

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG050523\
 Data File : BG057319.D
 Acq On : 5 May 2023 15:39
 Operator : CG/JU
 Sample : 02479-13DL 20X
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 EW976DL

Manual Integrations
 APPROVED

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

Quant Time: May 06 01:45:14 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	8.372	152	17278	20.000	ng/u1	0.00
20) Naphthalene-d8	11.215	136	78728	20.000	ng/u1	0.00
38) Acenaphthene-d10	14.987	164	62398	20.000	ng/u1	0.00
64) Phenanthrene-d10	17.730	188	142704	20.000	ng/u1	0.00
79) Chrysene-d12	22.042	240	118193	20.000	ng/u1	0.00
88) Perylene-d12	25.560	264	130344	20.000	ng/u1	0.00
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	7.520	99	661	0.405	ng/u1	0.00
9) Bis-(2-Chloroethyl)eth...	7.679	67	450	0.468	ng/u1	0.00
11) 2-Chlorophenol-d4	7.902	132	569	0.528	ng/u1	0.00
15) 4-Methylphenol-d8	9.089	113	541	0.436	ng/u1	0.01
21) Nitrobenzene-d5	9.547	128	269	0.429	ng/u1	0.00
24) 2-Nitrophenol-d4	0.000	143	0d	0.000	ng/u1	
28) 2,4-Dichlorophenol-d3	10.839	165	745	0.528	ng/u1	0.01
31) 4-Chloroaniline-d4	0.000	131	0	0.000	ng/u1	
46) Dimethylphthalate-d6	14.370	166	3429	0.694	ng/u1	0.00
49) Acenaphthylene-d8	14.687	160	3867	0.696	ng/u1	0.00
54) 4-Nitrophenol-d4	0.000	143	0	0.000	ng/u1	
60) Fluorene-d10	15.973	176	3142	0.682	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	0.000	200	0	0.000	ng/u1	
73) Anthracene-d10	17.824	188	5198	0.798	ng/u1	0.00
81) Pyrene-d10	20.091	212	5564	0.793	ng/u1	0.00
92) Benzo(a)pyrene-d12	25.314	264	5352	0.806	ng/u1	0.00
Target Compounds						
					Qvalue	
52) Acenaphthene	15.051	153	7934	1.972	ng/u1	97
56) Dibenzofuran	15.380	168	6458	1.112	ng/u1	93
61) Fluorene	16.026	166	9668	1.968	ng/u1	97
72) Phenanthrene	17.771	178	171963	23.140	ng/u1	99
74) Anthracene	17.859	178	40514	5.427	ng/u1	97
77) Carbazole	18.123	167	13656	2.189	ng/u1	96
80) Fluoranthene	19.762	202	338254	40.589	ng/u1	97
82) Pyrene	20.121	202	282410	33.475	ng/u1#	98
85) Benzo(a)anthracene	22.018	228	141851	16.969	ng/u1	97
87) Chrysene	22.095	228	137818	17.475	ng/u1	98
90) Benzo(b)fluoranthene	24.438	252	184587	20.450	ng/u1	98
91) Benzo(k)fluoranthene	24.497	252	60900	6.935	ng/u1	100
93) Benzo(a)pyrene	25.396	252	119054m	15.278	ng/u1	
94) Indeno(1,2,3-cd)pyrene	29.620	276	83507	8.573	ng/u1	94
95) Dibenzo(a,h)anthracene	29.655	278	23755m	2.941	ng/u1	
96) Benzo(g,h,i)perylene	30.906	276	72492	9.195	ng/u1	100

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

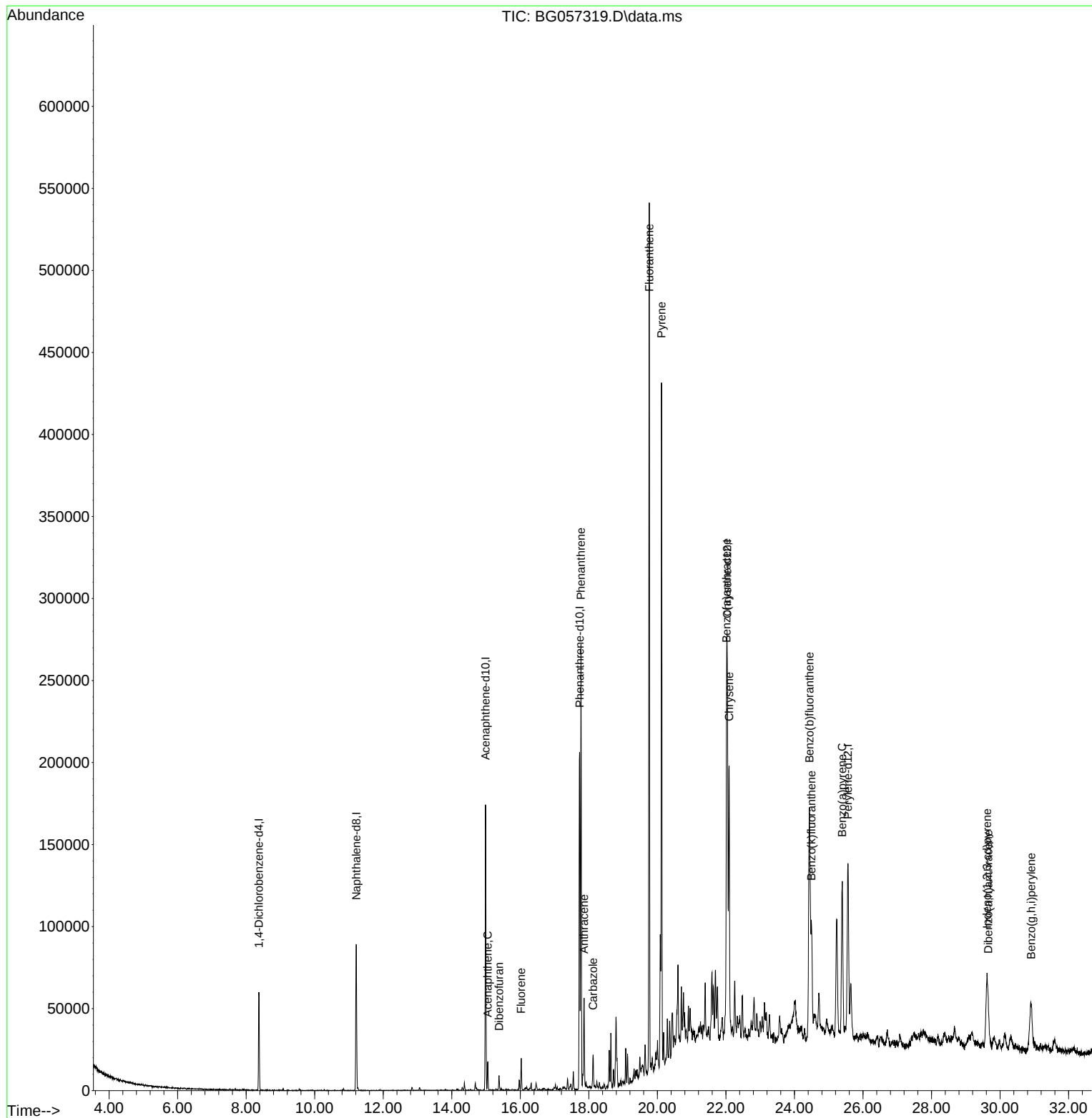
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG050523\
Data File : BG057319.D
Acq On : 5 May 2023 15:39
Operator : CG/JU
Sample : 02479-13DL 20X
Misc :
ALS Vial : 9 Sample Multiplier: 1

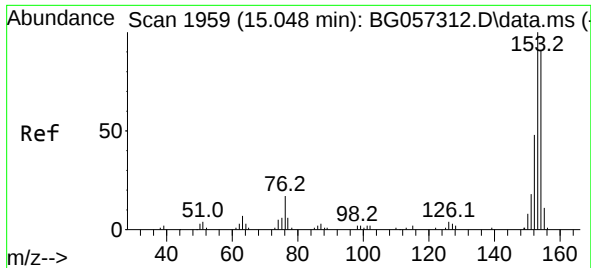
Instrument :
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ClientSampleId :
EW976DL

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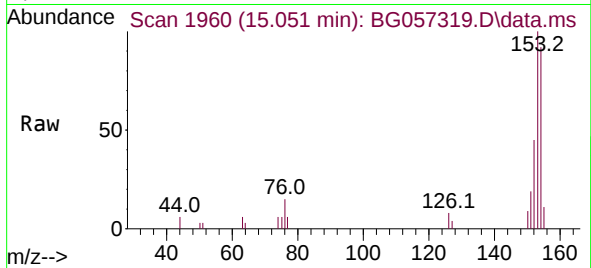
Quant Time: May 06 01:45:14 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG042823.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Fri May 05 11:20:08 2023
Response via : Initial Calibration





#52
Acenaphthene
Concen: 1.972 ng/ul
RT: 15.051 min Scan# 1959
Delta R.T. 0.003 min
Lab File: BG057319.D
Acq: 5 May 2023 15:39

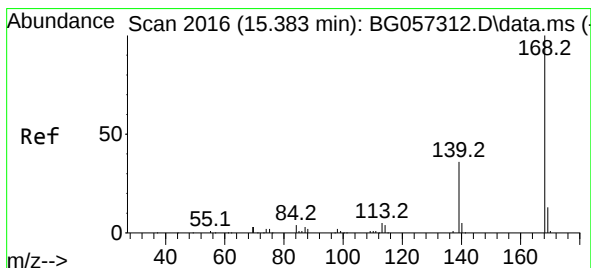
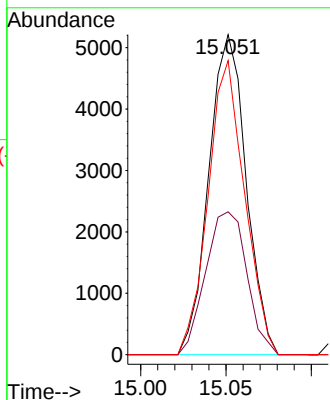
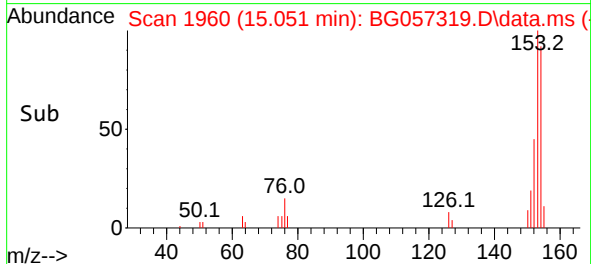
Instrument :
BNA_G
ClientSampleId :
EW976DL



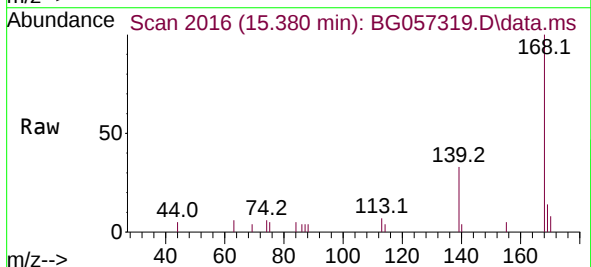
Tgt Ion:153 Resp: 7934
Ion Ratio Lower Upper
153 100
152 44.7 36.5 54.7
154 91.9 70.6 106.0

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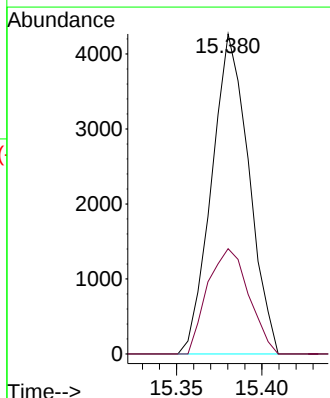
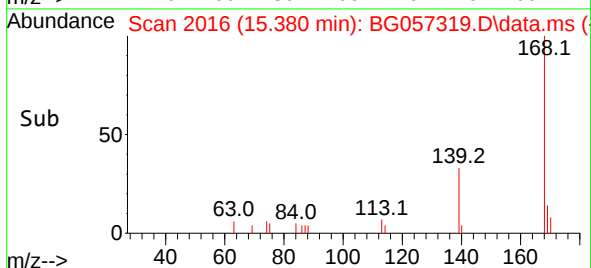
Reviewed By :Christian Giraldo 05/08/2023
Supervised By :Jagrut Upadhyay 05/08/2023

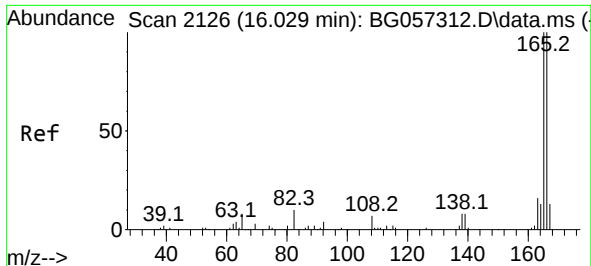


#56
Dibenzofuran
Concen: 1.112 ng/ul
RT: 15.380 min Scan# 2016
Delta R.T. -0.003 min
Lab File: BG057319.D
Acq: 5 May 2023 15:39



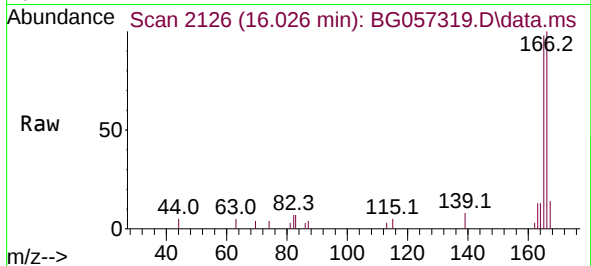
Tgt Ion:168 Resp: 6458
Ion Ratio Lower Upper
168 100
139 32.9 29.6 44.4





#61
Fluorene
Concen: 1.968 ng/ul
RT: 16.026 min Scan# 2126
Delta R.T. -0.003 min
Lab File: BG057319.D
Acq: 5 May 2023 15:39

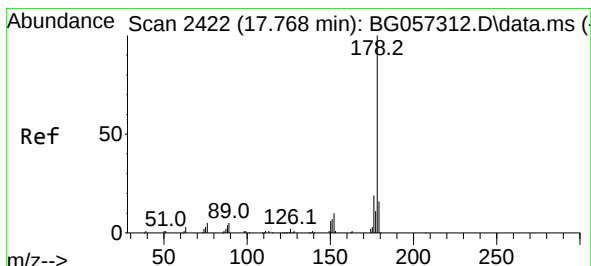
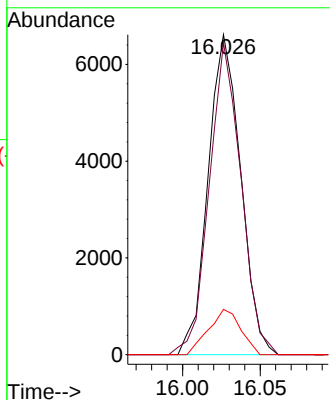
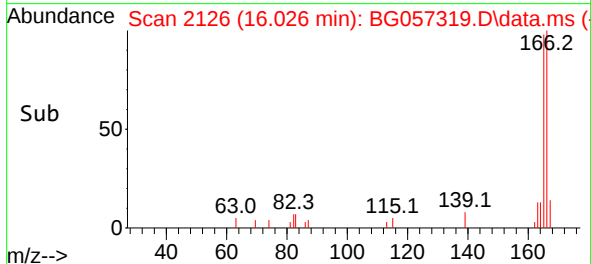
Instrument :
BNA_G
ClientSampleId :
EW976DL



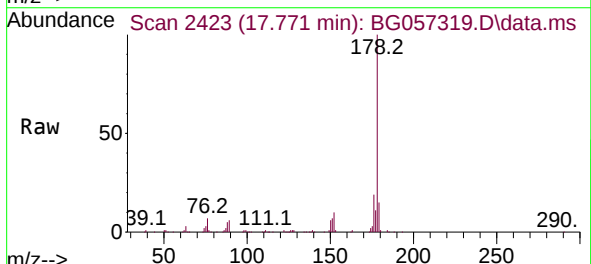
Tgt Ion:166 Resp: 966
Ion Ratio Lower Upper
166 100
165 97.5 80.1 120.1
167 14.1 10.2 15.4

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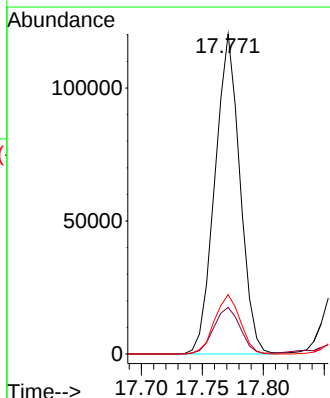
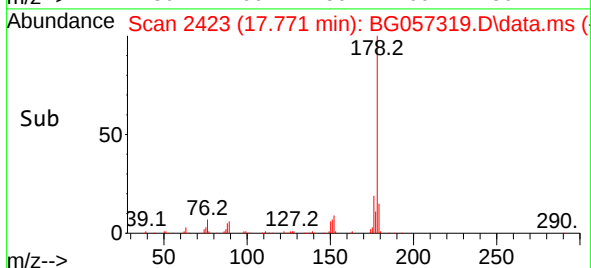
Reviewed By :Christian Giraldo 05/08/2023
Supervised By :Jagrut Upadhyay 05/08/2023

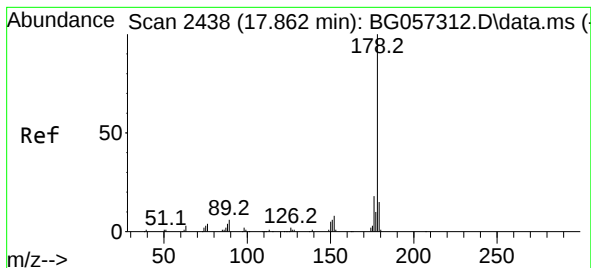


#72
Phenanthrene
Concen: 23.140 ng/ul
RT: 17.771 min Scan# 2423
Delta R.T. 0.003 min
Lab File: BG057319.D
Acq: 5 May 2023 15:39



Tgt Ion:178 Resp: 171963
Ion Ratio Lower Upper
178 100
179 14.5 11.8 17.8
176 18.5 15.4 23.0





#74

Anthracene

Concen: 5.427 ng/ul

RT: 17.859 min Scan# 2438

Delta R.T. -0.003 min

Lab File: BG057319.D

Acq: 5 May 2023 15:39

Instrument :

BNA_G

ClientSampleId :

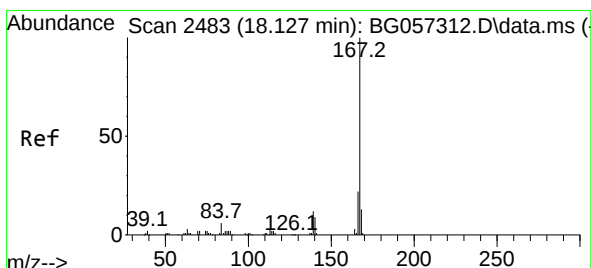
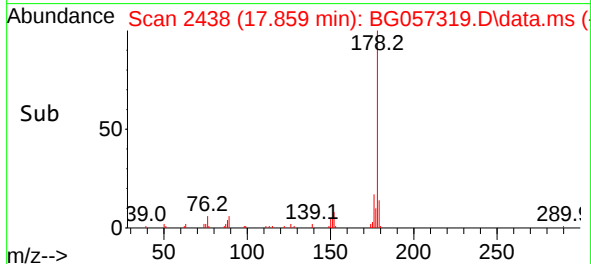
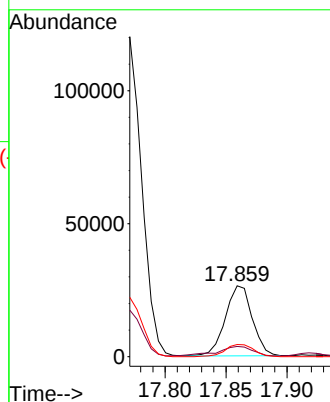
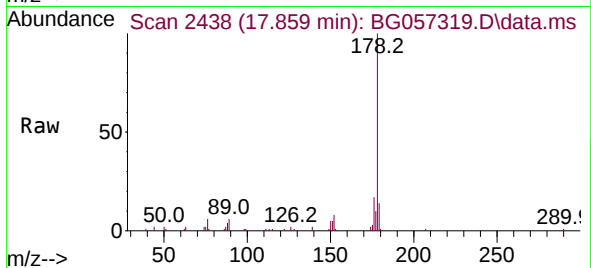
EW976DL

Tgt Ion:	178	Resp:	40514
Ion Ratio	Lower	Upper	
178	100		
179	14.3	12.5	18.7
176	17.1	14.7	22.1

Manual Integrations

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Supervised By :Jagrut Upadhyay 05/08/2023



#77

Carbazole

Concen: 2.189 ng/ul

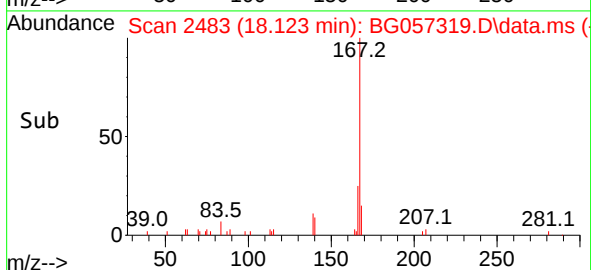
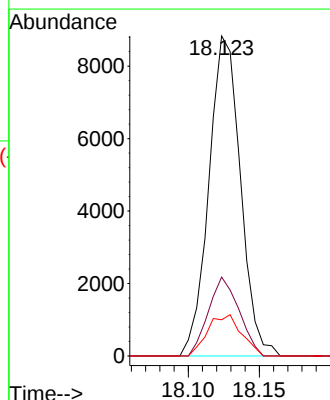
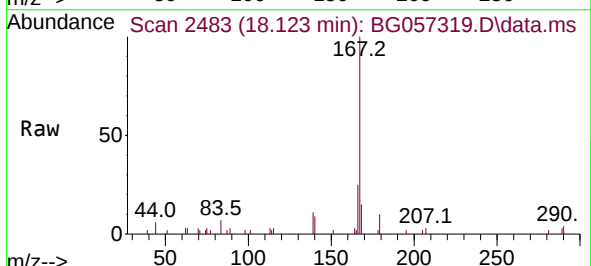
RT: 18.123 min Scan# 2483

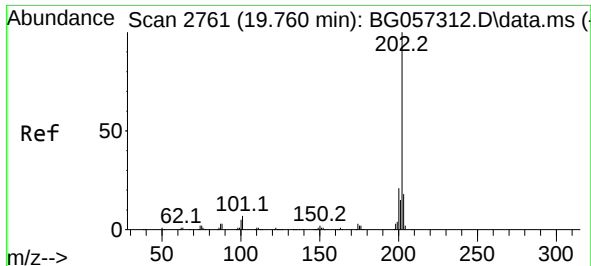
Delta R.T. -0.003 min

Lab File: BG057319.D

Acq: 5 May 2023 15:39

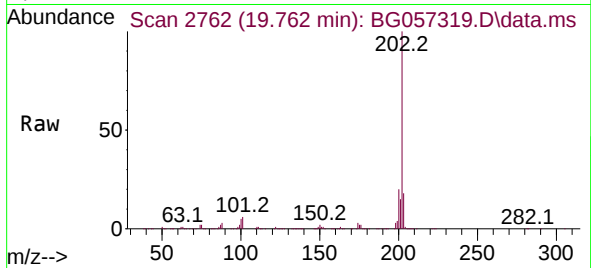
Tgt Ion:	167	Resp:	13656
Ion Ratio	Lower	Upper	
167	100		
166	24.6	18.0	27.0
139	11.3	10.3	15.5





#80
Fluoranthene
Concen: 40.589 ng/u1
RT: 19.762 min Scan# 21
Delta R.T. 0.003 min
Lab File: BG057319.D
Acq: 5 May 2023 15:39

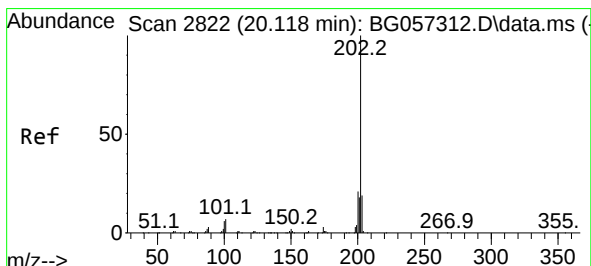
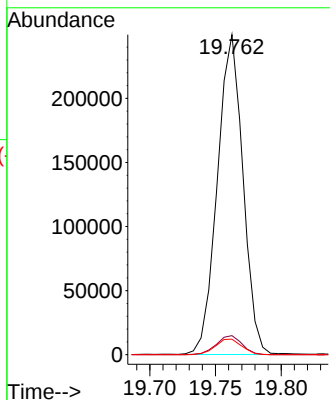
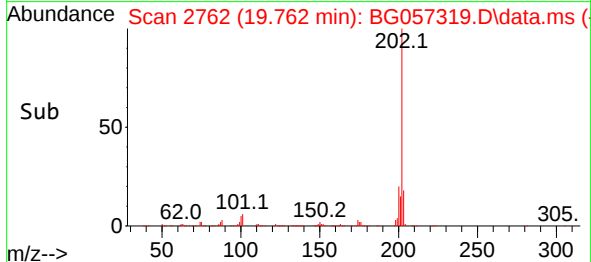
Instrument :
BNA_G
ClientSampleId :
EW976DL



Tgt Ion:202 Resp: 338254
Ion Ratio Lower Upper
202 100
101 6.0 5.8 8.6
100 4.9 4.6 7.0

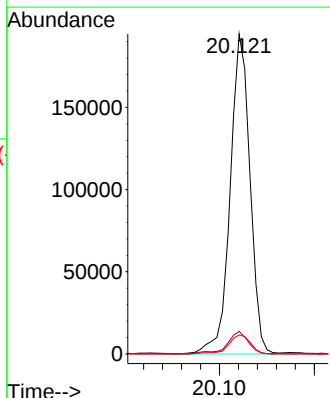
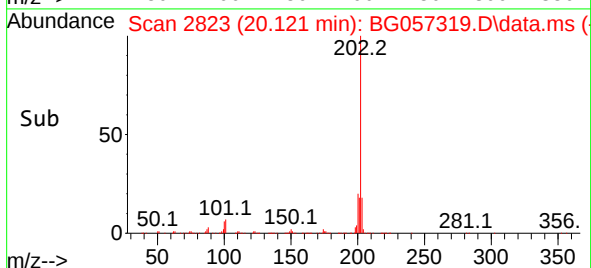
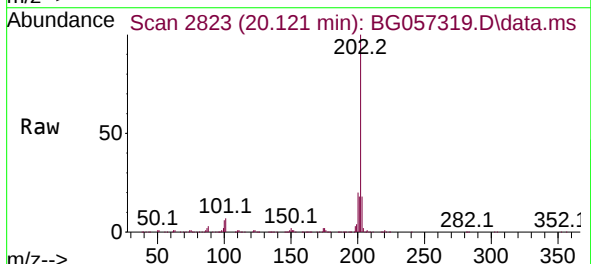
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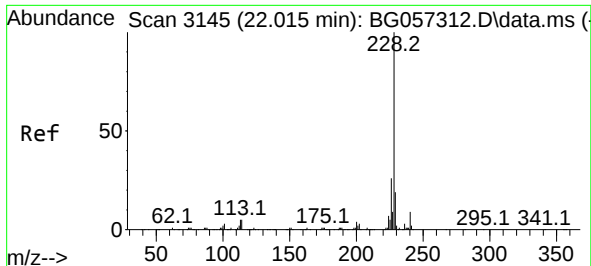
Reviewed By :Christian Giraldo 05/08/2023
Supervised By :Jagrut Upadhyay 05/08/2023



#82
Pyrene
Concen: 33.475 ng/u1
RT: 20.121 min Scan# 2823
Delta R.T. 0.003 min
Lab File: BG057319.D
Acq: 5 May 2023 15:39

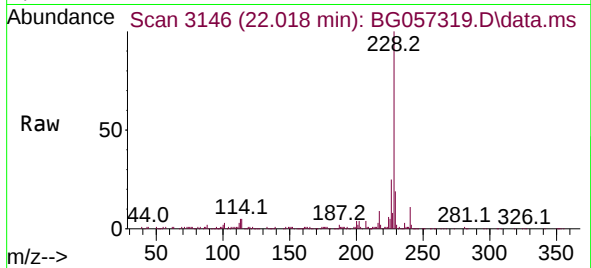
Tgt Ion:202 Resp: 282410
Ion Ratio Lower Upper
202 100
101 7.1 5.7 8.5
100 6.0 6.0 9.0#





#85
Benzo(a)anthracene
Concen: 16.969 ng/u1
RT: 22.018 min Scan# 3145
Delta R.T. 0.003 min
Lab File: BG057319.D
Acq: 5 May 2023 15:39

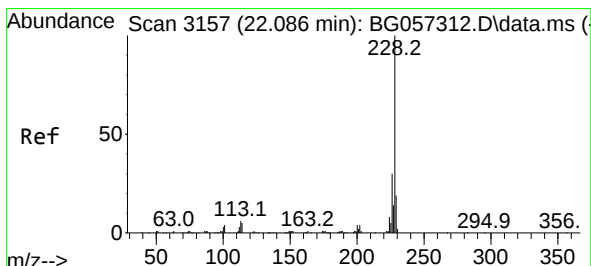
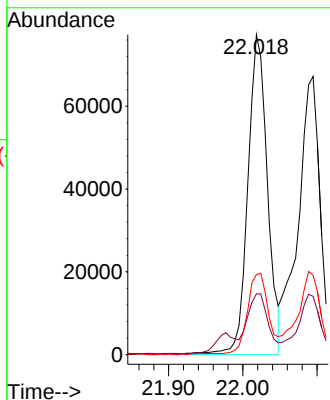
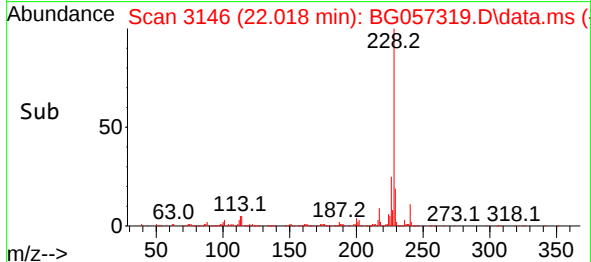
Instrument :
BNA_G
ClientSampleId :
EW976DL



Tgt Ion:228 Resp: 14185
Ion Ratio Lower Upper
228 100
229 19.0 15.8 23.6
226 25.1 21.7 32.5

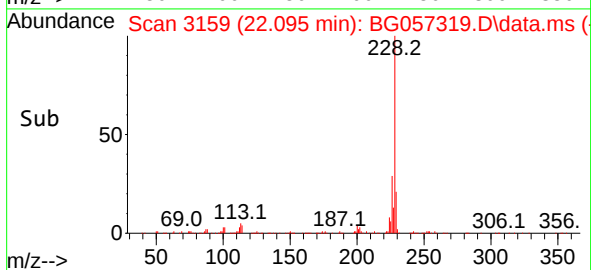
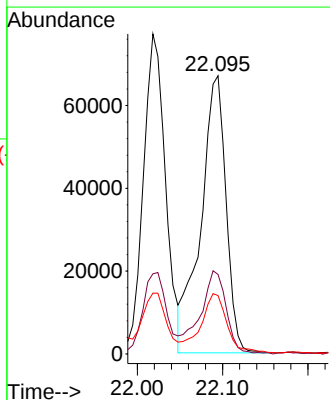
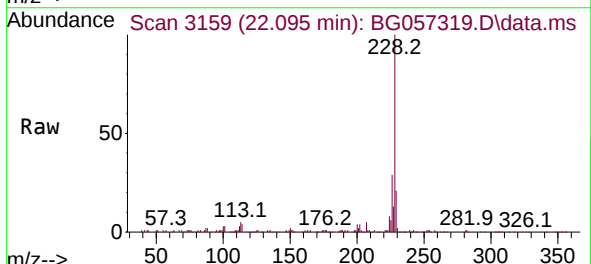
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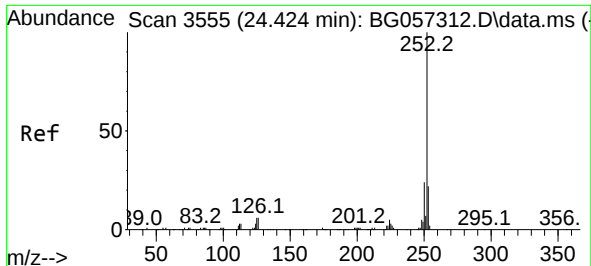
Reviewed By :Christian Giraldo 05/08/2023
Supervised By :Jagrut Upadhyay 05/08/2023



#87
Chrysene
Concen: 17.475 ng/u1
RT: 22.095 min Scan# 3159
Delta R.T. 0.009 min
Lab File: BG057319.D
Acq: 5 May 2023 15:39

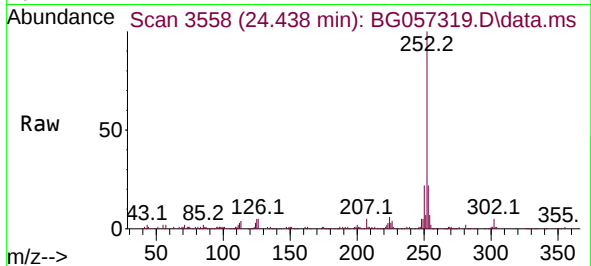
Tgt Ion:228 Resp: 137818
Ion Ratio Lower Upper
228 100
226 28.6 22.8 34.2
229 21.0 15.5 23.3





#90
Benzo(b)fluoranthene
Concen: 20.450 ng/u1
RT: 24.438 min Scan# 3558
Delta R.T. 0.014 min
Lab File: BG057319.D
Acq: 5 May 2023 15:39

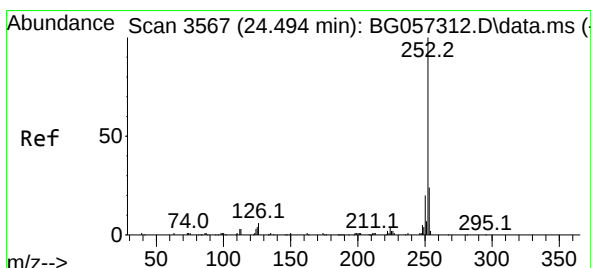
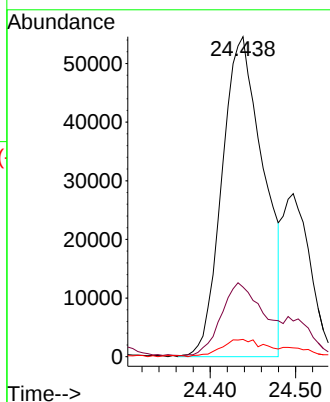
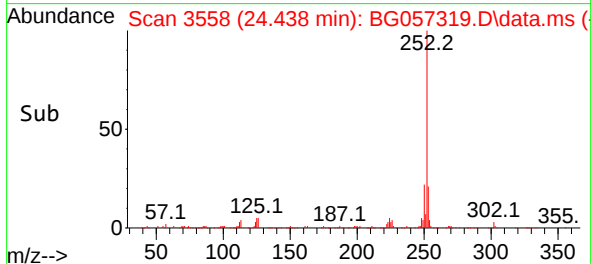
Instrument :
BNA_G
ClientSampleId :
EW976DL



Tgt Ion:252 Resp: 18458
Ion Ratio Lower Upper
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253 21.7 16.7 25.1
125 5.4 4.8 7.2

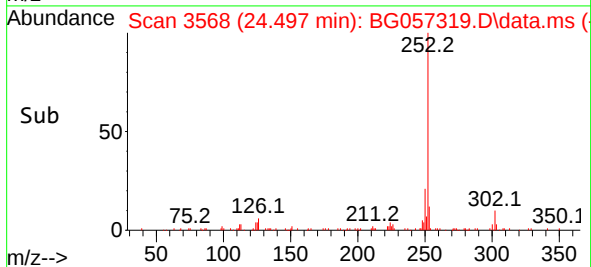
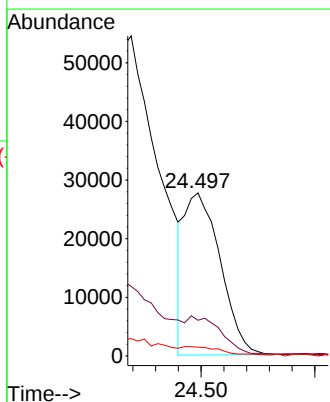
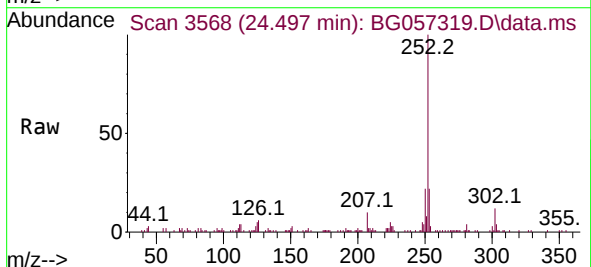
Manual Integrations
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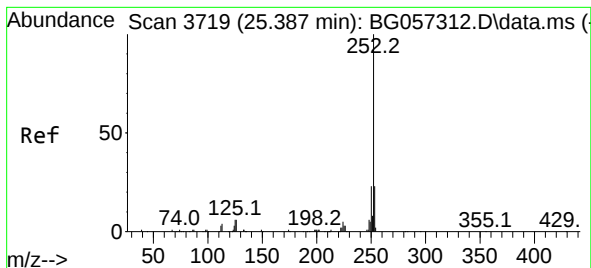
Reviewed By :Christian Giraldo 05/08/2023
Supervised By :Jagrut Upadhyay 05/08/2023



#91
Benzo(k)fluoranthene
Concen: 6.935 ng/u1
RT: 24.497 min Scan# 3568
Delta R.T. 0.003 min
Lab File: BG057319.D
Acq: 5 May 2023 15:39

Tgt Ion:252 Resp: 60900
Ion Ratio Lower Upper
252 100
253 21.9 17.7 26.5
125 5.4 4.5 6.7





#93

Benzo(a)pyrene

Concen: 15.278 ng/ul m

RT: 25.396 min Scan# 3

Delta R.T. 0.009 min

Lab File: BG057319.D

Acq: 5 May 2023 15:39

Instrument :

BNA_G

ClientSampleId :

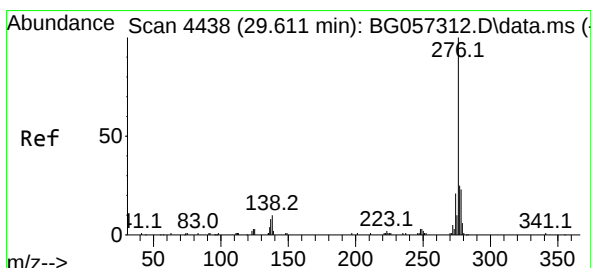
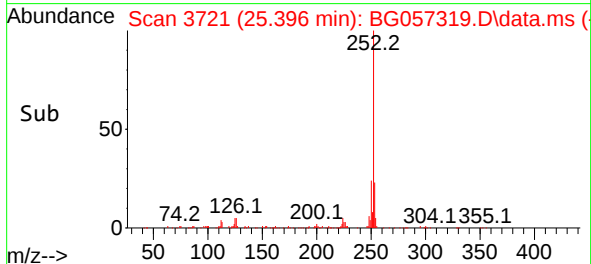
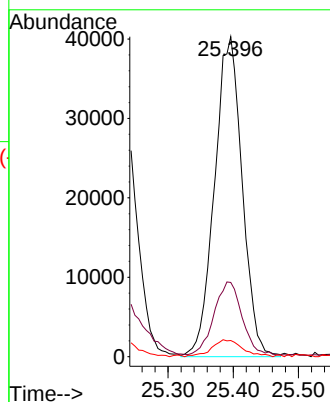
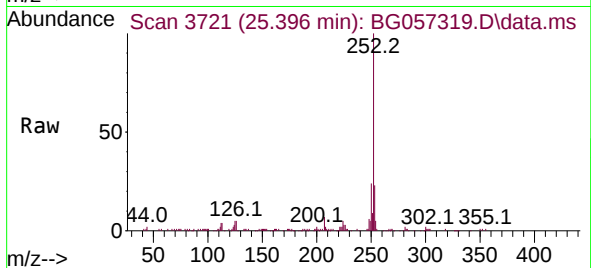
EW976DL

Tgt Ion:252 Resp: 119054
 Ion Ratio Lower Upper
 252 100
 253 23.2 17.2 25.8
 125 5.1 5.1 7.7

Manual Integrations

APPROVED

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



#94

Indeno(1,2,3-cd)pyrene

Concen: 8.573 ng/ul

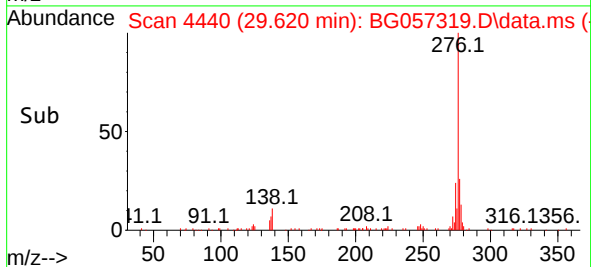
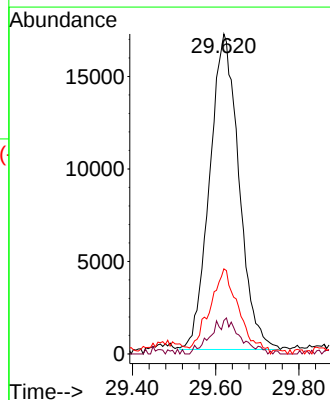
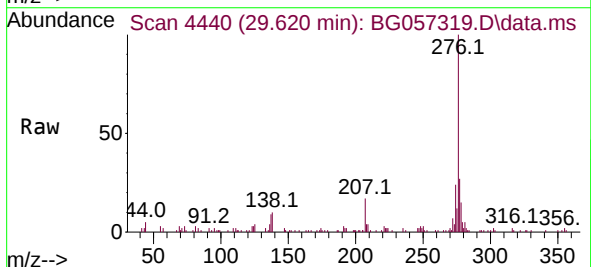
RT: 29.620 min Scan# 4440

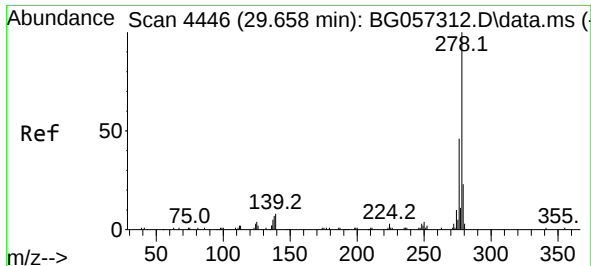
Delta R.T. 0.009 min

Lab File: BG057319.D

Acq: 5 May 2023 15:39

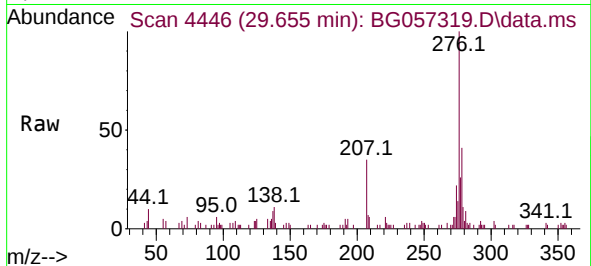
Tgt Ion:276 Resp: 83507
 Ion Ratio Lower Upper
 276 100
 138 10.5 9.4 14.2
 277 26.6 18.6 28.0





#95
Dibenzo(a,h)anthracene
Concen: 2.941 ng/ul m
RT: 29.655 min Scan# 4446
Delta R.T. -0.003 min
Lab File: BG057319.D
Acq: 5 May 2023 15:39

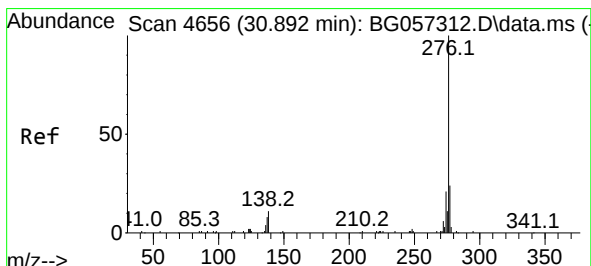
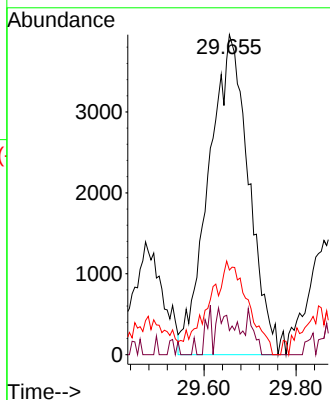
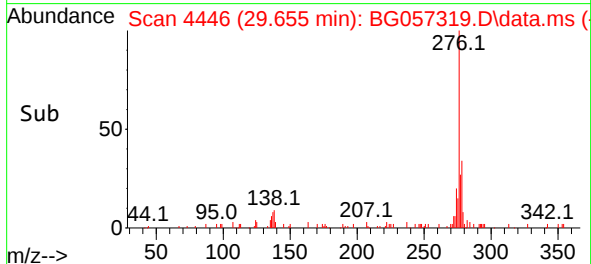
Instrument :
BNA_G
ClientSampleId :
EW976DL



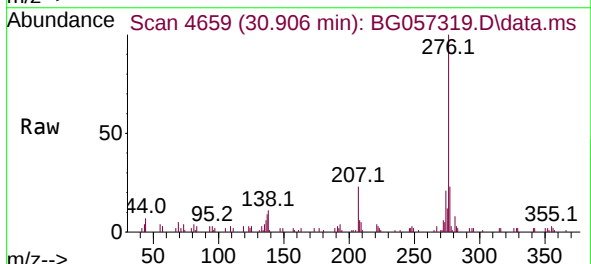
Tgt Ion:278 Resp: 2375
Ion Ratio Lower Upper
278 100
139 7.5 5.8 8.6
279 26.4 18.3 27.5

Manual Integrations
APPROVED

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



#96
Benzo(g,h,i)perylene
Concen: 9.195 ng/ul
RT: 30.906 min Scan# 4659
Delta R.T. 0.014 min
Lab File: BG057319.D
Acq: 5 May 2023 15:39



Tgt Ion:276 Resp: 72492
Ion Ratio Lower Upper
276 100
138 10.9 8.7 13.1
277 22.7 18.4 27.6

