

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG050123\
 Data File : BG057252.D
 Acq On : 1 May 2023 15:25
 Operator : CG/JU
 Sample : 02418-02
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 EW8Y8

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 05/02/2023
 Supervised By : Jagrut Upadhyay 05/02/2023

Quant Time: May 01 23:15:59 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG042823.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Mon May 01 12:45:38 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.378	152	16091	20.000	ng/u1	0.00
20) Naphthalene-d8	11.215	136	67122	20.000	ng/u1	0.00
38) Acenaphthene-d10	14.992	164	50477	20.000	ng/u1	0.00
64) Phenanthrene-d10	17.730	188	114882	20.000	ng/u1	0.00
79) Chrysene-d12	22.047	240	97504	20.000	ng/u1	0.00
88) Perylene-d12	25.572	264	106811	20.000	ng/u1	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.661	96	967	2.645	ng/uL	0.00
4) Pyridine-d5	4.107	84	6129m	5.317	ng/u1	0.00
7) Phenol-d5	7.514	99	29387	19.311	ng/u1	0.00
9) Bis-(2-Chloroethyl)eth...	7.685	67	17367	19.404	ng/u1	0.00
11) 2-Chlorophenol-d4	7.908	132	21320	21.260	ng/u1	0.00
15) 4-Methylphenol-d8	9.077	113	18263	15.791	ng/u1	0.00
21) Nitrobenzene-d5	9.553	128	11863	22.193	ng/u1	0.00
24) 2-Nitrophenol-d4	10.287	143	12975	20.799	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	10.833	165	26533	22.046	ng/u1	0.00
31) 4-Chloroaniline-d4	11.344	131	14693	9.211	ng/u1	0.00
46) Dimethylphthalate-d6	14.376	166	91820	22.957	ng/u1	0.00
49) Acenaphthylene-d8	14.693	160	103275	22.974	ng/u1	0.00
54) 4-Nitrophenol-d4	15.180	143	8223	14.124	ng/u1	0.00
60) Fluorene-d10	15.979	176	83441	22.394	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	16.097	200	9707	14.261	ng/u1	0.00
73) Anthracene-d10	17.830	188	127738	24.360	ng/u1	0.00
81) Pyrene-d10	20.097	212	146534	25.319	ng/u1	0.00
92) Benzo(a)pyrene-d12	25.331	264	135218	24.848	ng/u1	0.00
Target Compounds						
					Qvalue	
16) Acetophenone	9.212	105	7212	3.624	ng/u1	94
30) Naphthalene	11.268	128	5286	1.434	ng/u1#	92
52) Acenaphthene	15.057	153	12023	3.694	ng/u1	96
56) Dibenzofuran	15.386	168	8913	1.896	ng/u1	97
61) Fluorene	16.032	166	13858	3.487	ng/u1	95
72) Phenanthrene	17.777	178	289214	48.343	ng/u1	99
74) Anthracene	17.865	178	64996	10.816	ng/u1	99
77) Carbazole	18.129	167	20623	4.106	ng/u1	100
78) Di-n-butylphthalate	18.646	149	7041	1.226	ng/u1#	78
80) Fluoranthene	19.768	202	708346	103.033	ng/u1#	96
82) Pyrene	20.132	202	626655	90.040	ng/u1	98
85) Benzo(a)anthracene	22.030	228	375769	54.491	ng/u1	98
86) Bis(2-ethylhexyl)phtha...	21.871	149	40348	12.447	ng/u1	95
87) Chrysene	22.100	228	362386	55.699	ng/u1	97
90) Benzo(b)fluoranthene	24.450	252	474326	64.128	ng/u1	97
91) Benzo(k)fluoranthene	24.509	252	181902m	25.278	ng/u1	
93) Benzo(a)pyrene	25.408	252	358648m	56.165	ng/u1	
94) Indeno(1,2,3-cd)pyrene	29.643	276	246588	30.892	ng/u1	98
95) Dibenzo(a,h)anthracene	29.672	278	70425m	10.640	ng/u1	
96) Benzo(g,h,i)perylene	30.930	276	210946m	32.653	ng/u1	

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

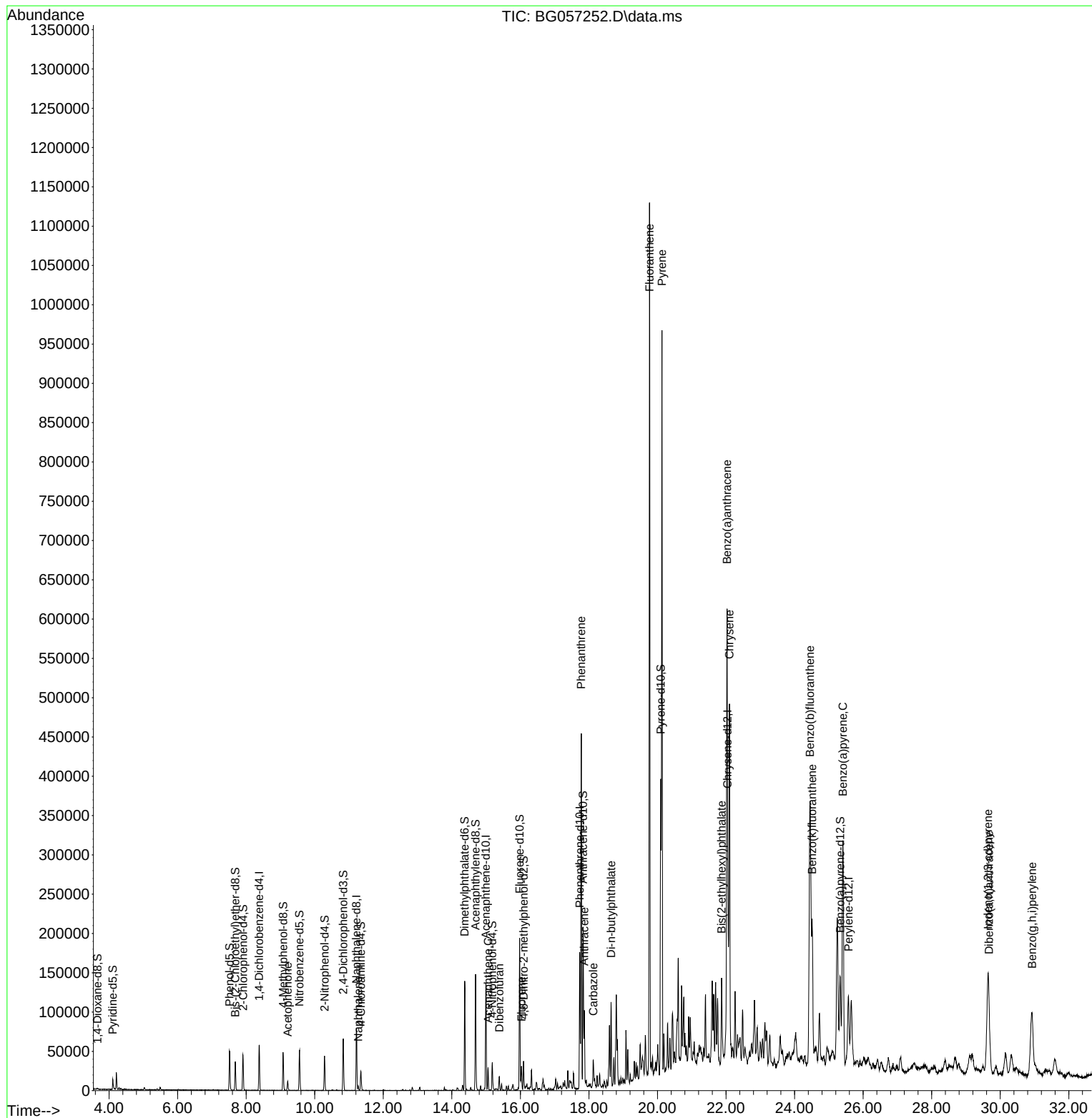
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG050123\
Data File : BG057252.D
Acq On : 1 May 2023 15:25
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ALS Vial : 9 Sample Multiplier: 1

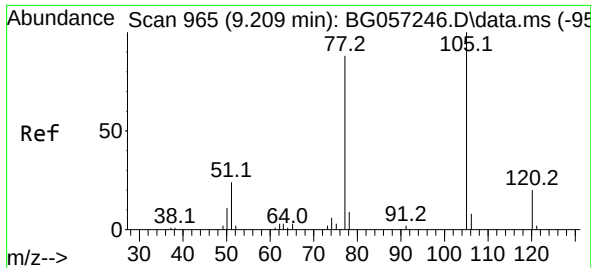
Instrument :
BNA_G
ClientSampleId :
EW8Y8

Manual Integrations
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Quant Time: May 01 23:15:59 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG042823.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Mon May 01 12:45:38 2023
Response via : Initial Calibration





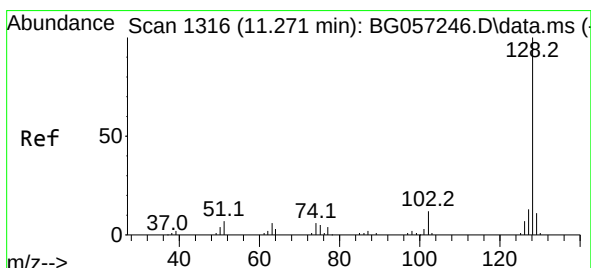
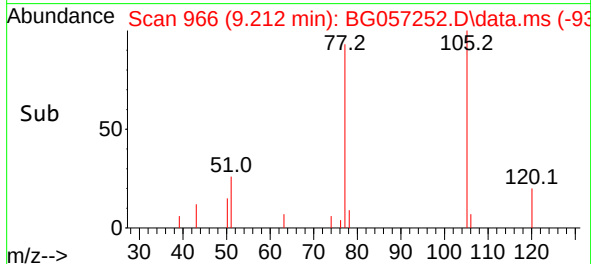
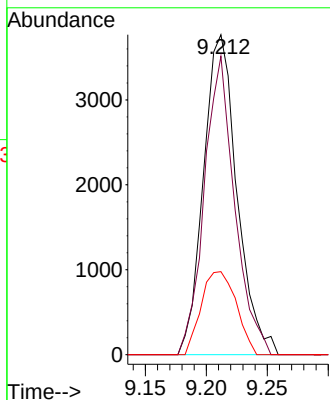
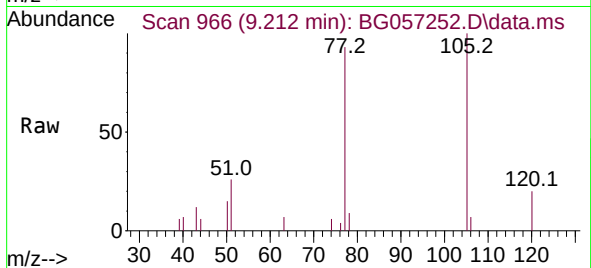
#16
Acetophenone
Concen: 3.624 ng/ul
RT: 9.212 min Scan# 90
Delta R.T. 0.002 min
Lab File: BG057252.D
Acq: 1 May 2023 15:25

Instrument :
BNA_G
ClientSampleId :
EW8Y8

Tgt Ion:105 Resp: 721
Ion Ratio Lower Upper
105 100
77 93.3 70.6 105.8
51 26.0 24.5 36.7

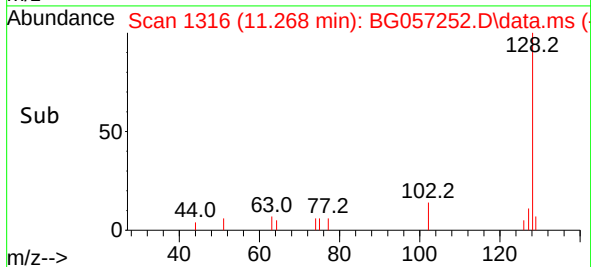
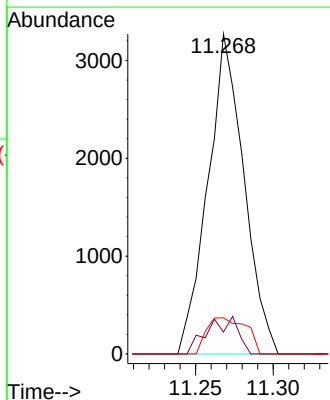
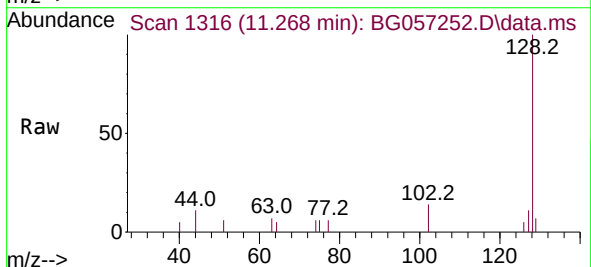
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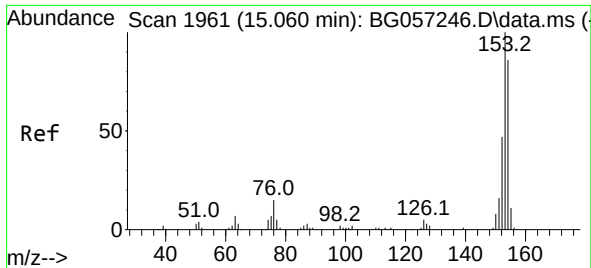
Reviewed By :Christian Giraldo 05/02/2023
Supervised By :Jagrut Upadhyay 05/02/2023



#30
Naphthalene
Concen: 1.434 ng/ul
RT: 11.268 min Scan# 1316
Delta R.T. -0.003 min
Lab File: BG057252.D
Acq: 1 May 2023 15:25

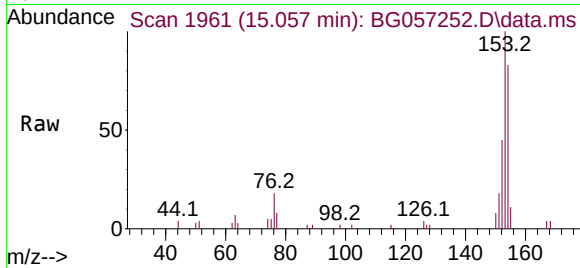
Tgt Ion:128 Resp: 5286
Ion Ratio Lower Upper
128 100
129 6.8 8.5 12.7#
127 11.3 11.4 17.0#





#52
Acenaphthene
Concen: 3.694 ng/u1
RT: 15.057 min Scan# 1961
Delta R.T. -0.003 min
Lab File: BG057252.D
Acq: 1 May 2023 15:25

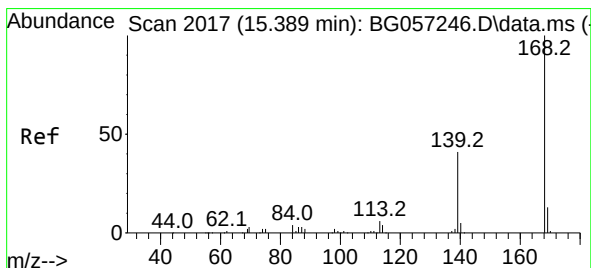
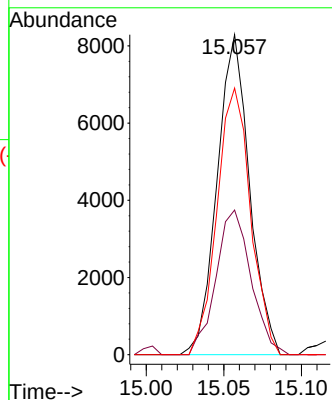
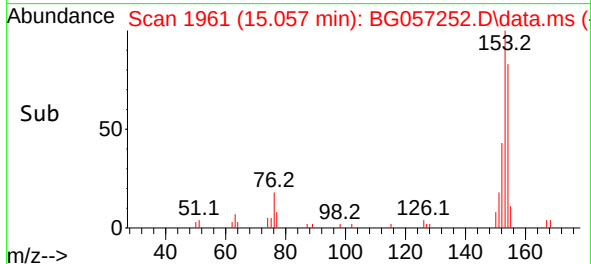
Instrument :
BNA_G
ClientSampleId :
EW8Y8



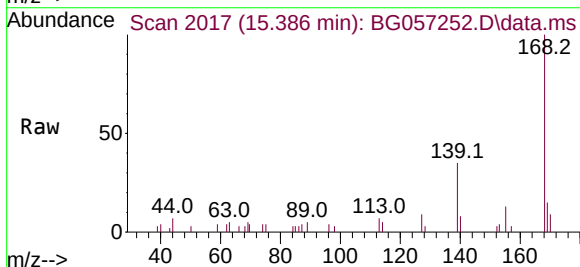
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Ion Ratio Lower Upper
153 100
152 45.2 36.5 54.7
154 83.3 70.6 106.0

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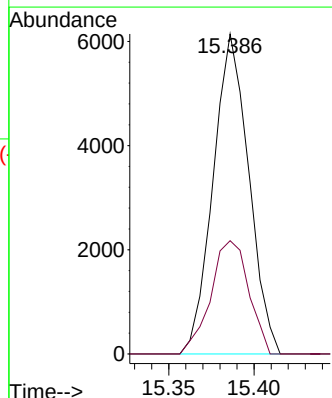
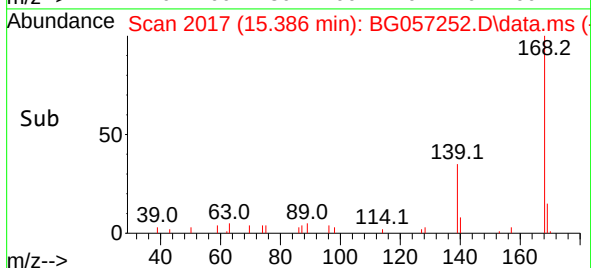
Reviewed By :Christian Giraldo 05/02/2023
Supervised By :Jagrut Upadhyay 05/02/2023

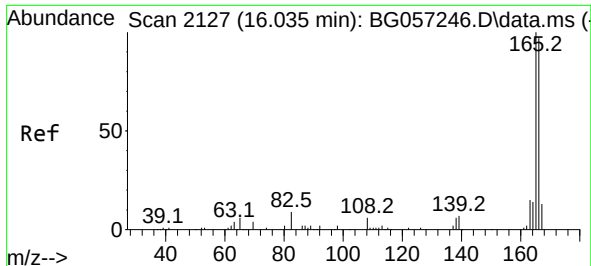


#56
Dibenzofuran
Concen: 1.896 ng/u1
RT: 15.386 min Scan# 2017
Delta R.T. -0.003 min
Lab File: BG057252.D
Acq: 1 May 2023 15:25



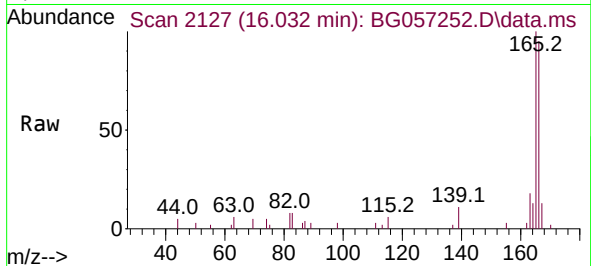
Tgt Ion:168 Resp: 8913
Ion Ratio Lower Upper
168 100
139 35.4 29.6 44.4





#61
Fluorene
Concen: 3.487 ng/ul
RT: 16.032 min Scan# 2127
Delta R.T. -0.003 min
Lab File: BG057252.D
Acq: 1 May 2023 15:25

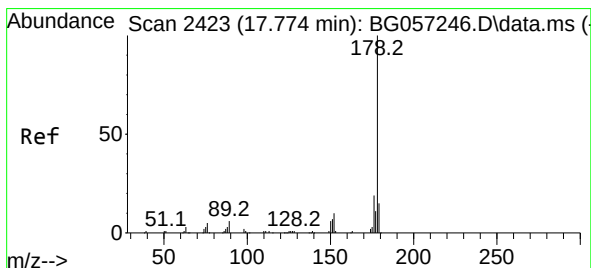
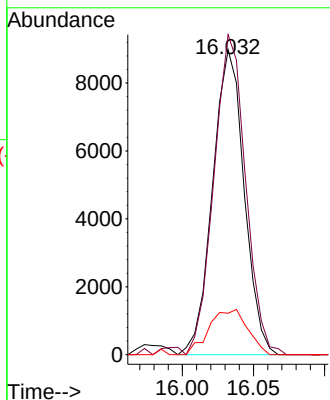
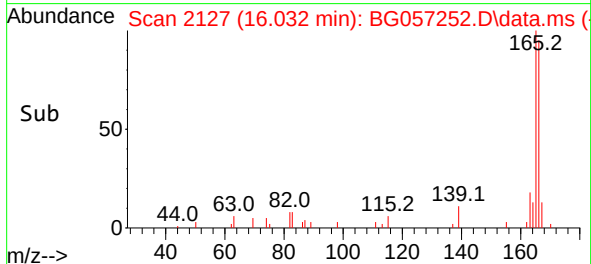
Instrument :
BNA_G
ClientSampleId :
EW8Y8



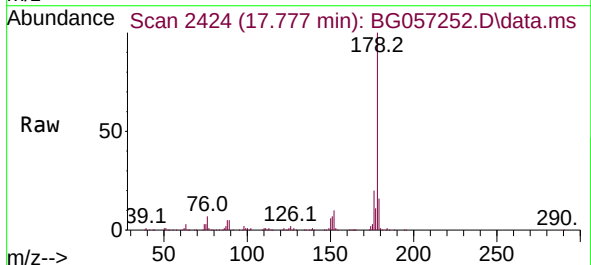
Tgt Ion:166 Resp: 1385
Ion Ratio Lower Upper
166 100
165 105.0 80.1 120.1
167 13.6 10.2 15.4

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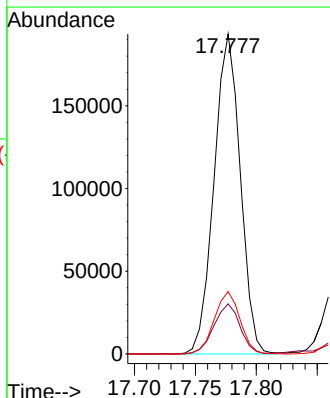
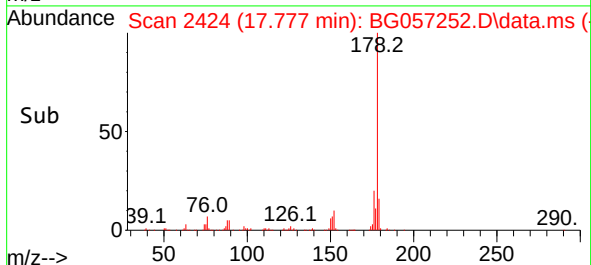
Reviewed By :Christian Giraldo 05/02/2023
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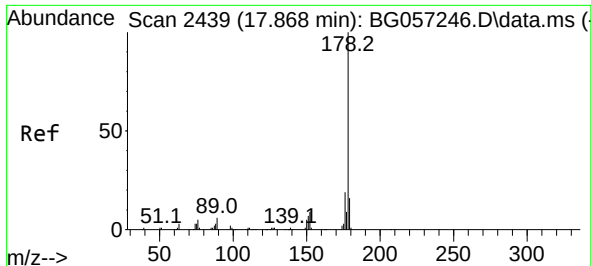


#72
Phenanthrene
Concen: 48.343 ng/ul
RT: 17.777 min Scan# 2424
Delta R.T. 0.002 min
Lab File: BG057252.D
Acq: 1 May 2023 15:25



Tgt Ion:178 Resp: 289214
Ion Ratio Lower Upper
178 100
179 15.6 11.8 17.8
176 19.5 15.4 23.0





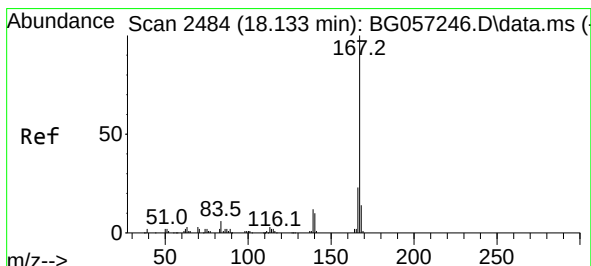
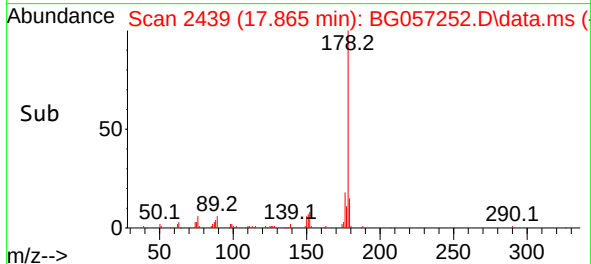
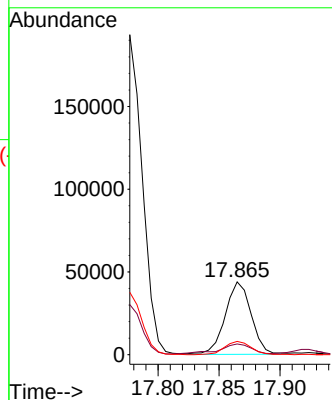
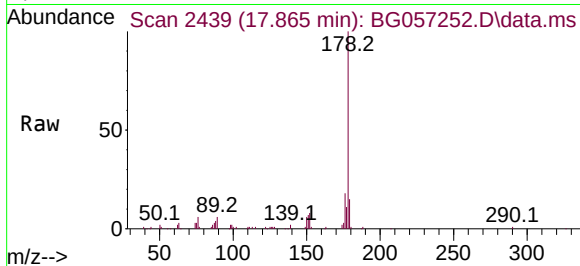
#74
 Anthracene
 Concen: 10.816 ng/ul
 RT: 17.865 min Scan# 2439
 Delta R.T. -0.003 min
 Lab File: BG057252.D
 Acq: 1 May 2023 15:25

Instrument :
 BNA_G
 ClientSampleId :
 EW8Y8

Tgt Ion:178 Resp: 64990
 Ion Ratio Lower Upper
 178 100
 179 14.8 12.5 18.7
 176 18.3 14.7 22.1

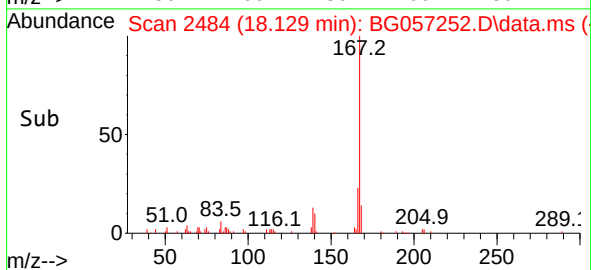
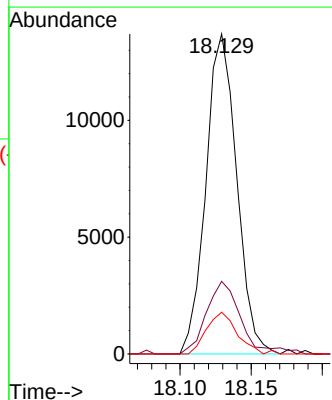
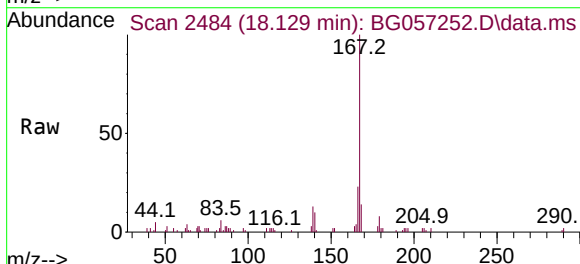
Manual Integrations
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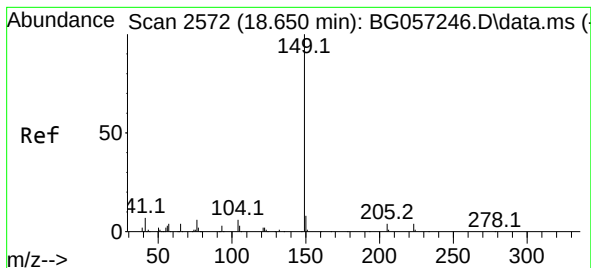
Reviewed By :Christian Giraldo 05/02/2023
 Supervised By :Jagrut Upadhyay 05/02/2023



#77
 Carbazole
 Concen: 4.106 ng/ul
 RT: 18.129 min Scan# 2484
 Delta R.T. -0.003 min
 Lab File: BG057252.D
 Acq: 1 May 2023 15:25

Tgt Ion:167 Resp: 20623
 Ion Ratio Lower Upper
 167 100
 166 22.7 18.0 27.0
 139 13.0 10.3 15.5





#78

Di-n-butylphthalate

Concen: 1.226 ng/ul

RT: 18.646 min Scan# 2572

Delta R.T. -0.003 min

Lab File: BG057252.D

Acq: 1 May 2023 15:25

Instrument :

BNA_G

ClientSampleId :

EW8Y8

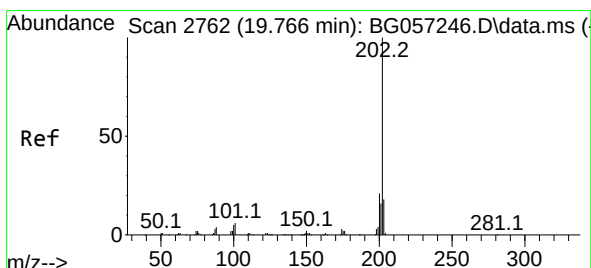
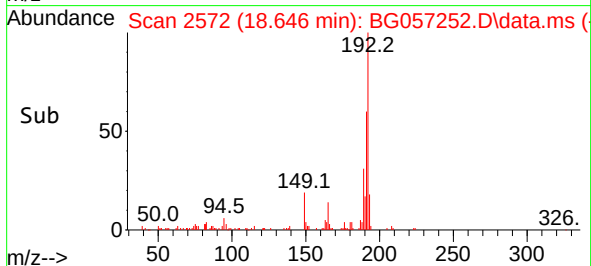
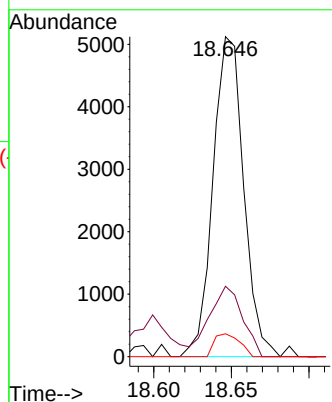
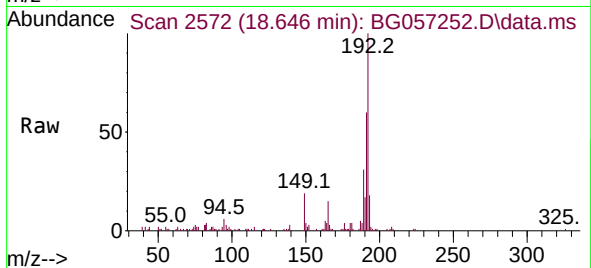
Tgt Ion:	149	Resp:	704
Ion Ratio	Lower	Upper	
149	100		
150	22.0	7.3	10.9
104	7.2	5.0	7.6

Manual Integrations

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#80

Fluoranthene

Concen: 103.033 ng/ul

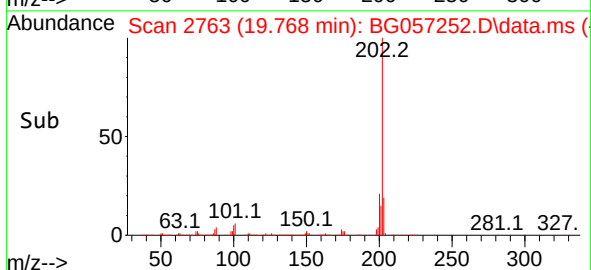
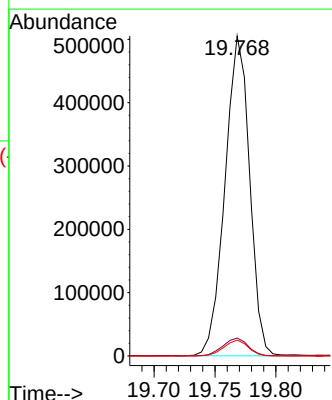
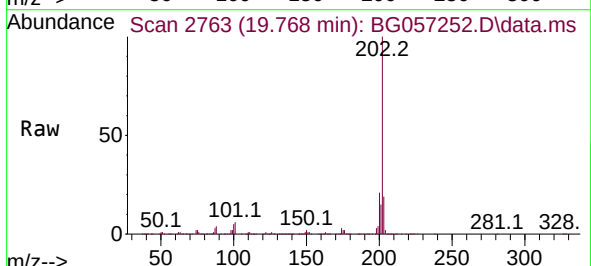
RT: 19.768 min Scan# 2763

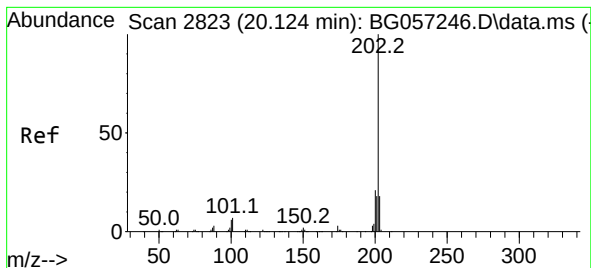
Delta R.T. 0.002 min

Lab File: BG057252.D

Acq: 1 May 2023 15:25

Tgt Ion:	202	Resp:	708346
Ion Ratio	Lower	Upper	
202	100		
101	5.6	5.8	8.6
100	4.9	4.6	7.0





#82

Pyrene

Concen: 90.040 ng/u1

RT: 20.132 min Scan# 21

Delta R.T. 0.008 min

Lab File: BG057252.D

Acq: 1 May 2023 15:25

Instrument :

BNA_G

ClientSampleId :

EW8Y8

Tgt Ion:202 Resp: 62665

Ion Ratio Lower Upper

202 100

101 6.8 5.7 8.5

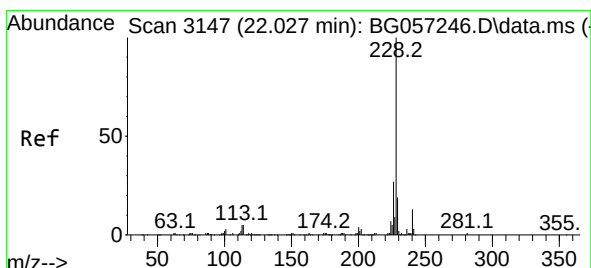
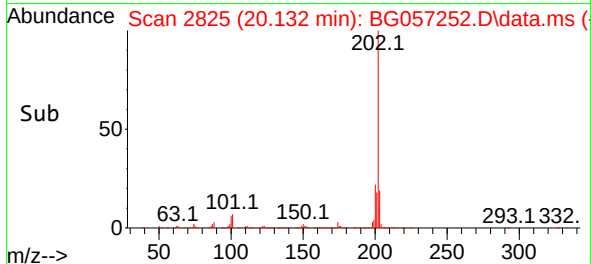
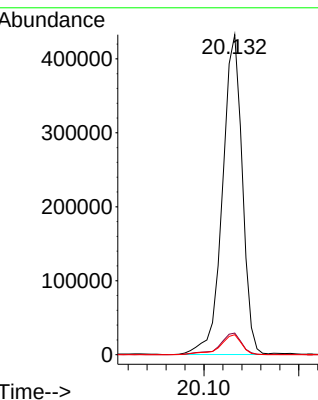
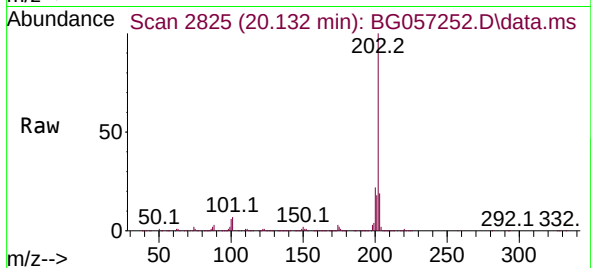
100 6.2 6.0 9.0

Manual Integrations

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Supervised By :Jagrut Upadhyay 05/02/2023



#85

Benzo(a)anthracene

Concen: 54.491 ng/u1

RT: 22.030 min Scan# 3148

Delta R.T. 0.002 min

Lab File: BG057252.D

Acq: 1 May 2023 15:25

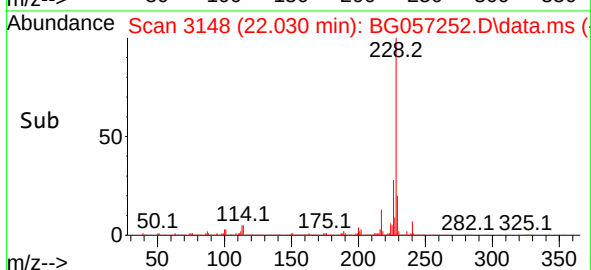
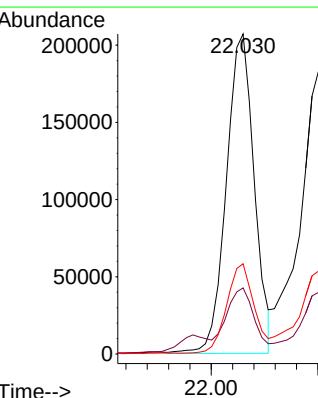
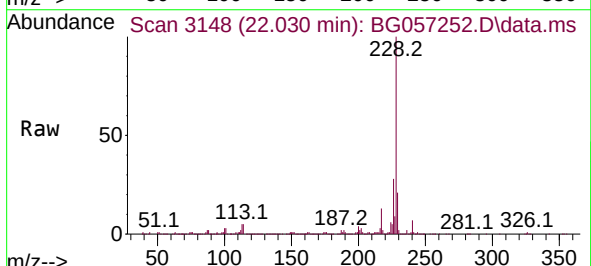
Tgt Ion:228 Resp: 375769

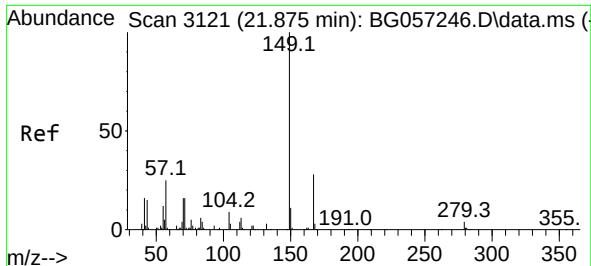
Ion Ratio Lower Upper

228 100

229 20.6 15.8 23.6

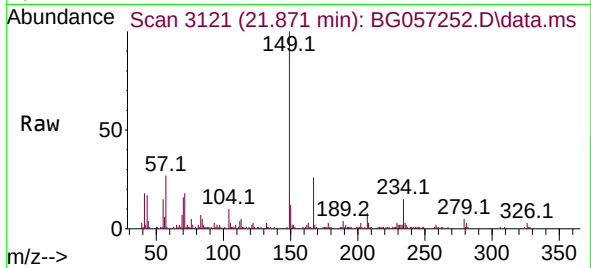
226 28.2 21.7 32.5





#86
Bis(2-ethylhexyl)phthalate
Concen: 12.447 ng/ul
RT: 21.871 min Scan# 3121
Delta R.T. -0.003 min
Lab File: BG057252.D
Acq: 1 May 2023 15:25

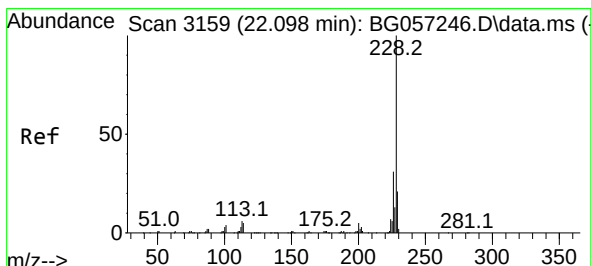
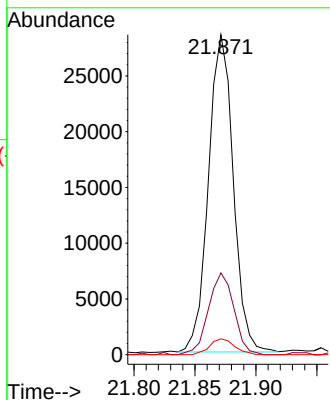
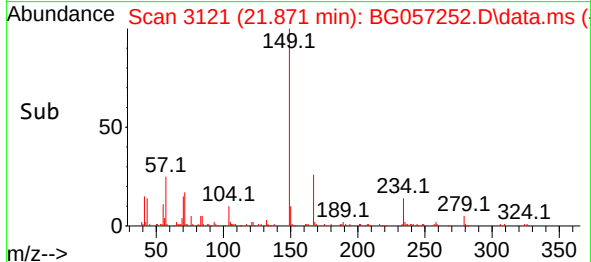
Instrument :
BNA_G
ClientSampleId :
EW8Y8



Tgt Ion:149 Resp: 40348
Ion Ratio Lower Upper
149 100
167 25.5 23.0 34.6
279 5.0 3.6 5.4

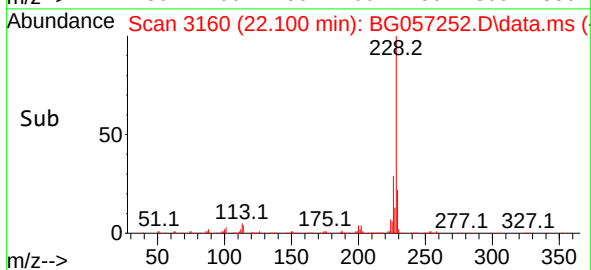
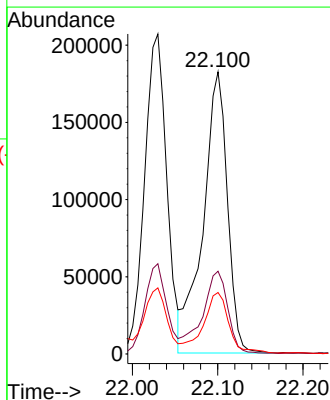
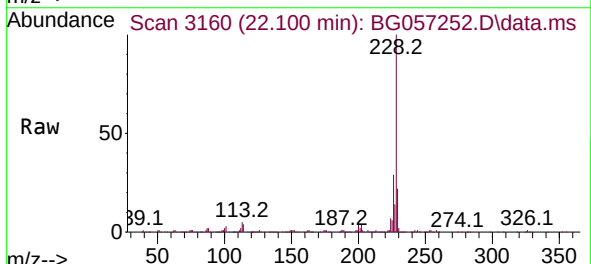
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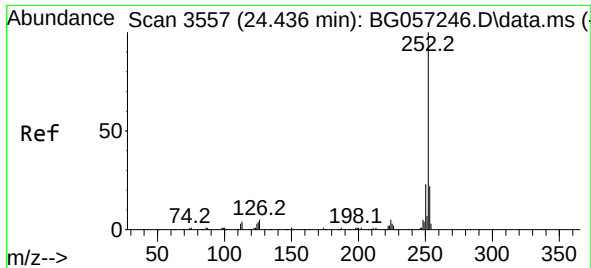
Reviewed By :Christian Giraldo 05/02/2023
Supervised By :Jagrut Upadhyay 05/02/2023



#87
Chrysene
Concen: 55.699 ng/ul
RT: 22.100 min Scan# 3160
Delta R.T. 0.002 min
Lab File: BG057252.D
Acq: 1 May 2023 15:25

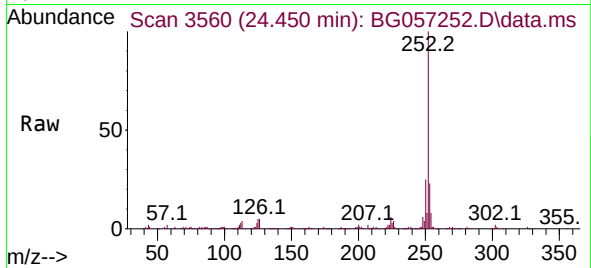
Tgt Ion:228 Resp: 362386
Ion Ratio Lower Upper
228 100
226 29.3 22.8 34.2
229 21.8 15.5 23.3





#90
Benzo(b)fluoranthene
Concen: 64.128 ng/ul
RT: 24.450 min Scan# 3557
Delta R.T. 0.014 min
Lab File: BG057252.D
Acq: 1 May 2023 15:25

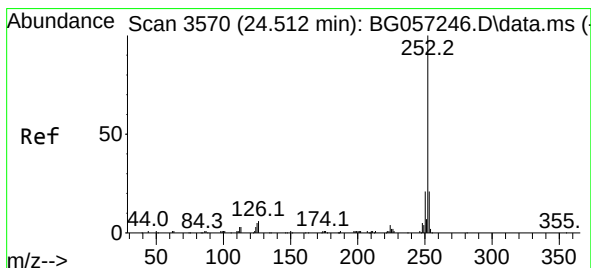
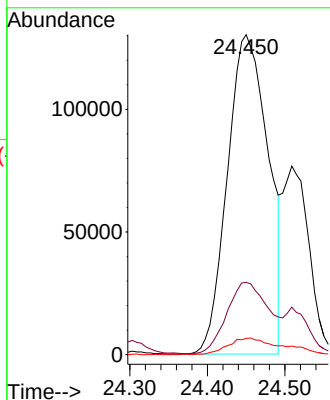
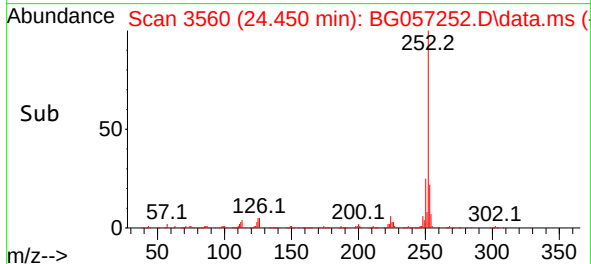
Instrument :
BNA_G
ClientSampleId :
EW8Y8



Tgt Ion:252 Resp: 474320
Ion Ratio Lower Upper
252 100
253 22.6 16.7 25.1
125 5.1 4.8 7.2

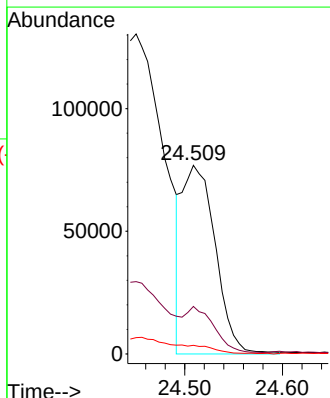
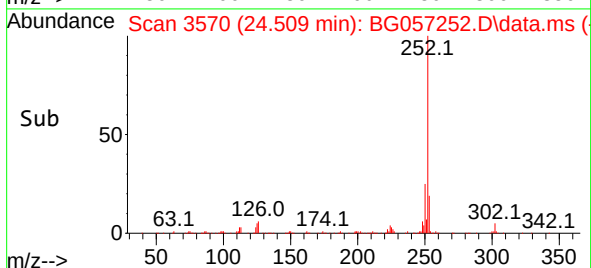
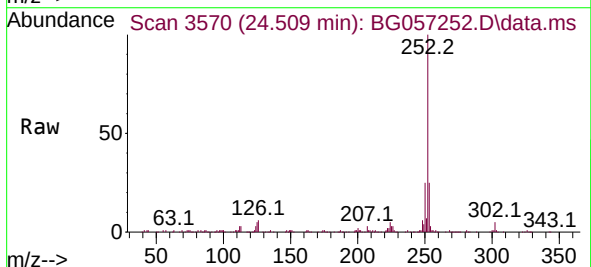
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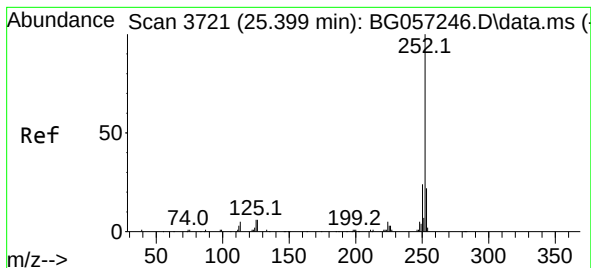
Reviewed By :Christian Giraldo 05/02/2023
Supervised By :Jagrut Upadhyay 05/02/2023



#91
Benzo(k)fluoranthene
Concen: 25.278 ng/ul m
RT: 24.509 min Scan# 3570
Delta R.T. -0.003 min
Lab File: BG057252.D
Acq: 1 May 2023 15:25

Tgt Ion:252 Resp: 181902
Ion Ratio Lower Upper
252 100
253 25.2 17.7 26.5
125 4.6 4.5 6.7





#93

Benzo(a)pyrene

Concen: 56.165 ng/ul m

RT: 25.408 min Scan# 3

Delta R.T. 0.008 min

Lab File: BG057252.D

Acq: 1 May 2023 15:25

Instrument :

BNA_G

ClientSampleId :

EW8Y8

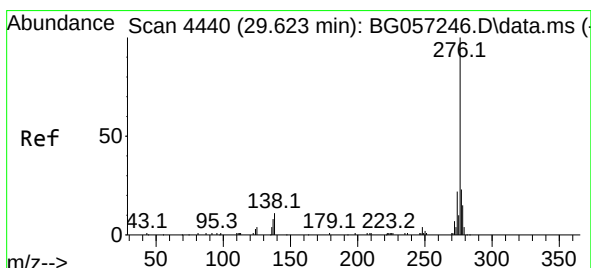
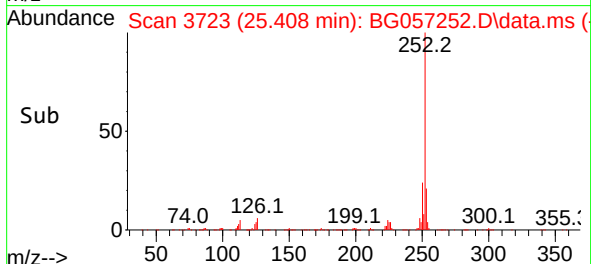
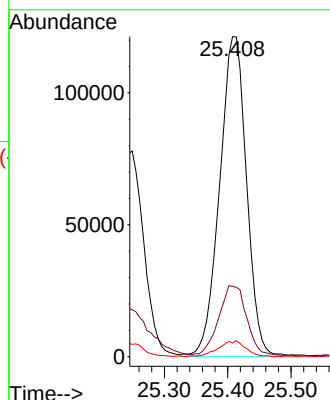
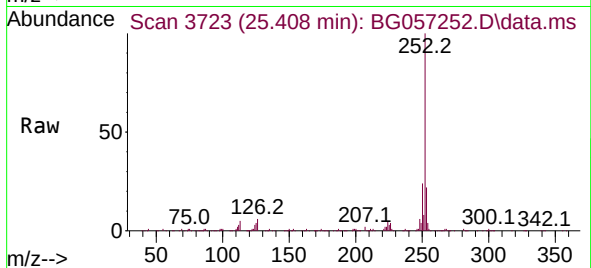
Tgt Ion:252 Resp: 35864

Ion	Ratio	Lower	Upper
252	100		
253	22.0	17.2	25.8
125	4.3	5.1	7.7

Manual Integrations

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Reviewed By :Christian Giraldo 05/02/2023
Supervised By :Jagrut Upadhyay 05/02/2023



#94

Indeno(1,2,3-cd)pyrene

Concen: 30.892 ng/ul

RT: 29.643 min Scan# 4444

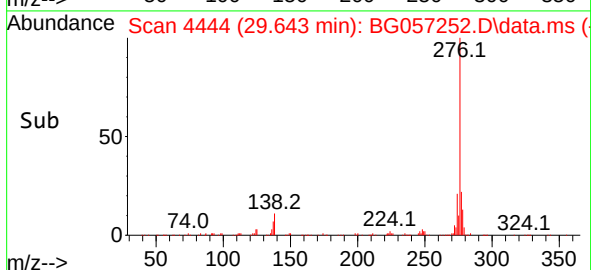
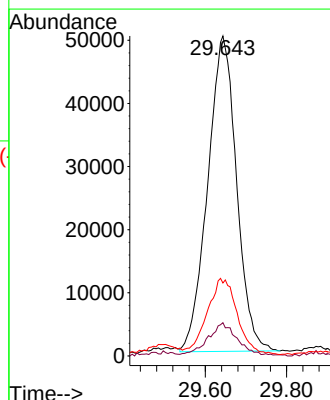
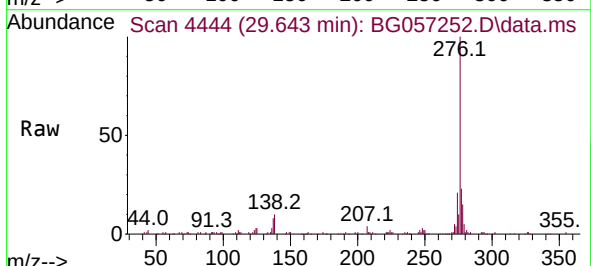
Delta R.T. 0.020 min

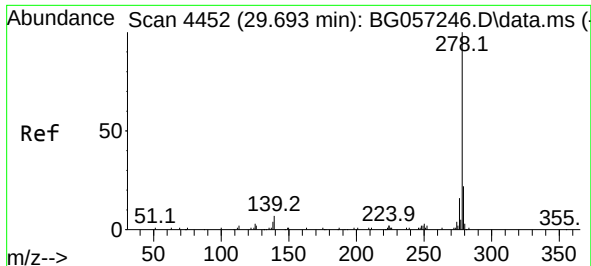
Lab File: BG057252.D

Acq: 1 May 2023 15:25

Tgt Ion:276 Resp: 246588

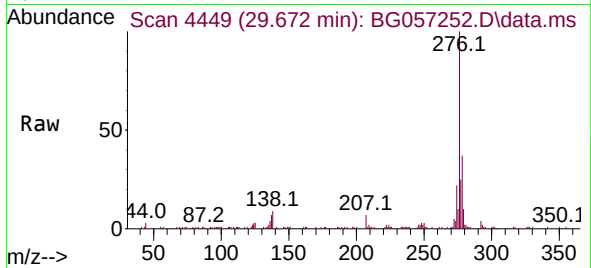
Ion	Ratio	Lower	Upper
276	100		
138	10.4	9.4	14.2
277	22.8	18.6	28.0





#95
Dibenzo(a,h)anthracene
Concen: 10.640 ng/ul m
RT: 29.672 min Scan# 4452
Delta R.T. -0.021 min
Lab File: BG057252.D
Acq: 1 May 2023 15:25

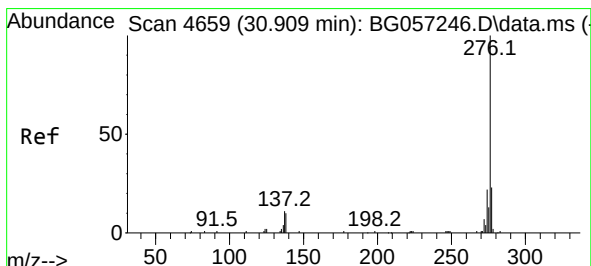
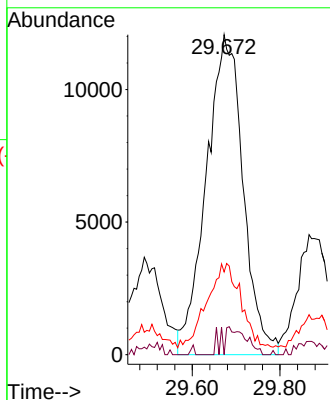
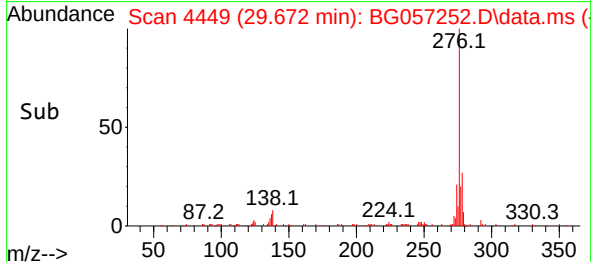
Instrument :
BNA_G
ClientSampleId :
EW8Y8



Tgt Ion:278 Resp: 70425
Ion Ratio Lower Upper
278 100
139 0.0 5.8 8.6
279 25.9 18.3 27.5

Manual Integrations
APPROVED

Reviewed By :Christian Giraldo 05/02/2023
Supervised By :Jagrut Upadhyay 05/02/2023



#96
Benzo(g,h,i)perylene
Concen: 32.653 ng/ul m
RT: 30.930 min Scan# 4663
Delta R.T. 0.020 min
Lab File: BG057252.D
Acq: 1 May 2023 15:25

Tgt Ion:276 Resp: 210946
Ion Ratio Lower Upper
276 100
138 8.6 8.7 13.1#
277 24.2 18.4 27.6

