

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG072523\
 Data File : BG058474.D
 Acq On : 26 Jul 2023 11:30
 Operator : CG/JU
 Sample : 03540-03DL 5X
 Misc :
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 A4734DL

Quant Time: Jul 26 22:43:07 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG071723.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Wed Jul 26 17:43:09 2023
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 07/27/2023
 Supervised By :mohammad ahmed 07/27/2023

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.818	152	51559	20.000	ng/u1	0.00
20) Naphthalene-d8	10.620	136	215046	20.000	ng/u1	0.00
38) Acenaphthene-d10	14.463	164	147950	20.000	ng/u1	0.00
64) Phenanthrene-d10	17.207	188	331103	20.000	ng/u1	0.00
79) Chrysene-d12	21.449	240	285898	20.000	ng/u1	0.00
88) Perylene-d12	24.522	264	363710	20.000	ng/u1	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.241	96	999	0.713	ng/uL	0.00
4) Pyridine-d5	3.652	84	5953	1.432	ng/u1	0.00
7) Phenol-d5	6.989	99	12956	2.649	ng/u1	0.00
9) Bis-(2-Chloroethyl)eth...	7.142	67	11004	3.600	ng/u1	0.00
11) 2-Chlorophenol-d4	7.348	132	12757	3.726	ng/u1	0.00
15) 4-Methylphenol-d8	8.528	113	10644	2.853	ng/u1	0.00
21) Nitrobenzene-d5	8.981	128	5506	3.416	ng/u1	0.00
24) 2-Nitrophenol-d4	9.698	143	6051	3.439	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	10.250	165	10612	3.146	ng/u1	0.00
31) 4-Chloroaniline-d4	0.000	131	0d	0.000	ng/u1	
46) Dimethylphthalate-d6	13.869	166	46487	4.075	ng/u1	0.00
49) Acenaphthylene-d8	14.157	160	43614	3.648	ng/u1	0.00
54) 4-Nitrophenol-d4	0.000	143	0d	0.000	ng/u1	
60) Fluorene-d10	15.456	176	41973	4.444	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	0.000	200	0d	0.000	ng/u1	
73) Anthracene-d10	17.306	188	59175	4.136	ng/u1	0.00
81) Pyrene-d10	19.598	212	26819	1.588	ng/u1	0.00
92) Benzo(a)pyrene-d12	24.310	264	12611	0.717	ng/u1	0.00
Target Compounds					Qvalue	
16) Acetophenone	8.640	105	14584	2.295	ng/u1	94
30) Naphthalene	10.667	128	53851	4.685	ng/u1	100
36) 2-Methylnaphthalene	12.283	142	20290	2.635	ng/u1	98
37) 1-Methylnaphthalene	12.500	142	15994	2.026	ng/u1#	96
47) Dimethylphthalate	13.916	163	14645	1.278	ng/u1	98
52) Acenaphthene	14.527	153	78151	8.722	ng/u1	97
56) Dibenzofuran	14.862	168	85665	6.714	ng/u1	97
61) Fluorene	15.509	166	96547	9.228	ng/u1	100
72) Phenanthrene	17.254	178	896728	56.990	ng/u1	98
74) Anthracene	17.342	178	211254	13.374	ng/u1	100
77) Carbazole	17.612	167	26015	1.900	ng/u1	98
78) Di-n-butylphthalate	18.164	149	18271	1.050	ng/u1	98
80) Fluoranthene	19.269	202	982694	50.799	ng/u1	99
82) Pyrene	19.627	202	281387	14.356	ng/u1	99
85) Benzo(a)anthracene	21.431	228	456286	23.744	ng/u1	99
86) Bis(2-ethylhexyl)phtha...	21.337	149	48750	4.441	ng/u1	99
87) Chrysene	21.496	228	350184	19.212	ng/u1	97
90) Benzo(b)fluoranthene	23.546	252	421022	20.007	ng/u1	99
91) Benzo(k)fluoranthene	23.605	252	179226m	8.539	ng/u1	
93) Benzo(a)pyrene	24.375	252	47713	2.549	ng/u1#	93
94) Indeno(1,2,3-cd)pyrene	28.000	276	66396m	2.692	ng/u1	
95) Dibenzo(a,h)anthracene	28.053	278	56361m	2.787	ng/u1	

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

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

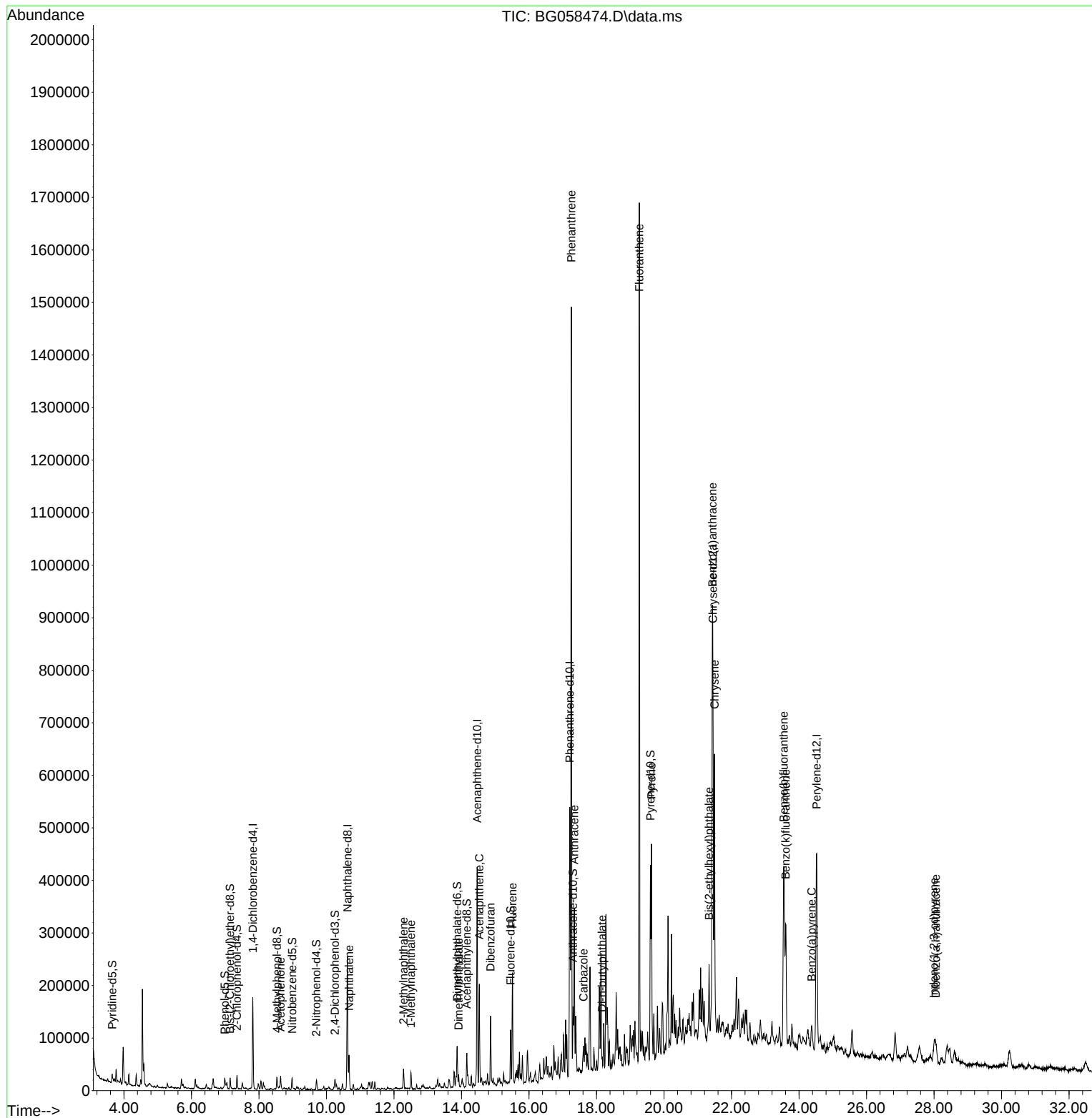
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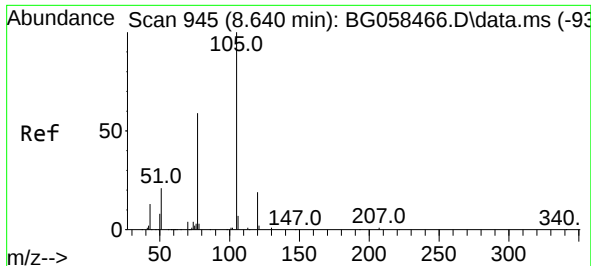
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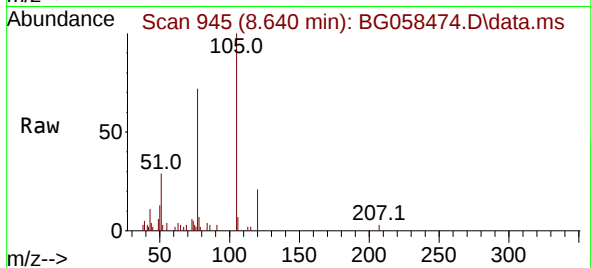
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#16
Acetophenone
Concen: 2.295 ng/ul
RT: 8.640 min Scan# 945
Delta R.T. 0.001 min
Lab File: BG058474.D
Acq: 26 Jul 2023 11:30

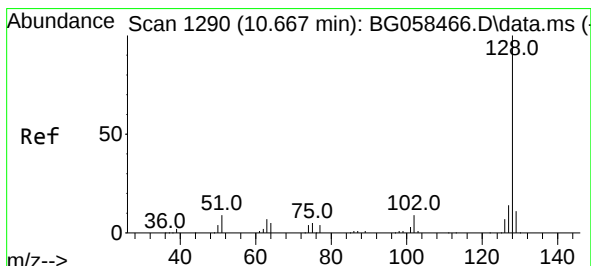
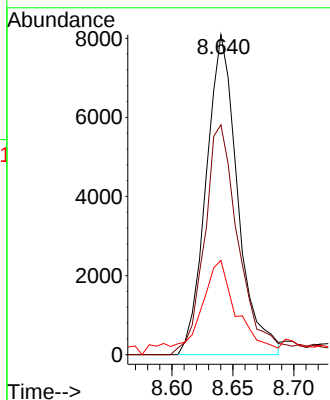
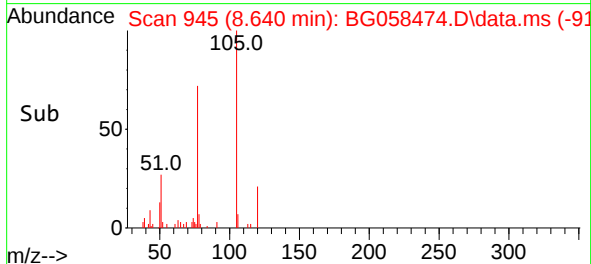
Instrument :
BNA_G
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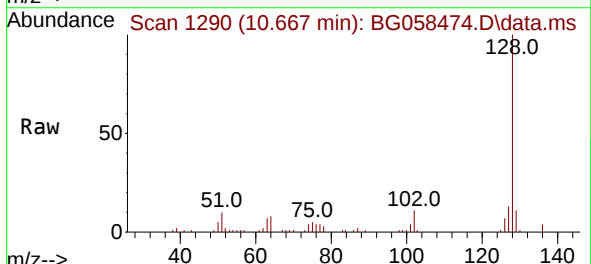
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Ion Ratio Lower Upper
105 100
77 71.9 62.9 94.3
51 29.4 23.6 35.4

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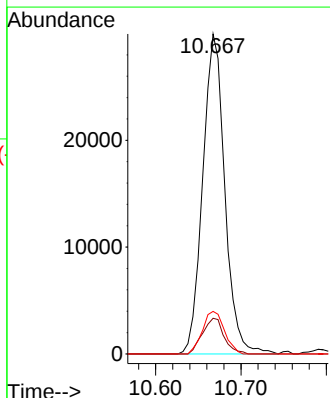
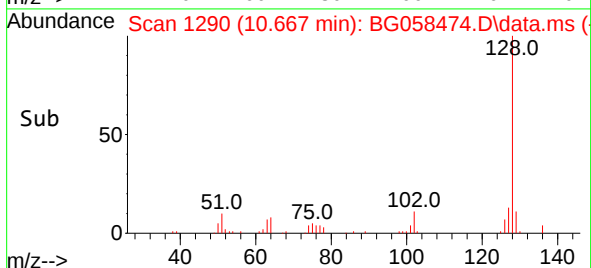
Reviewed By :Yogesh Patel 07/27/2023
Supervised By :mohammad ahmed 07/27/2023

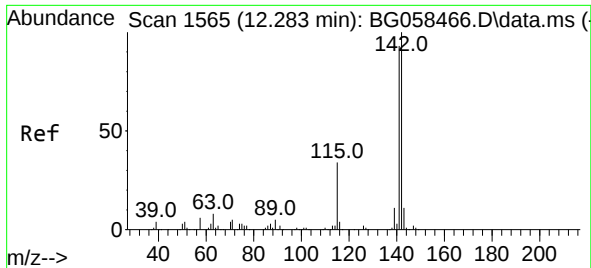


#30
Naphthalene
Concen: 4.685 ng/ul
RT: 10.667 min Scan# 1290
Delta R.T. 0.001 min
Lab File: BG058474.D
Acq: 26 Jul 2023 11:30



Tgt Ion:128 Resp: 53851
Ion Ratio Lower Upper
128 100
129 11.1 8.7 13.1
127 13.3 10.6 16.0





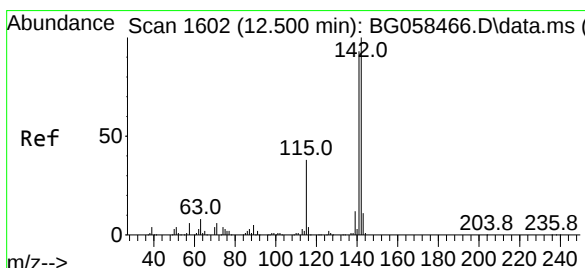
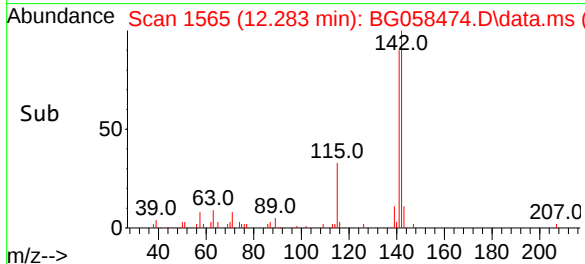
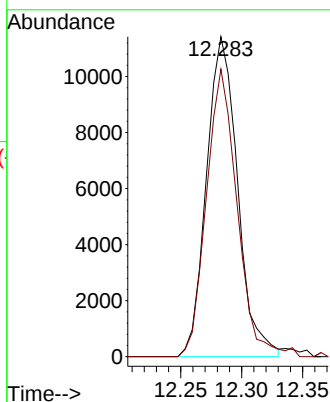
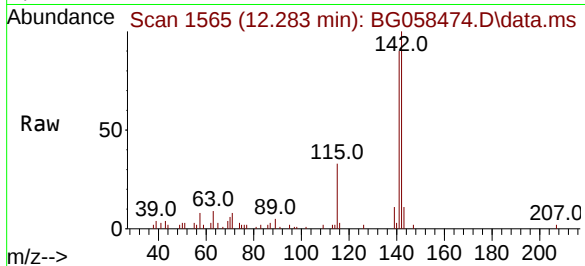
#36
2-Methylnaphthalene
Concen: 2.635 ng/ul
RT: 12.283 min Scan# 1565
Delta R.T. 0.001 min
Lab File: BG058474.D
Acq: 26 Jul 2023 11:30

Instrument :
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ClientSampleId :
A4734DL

Tgt Ion:142 Resp: 20290
Ion Ratio Lower Upper
142 100
141 89.8 73.7 110.5

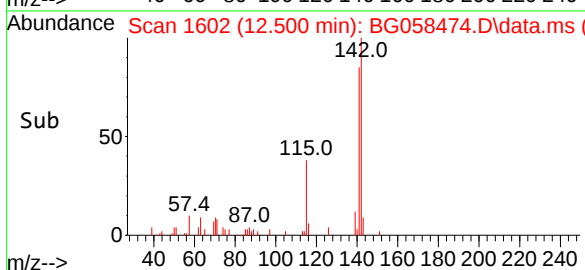
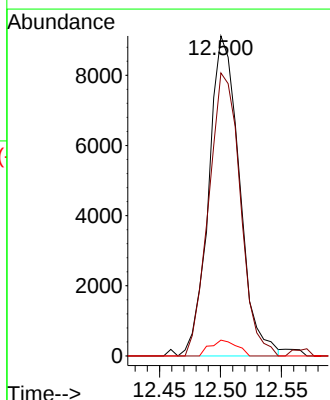
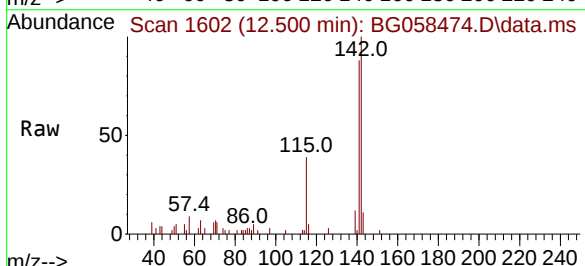
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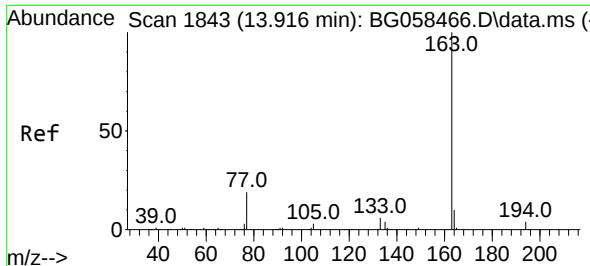
Reviewed By :Yogesh Patel 07/27/2023
Supervised By :mohammad ahmed 07/27/2023



#37
1-Methylnaphthalene
Concen: 2.026 ng/ul
RT: 12.500 min Scan# 1602
Delta R.T. -0.005 min
Lab File: BG058474.D
Acq: 26 Jul 2023 11:30

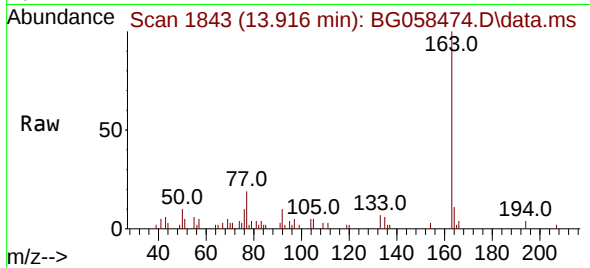
Tgt Ion:142 Resp: 15994
Ion Ratio Lower Upper
142 100
141 88.5 73.8 110.6
116 5.0 2.9 4.3#





#47
Dimethylphthalate
Concen: 1.278 ng/ul
RT: 13.916 min Scan# 1843
Delta R.T. 0.001 min
Lab File: BG058474.D
Acq: 26 Jul 2023 11:30

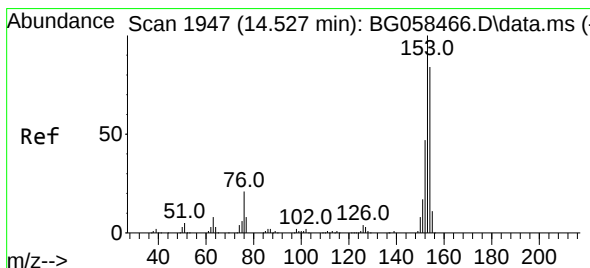
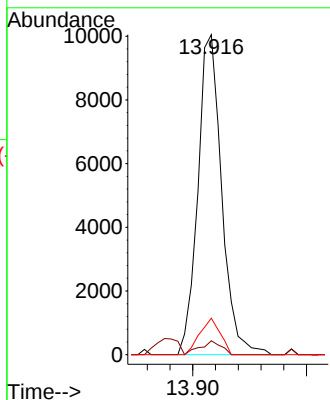
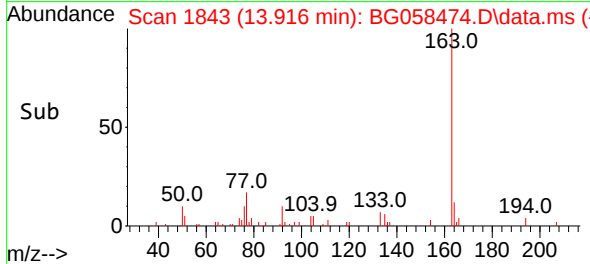
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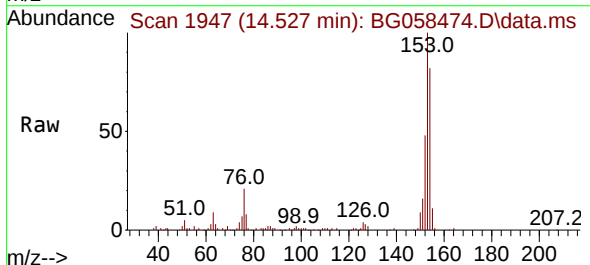
Tgt Ion:163 Resp: 1464
Ion Ratio Lower Upper
163 100
194 4.4 3.0 4.4
164 11.4 8.6 13.0

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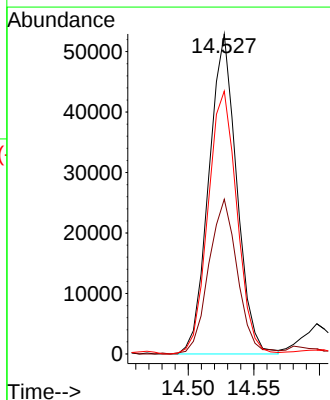
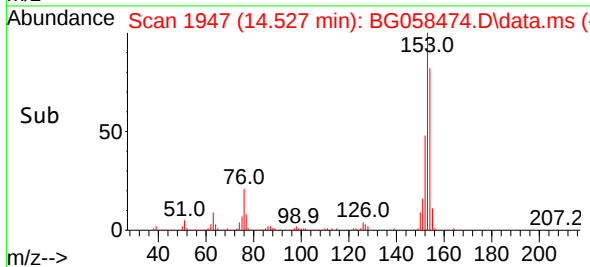
Reviewed By :Yogesh Patel 07/27/2023
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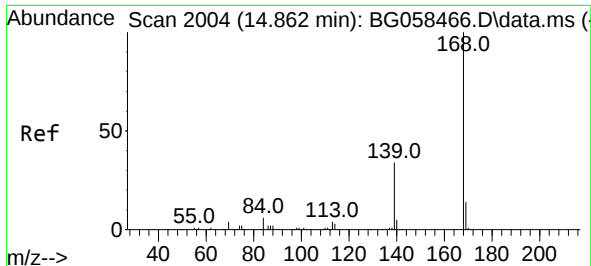


#52
Acenaphthene
Concen: 8.722 ng/ul
RT: 14.527 min Scan# 1947
Delta R.T. 0.001 min
Lab File: BG058474.D
Acq: 26 Jul 2023 11:30



Tgt Ion:153 Resp: 78151
Ion Ratio Lower Upper
153 100
152 48.4 38.0 57.0
154 82.2 68.5 102.7





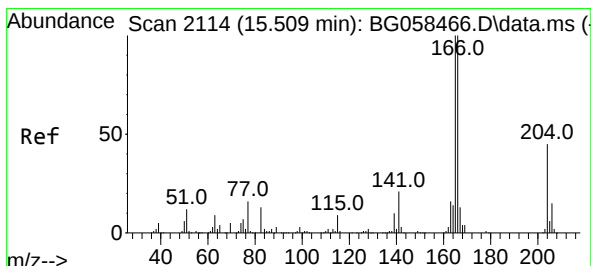
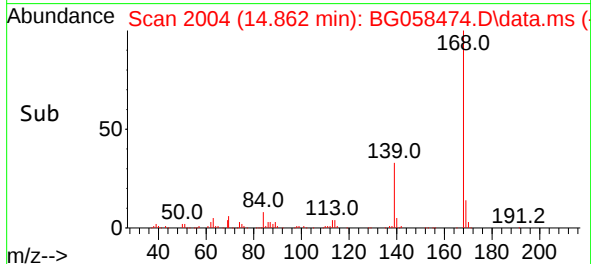
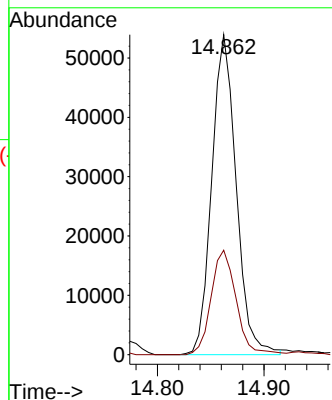
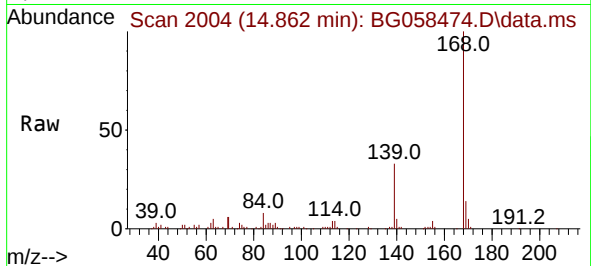
#56
Diben-zofuran
Concen: 6.714 ng/ul
RT: 14.862 min Scan# 2004
Delta R.T. 0.001 min
Lab File: BG058474.D
Acq: 26 Jul 2023 11:30

Instrument :
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ClientSampleId :
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Tgt Ion:168 Resp: 8566
Ion Ratio Lower Upper
168 100
139 32.7 27.3 40.9

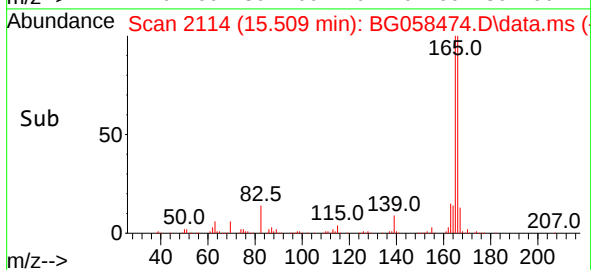
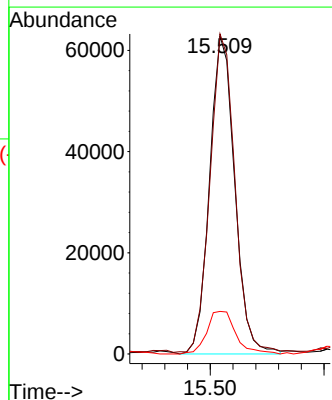
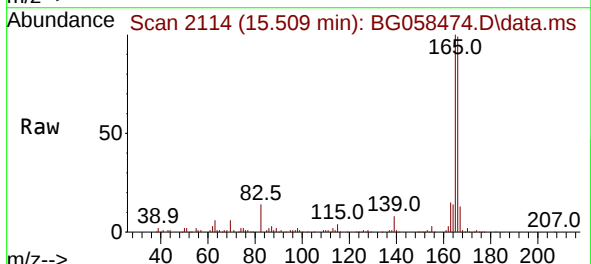
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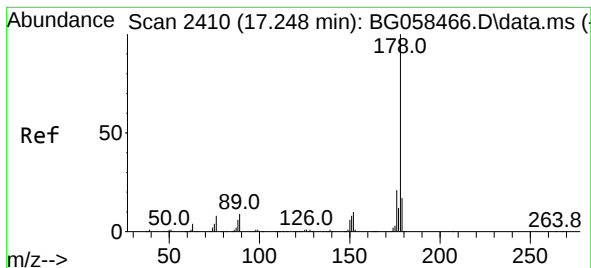
Reviewed By :Yogesh Patel 07/27/2023
Supervised By :mohammad ahmed 07/27/2023



#61
Fluorene
Concen: 9.228 ng/ul
RT: 15.509 min Scan# 2114
Delta R.T. -0.005 min
Lab File: BG058474.D
Acq: 26 Jul 2023 11:30

Tgt Ion:166 Resp: 96547
Ion Ratio Lower Upper
166 100
165 100.6 80.9 121.3
167 13.4 10.6 16.0





#72

Phenanthrene

Concen: 56.990 ng/u1

RT: 17.254 min Scan# 2411

Delta R.T. 0.001 min

Lab File: BG058474.D

Acq: 26 Jul 2023 11:30

Instrument :

BNA_G

ClientSampleId :

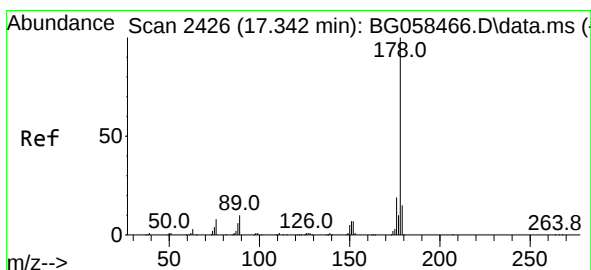
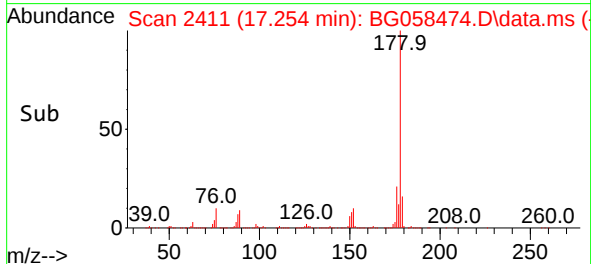
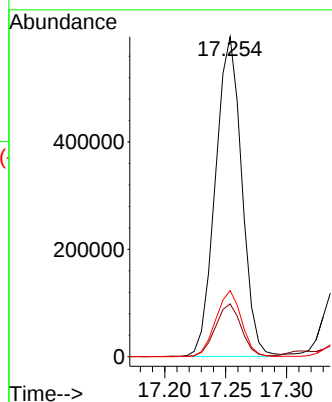
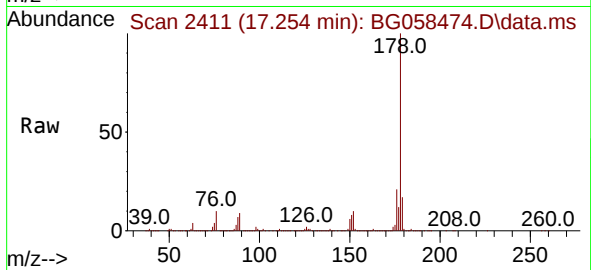
A4734DL

Tgt Ion:178 Resp: 896728
 Ion Ratio Lower Upper
 178 100
 179 16.5 12.5 18.7
 176 20.7 15.7 23.5

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#74

Anthracene

Concen: 13.374 ng/u1

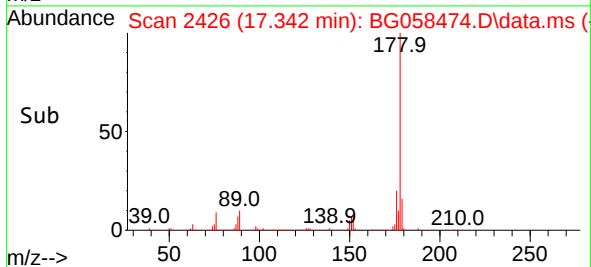
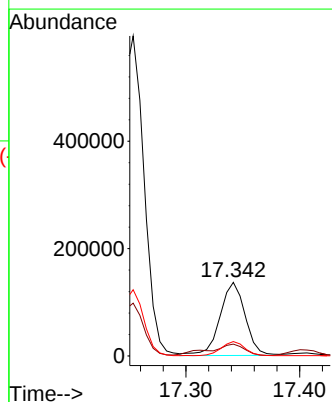
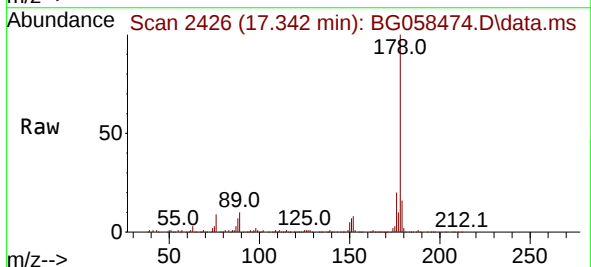
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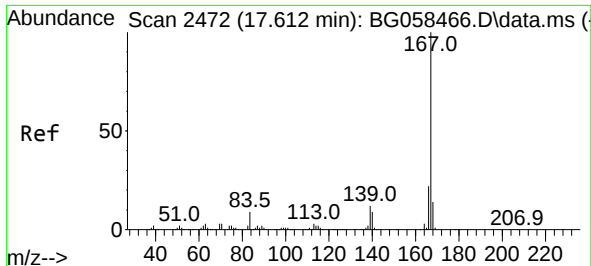
Delta R.T. 0.001 min

Lab File: BG058474.D

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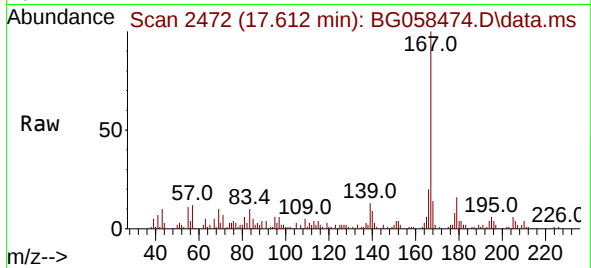
Tgt Ion:178 Resp: 211254
 Ion Ratio Lower Upper
 178 100
 179 16.0 12.9 19.3
 176 19.6 15.9 23.9





#77
 Carbazole
 Concen: 1.900 ng/ul
 RT: 17.612 min Scan# 2472
 Delta R.T. 0.001 min
 Lab File: BG058474.D
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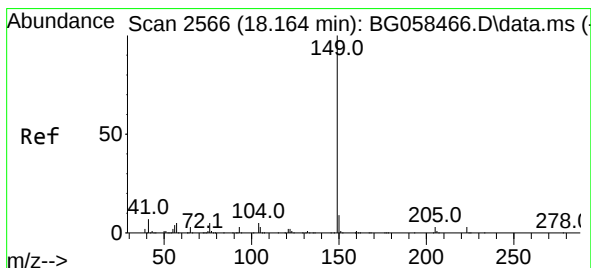
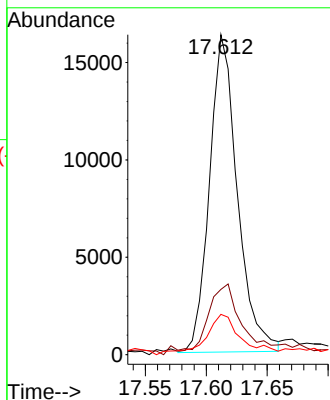
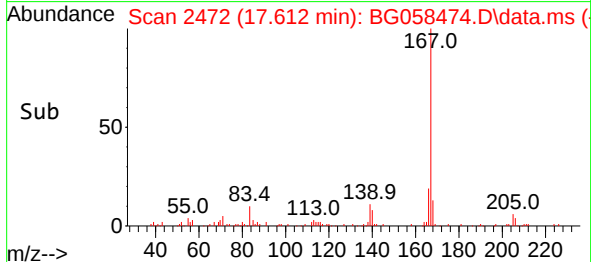
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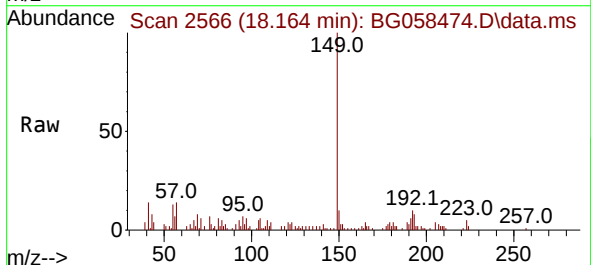
Tgt Ion	Ratio	Lower	Upper
167	100		
166	20.4	17.4	26.0
139	12.6	9.4	14.2

Manual Integrations
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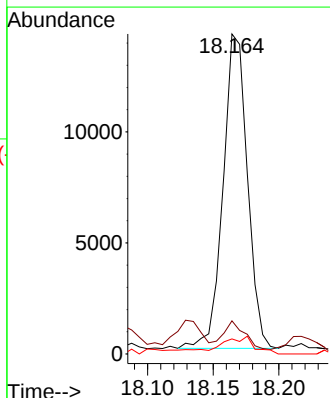
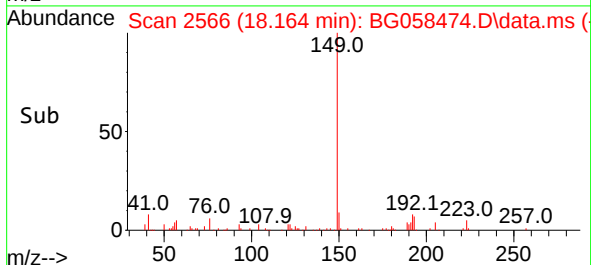
Reviewed By :Yogesh Patel 07/27/2023
 Supervised By :mohammad ahmed 07/27/2023

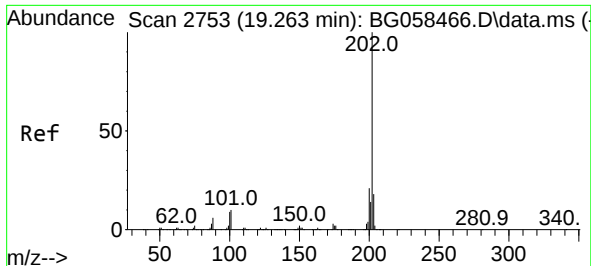


#78
 Di-n-butylphthalate
 Concen: 1.050 ng/ul
 RT: 18.164 min Scan# 2566
 Delta R.T. -0.005 min
 Lab File: BG058474.D
 Acq: 26 Jul 2023 11:30



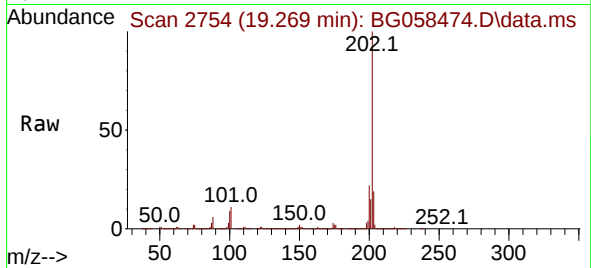
Tgt Ion	Ratio	Lower	Upper
149	100		
150	10.3	7.4	11.0
104	4.7	3.8	5.8





#80
Fluoranthene
Concen: 50.799 ng/ul
RT: 19.269 min Scan# 21
Delta R.T. 0.007 min
Lab File: BG058474.D
Acq: 26 Jul 2023 11:30

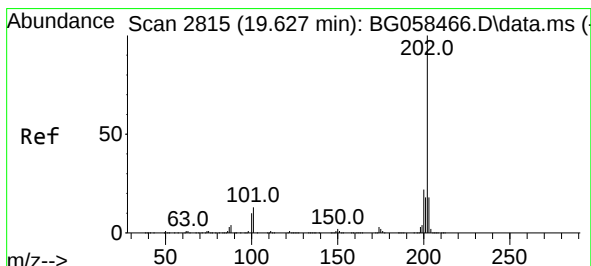
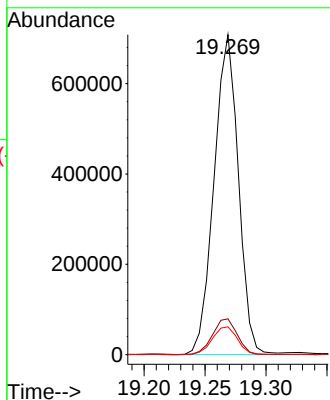
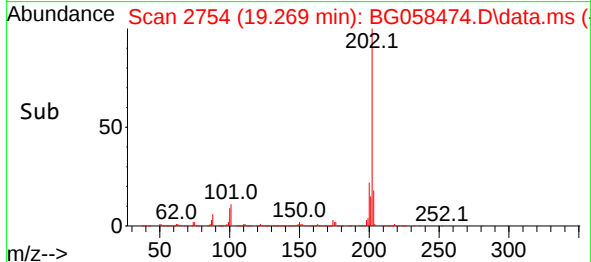
Instrument :
BNA_G
ClientSampleId :
A4734DL



Tgt Ion:202 Resp: 982694
Ion Ratio Lower Upper
202 100
101 11.2 8.8 13.2
100 8.7 7.5 11.3

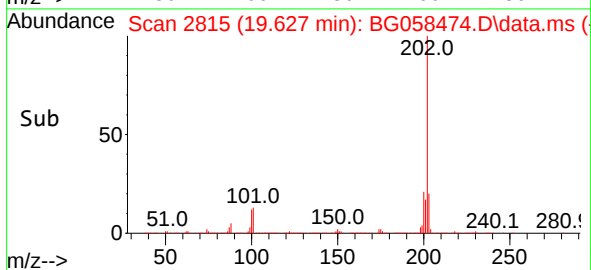
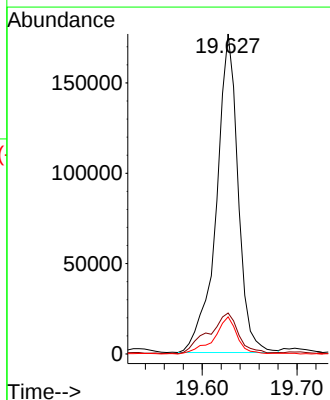
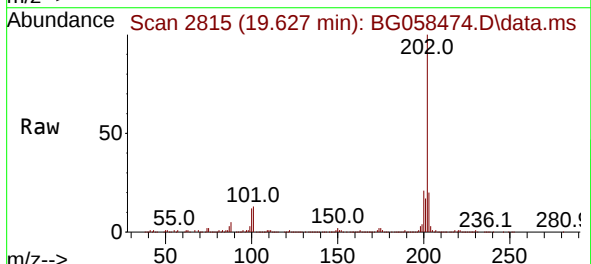
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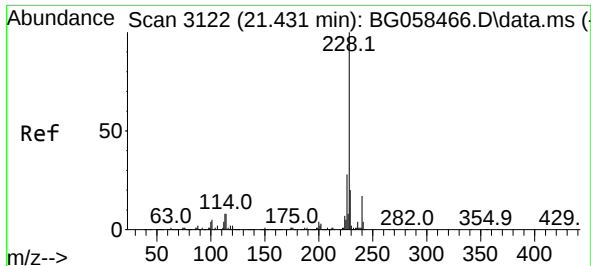
Reviewed By :Yogesh Patel 07/27/2023
Supervised By :mohammad ahmed 07/27/2023



#82
Pyrene
Concen: 14.356 ng/ul
RT: 19.627 min Scan# 2815
Delta R.T. 0.001 min
Lab File: BG058474.D
Acq: 26 Jul 2023 11:30

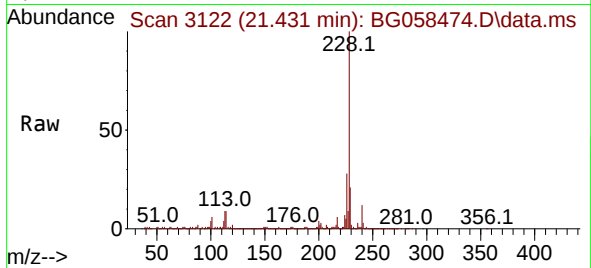
Tgt Ion:202 Resp: 281387
Ion Ratio Lower Upper
202 100
101 12.8 10.5 15.7
100 11.6 8.8 13.2





#85
Benzo(a)anthracene
Concen: 23.744 ng/ul
RT: 21.431 min Scan# 3122
Delta R.T. 0.001 min
Lab File: BG058474.D
Acq: 26 Jul 2023 11:30

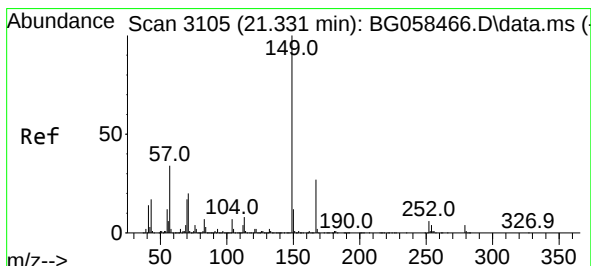
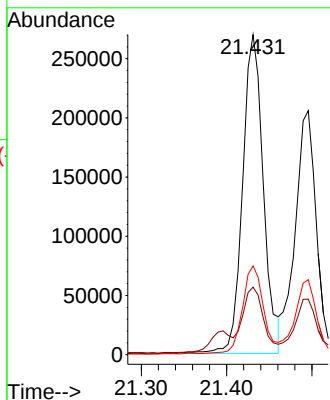
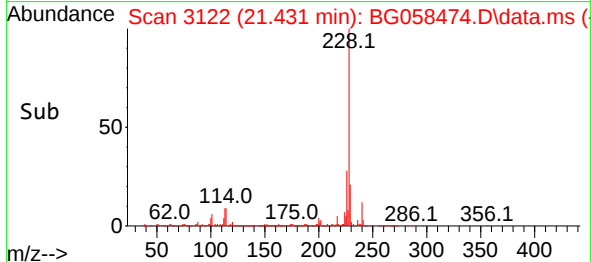
Instrument :
BNA_G
ClientSampleId :
A4734DL



Tgt Ion:228 Resp: 456280
Ion Ratio Lower Upper
228 100
229 21.1 16.1 24.1
226 27.7 22.0 33.0

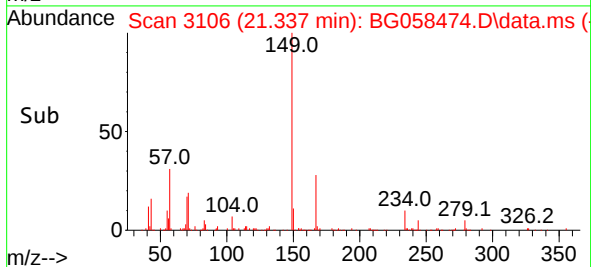
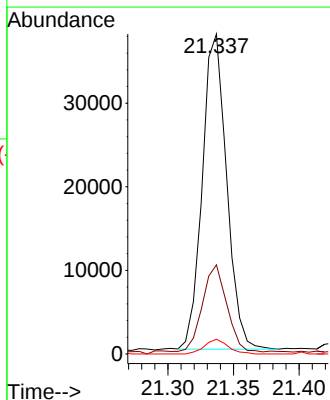
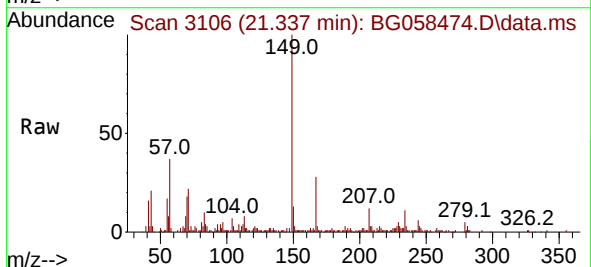
Manual Integrations
APPROVED

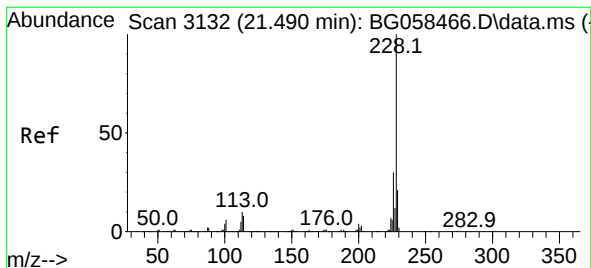
Reviewed By :Yogesh Patel 07/27/2023
Supervised By :mohammad ahmed 07/27/2023



#86
Bis(2-ethylhexyl)phthalate
Concen: 4.441 ng/ul
RT: 21.337 min Scan# 3106
Delta R.T. 0.001 min
Lab File: BG058474.D
Acq: 26 Jul 2023 11:30

Tgt Ion:149 Resp: 48750
Ion Ratio Lower Upper
149 100
167 27.8 21.7 32.5
279 4.6 3.3 4.9





#87

Chrysene

Concen: 19.212 ng/ul

RT: 21.496 min Scan# 3132

Delta R.T. 0.001 min

Lab File: BG058474.D

Acq: 26 Jul 2023 11:30

Instrument :

BNA_G

ClientSampleId :

A4734DL

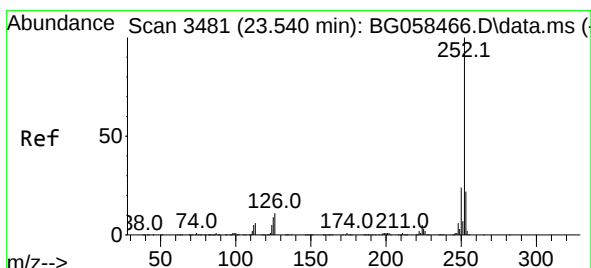
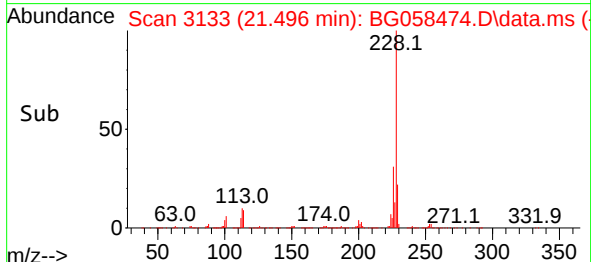
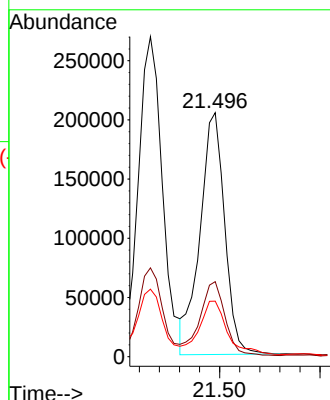
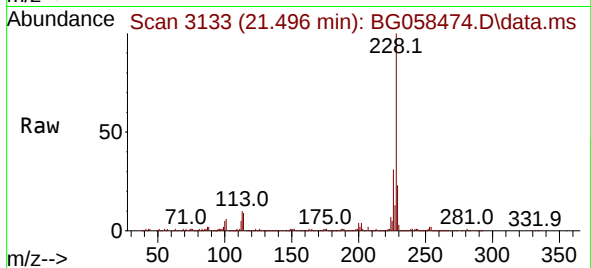
Tgt Ion:228 Resp: 350184
 Ion Ratio Lower Upper
 228 100
 226 30.8 24.3 36.5
 229 22.8 15.9 23.9

Manual Integrations

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Reviewed By :Yogesh Patel 07/27/2023

Supervised By :mohammad ahmed 07/27/2023



#90

Benzo(b)fluoranthene

Concen: 20.007 ng/ul

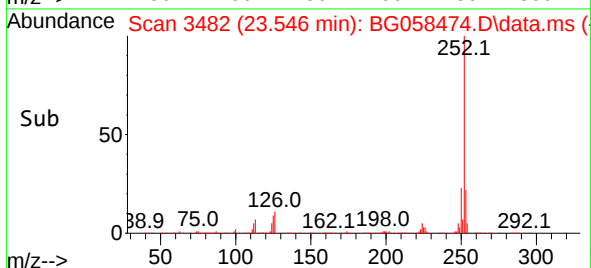
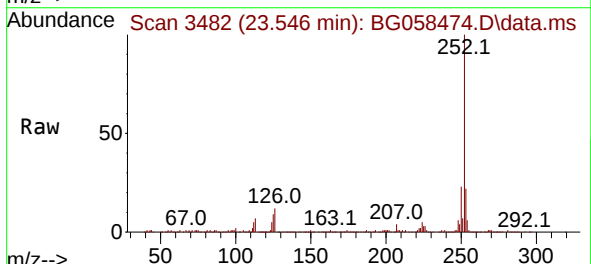
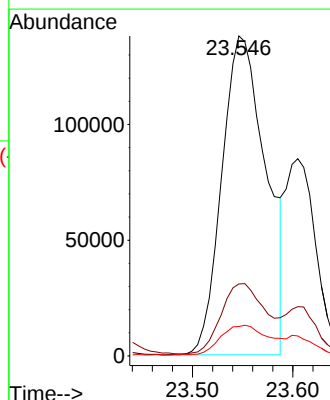
RT: 23.546 min Scan# 3482

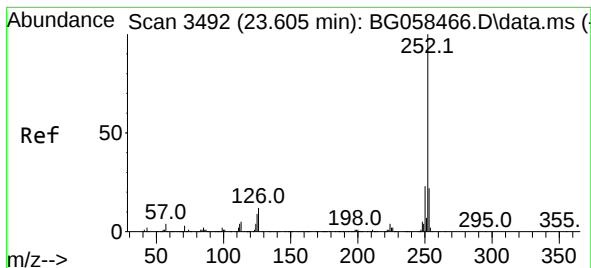
Delta R.T. 0.001 min

Lab File: BG058474.D

Acq: 26 Jul 2023 11:30

Tgt Ion:252 Resp: 421022
 Ion Ratio Lower Upper
 252 100
 253 22.5 18.6 27.8
 125 9.2 7.0 10.4





#91

Benzo(k)fluoranthene

Concen: 8.539 ng/ul m

RT: 23.605 min Scan# 3492

Delta R.T. 0.001 min

Lab File: BG058474.D

Acq: 26 Jul 2023 11:30

Instrument :

BNA_G

ClientSampleId :

A4734DL

Tgt Ion:252 Resp: 179220

Ion Ratio Lower Upper

252 100

253 25.0 17.1 25.7

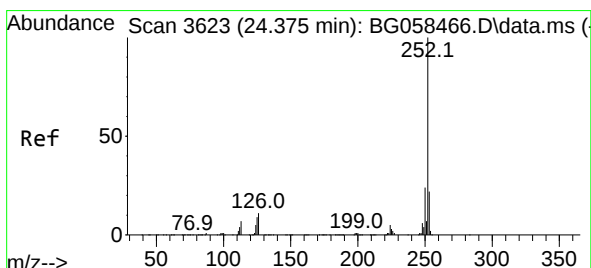
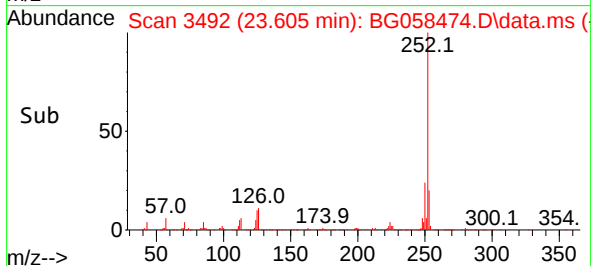
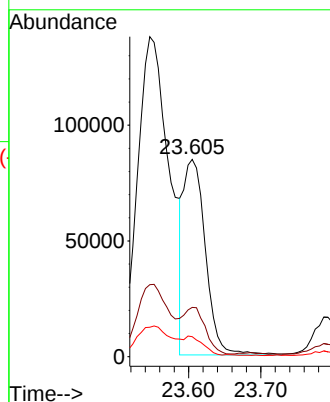
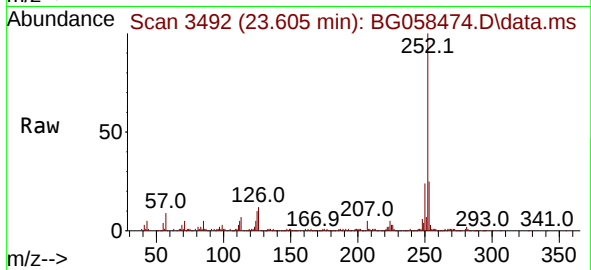
125 10.2 6.6 10.0

Manual Integrations

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Reviewed By :Yogesh Patel 07/27/2023

Supervised By :mohammad ahmed 07/27/2023



#93

Benzo(a)pyrene

Concen: 2.549 ng/ul

RT: 24.375 min Scan# 3623

Delta R.T. 0.001 min

Lab File: BG058474.D

Acq: 26 Jul 2023 11:30

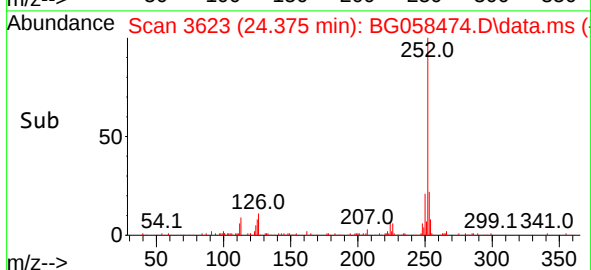
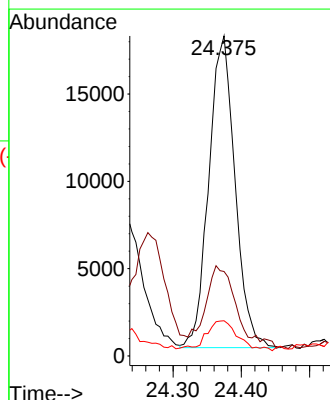
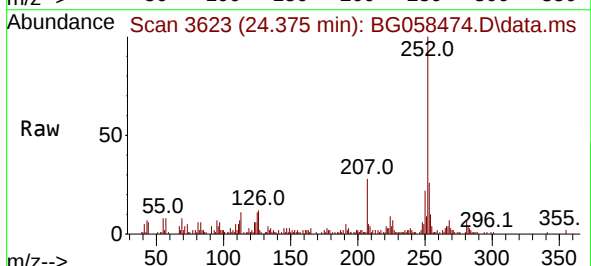
Tgt Ion:252 Resp: 47713

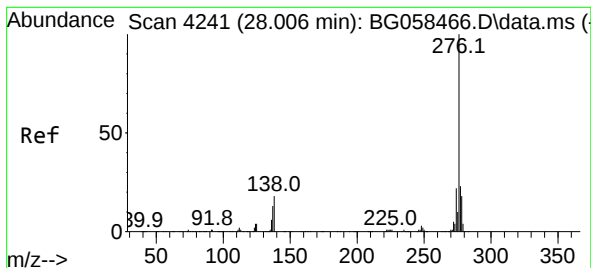
Ion Ratio Lower Upper

252 100

253 26.4 17.5 26.3

125 11.0 7.9 11.9





#94

Indeno(1,2,3-cd)pyrene

Concen: 2.692 ng/ul m

RT: 28.000 min Scan# 4241

Delta R.T. -0.005 min

Lab File: BG058474.D

Acq: 26 Jul 2023 11:30

Instrument :

BNA_G

ClientSampleId :

A4734DL

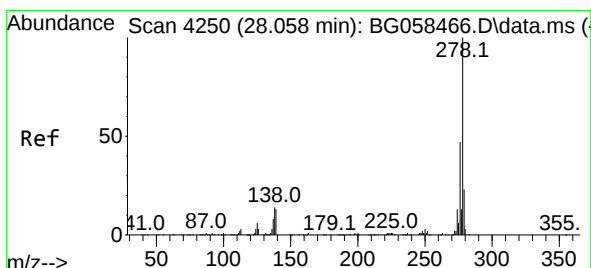
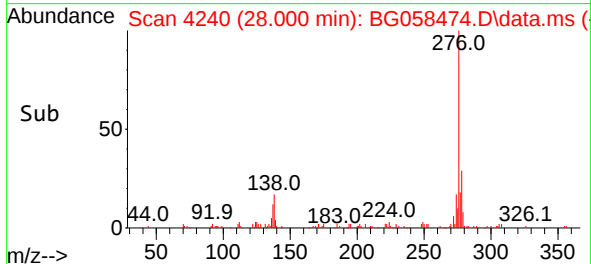
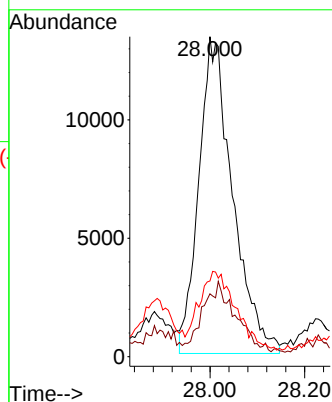
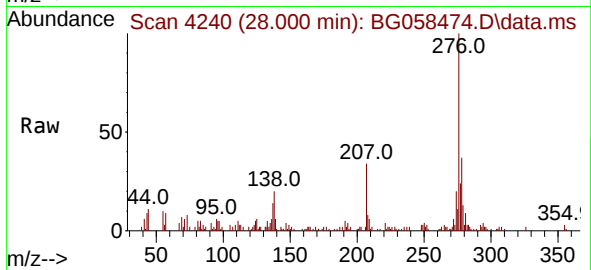
Tgt Ion:276 Resp: 66390
 Ion Ratio Lower Upper
 276 100
 138 19.7 13.4 20.0
 277 23.6 20.7 31.1

Manual Integrations

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Reviewed By :Yogesh Patel 07/27/2023

Supervised By :mohammad ahmed 07/27/2023



#95

Dibenzo(a,h)anthracene

Concen: 2.787 ng/ul m

RT: 28.053 min Scan# 4249

Delta R.T. -0.011 min

Lab File: BG058474.D

Acq: 26 Jul 2023 11:30

Tgt Ion:278 Resp: 56361
 Ion Ratio Lower Upper
 278 100
 139 12.2 10.5 15.7
 279 24.7 19.0 28.6

