

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG060324\
 Data File : BG061445.D
 Acq On : 4 Jun 2024 6:30
 Operator : MA/JU
 Sample : P2577-16
 Misc :
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 BHBP9

Manual Integrations
 APPROVED

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

Quant Time: Jun 04 07:14:50 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	38665	20.000	ng/u1	0.00
20) Naphthalene-d8	10.672	136	146137	20.000	ng/u1	0.00
38) Acenaphthene-d10	14.515	164	108491	20.000	ng/u1	0.00
64) Phenanthrene-d10	17.265	188	243148	20.000	ng/u1	0.00
79) Chrysene-d12	21.524	240	258029	20.000	ng/u1	0.01
88) Perylene-d12	24.621	264	287557	20.000	ng/u1	0.02
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.340	96	2483	3.594	ng/uL	0.00
4) Pyridine-d5	3.751	84	25228	10.264	ng/u1	0.01
7) Phenol-d5	7.071	99	62568	19.705	ng/u1	0.02
9) Bis-(2-Chloroethyl)eth...	7.206	67	37597	18.839	ng/u1	0.00
11) 2-Chlorophenol-d4	7.417	132	49731	21.163	ng/u1	0.00
15) 4-Methylphenol-d8	8.604	113	48983	18.092	ng/u1	0.01
21) Nitrobenzene-d5	9.039	128	25900	23.019	ng/u1	0.01
24) 2-Nitrophenol-d4	9.756	143	28332	21.516	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	10.314	165	56578	22.039	ng/u1	0.01
31) 4-Chloroaniline-d4	10.813	131	34101	10.153	ng/u1	0.01
46) Dimethylphthalate-d6	13.921	166	184878	21.972	ng/u1	0.00
49) Acenaphthylene-d8	14.203	160	202823	23.185	ng/u1	0.00
54) 4-Nitrophenol-d4	14.762	143	20249m	19.465	ng/u1	0.02
60) Fluorene-d10	15.508	176	164316	22.619	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	15.655	200	18322	12.459	ng/u1	0.02
73) Anthracene-d10	17.364	188	271827	25.358	ng/u1	0.00
81) Pyrene-d10	19.662	212	327551	24.723	ng/u1	0.01
92) Benzo(a)pyrene-d12	24.409	264	364516	26.367	ng/u1	0.02
Target Compounds					Qvalue	
30) Naphthalene	10.725	128	12923	1.675	ng/u1	96
36) 2-Methylnaphthalene	12.335	142	12708	2.272	ng/u1	91
37) 1-Methylnaphthalene	12.552	142	15507	2.701	ng/u1#	90
50) Acenaphthylene	14.233	152	24775	2.554	ng/u1#	92
52) Acenaphthene	14.574	153	20237	3.180	ng/u1	97
56) Dibenzofuran	14.914	168	43754	4.809	ng/u1	91
61) Fluorene	15.561	166	53524	6.799	ng/u1	97
72) Phenanthrene	17.312	178	630392	53.417	ng/u1	98
74) Anthracene	17.400	178	148081	12.136	ng/u1	98
77) Carbazole	17.670	167	48500	4.887	ng/u1	99
80) Fluoranthene	19.327	202	842407	53.003	ng/u1	99
82) Pyrene	19.691	202	713990	43.279	ng/u1	99
83) Butylbenzylphthalate	20.572	149	8020	1.415	ng/u1#	86
85) Benzo(a)anthracene	21.507	228	461905	25.944	ng/u1	96
86) Bis(2-ethylhexyl)phtha...	21.413	149	56143	6.693	ng/u1#	99
87) Chrysene	21.571	228	407936m	24.884	ng/u1	
90) Benzo(b)fluoranthene	23.645	252	494482	28.882	ng/u1	99
91) Benzo(k)fluoranthene	23.698	252	167998m	9.666	ng/u1	
93) Benzo(a)pyrene	24.480	252	340769	20.961	ng/u1	96
94) Indeno(1,2,3-cd)pyrene	28.140	276	171690m	8.733	ng/u1	
95) Dibenzo(a,h)anthracene	28.169	278	47408m	2.924	ng/u1	
96) Benzo(g,h,i)perylene	29.239	276	116237m	7.432	ng/u1	

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Quant Title : SVOA CALIBRATION
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

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

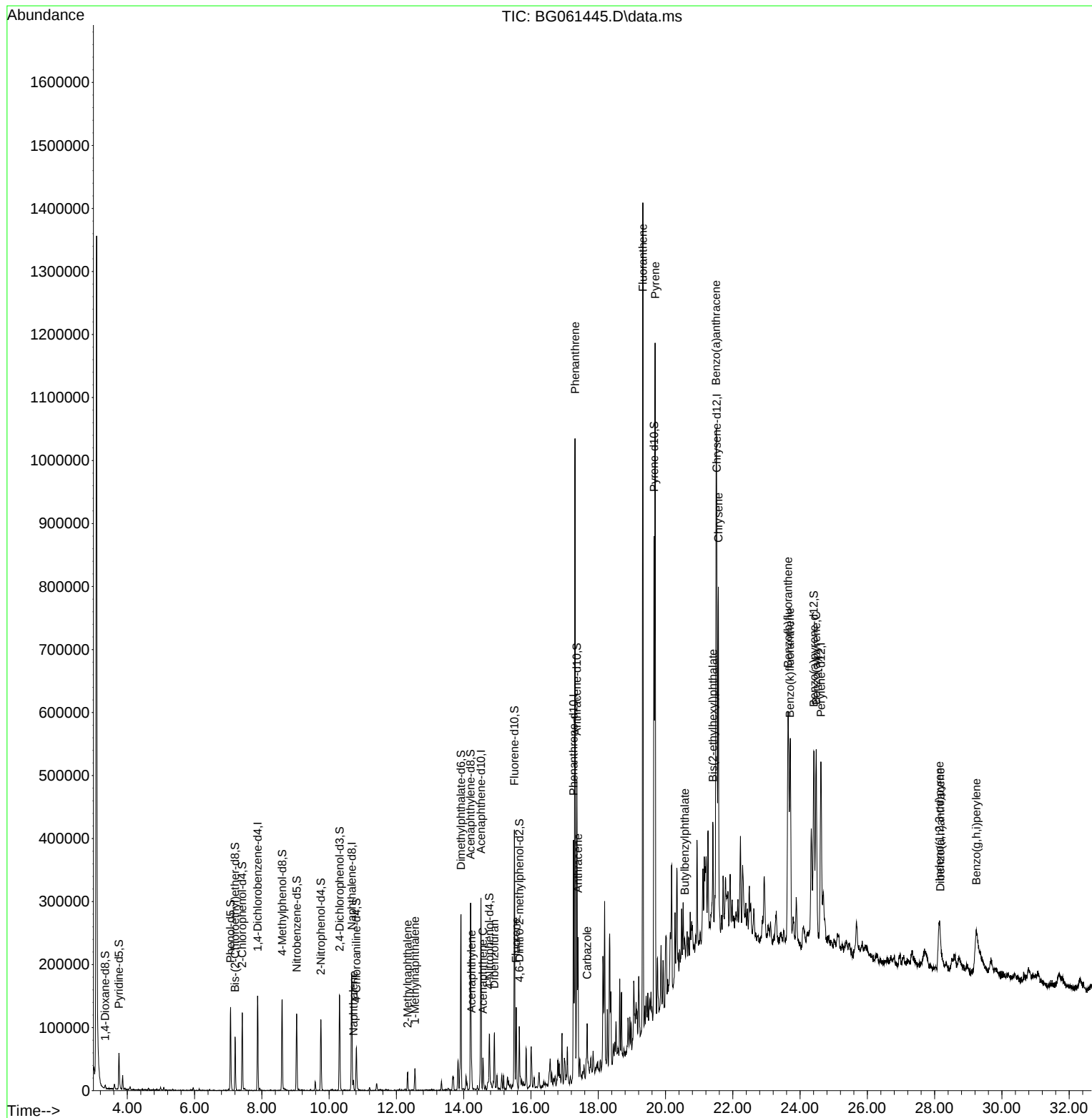
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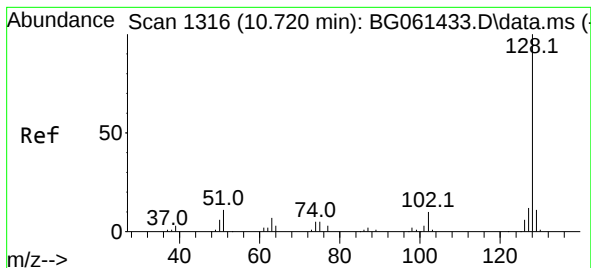
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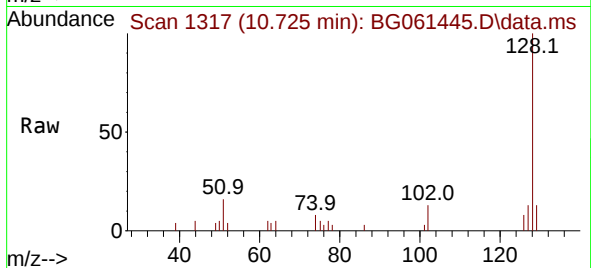
Quant Time: Jun 04 07:14:50 2024
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#30
Naphthalene
Concen: 1.675 ng/ul
RT: 10.725 min Scan# 11
Delta R.T. 0.006 min
Lab File: BG061445.D
Acq: 4 Jun 2024 6:30

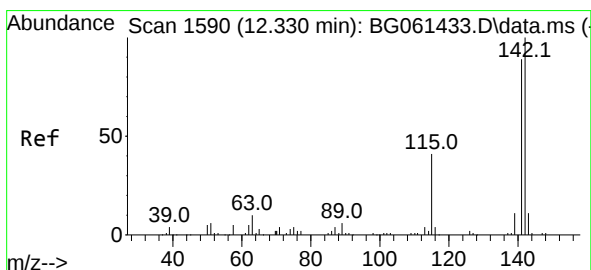
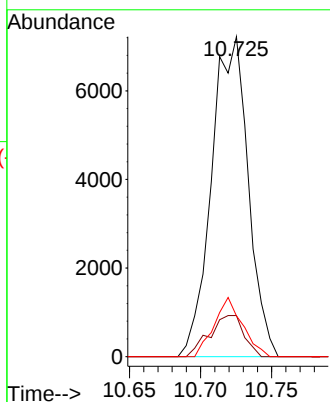
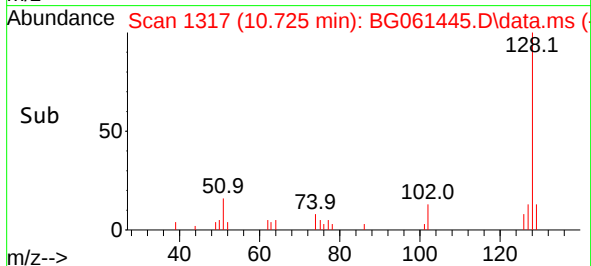
Instrument :
BNA_G
ClientSampleId :
BHBP9



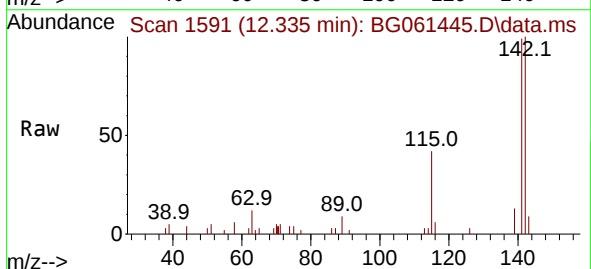
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Ion Ratio Lower Upper
128 100
129 12.8 8.6 12.8
127 12.7 10.8 16.2

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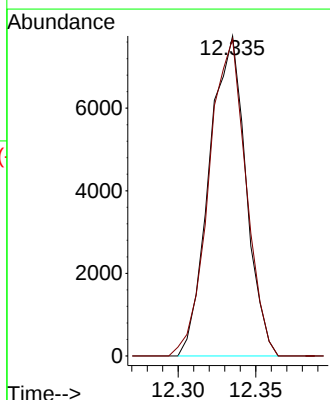
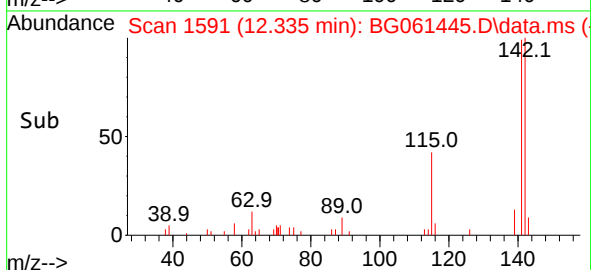
Reviewed By :Jagrut Upadhyay 06/04/2024
Supervised By :mohammad ahmed 06/05/2024

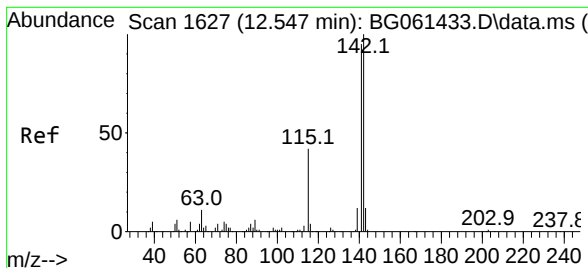


#36
2-Methylnaphthalene
Concen: 2.272 ng/ul
RT: 12.335 min Scan# 1591
Delta R.T. 0.006 min
Lab File: BG061445.D
Acq: 4 Jun 2024 6:30



Tgt Ion:142 Resp: 12708
Ion Ratio Lower Upper
142 100
141 99.1 72.2 108.2





#37

1-Methylnaphthalene

Concen: 2.701 ng/ul

RT: 12.552 min Scan# 1

Delta R.T. 0.006 min

Lab File: BG061445.D

Acq: 4 Jun 2024 6:30

Instrument :

BNA_G

ClientSampleId :

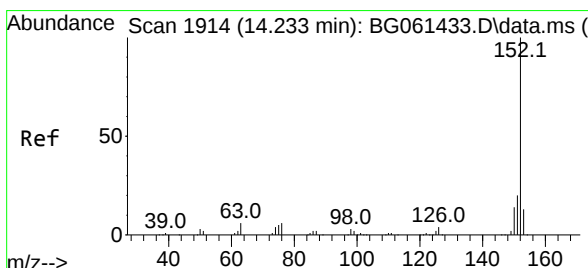
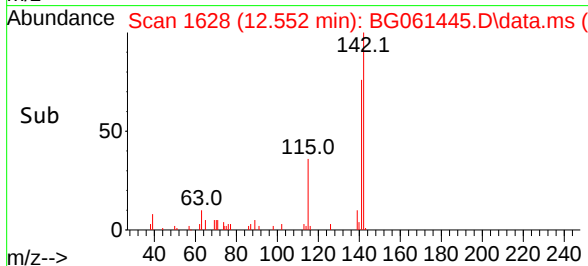
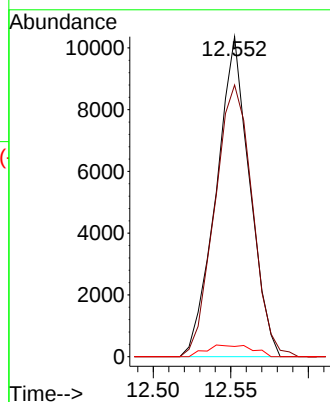
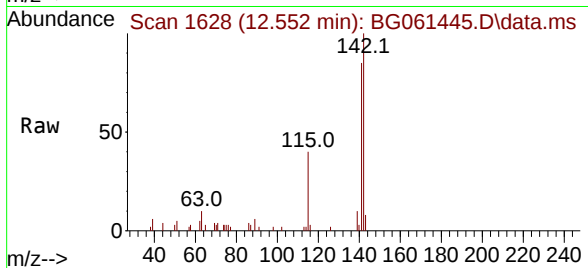
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Tgt Ion:	142	Resp:	1550
Ion Ratio	Lower	Upper	
142	100		
141	84.9	75.5	113.3
116	3.2	4.0	6.0

Manual Integrations

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Supervised By :mohammad ahmed 06/05/2024



#50

Acenaphthylene

Concen: 2.554 ng/ul

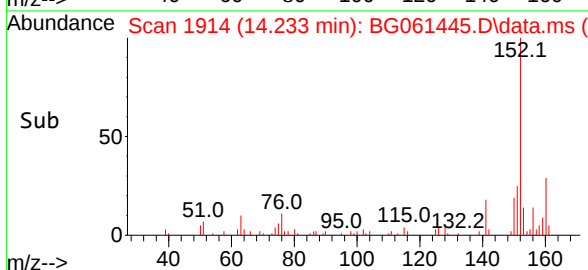
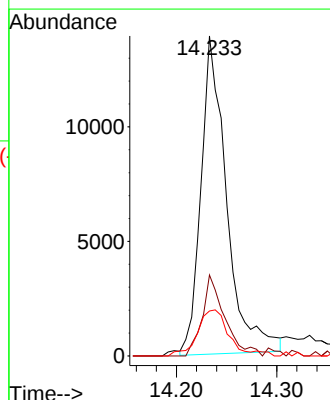
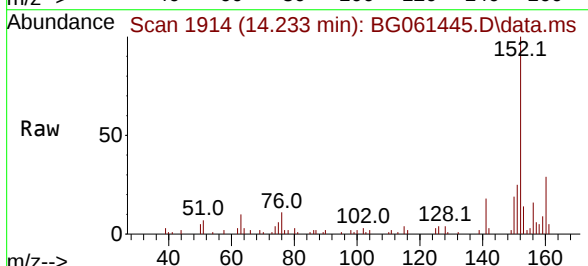
RT: 14.233 min Scan# 1914

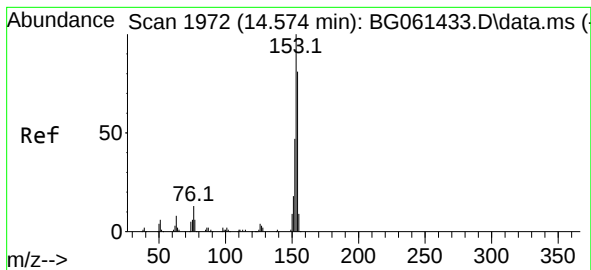
Delta R.T. 0.000 min

Lab File: BG061445.D

Acq: 4 Jun 2024 6:30

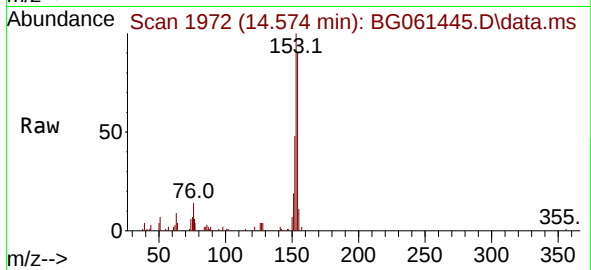
Tgt Ion:	152	Resp:	24775
Ion Ratio	Lower	Upper	
152	100		
151	25.3	16.2	24.2
153	14.1	10.2	15.4





#52
Acenaphthene
Concen: 3.180 ng/u1
RT: 14.574 min Scan# 1972
Delta R.T. 0.000 min
Lab File: BG061445.D
Acq: 4 Jun 2024 6:30

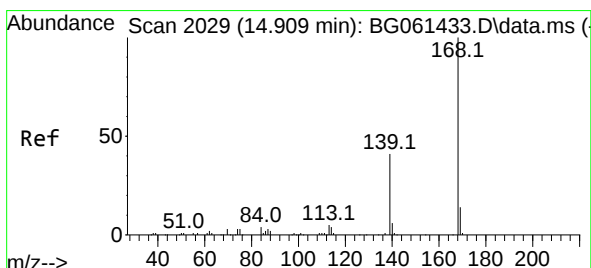
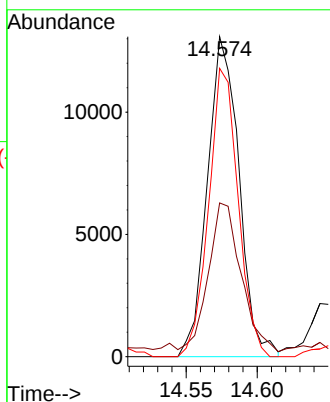
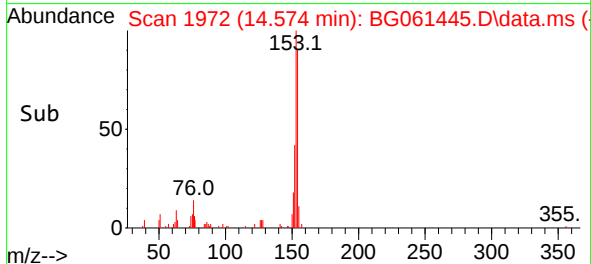
Instrument :
BNA_G
ClientSampleId :
BHBP9



Tgt Ion:153 Resp: 2023
Ion Ratio Lower Upper
153 100
152 48.1 37.8 56.8
154 90.1 69.0 103.6

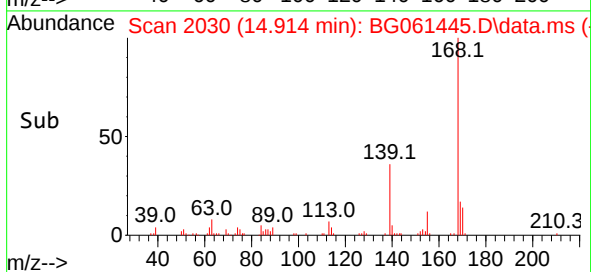
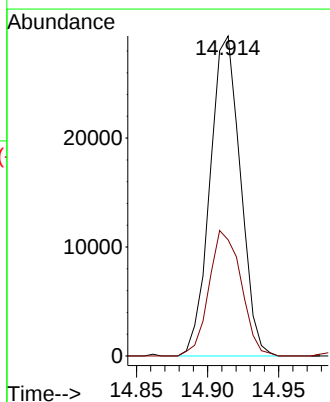
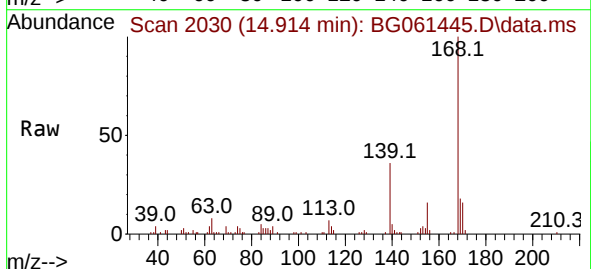
Manual Integrations
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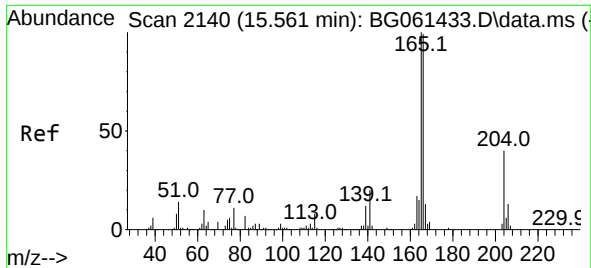
Reviewed By :Jagrut Upadhyay 06/04/2024
Supervised By :mohammad ahmed 06/05/2024



#56
Dibenzofuran
Concen: 4.809 ng/u1
RT: 14.914 min Scan# 2030
Delta R.T. 0.006 min
Lab File: BG061445.D
Acq: 4 Jun 2024 6:30

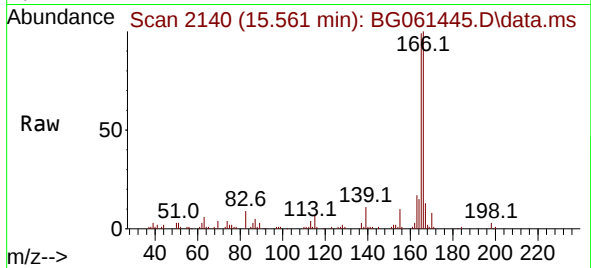
Tgt Ion:168 Resp: 43754
Ion Ratio Lower Upper
168 100
139 36.3 33.4 50.2





#61
Fluorene
Concen: 6.799 ng/u1
RT: 15.561 min Scan# 2140
Delta R.T. 0.000 min
Lab File: BG061445.D
Acq: 4 Jun 2024 6:30

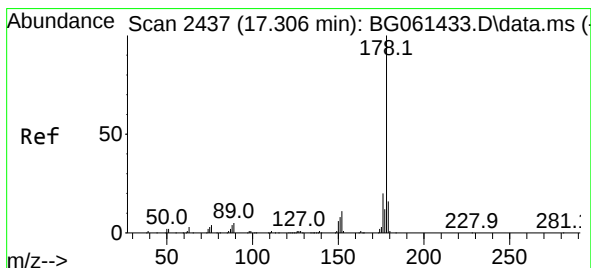
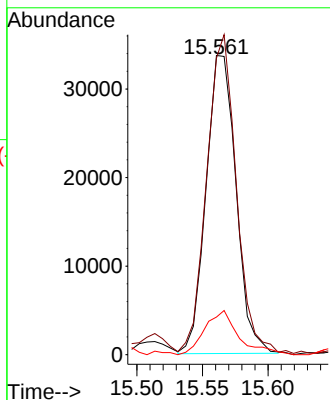
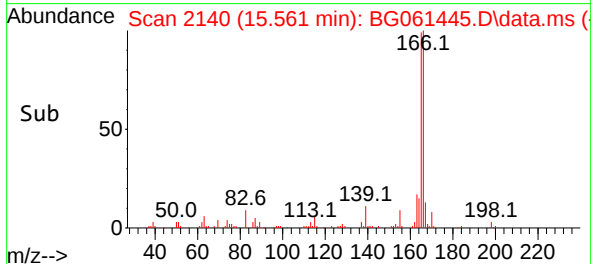
Instrument :
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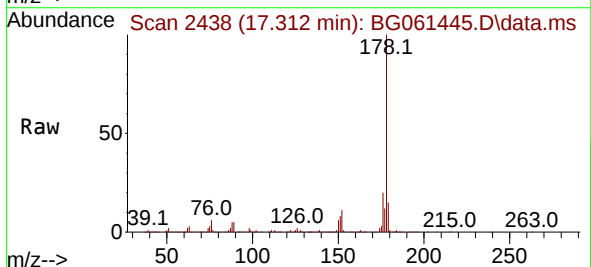
Tgt Ion:166 Resp: 53524
Ion Ratio Lower Upper
166 100
165 99.1 81.8 122.8
167 12.6 10.6 16.0

Manual Integrations
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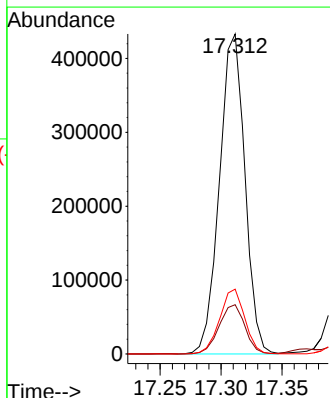
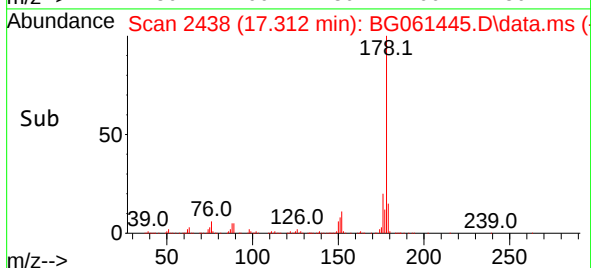
Reviewed By :Jagrut Upadhyay 06/04/2024
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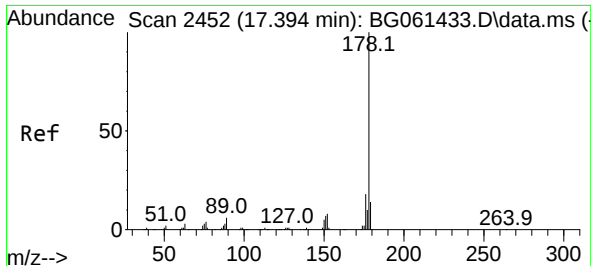


#72
Phenanthrene
Concen: 53.417 ng/u1
RT: 17.312 min Scan# 2438
Delta R.T. 0.012 min
Lab File: BG061445.D
Acq: 4 Jun 2024 6:30



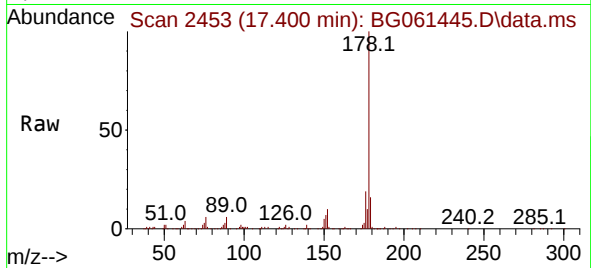
Tgt Ion:178 Resp: 630392
Ion Ratio Lower Upper
178 100
179 15.4 12.7 19.1
176 20.3 15.5 23.3





#74
 Anthracene
 Concen: 12.136 ng/ul
 RT: 17.400 min Scan# 2452
 Delta R.T. 0.006 min
 Lab File: BG061445.D
 Acq: 4 Jun 2024 6:30

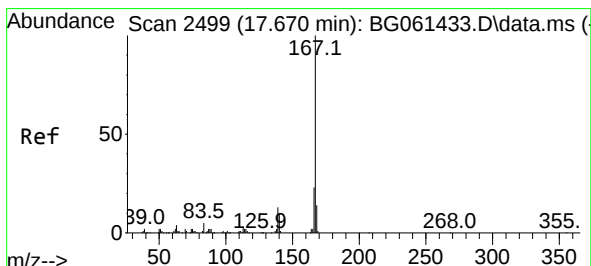
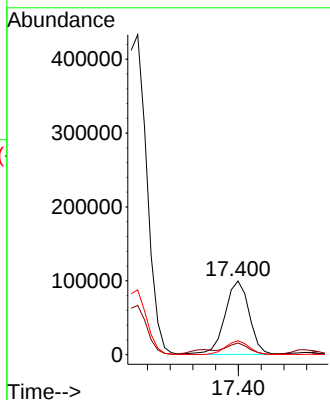
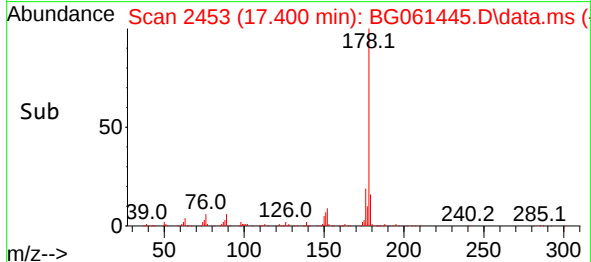
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Tgt Ion:178 Resp: 14808
 Ion Ratio Lower Upper
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 179 15.9 11.8 17.6
 176 19.0 14.9 22.3

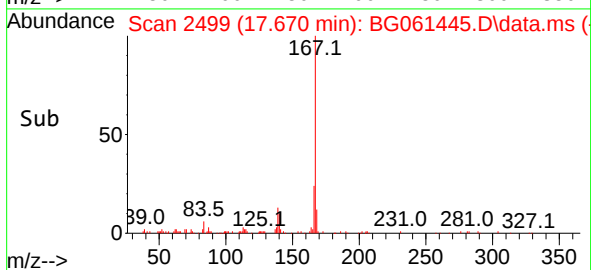
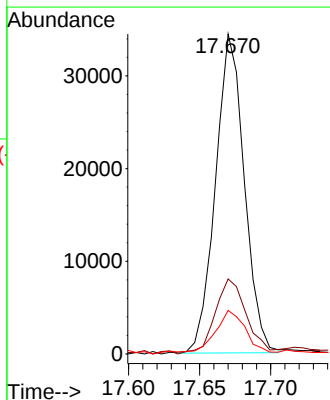
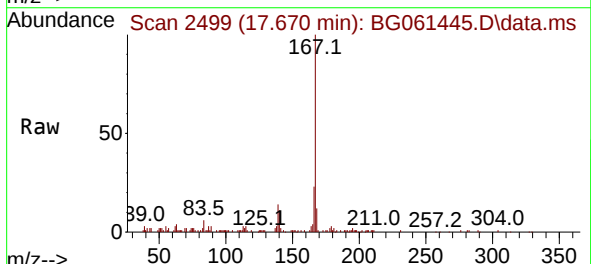
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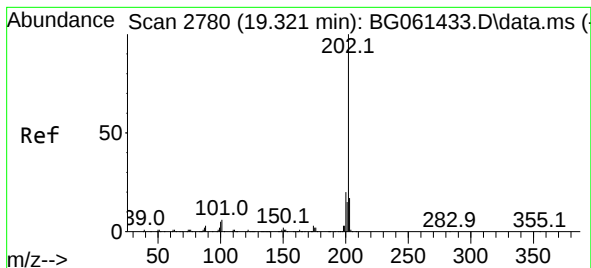
Reviewed By :Jagrut Upadhyay 06/04/2024
 Supervised By :mohammad ahmed 06/05/2024



#77
 Carbazole
 Concen: 4.887 ng/ul
 RT: 17.670 min Scan# 2499
 Delta R.T. 0.006 min
 Lab File: BG061445.D
 Acq: 4 Jun 2024 6:30

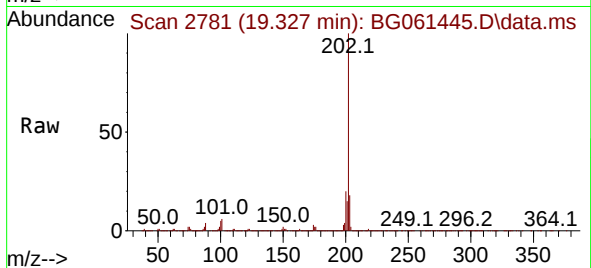
Tgt Ion:167 Resp: 48500
 Ion Ratio Lower Upper
 167 100
 166 23.4 18.6 28.0
 139 13.6 10.6 15.8





#80
Fluoranthene
Concen: 53.003 ng/u1
RT: 19.327 min Scan# 21
Delta R.T. 0.012 min
Lab File: BG061445.D
Acq: 4 Jun 2024 6:30

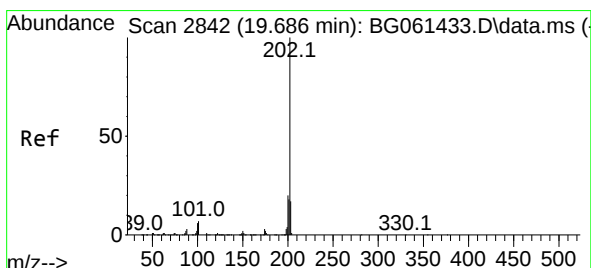
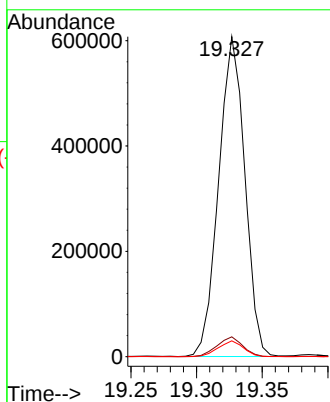
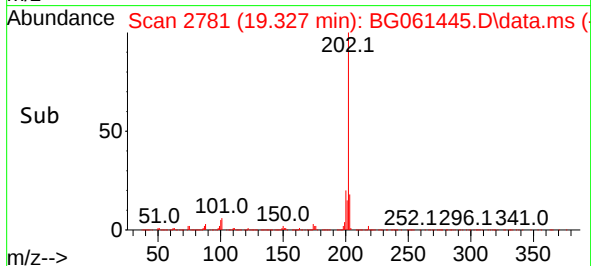
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ClientSampleId :
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Tgt Ion:202 Resp: 84240
Ion Ratio Lower Upper
202 100
101 6.2 4.8 7.2
100 4.9 4.1 6.1

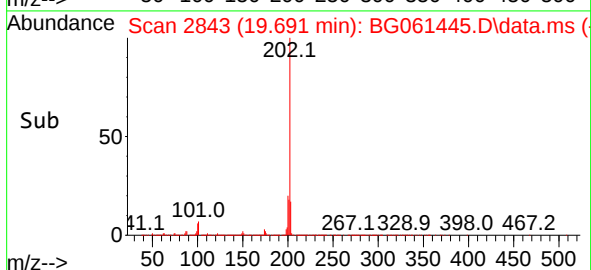
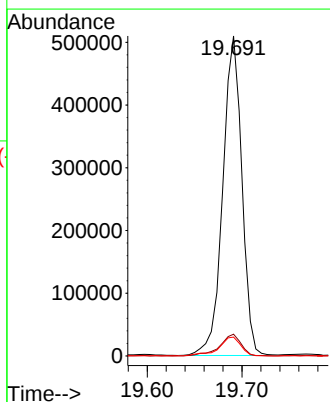
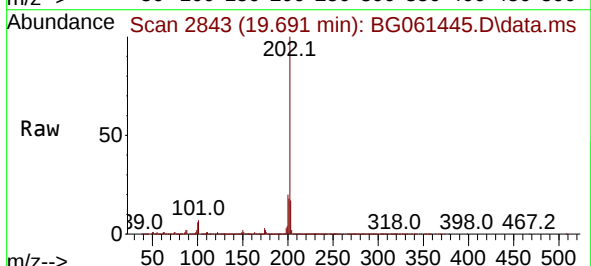
Manual Integrations
APPROVED

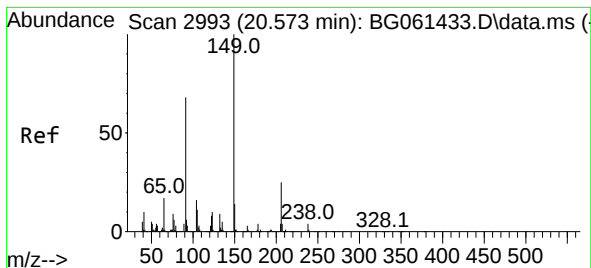
Reviewed By :Jagrut Upadhyay 06/04/2024
Supervised By :mohammad ahmed 06/05/2024



#82
Pyrene
Concen: 43.279 ng/u1
RT: 19.691 min Scan# 2843
Delta R.T. 0.012 min
Lab File: BG061445.D
Acq: 4 Jun 2024 6:30

Tgt Ion:202 Resp: 713990
Ion Ratio Lower Upper
202 100
101 6.8 5.7 8.5
100 5.9 5.1 7.7





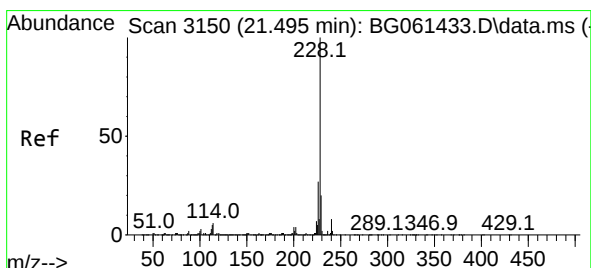
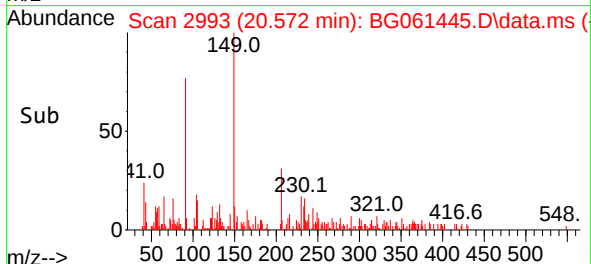
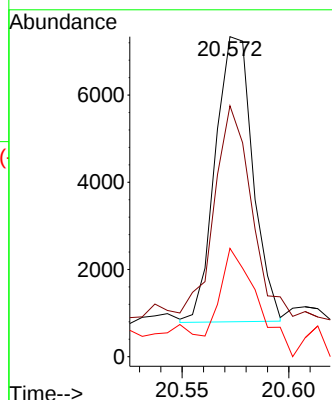
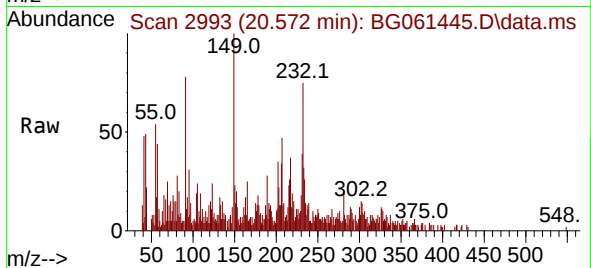
#83
Butylbenzylphthalate
Concen: 1.415 ng/ul
RT: 20.572 min Scan# 2993
Delta R.T. 0.000 min
Lab File: BG061445.D
Acq: 4 Jun 2024 6:30

Instrument :
BNA_G
ClientSampleId :
BHBP9

Tgt Ion:	149	Resp:	8020
Ion Ratio	Lower	Upper	
149	100		
91	78.4	54.8	82.2
206	33.9	19.4	29.0

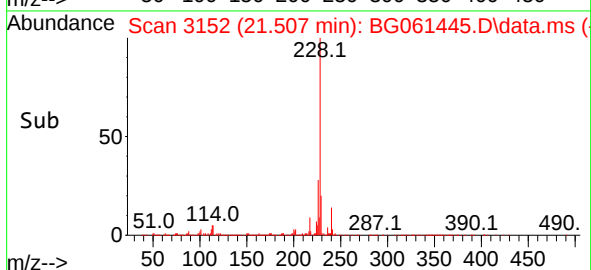
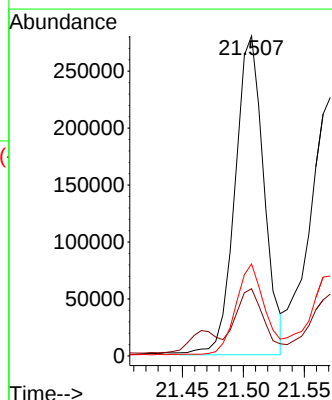
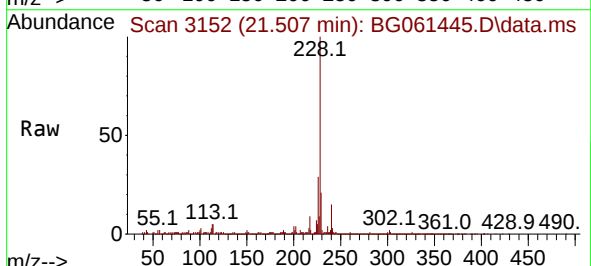
Manual Integrations
APPROVED

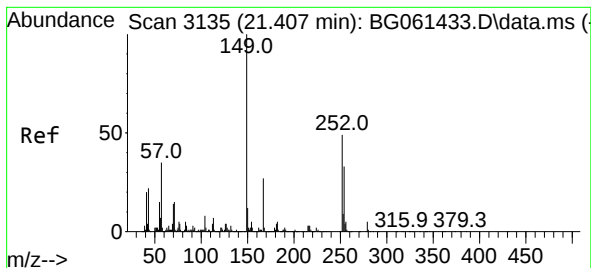
Reviewed By :Jagrut Upadhyay 06/04/2024
Supervised By :mohammad ahmed 06/05/2024



#85
Benzo(a)anthracene
Concen: 25.944 ng/ul
RT: 21.507 min Scan# 3152
Delta R.T. 0.012 min
Lab File: BG061445.D
Acq: 4 Jun 2024 6:30

Tgt Ion:	228	Resp:	461905
Ion Ratio	Lower	Upper	
228	100		
229	21.0	15.2	22.8
226	28.7	21.4	32.2





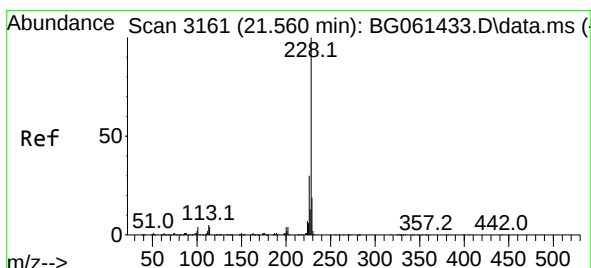
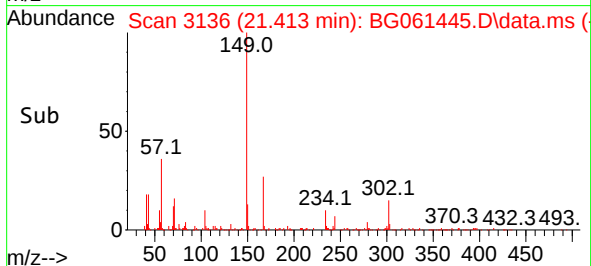
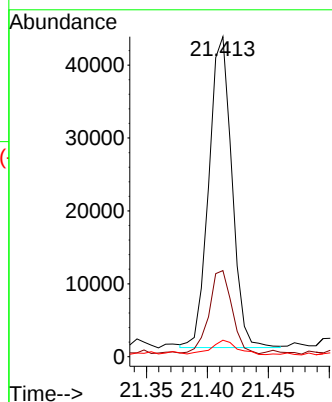
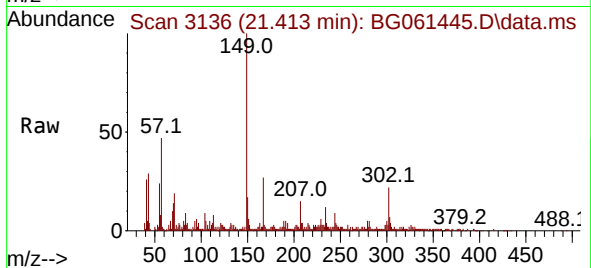
#86
Bis(2-ethylhexyl)phthalate
Concen: 6.693 ng/ul
RT: 21.413 min Scan# 3136
Delta R.T. 0.006 min
Lab File: BG061445.D
Acq: 4 Jun 2024 6:30

Instrument :
BNA_G
ClientSampleId :
BHBP9

Tgt Ion:149 Resp: 5614
Ion Ratio Lower Upper
149 100
167 26.9 21.1 31.7
279 5.2 3.3 4.9

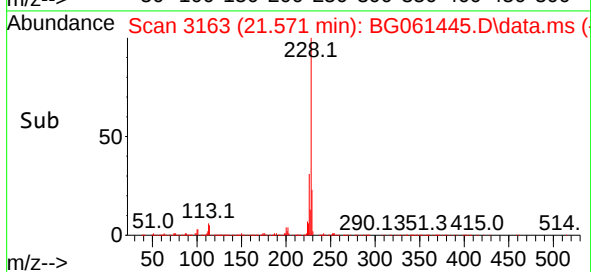
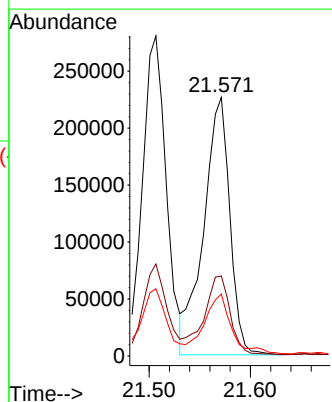
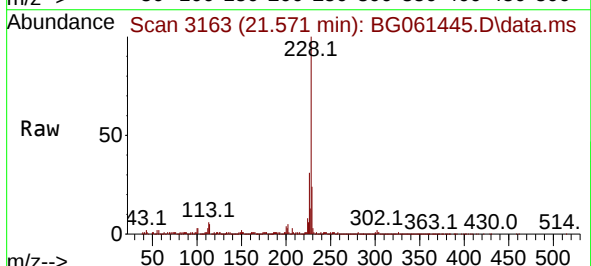
Manual Integrations
APPROVED

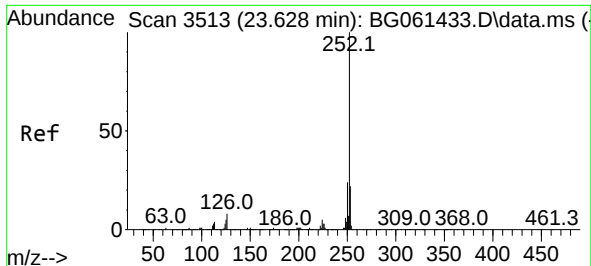
Reviewed By :Jagrut Upadhyay 06/04/2024
Supervised By :mohammad ahmed 06/05/2024



#87
Chrysene
Concen: 24.884 ng/ul m
RT: 21.571 min Scan# 3163
Delta R.T. 0.018 min
Lab File: BG061445.D
Acq: 4 Jun 2024 6:30

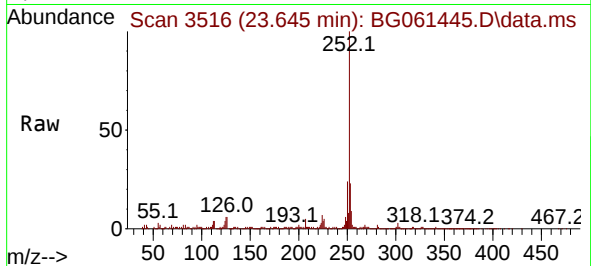
Tgt Ion:228 Resp: 407936
Ion Ratio Lower Upper
228 100
226 30.9 23.4 35.0
229 24.0 15.4 23.2





#90
Benzo(b)fluoranthene
Concen: 28.882 ng/ul
RT: 23.645 min Scan# 3516
Delta R.T. 0.030 min
Lab File: BG061445.D
Acq: 4 Jun 2024 6:30

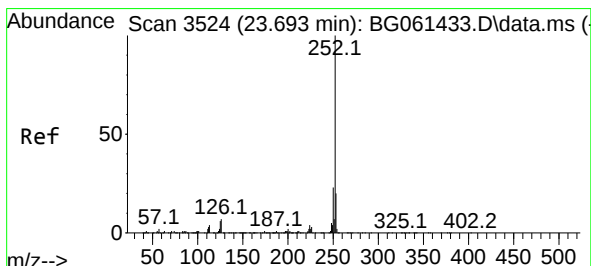
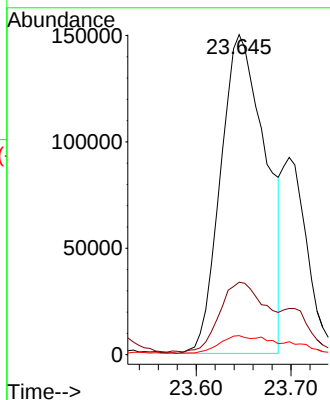
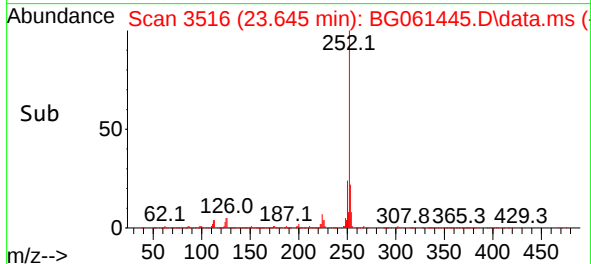
Instrument :
BNA_G
ClientSampleId :
BHBP9



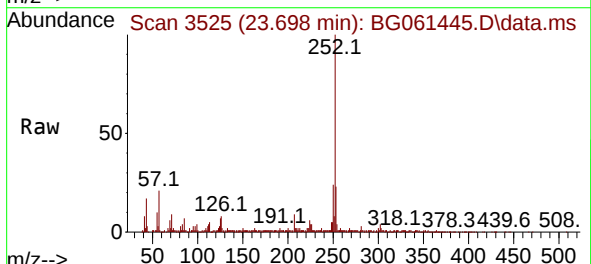
Tgt Ion:252 Resp: 49448
Ion Ratio Lower Upper
252 100
253 22.7 17.8 26.8
125 5.9 4.6 6.8

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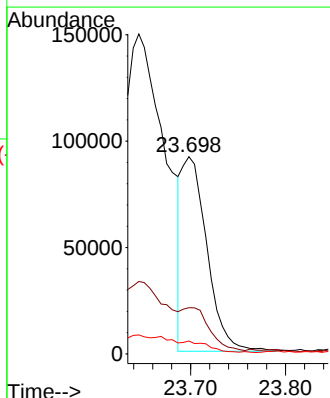
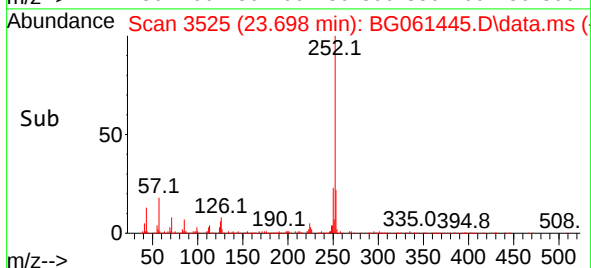
Reviewed By :Jagrut Upadhyay 06/04/2024
Supervised By :mohammad ahmed 06/05/2024

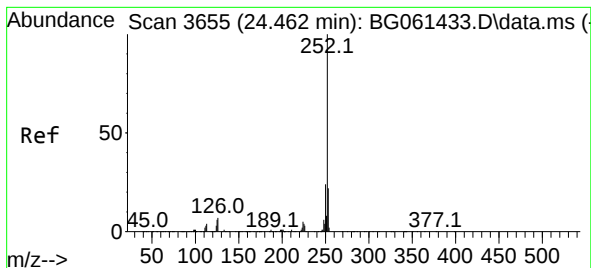


#91
Benzo(k)fluoranthene
Concen: 9.666 ng/ul m
RT: 23.698 min Scan# 3525
Delta R.T. 0.018 min
Lab File: BG061445.D
Acq: 4 Jun 2024 6:30



Tgt Ion:252 Resp: 167998
Ion Ratio Lower Upper
252 100
253 23.4 16.0 24.0
125 6.5 4.3 6.5#





#93

Benzo(a)pyrene

Concen: 20.961 ng/ul

RT: 24.480 min Scan# 3

Delta R.T. 0.030 min

Lab File: BG061445.D

Acq: 4 Jun 2024 6:30

Instrument :

BNA_G

ClientSampleId :

BHBP9

Tgt Ion:252 Resp: 340769

Ion Ratio Lower Upper

252 100

253 22.9 16.4 24.6

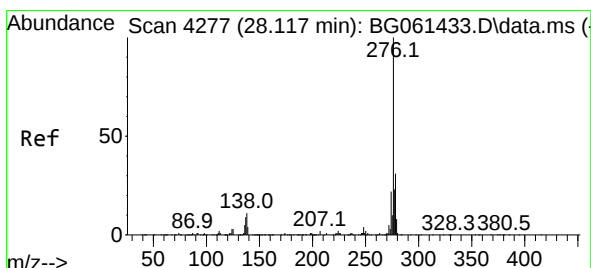
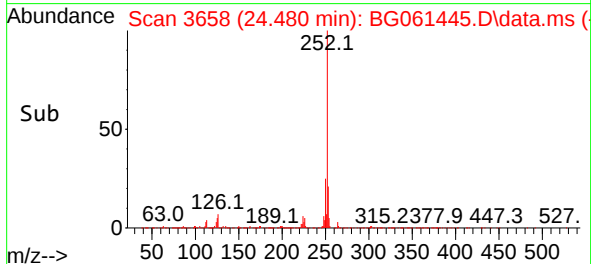
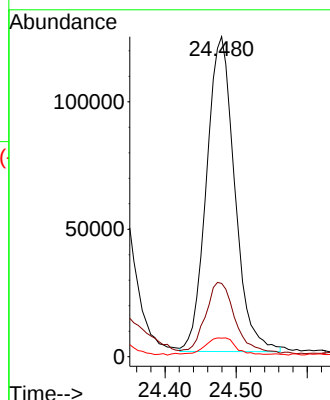
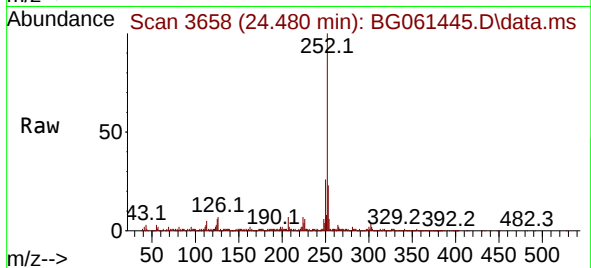
125 5.8 4.3 6.5

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 06/04/2024

Supervised By :mohammad ahmed 06/05/2024



#94

Indeno(1,2,3-cd)pyrene

Concen: 8.733 ng/ul m

RT: 28.140 min Scan# 4281

Delta R.T. 0.047 min

Lab File: BG061445.D

Acq: 4 Jun 2024 6:30

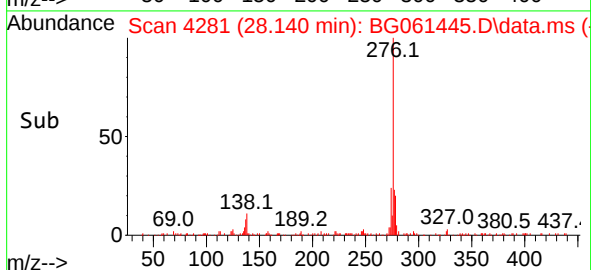
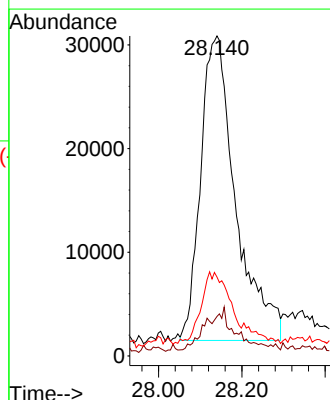
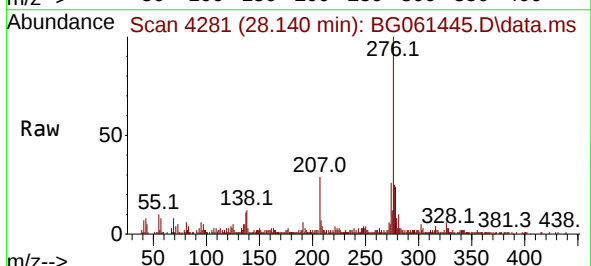
Tgt Ion:276 Resp: 171690

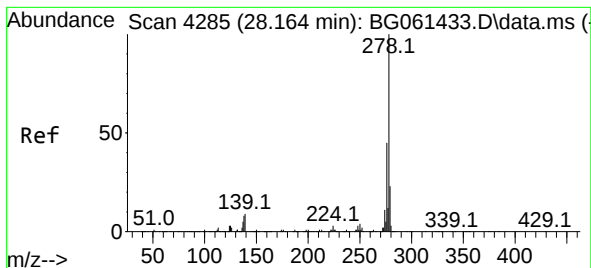
Ion Ratio Lower Upper

276 100

138 12.4 8.6 13.0

277 24.6 19.7 29.5





#95

Dibenzo(a,h)anthracene

Concen: 2.924 ng/ul m

RT: 28.169 min Scan# 4285

Delta R.T. 0.030 min

Lab File: BG061445.D

Acq: 4 Jun 2024 6:30

Instrument :

BNA_G

ClientSampleId :

BHBP9

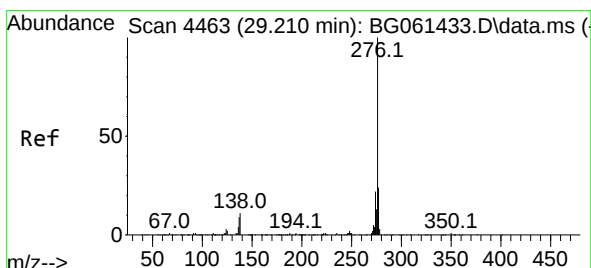
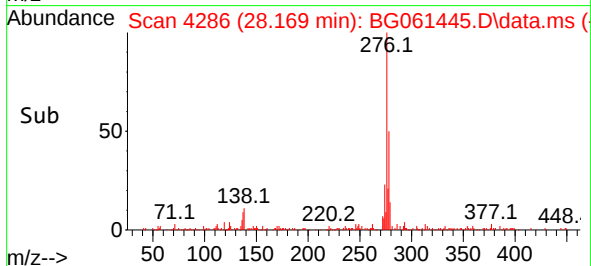
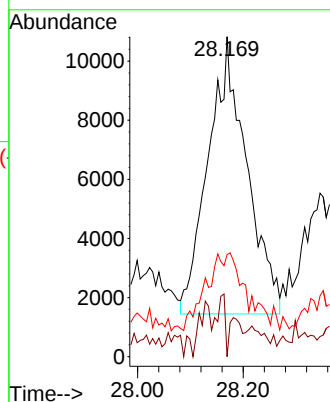
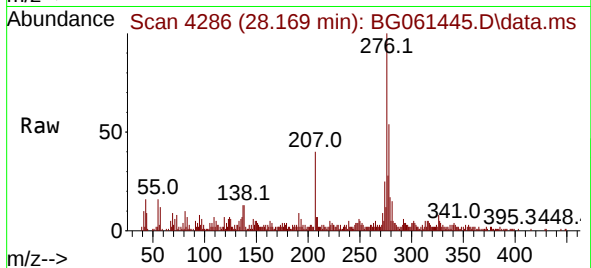
Tgt Ion:278 Resp: 47408

Ion	Ratio	Lower	Upper
278	100		
139	0.0	6.4	9.6
279	31.9	19.9	29.9

Manual Integrations

APPROVED

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



#96

Benzo(g,h,i)perylene

Concen: 7.432 ng/ul m

RT: 29.239 min Scan# 4468

Delta R.T. 0.065 min

Lab File: BG061445.D

Acq: 4 Jun 2024 6:30

Tgt Ion:276 Resp: 116237

Ion	Ratio	Lower	Upper
276	100		
138	9.7	8.7	13.1
277	24.9	18.2	27.2

