

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG053023\
 Data File : BG057610.D
 Acq On : 30 May 2023 17:29
 Operator : CG/JU
 Sample : 02955-02
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 DUP02

Manual Integrations
 APPROVED

Reviewed By :Christian Giraldo 05/31/2023
 Supervised By :Yogesh Patel 06/01/2023

Quant Time: May 31 03:28:56 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG052723.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed May 31 03:25:39 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.338	152	19566	20.000	ng	0.00
21) Naphthalene-d8	11.175	136	85797	20.000	ng	# 0.00
39) Acenaphthene-d10	14.958	164	70555	20.000	ng	0.00
64) Phenanthrene-d10	17.696	188	179035	20.000	ng	0.00
76) Chrysene-d12	22.002	240	158366	20.000	ng	0.00
86) Perylene-d12	25.497	264	172005	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.859	112	121814	108.161	ng	0.00
7) Phenol-d6	7.486	99	189696	107.627	ng	0.00
23) Nitrobenzene-d5	9.519	82	115599	62.984	ng	0.00
42) 2,4,6-Tribromophenol	16.445	330	106546	94.321	ng	0.00
45) 2-Fluorobiphenyl	13.578	172	292489	59.576	ng	0.00
79) Terphenyl-d14	20.263	244	544308	59.537	ng	0.00
Target Compounds						Qvalue
49) Acenaphthylene	14.688	152	38110m	5.925	ng	
52) Acenaphthene	15.017	154	11303	2.872	ng	93
55) Dibenzofuran	15.352	168	16293	2.423	ng	97
58) Fluorene	15.998	166	23111	4.070	ng	98
71) Phenanthrene	17.737	178	86106	9.398	ng	98
72) Anthracene	17.831	178	41526	4.418	ng	97
75) Fluoranthene	19.734	202	562180	47.266	ng	99
78) Pyrene	20.093	202	561464	49.793	ng	99
81) Benzo(a)anthracene	21.984	228	391275	35.613	ng	96
83) Chrysene	22.055	228	371659	35.796	ng	98
87) Indeno(1,2,3-cd)pyrene	29.539	276	302284	25.207	ng	98
88) Benzo(b)fluoranthene	24.381	252	630974	59.597	ng	99
89) Benzo(k)fluoranthene	24.446	252	198811m	18.606	ng	
90) Benzo(a)pyrene	25.338	252	417290	40.415	ng	98
91) Dibenzo(a,h)anthracene	29.568	278	96066	9.625	ng	96
92) Benzo(g,h,i)perylene	30.808	276	271251	27.867	ng	97

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

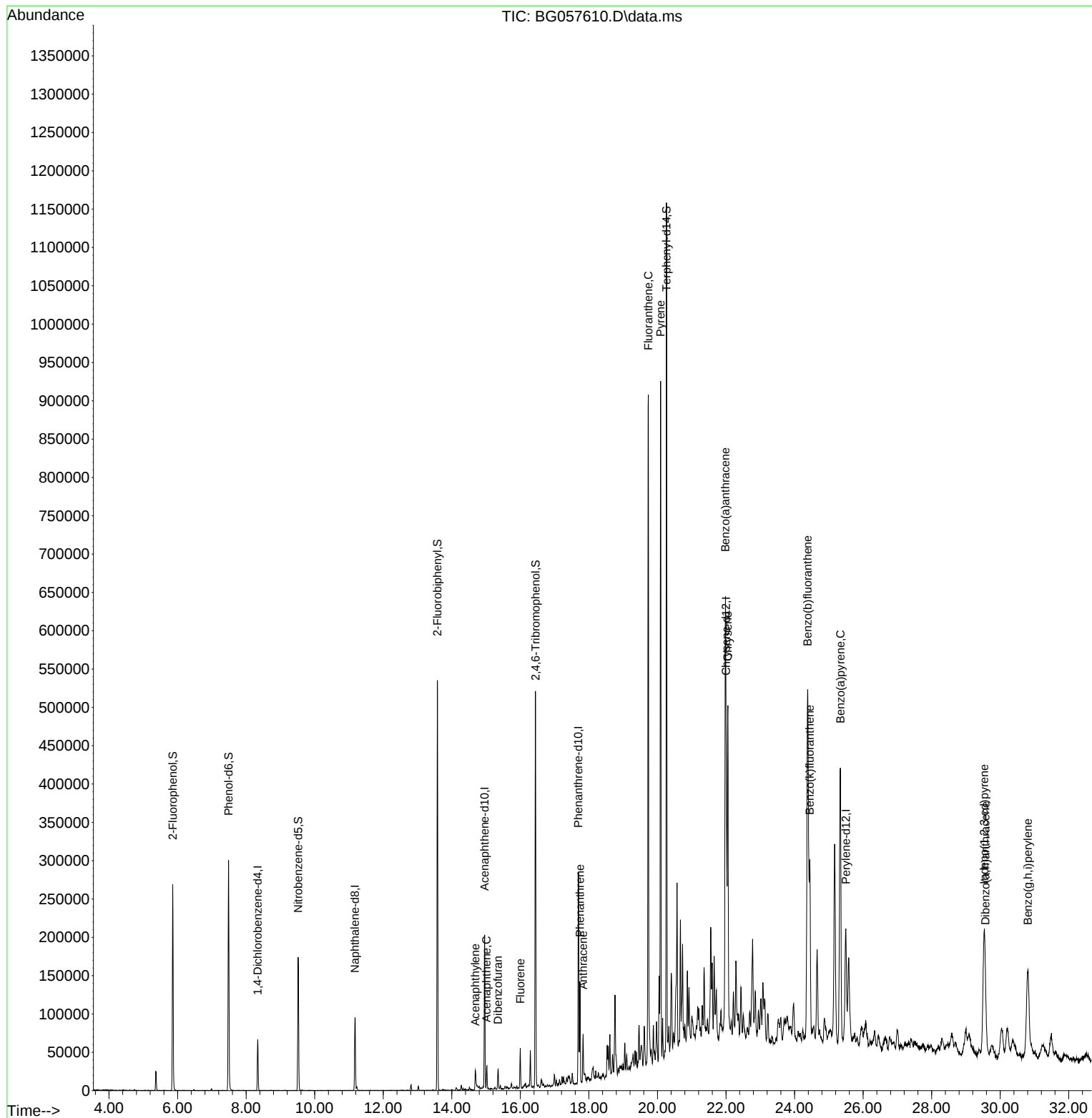
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG053023\
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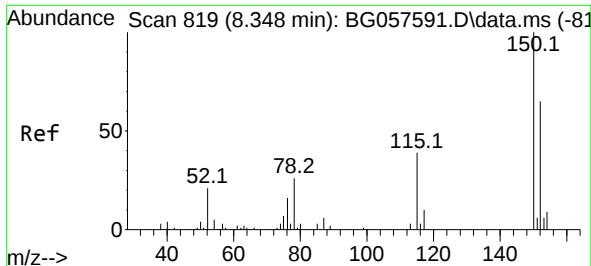
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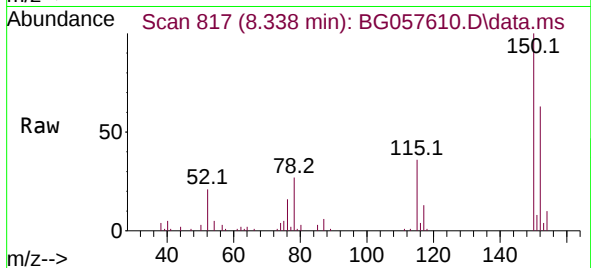
Reviewed By : Christian Giraldo 05/31/2023
Supervised By : Yogesh Patel 06/01/2023





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.338 min Scan# 819
Delta R.T. -0.006 min
Lab File: BG057610.D
Acq: 30 May 2023 17:29

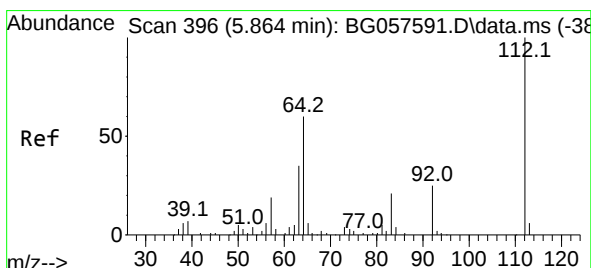
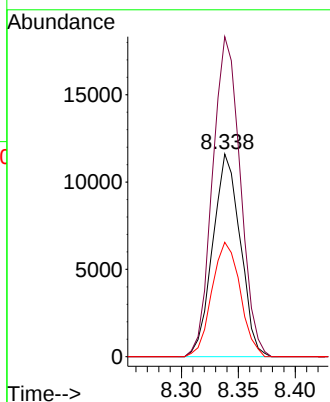
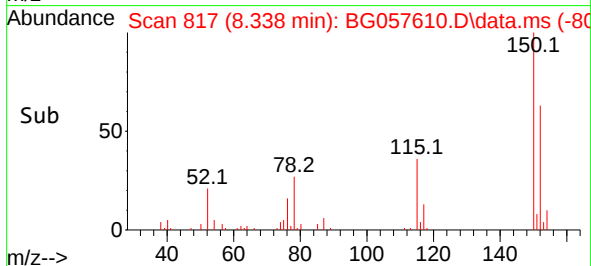
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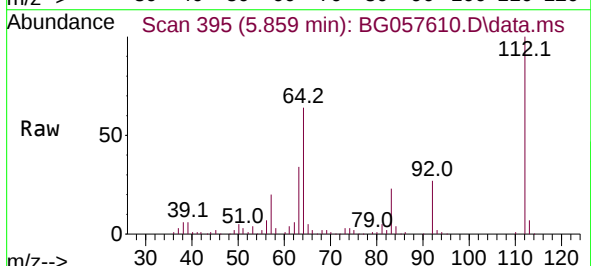
Tgt Ion:152 Resp: 19560
Ion Ratio Lower Upper
152 100
150 157.9 123.0 184.4
115 56.5 47.4 71.2

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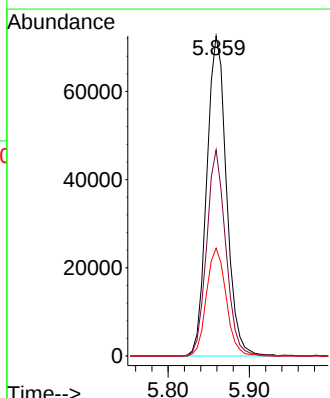
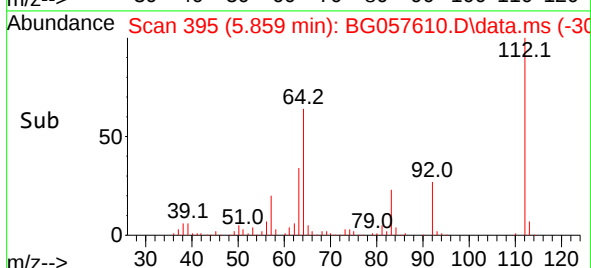
Reviewed By :Christian Giraldo 05/31/2023
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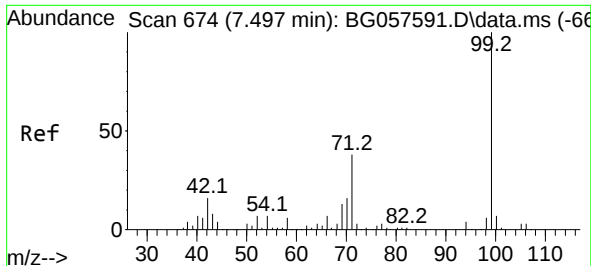


#5
2-Fluorophenol
Concen: 108.161 ng
RT: 5.859 min Scan# 395
Delta R.T. 0.000 min
Lab File: BG057610.D
Acq: 30 May 2023 17:29



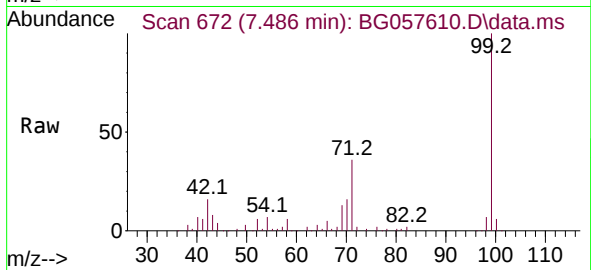
Tgt Ion:112 Resp: 121814
Ion Ratio Lower Upper
112 100
64 64.4 47.8 71.6
63 33.7 27.8 41.8





#7
Phenol-d6
Concen: 107.627 ng
RT: 7.486 min Scan# 61
Delta R.T. 0.000 min
Lab File: BG057610.D
Acq: 30 May 2023 17:29

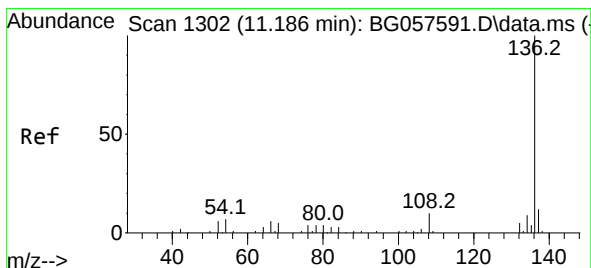
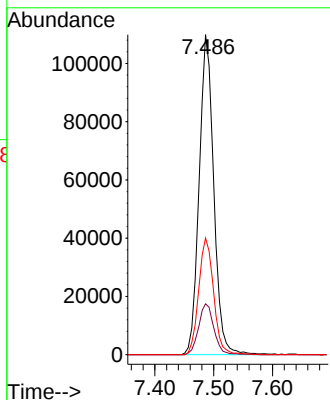
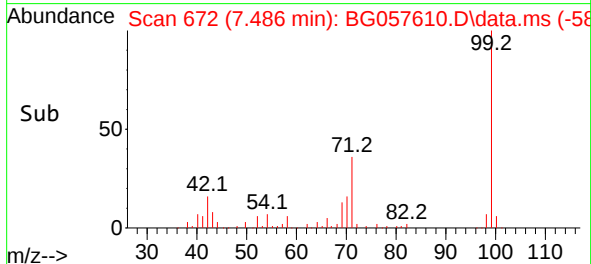
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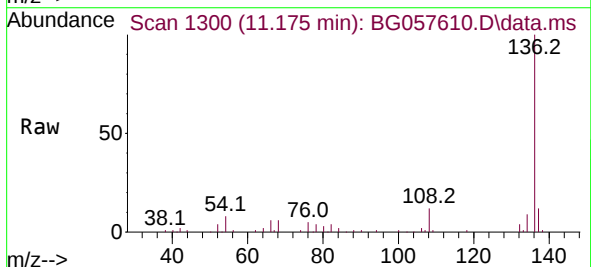
Tgt Ion: 99 Resp: 189690
Ion Ratio Lower Upper
99 100
42 15.9 12.8 19.2
71 36.4 30.3 45.5

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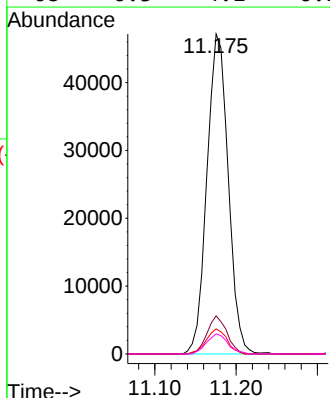
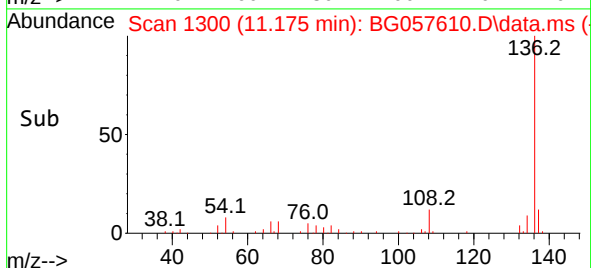
Reviewed By :Christian Giraldo 05/31/2023
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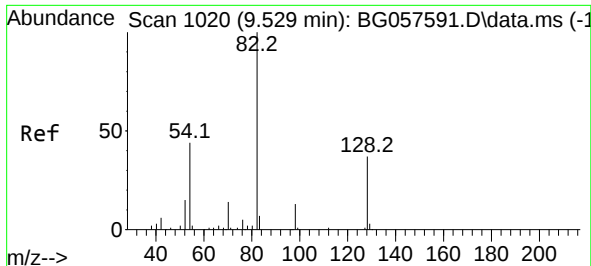


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.175 min Scan# 1300
Delta R.T. 0.000 min
Lab File: BG057610.D
Acq: 30 May 2023 17:29



Tgt Ion:136 Resp: 85797
Ion Ratio Lower Upper
136 100
137 11.9 9.8 14.8
54 7.9 5.8 8.6
68 6.3 4.1 6.1#





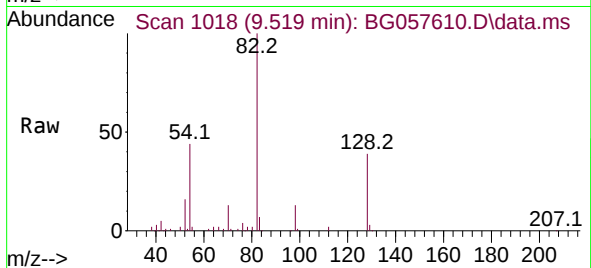
#23
Nitrobenzene-d5
Concen: 62.984 ng
RT: 9.519 min Scan# 1018
Delta R.T. -0.006 min
Lab File: BG057610.D
Acq: 30 May 2023 17:29

Instrument :

BNA_G

ClientSampleId :

DUP02

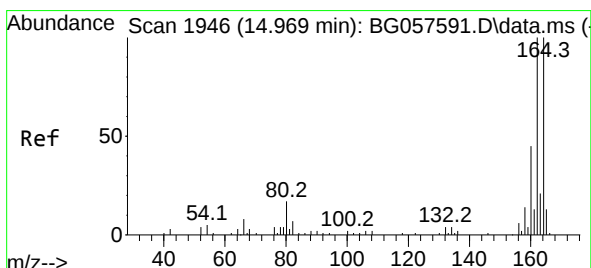
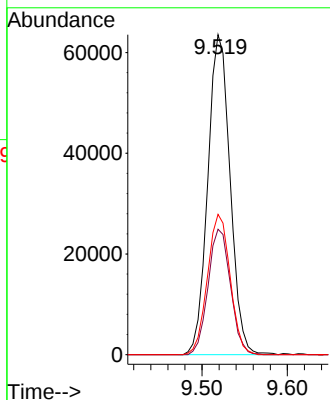
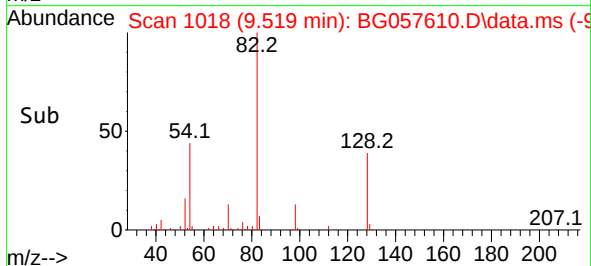


Tgt Ion: 82 Resp: 11559
Ion Ratio Lower Upper
82 100
128 39.2 30.0 45.0
54 43.8 35.2 52.8

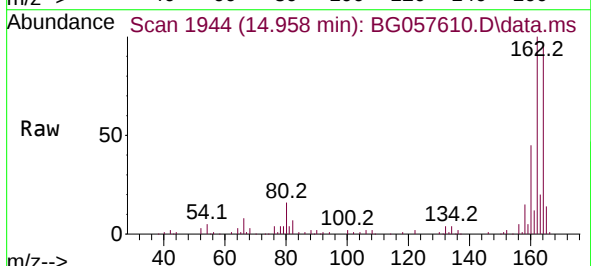
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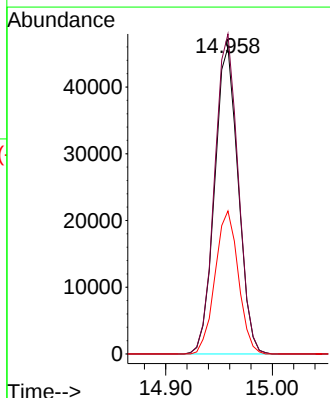
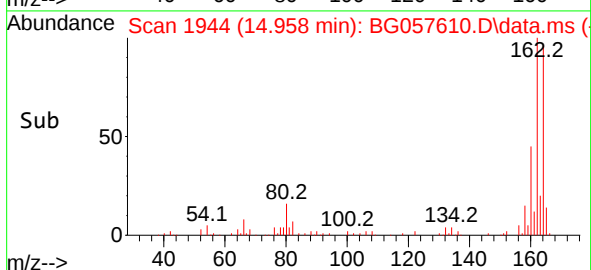
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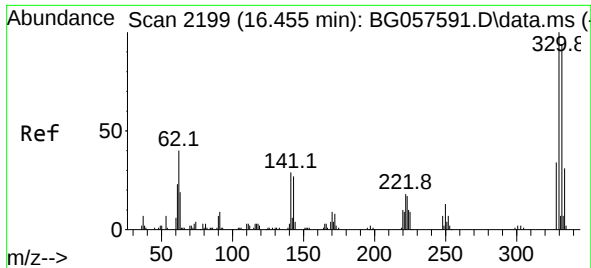


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.958 min Scan# 1944
Delta R.T. 0.000 min
Lab File: BG057610.D
Acq: 30 May 2023 17:29



Tgt Ion:164 Resp: 70555
Ion Ratio Lower Upper
164 100
162 104.4 80.1 120.1
160 46.6 35.9 53.9





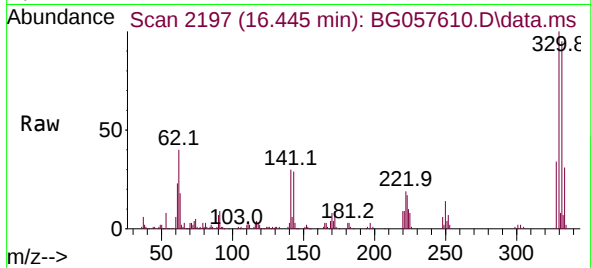
#42
2,4,6-Tribromophenol
Concen: 94.321 ng
RT: 16.445 min Scan# 2199
Delta R.T. 0.000 min
Lab File: BG057610.D
Acq: 30 May 2023 17:29

Instrument :

BNA_G

ClientSampleId :

DUP02

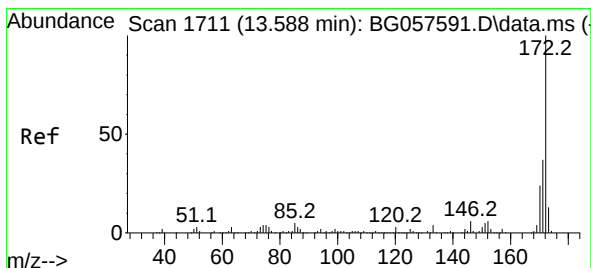
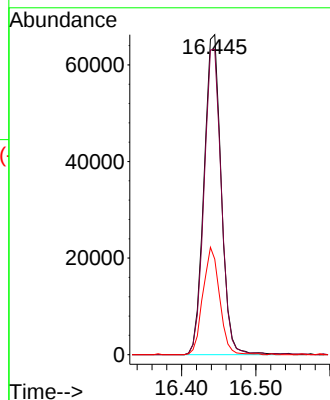
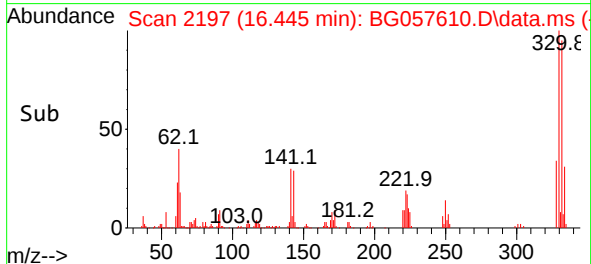


Tgt Ion:330 Resp: 106540
Ion Ratio Lower Upper
330 100
332 96.0 77.3 115.9
141 32.6 24.6 37.0

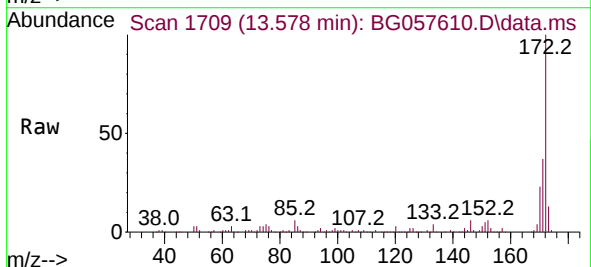
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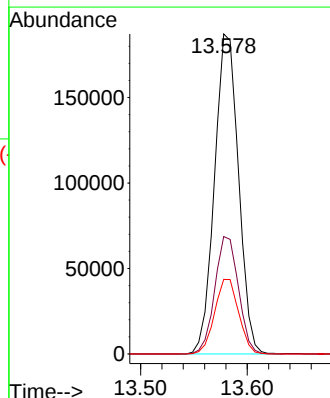
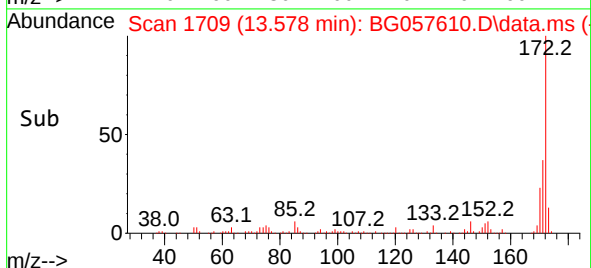
Reviewed By :Christian Giraldo 05/31/2023
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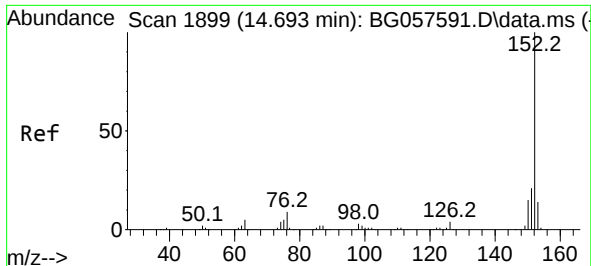


#45
2-Fluorobiphenyl
Concen: 59.576 ng
RT: 13.578 min Scan# 1709
Delta R.T. -0.006 min
Lab File: BG057610.D
Acq: 30 May 2023 17:29



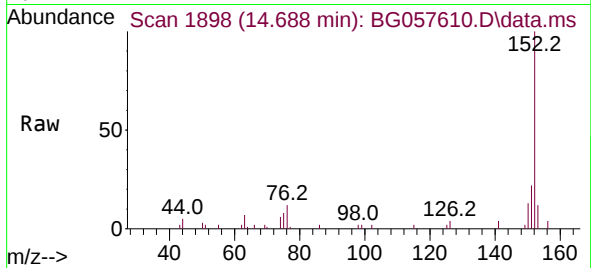
Tgt Ion:172 Resp: 292489
Ion Ratio Lower Upper
172 100
171 36.7 29.2 43.8
170 23.3 19.0 28.4





#49
Acenaphthylene
Concen: 5.925 ng m
RT: 14.688 min Scan# 1898
Delta R.T. 0.000 min
Lab File: BG057610.D
Acq: 30 May 2023 17:29

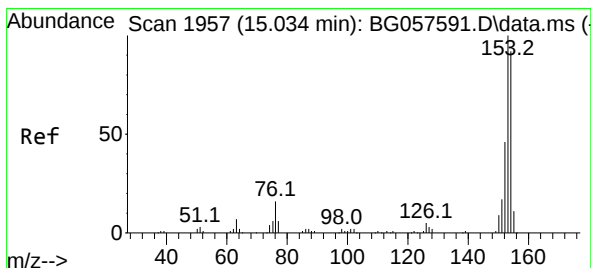
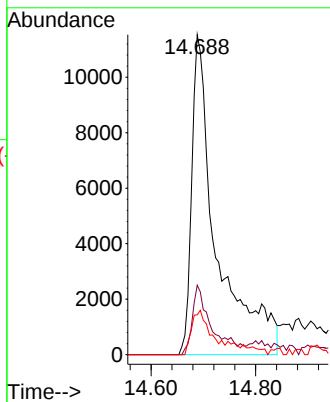
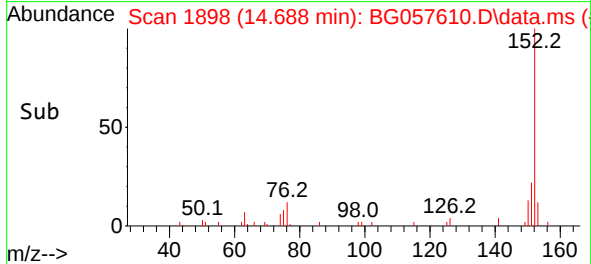
Instrument :
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DUP02



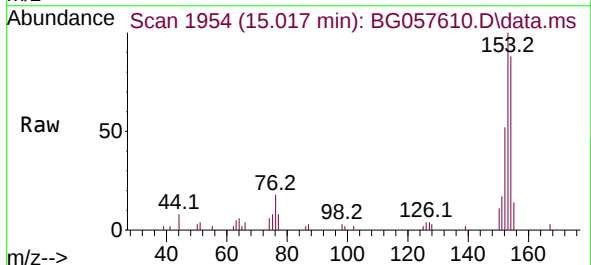
Tgt Ion:152 Resp: 38110
Ion Ratio Lower Upper
152 100
151 21.7 16.5 24.7
153 12.5 11.0 16.4

Manual Integrations
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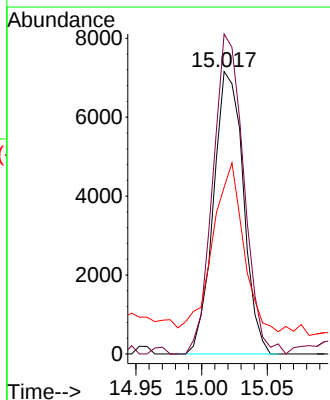
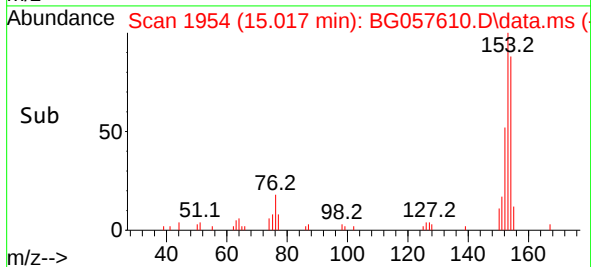
Reviewed By :Christian Giraldo 05/31/2023
Supervised By :Yogesh Patel 06/01/2023

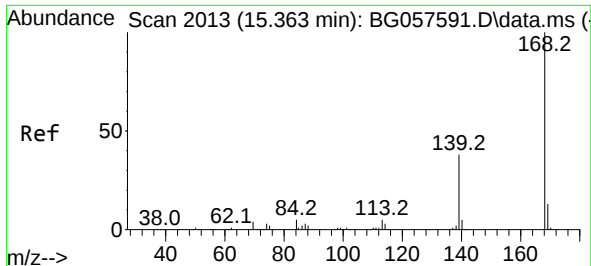


#52
Acenaphthene
Concen: 2.872 ng
RT: 15.017 min Scan# 1954
Delta R.T. -0.006 min
Lab File: BG057610.D
Acq: 30 May 2023 17:29



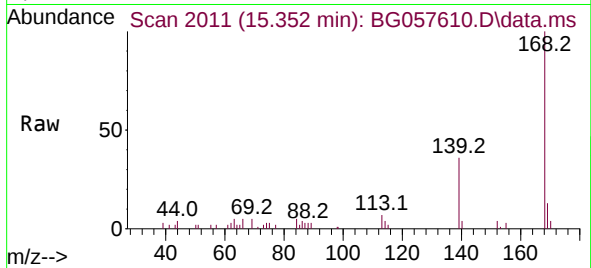
Tgt Ion:154 Resp: 11303
Ion Ratio Lower Upper
154 100
153 113.3 87.4 131.0
152 59.1 40.2 60.4





#55
Dibenzenofuran
Concen: 2.423 ng
RT: 15.352 min Scan# 2011
Delta R.T. 0.000 min
Lab File: BG057610.D
Acq: 30 May 2023 17:29

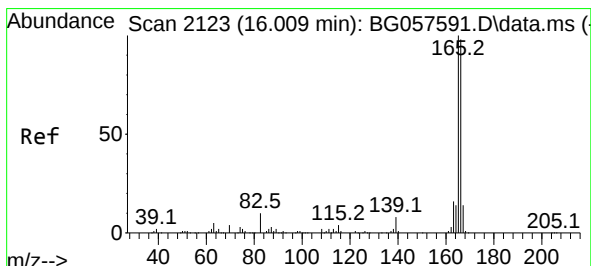
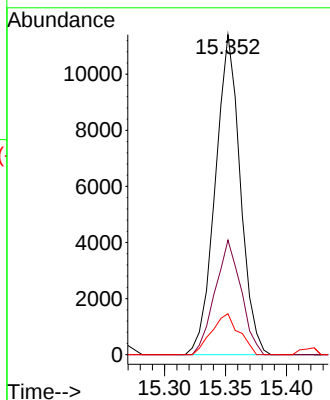
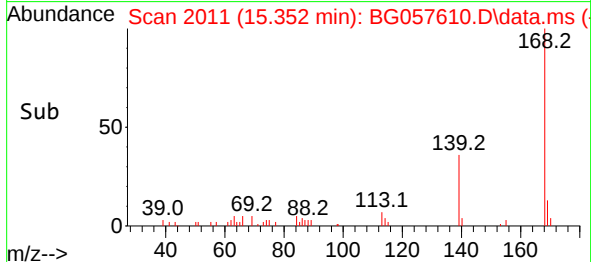
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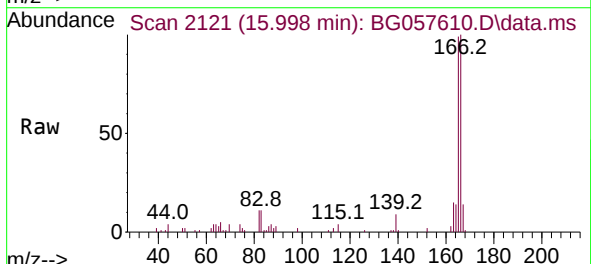
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Ion Ratio Lower Upper
168 100
139 35.8 30.6 46.0
169 12.8 10.6 16.0

Manual Integrations
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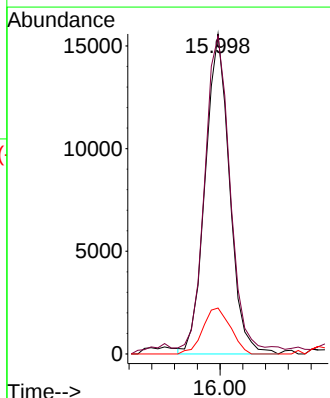
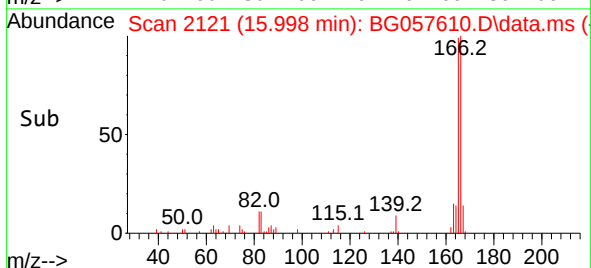
Reviewed By :Christian Giraldo 05/31/2023
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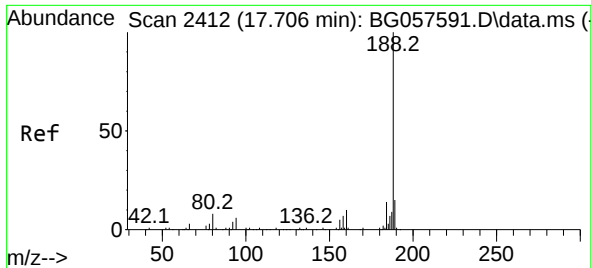


#58
Fluorene
Concen: 4.070 ng
RT: 15.998 min Scan# 2121
Delta R.T. 0.000 min
Lab File: BG057610.D
Acq: 30 May 2023 17:29



Tgt Ion:166 Resp: 23111
Ion Ratio Lower Upper
166 100
165 99.3 81.2 121.8
167 14.3 11.1 16.7





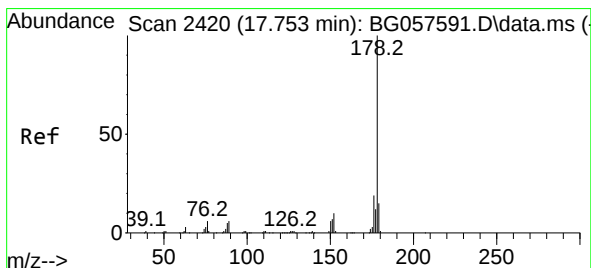
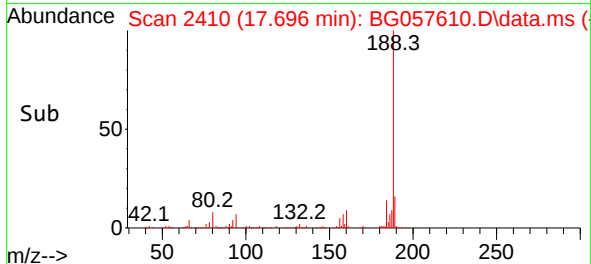
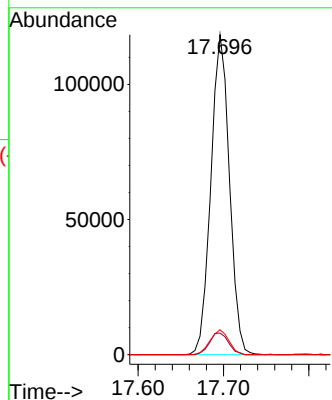
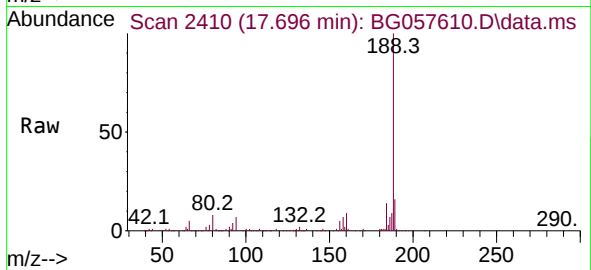
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.696 min Scan# 2412
Delta R.T. 0.000 min
Lab File: BG057610.D
Acq: 30 May 2023 17:29

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Tgt Ion:188 Resp: 179035
Ion Ratio Lower Upper
188 100
94 6.7 5.2 7.8
80 7.8 6.7 10.1

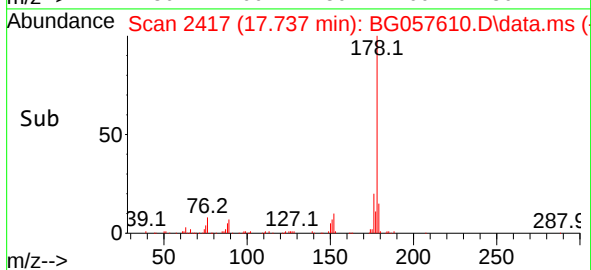
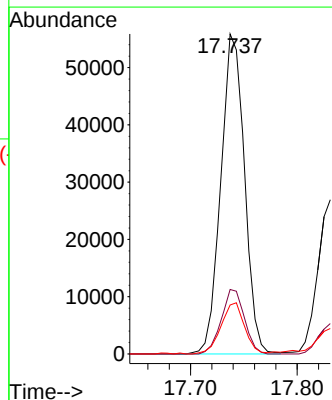
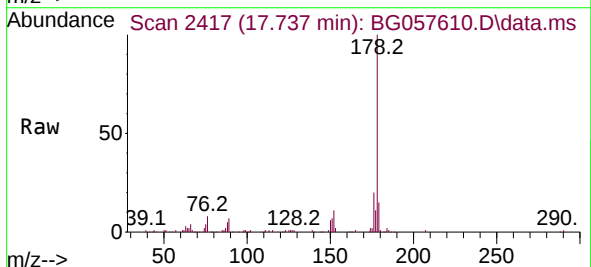
Manual Integrations
APPROVED

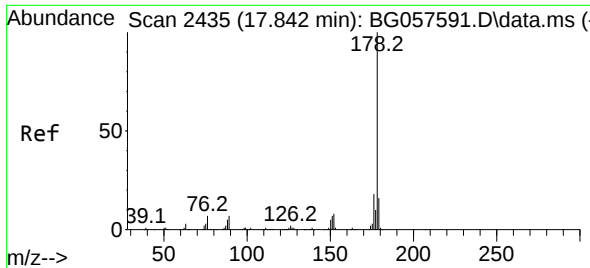
Reviewed By :Christian Giraldo 05/31/2023
Supervised By :Yogesh Patel 06/01/2023



#71
Phenanthrene
Concen: 9.398 ng
RT: 17.737 min Scan# 2417
Delta R.T. -0.006 min
Lab File: BG057610.D
Acq: 30 May 2023 17:29

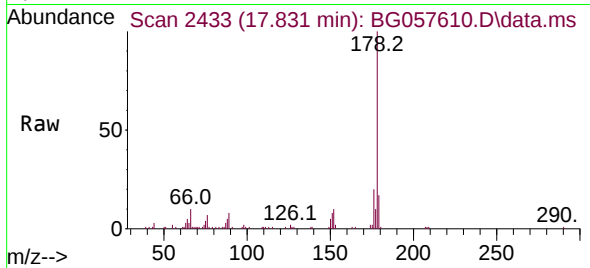
Tgt Ion:178 Resp: 86106
Ion Ratio Lower Upper
178 100
176 20.1 15.3 22.9
179 15.3 12.0 18.0





#72
 Anthracene
 Concen: 4.418 ng
 RT: 17.831 min Scan# 2435
 Delta R.T. 0.000 min
 Lab File: BG057610.D
 Acq: 30 May 2023 17:29

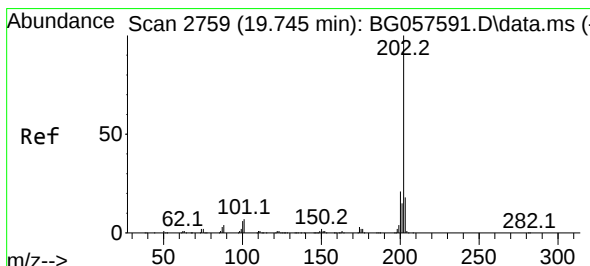
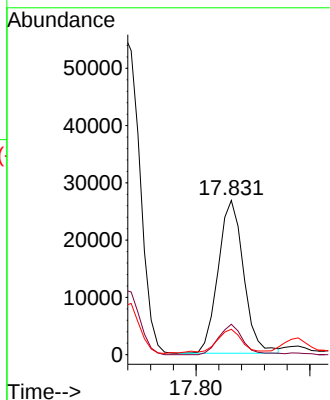
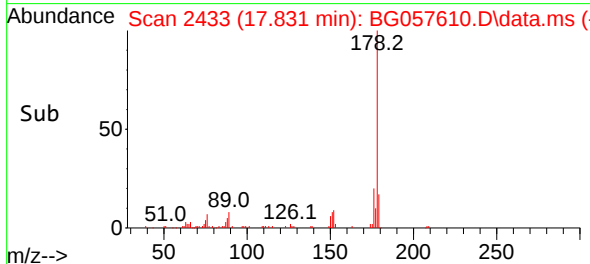
Instrument :
 BNA_G
 ClientSampleId :
 DUP02



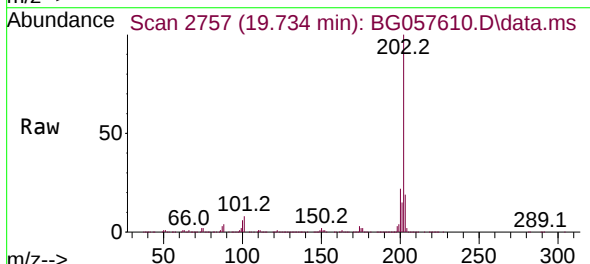
Tgt Ion:178 Resp: 41520
 Ion Ratio Lower Upper
 178 100
 176 19.7 14.6 22.0
 179 16.5 12.6 18.8

Manual Integrations
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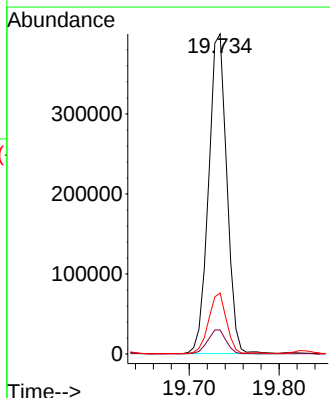
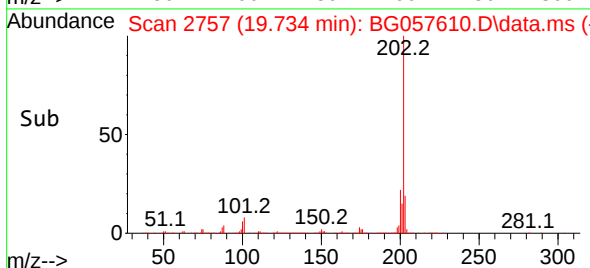
Reviewed By :Christian Giraldo 05/31/2023
 Supervised By :Yogesh Patel 06/01/2023

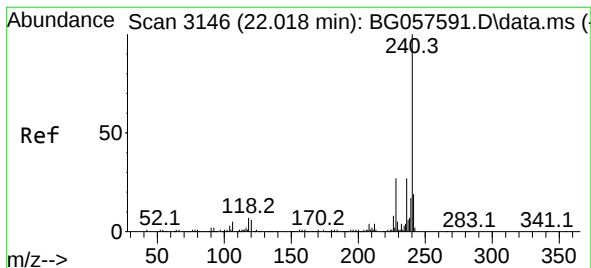


#75
 Fluoranthene
 Concen: 47.266 ng
 RT: 19.734 min Scan# 2757
 Delta R.T. 0.006 min
 Lab File: BG057610.D
 Acq: 30 May 2023 17:29



Tgt Ion:202 Resp: 562180
 Ion Ratio Lower Upper
 202 100
 101 7.5 0.0 27.5
 203 19.1 0.0 38.4





#76

Chrysene-d12

Concen: 20.000 ng

RT: 22.002 min Scan# 3146

Delta R.T. 0.000 min

Lab File: BG057610.D

Acq: 30 May 2023 17:29

Instrument :

BNA_G

ClientSampleId :

DUP02

Tgt Ion:240 Resp: 158360

Ion Ratio Lower Upper

240 100

120 6.9 5.2 7.8

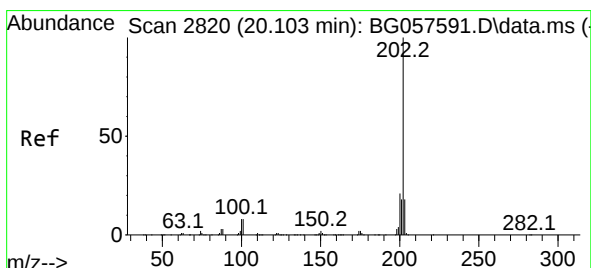
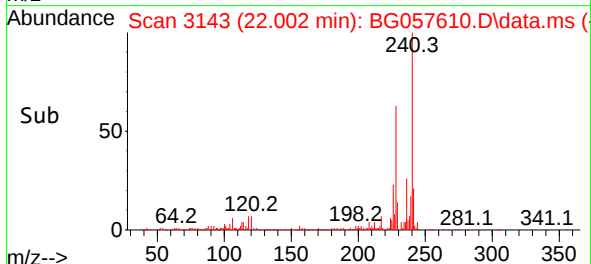
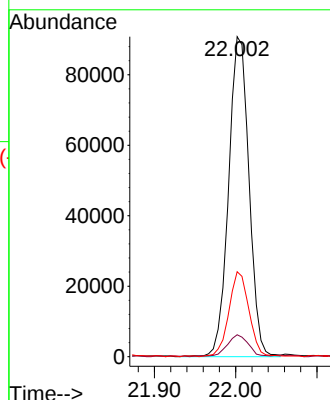
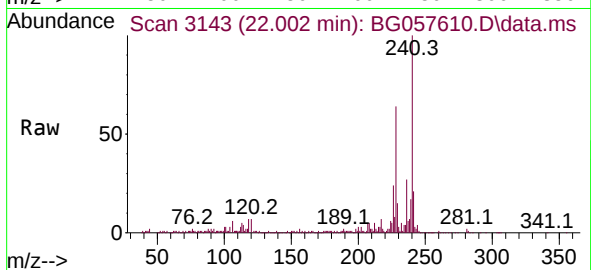
236 26.6 21.4 32.0

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 05/31/2023

Supervised By :Yogesh Patel 06/01/2023



#78

Pyrene

Concen: 49.793 ng

RT: 20.093 min Scan# 2818

Delta R.T. 0.000 min

Lab File: BG057610.D

Acq: 30 May 2023 17:29

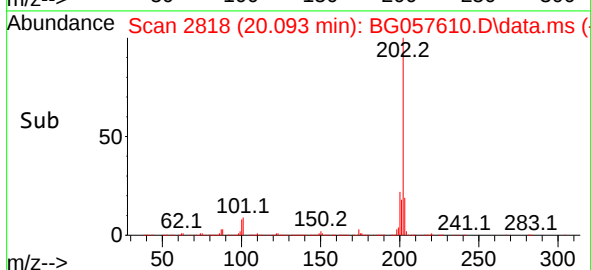
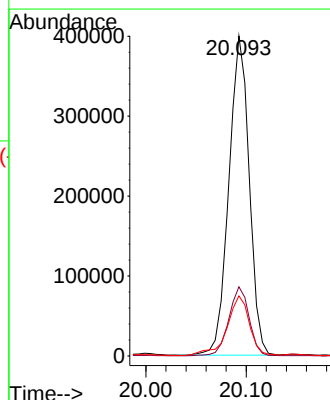
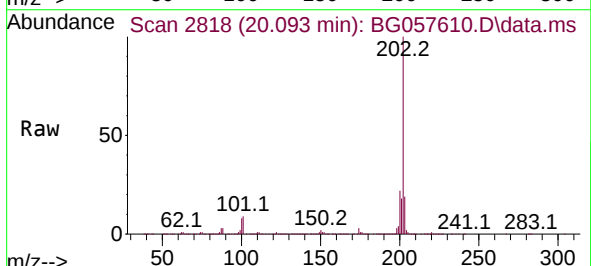
Tgt Ion:202 Resp: 561464

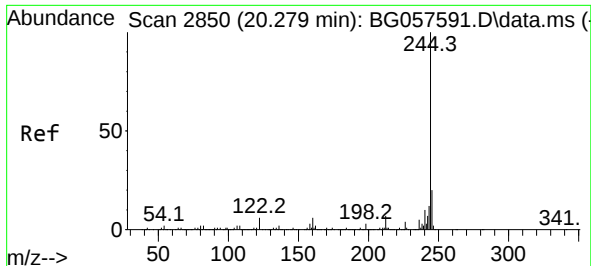
Ion Ratio Lower Upper

202 100

200 21.6 16.8 25.2

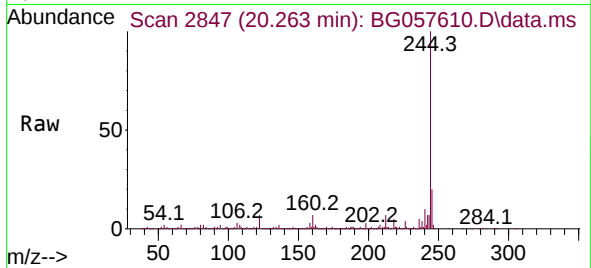
203 18.7 14.5 21.7





#79
Terphenyl-d14
Concen: 59.537 ng
RT: 20.263 min Scan# 21
Delta R.T. -0.006 min
Lab File: BG057610.D
Acq: 30 May 2023 17:29

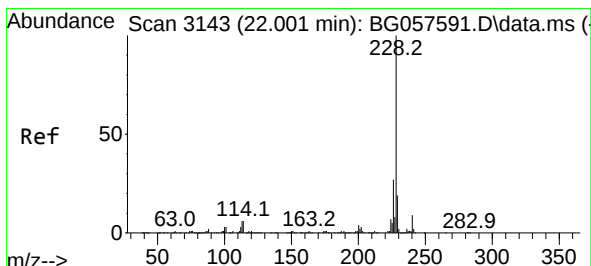
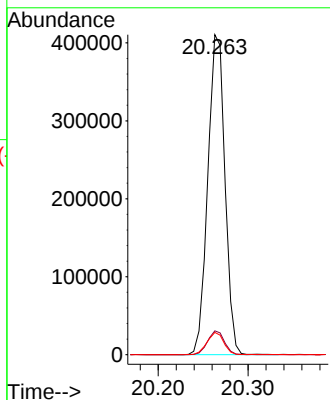
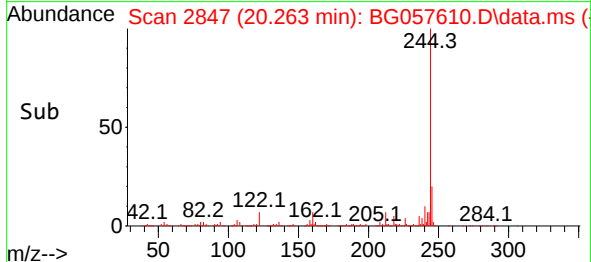
Instrument :
BNA_G
ClientSampleId :
DUP02



Tgt Ion:244 Resp: 544308
Ion Ratio Lower Upper
244 100
212 7.4 5.6 8.4
122 6.9 4.8 7.2

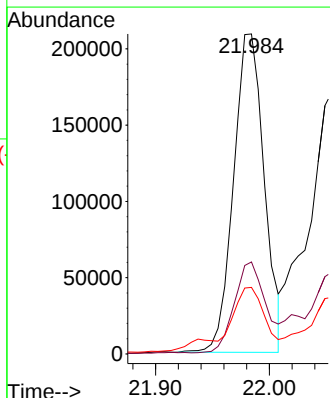
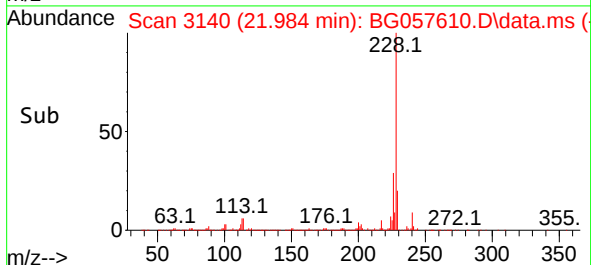
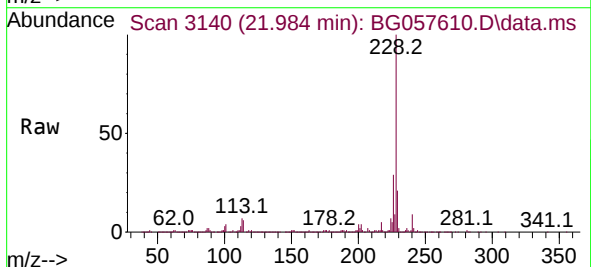
Manual Integrations
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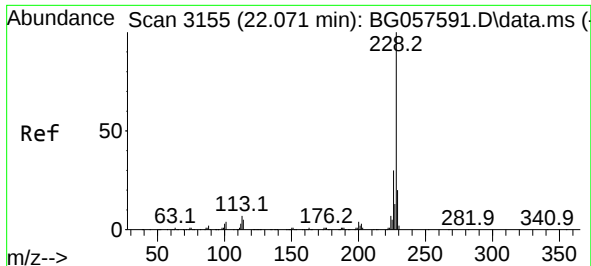
Reviewed By :Christian Giraldo 05/31/2023
Supervised By :Yogesh Patel 06/01/2023



#81
Benzo(a)anthracene
Concen: 35.613 ng
RT: 21.984 min Scan# 3140
Delta R.T. 0.006 min
Lab File: BG057610.D
Acq: 30 May 2023 17:29

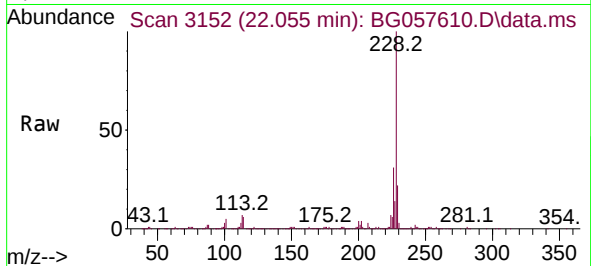
Tgt Ion:228 Resp: 391275
Ion Ratio Lower Upper
228 100
226 28.7 21.4 32.0
229 20.8 15.4 23.2





#83
Chrysene
Concen: 35.796 ng
RT: 22.055 min Scan# 3155
Delta R.T. 0.000 min
Lab File: BG057610.D
Acq: 30 May 2023 17:29

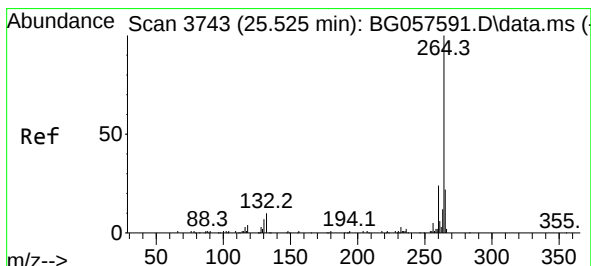
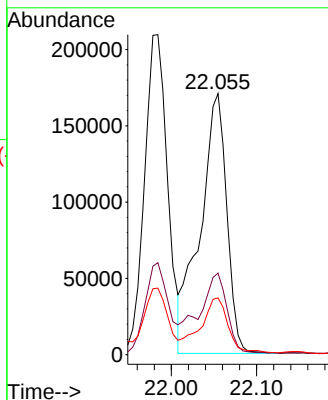
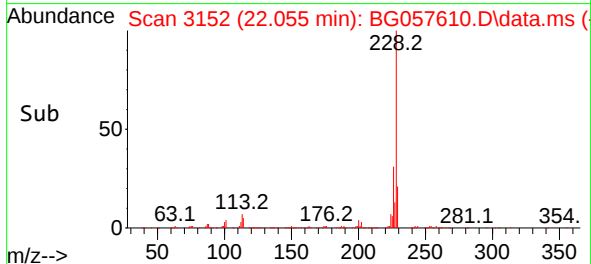
Instrument :
BNA_G
ClientSampleId :
DUP02



Tgt Ion:228 Resp: 371659
Ion Ratio Lower Upper
228 100
226 31.3 24.3 36.5
229 21.7 16.0 24.0

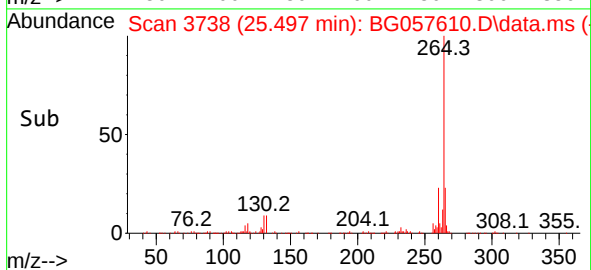
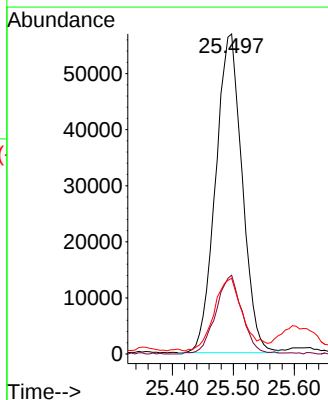
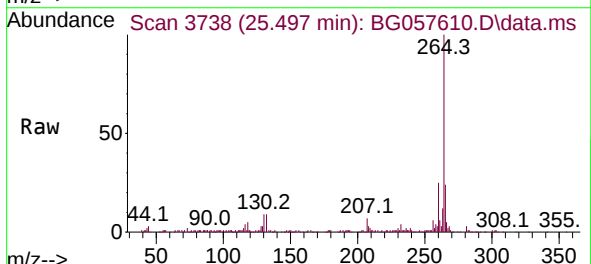
Manual Integrations
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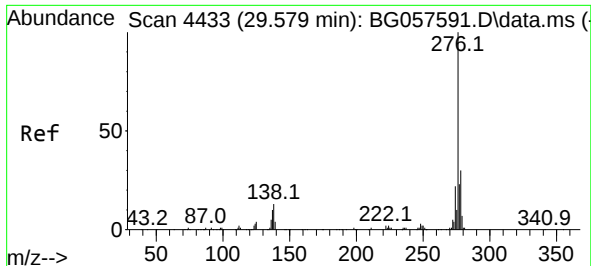
Reviewed By :Christian Giraldo 05/31/2023
Supervised By :Yogesh Patel 06/01/2023



#86
Perylene-d12
Concen: 20.000 ng
RT: 25.497 min Scan# 3738
Delta R.T. 0.006 min
Lab File: BG057610.D
Acq: 30 May 2023 17:29

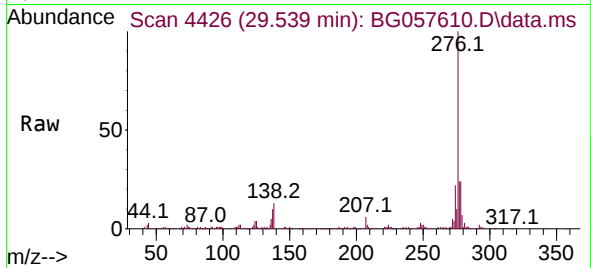
Tgt Ion:264 Resp: 172005
Ion Ratio Lower Upper
264 100
260 24.6 19.1 28.7
265 23.6 17.7 26.5





#87
Indeno(1,2,3-cd)pyrene
Concen: 25.207 ng
RT: 29.539 min Scan# 4433
Delta R.T. 0.018 min
Lab File: BG057610.D
Acq: 30 May 2023 17:29

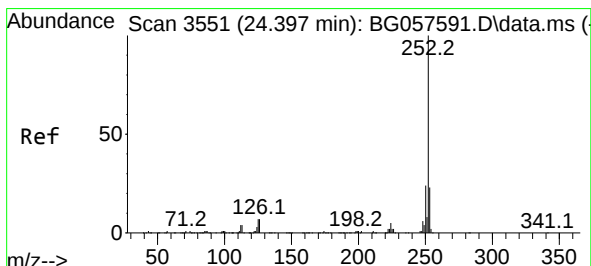
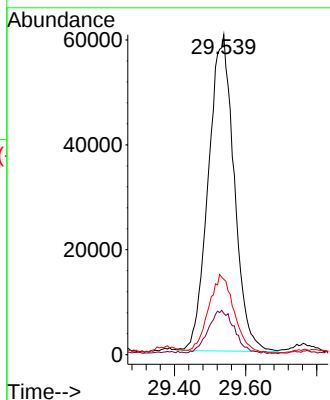
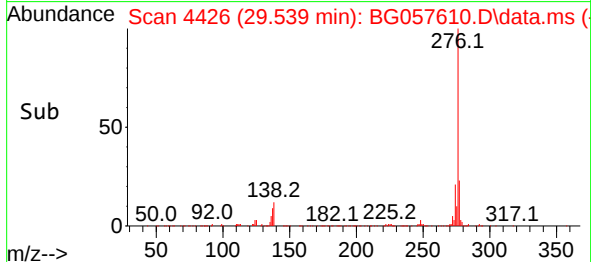
Instrument :
BNA_G
ClientSampleId :
DUP02



Tgt Ion:276 Resp: 302284
Ion Ratio Lower Upper
276 100
138 13.6 12.3 18.5
277 25.2 20.5 30.7

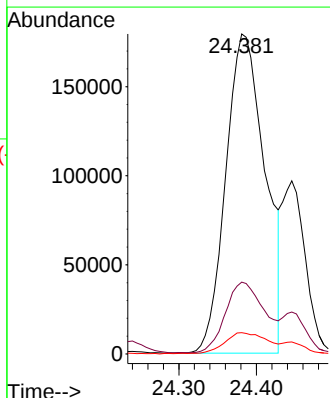
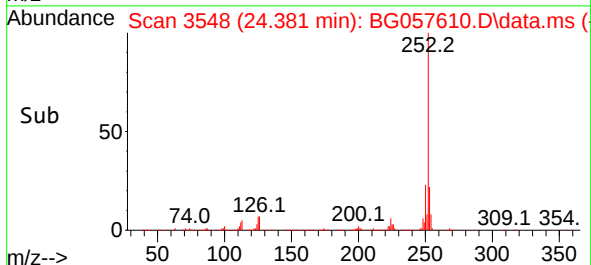
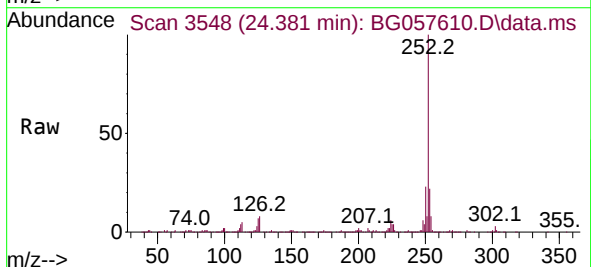
Manual Integrations
APPROVED

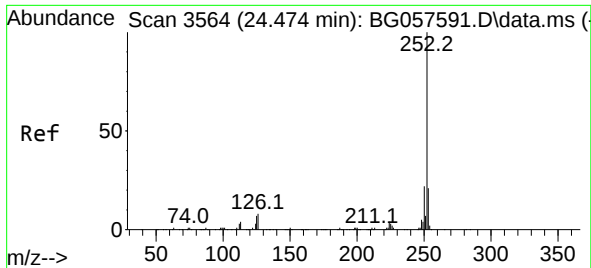
Reviewed By :Christian Giraldo 05/31/2023
Supervised By :Yogesh Patel 06/01/2023



#88
Benzo(b)fluoranthene
Concen: 59.597 ng
RT: 24.381 min Scan# 3548
Delta R.T. 0.006 min
Lab File: BG057610.D
Acq: 30 May 2023 17:29

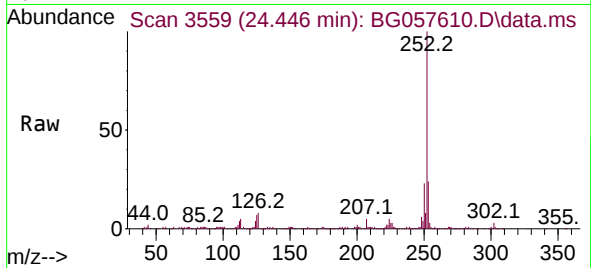
Tgt Ion:252 Resp: 630974
Ion Ratio Lower Upper
252 100
253 22.5 18.4 27.6
125 6.6 5.2 7.8





#89
Benzo(k)fluoranthene
Concen: 18.606 ng m
RT: 24.446 min Scan# 3
Delta R.T. 0.000 min
Lab File: BG057610.D
Acq: 30 May 2023 17:29

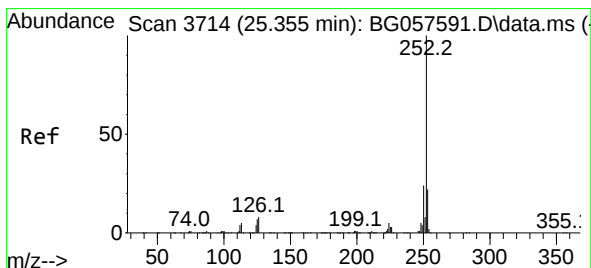
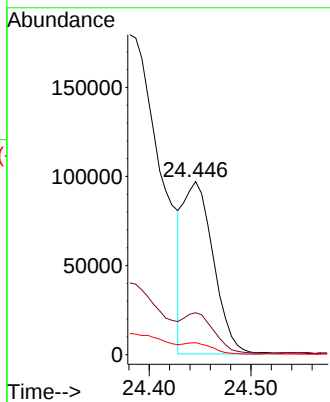
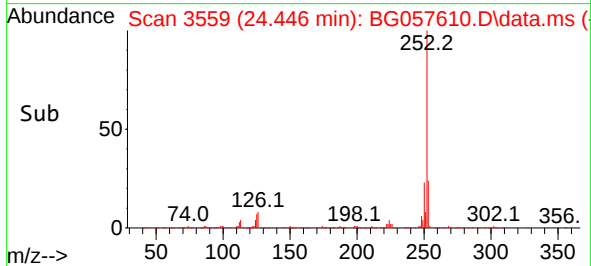
Instrument :
BNA_G
ClientSampleId :
DUP02



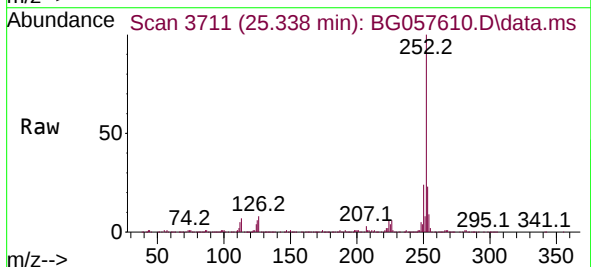
Tgt Ion:252 Resp: 19881
Ion Ratio Lower Upper
252 100
253 24.2 17.0 25.6
125 6.9 5.1 7.7

Manual Integrations
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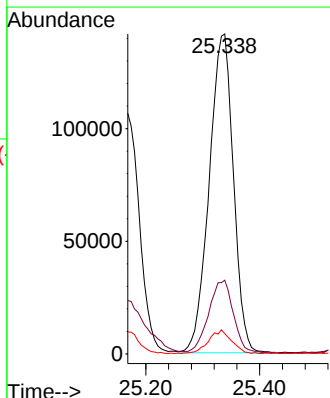
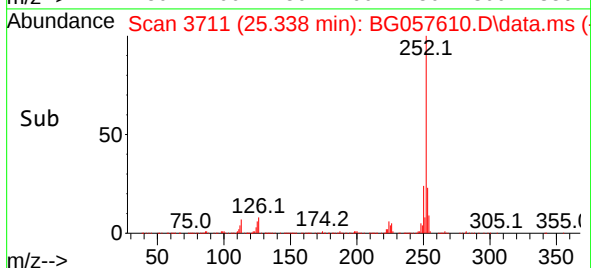
Reviewed By :Christian Giraldo 05/31/2023
Supervised By :Yogesh Patel 06/01/2023

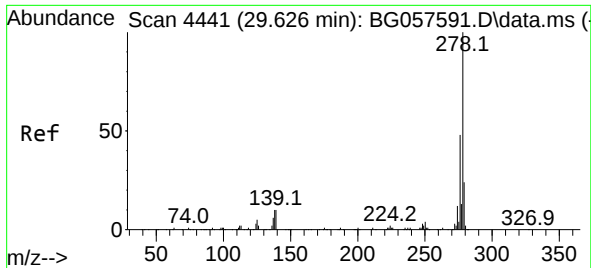


#90
Benzo(a)pyrene
Concen: 40.415 ng
RT: 25.338 min Scan# 3711
Delta R.T. 0.012 min
Lab File: BG057610.D
Acq: 30 May 2023 17:29



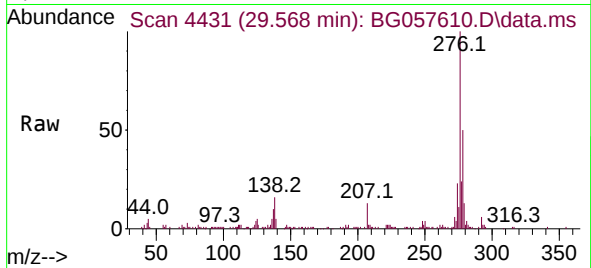
Tgt Ion:252 Resp: 417290
Ion Ratio Lower Upper
252 100
253 23.1 17.7 26.5
125 6.4 5.3 7.9





#91
Dibenzo(a,h)anthracene
Concen: 9.625 ng
RT: 29.568 min Scan# 4441
Delta R.T. -0.012 min
Lab File: BG057610.D
Acq: 30 May 2023 17:29

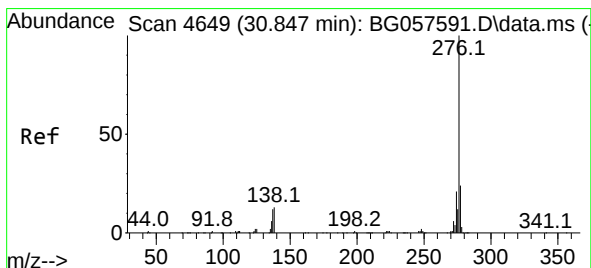
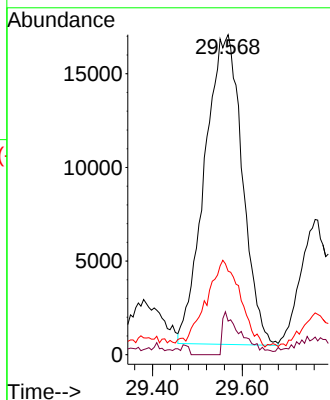
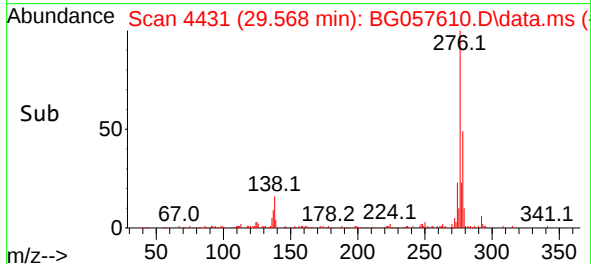
Instrument :
BNA_G
ClientSampleId :
DUP02



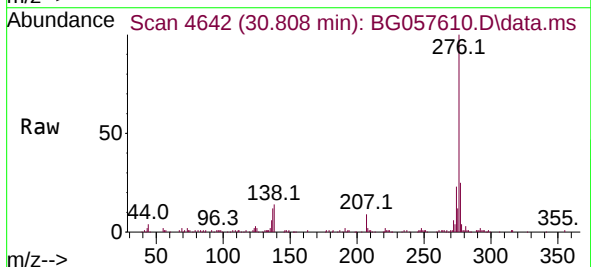
Tgt Ion: 278 Resp: 9606
Ion Ratio Lower Upper
278 100
139 10.5 7.8 11.8
279 26.1 19.1 28.7

Manual Integrations
APPROVED

Reviewed By : Christian Giraldo 05/31/2023
Supervised By : Yogesh Patel 06/01/2023



#92
Benzo(g,h,i)perylene
Concen: 27.867 ng
RT: 30.808 min Scan# 4642
Delta R.T. 0.006 min
Lab File: BG057610.D
Acq: 30 May 2023 17:29



Tgt Ion: 276 Resp: 271251
Ion Ratio Lower Upper
276 100
277 25.0 18.9 28.3
138 14.2 10.2 15.4

