

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG053023\
 Data File : BG057611.D
 Acq On : 30 May 2023 18:10
 Operator : CG/JU
 Sample : 02955-07
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 WC26

Manual Integrations
 APPROVED

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

Quant Time: May 31 03:29:13 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	8.337	152	21892	20.000	ng	0.00
21) Naphthalene-d8	11.175	136	91704	20.000	ng	# 0.00
39) Acenaphthene-d10	14.958	164	71070	20.000	ng	0.00
64) Phenanthrene-d10	17.695	188	180670	20.000	ng	0.00
76) Chrysene-d12	21.995	240	162510	20.000	ng	0.00
86) Perylene-d12	25.485	264	174135	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.858	112	122093	96.891	ng	0.00
7) Phenol-d6	7.485	99	190029	96.361	ng	0.00
23) Nitrobenzene-d5	9.518	82	115679	58.967	ng	0.00
42) 2,4,6-Tribromophenol	16.444	330	100247	88.102	ng	0.00
45) 2-Fluorobiphenyl	13.583	172	256888	51.946	ng	0.00
79) Terphenyl-d14	20.262	244	516484	55.053	ng	0.00
Target Compounds						Qvalue
75) Fluoranthene	19.728	202	48838	4.069	ng	98
78) Pyrene	20.086	202	47755	4.127	ng	99
81) Benzo(a)anthracene	21.972	228	33186	2.943	ng	97
83) Chrysene	22.048	228	31930m	2.997	ng	
87) Indeno(1,2,3-cd)pyrene	29.491	276	29281	2.412	ng	# 82
88) Benzo(b)fluoranthene	24.368	252	52218	4.872	ng	# 97
90) Benzo(a)pyrene	25.320	252	41576	3.977	ng	# 97
92) Benzo(g,h,i)perylene	30.777	276	29451m	2.989	ng	

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

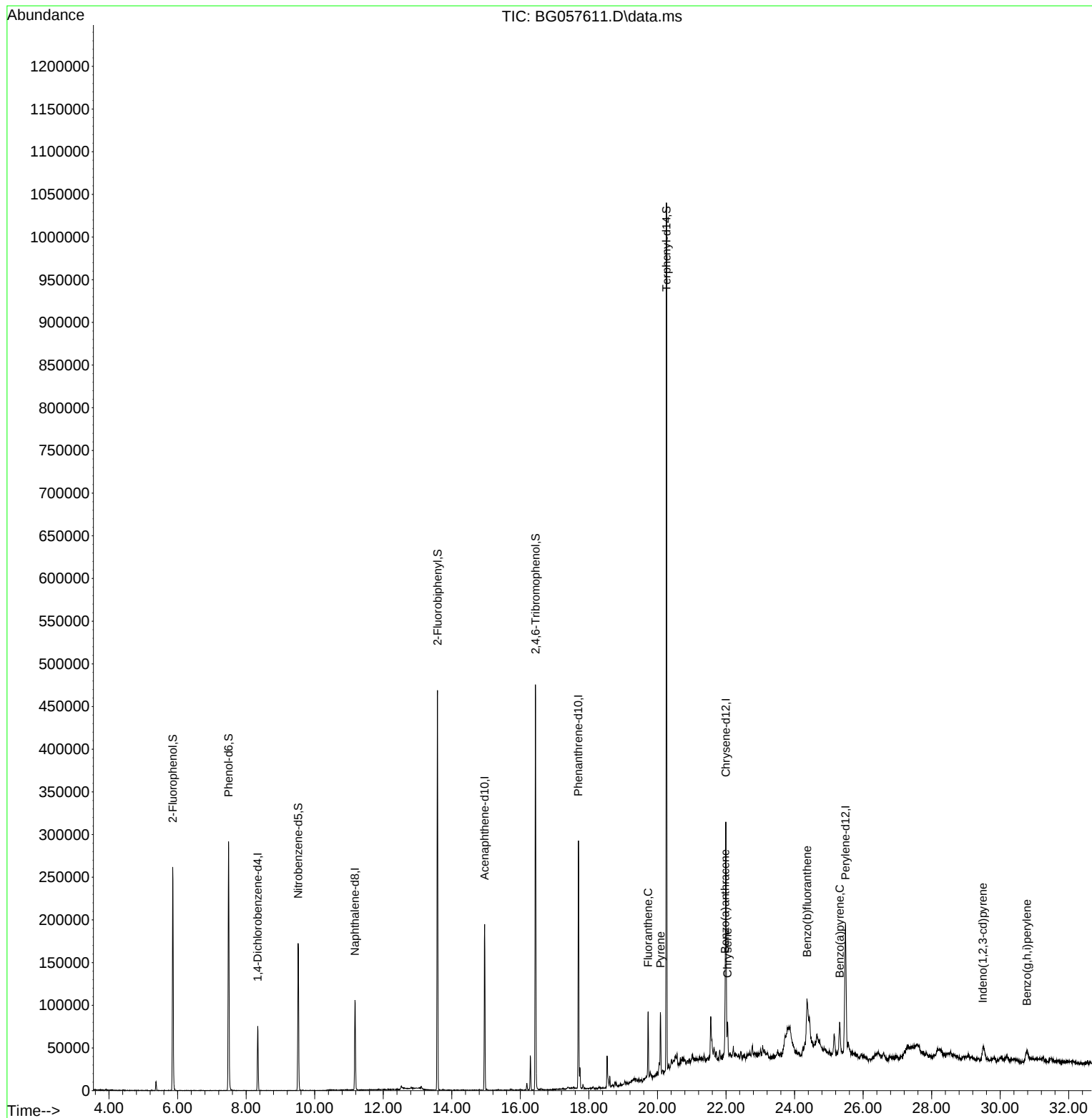
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG053023\
Data File : BG057611.D
Acq On : 30 May 2023 18:10
Operator : CG/JU
Sample : 02955-07
Misc :
ALS Vial : 8 Sample Multiplier: 1

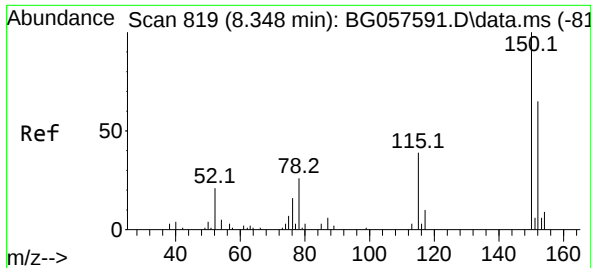
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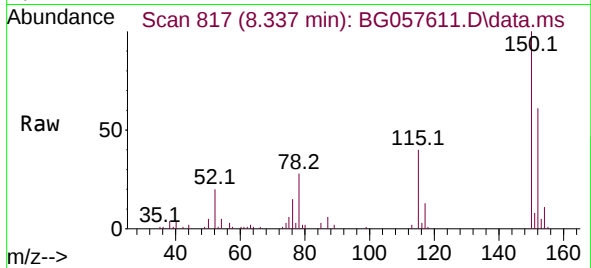
Quant Time: May 31 03:29:13 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG052723.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed May 31 03:25:39 2023
Response via : Initial Calibration





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.337 min Scan# 819
Delta R.T. -0.007 min
Lab File: BG057611.D
Acq: 30 May 2023 18:10

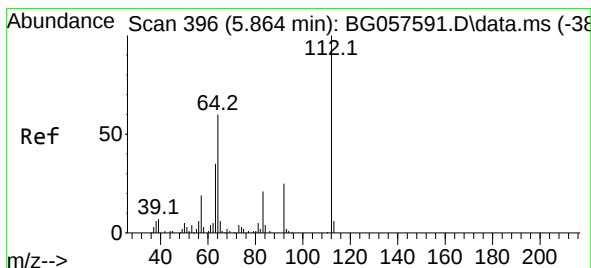
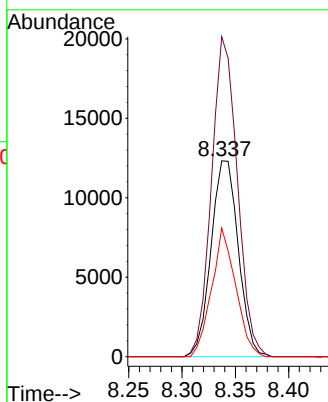
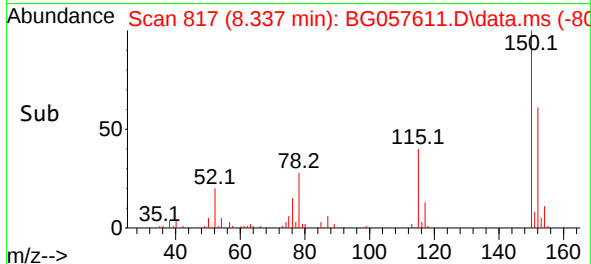
Instrument :
BNA_G
ClientSampleId :
WC26



Tgt Ion:152 Resp: 2189
Ion Ratio Lower Upper
152 100
150 163.4 123.0 184.4
115 65.7 47.4 71.2

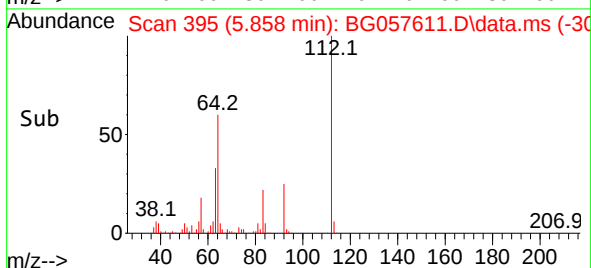
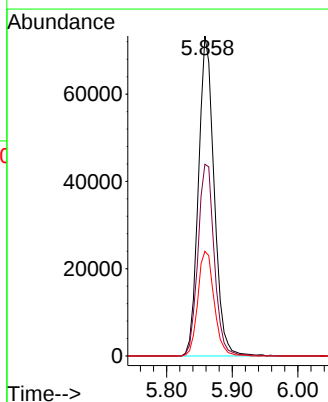
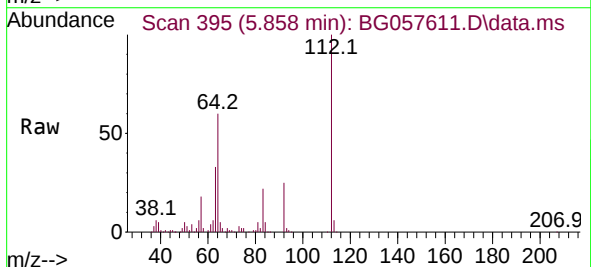
Manual Integrations
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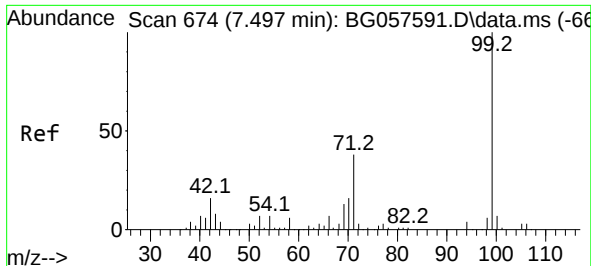
Reviewed By :Christian Giraldo 05/31/2023
Supervised By :Yogesh Patel 06/01/2023



#5
2-Fluorophenol
Concen: 96.891 ng
RT: 5.858 min Scan# 395
Delta R.T. -0.001 min
Lab File: BG057611.D
Acq: 30 May 2023 18:10

Tgt Ion:112 Resp: 122093
Ion Ratio Lower Upper
112 100
64 59.9 47.8 71.6
63 32.7 27.8 41.8





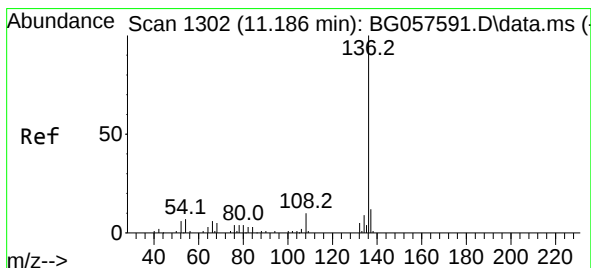
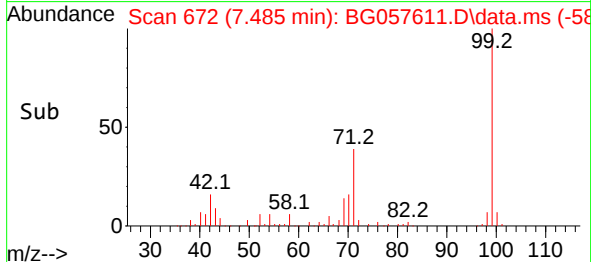
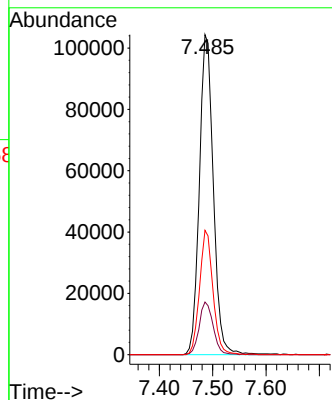
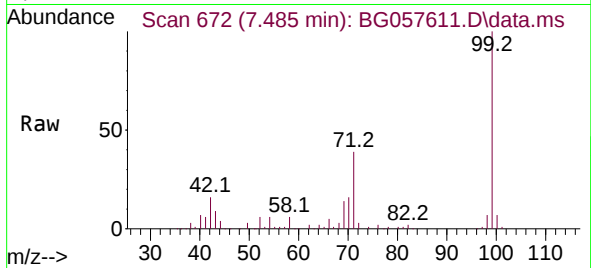
#7
Phenol-d6
Concen: 96.361 ng
RT: 7.485 min Scan# 61
Delta R.T. -0.001 min
Lab File: BG057611.D
Acq: 30 May 2023 18:10

Instrument :
BNA_G
ClientSampleId :
WC26

Tgt Ion: 99 Resp: 190029
Ion Ratio Lower Upper
99 100
42 16.4 12.8 19.2
71 38.8 30.3 45.5

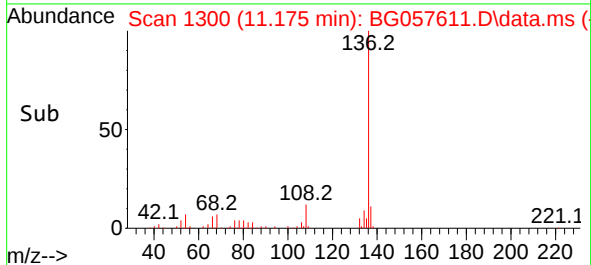
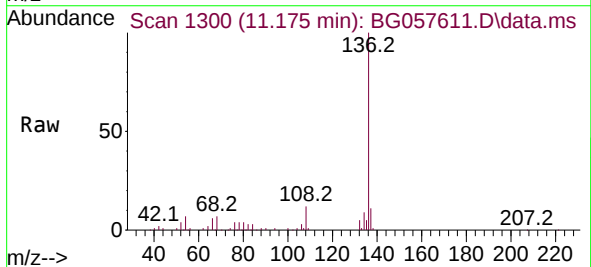
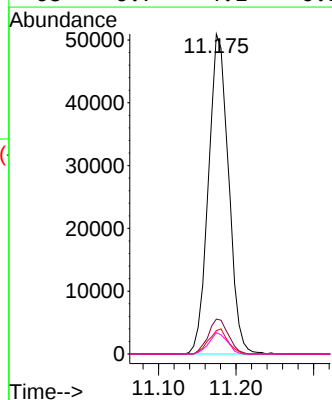
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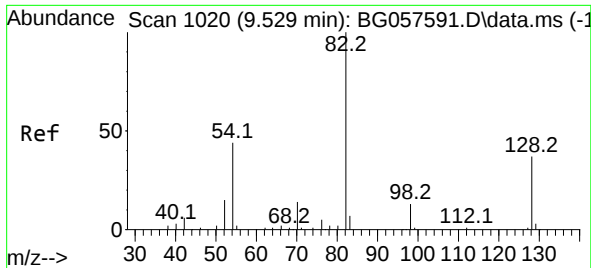
Reviewed By :Christian Giraldo 05/31/2023
Supervised By :Yogesh Patel 06/01/2023



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.175 min Scan# 1300
Delta R.T. -0.001 min
Lab File: BG057611.D
Acq: 30 May 2023 18:10

Tgt Ion:136 Resp: 91704
Ion Ratio Lower Upper
136 100
137 10.9 9.8 14.8
54 7.3 5.8 8.6
68 6.7 4.1 6.1#





#23
 Nitrobenzene-d5
 Concen: 58.967 ng
 RT: 9.518 min Scan# 1018
 Delta R.T. -0.007 min
 Lab File: BG057611.D
 Acq: 30 May 2023 18:10

Instrument :

BNA_G

ClientSampleId :

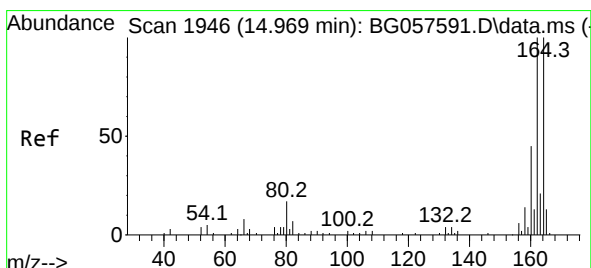
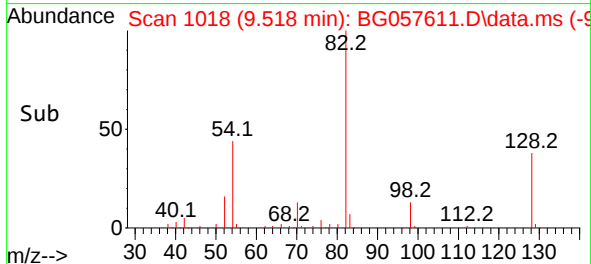
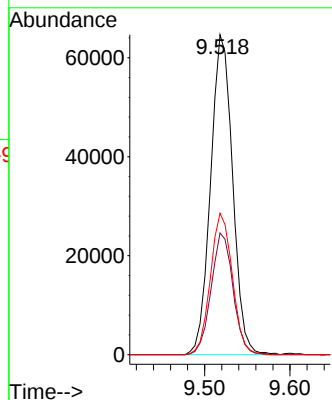
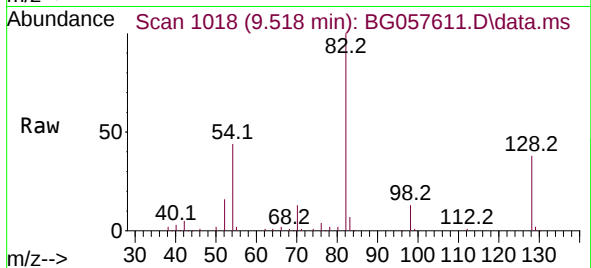
WC26

Tgt Ion: 82 Resp: 115679
 Ion Ratio Lower Upper
 82 100
 128 38.1 30.0 45.0
 54 44.2 35.2 52.8

Manual Integrations

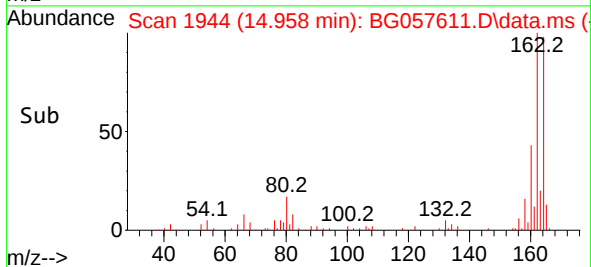
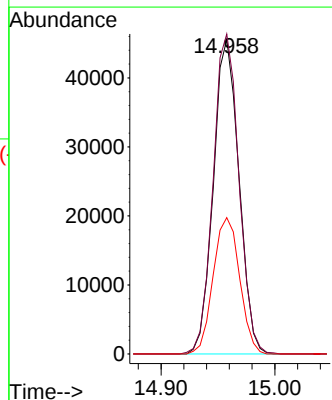
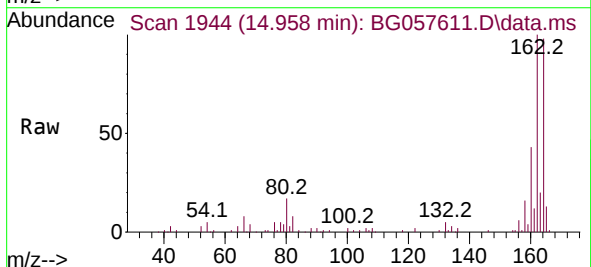
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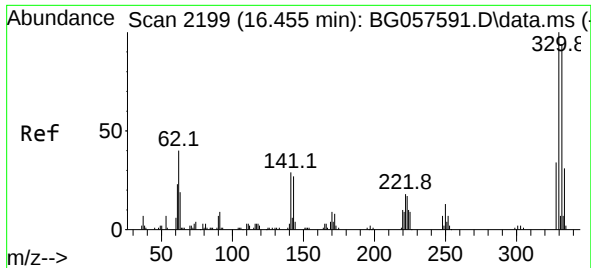
Reviewed By :Christian Giraldo 05/31/2023
 Supervised By :Yogesh Patel 06/01/2023



#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 14.958 min Scan# 1944
 Delta R.T. -0.001 min
 Lab File: BG057611.D
 Acq: 30 May 2023 18:10

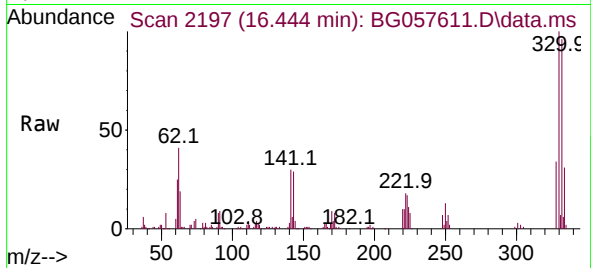
Tgt Ion:164 Resp: 71070
 Ion Ratio Lower Upper
 164 100
 162 101.7 80.1 120.1
 160 43.3 35.9 53.9





#42
2,4,6-Tribromophenol
Concen: 88.102 ng
RT: 16.444 min Scan# 2197
Delta R.T. -0.001 min
Lab File: BG057611.D
Acq: 30 May 2023 18:10

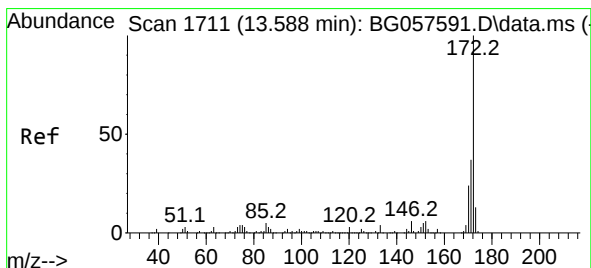
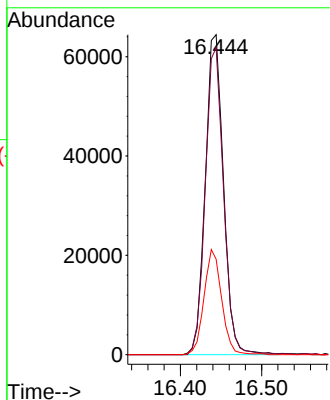
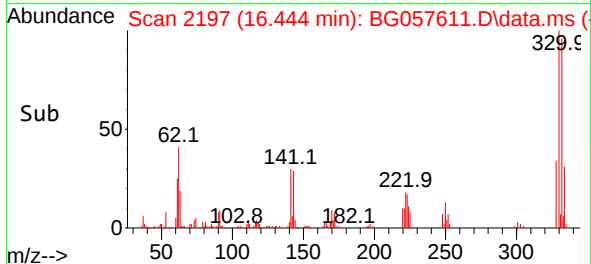
Instrument :
BNA_G
ClientSampleId :
WC26



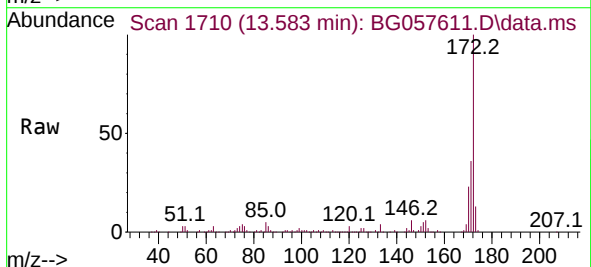
Tgt Ion:330 Resp: 10024
Ion Ratio Lower Upper
330 100
332 95.8 77.3 115.9
141 31.8 24.6 37.0

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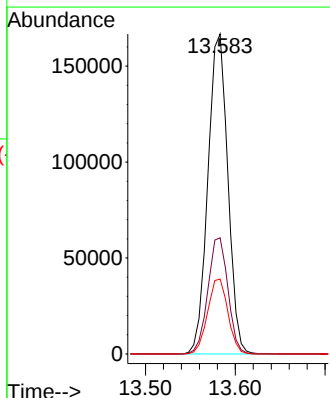
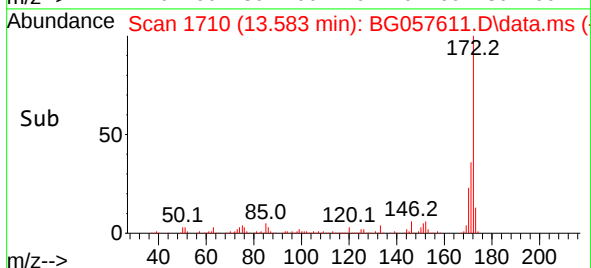
Reviewed By :Christian Giraldo 05/31/2023
Supervised By :Yogesh Patel 06/01/2023

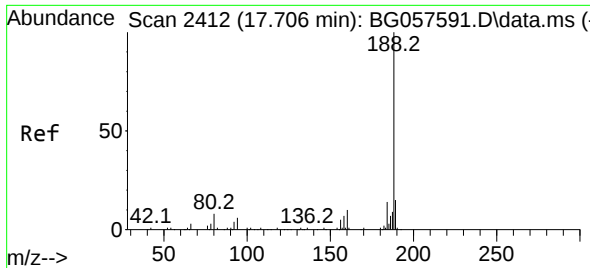


#45
2-Fluorobiphenyl
Concen: 51.946 ng
RT: 13.583 min Scan# 1710
Delta R.T. -0.001 min
Lab File: BG057611.D
Acq: 30 May 2023 18:10



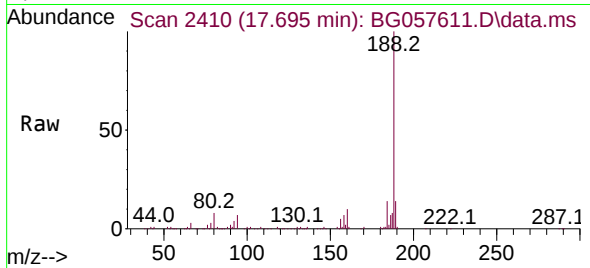
Tgt Ion:172 Resp: 256888
Ion Ratio Lower Upper
172 100
171 36.3 29.2 43.8
170 23.4 19.0 28.4





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.695 min Scan# 2412
Delta R.T. -0.001 min
Lab File: BG057611.D
Acq: 30 May 2023 18:10

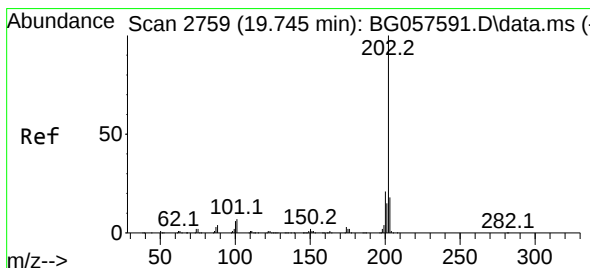
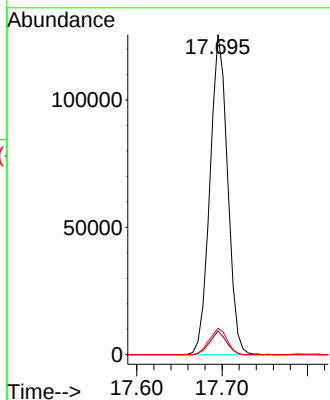
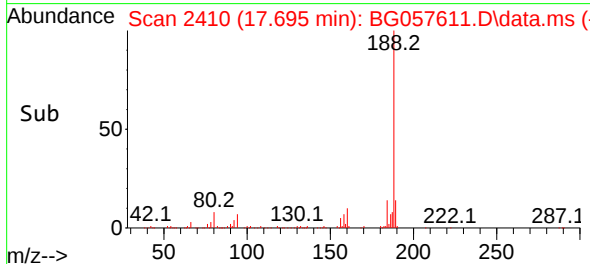
Instrument :
BNA_G
ClientSampleId :
WC26



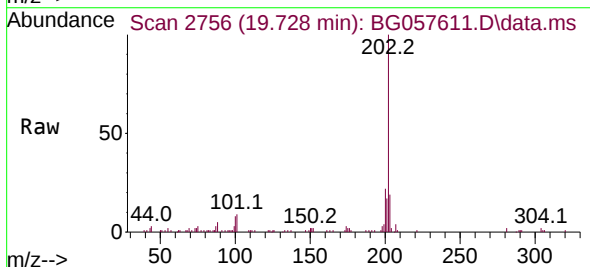
Tgt Ion:188 Resp: 180670
Ion Ratio Lower Upper
188 100
94 7.4 5.2 7.8
80 8.3 6.7 10.1

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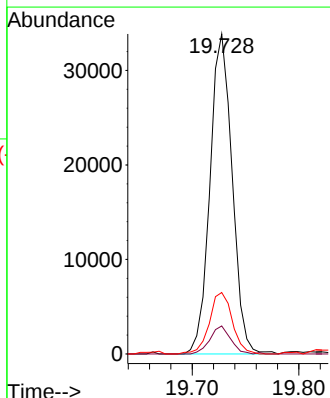
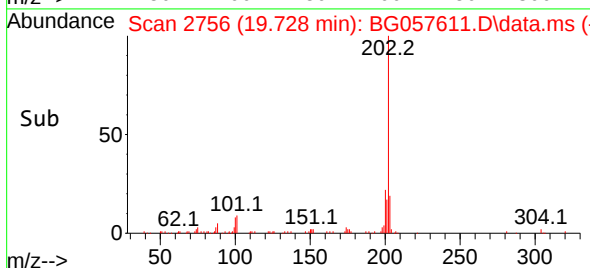
Reviewed By :Christian Giraldo 05/31/2023
Supervised By :Yogesh Patel 06/01/2023

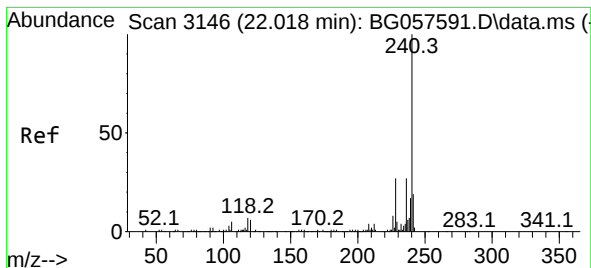


#75
Fluoranthene
Concen: 4.069 ng
RT: 19.728 min Scan# 2756
Delta R.T. -0.001 min
Lab File: BG057611.D
Acq: 30 May 2023 18:10



Tgt Ion:202 Resp: 48838
Ion Ratio Lower Upper
202 100
101 8.7 0.0 27.5
203 19.2 0.0 38.4





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.995 min Scan# 3146

Delta R.T. -0.007 min

Lab File: BG057611.D

Acq: 30 May 2023 18:10

Instrument :

BNA_G

ClientSampleId :

WC26

Tgt Ion:240 Resp: 162510

Ion Ratio Lower Upper

240 100

120 7.0 5.2 7.8

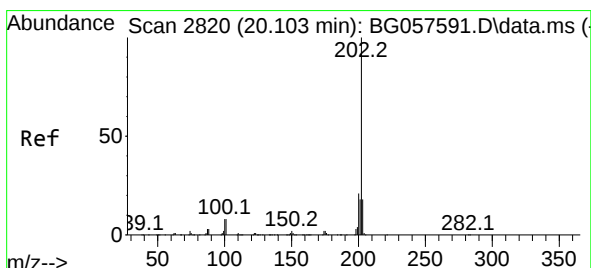
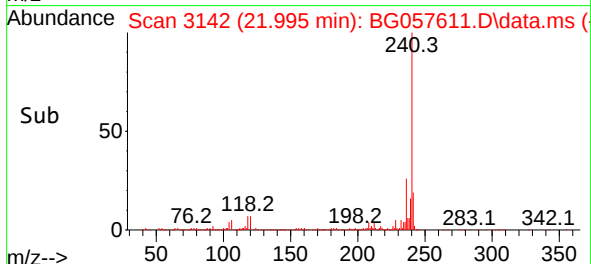
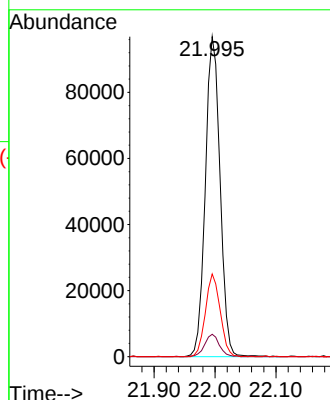
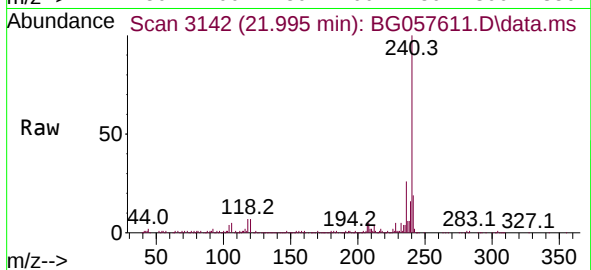
236 25.9 21.4 32.0

Manual Integrations

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Reviewed By :Christian Giraldo 05/31/2023

Supervised By :Yogesh Patel 06/01/2023



#78

Pyrene

Concen: 4.127 ng

RT: 20.086 min Scan# 2817

Delta R.T. -0.007 min

Lab File: BG057611.D

Acq: 30 May 2023 18:10

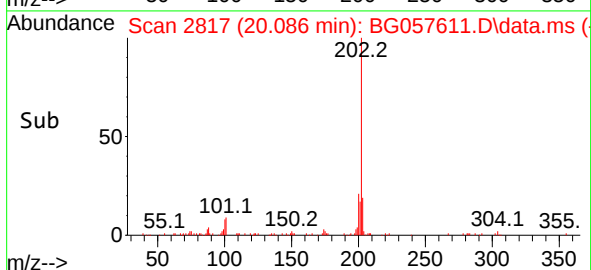
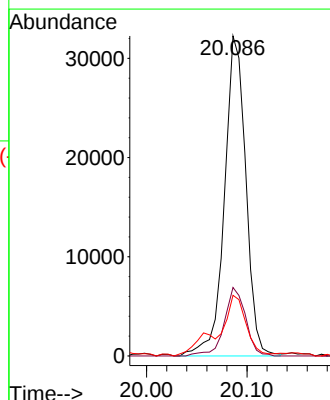
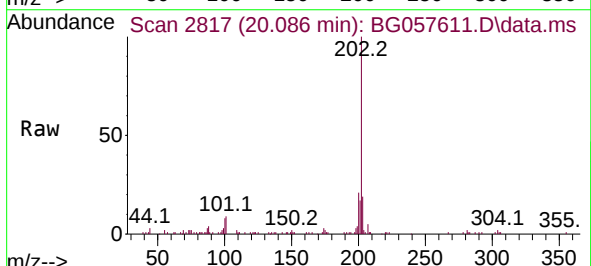
Tgt Ion:202 Resp: 47755

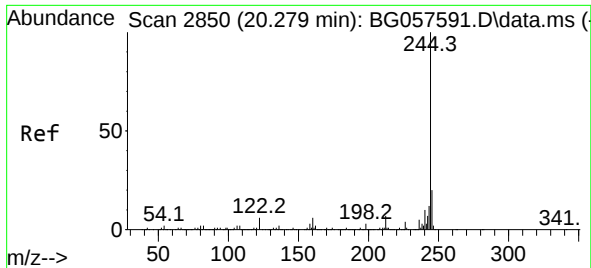
Ion Ratio Lower Upper

202 100

200 21.4 16.8 25.2

203 18.9 14.5 21.7





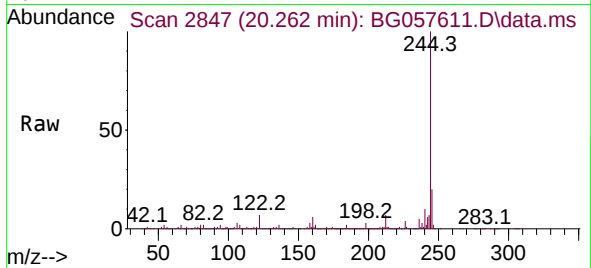
#79
 Terphenyl-d14
 Concen: 55.053 ng
 RT: 20.262 min Scan# 21
 Delta R.T. -0.007 min
 Lab File: BG057611.D
 Acq: 30 May 2023 18:10

Instrument :

BNA_G

ClientSampleId :

WC26

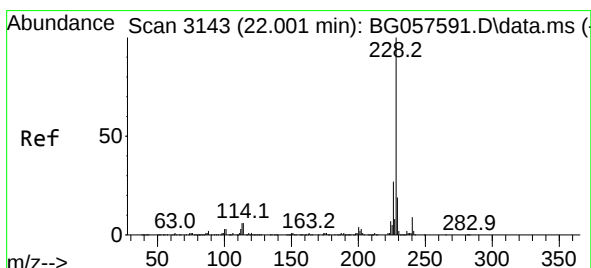
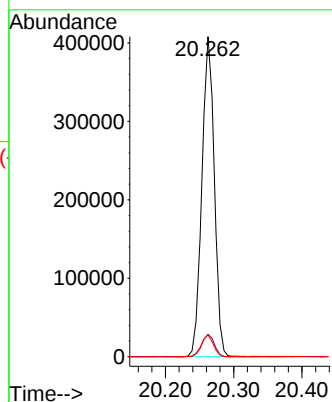
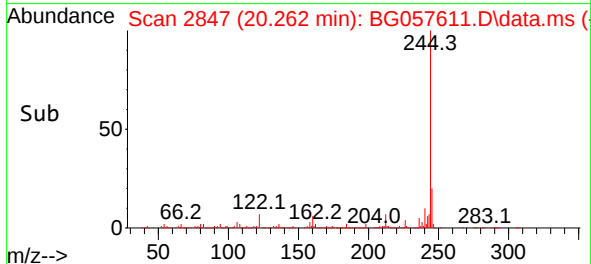


Tgt Ion:244 Resp: 516484
 Ion Ratio Lower Upper
 244 100
 212 7.0 5.6 8.4
 122 6.7 4.8 7.2

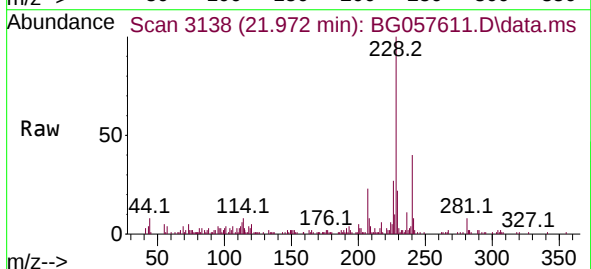
Manual Integrations

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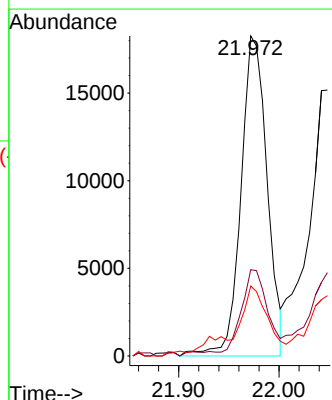
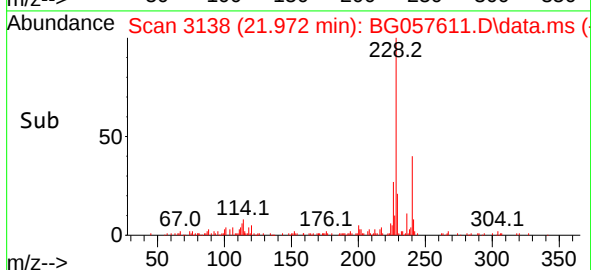
Reviewed By :Christian Giraldo 05/31/2023
 Supervised By :Yogesh Patel 06/01/2023

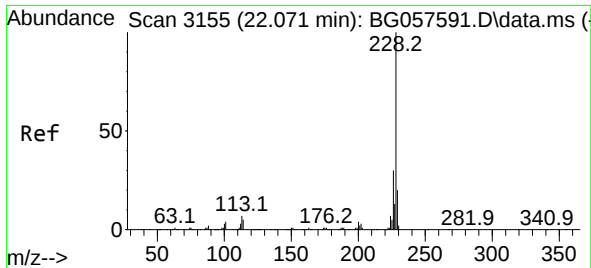


#81
 Benzo(a)anthracene
 Concen: 2.943 ng
 RT: 21.972 min Scan# 3138
 Delta R.T. -0.007 min
 Lab File: BG057611.D
 Acq: 30 May 2023 18:10



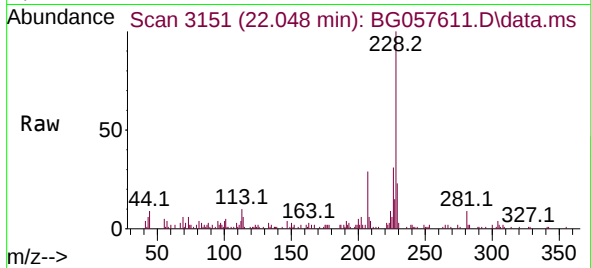
Tgt Ion:228 Resp: 33186
 Ion Ratio Lower Upper
 228 100
 226 27.0 21.4 32.0
 229 21.9 15.4 23.2





#83
Chrysene
Concen: 2.997 ng m
RT: 22.048 min Scan# 3155
Delta R.T. -0.007 min
Lab File: BG057611.D
Acq: 30 May 2023 18:10

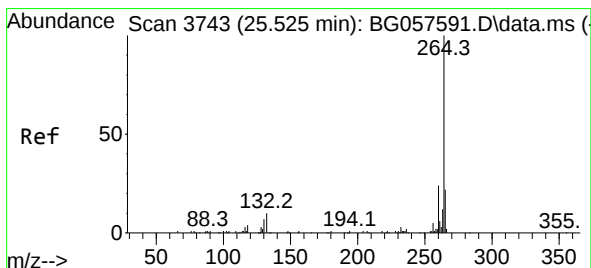
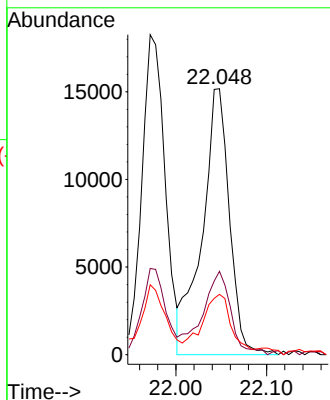
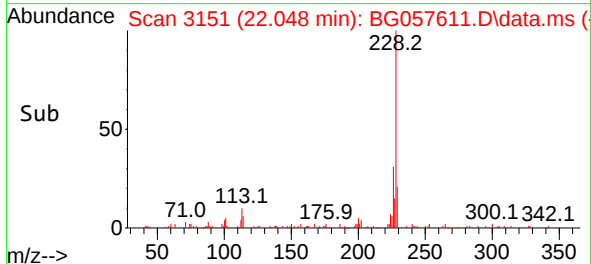
Instrument :
BNA_G
ClientSampleId :
WC26



Tgt Ion:228 Resp: 31930
Ion Ratio Lower Upper
228 100
226 31.4 24.3 36.5
229 22.7 16.0 24.0

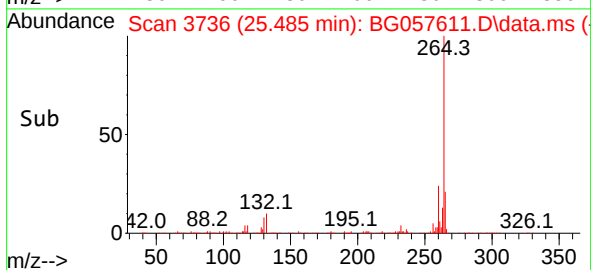
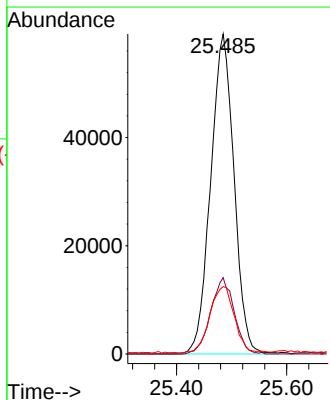
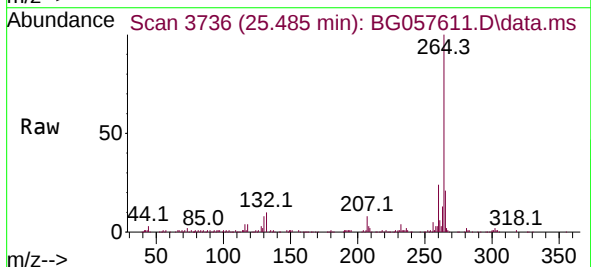
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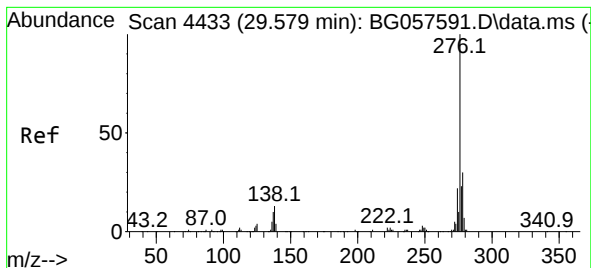
Reviewed By :Christian Giraldo 05/31/2023
Supervised By :Yogesh Patel 06/01/2023



#86
Perylene-d12
Concen: 20.000 ng
RT: 25.485 min Scan# 3736
Delta R.T. -0.007 min
Lab File: BG057611.D
Acq: 30 May 2023 18:10

Tgt Ion:264 Resp: 174135
Ion Ratio Lower Upper
264 100
260 23.9 19.1 28.7
265 21.0 17.7 26.5





#87

Indeno(1,2,3-cd)pyrene

Concen: 2.412 ng

RT: 29.491 min Scan# 4433

Delta R.T. -0.030 min

Lab File: BG057611.D

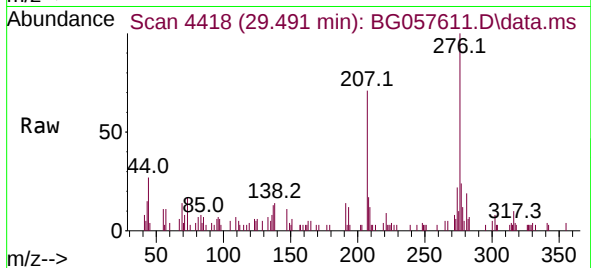
Acq: 30 May 2023 18:10

Instrument :

BNA_G

ClientSampleId :

WC26



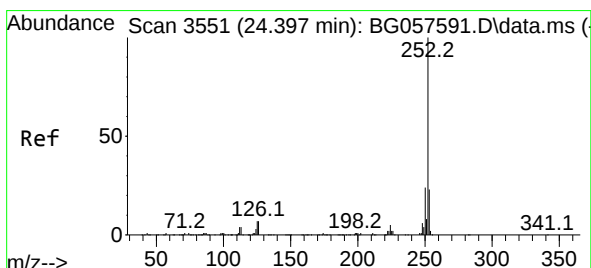
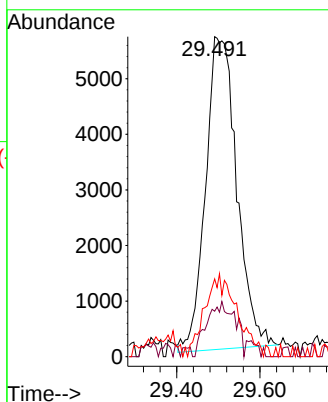
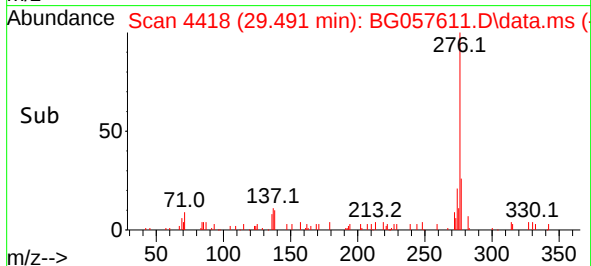
Tgt Ion:	276	Resp:	2928
Ion Ratio	Lower	Upper	
276	100		
138	15.7	12.3	18.5
277	11.3	20.5	30.7

Manual Integrations

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Reviewed By :Christian Giraldo 05/31/2023

Supervised By :Yogesh Patel 06/01/2023



#88

Benzo(b)fluoranthene

Concen: 4.872 ng

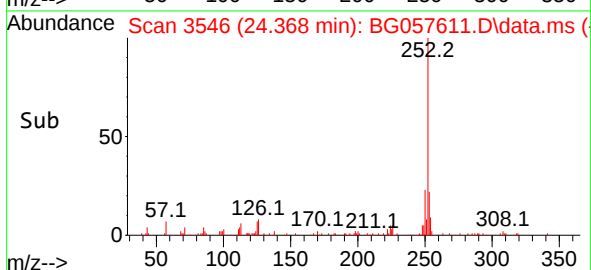
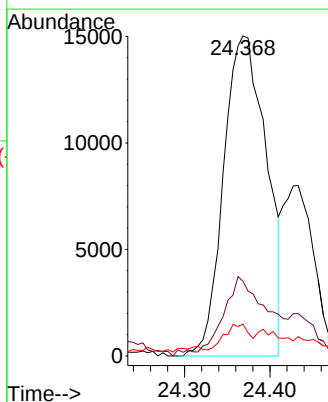
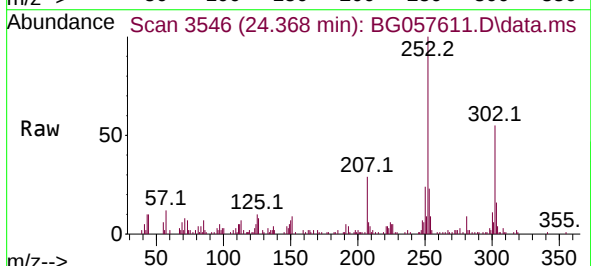
RT: 24.368 min Scan# 3546

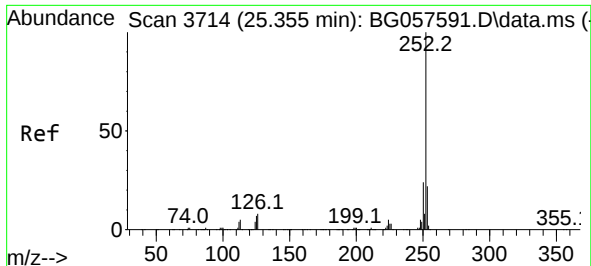
Delta R.T. -0.007 min

Lab File: BG057611.D

Acq: 30 May 2023 18:10

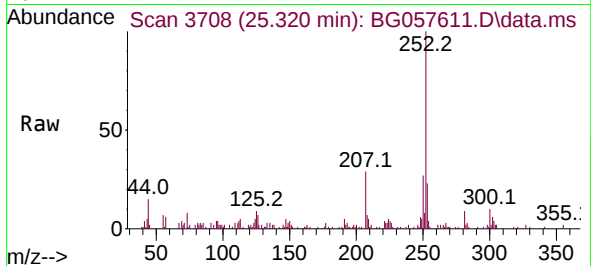
Tgt Ion:	252	Resp:	52218
Ion Ratio	Lower	Upper	
252	100		
253	23.4	18.4	27.6
125	10.0	5.2	7.8





#90
Benzo(a)pyrene
Concen: 3.977 ng
RT: 25.320 min Scan# 31
Delta R.T. -0.007 min
Lab File: BG057611.D
Acq: 30 May 2023 18:10

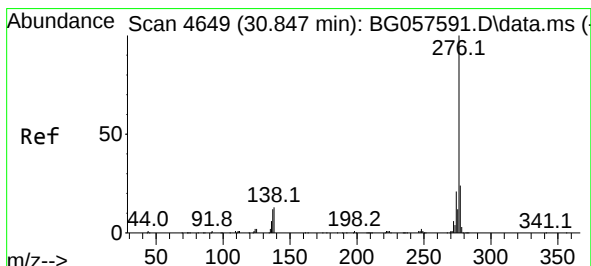
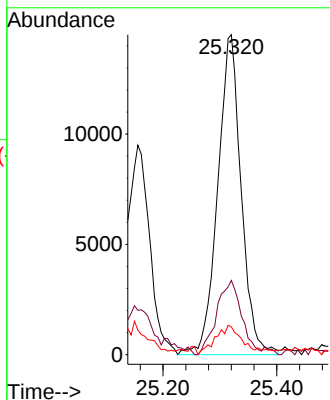
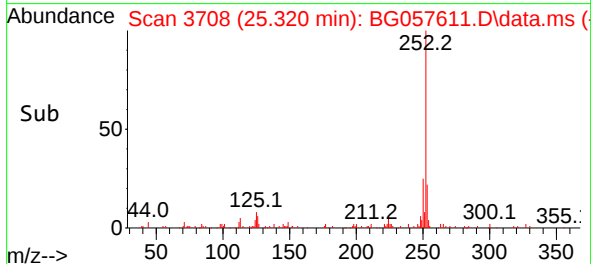
Instrument :
BNA_G
ClientSampleId :
WC26



Tgt Ion: 252 Resp: 41570
Ion Ratio Lower Upper
252 100
253 23.2 17.7 26.5
125 8.7 5.3 7.9

Manual Integrations
APPROVED

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



#92
Benzo(g,h,i)perylene
Concen: 2.989 ng m
RT: 30.777 min Scan# 4637
Delta R.T. -0.024 min
Lab File: BG057611.D
Acq: 30 May 2023 18:10

Tgt Ion: 276 Resp: 29451
Ion Ratio Lower Upper
276 100
277 23.5 18.9 28.3
138 13.6 10.2 15.4

