

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG050523\
 Data File : BG057318.D
 Acq On : 5 May 2023 14:58
 Operator : CG/JU
 Sample : 02479-05DL 30X
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 EW946DL

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 05/08/2023
 Supervised By : Jagrut Upadhyay 05/08/2023

Quant Time: May 06 00:47:26 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG042823.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Fri May 05 11:20:08 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.374	152	19153	20.000	ng/u1	0.00
20) Naphthalene-d8	11.212	136	87925	20.000	ng/u1	0.00
38) Acenaphthene-d10	14.989	164	68565	20.000	ng/u1	0.00
64) Phenanthrene-d10	17.726	188	151949	20.000	ng/u1	0.00
79) Chrysene-d12	22.044	240	128009	20.000	ng/u1	# 0.00
88) Perylene-d12	25.563	264	135554	20.000	ng/u1	0.01
System Monitoring Compounds						
3) 1,4-Dioxane-d8	0.000	96	0	0.000	ng/uL	
4) Pyridine-d5	0.000	84	0d	0.000	ng/u1	
7) Phenol-d5	7.522	99	444	0.245	ng/u1	0.01
9) Bis-(2-Chloroethyl)eth...	7.681	67	257	0.241	ng/u1	0.00
11) 2-Chlorophenol-d4	7.898	132	329	0.276	ng/u1	0.00
15) 4-Methylphenol-d8	0.000	113	0d	0.000	ng/u1	
21) Nitrobenzene-d5	0.000	128	0d	0.000	ng/u1	
24) 2-Nitrophenol-d4	0.000	143	0	0.000	ng/u1	
28) 2,4-Dichlorophenol-d3	10.841	165	548m	0.348	ng/u1	0.02
31) 4-Chloroaniline-d4	0.000	131	0	0.000	ng/u1	
46) Dimethylphthalate-d6	14.366	166	2368	0.436	ng/u1	0.00
49) Acenaphthylene-d8	14.689	160	2615	0.428	ng/u1	0.00
54) 4-Nitrophenol-d4	0.000	143	0	0.000	ng/u1	
60) Fluorene-d10	15.976	176	2292	0.453	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	0.000	200	0	0.000	ng/u1	
73) Anthracene-d10	17.826	188	3449	0.497	ng/u1	0.00
81) Pyrene-d10	20.099	212	3887	0.512	ng/u1	0.01
92) Benzo(a)pyrene-d12	25.316	264	4181m	0.605	ng/u1	0.00
Target Compounds						
						Qvalue
30) Naphthalene	11.264	128	7381	1.529	ng/u1	97
36) 2-Methylnaphthalene	12.839	142	3898	1.101	ng/u1	99
50) Acenaphthylene	14.719	152	6674m	1.076	ng/u1	
52) Acenaphthene	15.053	153	15574	3.523	ng/u1	93
56) Dibenzofuran	15.382	168	17497	2.741	ng/u1	98
61) Fluorene	16.029	166	26074	4.830	ng/u1	99
72) Phenanthrene	17.773	178	426162	53.857	ng/u1	98
74) Anthracene	17.861	178	84504	10.632	ng/u1	98
77) Carbazole	18.126	167	36300	5.465	ng/u1	100
80) Fluoranthene	19.765	202	708145	78.458	ng/u1	97
82) Pyrene	20.123	202	563250	61.644	ng/u1	98
85) Benzo(a)anthracene	22.020	228	324070	35.795	ng/u1	99
86) Bis(2-ethylhexyl)phtha...	21.862	149	7478	1.757	ng/u1	97
87) Chrysene	22.097	228	320371	37.507	ng/u1	96
90) Benzo(b)fluoranthene	24.447	252	378502	40.322	ng/u1	95
91) Benzo(k)fluoranthene	24.505	252	157019m	17.194	ng/u1	
93) Benzo(a)pyrene	25.398	252	259183m	31.982	ng/u1	
94) Indeno(1,2,3-cd)pyrene	29.634	276	173406	17.118	ng/u1	98
95) Dibenzo(a,h)anthracene	29.663	278	56011m	6.668	ng/u1	
96) Benzo(g,h,i)perylene	30.908	276	133890	16.331	ng/u1	97

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

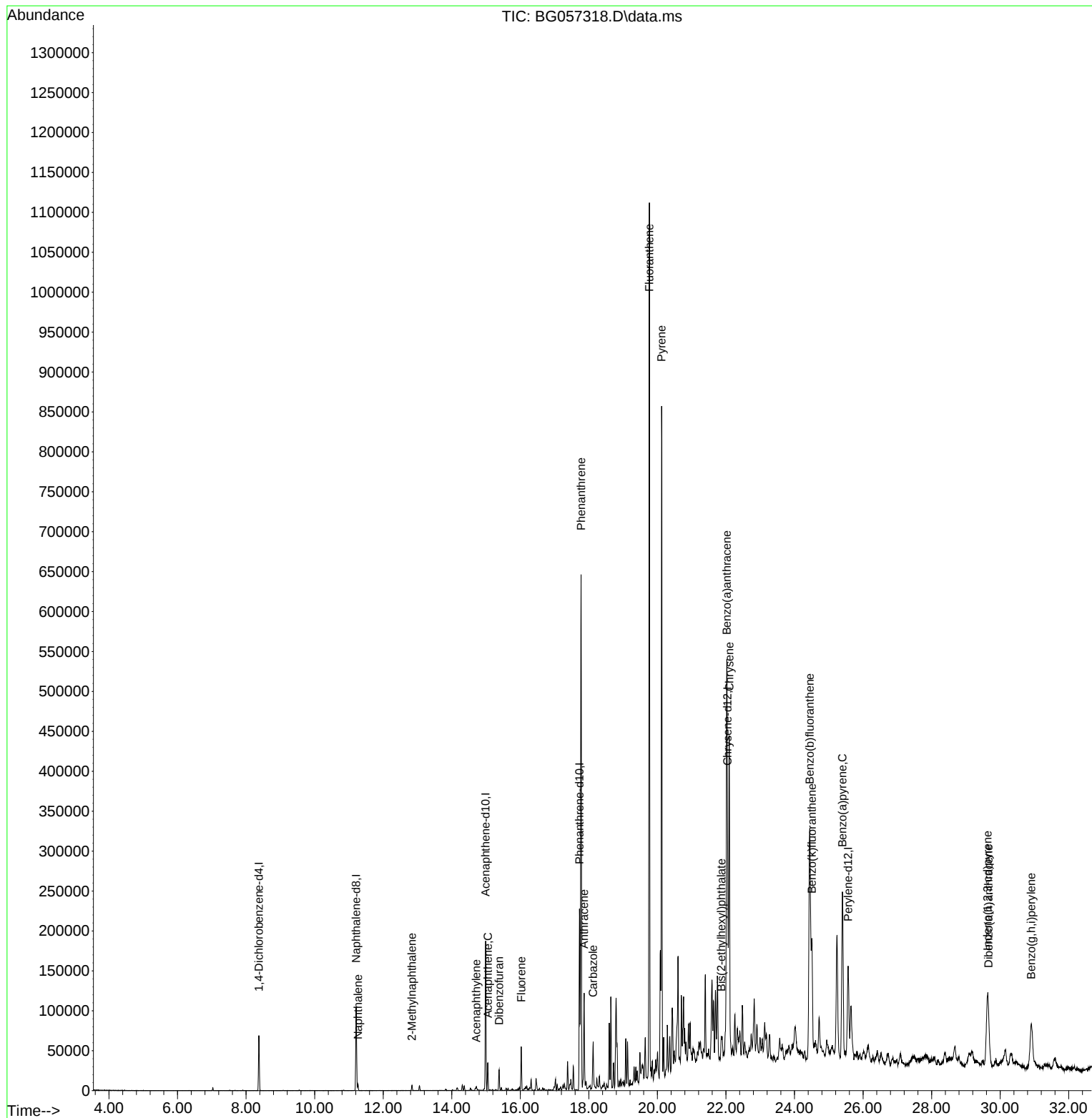
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG050523\
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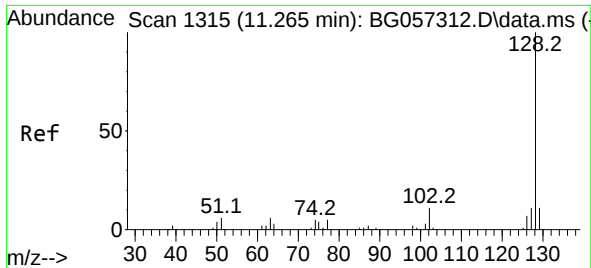
Instrument :
BNA_G
ClientSampleId :
EW946DL

Quant Time: May 06 00:47:26 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG042823.MA.M
Quant Title : SVOA CALIBRATION
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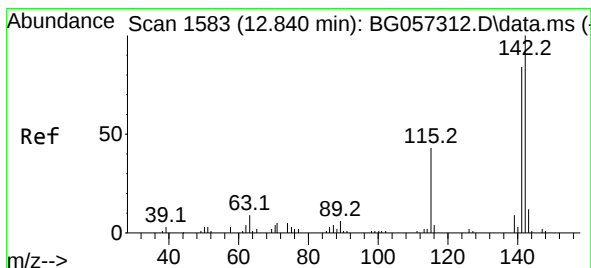
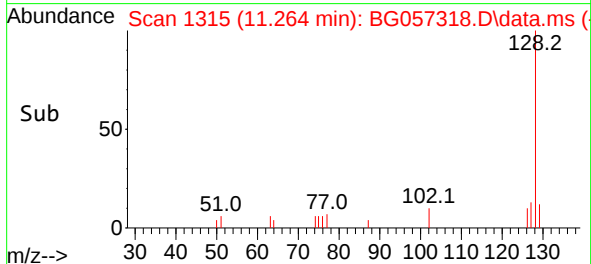
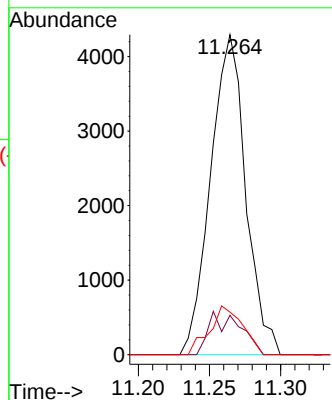
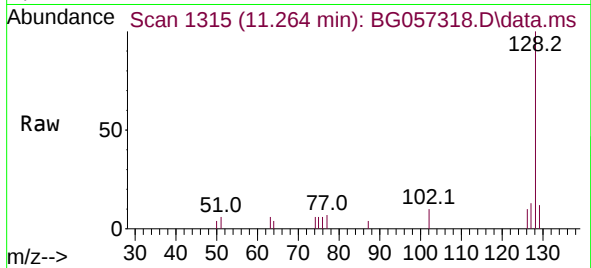
#30
Naphthalene
Concen: 1.529 ng/ul
RT: 11.264 min Scan# 1128
Delta R.T. -0.001 min
Lab File: BG057318.D
Acq: 5 May 2023 14:58

Instrument :
BNA_G
ClientSampleId :
EW946DL

Tgt Ion:128 Resp: 738
Ion Ratio Lower Upper
128 100
129 12.3 8.5 12.7
127 13.3 11.4 17.0

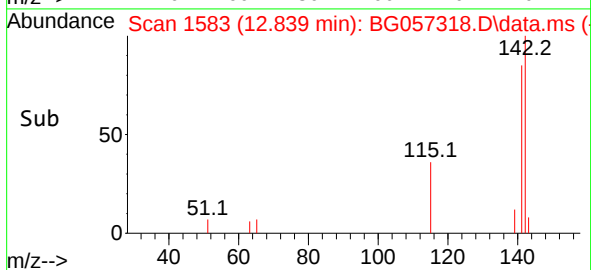
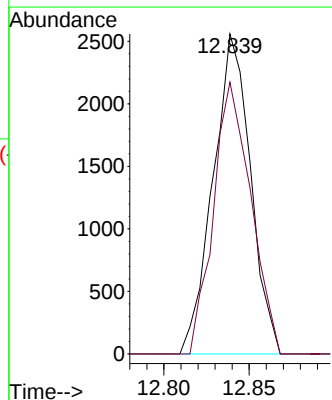
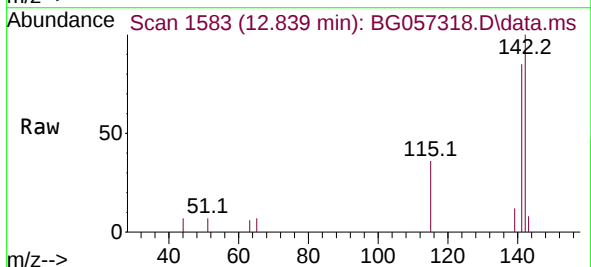
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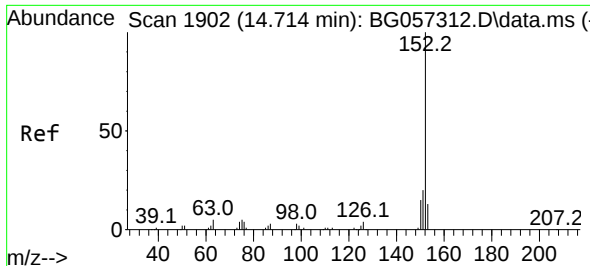
Reviewed By :Christian Giraldo 05/08/2023
Supervised By :Jagrut Upadhyay 05/08/2023



#36
2-Methylnaphthalene
Concen: 1.101 ng/ul
RT: 12.839 min Scan# 1583
Delta R.T. -0.001 min
Lab File: BG057318.D
Acq: 5 May 2023 14:58

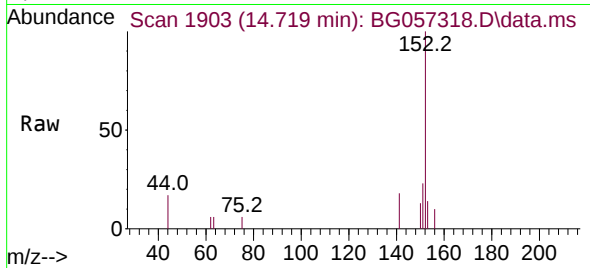
Tgt Ion:142 Resp: 3898
Ion Ratio Lower Upper
142 100
141 84.9 68.7 103.1





#50
Acenaphthylene
Concen: 1.076 ng/ul m
RT: 14.719 min Scan# 1903
Delta R.T. 0.005 min
Lab File: BG057318.D
Acq: 5 May 2023 14:58

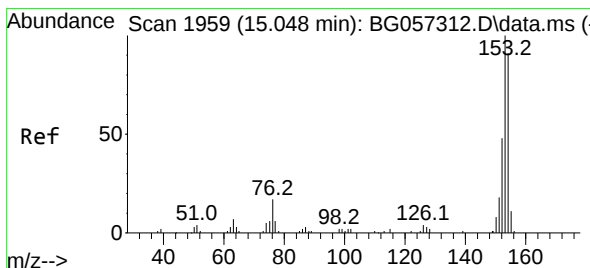
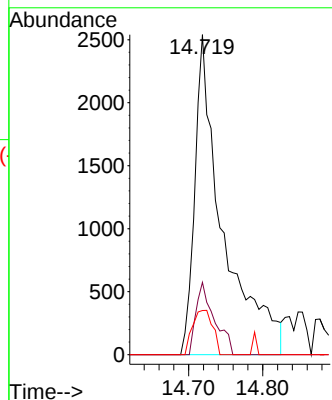
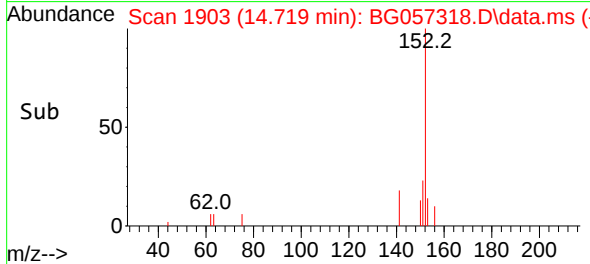
Instrument :
BNA_G
ClientSampleId :
EW946DL



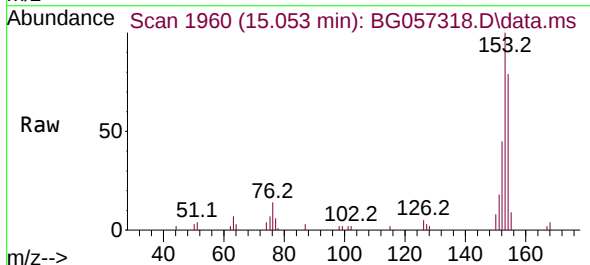
Tgt Ion:152 Resp: 6674
Ion Ratio Lower Upper
152 100
151 22.6 16.3 24.5
153 13.8 10.1 15.1

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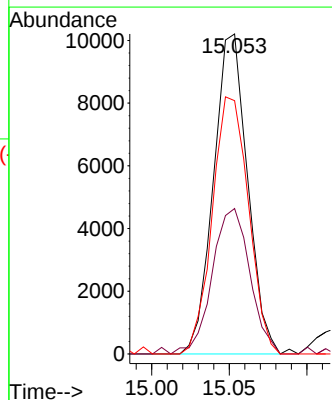
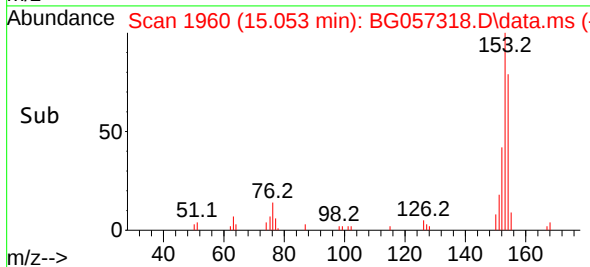
Reviewed By :Christian Giraldo 05/08/2023
Supervised By :Jagrut Upadhyay 05/08/2023

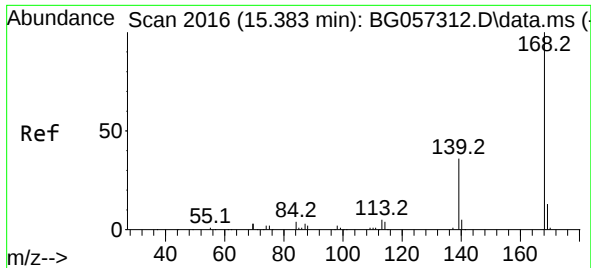


#52
Acenaphthene
Concen: 3.523 ng/ul
RT: 15.053 min Scan# 1960
Delta R.T. 0.005 min
Lab File: BG057318.D
Acq: 5 May 2023 14:58



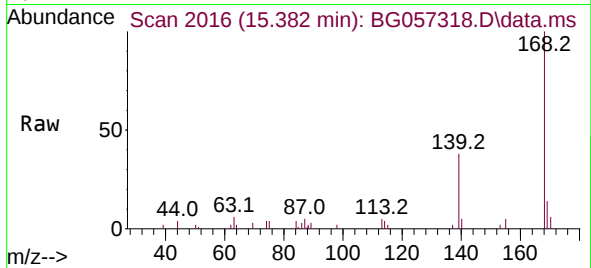
Tgt Ion:153 Resp: 15574
Ion Ratio Lower Upper
153 100
152 45.4 36.5 54.7
154 79.2 70.6 106.0





#56
Dibenzenofuran
Concen: 2.741 ng/ul
RT: 15.382 min Scan# 2016
Delta R.T. -0.001 min
Lab File: BG057318.D
Acq: 5 May 2023 14:58

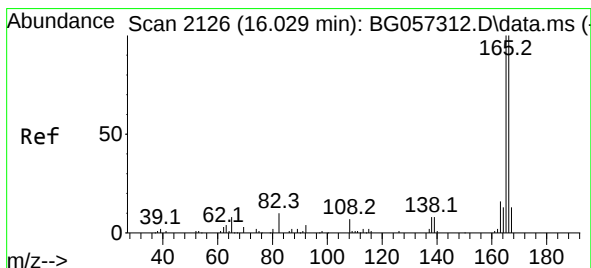
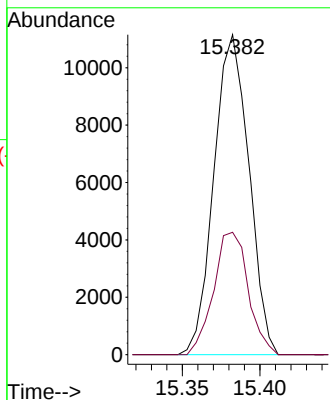
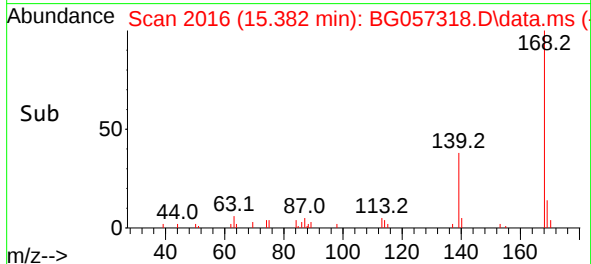
Instrument :
BNA_G
ClientSampleId :
EW946DL



Tgt Ion:168 Resp: 1749
Ion Ratio Lower Upper
168 100
139 38.3 29.6 44.4

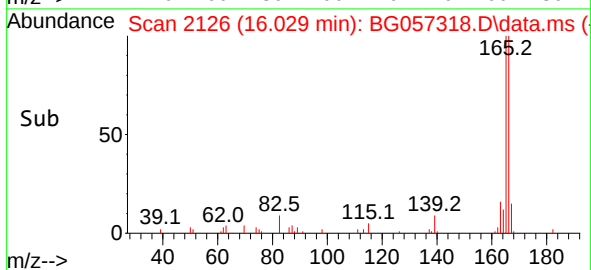
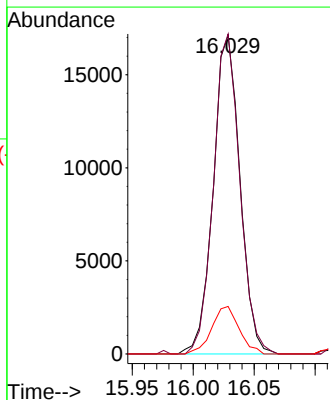
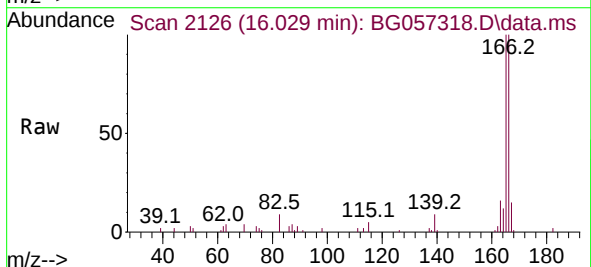
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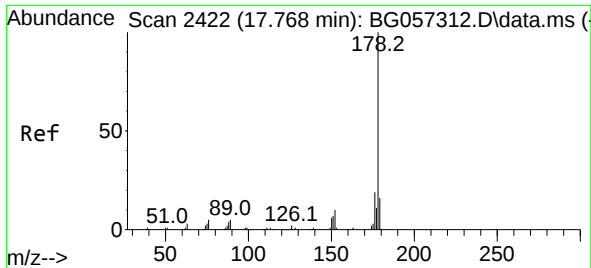
Reviewed By :Christian Giraldo 05/08/2023
Supervised By :Jagrut Upadhyay 05/08/2023



#61
Fluorene
Concen: 4.830 ng/ul
RT: 16.029 min Scan# 2126
Delta R.T. -0.001 min
Lab File: BG057318.D
Acq: 5 May 2023 14:58

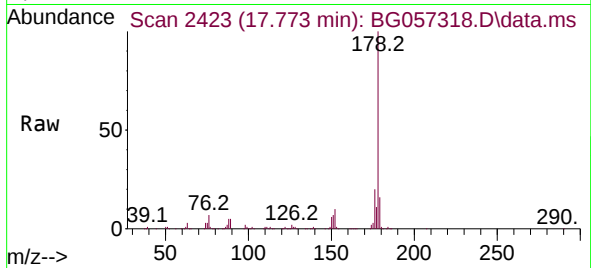
Tgt Ion:166 Resp: 26074
Ion Ratio Lower Upper
166 100
165 100.4 80.1 120.1
167 14.9 10.2 15.4





#72
Phenanthrene
Concen: 53.857 ng/ul
RT: 17.773 min Scan# 2422
Delta R.T. 0.005 min
Lab File: BG057318.D
Acq: 5 May 2023 14:58

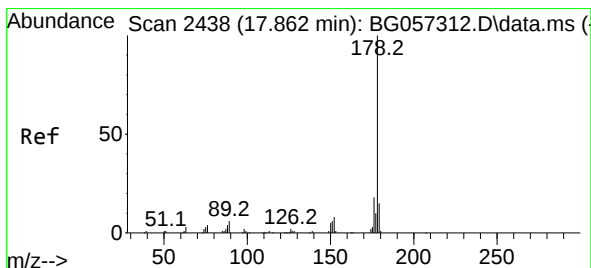
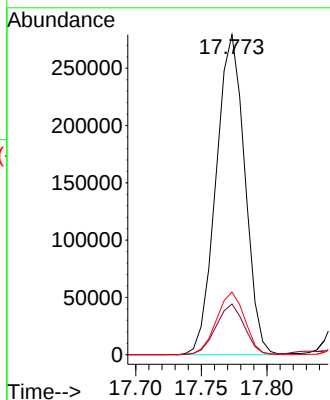
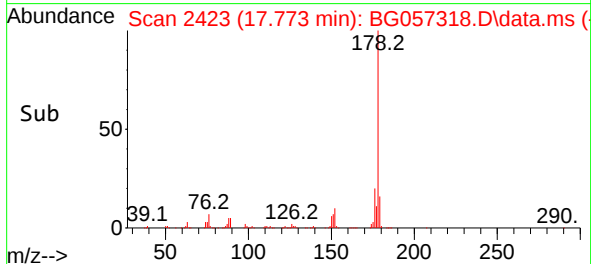
Instrument :
BNA_G
ClientSampleId :
EW946DL



Tgt Ion:178 Resp: 426162
Ion Ratio Lower Upper
178 100
179 15.9 11.8 17.8
176 19.6 15.4 23.0

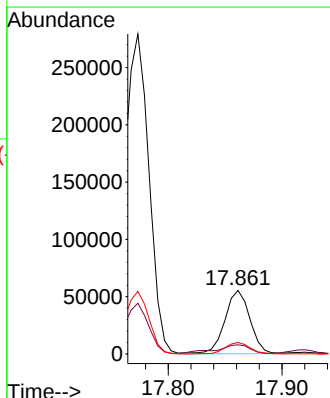
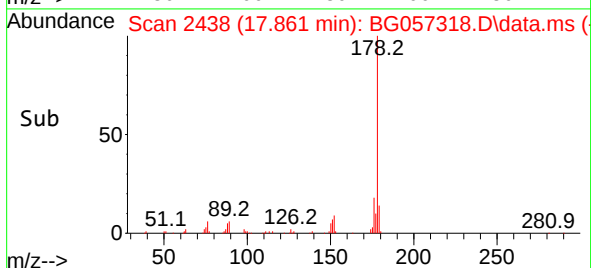
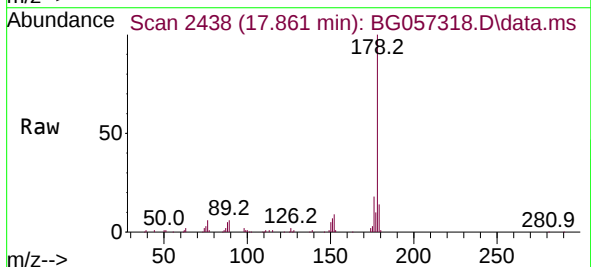
Manual Integrations
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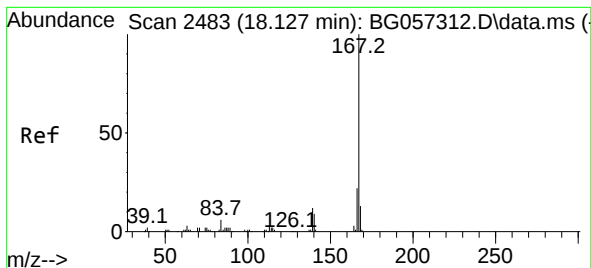
Reviewed By :Christian Giraldo 05/08/2023
Supervised By :Jagrut Upadhyay 05/08/2023



#74
Anthracene
Concen: 10.632 ng/ul
RT: 17.861 min Scan# 2438
Delta R.T. -0.001 min
Lab File: BG057318.D
Acq: 5 May 2023 14:58

Tgt Ion:178 Resp: 84504
Ion Ratio Lower Upper
178 100
179 14.4 12.5 18.7
176 18.1 14.7 22.1





#77

Carbazole

Concen: 5.465 ng/ul

RT: 18.126 min Scan# 2483

Delta R.T. -0.001 min

Lab File: BG057318.D

Acq: 5 May 2023 14:58

Instrument :

BNA_G

ClientSampleId :

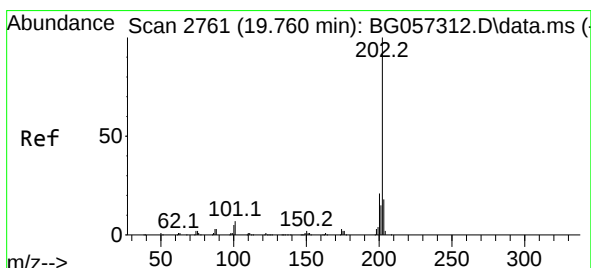
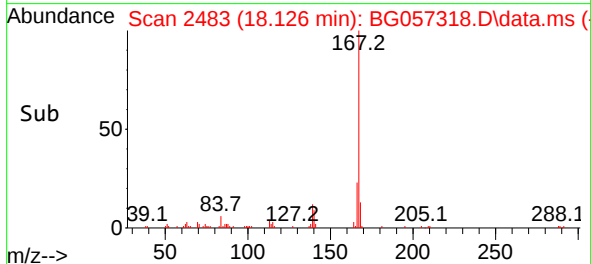
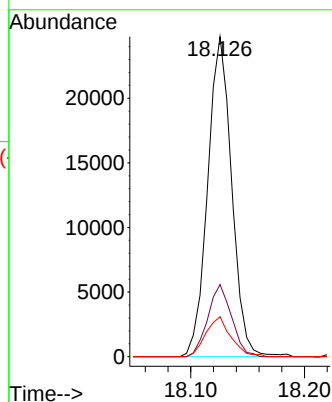
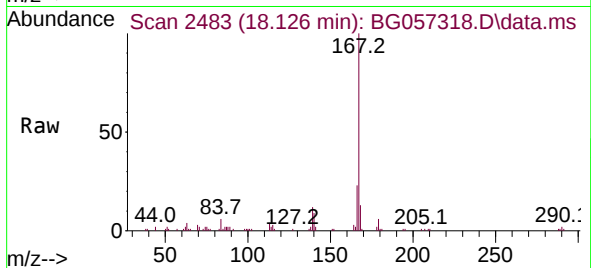
EW946DL

Tgt Ion:167	Resp:	36300
Ion Ratio	Lower	Upper
167	100	
166	22.6	18.0 27.0
139	12.5	10.3 15.5

Manual Integrations

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Supervised By :Jagrut Upadhyay 05/08/2023



#80

Fluoranthene

Concen: 78.458 ng/ul

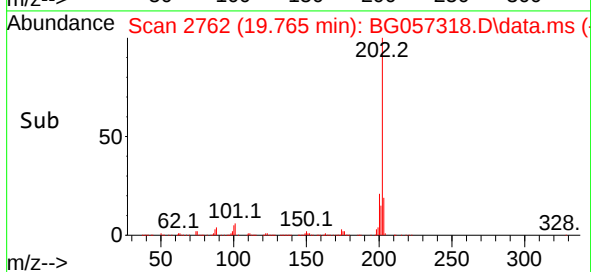
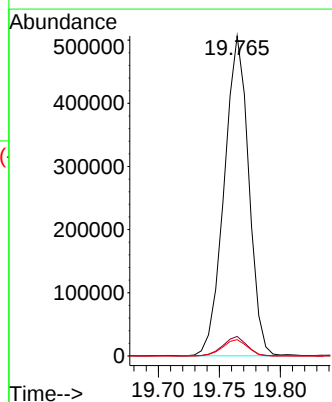
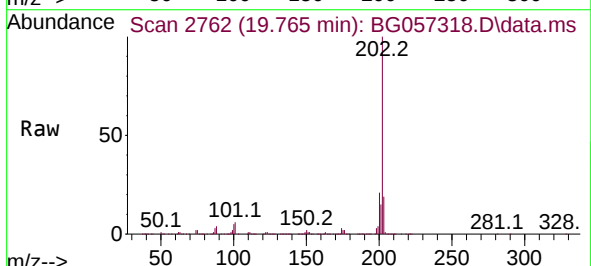
RT: 19.765 min Scan# 2762

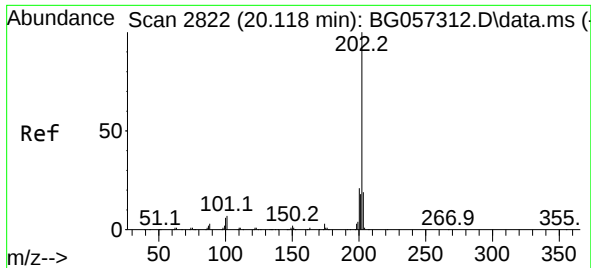
Delta R.T. 0.005 min

Lab File: BG057318.D

Acq: 5 May 2023 14:58

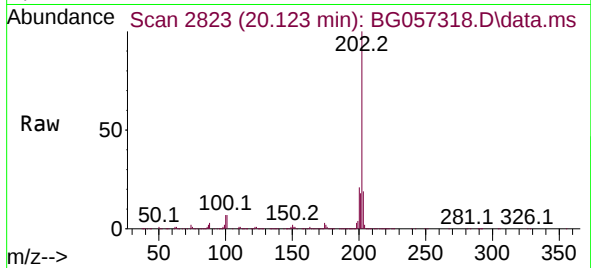
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Ion Ratio	Lower	Upper
202	100	
101	6.1	5.8 8.6
100	5.1	4.6 7.0





#82
 Pyrene
 Concen: 61.644 ng/ul
 RT: 20.123 min Scan# 2012
 Delta R.T. 0.005 min
 Lab File: BG057318.D
 Acq: 5 May 2023 14:58

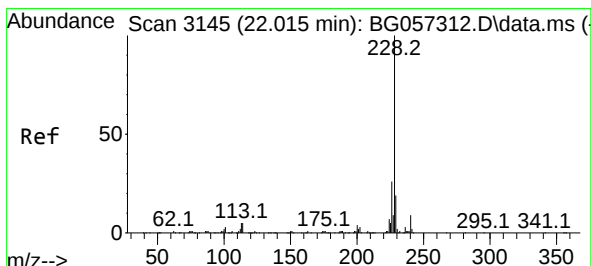
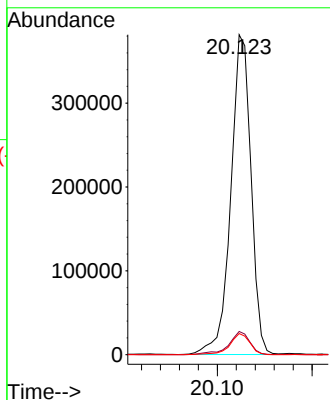
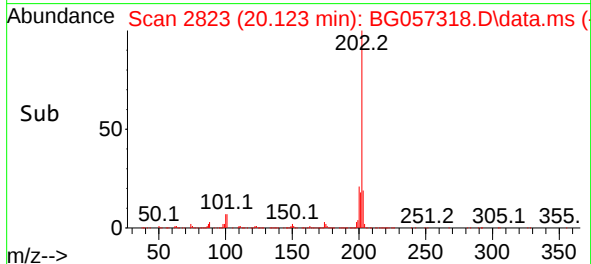
Instrument :
 BNA_G
 ClientSampleId :
 EW946DL



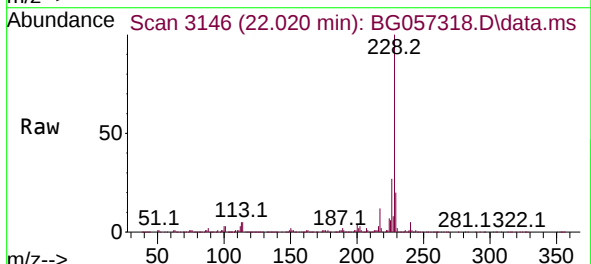
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 Ion Ratio Lower Upper
 202 100
 101 7.2 5.7 8.5
 100 6.6 6.0 9.0

Manual Integrations
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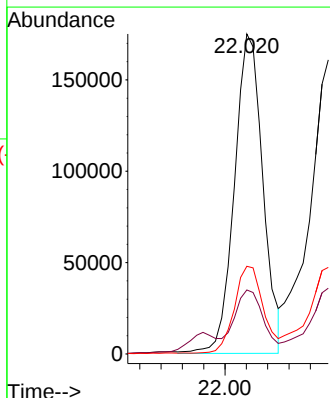
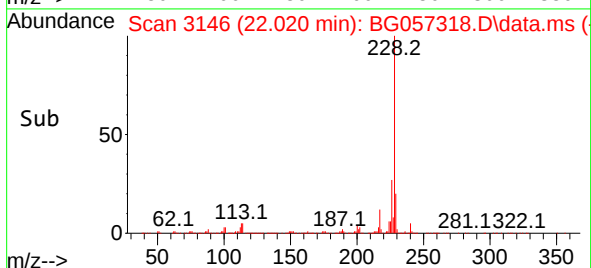
Reviewed By :Christian Giraldo 05/08/2023
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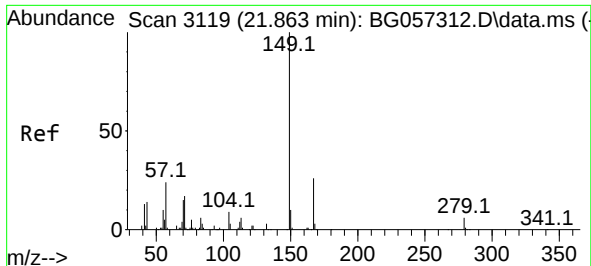


#85
 Benzo(a)anthracene
 Concen: 35.795 ng/ul
 RT: 22.020 min Scan# 3146
 Delta R.T. 0.005 min
 Lab File: BG057318.D
 Acq: 5 May 2023 14:58



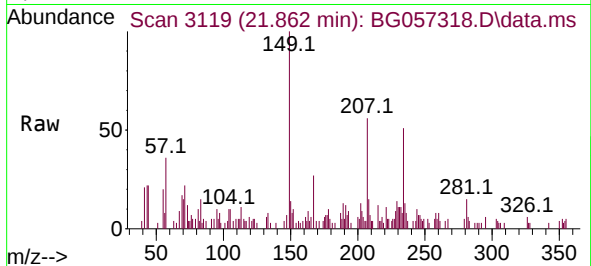
Tgt Ion:228 Resp: 324070
 Ion Ratio Lower Upper
 228 100
 229 20.0 15.8 23.6
 226 27.4 21.7 32.5





#86
 Bis(2-ethylhexyl)phthalate
 Concen: 1.757 ng/ul
 RT: 21.862 min Scan# 3119
 Delta R.T. -0.001 min
 Lab File: BG057318.D
 Acq: 5 May 2023 14:58

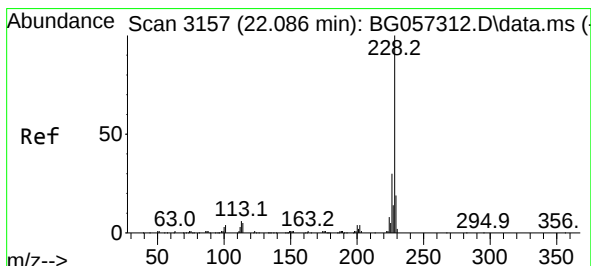
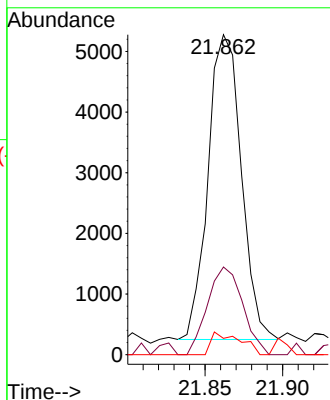
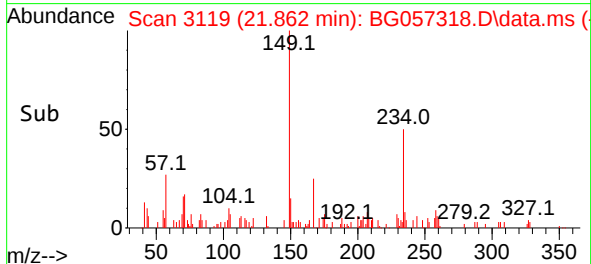
Instrument :
 BNA_G
 ClientSampleId :
 EW946DL



Tgt Ion:149 Resp: 7478
 Ion Ratio Lower Upper
 149 100
 167 27.4 23.0 34.6
 279 5.1 3.6 5.4

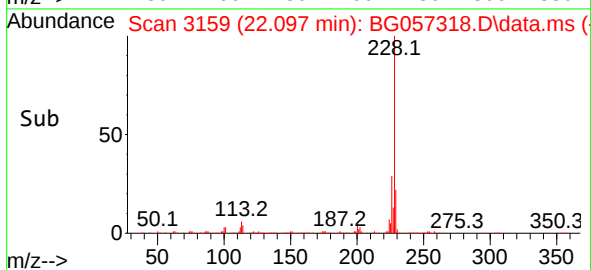
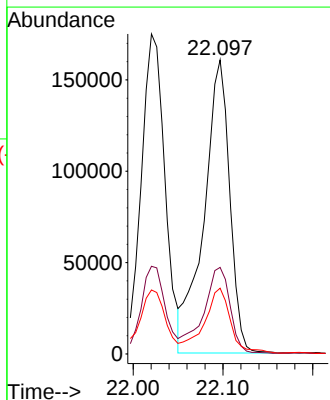
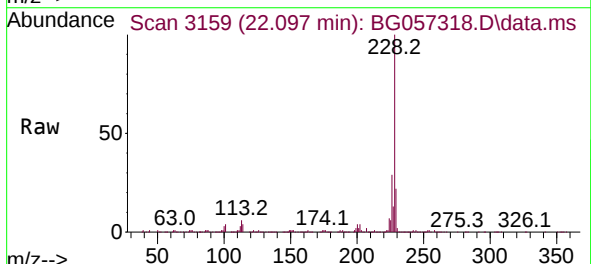
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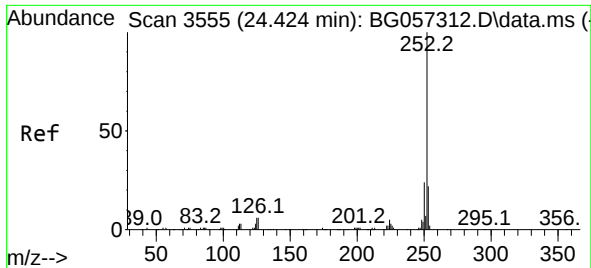
Reviewed By :Christian Giraldo 05/08/2023
 Supervised By :Jagrut Upadhyay 05/08/2023



#87
 Chrysene
 Concen: 37.507 ng/ul
 RT: 22.097 min Scan# 3159
 Delta R.T. 0.011 min
 Lab File: BG057318.D
 Acq: 5 May 2023 14:58

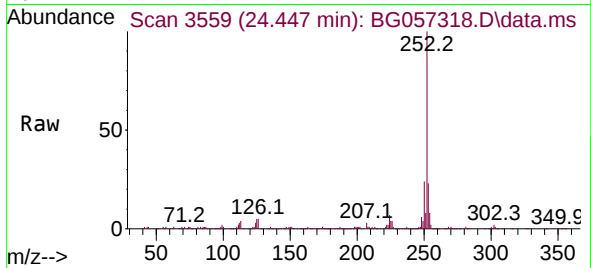
Tgt Ion:228 Resp: 320371
 Ion Ratio Lower Upper
 228 100
 226 29.4 22.8 34.2
 229 22.4 15.5 23.3





#90
Benzo(b)fluoranthene
Concen: 40.322 ng/ul
RT: 24.447 min Scan# 3559
Delta R.T. 0.023 min
Lab File: BG057318.D
Acq: 5 May 2023 14:58

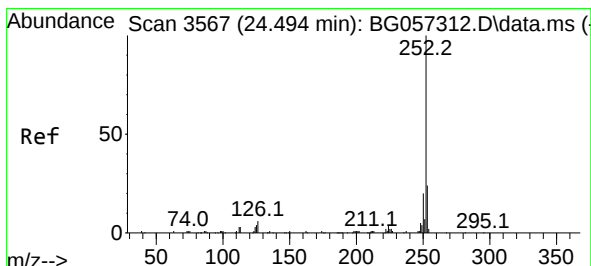
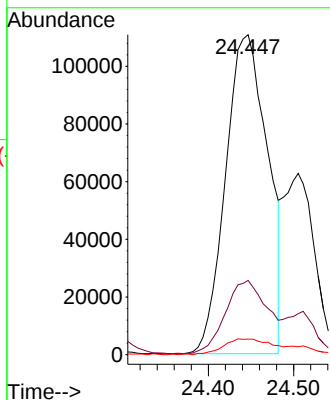
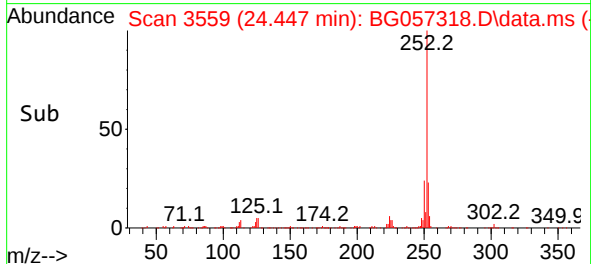
Instrument :
BNA_G
ClientSampleId :
EW946DL



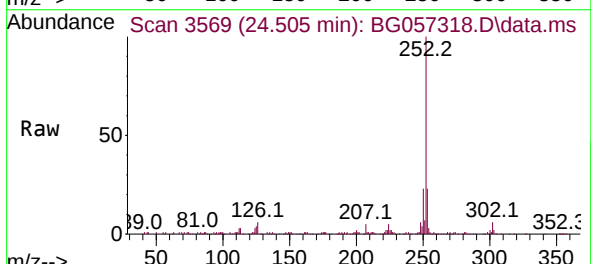
Tgt Ion:252 Resp: 37850
Ion Ratio Lower Upper
252 100
253 23.2 16.7 25.1
125 4.8 4.8 7.2

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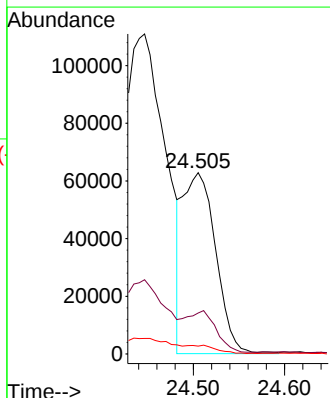
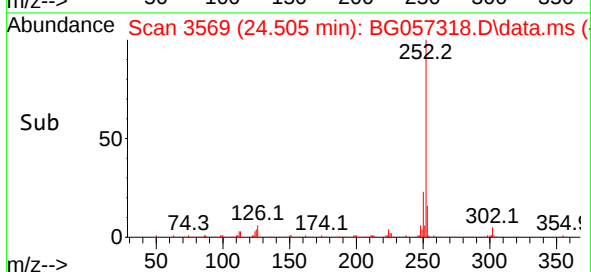
Reviewed By :Christian Giraldo 05/08/2023
Supervised By :Jagrut Upadhyay 05/08/2023

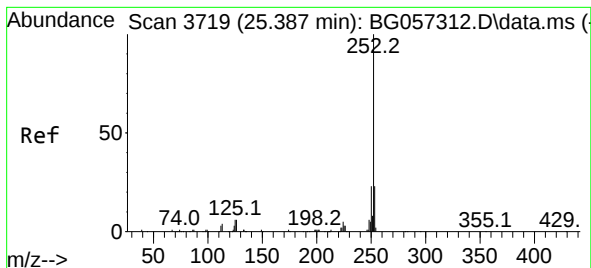


#91
Benzo(k)fluoranthene
Concen: 17.194 ng/ul m
RT: 24.505 min Scan# 3569
Delta R.T. 0.011 min
Lab File: BG057318.D
Acq: 5 May 2023 14:58



Tgt Ion:252 Resp: 157019
Ion Ratio Lower Upper
252 100
253 22.6 17.7 26.5
125 4.3 4.5 6.7#





#93

Benzo(a)pyrene

Concen: 31.982 ng/ul m

RT: 25.398 min Scan# 3

Delta R.T. 0.011 min

Lab File: BG057318.D

Acq: 5 May 2023 14:58

Instrument :

BNA_G

ClientSampleId :

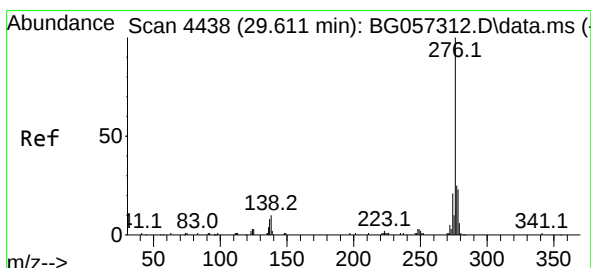
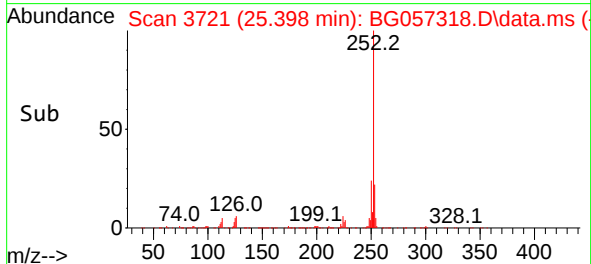
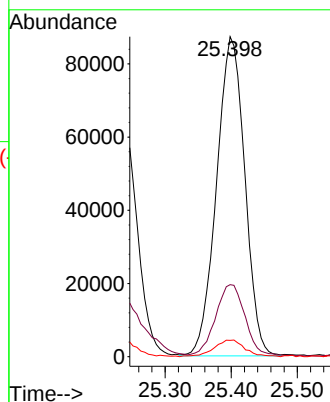
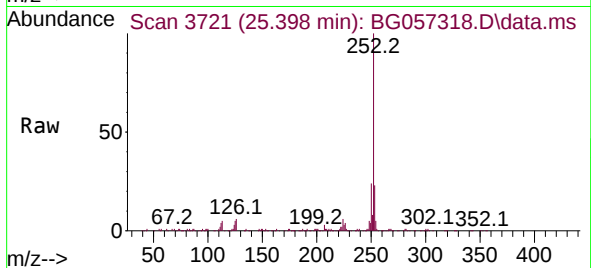
EW946DL

Tgt Ion:252 Resp: 25918
 Ion Ratio Lower Upper
 252 100
 253 22.5 17.2 25.8
 125 5.1 5.1 7.7

Manual Integrations

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Reviewed By :Christian Giraldo 05/08/2023
 Supervised By :Jagrut Upadhyay 05/08/2023



#94

Indeno(1,2,3-cd)pyrene

Concen: 17.118 ng/ul

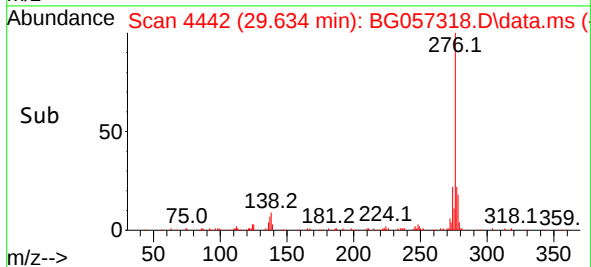
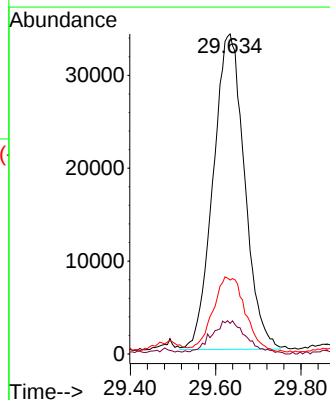
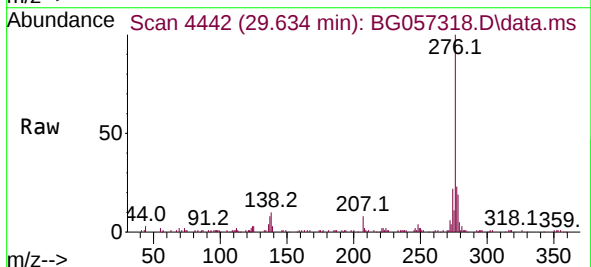
RT: 29.634 min Scan# 4442

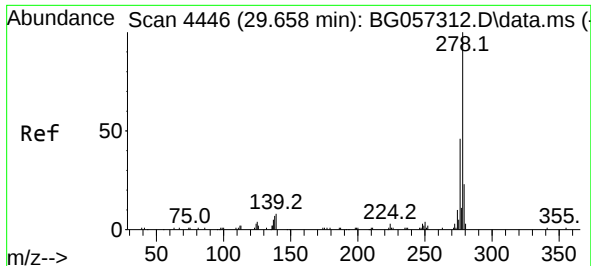
Delta R.T. 0.023 min

Lab File: BG057318.D

Acq: 5 May 2023 14:58

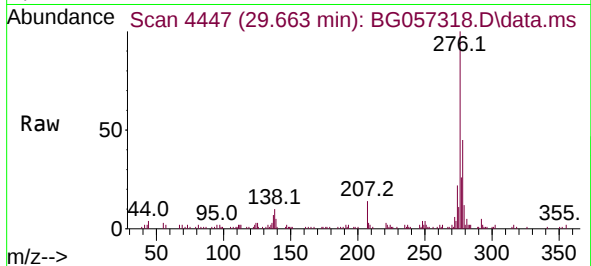
Tgt Ion:276 Resp: 173406
 Ion Ratio Lower Upper
 276 100
 138 9.5 9.4 14.2
 277 23.1 18.6 28.0





#95
Dibenzo(a,h)anthracene
Concen: 6.668 ng/ul m
RT: 29.663 min Scan# 4447
Delta R.T. 0.005 min
Lab File: BG057318.D
Acq: 5 May 2023 14:58

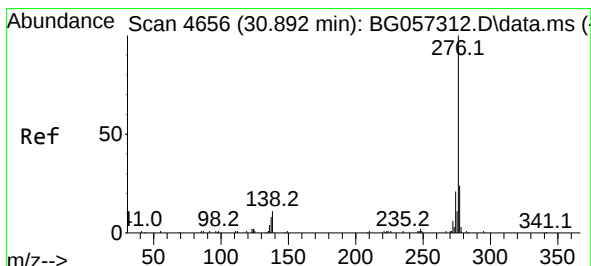
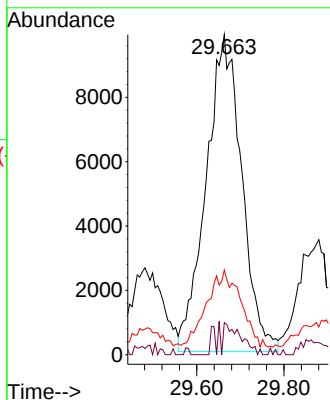
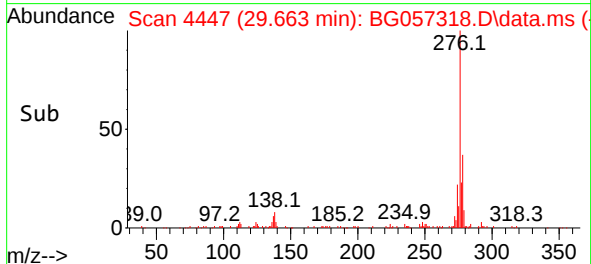
Instrument :
BNA_G
ClientSampleId :
EW946DL



Tgt Ion:278 Resp: 5601
Ion Ratio Lower Upper
278 100
139 10.0 5.8 8.6
279 26.4 18.3 27.5

Manual Integrations
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Reviewed By :Christian Giraldo 05/08/2023
Supervised By :Jagrut Upadhyay 05/08/2023



#96
Benzo(g,h,i)perylene
Concen: 16.331 ng/ul
RT: 30.908 min Scan# 4659
Delta R.T. 0.017 min
Lab File: BG057318.D
Acq: 5 May 2023 14:58

Tgt Ion:276 Resp: 133890
Ion Ratio Lower Upper
276 100
138 10.7 8.7 13.1
277 24.7 18.4 27.6

