

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG012423\
 Data File : BG056408.D
 Acq On : 24 Jan 2023 18:29
 Operator : CG/JU
 Sample : 01260-01
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 TP-21

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 01/25/2023
 Supervised By : Jagrut Upadhyay 01/25/2023

Quant Time: Jan 25 05:33:46 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG122722.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jan 25 04:54:56 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.294	152	35471	20.000	ng	0.00
21) Naphthalene-d8	11.126	136	134596	20.000	ng	0.00
39) Acenaphthene-d10	14.910	164	105864	20.000	ng	0.00
64) Phenanthrene-d10	17.648	188	262686	20.000	ng	0.00
76) Chrysene-d12	21.931	240	272560	20.000	ng	#-0.01
86) Perylene-d12	25.357	264	299095	20.000	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.815	112	195335	98.325	ng	0.00
7) Phenol-d6	7.437	99	278735	91.362	ng	0.00
23) Nitrobenzene-d5	9.469	82	150908	57.351	ng	0.00
42) 2,4,6-Tribromophenol	16.391	330	140120	104.509	ng	0.00
45) 2-Fluorobiphenyl	13.535	172	477554	62.293	ng	0.00
79) Terphenyl-d14	20.222	244	933437	61.338	ng	0.00
Target Compounds						Qvalue
37) 2-Methylnaphthalene	12.760	142	24272	4.058	ng	97
38) 1-Methylnaphthalene	12.977	142	27260	4.908	ng	94
52) Acenaphthene	14.975	154	16015	2.529	ng	# 83
58) Fluorene	15.950	166	24947	2.959	ng	# 92
71) Phenanthrene	17.689	178	188717	13.863	ng	99
72) Anthracene	17.777	178	36401m	2.592	ng	
75) Fluoranthene	19.681	202	171475	9.657	ng	100
78) Pyrene	20.039	202	165803	8.631	ng	97
81) Benzo(a)anthracene	21.908	228	74333	3.883	ng	96
83) Chrysene	21.978	228	65201	3.636	ng	97
88) Benzo(b)fluoranthene	24.264	252	80391	4.230	ng	# 97
90) Benzo(a)pyrene	25.186	252	63413	3.421	ng	# 97
92) Benzo(g,h,i)perylene	30.521	276	42209	2.387	ng	# 93

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

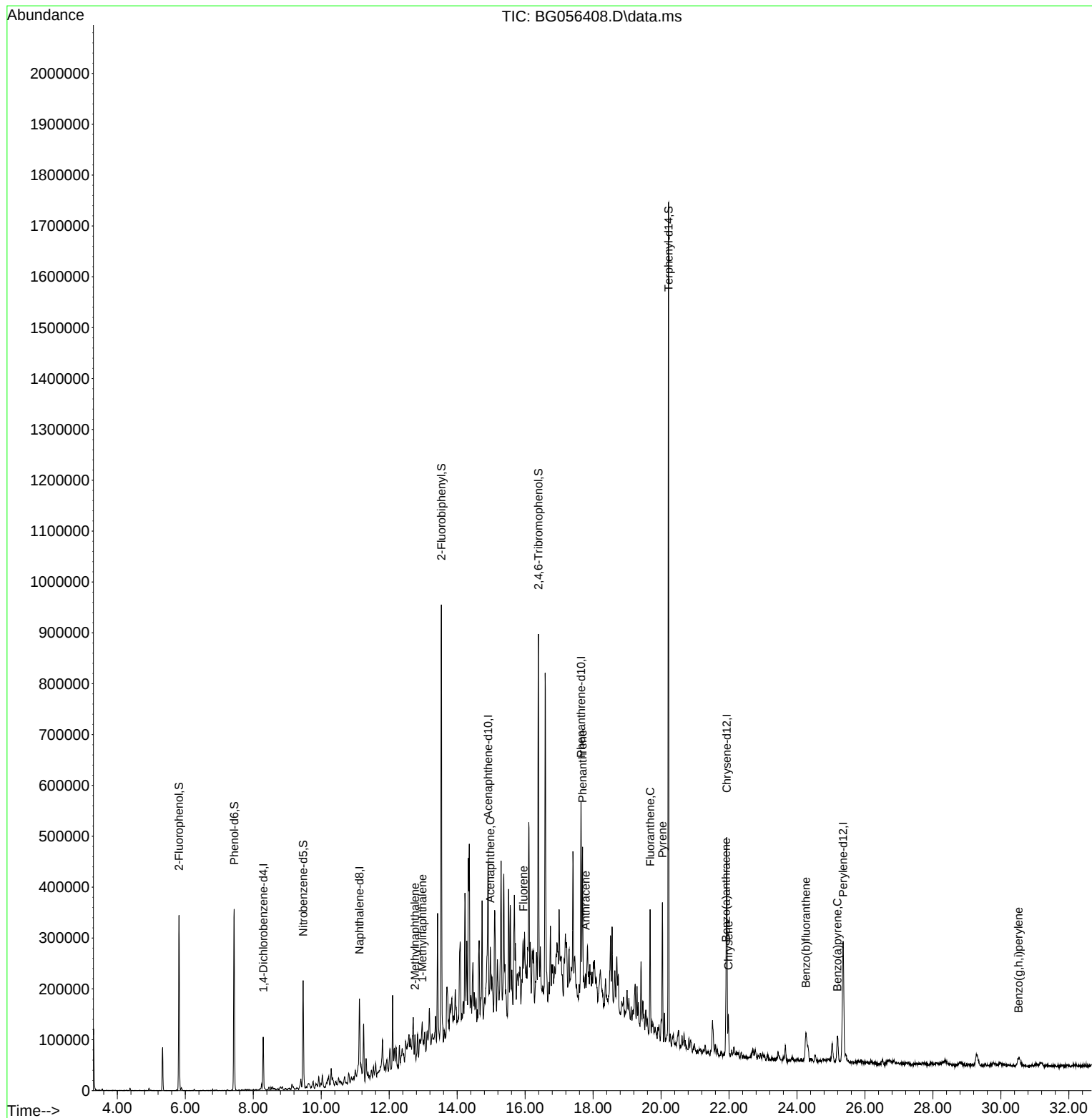
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG012423\
Data File : BG056408.D
Acq On : 24 Jan 2023 18:29
Operator : CG/JU
Sample : 01260-01
Misc :
ALS Vial : 7 Sample Multiplier: 1

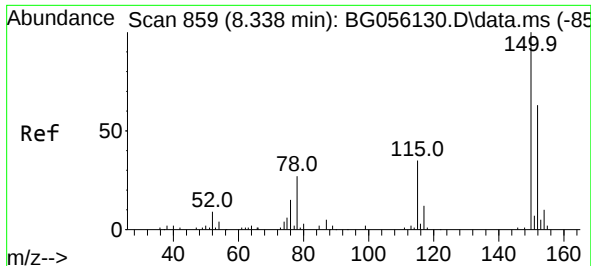
Instrument :
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Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG122722.M
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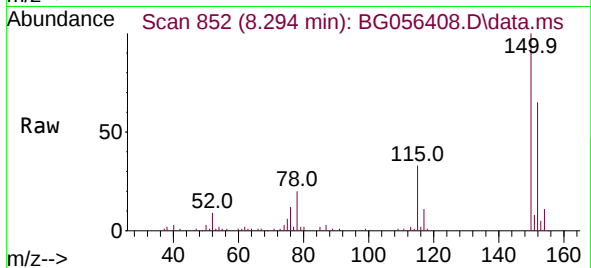
Reviewed By : Christian Giraldo 01/25/2023
Supervised By : Jagrut Upadhyay 01/25/2023





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.294 min Scan# 81
Delta R.T. 0.001 min
Lab File: BG056408.D
Acq: 24 Jan 2023 18:29

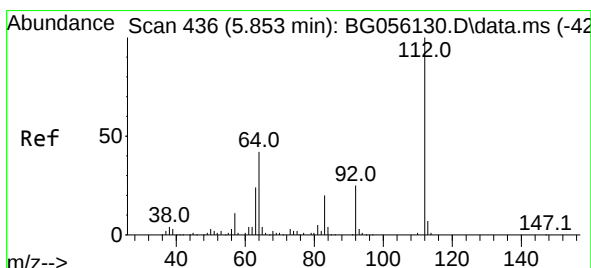
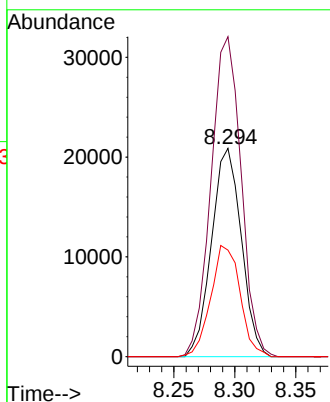
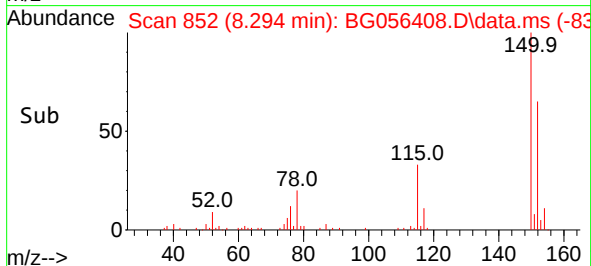
Instrument :
BNA_G
ClientSampleId :
TP-21



Tgt Ion:152 Resp: 3547
Ion Ratio Lower Upper
152 100
150 153.7 127.9 191.9
115 51.1 44.2 66.2

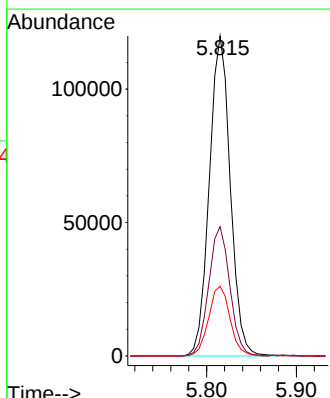
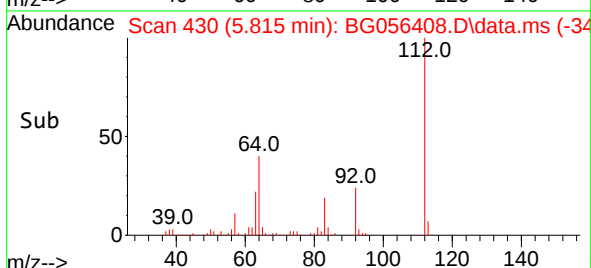
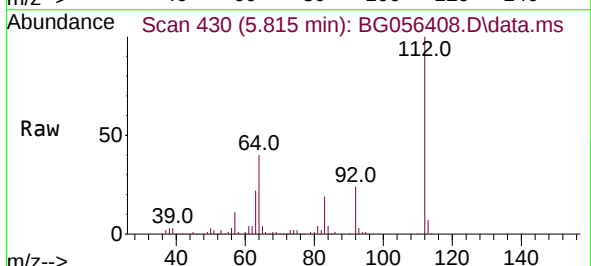
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#5
2-Fluorophenol
Concen: 98.325 ng
RT: 5.815 min Scan# 430
Delta R.T. 0.001 min
Lab File: BG056408.D
Acq: 24 Jan 2023 18:29

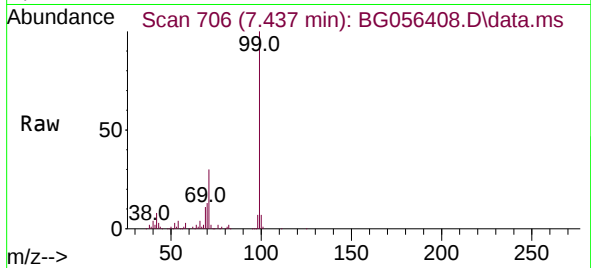
Tgt Ion:112 Resp: 195335
Ion Ratio Lower Upper
112 100
64 40.4 33.3 49.9
63 21.7 19.0 28.4





#7
Phenol-d6
Concen: 91.362 ng
RT: 7.437 min Scan# 70
Delta R.T. 0.001 min
Lab File: BG056408.D
Acq: 24 Jan 2023 18:29

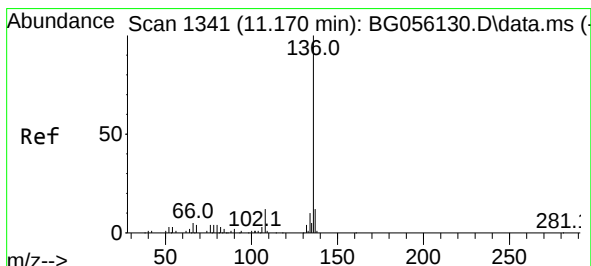
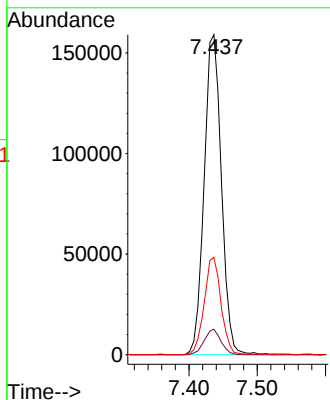
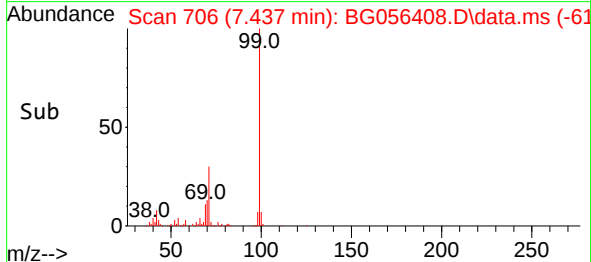
Instrument :
BNA_G
ClientSampleId :
TP-21



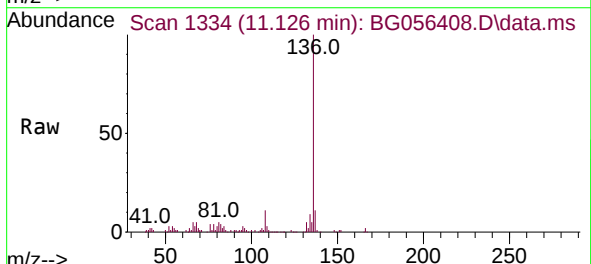
Tgt Ion: 99 Resp: 278735
Ion Ratio Lower Upper
99 100
42 7.9 5.9 8.9
71 30.3 25.4 38.2

Manual Integrations
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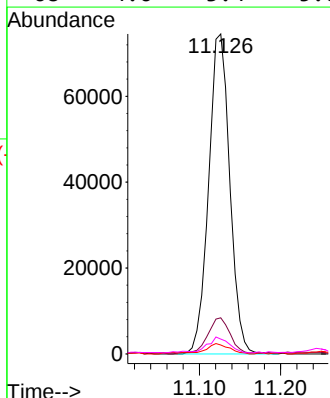
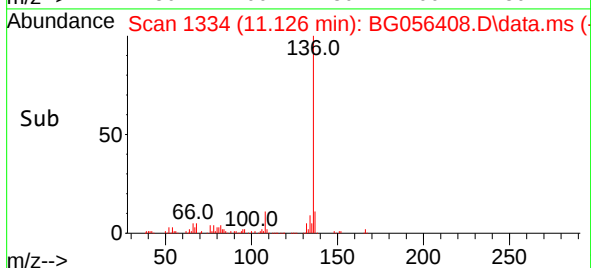
Reviewed By :Christian Giraldo 01/25/2023
Supervised By :Jagrut Upadhyay 01/25/2023



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.126 min Scan# 1334
Delta R.T. -0.005 min
Lab File: BG056408.D
Acq: 24 Jan 2023 18:29



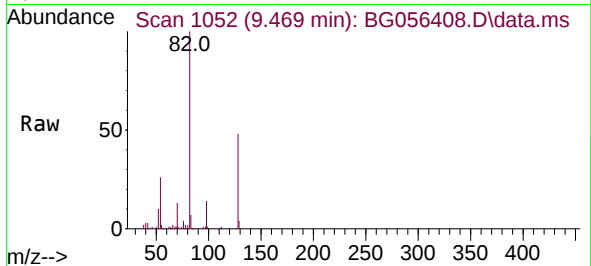
Tgt Ion:136 Resp: 134596
Ion Ratio Lower Upper
136 100
137 11.3 9.4 14.0
54 2.8 2.2 3.2
68 4.6 3.4 5.0





#23
Nitrobenzene-d5
Concen: 57.351 ng
RT: 9.469 min Scan# 1052
Delta R.T. -0.005 min
Lab File: BG056408.D
Acq: 24 Jan 2023 18:29

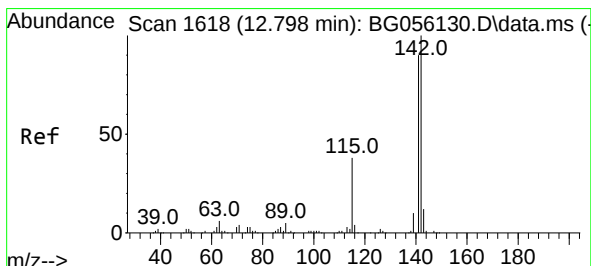
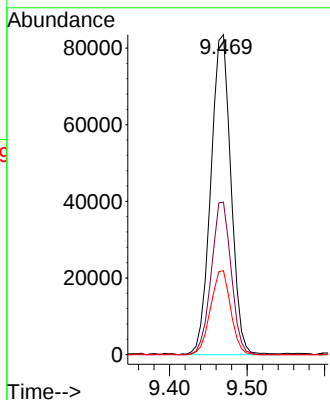
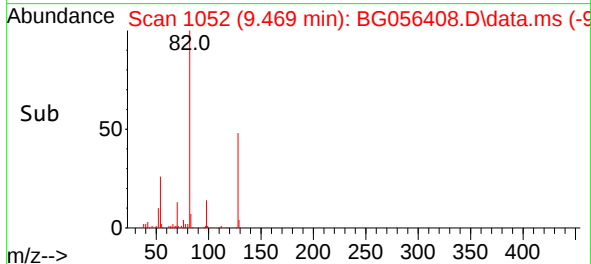
Instrument :
BNA_G
ClientSampleId :
TP-21



Tgt Ion: 82 Resp: 150908
Ion Ratio Lower Upper
82 100
128 47.6 33.4 50.2
54 26.2 20.3 30.5

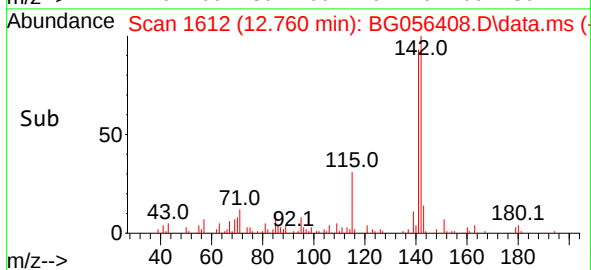
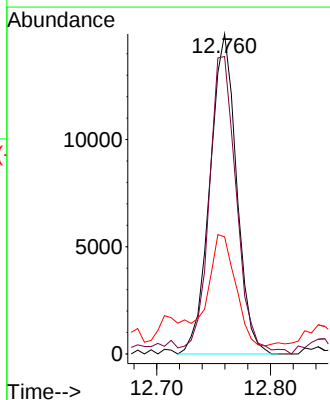
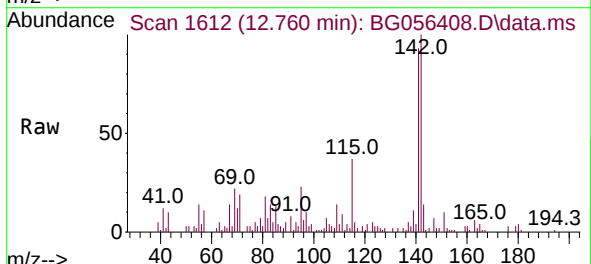
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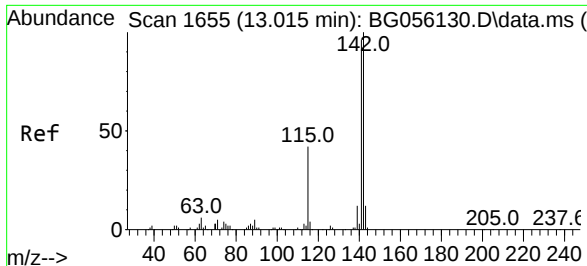
Reviewed By :Christian Giraldo 01/25/2023
Supervised By :Jagrut Upadhyay 01/25/2023



#37
2-Methylnaphthalene
Concen: 4.058 ng
RT: 12.760 min Scan# 1612
Delta R.T. -0.005 min
Lab File: BG056408.D
Acq: 24 Jan 2023 18:29

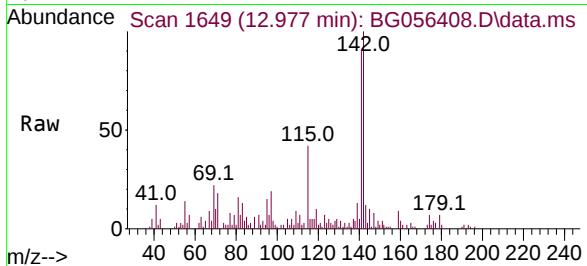
Tgt Ion:142 Resp: 24272
Ion Ratio Lower Upper
142 100
141 92.9 72.2 108.4
115 36.6 30.7 46.1





#38
1-Methylnaphthalene
Concen: 4.908 ng
RT: 12.977 min Scan# 1649
Delta R.T. -0.005 min
Lab File: BG056408.D
Acq: 24 Jan 2023 18:29

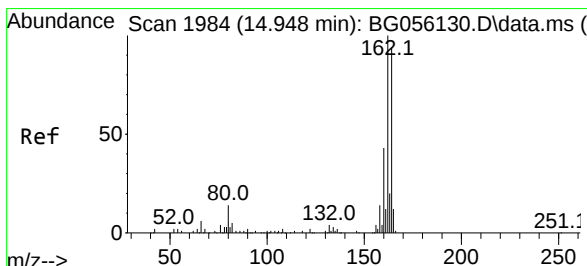
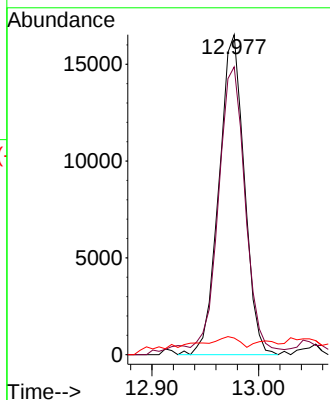
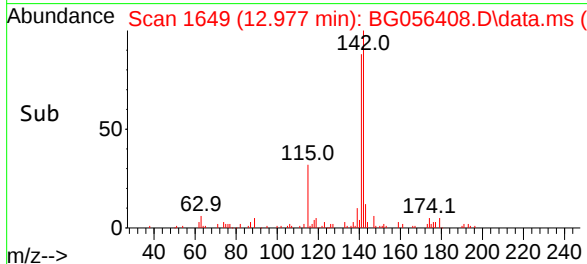
Instrument :
BNA_G
ClientSampleId :
TP-21



Tgt Ion:142 Resp: 27260
Ion Ratio Lower Upper
142 100
141 89.9 77.0 115.6
116 5.2 3.6 5.4

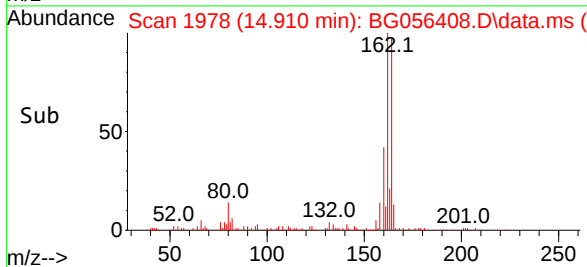
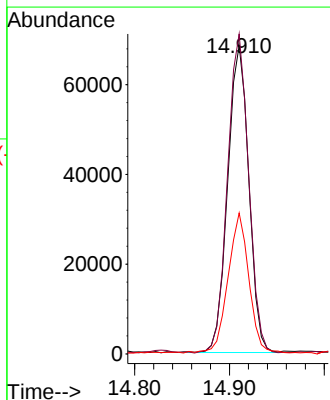
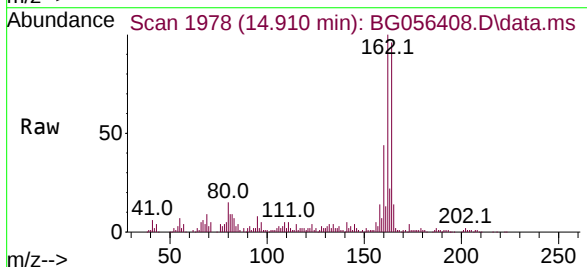
Manual Integrations
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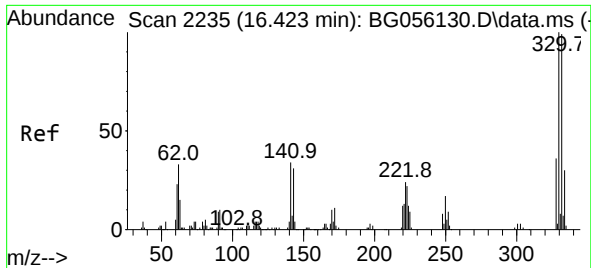
Reviewed By :Christian Giraldo 01/25/2023
Supervised By :Jagrut Upadhyay 01/25/2023



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.910 min Scan# 1978
Delta R.T. -0.005 min
Lab File: BG056408.D
Acq: 24 Jan 2023 18:29

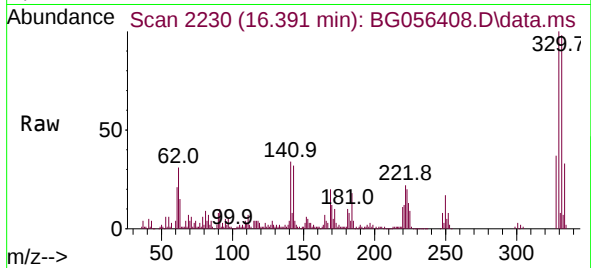
Tgt Ion:164 Resp: 105864
Ion Ratio Lower Upper
164 100
162 103.8 84.7 127.1
160 45.7 36.3 54.5





#42
2,4,6-Tribromophenol
Concen: 104.509 ng
RT: 16.391 min Scan# 21
Delta R.T. -0.005 min
Lab File: BG056408.D
Acq: 24 Jan 2023 18:29

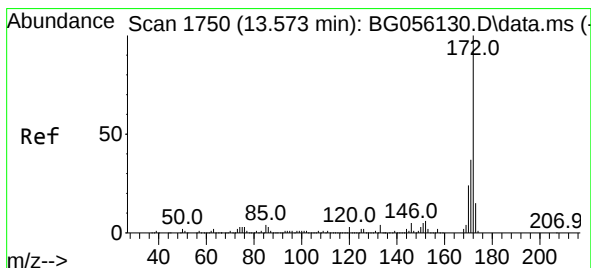
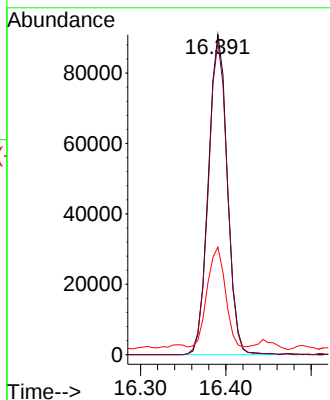
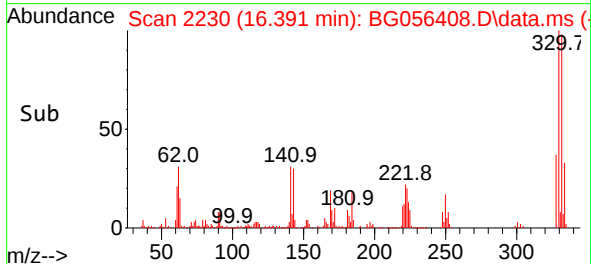
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BNA_G
ClientSampleId :
TP-21



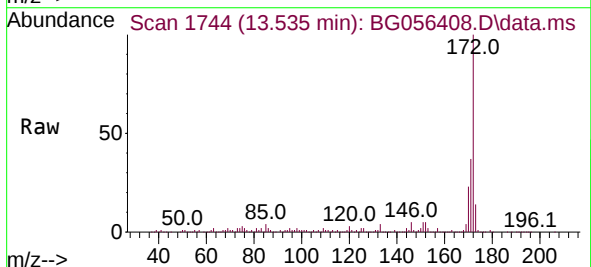
Tgt Ion:330 Resp: 140120
Ion Ratio Lower Upper
330 100
332 98.1 77.3 115.9
141 31.2 27.9 41.9

Manual Integrations
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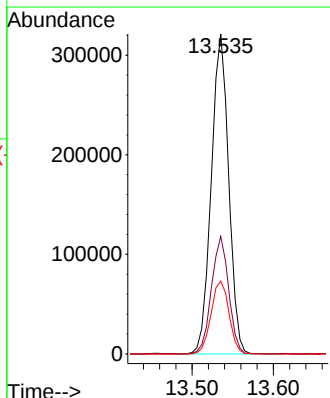
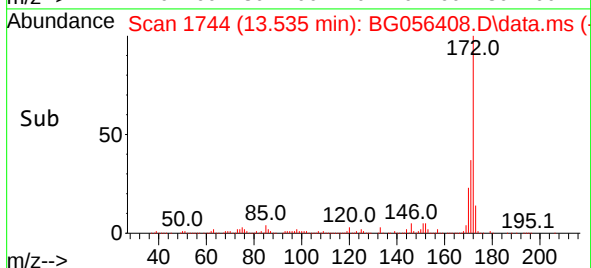
Reviewed By :Christian Giraldo 01/25/2023
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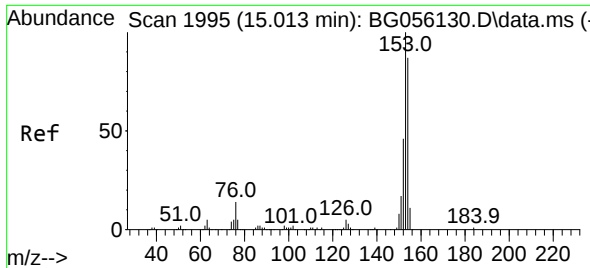


#45
2-Fluorobiphenyl
Concen: 62.293 ng
RT: 13.535 min Scan# 1744
Delta R.T. -0.005 min
Lab File: BG056408.D
Acq: 24 Jan 2023 18:29



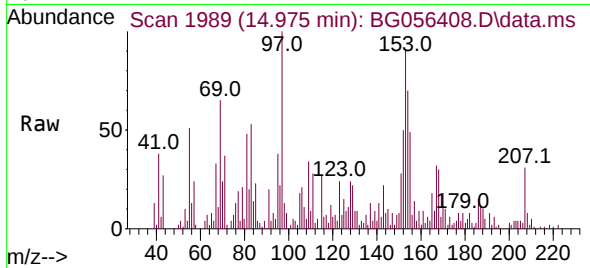
Tgt Ion:172 Resp: 477554
Ion Ratio Lower Upper
172 100
171 36.7 29.6 44.4
170 22.7 19.4 29.2





#52
Acenaphthene
Concen: 2.529 ng
RT: 14.975 min Scan# 1995
Delta R.T. -0.005 min
Lab File: BG056408.D
Acq: 24 Jan 2023 18:29

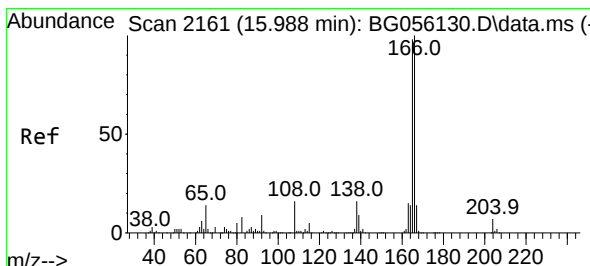
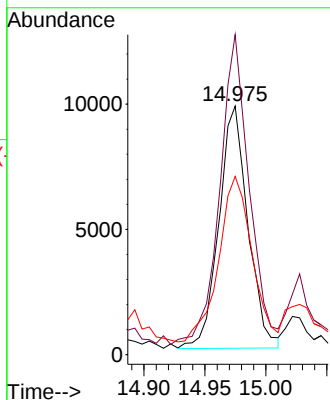
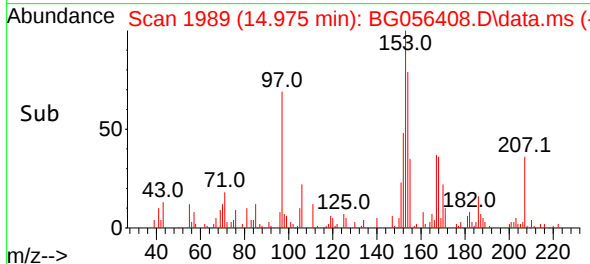
Instrument :
BNA_G
ClientSampleId :
TP-21



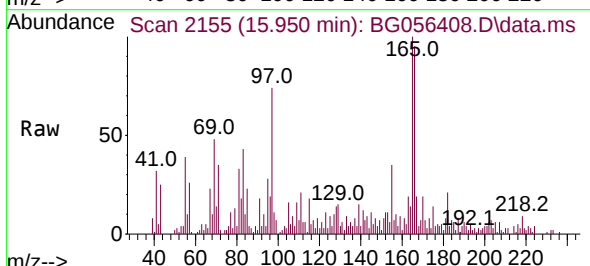
Tgt Ion:154 Resp: 16015
Ion Ratio Lower Upper
154 100
153 128.8 92.0 138.0
152 71.7 42.5 63.7

Manual Integrations
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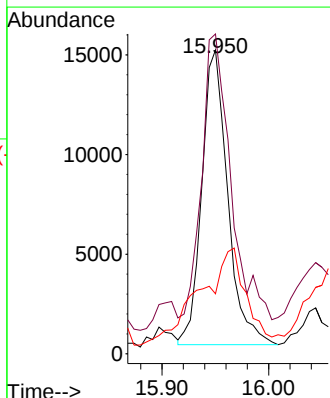
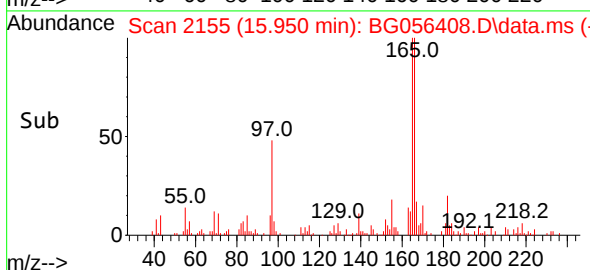
Reviewed By :Christian Giraldo 01/25/2023
Supervised By :Jagrut Upadhyay 01/25/2023

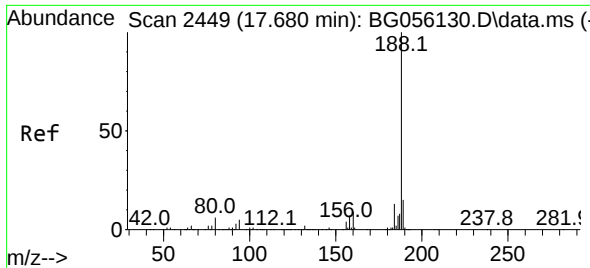


#58
Fluorene
Concen: 2.959 ng
RT: 15.950 min Scan# 2155
Delta R.T. -0.005 min
Lab File: BG056408.D
Acq: 24 Jan 2023 18:29



Tgt Ion:166 Resp: 24947
Ion Ratio Lower Upper
166 100
165 105.3 78.6 118.0
167 19.8 11.1 16.7





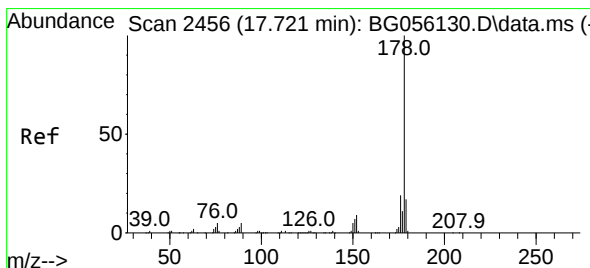
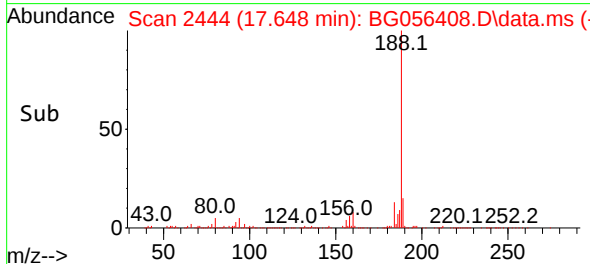
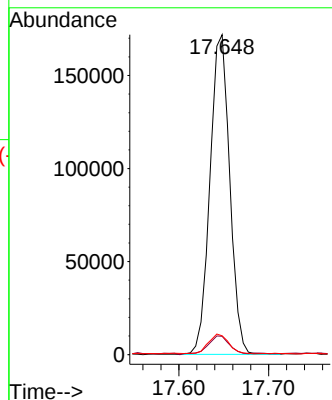
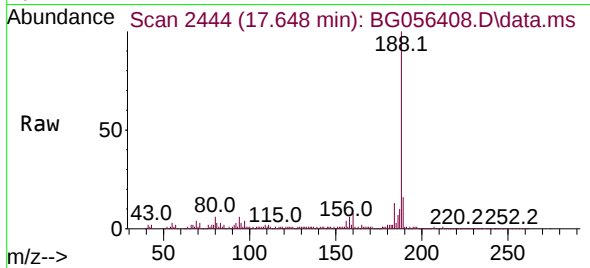
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.648 min Scan# 2449
Delta R.T. -0.005 min
Lab File: BG056408.D
Acq: 24 Jan 2023 18:29

Instrument :
BNA_G
ClientSampleId :
TP-21

Tgt Ion:188 Resp: 262686
Ion Ratio Lower Upper
188 100
94 5.8 4.2 6.2
80 5.9 5.0 7.4

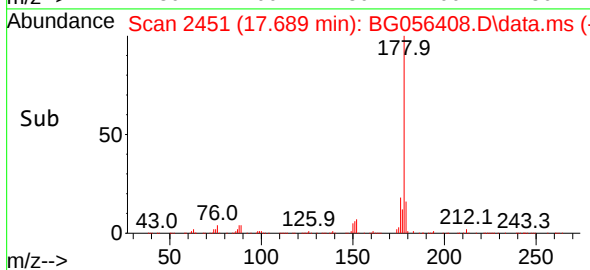
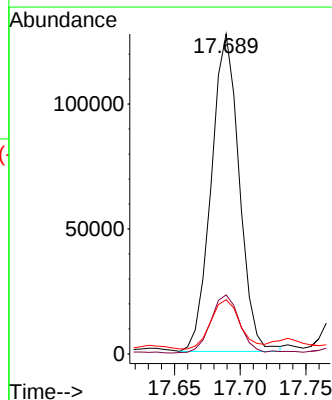
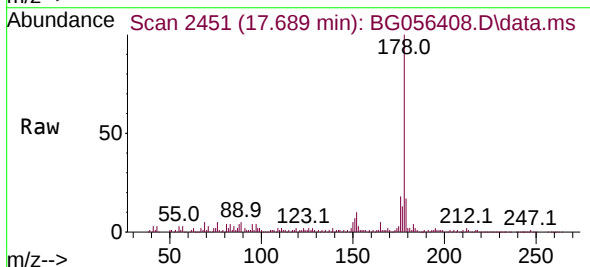
Manual Integrations
APPROVED

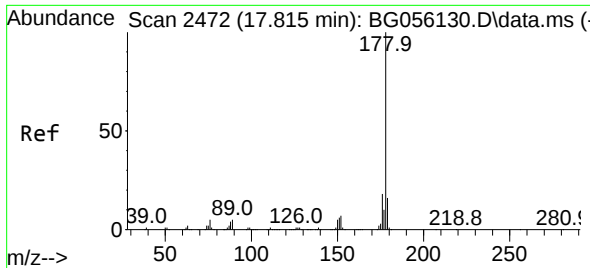
Reviewed By :Christian Giraldo 01/25/2023
Supervised By :Jagrut Upadhyay 01/25/2023



#71
Phenanthrene
Concen: 13.863 ng
RT: 17.689 min Scan# 2451
Delta R.T. -0.005 min
Lab File: BG056408.D
Acq: 24 Jan 2023 18:29

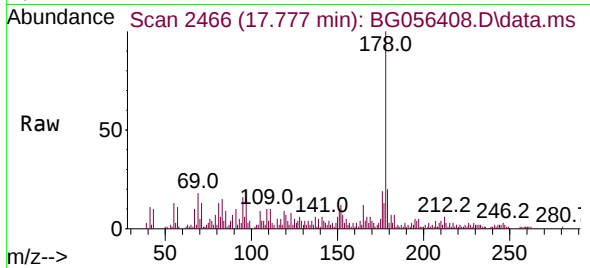
Tgt Ion:178 Resp: 188717
Ion Ratio Lower Upper
178 100
176 18.4 15.4 23.0
179 16.9 13.6 20.4





#72
 Anthracene
 Concen: 2.592 ng m
 RT: 17.777 min Scan# 2472
 Delta R.T. -0.011 min
 Lab File: BG056408.D
 Acq: 24 Jan 2023 18:29

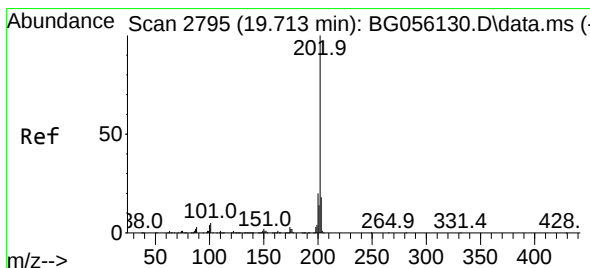
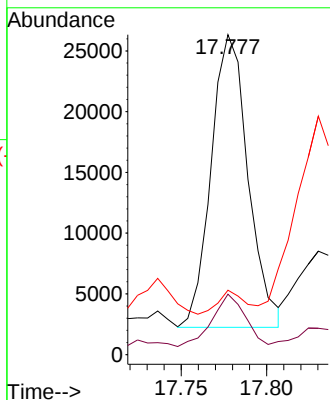
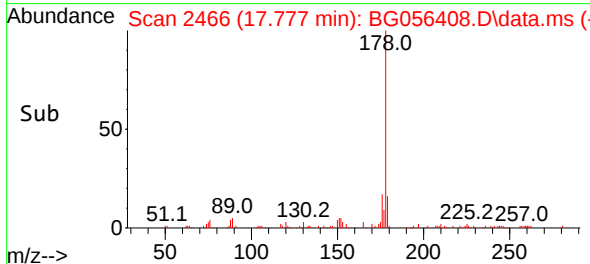
Instrument :
 BNA_G
 ClientSampleId :
 TP-21



Tgt Ion:178 Resp: 36401
 Ion Ratio Lower Upper
 178 100
 176 18.9 14.6 22.0
 179 20.1 12.7 19.1

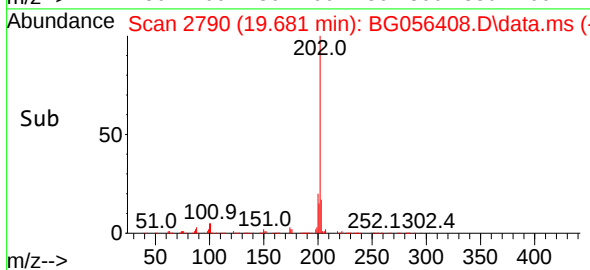
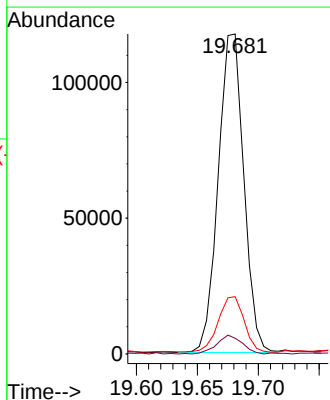
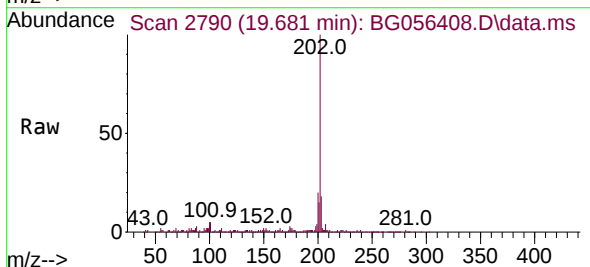
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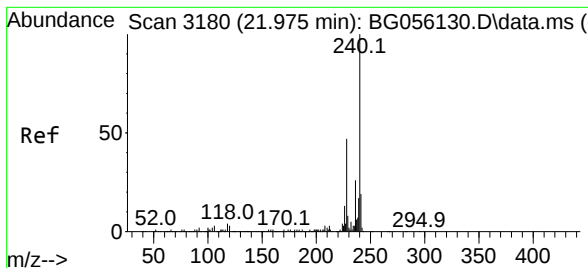
Reviewed By :Christian Giraldo 01/25/2023
 Supervised By :Jagrut Upadhyay 01/25/2023



#75
 Fluoranthene
 Concen: 9.657 ng
 RT: 19.681 min Scan# 2790
 Delta R.T. -0.005 min
 Lab File: BG056408.D
 Acq: 24 Jan 2023 18:29

Tgt Ion:202 Resp: 171475
 Ion Ratio Lower Upper
 202 100
 101 4.9 0.0 25.0
 203 17.9 0.0 38.0





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.931 min Scan# 3180

Delta R.T. -0.011 min

Lab File: BG056408.D

Acq: 24 Jan 2023 18:29

Instrument :

BNA_G

ClientSampleId :

TP-21

Tgt Ion:240 Resp: 272560

Ion Ratio Lower Upper

240 100

120 4.3 2.6 4.0

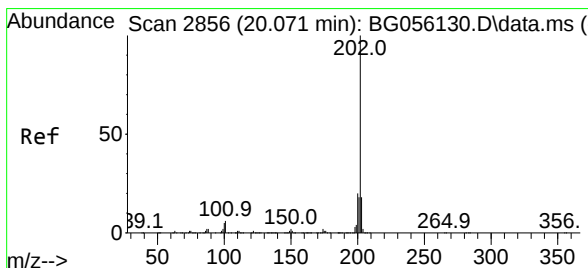
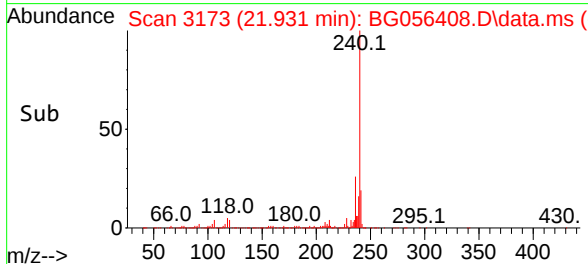
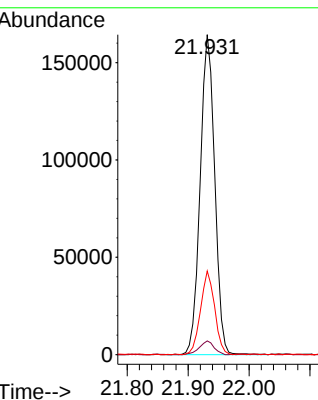
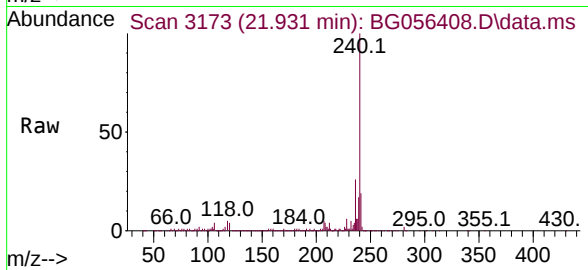
236 26.1 20.8 31.2

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Reviewed By :Christian Giraldo 01/25/2023

Supervised By :Jagrut Upadhyay 01/25/2023



#78

Pyrene

Concen: 8.631 ng

RT: 20.039 min Scan# 2851

Delta R.T. -0.005 min

Lab File: BG056408.D

Acq: 24 Jan 2023 18:29

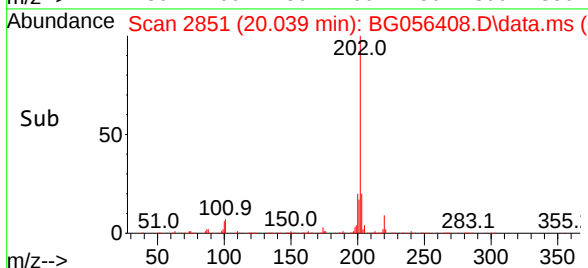
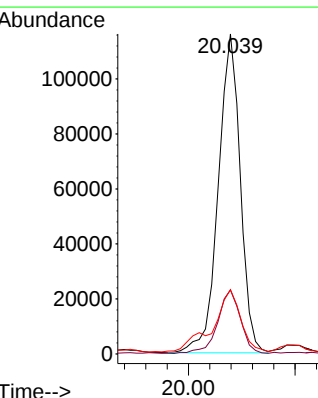
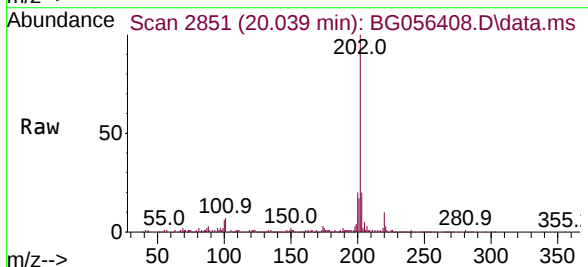
Tgt Ion:202 Resp: 165803

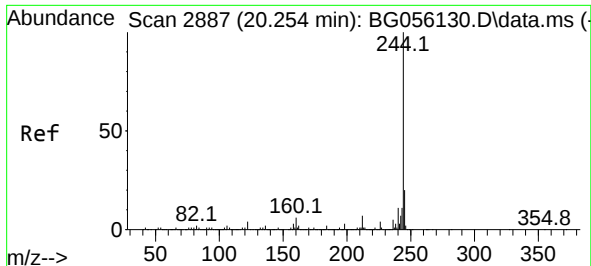
Ion Ratio Lower Upper

202 100

200 20.0 16.4 24.6

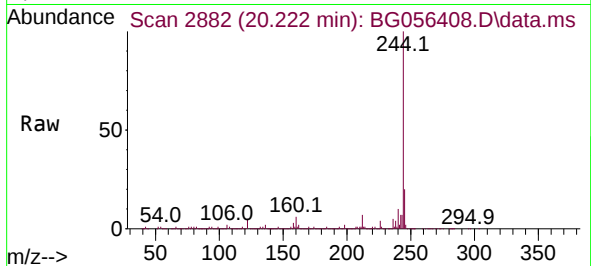
203 20.1 14.3 21.5





#79
 Terphenyl-d14
 Concen: 61.338 ng
 RT: 20.222 min Scan# 2887
 Delta R.T. -0.005 min
 Lab File: BG056408.D
 Acq: 24 Jan 2023 18:29

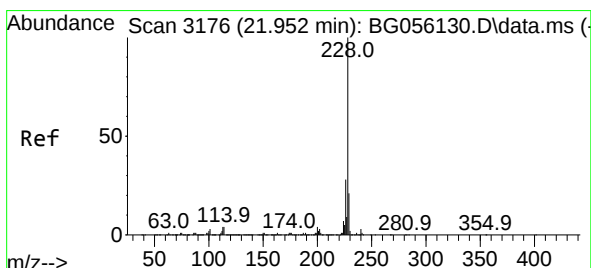
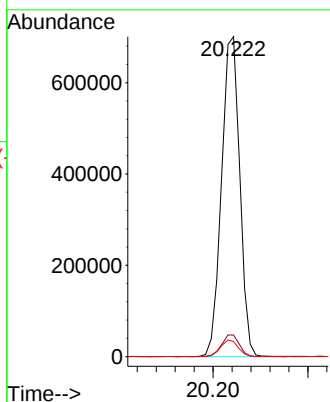
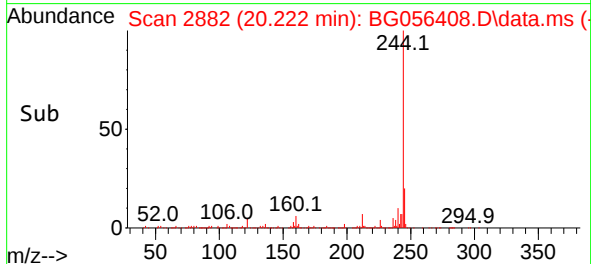
Instrument :
 BNA_G
 ClientSampleId :
 TP-21



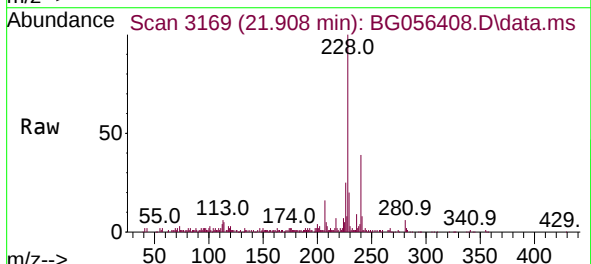
Tgt Ion:244 Resp: 93343
 Ion Ratio Lower Upper
 244 100
 212 6.7 5.7 8.5
 122 4.7 3.5 5.3

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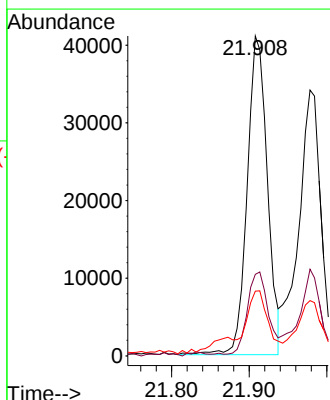
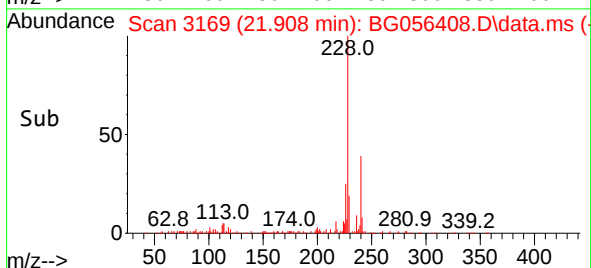
Reviewed By :Christian Giraldo 01/25/2023
 Supervised By :Jagrut Upadhyay 01/25/2023

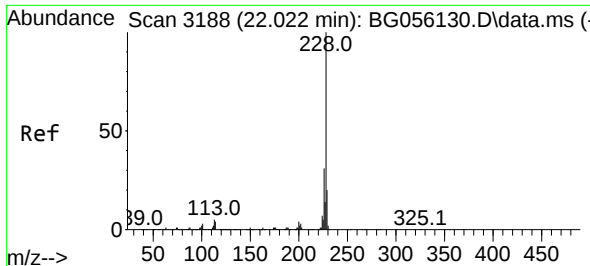


#81
 Benzo(a)anthracene
 Concen: 3.883 ng
 RT: 21.908 min Scan# 3169
 Delta R.T. -0.016 min
 Lab File: BG056408.D
 Acq: 24 Jan 2023 18:29



Tgt Ion:228 Resp: 74333
 Ion Ratio Lower Upper
 228 100
 226 25.5 22.6 34.0
 229 20.2 16.9 25.3





#83

Chrysene

Concen: 3.636 ng

RT: 21.978 min Scan# 3188

Delta R.T. -0.016 min

Lab File: BG056408.D

Acq: 24 Jan 2023 18:29

Instrument :

BNA_G

ClientSampleId :

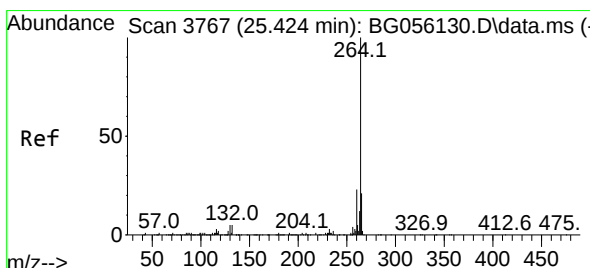
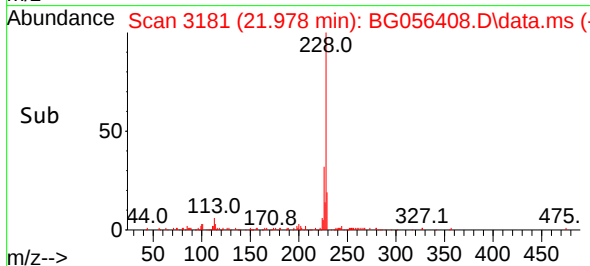
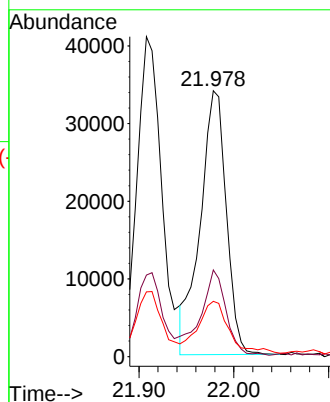
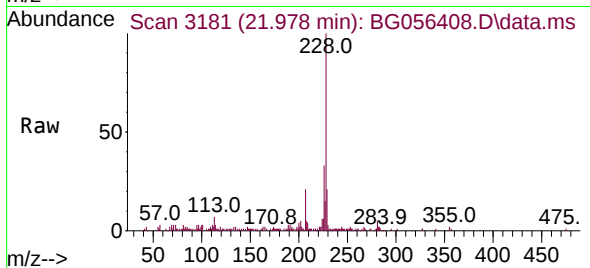
TP-21

Tgt Ion:228	Resp: 65201
Ion Ratio	Lower Upper
228 100	
226 32.6	24.6 36.8
229 20.8	15.8 23.6

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Supervised By :Jagrut Upadhyay 01/25/2023



#86

Perylene-d12

Concen: 20.000 ng

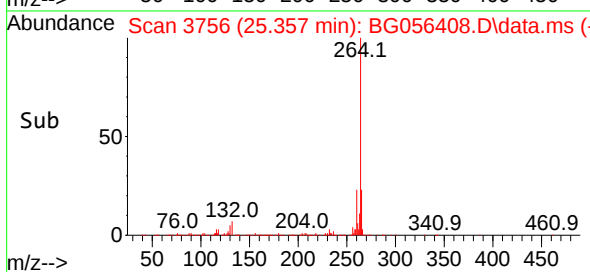
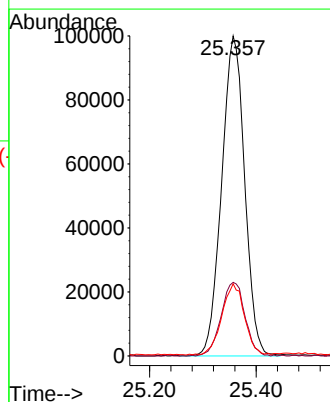
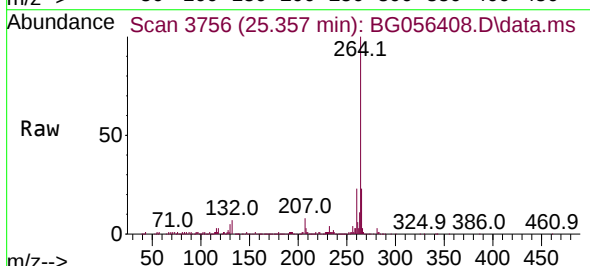
RT: 25.357 min Scan# 3756

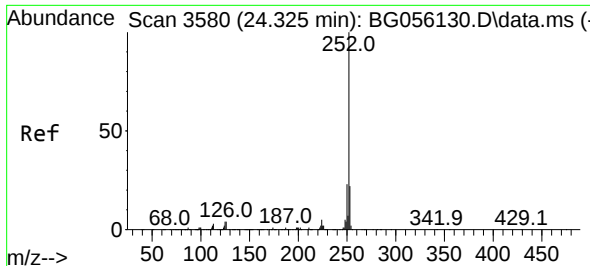
Delta R.T. -0.016 min

Lab File: BG056408.D

Acq: 24 Jan 2023 18:29

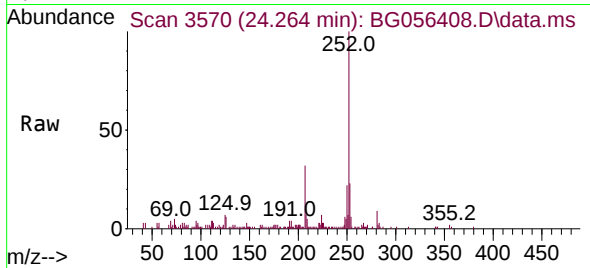
Tgt Ion:264	Resp: 299095
Ion Ratio	Lower Upper
264 100	
260 23.0	18.6 28.0
265 22.5	16.7 25.1





#88
Benzo(b)fluoranthene
Concen: 4.230 ng
RT: 24.264 min Scan# 31
Delta R.T. -0.016 min
Lab File: BG056408.D
Acq: 24 Jan 2023 18:29

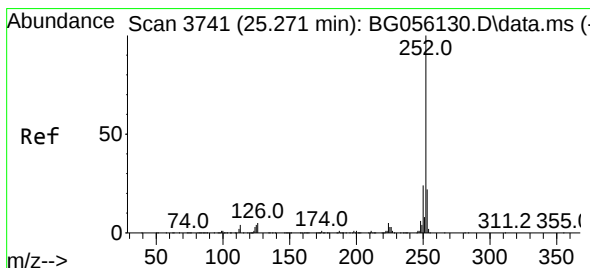
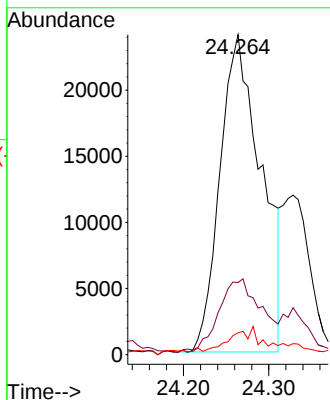
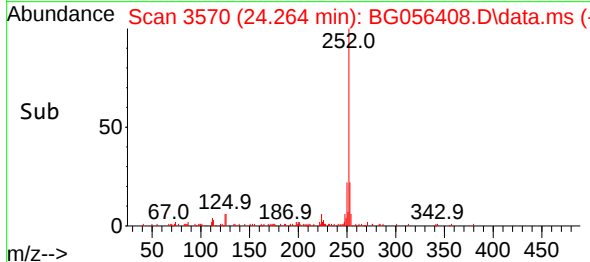
Instrument :
BNA_G
ClientSampleId :
TP-21



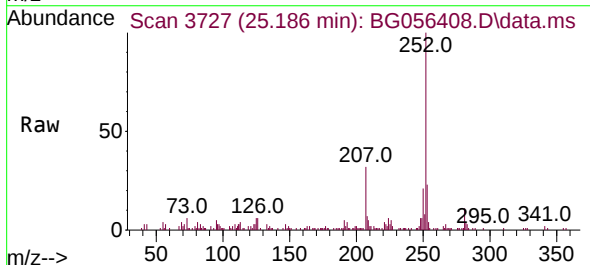
Tgt Ion:252 Resp: 80391
Ion Ratio Lower Upper
252 100
253 22.5 17.4 26.2
125 6.8 3.0 4.4

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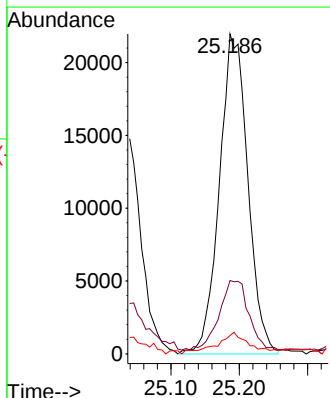
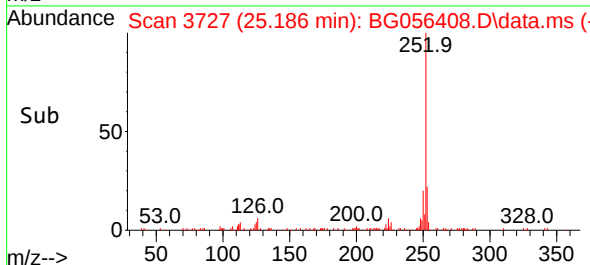
Reviewed By :Christian Giraldo 01/25/2023
Supervised By :Jagrut Upadhyay 01/25/2023

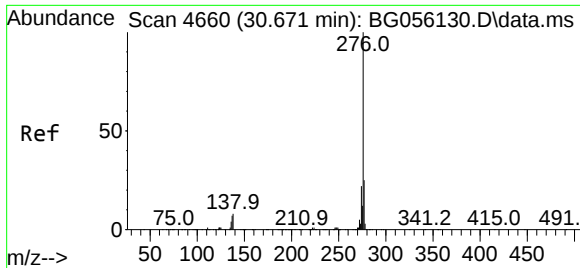


#90
Benzo(a)pyrene
Concen: 3.421 ng
RT: 25.186 min Scan# 3727
Delta R.T. -0.028 min
Lab File: BG056408.D
Acq: 24 Jan 2023 18:29



Tgt Ion:252 Resp: 63413
Ion Ratio Lower Upper
252 100
253 22.9 17.4 26.2
125 5.7 3.2 4.8





#92

Benzo(g,h,i)perylene

Concen: 2.387 ng

RT: 30.521 min Scan# 4635

Delta R.T. -0.052 min

Lab File: BG056408.D

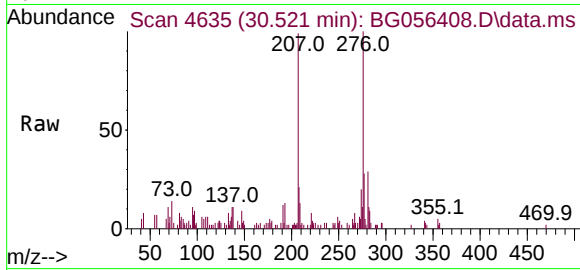
Acq: 24 Jan 2023 18:29

Instrument :

BNA_G

ClientSampleId :

TP-21



Tgt Ion:276 Resp: 42209

Ion Ratio Lower Upper

276 100

277 28.2 19.7 29.5

138 11.1 6.7 10.1

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