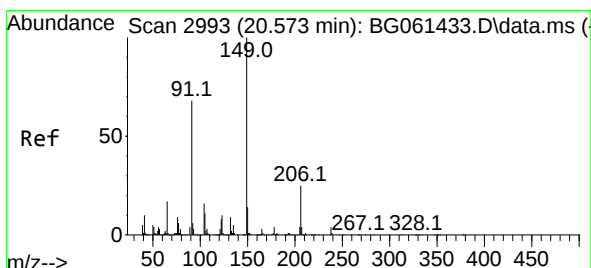
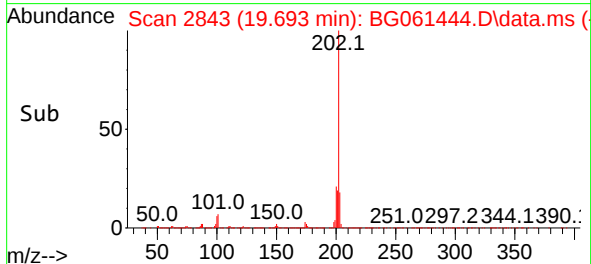
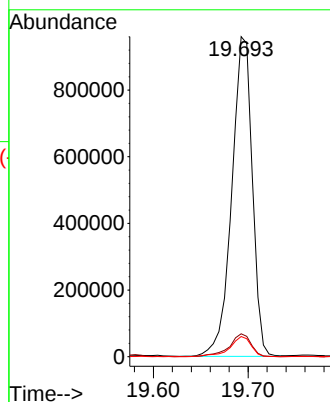
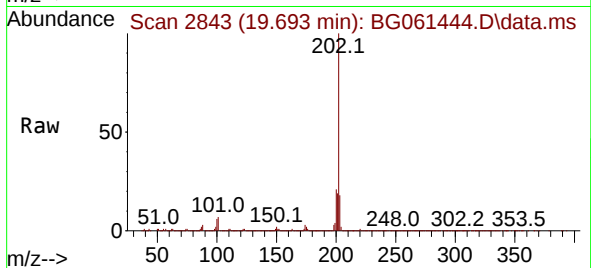
101 7.2 5.7 8.5

100 6.3 5.1 7.7

Manual Integrations

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Supervised By :mohammad ahmed 06/05/2024



#83

Butylbenzylphthalate

Concen: 2.722 ng/ul

RT: 20.574 min Scan# 2993

Delta R.T. 0.002 min

Lab File: BG061444.D

Acq: 4 Jun 2024 5:49

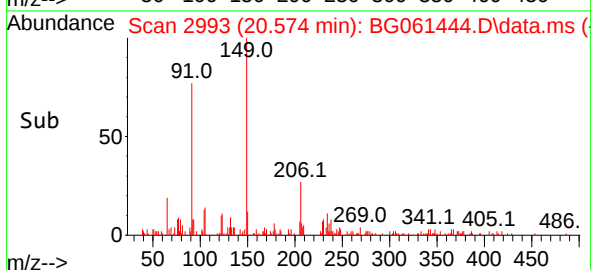
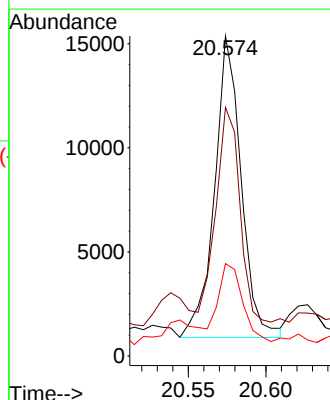
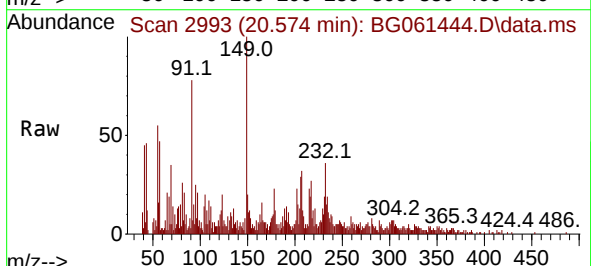
Tgt Ion:149 Resp: 17306

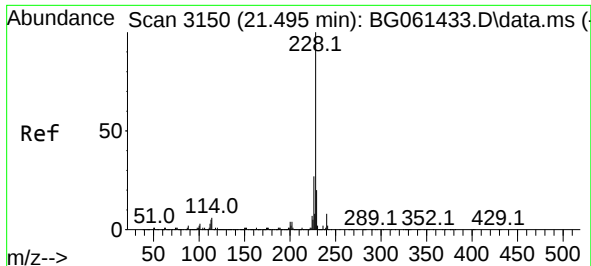
Ion Ratio Lower Upper

149 100

91 77.7 54.8 82.2

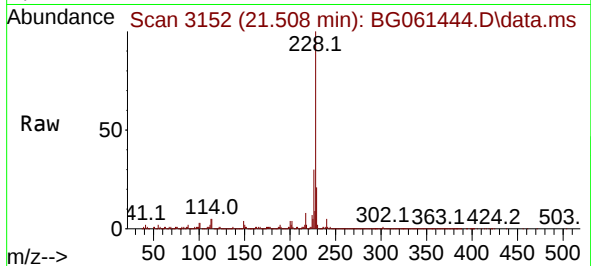
206 28.9 19.4 29.0





#85
Benzo(a)anthracene
Concen: 46.446 ng/ul
RT: 21.508 min Scan# 3152
Delta R.T. 0.014 min
Lab File: BG061444.D
Acq: 4 Jun 2024 5:49

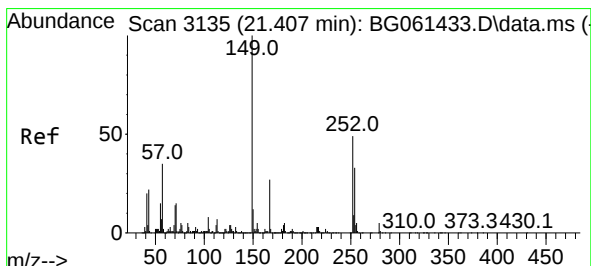
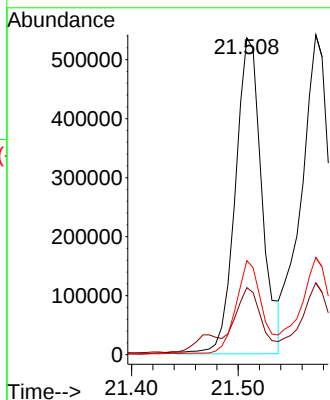
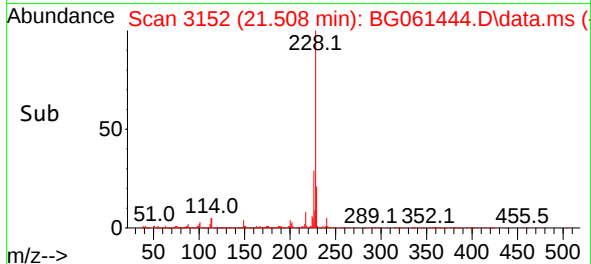
Instrument :
BNA_G
ClientSampleId :
BHBP8



Tgt Ion:228 Resp: 92755
Ion Ratio Lower Upper
228 100
229 21.2 15.2 22.8
226 29.7 21.4 32.2

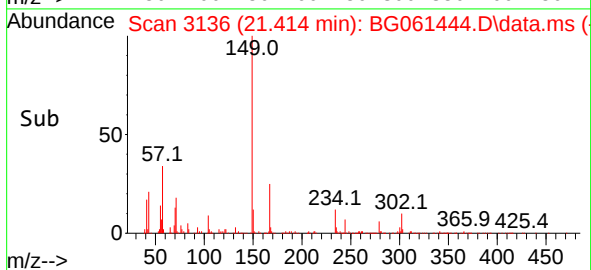
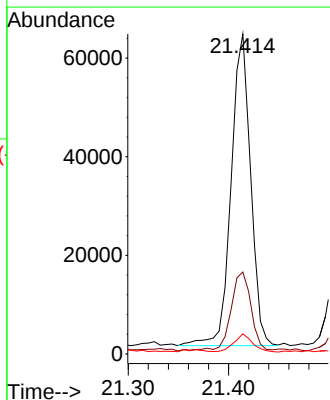
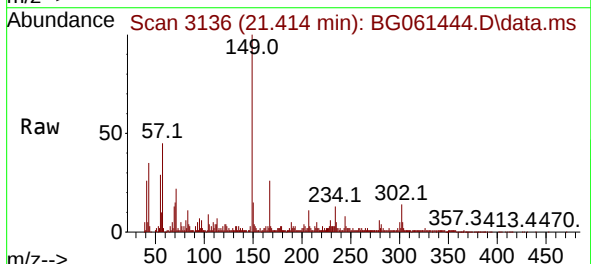
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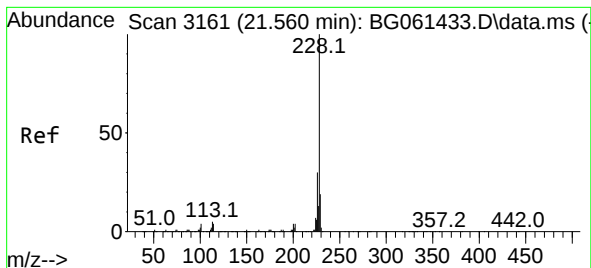
Reviewed By :Jagrut Upadhyay 06/04/2024
Supervised By :mohammad ahmed 06/05/2024



#86
Bis(2-ethylhexyl)phthalate
Concen: 9.088 ng/ul
RT: 21.414 min Scan# 3136
Delta R.T. 0.008 min
Lab File: BG061444.D
Acq: 4 Jun 2024 5:49

Tgt Ion:149 Resp: 85518
Ion Ratio Lower Upper
149 100
167 25.6 21.1 31.7
279 6.3 3.3 4.9#





#87

Chrysene

Concen: 53.187 ng/ul

RT: 21.573 min Scan# 3163

Delta R.T. 0.020 min

Lab File: BG061444.D

Acq: 4 Jun 2024 5:49

Instrument :

BNA_G

ClientSampleId :

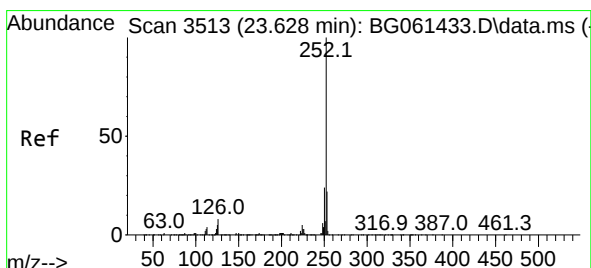
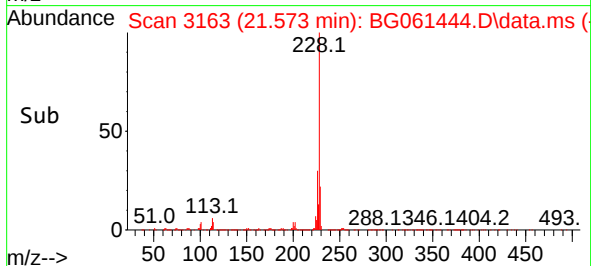
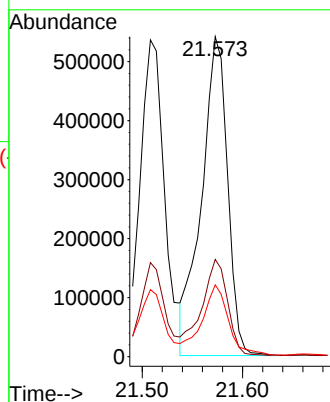
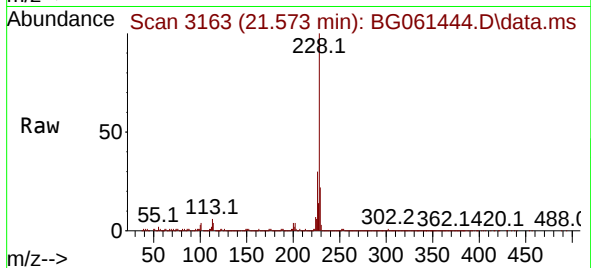
BHBP8

Tgt Ion:	228	Resp:	978040
Ion Ratio	Lower	Upper	
228	100		
226	30.4	23.4	35.0
229	22.5	15.4	23.2

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 06/04/2024
Supervised By :mohammad ahmed 06/05/2024



#90

Benzo(b)fluoranthene

Concen: 72.660 ng/ul

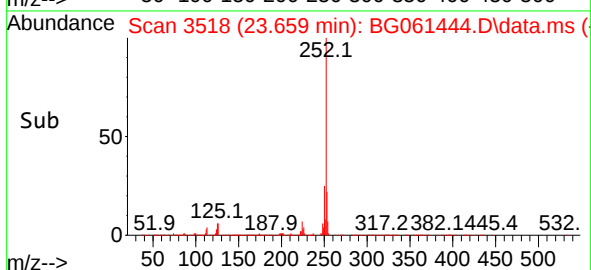
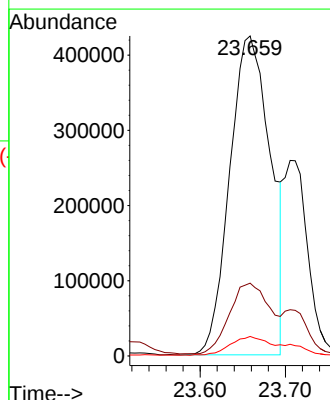
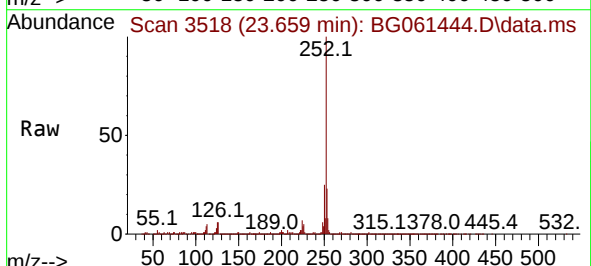
RT: 23.659 min Scan# 3518

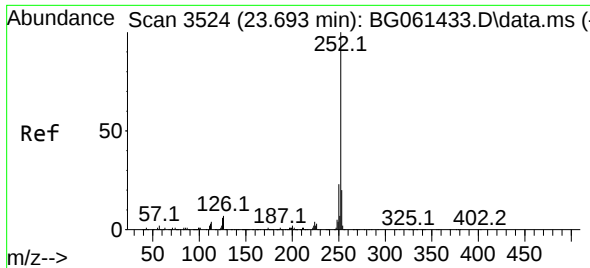
Delta R.T. 0.043 min

Lab File: BG061444.D

Acq: 4 Jun 2024 5:49

Tgt Ion:	252	Resp:	1406765
Ion Ratio	Lower	Upper	
252	100		
253	22.8	17.8	26.8
125	6.1	4.6	6.8





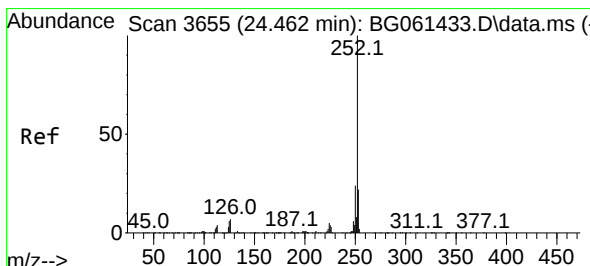
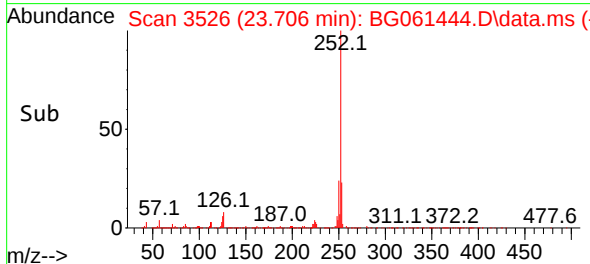
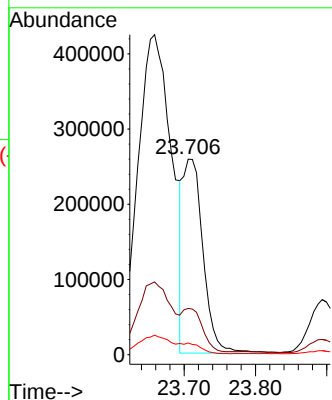
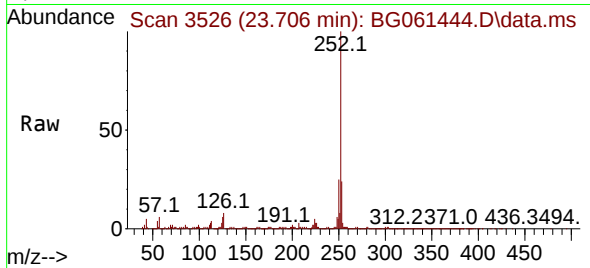
#91
Benzo(k)fluoranthene
Concen: 25.545 ng/ul m
RT: 23.706 min Scan# 3524
Delta R.T. 0.025 min
Lab File: BG061444.D
Acq: 4 Jun 2024 5:49

Instrument :
BNA_G
ClientSampleId :
BHBP8

Tgt Ion:252 Resp: 502070
Ion Ratio Lower Upper
252 100
253 23.6 16.0 24.0
125 6.0 4.3 6.5

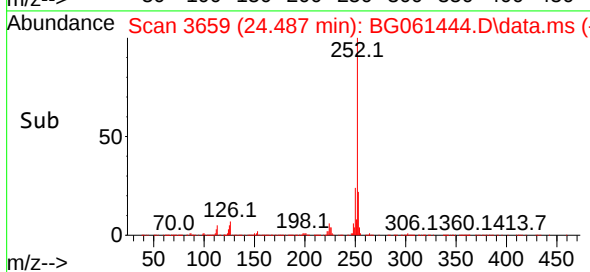
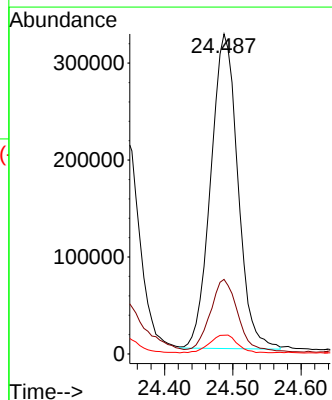
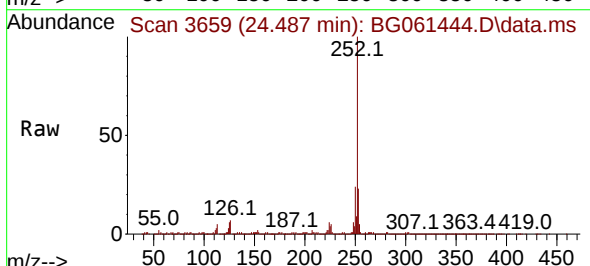
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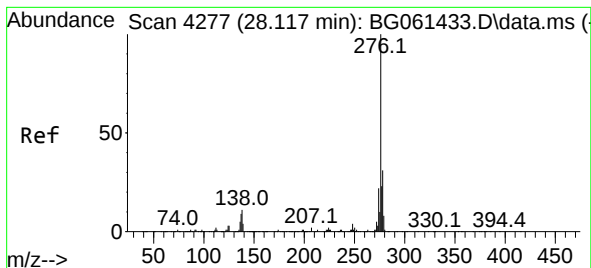
Reviewed By :Jagrut Upadhyay 06/04/2024
Supervised By :mohammad ahmed 06/05/2024



#93
Benzo(a)pyrene
Concen: 48.782 ng/ul
RT: 24.487 min Scan# 3659
Delta R.T. 0.037 min
Lab File: BG061444.D
Acq: 4 Jun 2024 5:49

Tgt Ion:252 Resp: 896841
Ion Ratio Lower Upper
252 100
253 23.3 16.4 24.6
125 5.9 4.3 6.5





#94

Indeno(1,2,3-cd)pyrene

Concen: 25.940 ng/ul m

RT: 28.159 min Scan# 4284

Delta R.T. 0.067 min

Lab File: BG061444.D

Acq: 4 Jun 2024 5:49

Instrument :

BNA_G

ClientSampleId :

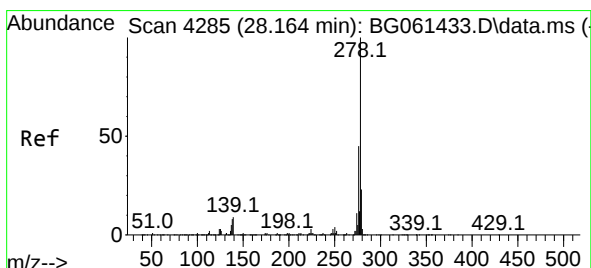
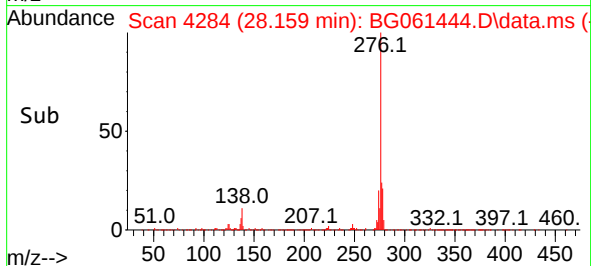
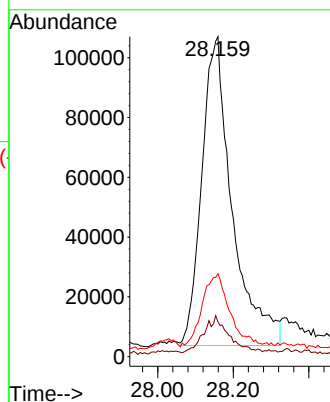
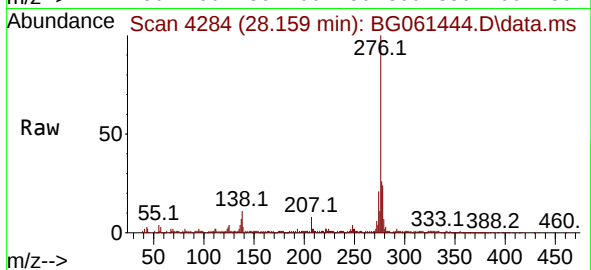
BHBP8

Tgt Ion:276 Resp: 576715
 Ion Ratio Lower Upper
 276 100
 138 10.9 8.6 13.0
 277 25.9 19.7 29.5

Manual Integrations

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Reviewed By :Jagrut Upadhyay 06/04/2024
 Supervised By :mohammad ahmed 06/05/2024



#95

Dibenzo(a,h)anthracene

Concen: 6.905 ng/ul m

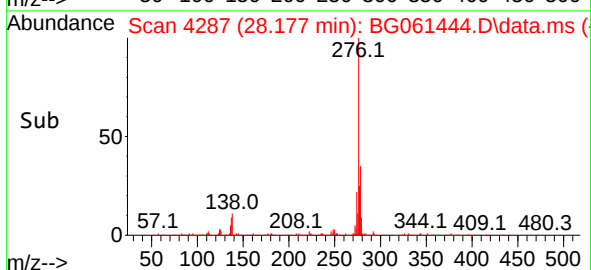
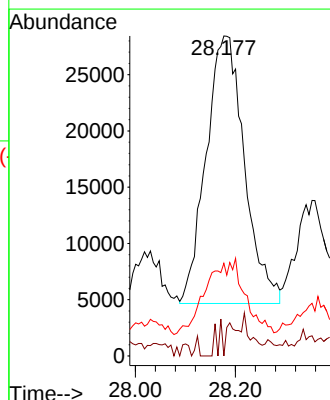
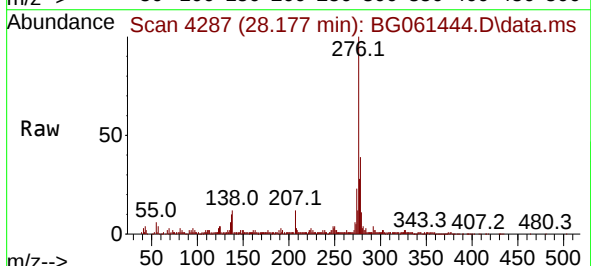
RT: 28.177 min Scan# 4287

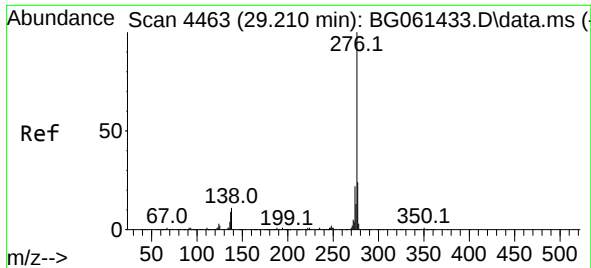
Delta R.T. 0.037 min

Lab File: BG061444.D

Acq: 4 Jun 2024 5:49

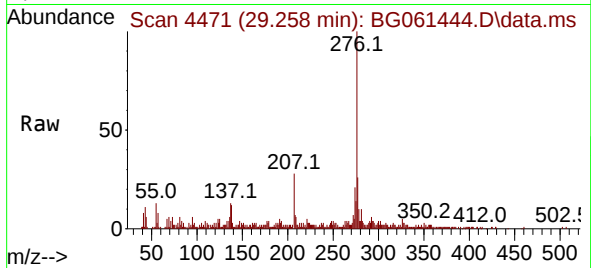
Tgt Ion:278 Resp: 126589
 Ion Ratio Lower Upper
 278 100
 139 0.0 6.4 9.6#
 279 29.0 19.9 29.9





#96
Benzo(g,h,i)perylene
Concen: 11.539 ng/ul m
RT: 29.258 min Scan# 44
Delta R.T. 0.084 min
Lab File: BG061444.D
Acq: 4 Jun 2024 5:49

Instrument :
BNA_G
ClientSampleId :
BHBP8



Tgt Ion:276 Resp: 204090
Ion Ratio Lower Upper
276 100
138 11.8 8.7 13.1
277 25.7 18.2 27.2

Manual Integrations
APPROVED

Reviewed By :Jagrut Upadhyay 06/04/2024
Supervised By :mohammad ahmed 06/05/2024

