

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG050523\
 Data File : BG057314.D
 Acq On : 5 May 2023 11:32
 Operator : CG/JU
 Sample : 02479-05 10X
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 EW946

Manual Integrations
 APPROVED

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

Quant Time: May 06 00:10:54 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	8.373	152	17189	20.000	ng/u1	0.00
20) Naphthalene-d8	11.210	136	78024	20.000	ng/u1	# 0.00
38) Acenaphthene-d10	14.988	164	63885	20.000	ng/u1	0.00
64) Phenanthrene-d10	17.725	188	142290	20.000	ng/u1	0.00
79) Chrysene-d12	22.049	240	124689	20.000	ng/u1	0.00
88) Perylene-d12	25.573	264	137967	20.000	ng/u1	0.02
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	7.521	99	1777	1.093	ng/u1	0.00
9) Bis-(2-Chloroethyl)eth...	7.674	67	1061	1.110	ng/u1	0.00
11) 2-Chlorophenol-d4	7.903	132	1313	1.226	ng/u1	0.00
15) 4-Methylphenol-d8	9.072	113	1578	1.277	ng/u1	0.00
21) Nitrobenzene-d5	9.554	128	515	0.829	ng/u1	0.00
24) 2-Nitrophenol-d4	10.282	143	733	1.011	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	10.840	165	1798	1.285	ng/u1	0.02
31) 4-Chloroaniline-d4	11.346	131	860	0.464	ng/u1	0.00
46) Dimethylphthalate-d6	14.365	166	6666	1.317	ng/u1	0.00
49) Acenaphthylene-d8	14.688	160	8209	1.443	ng/u1	0.00
54) 4-Nitrophenol-d4	15.217	143	227	0.308	ng/u1	0.04
60) Fluorene-d10	15.969	176	6818	1.446	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	0.000	200	0	0.000	ng/u1	
73) Anthracene-d10	17.825	188	10295	1.585	ng/u1	0.00
81) Pyrene-d10	20.093	212	11773	1.591	ng/u1	0.00
92) Benzo(a)pyrene-d12	25.333	264	11233m	1.598	ng/u1	0.02
Target Compounds						Qvalue
30) Naphthalene	11.257	128	20756	4.845	ng/u1	97
36) 2-Methylnaphthalene	12.838	142	11217	3.570	ng/u1	97
37) 1-Methylnaphthalene	13.055	142	10655	3.373	ng/u1	91
50) Acenaphthylene	14.717	152	20701m	3.581	ng/u1	
52) Acenaphthene	15.046	153	46117	11.195	ng/u1	97
56) Dibenzofuran	15.381	168	53512	8.996	ng/u1	96
61) Fluorene	16.027	166	79551	15.815	ng/u1	99
72) Phenanthrene	17.778	178	1212694	163.661	ng/u1	97
74) Anthracene	17.860	178	244150	32.802	ng/u1	100
77) Carbazole	18.125	167	109642	17.627	ng/u1	99
80) Fluoranthene	19.775	202	2030249	230.928	ng/u1	98
82) Pyrene	20.134	202	1665720	187.156	ng/u1	98
85) Benzo(a)anthracene	22.031	228	999819	113.376	ng/u1	98
86) Bis(2-ethylhexyl)phtha...	21.861	149	24308	5.864	ng/u1	94
87) Chrysene	22.102	228	1019394m	122.522	ng/u1	
90) Benzo(b)fluoranthene	24.469	252	1265182	132.423	ng/u1	96
91) Benzo(k)fluoranthene	24.522	252	411222m	44.241	ng/u1	
93) Benzo(a)pyrene	25.421	252	824685m	99.983	ng/u1	
94) Indeno(1,2,3-cd)pyrene	29.668	276	562988	54.603	ng/u1	96
95) Dibenzo(a,h)anthracene	29.691	278	173999m	20.352	ng/u1	
96) Benzo(g,h,i)perylene	30.943	276	459394	55.053	ng/u1	99

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

Instrument :

BNA_G

ClientSampleId :

EW946

Manual Integrations**APPROVED**

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

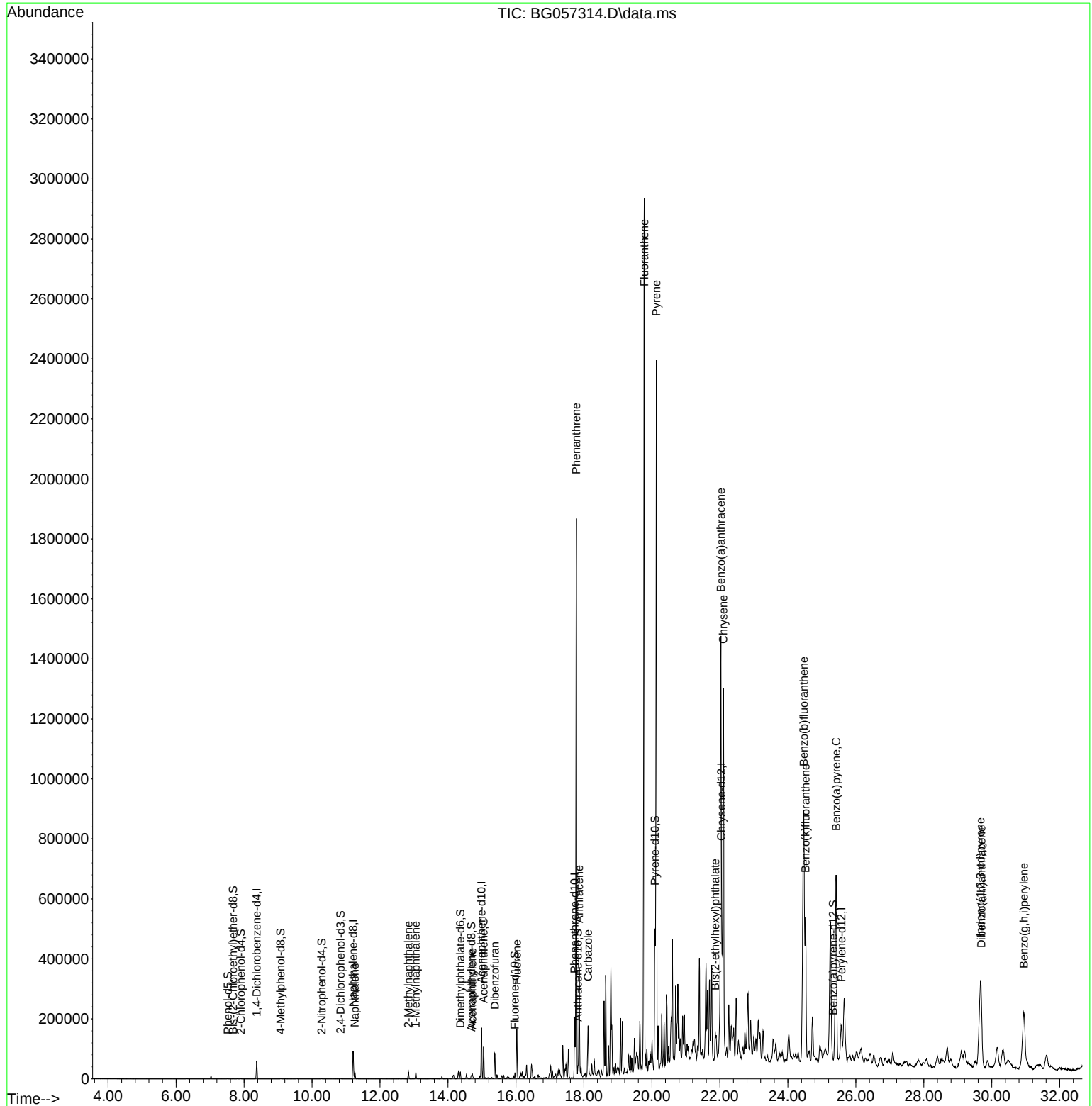
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG050523\
Data File : BG057314.D
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Sample : 02479-05 10X
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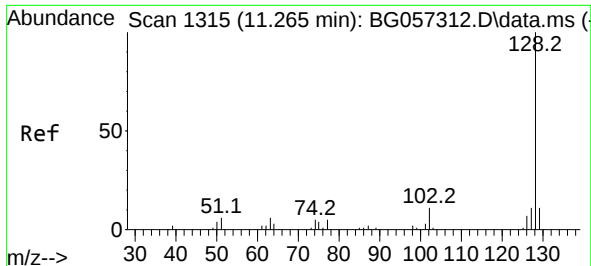
Instrument :
BNA_G
ClientSampleId :
EW946

Manual Integrations
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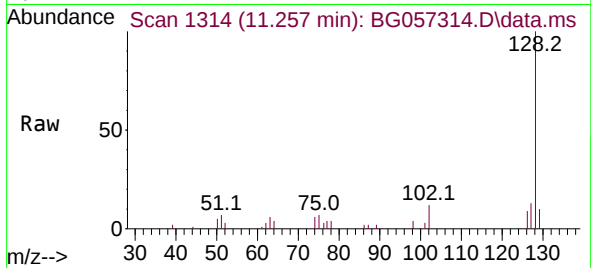
Quant Time: May 06 00:10:54 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG042823.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Fri May 05 11:20:08 2023
Response via : Initial Calibration





#30
Naphthalene
Concen: 4.845 ng/ul
RT: 11.257 min Scan# 11
Delta R.T. -0.008 min
Lab File: BG057314.D
Acq: 5 May 2023 11:32

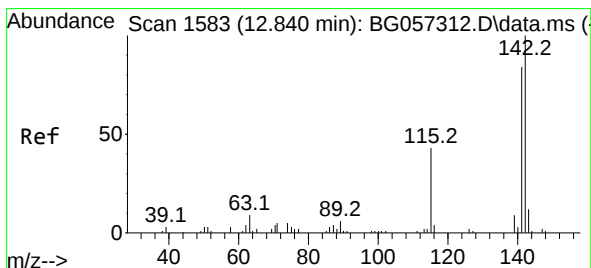
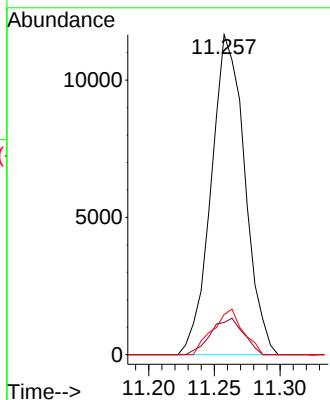
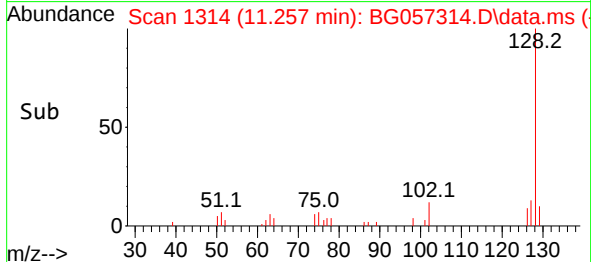
Instrument :
BNA_G
ClientSampleId :
EW946



Tgt Ion:128 Resp: 20750
Ion Ratio Lower Upper
128 100
129 10.0 8.5 12.7
127 12.5 11.4 17.0

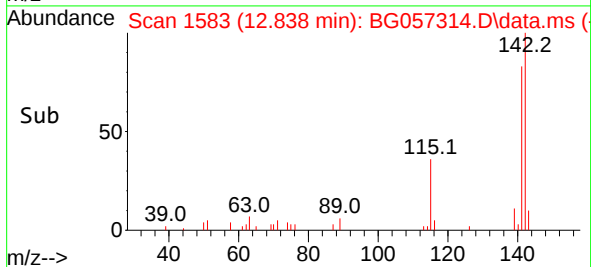
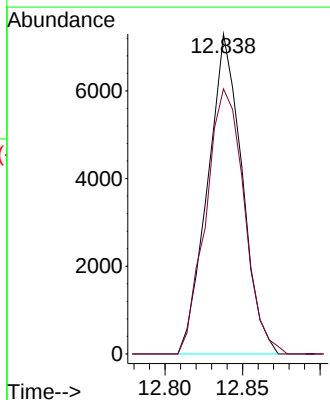
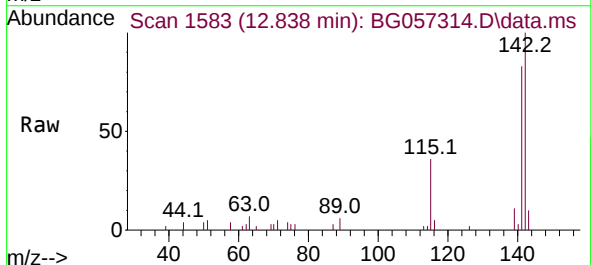
Manual Integrations
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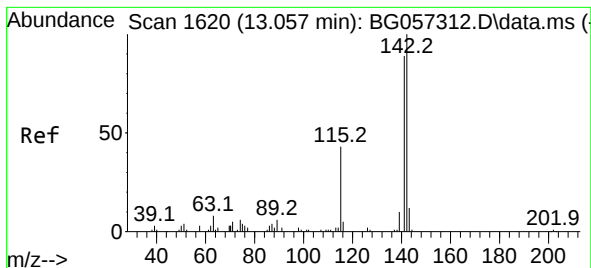
Reviewed By :Christian Giraldo 05/08/2023
Supervised By :Jagrut Upadhyay 05/08/2023



#36
2-Methylnaphthalene
Concen: 3.570 ng/ul
RT: 12.838 min Scan# 1583
Delta R.T. -0.002 min
Lab File: BG057314.D
Acq: 5 May 2023 11:32

Tgt Ion:142 Resp: 11217
Ion Ratio Lower Upper
142 100
141 82.9 68.7 103.1





#37

1-Methylnaphthalene

Concen: 3.373 ng/ul

RT: 13.055 min Scan# 1065

Delta R.T. -0.002 min

Lab File: BG057314.D

Acq: 5 May 2023 11:32

Instrument :

BNA_G

ClientSampleId :

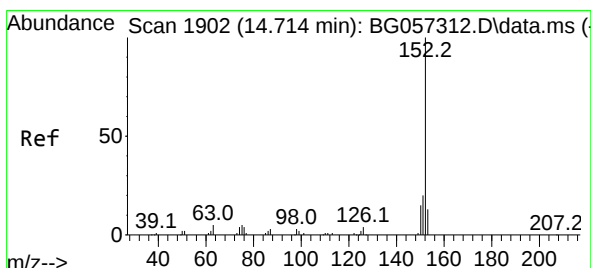
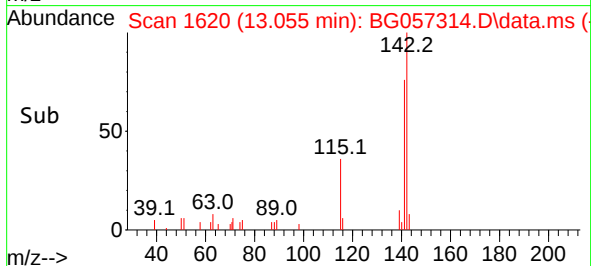
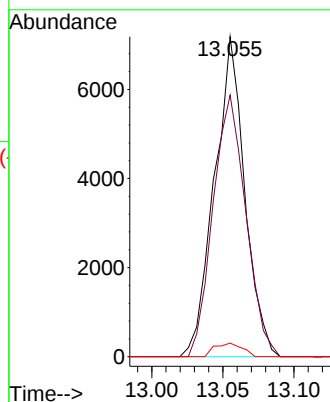
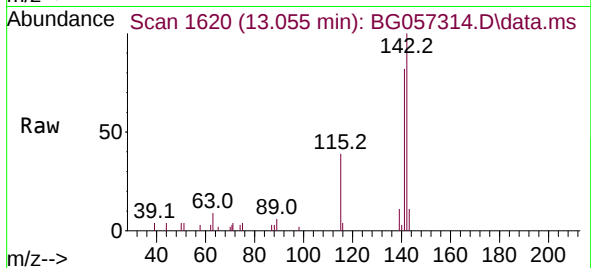
EW946

Tgt Ion	Ratio	Lower	Upper
142	100		
141	81.7	72.9	109.3
116	4.3	3.2	4.8

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#50

Acenaphthylene

Concen: 3.581 ng/ul m

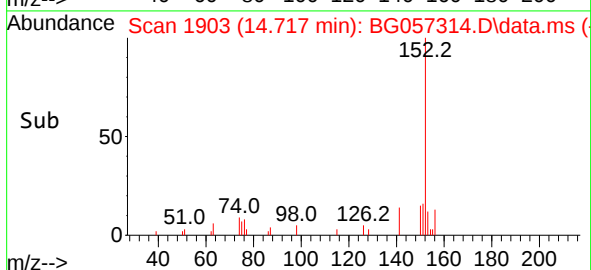
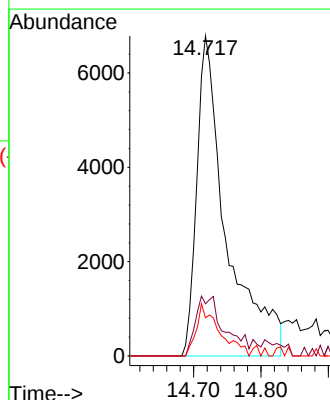
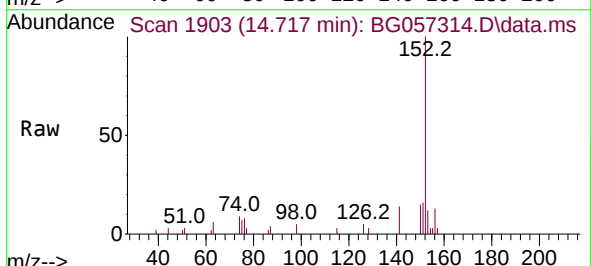
RT: 14.717 min Scan# 1903

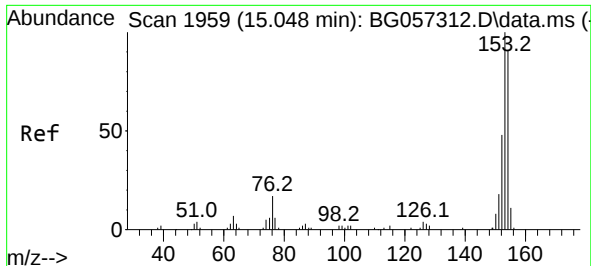
Delta R.T. 0.004 min

Lab File: BG057314.D

Acq: 5 May 2023 11:32

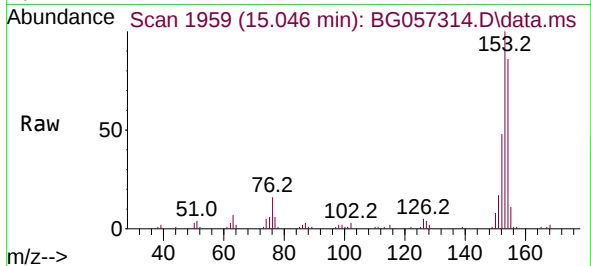
Tgt Ion	Ratio	Lower	Upper
152	100		
151	16.3	16.3	24.5
153	12.0	10.1	15.1





#52
Acenaphthene
Concen: 11.195 ng/ul
RT: 15.046 min Scan# 1959
Delta R.T. -0.002 min
Lab File: BG057314.D
Acq: 5 May 2023 11:32

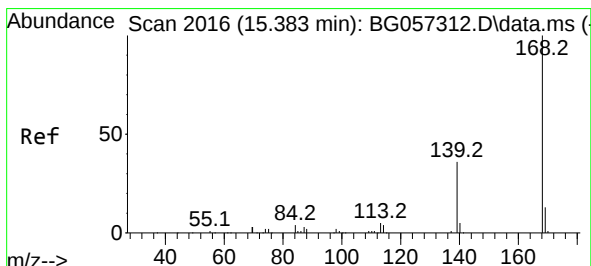
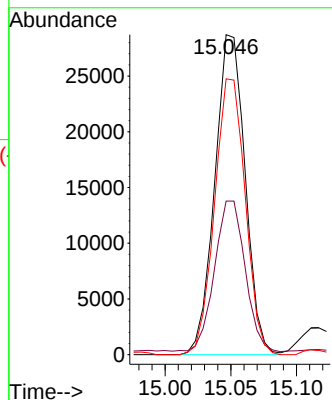
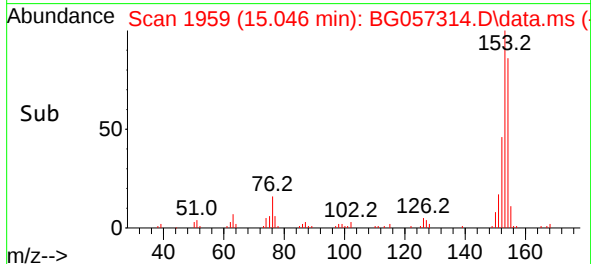
Instrument :
BNA_G
ClientSampleId :
EW946



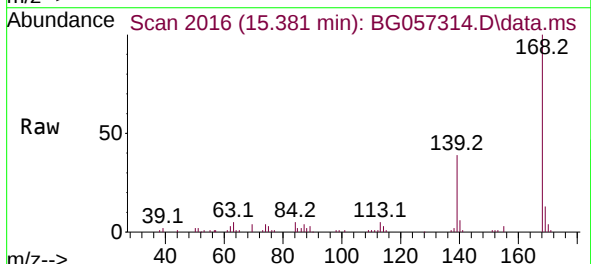
Tgt Ion:153 Resp: 4611
Ion Ratio Lower Upper
153 100
152 48.0 36.5 54.7
154 86.2 70.6 106.0

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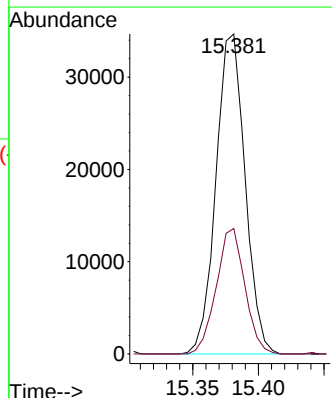
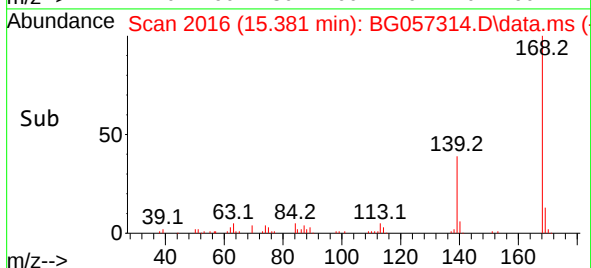
Reviewed By :Christian Giraldo 05/08/2023
Supervised By :Jagrut Upadhyay 05/08/2023

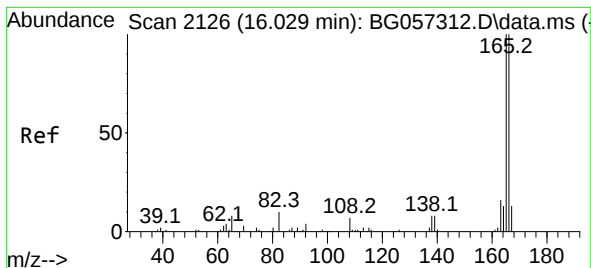


#56
Dibenzofuran
Concen: 8.996 ng/ul
RT: 15.381 min Scan# 2016
Delta R.T. -0.002 min
Lab File: BG057314.D
Acq: 5 May 2023 11:32



Tgt Ion:168 Resp: 53512
Ion Ratio Lower Upper
168 100
139 39.2 29.6 44.4





#61

Fluorene

Concen: 15.815 ng/ul

RT: 16.027 min Scan# 2126

Delta R.T. -0.002 min

Lab File: BG057314.D

Acq: 5 May 2023 11:32

Instrument :

BNA_G

ClientSampleId :

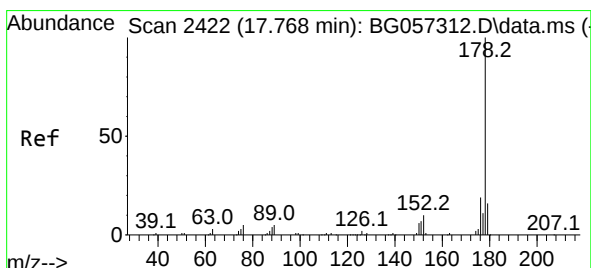
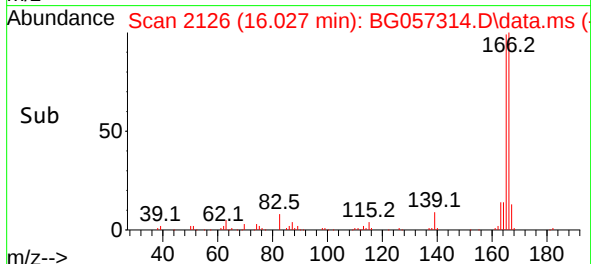
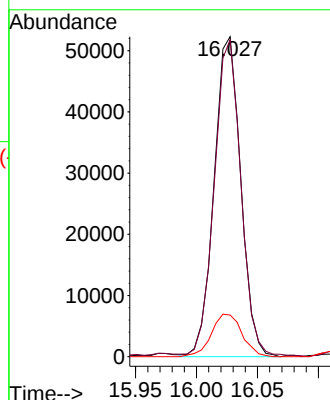
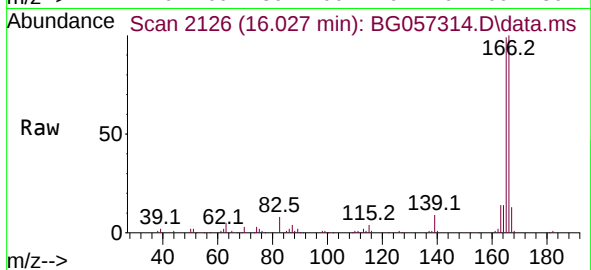
EW946

Tgt Ion:	166	Resp:	7955
Ion Ratio	Lower	Upper	
166	100		
165	99.1	80.1	120.1
167	13.0	10.2	15.4

Manual Integrations

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



#72

Phenanthrene

Concen: 163.661 ng/ul

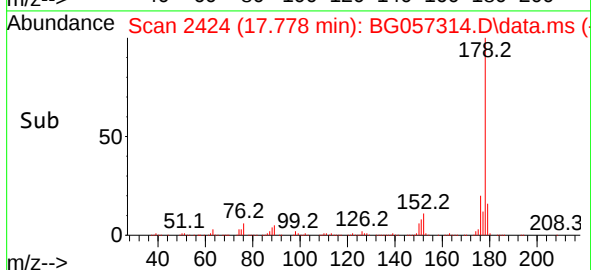
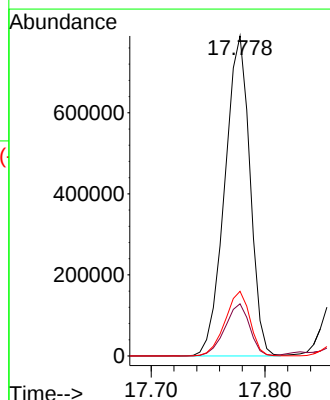
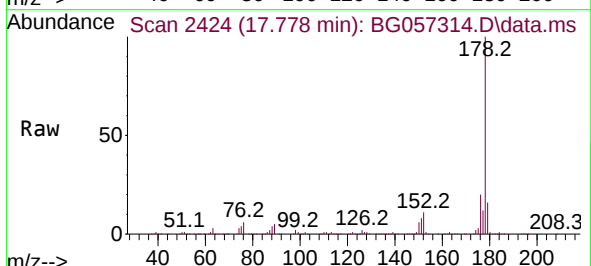
RT: 17.778 min Scan# 2424

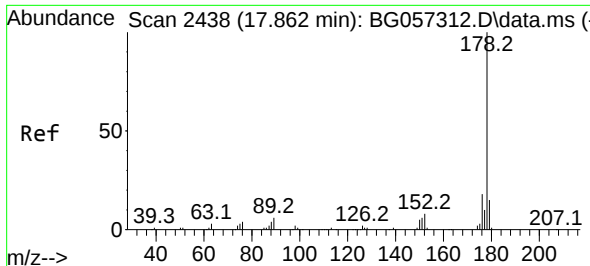
Delta R.T. 0.010 min

Lab File: BG057314.D

Acq: 5 May 2023 11:32

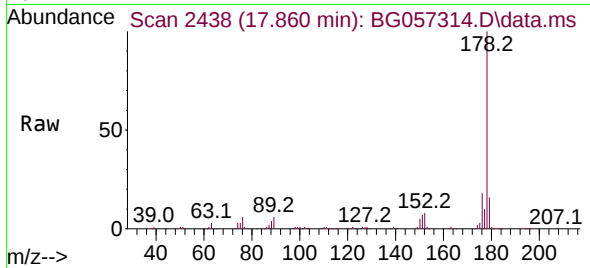
Tgt Ion:	178	Resp:	1212694
Ion Ratio	Lower	Upper	
178	100		
179	16.3	11.8	17.8
176	20.2	15.4	23.0





#74
 Anthracene
 Concen: 32.802 ng/uI
 RT: 17.860 min Scan# 2438
 Delta R.T. -0.002 min
 Lab File: BG057314.D
 Acq: 5 May 2023 11:32

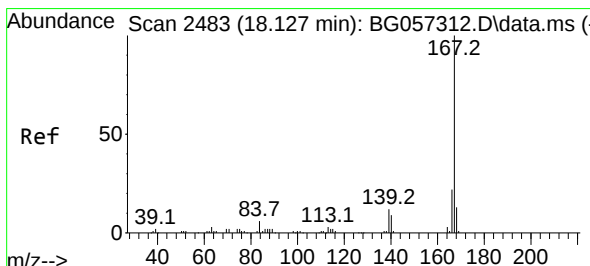
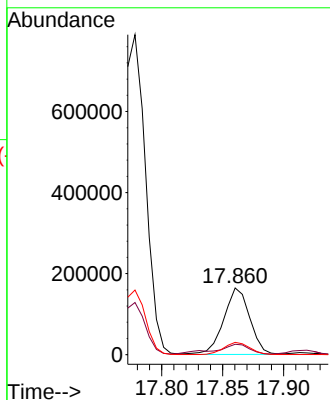
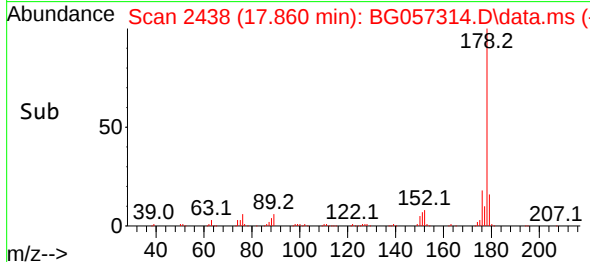
Instrument :
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 EW946



Tgt Ion:178 Resp: 244150
 Ion Ratio Lower Upper
 178 100
 179 15.6 12.5 18.7
 176 18.4 14.7 22.1

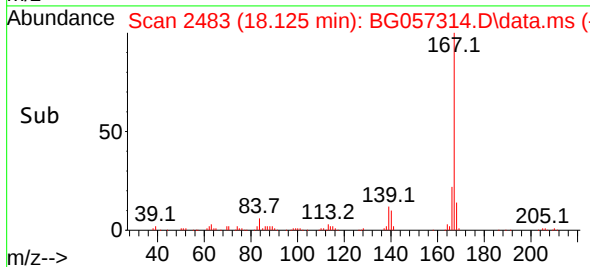
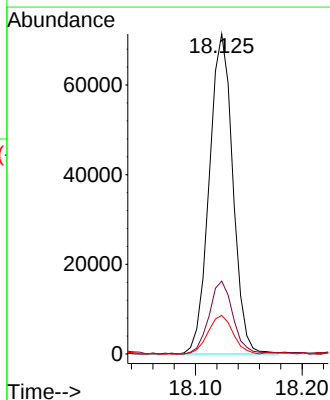
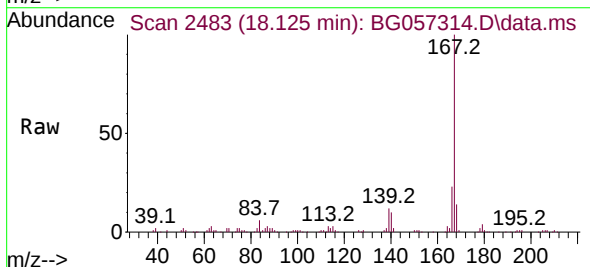
Manual Integrations
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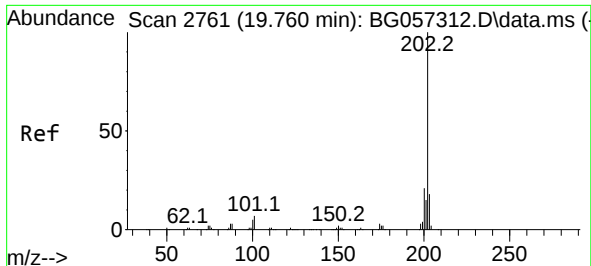
Reviewed By :Christian Giraldo 05/08/2023
 Supervised By :Jagrut Upadhyay 05/08/2023



#77
 Carbazole
 Concen: 17.627 ng/uI
 RT: 18.125 min Scan# 2483
 Delta R.T. -0.002 min
 Lab File: BG057314.D
 Acq: 5 May 2023 11:32

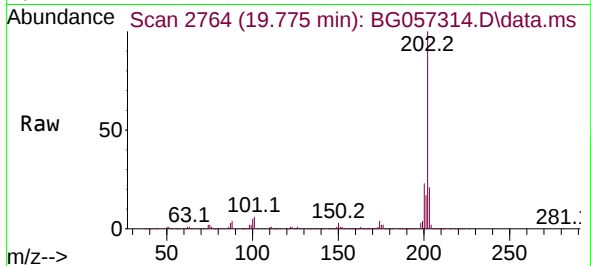
Tgt Ion:167 Resp: 109642
 Ion Ratio Lower Upper
 167 100
 166 22.7 18.0 27.0
 139 12.1 10.3 15.5





#80
Fluoranthene
Concen: 230.928 ng/u1
RT: 19.775 min Scan# 21
Delta R.T. 0.016 min
Lab File: BG057314.D
Acq: 5 May 2023 11:32

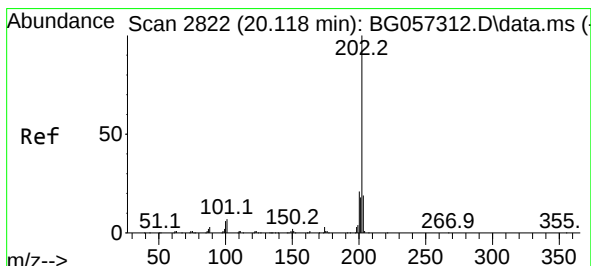
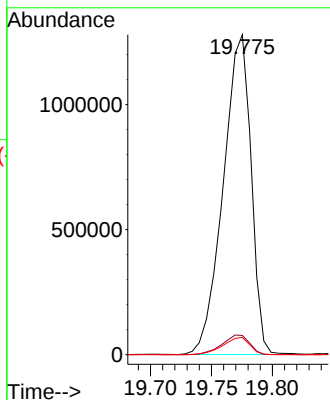
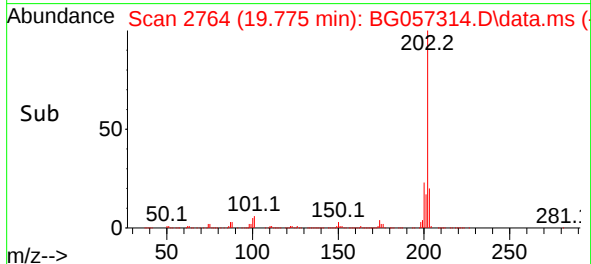
Instrument :
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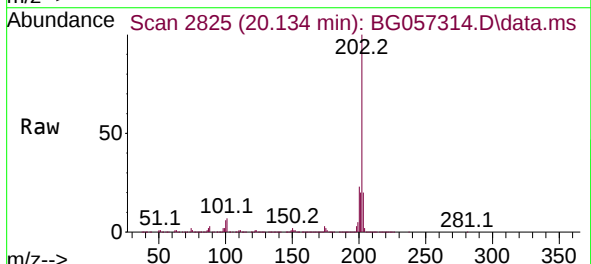
Tgt Ion:202 Resp: 2030249
Ion Ratio Lower Upper
202 100
101 6.0 5.8 8.6
100 5.4 4.6 7.0

Manual Integrations
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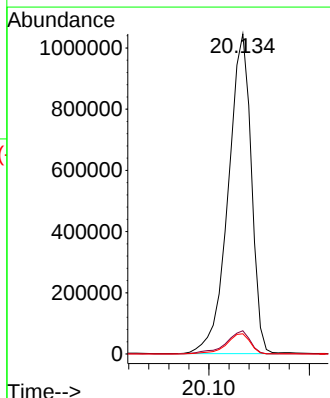
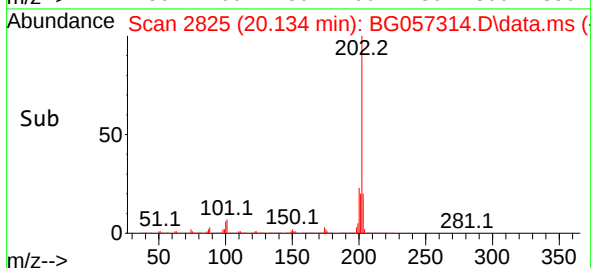
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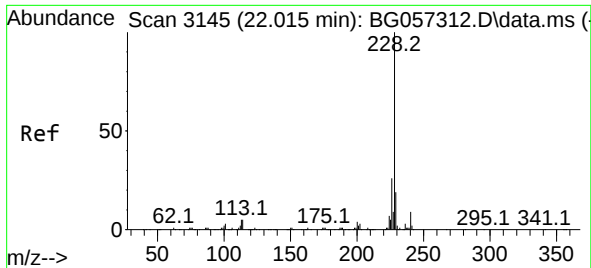


#82
Pyrene
Concen: 187.156 ng/u1
RT: 20.134 min Scan# 2825
Delta R.T. 0.016 min
Lab File: BG057314.D
Acq: 5 May 2023 11:32



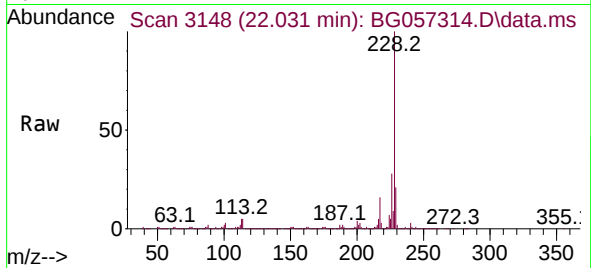
Tgt Ion:202 Resp: 1665720
Ion Ratio Lower Upper
202 100
101 7.3 5.7 8.5
100 6.3 6.0 9.0





#85
Benzo(a)anthracene
Concen: 113.376 ng/ul
RT: 22.031 min Scan# 3148
Delta R.T. 0.016 min
Lab File: BG057314.D
Acq: 5 May 2023 11:32

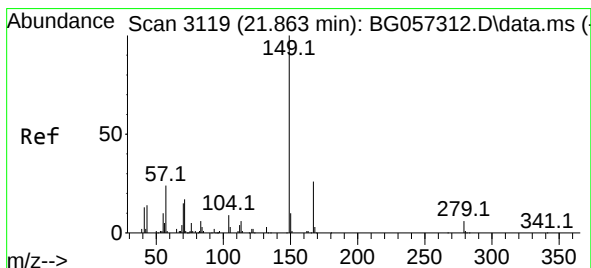
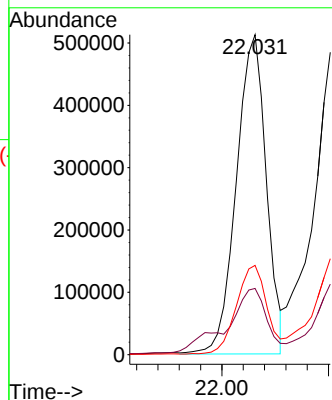
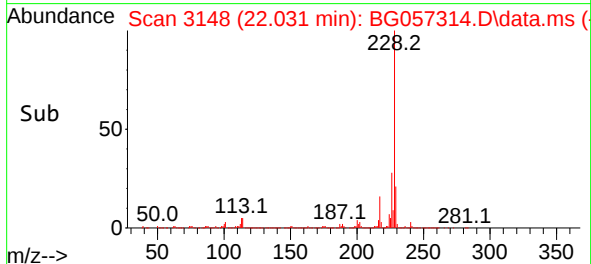
Instrument :
BNA_G
ClientSampleId :
EW946



Tgt Ion:228 Resp: 999819
Ion Ratio Lower Upper
228 100
229 20.7 15.8 23.6
226 27.9 21.7 32.5

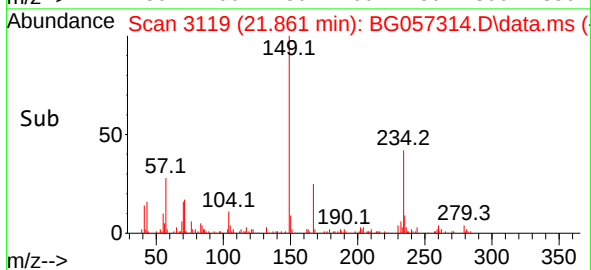
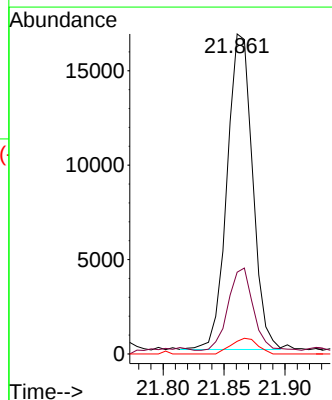
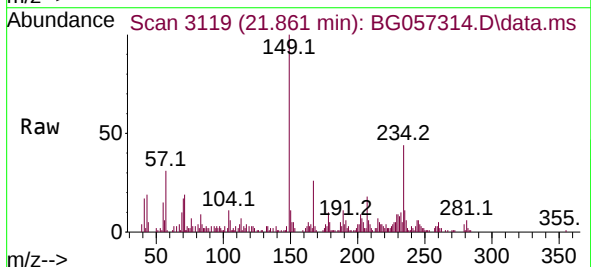
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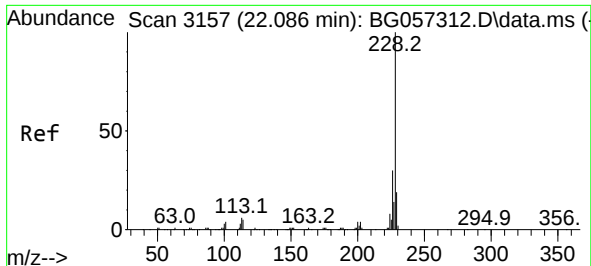
Reviewed By :Christian Giraldo 05/08/2023
Supervised By :Jagrut Upadhyay 05/08/2023



#86
Bis(2-ethylhexyl)phthalate
Concen: 5.864 ng/ul
RT: 21.861 min Scan# 3119
Delta R.T. -0.002 min
Lab File: BG057314.D
Acq: 5 May 2023 11:32

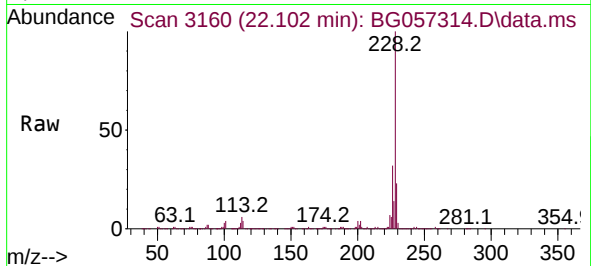
Tgt Ion:149 Resp: 24308
Ion Ratio Lower Upper
149 100
167 25.5 23.0 34.6
279 3.9 3.6 5.4





#87
Chrysene
Concen: 122.522 ng/ul m
RT: 22.102 min Scan# 3157
Delta R.T. 0.016 min
Lab File: BG057314.D
Acq: 5 May 2023 11:32

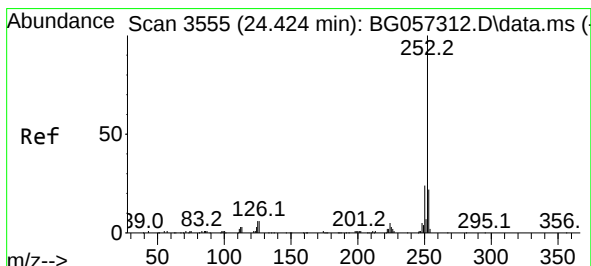
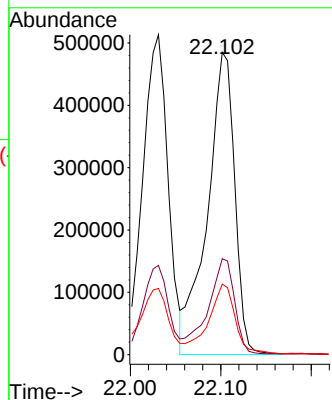
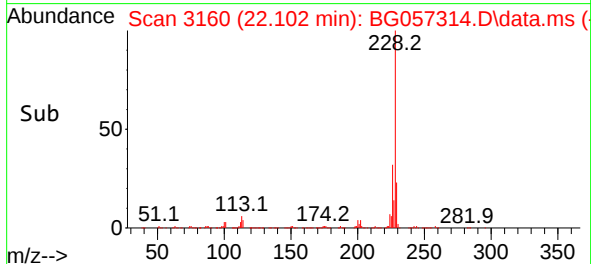
Instrument :
BNA_G
ClientSampleId :
EW946



Tgt Ion:228 Resp: 1019394
Ion Ratio Lower Upper
228 100
226 31.8 22.8 34.2
229 23.3 15.5 23.3

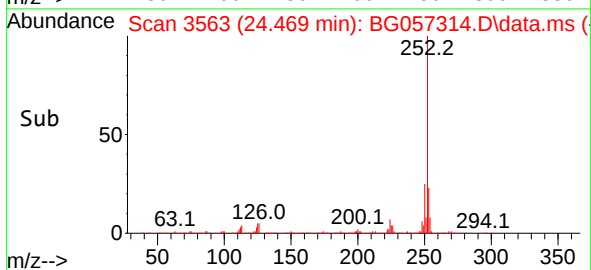
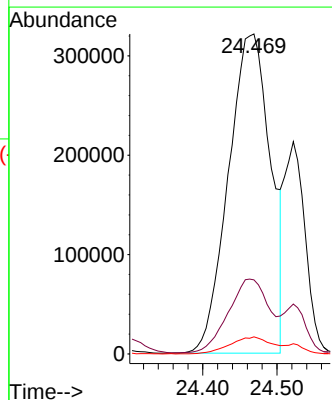
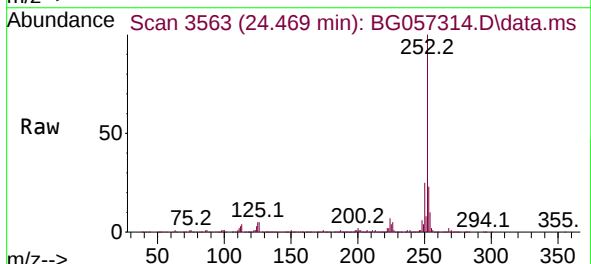
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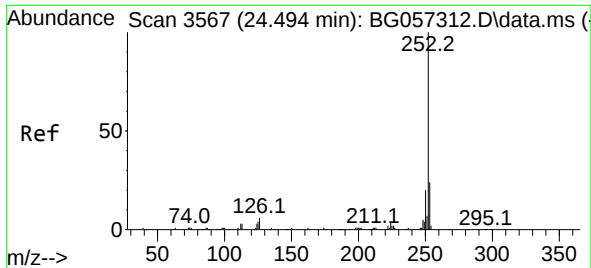
Reviewed By :Christian Giraldo 05/08/2023
Supervised By :Jagrut Upadhyay 05/08/2023



#90
Benzo(b)fluoranthene
Concen: 132.423 ng/ul
RT: 24.469 min Scan# 3563
Delta R.T. 0.045 min
Lab File: BG057314.D
Acq: 5 May 2023 11:32

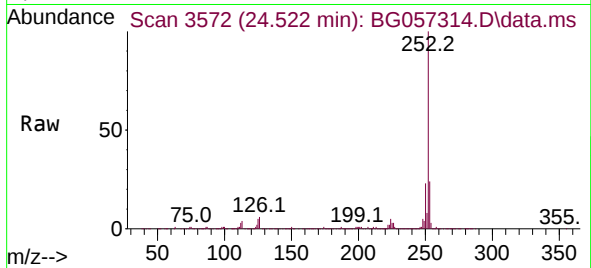
Tgt Ion:252 Resp: 1265182
Ion Ratio Lower Upper
252 100
253 23.1 16.7 25.1
125 5.4 4.8 7.2





#91
Benzo(k)fluoranthene
Concen: 44.241 ng/ul m
RT: 24.522 min Scan# 3
Delta R.T. 0.027 min
Lab File: BG057314.D
Acq: 5 May 2023 11:32

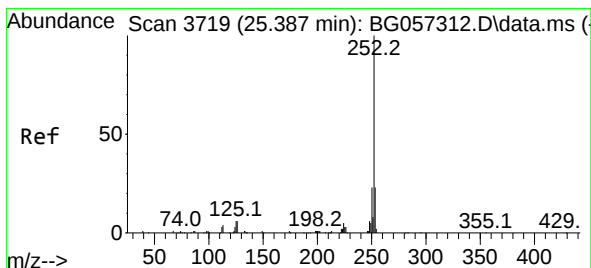
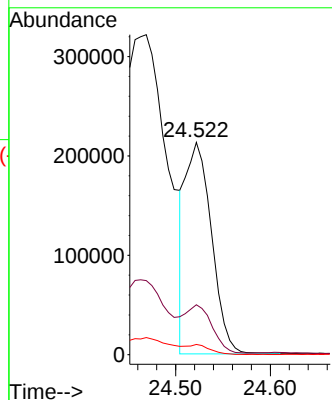
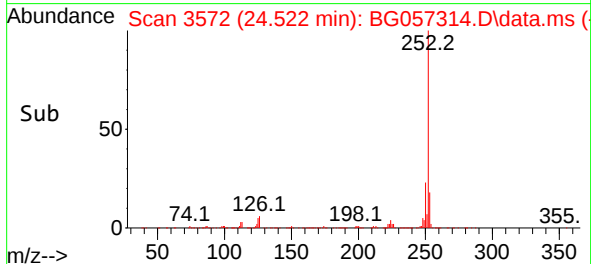
Instrument :
BNA_G
ClientSampleId :
EW946



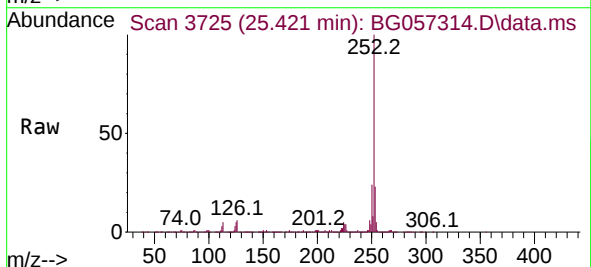
Tgt Ion:252 Resp: 41122
Ion Ratio Lower Upper
252 100
253 23.5 17.7 26.5
125 4.9 4.5 6.7

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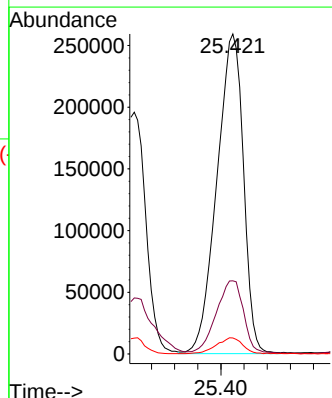
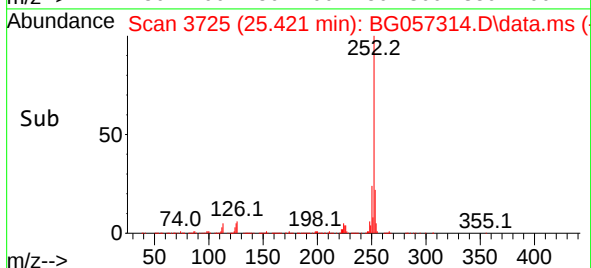
Reviewed By :Christian Giraldo 05/08/2023
Supervised By :Jagrut Upadhyay 05/08/2023

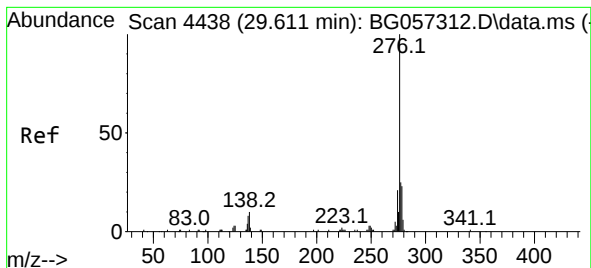


#93
Benzo(a)pyrene
Concen: 99.983 ng/ul m
RT: 25.421 min Scan# 3725
Delta R.T. 0.033 min
Lab File: BG057314.D
Acq: 5 May 2023 11:32



Tgt Ion:252 Resp: 824685
Ion Ratio Lower Upper
252 100
253 22.8 17.2 25.8
125 5.0 5.1 7.7#





#94

Indeno(1,2,3-cd)pyrene

Concen: 54.603 ng/ul

RT: 29.668 min Scan# 4448

Delta R.T. 0.057 min

Lab File: BG057314.D

Acq: 5 May 2023 11:32

Instrument :

BNA_G

ClientSampleId :

EW946

Tgt Ion:276 Resp: 56298

Ion Ratio Lower Upper

276 100

138 11.0 9.4 14.2

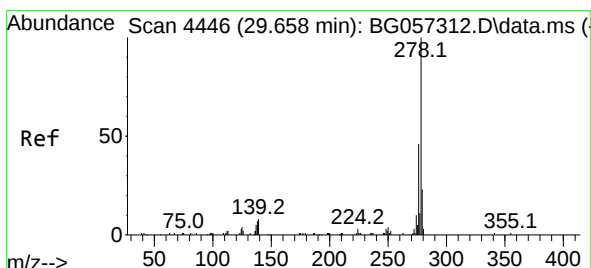
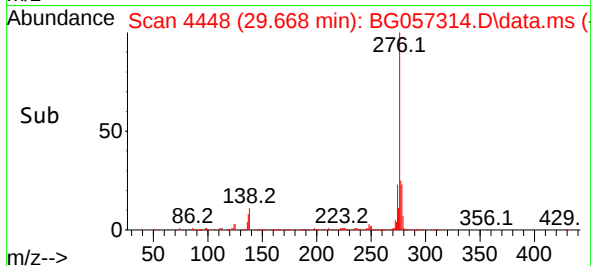
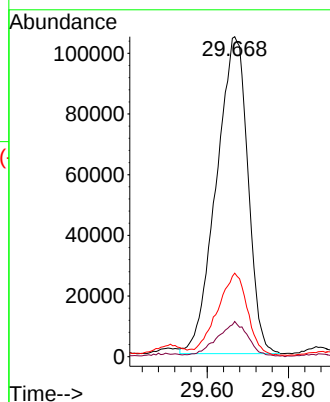
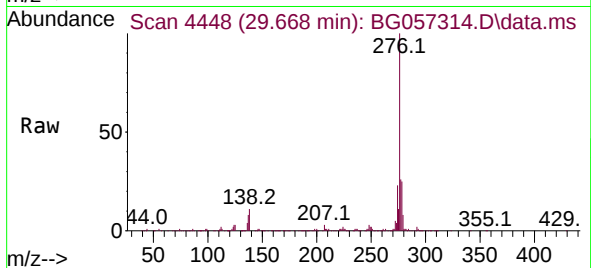
277 26.1 18.6 28.0

Manual Integrations

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Reviewed By :Christian Giraldo 05/08/2023

Supervised By :Jagrut Upadhyay 05/08/2023



#95

Dibenzo(a,h)anthracene

Concen: 20.352 ng/ul m

RT: 29.691 min Scan# 4452

Delta R.T. 0.033 min

Lab File: BG057314.D

Acq: 5 May 2023 11:32

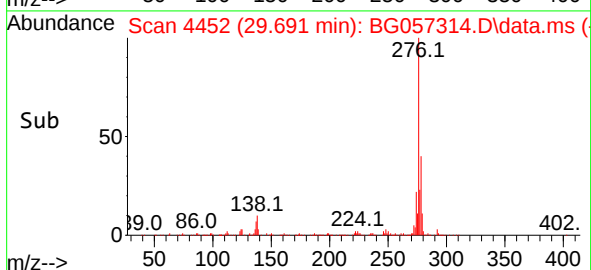
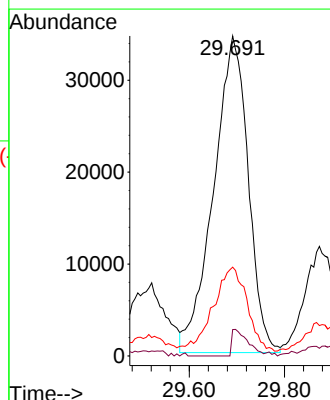
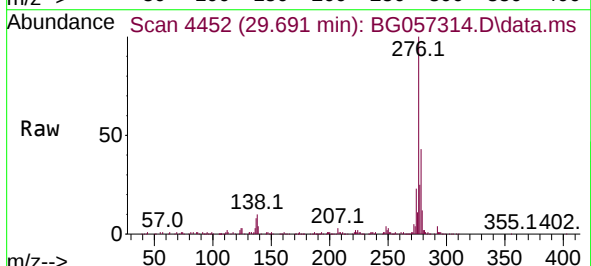
Tgt Ion:278 Resp: 173999

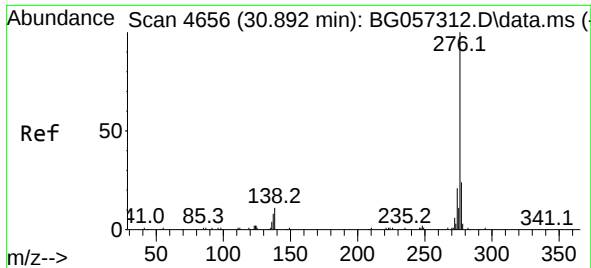
Ion Ratio Lower Upper

278 100

139 8.3 5.8 8.6

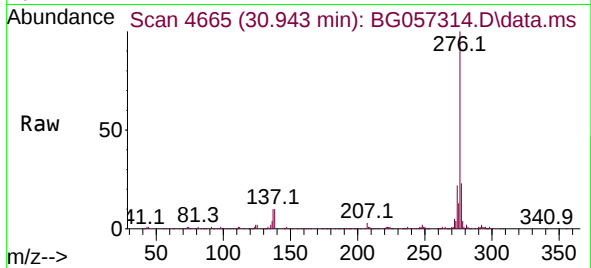
279 27.7 18.3 27.5#





#96
 Benzo(g,h,i)perylene
 Concen: 55.053 ng/ul
 RT: 30.943 min Scan# 4
 Delta R.T. 0.051 min
 Lab File: BG057314.D
 Acq: 5 May 2023 11:32

Instrument :
 BNA_G
 ClientSampleId :
 EW946



Tgt Ion:276 Resp: 459394
 Ion Ratio Lower Upper
 276 100
 138 9.9 8.7 13.1
 277 22.7 18.4 27.6

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

